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ANALYTICAL REPORT

PREPARED FOR

Attn: Christopher O'Neil
Groundwater Sciences Corporation
2550 Interstate Drive
Suite 303
Harrisburg PA 17110

Generated 07/08/2025

JOB DESCRIPTION

TI Area 1 Quarterly Sampling Event

JOB NUMBER

410-229795-1

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

See page two for job notes and contact information.

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

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

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

Authorization

Generated
07/08/2025

Authorized for release by
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717 205-7820

Table of Contents

Qualifiers

GC/MS VOA

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

Glossary

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

Job Narrative
410-229795-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/26/2025 4:54 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.1°C.

Receipt Exceptions
A trip blank was received in the cooler/package, but not entered with this job. The Trip blank logged in and reported with job number 410-229793.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 410-667432 recovered outside acceptance criteria, low biased, for Carbon tetrachloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-667432 recovered above the upper control limit for Acetone. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

Detection Summary

Client: Groundwater Sciences Corporation
Job ID: 410-229795-1
Project/Site: TI Area 1 Quarterly Sampling Event

Client Sample ID: HD-MW-5-0/1-0
Lab Sample ID: 410-229795-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.5		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-6-0/1-0
Lab Sample ID: 410-229795-2

No Detections.

Client Sample ID: HD-MW-88-0/1-0
Lab Sample ID: 410-229795-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.42	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	19		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.63	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-101S-0/1-0
Lab Sample ID: 410-229795-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.6		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.31	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-101D-0/1-0
Lab Sample ID: 410-229795-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.7		1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	2.7		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	3.5		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-QC1-0/1-3
Lab Sample ID: 410-229795-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.9	J ^c cn	20	0.70	ug/L	1		8260D	Total/NA
Toluene	0.48	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-QC1-0/1-4
Lab Sample ID: 410-229795-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.8	J ^c cn	20	0.70	ug/L	1		8260D	Total/NA
Toluene	0.43	J	1.0	0.30	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HD-MW-5-0/1-0

Lab Sample ID: 410-229795-1

Date Collected: 06/24/25 12:43

Matrix: Water

Date Received: 06/26/25 16:54

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			07/07/25 18:30	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			07/07/25 18:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			07/07/25 18:30	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			07/07/25 18:30	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/07/25 18:30	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			07/07/25 18:30	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			07/07/25 18:30	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			07/07/25 18:30	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			07/07/25 18:30	1
2-Butanone (MEK)	ND		10	1.0	ug/L			07/07/25 18:30	1
2-Hexanone	ND		10	0.85	ug/L			07/07/25 18:30	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			07/07/25 18:30	1
Acetone	ND	^c cn	20	0.70	ug/L			07/07/25 18:30	1
Benzene	ND		1.0	0.30	ug/L			07/07/25 18:30	1
Bromochloromethane	ND		5.0	0.20	ug/L			07/07/25 18:30	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/07/25 18:30	1
Bromoform	ND		4.0	1.0	ug/L			07/07/25 18:30	1
Bromomethane	ND		1.0	0.30	ug/L			07/07/25 18:30	1
Carbon disulfide	ND		5.0	0.30	ug/L			07/07/25 18:30	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			07/07/25 18:30	1
Chlorobenzene	ND		1.0	0.30	ug/L			07/07/25 18:30	1
Chloroethane	ND		1.0	0.30	ug/L			07/07/25 18:30	1
Chloroform	ND		1.0	0.30	ug/L			07/07/25 18:30	1
Chloromethane	ND		2.0	0.55	ug/L			07/07/25 18:30	1
cis-1,2-Dichloroethene	**1.5**		1.0	0.30	ug/L			07/07/25 18:30	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/07/25 18:30	1
Dibromochloromethane	ND		1.0	0.20	ug/L			07/07/25 18:30	1
Ethylbenzene	ND		1.0	0.40	ug/L			07/07/25 18:30	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			07/07/25 18:30	1
Methylene Chloride	ND		1.0	0.30	ug/L			07/07/25 18:30	1
Styrene	ND		5.0	0.30	ug/L			07/07/25 18:30	1
Tetrachloroethene	ND		1.0	0.30	ug/L			07/07/25 18:30	1
Toluene	ND		1.0	0.30	ug/L			07/07/25 18:30	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			07/07/25 18:30	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/07/25 18:30	1
Trichloroethene	ND		1.0	0.30	ug/L			07/07/25 18:30	1
Vinyl chloride	ND		1.0	0.30	ug/L			07/07/25 18:30	1
Xylenes, Total	ND		1.0	0.40	ug/L			07/07/25 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*		*07/07/25 18:30*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*07/07/25 18:30*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*07/07/25 18:30*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*07/07/25 18:30*	*1*

Client Sample ID: HD-MW-6-0/1-0

Lab Sample ID: 410-229795-2

Date Collected: 06/24/25 07:33

Matrix: Water

Date Received: 06/26/25 16:54

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			07/07/25 18:53	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			07/07/25 18:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			07/07/25 18:53	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			07/07/25 18:53	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/07/25 18:53	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			07/07/25 18:53	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			07/07/25 18:53	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			07/07/25 18:53	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			07/07/25 18:53	1
2-Butanone (MEK)	ND		10	1.0	ug/L			07/07/25 18:53	1
2-Hexanone	ND		10	0.85	ug/L			07/07/25 18:53	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			07/07/25 18:53	1
Acetone	ND	^c cn	20	0.70	ug/L			07/07/25 18:53	1
Benzene	ND		1.0	0.30	ug/L			07/07/25 18:53	1
Bromochloromethane	ND		5.0	0.20	ug/L			07/07/25 18:53	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/07/25 18:53	1
Bromoform	ND		4.0	1.0	ug/L			07/07/25 18:53	1
Bromomethane	ND		1.0	0.30	ug/L			07/07/25 18:53	1
Carbon disulfide	ND		5.0	0.30	ug/L			07/07/25 18:53	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			07/07/25 18:53	1
Chlorobenzene	ND		1.0	0.30	ug/L			07/07/25 18:53	1
Chloroethane	ND		1.0	0.30	ug/L			07/07/25 18:53	1
Chloroform	ND		1.0	0.30	ug/L			07/07/25 18:53	1
Chloromethane	ND		2.0	0.55	ug/L			07/07/25 18:53	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			07/07/25 18:53	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/07/25 18:53	1
Dibromochloromethane	ND		1.0	0.20	ug/L			07/07/25 18:53	1
Ethylbenzene	ND		1.0	0.40	ug/L			07/07/25 18:53	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			07/07/25 18:53	1
Methylene Chloride	ND		1.0	0.30	ug/L			07/07/25 18:53	1
Styrene	ND		5.0	0.30	ug/L			07/07/25 18:53	1
Tetrachloroethene	ND		1.0	0.30	ug/L			07/07/25 18:53	1
Toluene	ND		1.0	0.30	ug/L			07/07/25 18:53	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			07/07/25 18:53	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/07/25 18:53	1
Trichloroethene	ND		1.0	0.30	ug/L			07/07/25 18:53	1
Vinyl chloride	ND		1.0	0.30	ug/L			07/07/25 18:53	1
Xylenes, Total	ND		1.0	0.40	ug/L			07/07/25 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*07/07/25 18:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*07/07/25 18:53*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*07/07/25 18:53*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*07/07/25 18:53*	*1*

Client Sample ID: HD-MW-88-0/1-0
Lab Sample ID: 410-229795-3

Date Collected: 06/24/25 12:35
Matrix: Water
Date Received: 06/26/25 16:54

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			07/07/25 19:15	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			07/07/25 19:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			07/07/25 19:15	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			07/07/25 19:15	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/07/25 19:15	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			07/07/25 19:15	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			07/07/25 19:15	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			07/07/25 19:15	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			07/07/25 19:15	1
2-Butanone (MEK)	ND		10	1.0	ug/L			07/07/25 19:15	1
2-Hexanone	ND		10	0.85	ug/L			07/07/25 19:15	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			07/07/25 19:15	1
Acetone	ND	^c cn	20	0.70	ug/L			07/07/25 19:15	1
Benzene	ND		1.0	0.30	ug/L			07/07/25 19:15	1
Bromochloromethane	ND		5.0	0.20	ug/L			07/07/25 19:15	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/07/25 19:15	1
Bromoform	ND		4.0	1.0	ug/L			07/07/25 19:15	1
Bromomethane	ND		1.0	0.30	ug/L			07/07/25 19:15	1
Carbon disulfide	ND		5.0	0.30	ug/L			07/07/25 19:15	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			07/07/25 19:15	1
Chlorobenzene	ND		1.0	0.30	ug/L			07/07/25 19:15	1
Chloroethane	ND		1.0	0.30	ug/L			07/07/25 19:15	1
Chloroform	ND		1.0	0.30	ug/L			07/07/25 19:15	1
Chloromethane	ND		2.0	0.55	ug/L			07/07/25 19:15	1
cis-1,2-Dichloroethene	**0.42**	**J**	1.0	0.30	ug/L			07/07/25 19:15	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/07/25 19:15	1
Dibromochloromethane	ND		1.0	0.20	ug/L			07/07/25 19:15	1
Ethylbenzene	ND		1.0	0.40	ug/L			07/07/25 19:15	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			07/07/25 19:15	1
Methylene Chloride	ND		1.0	0.30	ug/L			07/07/25 19:15	1
Styrene	ND		5.0	0.30	ug/L			07/07/25 19:15	1
Tetrachloroethene	**19**		1.0	0.30	ug/L			07/07/25 19:15	1
Toluene	ND		1.0	0.30	ug/L			07/07/25 19:15	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			07/07/25 19:15	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/07/25 19:15	1
Trichloroethene	**0.63**	**J**	1.0	0.30	ug/L			07/07/25 19:15	1
Vinyl chloride	ND		1.0	0.30	ug/L			07/07/25 19:15	1
Xylenes, Total	ND		1.0	0.40	ug/L			07/07/25 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*		*07/07/25 19:15*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*07/07/25 19:15*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*07/07/25 19:15*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*07/07/25 19:15*	*1*

Client Sample ID: HD-MW-101S-0/1-0

Lab Sample ID: 410-229795-4

Date Collected: 06/24/25 11:14

Matrix: Water

Date Received: 06/26/25 16:54

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			07/07/25 19:38	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			07/07/25 19:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			07/07/25 19:38	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			07/07/25 19:38	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/07/25 19:38	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			07/07/25 19:38	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			07/07/25 19:38	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			07/07/25 19:38	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			07/07/25 19:38	1
2-Butanone (MEK)	ND		10	1.0	ug/L			07/07/25 19:38	1
2-Hexanone	ND		10	0.85	ug/L			07/07/25 19:38	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			07/07/25 19:38	1
Acetone	ND	^c cn	20	0.70	ug/L			07/07/25 19:38	1
Benzene	ND		1.0	0.30	ug/L			07/07/25 19:38	1
Bromochloromethane	ND		5.0	0.20	ug/L			07/07/25 19:38	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/07/25 19:38	1
Bromoform	ND		4.0	1.0	ug/L			07/07/25 19:38	1
Bromomethane	ND		1.0	0.30	ug/L			07/07/25 19:38	1
Carbon disulfide	ND		5.0	0.30	ug/L			07/07/25 19:38	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			07/07/25 19:38	1
Chlorobenzene	ND		1.0	0.30	ug/L			07/07/25 19:38	1
Chloroethane	ND		1.0	0.30	ug/L			07/07/25 19:38	1
Chloroform	ND		1.0	0.30	ug/L			07/07/25 19:38	1
Chloromethane	ND		2.0	0.55	ug/L			07/07/25 19:38	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			07/07/25 19:38	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/07/25 19:38	1
Dibromochloromethane	ND		1.0	0.20	ug/L			07/07/25 19:38	1
Ethylbenzene	ND		1.0	0.40	ug/L			07/07/25 19:38	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			07/07/25 19:38	1
Methylene Chloride	ND		1.0	0.30	ug/L			07/07/25 19:38	1
Styrene	ND		5.0	0.30	ug/L			07/07/25 19:38	1
Tetrachloroethene	**1.6**		1.0	0.30	ug/L			07/07/25 19:38	1
Toluene	ND		1.0	0.30	ug/L			07/07/25 19:38	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			07/07/25 19:38	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/07/25 19:38	1
Trichloroethene	**0.31**	**J**	1.0	0.30	ug/L			07/07/25 19:38	1
Vinyl chloride	ND		1.0	0.30	ug/L			07/07/25 19:38	1
Xylenes, Total	ND		1.0	0.40	ug/L			07/07/25 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*07/07/25 19:38*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*07/07/25 19:38*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*07/07/25 19:38*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*07/07/25 19:38*	*1*

Client Sample ID: HD-MW-101D-0/1-0

Lab Sample ID: 410-229795-5

Date Collected: 06/24/25 10:15

Matrix: Water

Date Received: 06/26/25 16:54

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			07/07/25 20:01	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			07/07/25 20:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			07/07/25 20:01	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			07/07/25 20:01	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/07/25 20:01	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			07/07/25 20:01	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			07/07/25 20:01	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			07/07/25 20:01	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			07/07/25 20:01	1
2-Butanone (MEK)	ND		10	1.0	ug/L			07/07/25 20:01	1
2-Hexanone	ND		10	0.85	ug/L			07/07/25 20:01	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			07/07/25 20:01	1
Acetone	ND	^c cn	20	0.70	ug/L			07/07/25 20:01	1
Benzene	ND		1.0	0.30	ug/L			07/07/25 20:01	1
Bromochloromethane	ND		5.0	0.20	ug/L			07/07/25 20:01	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/07/25 20:01	1
Bromoform	ND		4.0	1.0	ug/L			07/07/25 20:01	1
Bromomethane	ND		1.0	0.30	ug/L			07/07/25 20:01	1
Carbon disulfide	ND		5.0	0.30	ug/L			07/07/25 20:01	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			07/07/25 20:01	1
Chlorobenzene	ND		1.0	0.30	ug/L			07/07/25 20:01	1
Chloroethane	ND		1.0	0.30	ug/L			07/07/25 20:01	1
Chloroform	ND		1.0	0.30	ug/L			07/07/25 20:01	1
Chloromethane	ND		2.0	0.55	ug/L			07/07/25 20:01	1
cis-1,2-Dichloroethene	**6.7**		1.0	0.30	ug/L			07/07/25 20:01	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/07/25 20:01	1
Dibromochloromethane	ND		1.0	0.20	ug/L			07/07/25 20:01	1
Ethylbenzene	ND		1.0	0.40	ug/L			07/07/25 20:01	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			07/07/25 20:01	1
Methylene Chloride	ND		1.0	0.30	ug/L			07/07/25 20:01	1
Styrene	ND		5.0	0.30	ug/L			07/07/25 20:01	1
Tetrachloroethene	**2.7**		1.0	0.30	ug/L			07/07/25 20:01	1
Toluene	ND		1.0	0.30	ug/L			07/07/25 20:01	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			07/07/25 20:01	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/07/25 20:01	1
Trichloroethene	**3.5**		1.0	0.30	ug/L			07/07/25 20:01	1
Vinyl chloride	ND		1.0	0.30	ug/L			07/07/25 20:01	1
Xylenes, Total	ND		1.0	0.40	ug/L			07/07/25 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*07/07/25 20:01*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*07/07/25 20:01*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*07/07/25 20:01*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*07/07/25 20:01*	*1*

Client Sample ID: HD-QC1-0/1-3

Lab Sample ID: 410-229795-6

Date Collected: 06/24/25 13:00

Matrix: Water

Date Received: 06/26/25 16:54

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			07/07/25 20:23	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			07/07/25 20:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			07/07/25 20:23	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			07/07/25 20:23	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/07/25 20:23	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			07/07/25 20:23	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			07/07/25 20:23	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			07/07/25 20:23	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			07/07/25 20:23	1
2-Butanone (MEK)	ND		10	1.0	ug/L			07/07/25 20:23	1
2-Hexanone	ND		10	0.85	ug/L			07/07/25 20:23	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			07/07/25 20:23	1
Acetone	**5.9**	**J ^c cn**	20	0.70	ug/L			07/07/25 20:23	1
Benzene	ND		1.0	0.30	ug/L			07/07/25 20:23	1
Bromochloromethane	ND		5.0	0.20	ug/L			07/07/25 20:23	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/07/25 20:23	1
Bromoform	ND		4.0	1.0	ug/L			07/07/25 20:23	1
Bromomethane	ND		1.0	0.30	ug/L			07/07/25 20:23	1
Carbon disulfide	ND		5.0	0.30	ug/L			07/07/25 20:23	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			07/07/25 20:23	1
Chlorobenzene	ND		1.0	0.30	ug/L			07/07/25 20:23	1
Chloroethane	ND		1.0	0.30	ug/L			07/07/25 20:23	1
Chloroform	ND		1.0	0.30	ug/L			07/07/25 20:23	1
Chloromethane	ND		2.0	0.55	ug/L			07/07/25 20:23	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			07/07/25 20:23	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/07/25 20:23	1
Dibromochloromethane	ND		1.0	0.20	ug/L			07/07/25 20:23	1
Ethylbenzene	ND		1.0	0.40	ug/L			07/07/25 20:23	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			07/07/25 20:23	1
Methylene Chloride	ND		1.0	0.30	ug/L			07/07/25 20:23	1
Styrene	ND		5.0	0.30	ug/L			07/07/25 20:23	1
Tetrachloroethene	ND		1.0	0.30	ug/L			07/07/25 20:23	1
Toluene	**0.48**	**J**	1.0	0.30	ug/L			07/07/25 20:23	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			07/07/25 20:23	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/07/25 20:23	1
Trichloroethene	ND		1.0	0.30	ug/L			07/07/25 20:23	1
Vinyl chloride	ND		1.0	0.30	ug/L			07/07/25 20:23	1
Xylenes, Total	ND		1.0	0.40	ug/L			07/07/25 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*		*07/07/25 20:23*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*07/07/25 20:23*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*07/07/25 20:23*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*07/07/25 20:23*	*1*

Client Sample ID: HD-QC1-0/1-4

Lab Sample ID: 410-229795-7

Date Collected: 06/24/25 12:30

Matrix: Water

Date Received: 06/26/25 16:54

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			07/07/25 20:46	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			07/07/25 20:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			07/07/25 20:46	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			07/07/25 20:46	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/07/25 20:46	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			07/07/25 20:46	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			07/07/25 20:46	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			07/07/25 20:46	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			07/07/25 20:46	1
2-Butanone (MEK)	ND		10	1.0	ug/L			07/07/25 20:46	1
2-Hexanone	ND		10	0.85	ug/L			07/07/25 20:46	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			07/07/25 20:46	1
Acetone	**5.8**	**J ^c cn**	20	0.70	ug/L			07/07/25 20:46	1
Benzene	ND		1.0	0.30	ug/L			07/07/25 20:46	1
Bromochloromethane	ND		5.0	0.20	ug/L			07/07/25 20:46	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/07/25 20:46	1
Bromoform	ND		4.0	1.0	ug/L			07/07/25 20:46	1
Bromomethane	ND		1.0	0.30	ug/L			07/07/25 20:46	1
Carbon disulfide	ND		5.0	0.30	ug/L			07/07/25 20:46	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			07/07/25 20:46	1
Chlorobenzene	ND		1.0	0.30	ug/L			07/07/25 20:46	1
Chloroethane	ND		1.0	0.30	ug/L			07/07/25 20:46	1
Chloroform	ND		1.0	0.30	ug/L			07/07/25 20:46	1
Chloromethane	ND		2.0	0.55	ug/L			07/07/25 20:46	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			07/07/25 20:46	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/07/25 20:46	1
Dibromochloromethane	ND		1.0	0.20	ug/L			07/07/25 20:46	1
Ethylbenzene	ND		1.0	0.40	ug/L			07/07/25 20:46	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			07/07/25 20:46	1
Methylene Chloride	ND		1.0	0.30	ug/L			07/07/25 20:46	1
Styrene	ND		5.0	0.30	ug/L			07/07/25 20:46	1
Tetrachloroethene	ND		1.0	0.30	ug/L			07/07/25 20:46	1
Toluene	**0.43**	**J**	1.0	0.30	ug/L			07/07/25 20:46	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			07/07/25 20:46	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/07/25 20:46	1
Trichloroethene	ND		1.0	0.30	ug/L			07/07/25 20:46	1
Vinyl chloride	ND		1.0	0.30	ug/L			07/07/25 20:46	1
Xylenes, Total	ND		1.0	0.40	ug/L			07/07/25 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*		*07/07/25 20:46*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*07/07/25 20:46*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*07/07/25 20:46*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*07/07/25 20:46*	*1*

Default Detection Limits

Client: Groundwater Sciences Corporation
Job ID: 410-229795-1
Project/Site: TI Area 1 Quarterly Sampling Event

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

Analyte	RL	MDL
1,1,1,2-Tetrachloroethane	1.0 ug/L	0.30 ug/L
1,1,1-Trichloroethane	1.0 ug/L	0.30 ug/L
1,1,2,2-Tetrachloroethane	1.0 ug/L	0.30 ug/L
1,1,2-Trichloroethane	1.0 ug/L	0.30 ug/L
1,1-Dichloroethane	1.0 ug/L	0.30 ug/L
1,1-Dichloroethene	1.0 ug/L	0.30 ug/L
1,2-Dibromoethane (EDB)	1.0 ug/L	0.20 ug/L
1,2-Dichloroethane	1.0 ug/L	0.30 ug/L
1,2-Dichloropropane	1.0 ug/L	0.30 ug/L
2-Butanone (MEK)	10 ug/L	1.0 ug/L
2-Hexanone	10 ug/L	0.85 ug/L
4-Methyl-2-pentanone (MIBK)	10 ug/L	0.50 ug/L
Acetone	20 ug/L	0.70 ug/L
Benzene	1.0 ug/L	0.30 ug/L
Bromochloromethane	5.0 ug/L	0.20 ug/L
Bromodichloromethane	1.0 ug/L	0.20 ug/L
Bromoform	4.0 ug/L	1.0 ug/L
Bromomethane	1.0 ug/L	0.30 ug/L
Carbon disulfide	5.0 ug/L	0.30 ug/L
Carbon tetrachloride	1.0 ug/L	0.30 ug/L
Chlorobenzene	1.0 ug/L	0.30 ug/L
Chloroethane	1.0 ug/L	0.30 ug/L
Chloroform	1.0 ug/L	0.30 ug/L
Chloromethane	2.0 ug/L	0.55 ug/L
cis-1,2-Dichloroethene	1.0 ug/L	0.30 ug/L
cis-1,3-Dichloropropene	1.0 ug/L	0.20 ug/L
Dibromochloromethane	1.0 ug/L	0.20 ug/L
Ethylbenzene	1.0 ug/L	0.40 ug/L
Methyl tert-butyl ether	1.0 ug/L	0.20 ug/L
Methylene Chloride	1.0 ug/L	0.30 ug/L
Styrene	5.0 ug/L	0.30 ug/L
Tetrachloroethene	1.0 ug/L	0.30 ug/L
Toluene	1.0 ug/L	0.30 ug/L
trans-1,2-Dichloroethene	2.0 ug/L	0.70 ug/L
trans-1,3-Dichloropropene	1.0 ug/L	0.20 ug/L
Trichloroethene	1.0 ug/L	0.30 ug/L
Vinyl chloride	1.0 ug/L	0.30 ug/L
Xylenes, Total	1.0 ug/L	0.40 ug/L

Surrogate Summary

Client: Groundwater Sciences Corporation
Job ID: 410-229795-1
Project/Site: TI Area 1 Quarterly Sampling Event

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-229795-1	HD-MW-5-0/1-0	94	99	95	109
410-229795-2	HD-MW-6-0/1-0	95	99	93	108
410-229795-3	HD-MW-88-0/1-0	94	99	93	108
410-229795-4	HD-MW-101S-0/1-0	95	100	93	107
410-229795-5	HD-MW-101D-0/1-0	97	96	95	106
410-229795-6	HD-QC1-0/1-3	94	99	94	107
410-229795-7	HD-QC1-0/1-4	94	100	94	107
LCS 410-667432/4	Lab Control Sample	98	101	93	108
LCSD 410-667432/5	Lab Control Sample Dup	96	98	93	106
MB 410-667432/7	Method Blank	96	99	93	108

Surrogate Legend

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

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

Lab Sample ID: MB 410-667432/7
Matrix: Water
Analysis Batch: 667432

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			07/07/25 13:13	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			07/07/25 13:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			07/07/25 13:13	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			07/07/25 13:13	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/07/25 13:13	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			07/07/25 13:13	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			07/07/25 13:13	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			07/07/25 13:13	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			07/07/25 13:13	1
2-Butanone (MEK)	ND		10	1.0	ug/L			07/07/25 13:13	1
2-Hexanone	ND		10	0.85	ug/L			07/07/25 13:13	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			07/07/25 13:13	1
Acetone	ND		20	0.70	ug/L			07/07/25 13:13	1
Benzene	ND		1.0	0.30	ug/L			07/07/25 13:13	1
Bromochloromethane	ND		5.0	0.20	ug/L			07/07/25 13:13	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/07/25 13:13	1
Bromoform	ND		4.0	1.0	ug/L			07/07/25 13:13	1
Bromomethane	ND		1.0	0.30	ug/L			07/07/25 13:13	1
Carbon disulfide	ND		5.0	0.30	ug/L			07/07/25 13:13	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			07/07/25 13:13	1
Chlorobenzene	ND		1.0	0.30	ug/L			07/07/25 13:13	1
Chloroethane	ND		1.0	0.30	ug/L			07/07/25 13:13	1
Chloroform	ND		1.0	0.30	ug/L			07/07/25 13:13	1
Chloromethane	ND		2.0	0.55	ug/L			07/07/25 13:13	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			07/07/25 13:13	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/07/25 13:13	1
Dibromochloromethane	ND		1.0	0.20	ug/L			07/07/25 13:13	1
Ethylbenzene	ND		1.0	0.40	ug/L			07/07/25 13:13	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			07/07/25 13:13	1
Methylene Chloride	ND		1.0	0.30	ug/L			07/07/25 13:13	1
Styrene	ND		5.0	0.30	ug/L			07/07/25 13:13	1
Tetrachloroethene	ND		1.0	0.30	ug/L			07/07/25 13:13	1
Toluene	ND		1.0	0.30	ug/L			07/07/25 13:13	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			07/07/25 13:13	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/07/25 13:13	1
Trichloroethene	ND		1.0	0.30	ug/L			07/07/25 13:13	1
Vinyl chloride	ND		1.0	0.30	ug/L			07/07/25 13:13	1
Xylenes, Total	ND		1.0	0.40	ug/L			07/07/25 13:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*07/07/25 13:13*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*07/07/25 13:13*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*07/07/25 13:13*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*07/07/25 13:13*	*1*

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

Lab Sample ID: LCS 410-667432/4
Matrix: Water
Analysis Batch: 667432

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	17.8		ug/L		89	79 - 120
1,1,1-Trichloroethane	20.0	17.1		ug/L		85	73 - 120
1,1,2,2-Tetrachloroethane	20.0	21.9		ug/L		109	72 - 120
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	80 - 120
1,1-Dichloroethane	20.0	21.3		ug/L		107	80 - 120
1,1-Dichloroethene	20.0	19.5		ug/L		98	80 - 131
1,2-Dibromoethane (EDB)	20.0	19.6		ug/L		98	77 - 120
1,2-Dichloroethane	20.0	18.2		ug/L		91	73 - 124
1,2-Dichloropropane	20.0	20.2		ug/L		101	80 - 120
2-Butanone (MEK)	250	241		ug/L		96	59 - 135
2-Hexanone	250	253		ug/L		101	56 - 135
4-Methyl-2-pentanone (MIBK)	250	228		ug/L		91	62 - 133
Acetone	250	268		ug/L		107	57 - 143
Benzene	20.0	19.5		ug/L		97	80 - 120
Bromochloromethane	20.0	17.1		ug/L		85	80 - 120
Bromodichloromethane	20.0	17.6		ug/L		88	71 - 120
Bromoform	20.0	15.5		ug/L		77	51 - 120
Bromomethane	20.0	17.4		ug/L		87	53 - 128
Carbon disulfide	20.0	17.9		ug/L		90	65 - 128
Carbon tetrachloride	20.0	16.0		ug/L		80	64 - 134
Chlorobenzene	20.0	19.6		ug/L		98	80 - 120
Chloroethane	20.0	21.3		ug/L		107	55 - 123
Chloroform	20.0	18.3		ug/L		92	80 - 120
Chloromethane	20.0	19.8		ug/L		99	39 - 134
cis-1,2-Dichloroethene	20.0	18.6		ug/L		93	80 - 125
cis-1,3-Dichloropropene	20.0	18.6		ug/L		93	75 - 120
Dibromochloromethane	20.0	17.3		ug/L		87	71 - 120
Ethylbenzene	20.0	19.5		ug/L		98	80 - 120
Methyl tert-butyl ether	20.0	20.0		ug/L		100	69 - 122
Methylene Chloride	20.0	20.1		ug/L		100	80 - 120
Styrene	20.0	18.6		ug/L		93	80 - 120
Tetrachloroethene	20.0	17.3		ug/L		87	80 - 120
Toluene	20.0	20.2		ug/L		101	80 - 120
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	80 - 126
trans-1,3-Dichloropropene	20.0	20.3		ug/L		101	67 - 120
Trichloroethene	20.0	18.2		ug/L		91	80 - 120
Vinyl chloride	20.0	19.7		ug/L		98	56 - 120
Xylenes, Total	60.0	56.1		ug/L		93	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

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

Lab Sample ID: LCSD 410-667432/5
Matrix: Water
Analysis Batch: 667432

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			20.0	17.8		ug/L		89	79 - 120	0	30
1,1,1-Trichloroethane			20.0	16.9		ug/L		85	73 - 120	1	30
1,1,2,2-Tetrachloroethane			20.0	22.1		ug/L		110	72 - 120	1	30
1,1,2-Trichloroethane			20.0	19.6		ug/L		98	80 - 120	4	30
1,1-Dichloroethane			20.0	20.7		ug/L		103	80 - 120	3	30
1,1-Dichloroethene			20.0	19.4		ug/L		97	80 - 131	1	30
1,2-Dibromoethane (EDB)			20.0	19.1		ug/L		95	77 - 120	3	30
1,2-Dichloroethane			20.0	18.0		ug/L		90	73 - 124	1	30
1,2-Dichloropropane			20.0	19.3		ug/L		96	80 - 120	5	30
2-Butanone (MEK)			250	247		ug/L		99	59 - 135	3	30
2-Hexanone			250	251		ug/L		101	56 - 135	1	30
4-Methyl-2-pentanone (MIBK)			250	229		ug/L		92	62 - 133	1	30
Acetone			250	264		ug/L		105	57 - 143	2	30
Benzene			20.0	19.3		ug/L		97	80 - 120	1	30
Bromochloromethane			20.0	16.7		ug/L		83	80 - 120	2	30
Bromodichloromethane			20.0	17.2		ug/L		86	71 - 120	3	30
Bromoform			20.0	15.1		ug/L		76	51 - 120	2	30
Bromomethane			20.0	18.3		ug/L		91	53 - 128	5	30
Carbon disulfide			20.0	17.8		ug/L		89	65 - 128	1	30
Carbon tetrachloride			20.0	15.8		ug/L		79	64 - 134	1	30
Chlorobenzene			20.0	18.7		ug/L		93	80 - 120	5	30
Chloroethane			20.0	21.2		ug/L		106	55 - 123	1	30
Chloroform			20.0	17.9		ug/L		89	80 - 120	3	30
Chloromethane			20.0	20.3		ug/L		102	39 - 134	2	30
cis-1,2-Dichloroethene			20.0	18.7		ug/L		94	80 - 125	1	30
cis-1,3-Dichloropropene			20.0	18.0		ug/L		90	75 - 120	3	30
Dibromochloromethane			20.0	16.8		ug/L		84	71 - 120	3	30
Ethylbenzene			20.0	18.9		ug/L		94	80 - 120	3	30
Methyl tert-butyl ether			20.0	20.0		ug/L		100	69 - 122	0	30
Methylene Chloride			20.0	20.2		ug/L		101	80 - 120	1	30
Styrene			20.0	18.2		ug/L		91	80 - 120	2	30
Tetrachloroethene			20.0	16.9		ug/L		84	80 - 120	2	30
Toluene			20.0	19.8		ug/L		99	80 - 120	2	30
trans-1,2-Dichloroethene			20.0	19.3		ug/L		97	80 - 126	1	30
trans-1,3-Dichloropropene			20.0	19.5		ug/L		98	67 - 120	4	30
Trichloroethene			20.0	18.4		ug/L		92	80 - 120	1	30
Vinyl chloride			20.0	19.7		ug/L		98	56 - 120	0	30
Xylenes, Total			60.0	54.5		ug/L		91	80 - 120	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

QC Association Summary

Client: Groundwater Sciences Corporation
Job ID: 410-229795-1
Project/Site: TI Area 1 Quarterly Sampling Event

GC/MS VOA

Analysis Batch: 667432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-229795-1	HD-MW-5-0/1-0	Total/NA	Water	8260D	
410-229795-2	HD-MW-6-0/1-0	Total/NA	Water	8260D	
410-229795-3	HD-MW-88-0/1-0	Total/NA	Water	8260D	
410-229795-4	HD-MW-101S-0/1-0	Total/NA	Water	8260D	
410-229795-5	HD-MW-101D-0/1-0	Total/NA	Water	8260D	
410-229795-6	HD-QC1-0/1-3	Total/NA	Water	8260D	
410-229795-7	HD-QC1-0/1-4	Total/NA	Water	8260D	
MB 410-667432/7	Method Blank	Total/NA	Water	8260D	
LCS 410-667432/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-667432/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Client Sample ID: HD-MW-5-0/1-0
Lab Sample ID: 410-229795-1

Date Collected: 06/24/25 12:43
Matrix: Water
Date Received: 06/26/25 16:54

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	667432	TQ4J	ELLE	07/07/25 18:30

Client Sample ID: HD-MW-6-0/1-0
Lab Sample ID: 410-229795-2

Date Collected: 06/24/25 07:33
Matrix: Water
Date Received: 06/26/25 16:54

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	667432	TQ4J	ELLE	07/07/25 18:53

Client Sample ID: HD-MW-88-0/1-0
Lab Sample ID: 410-229795-3

Date Collected: 06/24/25 12:35
Matrix: Water
Date Received: 06/26/25 16:54

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	667432	TQ4J	ELLE	07/07/25 19:15

Client Sample ID: HD-MW-101S-0/1-0
Lab Sample ID: 410-229795-4

Date Collected: 06/24/25 11:14
Matrix: Water
Date Received: 06/26/25 16:54

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	667432	TQ4J	ELLE	07/07/25 19:38

Client Sample ID: HD-MW-101D-0/1-0
Lab Sample ID: 410-229795-5

Date Collected: 06/24/25 10:15
Matrix: Water
Date Received: 06/26/25 16:54

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	667432	TQ4J	ELLE	07/07/25 20:01

Client Sample ID: HD-QC1-0/1-3
Lab Sample ID: 410-229795-6

Date Collected: 06/24/25 13:00
Matrix: Water
Date Received: 06/26/25 16:54

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	667432	TQ4J	ELLE	07/07/25 20:23

Client Sample ID: HD-QC1-0/1-4
Lab Sample ID: 410-229795-7

Date Collected: 06/24/25 12:30
Matrix: Water
Date Received: 06/26/25 16:54

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	667432	TQ4J	ELLE	07/07/25 20:46

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater Sciences Corporation
Job ID: 410-229795-1
Project/Site: TI Area 1 Quarterly Sampling Event

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-26

Method Summary

Client: Groundwater Sciences Corporation
Job ID: 410-229795-1
Project/Site: TI Area 1 Quarterly Sampling Event

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Groundwater Sciences Corporation
Job ID: 410-229795-1
Project/Site: TI Area 1 Quarterly Sampling Event

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-229795-1	HD-MW-5-0/1-0	Water	06/24/25 12:43	06/26/25 16:54
410-229795-2	HD-MW-6-0/1-0	Water	06/24/25 07:33	06/26/25 16:54
410-229795-3	HD-MW-88-0/1-0	Water	06/24/25 12:35	06/26/25 16:54
410-229795-4	HD-MW-101S-0/1-0	Water	06/24/25 11:14	06/26/25 16:54
410-229795-5	HD-MW-101D-0/1-0	Water	06/24/25 10:15	06/26/25 16:54
410-229795-6	HD-QC1-0/1-3	Water	06/24/25 13:00	06/26/25 16:54
410-229795-7	HD-QC1-0/1-4	Water	06/24/25 12:30	06/26/25 16:54

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Instrument ID: 23297 Analysis Batch Number: 617813

Lab Sample ID: IC 410-617813/3 Client Sample ID:

Date Analyzed: 03/17/25 14:42 Lab File ID: 4M17X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl acetate	5.68	Incomplete Integration	TQ4J	03/18/25 06:51

Lab Sample ID: IC 410-617813/12 Client Sample ID:

Date Analyzed: 03/17/25 18:05 Lab File ID: 4M17X11.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.04	Split Peak	UKEK	03/18/25 12:03
Ethanol	2.97	Peak assignment corrected	TQ4J	03/18/25 06:57
Propionitrile	5.72	Incomplete Integration	TQ4J	03/18/25 06:58
1,4-Dioxane	8.21	Incomplete Integration	TQ4J	03/18/25 06:58
1-Chlorohexane	10.88	Peak assignment corrected	TQ4J	03/18/25 06:58

Lab Sample ID: IC 410-617813/13 Client Sample ID:

Date Analyzed: 03/17/25 18:28 Lab File ID: 4M17X12.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	2.91	Peak assignment corrected	TQ4J	03/18/25 06:59

Lab Sample ID: IC 410-617813/14 Client Sample ID:

Date Analyzed: 03/17/25 18:50 Lab File ID: 4M17X13.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.05	Split Peak	UKEK	03/18/25 12:04

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Instrument ID: 23297 Analysis Batch Number: 617813

Lab Sample ID: IC 410-617813/15 Client Sample ID:

Date Analyzed: 03/17/25 19:13 Lab File ID: 4M17X14.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.04	Split Peak	UKEK	03/18/25 12:04
Ethanol	2.92	Peak assignment corrected	TQ4J	03/18/25 07:02
2-Propanol	3.40	Split Peak	UKEK	03/18/25 11:48

Lab Sample ID: ICIS 410-617813/16 Client Sample ID:

Date Analyzed: 03/17/25 19:36 Lab File ID: 4M17X15.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.04	Split Peak	UKEK	03/18/25 12:04

Lab Sample ID: IC 410-617813/17 Client Sample ID:

Date Analyzed: 03/17/25 19:58 Lab File ID: 4M17X16.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	3.32	Split Peak	UKEK	03/18/25 11:53

Lab Sample ID: IC 410-617813/18 Client Sample ID:

Date Analyzed: 03/17/25 20:21 Lab File ID: 4M17X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	3.34	Split Peak	UKEK	03/18/25 11:55

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Instrument ID: 23297 Analysis Batch Number: 667432

Lab Sample ID: 410-229795-1 Client Sample ID: HD-MW-5-0/1-0

Date Analyzed: 07/07/25 18:30 Lab File ID: 4L07X29.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)		Invalid Compound ID	N9NA	07/08/25 11:08
Trichloroethene		Invalid Compound ID	N9NA	07/08/25 11:09

Lab Sample ID: 410-229795-5 Client Sample ID: HD-MW-101D-0/1-0

Date Analyzed: 07/07/25 20:01 Lab File ID: 4L07X33.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethane		Invalid Compound ID	N9NA	07/08/25 11:11

Lab Sample ID: 410-229795-7 Client Sample ID: HD-QC1-0/1-4

Date Analyzed: 07/07/25 20:46 Lab File ID: 4L07X35.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)		Invalid Compound ID	N9NA	07/08/25 11:12

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_4ppbEtOH_00745	03/24/25	03/17/25	DI Water, Lot DI 23226	1000 mL	MSV_CCV_2CEVE_00219	4 uL	2-Chloroethyl vinyl ether	4 ug/L
					MSV_CCV_CYC_00011	32 uL	Cyclohexanone	199.982 ug/L
					MSV_CCV_ETOH_00009	20 uL	Ethanol	250 ug/L
					MSV_CCV_GASES_01047	2 uL	1,2-Dichloro-1,1,2-trifluoroethane	4 ug/L
							Bromomethane	4 ug/L
							Butadiene	4 ug/L
							Chloroethane	4 ug/L
							Chloromethane	4 ug/L
							Dichlorodifluoromethane	4 ug/L
							Dichlorofluoromethane	4 ug/L
							Trichlorofluoromethane	4 ug/L
							Vinyl chloride	4 ug/L
					MSV_CCV_VOC#1_00227	4 uL	1,1,1,2-Tetrachloroethane	4 ug/L
							1,1,1-Trichloroethane	4 ug/L
							1,1,2,2-Tetrachloroethane	4 ug/L
							1,1,2-Trichloroethane	4 ug/L
							1,1-Dichloroethane	4 ug/L
							1,1-Dichloroethene	4 ug/L
							1,1-Dichloropropene	4 ug/L
							1,2,3-Trichlorobenzene	4 ug/L
							1,2,3-Trichloropropane	4 ug/L
							1,2,4-Trichlorobenzene	4 ug/L
							1,2,4-Trimethylbenzene	4 ug/L
							1,2-Dibromo-3-Chloropropane	4 ug/L
							1,2-Dibromoethane (EDB)	4 ug/L
							1,2-Dichlorobenzene	4 ug/L
							1,2-Dichloroethane	4 ug/L
							1,2-Dichloropropane	4 ug/L
							1,3,5-Trimethylbenzene	4 ug/L
							1,3-Dichlorobenzene	4 ug/L
							1,3-Dichloropropane	4 ug/L
							1,4-Dichlorobenzene	4 ug/L
							2,2-Dichloropropane	4 ug/L
							2-Chlorotoluene	4 ug/L
							4-Chlorotoluene	4 ug/L
							4-Isopropyltoluene	4 ug/L
							Benzene	4 ug/L
							Bromobenzene	4 ug/L
							Bromochloromethane	4 ug/L
							Bromodichloromethane	4 ug/L
							Bromoform	4 ug/L
							Carbon tetrachloride	4 ug/L
							Chlorobenzene	4 ug/L
							Chloroform	4 ug/L
							cis-1,2-Dichloroethene	4 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	4 ug/L
							Dibromochloromethane	4 ug/L
							Dibromomethane	4 ug/L
							Ethylbenzene	4 ug/L
							Hexachlorobutadiene	4 ug/L
							Isopropylbenzene	4 ug/L
							m-Xylene & p-Xylene	8 ug/L
							Methylene Chloride	4 ug/L
							n-Butylbenzene	4 ug/L
							N-Propylbenzene	4 ug/L
							Naphthalene	4 ug/L
							o-Xylene	4 ug/L
							sec-Butylbenzene	4 ug/L
							Styrene	4 ug/L
							tert-Butylbenzene	4 ug/L
							Tetrachloroethene	4 ug/L
							Toluene	4 ug/L
							trans-1,2-Dichloroethene	4 ug/L
							trans-1,3-Dichloropropene	4 ug/L
							Trichloroethene	4 ug/L
							1,1,2-Trichloro-1,2,2-trifluoroethane	4 ug/L
							1,2,3-Trimethylbenzene	4 ug/L
							1,3,5-Trichlorobenzene	4 ug/L
							1,3-Diethylbenzene	4 ug/L
							1,4-Dioxane	50 ug/L
							1-Chlorohexane	4 ug/L
							2-Chloro-1,3-butadiene	4 ug/L
							2-ethoxy-2-methyl butane	4 ug/L
							2-Methyl-2-propanol	20 ug/L
							2-Methylnaphthalene	4 ug/L
							2-Nitropropane	20 ug/L
							3-Chloro-1-propene	4 ug/L
							Acrylonitrile	10 ug/L
							Benzyl chloride	4 ug/L
							Carbon disulfide	4 ug/L
							Cyclohexane	4 ug/L
							Ethyl methacrylate	4 ug/L
							Hexane	4 ug/L
							Iodomethane	4 ug/L
							Isobutyl alcohol	50 ug/L
							Isopropyl alcohol	20 ug/L
							Isopropyl ether	4 ug/L
							Methacrylonitrile	10 ug/L
							Methyl acetate	4 ug/L
							Methyl methacrylate	4 ug/L
							Methyl tert-butyl ether	4 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylcyclohexane	4 ug/L
							n-Butanol	50 ug/L
							n-Heptane	4 ug/L
							o-diethylbenzene	4 ug/L
							p-Diethylbenzene	4 ug/L
							Pentane	4 ug/L
							Propionitrile	20 ug/L
							Tert-amyl methyl ether	4 ug/L
							Tert-butyl ethyl ether	4 ug/L
							Tetrahydrofuran	20 ug/L
							trans-1,4-Dichloro-2-butene	10 ug/L
					MSV_CCV_VOC#3_00228	3.2 uL	Acrolein	39.0326 ug/L
							2-Butanone (MEK)	8 ug/L
							2-Hexanone	8 ug/L
							4-Methyl-2-pentanone (MIBK)	8 ug/L
							Acetone	8 ug/L
					MSV_V_Acr_Std_00009	0.8 uL	2-Ethylhexyl acrylate	3.99789 ug/L
							n-Butyl acrylate	3.99833 ug/L
							Ethyl acrylate	4.00142 ug/L
							Methyl acrylate	4.00074 ug/L
.MSV_CCV_2CEVE_00219	04/16/25	03/17/25	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00226	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00226	05/31/27		Restek, Lot A0211425		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_CYC_00011	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00014	8.884 mL	Cyclohexanone	6249.45 ug/mL
..MSV_VCYC_STK_00014	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00010	1.4069 g	Cyclohexanone	140690 ug/mL
...MSV_CYC_00010	06/30/27		Chem Service, Lot 15471000		(Purchased Reagent)		Cyclohexanone	1 g/g
.MSV_CCV_ETOH_00009	09/11/25	03/11/25	Methanol, Lot EH471	200 mL	MSV_VETOH_STK_00017	8.43 mL	Ethanol	12500 ug/mL
..MSV_VETOH_STK_00017	09/11/25	03/11/25	Methanol, Lot EH471	10 mL	MSV_EtOH_00050	2.9656 g	Ethanol	296560 ug/mL
...MSV_EtOH_00050	01/31/30		Chem Service, Lot 15122500		(Purchased Reagent)		Ethanol	1 g/g
.MSV_CCV_GASES_01047	03/24/25		Restek, Lot A0212054		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MSV_CCV_VOC#1_00227	04/16/25	03/17/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00224	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_MegaMix#2_00227	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,3-Diethylbenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl alcohol	5000 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_MegaMIX#1_00224	04/16/25		Restek, Lot A0211483		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00227	04/16/25		Restek, Lot A0212010		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00228	04/16/25	03/17/25	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00026	0.5 mL	Acrolein	12197.7 ug/mL
					MSV_V_Ketones_00218	1 mL	2-Butanone (MEK)	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone (MIBK)	2500 ug/mL
							Acetone	2500 ug/mL
..MSV_CCV_ACR_00026	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00046	8.537 mL	Acrolein	121977 ug/mL
...MSV_VACR_STK_00046	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00039	1.538 g	Acrolein	142880 ug/mL
....MSV_ACROLEIN_00039	08/31/25	Chem Service, Lot 15807600			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00218	04/30/27	Restek, Lot A0210935			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	12500 ug/mL
.MSV_V_Acr_Std_00009	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00005	0.887 mL	2-Ethylhexyl acrylate	4997.36 ug/mL
					MSV_MStk_BAcr_00006	1.004 mL	n-Butyl acrylate	4997.91 ug/mL
					MSV_MStk_EtAc_00005	1.007 mL	Ethyl acrylate	5001.77 ug/mL
					MSV_MStk_MAcr_00005	0.904 mL	Methyl acrylate	5000.93 ug/mL
..MSV_MStk_2E6A_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.5634 g	2-Ethylhexyl acrylate	56340 ug/mL
...MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
..MSV_MStk_BAcr_00006	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00006	0.4978 g	n-Butyl acrylate	49780 ug/mL
...MSV_nButylAcr_00006	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
..MSV_MStk_EtAc_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00004	0.4967 g	Ethyl acrylate	49670 ug/mL
...MSV_EthylAcry_00004	03/31/26		Chem Service, Lot 15464400		(Purchased Reagent)		Ethyl acrylate	1 g/g
..MSV_MStk_MAcr_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00004	0.5532 g	Methyl acrylate	55320 ug/mL
...MSV_MethylAcr_00004	01/31/26		Chem Service, Lot 14862200		(Purchased Reagent)		Methyl acrylate	1 g/g
MSV_CCV_2CEVE_00219	04/16/25	03/17/25	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00226	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
.MSV_V_2CLEVE_00226	05/31/27		Restek, Lot A0211425		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_CYC_00011	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00014	8.884 mL	Cyclohexanone	6249.45 ug/mL
.MSV_VCYC_STK_00014	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00010	1.4069 g	Cyclohexanone	140690 ug/mL
..MSV_CYC_00010	06/30/27		Chem Service, Lot 15471000		(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_EE_00008	05/06/25	11/06/24	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00015	1.115 mL	Ethyl ether	999.932 ug/mL
.MSV_EE_MISCSK_00015	05/06/25	11/06/24	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00012	0.4484 g	Ethyl ether	44840 ug/mL
..MSV_EE_Neat_00012	06/30/27		Chem Service, Lot 14084700		(Purchased Reagent)		Ethyl ether	1 g/g
MSV_CCV_ETOH_00009	09/11/25	03/11/25	Methanol, Lot EH471	200 mL	MSV_VETOH_STK_00017	8.43 mL	Ethanol	12500 ug/mL
.MSV_VETOH_STK_00017	09/11/25	03/11/25	Methanol, Lot EH471	10 mL	MSV_EtOH_00050	2.9656 g	Ethanol	296560 ug/mL
..MSV_EtOH_00050	01/31/30		Chem Service, Lot 15122500		(Purchased Reagent)		Ethanol	1 g/g
MSV_CCV_GASES_01047	03/24/25		Restek, Lot A0212054		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_GASES_01054	07/08/25		Restek, Lot A0212054		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_LKB_00013	09/06/25	03/06/25	Methanol, Lot EH471	50 mL	MSV_V234TCB_S_00009	4.897 mL	2,3,4-Trichlorobutene	999.576 ug/mL
					MSV_V34D1B_SK_00015	0.825 mL	3,4-Dichloro-1-butene	999.735 ug/mL
					MSV_Vc14d_STK_00013	1.274 mL	cis-1,4-Dichloro-2-butene	999.708 ug/mL
.MSV_V234TCB_S_00009	09/06/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_2,3,4TCB_00013	0.108 g	2,3,4-Trichlorobutene	10206 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSV_2,3,4TCB_00013	07/31/27		Chem Service, Lot 15568600		(Purchased Reagent)		2,3,4-Trichlorobutene	0.945 g/g
.MSV_V34D1B_SK_00015	09/06/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_3,4DC1Be_00003	0.6059 g	3,4-Dichloro-1-butene	60590 ug/mL
..MSV_3,4DC1Be_00003	08/22/27		TCI, Lot W3RMJ		(Purchased Reagent)		3,4-Dichloro-1-butene	1 g/g
.MSV_Vc14d_STK_00013	09/06/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_c14dcb_Nt_00004	0.413 g	cis-1,4-Dichloro-2-butene	39235 ug/mL
..MSV_c14dcb_Nt_00004	08/16/27		Aldrich, Lot SHBH4584V		(Purchased Reagent)		cis-1,4-Dichloro-2-butene	0.95 g/g
MSV_CCV_OH_Sp_00020	04/16/25	03/17/25	Methanol, Lot EH822	1 mL	MSV_V_Acr_Std_00009	200 uL	2-Ethylhexyl acrylate	999.472 ug/mL
							n-Butyl acrylate	999.582 ug/mL
							Ethyl acrylate	1000.35 ug/mL
							Methyl acrylate	1000.19 ug/mL
.MSV_V_Acr_Std_00009	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00005	0.887 mL	2-Ethylhexyl acrylate	4997.36 ug/mL
					MSV_MStk_BAcr_00006	1.004 mL	n-Butyl acrylate	4997.91 ug/mL
					MSV_MStk_EtAc_00005	1.007 mL	Ethyl acrylate	5001.77 ug/mL
					MSV_MStk_MAcr_00005	0.904 mL	Methyl acrylate	5000.93 ug/mL
..MSV_MStk_2E6A_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.5634 g	2-Ethylhexyl acrylate	56340 ug/mL
...MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
..MSV_MStk_BAcr_00006	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00006	0.4978 g	n-Butyl acrylate	49780 ug/mL
...MSV_nButylAcr_00006	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
..MSV_MStk_EtAc_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00004	0.4967 g	Ethyl acrylate	49670 ug/mL
...MSV_EthylAcry_00004	03/31/26		Chem Service, Lot 15464400		(Purchased Reagent)		Ethyl acrylate	1 g/g
..MSV_MStk_MAcr_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00004	0.5532 g	Methyl acrylate	55320 ug/mL
...MSV_MethylAcr_00004	01/31/26		Chem Service, Lot 14862200		(Purchased Reagent)		Methyl acrylate	1 g/g
MSV_CCV_Penta_00061	03/26/25	03/05/25	Methanol, Lot EJ274	1 mL	MSV_V_PentaCL_00055	200 uL	Pentachloroethane	1000 ug/mL
.MSV_V_PentaCL_00055	03/26/25		Restek, Lot A0197490		(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_CCV_V5ACE_00046	04/02/25	03/03/25	Methanol, Lot EJ274	10 mL	MSV_AcetatesV_00084	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL
							Isopropyl acetate	1000 ug/mL
							n-Butyl acetate	1000 ug/mL
							n-Propyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00084	04/02/25		Restek, Lot A0211993		(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Ethyl acetate	10000 ug/mL
							Isopropyl acetate	10000 ug/mL
							n-Butyl acetate	10000 ug/mL
							n-Propyl acetate	10000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_CCV_VOC#1_00227	04/16/25	03/17/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00224	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00227	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Diethylbenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl alcohol	5000 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
.MSV_MegaMIX#1_00224	04/16/25		Restek, Lot A0211483		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
.MSV_MegaMix#2_00227	04/16/25		Restek, Lot A0212010		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_CCV_VOC#1_00243	08/06/25	07/07/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00240	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00249	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_MegaMIX#1_00240	08/06/25		Restek, Lot A0211483		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							Benzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Methylene Chloride	5000 ug/mL
							Styrene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
.MSV_MegaMix#2_00249	08/06/25		Restek, Lot A0226118		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
MSV_CCV_VOC#3_00228	04/16/25	03/17/25	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00026	0.5 mL	Acrolein	12197.7 ug/mL
					MSV_V_Ketones_00218	1 mL	2-Butanone (MEK)	2500 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone (MIBK)	2500 ug/mL
							Acetone	2500 ug/mL
.MSV_CCV_ACR_00026	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00046	8.537 mL	Acrolein	121977 ug/mL
..MSV_VACR_STK_00046	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00039	1.538 g	Acrolein	142880 ug/mL
...MSV_ACROLEIN_00039	08/31/25	Chem Service, Lot 15807600			(Purchased Reagent)		Acrolein	0.929 g/g
.MSV_V_Ketones_00218	04/30/27	Restek, Lot A0210935			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_CCV_VOC#3_00245	08/06/25	07/07/25	Methanol, Lot EH471	5 mL	MSV_V_Ketones_00175	1 mL	2-Butanone (MEK)	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone (MIBK)	2500 ug/mL
							Acetone	2500 ug/mL
.MSV_V_Ketones_00175	01/31/26	Restek, Lot A0193494			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_HP04_ISO_00003	05/20/25	03/17/25	Methanol, Lot EH822	10 mL	MSV_Cus826_IS_00691	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_Cus826_IS_00691	05/20/25	Restek, Lot A0203141			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP04_ISSS_00004	05/20/25	11/20/24	Methanol, Lot EH822	10 mL	MSV_8260_SS_01316	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
					MSV_Cus826_IS_00691	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_8260_SS_01316	05/20/25	Restek, Lot A0209669			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00691	05/20/25	Restek, Lot A0203141			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP04_ISSS_00005	11/19/25	05/19/25	Methanol, Lot EH822	10 mL	MSV_Cus826_IS_00734	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_Cus826_IS_00734	11/19/25		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP04_ISSS_00005	11/19/25	05/19/25	Methanol, Lot EH822	10 mL	MSV_8260_SS_01418	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.MSV_8260_SS_01418	11/19/25		Restek, Lot A0217887		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MSV_LCS_Gases_00258	07/14/25	07/07/25	Methanol, Lot EH471	25 mL	MSV_QC_2K_GAS_00310	0.5 mL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00310	07/14/25		Restek, Lot A0211460		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LCS_VOC#1_00213	04/16/25	03/17/25	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00259	1 mL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,2-Dibromoethane (EDB)	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							Benzene	40 ug/mL
							Bromochloromethane	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromochloromethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Methylene Chloride	40 ug/mL
							Styrene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00256	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00256	1 mL	2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
.MSV_M_MIX1SEC_00259	05/31/27		Restek, Lot A0211284		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00256	05/31/27		Restek, Lot A0212017		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00256	04/30/27		Restek, Lot A0209876		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00227	08/06/25	07/07/25	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00273	1 mL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethene	40 ug/mL
							1,2-Dibromoethane (EDB)	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							Benzene	40 ug/mL
							Bromochloromethane	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromochloromethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Methylene Chloride	40 ug/mL
							Styrene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00280	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00285	1 mL	2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
.MSV_M_MIX1SEC_00273	12/31/27		Restek, Lot A0225025		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00280	05/31/28		Restek, Lot A0225702		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00285	04/30/27		Restek, Lot A0209876		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_QC_2K_GAS_00290	03/24/25		Restek, Lot A0211460		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_V_BFB_00018							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							divinyl benzene	
							Tentatively Identified Compound	
							Total BTEX	
							Total Diethylbenzene	
							Xylenes, Total	
					MSV_VBFB_STK_00013	0.09 mL	BFB	50.076 ug/mL
.MSV_VBFB_STK_00013	05/31/25	12/02/24	Methanol, Lot EH471	10 mL	MSV_4BFB_NEAT_00012	1.391 g	BFB	139100 ug/mL
..MSV_4BFB_NEAT_00012	05/31/25		Chem Service, Lot 15267000		(Purchased Reagent)		BFB	1 g/g
MSV_V_BFB_00019							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							divinyl benzene	
							Tentatively Identified Compound	
							Total BTEX	
							Total Diethylbenzene	
							Xylenes, Total	
					MSV_VBFB_STK_00014	0.246 mL	BFB	49.9183 ug/mL
.MSV_VBFB_STK_00014	11/22/25	05/22/25	Methanol, Lot EH471	10 mL	MSV_4BFB_NEAT_00013	0.5073 g	BFB	50730 ug/mL
..MSV_4BFB_NEAT_00013	06/30/29		Chem Service, Lot 16054300		(Purchased Reagent)		BFB	1 g/g
MSV_V_SMFreon_00065	04/06/25		Restek, Lot A0197864		(Purchased Reagent)		2-Chloro-1,1,1-Trifluoroethane	2000 ug/mL
							Chlorodifluoromethane	2000 ug/mL
							Chlorotrifluoroethene	2000 ug/mL

Reagent

MSV_2,3,4TCB_00013

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

2,3,4-Trichlorobutene

CATALOG NUMBER	N-14214-100MG
LOT NUMBER	15568600
DATE CERTIFIED	07/25/24
EXPIRATION DATE	07/31/27
CAS NUMBER	2431-50-7
MOLECULAR FORMULA	C4H5Cl3
MOLECULAR WEIGHT	159.4
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet.
INTENDED USE	For laboratory use only.

Analytical Test	Value
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
% PURITY (GC/FID)	94.5

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Alan Murray

COA Form
Revision 5.0 (10/23)

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER

Chem Service, Inc. is accredited to ISO/IEC 17025:2017, ISO 17034:2016 and certified to ISO 9001:2015

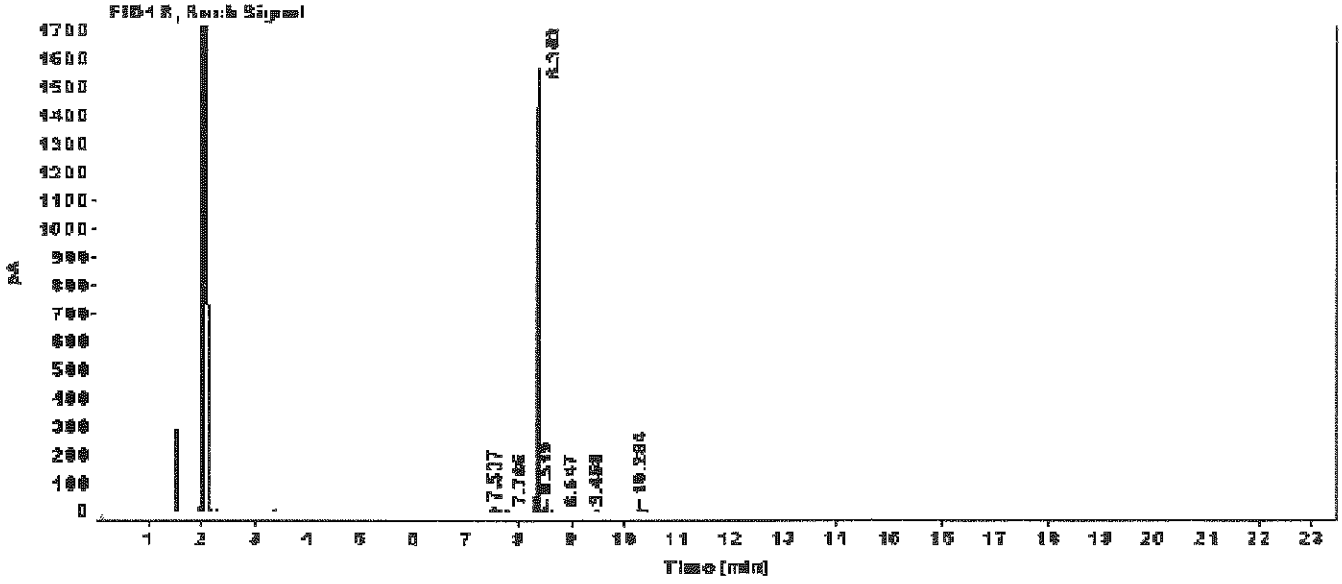
Print Date: 08/06/24

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file:	C:\CHEM32\1\DATA\2023 DATA\1223\N-14214 16.D		
Sample name:	N-14214		
Acq. method:	FRANNY-BACK.M		
Instrument:	GC3	Location:	202
Injection date:	7/25/2024 12:07:50 PM	Injection Vol:	1.000
Column name:	RTx-5MS (30m x 0.25mm x 0.5µm)	# Of Injections:	1



Signal: FID1 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
7.537	BB	0.0220	29.1728	21.2587	0.8943
7.788	BB	0.0222	8.1247	5.8468	0.2491
8.383	BB	0.0313	3082.4851	1543.4288	94.4935
8.519	BB	0.0229	70.6511	48.8153	2.1658
8.647	BV	0.0224	4.7303	3.3591	0.1450
9.468	BB	0.0215	9.6139	6.7867	0.2947
10.284	BB	0.0232	57.3349	38.7965	1.7576
		Sum	3262.1227		

ANAB ANSI National Accreditation Board ACCREDITED REFERENCE MATERIAL PRODUCER

Chem Service, Inc. is accredited to ISO/IEC 17025:2017, ISO 17034:2016 and certified to ISO 9001:2015

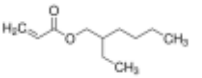
Reagent

MSV_2Eth6Acry_00001

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

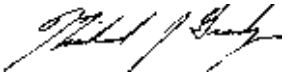
Certificate of Analysis

Product Name:
2-Ethylhexyl acrylate - 98%, contains ≥0.001-≤0.11% monomethyl ether hydroquinone as stabilizer



Product Number:	**290815**
Batch Number:	**MKCN1302**
Brand:	ALDRICH
CAS Number:	103-11-7
MDL Number:	MFCD00009495
Formula:	C11H20O2
Formula Weight:	184.28 g/mol
Quality Release Date:	01 SEP 2020

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 97.5 %	99.6 %
Stabilizer Monomethyl Ether Hydroquinone (MEHQ)	0.001 - 0.110 %	0.002 %



Michael Grady, Manager
Quality Control
Milwaukee, WI US

Reagent

MSV_3,4DC1Be_00003

Certificate of Analysis

08/23/2022(JST)

TOKYO CHEMICAL INDUSTRY CO.,LTD.
4-10-1 Nihonbashi-Honcho, Chuo-ku, Tokyo 103-0023 Japan

Chemical Name: 3,4-Dichloro-1-butene		
Product Number: D1072 CAS RN: 760-23-6	Lot: W3RMJ	

Tests	Results	Specifications
Appearance	Colorless clear liquid	Colorless to Almost colorless clear liquid
Purity(GC)	99.6 %	min. 98.0 %

TCI Lot numbers are 4-5 characters in length. Characters listed after the first 4-5 characters are control numbers for internal purpose only.
The contents of the specifications are subject to change without advance notice. The specification values displayed here are the most up to date values. There may be cases where the product labels display a different specification, however, the product quality still meets the latest specification.

Customer Service:

TCI AMERICA
Tel: +1-800-423-8616 / +1-503-283-1681
Fax: +1-888-520-1075 / +1-503-283-1987
E-mail: Sales-US@TCIchemicals.com

Takuya Nishioka
Quality Assurance Department Manager

Reagent

MSV_8260_SS_01418

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30240 **Lot No.:** A0217887

Description : 8260A Surrogate Mix

8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,515.3 µg/mL	+/- 141.2958
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,504.3 µg/mL	+/- 140.6779
3	Toluene-d8	2037-26-5	PR-34141	99%	2,513.8 µg/mL	+/- 141.2116
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	2,517.3 µg/mL	+/- 141.4082

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

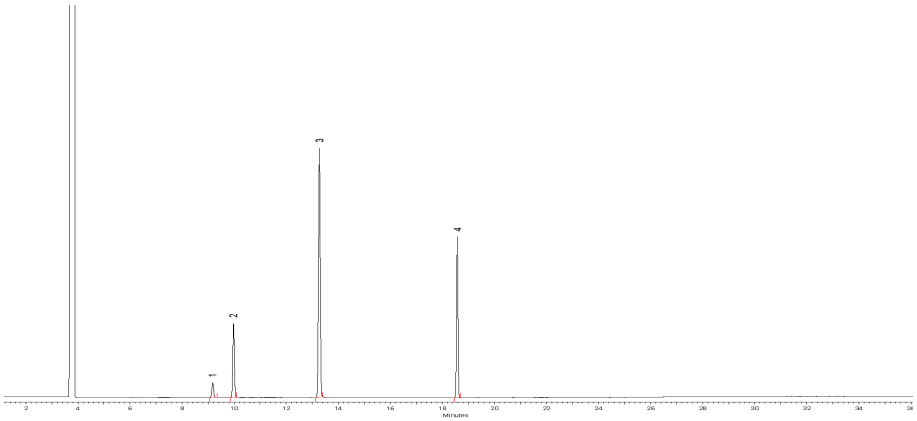
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Richard Zimmerman - Operations Tech I

Date Mixed: 15-Oct-2024 **Balance Serial #** B251644995

John Lidgett - AD Chemist

Date Passed: 23-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_AcetatesV_00084

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577489 **Lot No.:** A0211993

Description : Custom Acetates Standard

Custom Acetates Standard 10,000-50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** -20°C or colder

Ship: On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetonitrile	75-05-8	SHBR1054	99%	50,320.0 µg/mL	+/- 898.1594
2	Vinyl acetate	108-05-4	RD240423RSR	99%	10,060.0 µg/mL	+/- 179.6046
3	Ethyl acetate	141-78-6	SHBQ9682	99%	10,070.0 µg/mL	+/- 179.7831
4	Isopropyl acetate	108-21-4	BCCG7069	99%	10,076.7 µg/mL	+/- 179.9021
5	Propyl acetate	109-60-4	P8XLN	99%	10,070.0 µg/mL	+/- 179.7831
6	Butyl acetate	123-86-4	SHBR2024	99%	10,060.0 µg/mL	+/- 179.6046

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution

immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

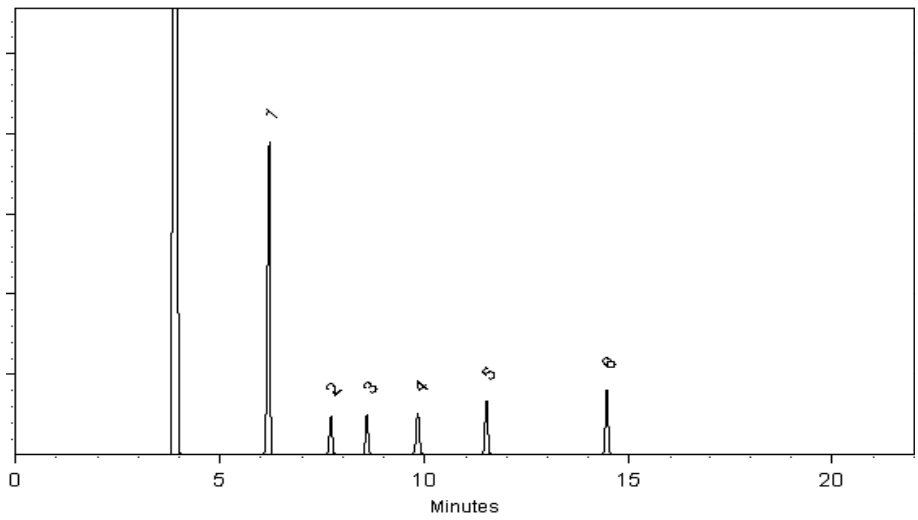
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 24-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_c14dcb_Nt_00004

SIGMA-ALDRICH®
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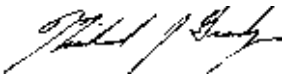
3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
cis-1,4-Dichloro-2-butene - 95%

Product Number:	**195707**
Batch Number:	**SHBH4584V**
Brand:	ALDRICH
CAS Number:	1476-11-5
MDL Number:	MFCD00062950
Formula:	C4H6Cl2
Formula Weight:	125.00 g/mol
Storage Temperature:	Store at 2 - 8 °C
Quality Release Date:	30 AUG 2016

Test	Specification	Result
Appearance (Color)	Colorless to Light Yellow	Very Faint Yellow
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 94.5 %	98.0 %



Michael Grady, Manager
Quality Control
Sheboygan Falls, WI US

Reagent

MSV_CCV_GASES_01047

RESTEK
110 Benner Circle
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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488 **Lot No.:** A0212054

Description : Custom Gases Standard

Custom Gases Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,016.7 µg/mL	+/- 114.0219
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,015.3 µg/mL	+/- 115.0747
3	Vinyl chloride	75-01-4	00015559	99%	2,015.3 µg/mL	+/- 115.4962
4	1,3-Butadiene	106-99-0	00019375	99%	2,020.7 µg/mL	+/- 114.1301
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,025.3 µg/mL	+/- 114.3368
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,023.4 µg/mL	+/- 114.7120
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,019.6 µg/mL	+/- 113.4524
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	877500	99%	2,021.2 µg/mL	+/- 114.0989

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

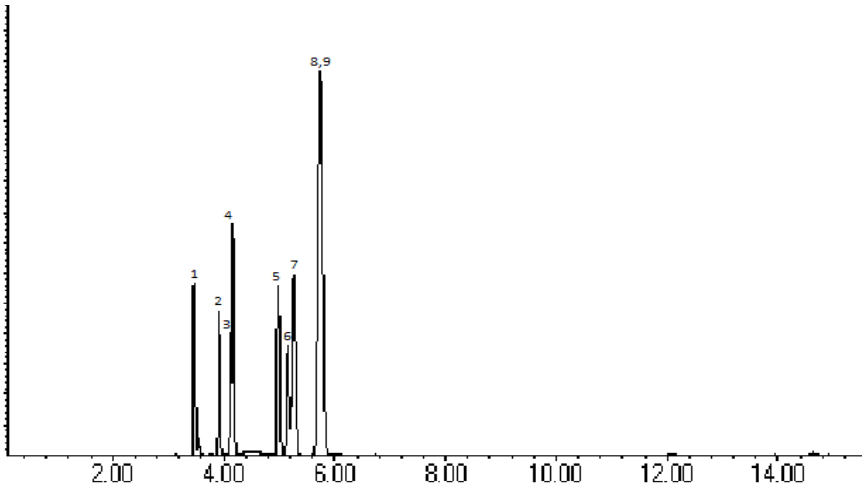
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 28-May-2024 **Balance Serial #** B251644995

Dillan Murphy - Operations Technician I

Date Passed: 03-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_Cus826_IS_00691

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 558267 **Lot No.:** A0203141

Description : Custom 8260A IS Mix

Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,504.0 µg/mL	+/- 155.5359
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,503.5 µg/mL	+/- 31.1565
3	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,502.0 µg/mL	+/- 31.1378
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,504.5 µg/mL	+/- 31.1689

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

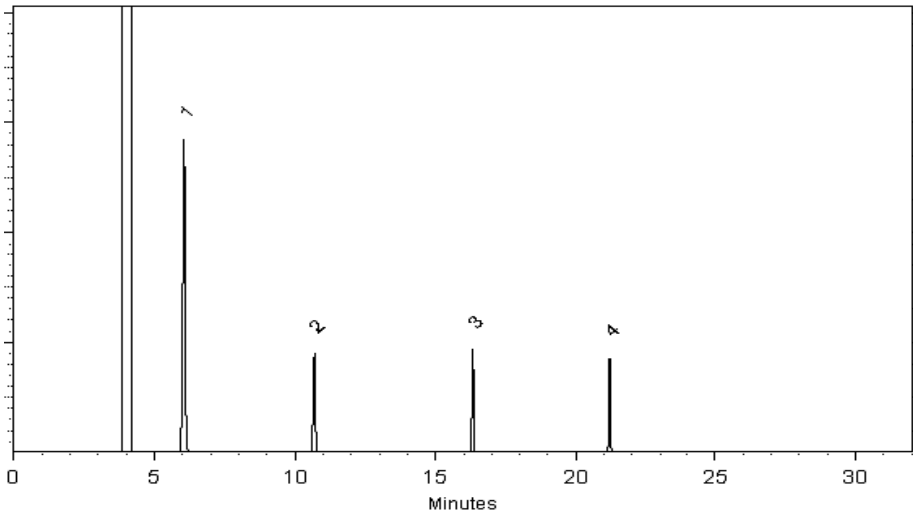
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_Cus826_IS_00734

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 558267 **Lot No.:** A0203141

Description : Custom 8260A IS Mix

Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,504.0 µg/mL	+/- 155.5359
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,503.5 µg/mL	+/- 31.1565
3	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,502.0 µg/mL	+/- 31.1378
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,504.5 µg/mL	+/- 31.1689

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

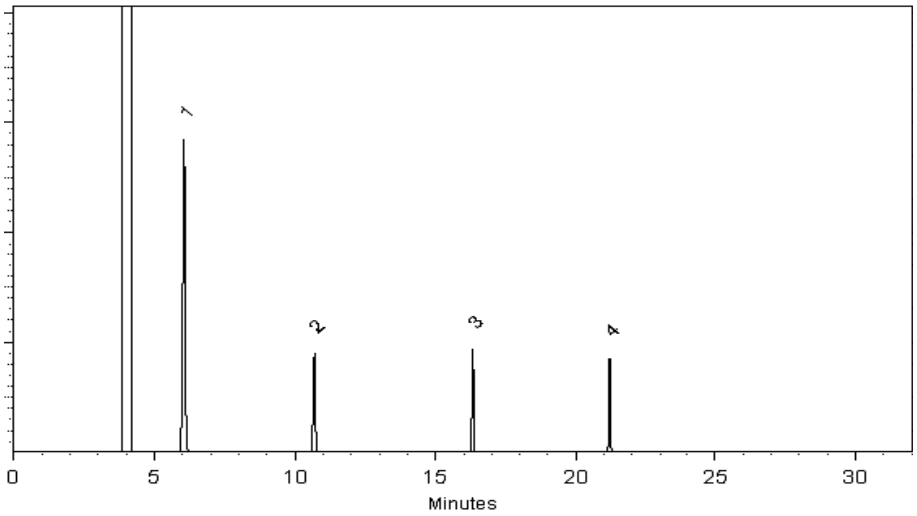
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_EE_Neat_00012

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1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Ethyl ether

CATALOG NUMBER	N-11897-1G
LOT NUMBER	14084700
DATE CERTIFIED	06/08/22
EXPIRATION DATE	06/30/27
CAS NUMBER	60-29-7
MOLECULAR FORMULA	C4H10O
MOLECULAR WEIGHT	74.12
STORAGE	Refrigerator storage (2 - 8 °C)
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	99.5
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Kristin R Jones

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.

PJLA Testing

PJLA Reference Material Producer

COA Form
Revision 3 (3/2015)

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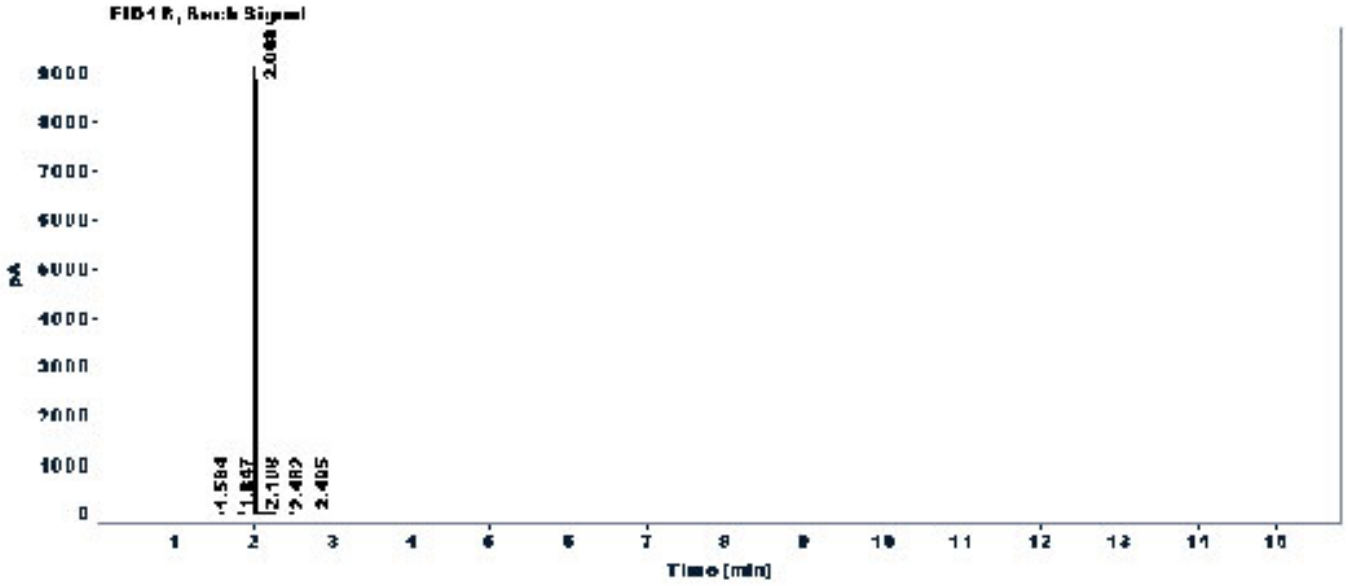
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file:	C:\CHEM32\1\DATA\2022 DATA\0622\ethyl ether.D		
Sample name:	Ethyl ether		
Acq. method:	FRANNY-BACK.M		
Instrument:	GC3	**Location:**	205
Injection date:	6/8/2022 12:35:47 PM	**Injection Vol:**	0.100
Column name:	RTx-5MS (30m x 0.25mm x 0.5µm)	**# Of Injections:**	1



Signal: FID1 B, Back Signal

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1.847	BB	0.0128	3.4389	4.5659	0.0487
2.008	VB S	0.0123	7054.1309	8866.6377	99.8684
2.108	BB T	0.0124	0.6178	0.7662	0.0087
2.462	BV	0.0173	1.5205	1.4371	0.0215
2.495	VB	0.0170	1.4321	1.3951	0.0203
		Sum	7063.4283		

Reagent

MSV_MegaMIX#1_00224

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577486 **Lot No.:** A0211483

Description : Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-dichloroethene	75-35-4	SHBG8609V	99%	5,038.8 µg/mL	+/- 283.8004
2	Methylene chloride (dichloromethane)	75-09-2	231383	99%	5,013.9 µg/mL	+/- 282.3994
3	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	5,020.8 µg/mL	+/- 282.7901
4	1,1-Dichloroethane	75-34-3	852900	99%	5,007.1 µg/mL	+/- 282.0157
5	2,2-Dichloropropane	594-20-7	RP231114CTH	99%	5,045.8 µg/mL	+/- 284.2162
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.3 µg/mL	+/- 284.4180
7	chloroform	67-66-3	SHBN8469	99%	5,032.5 µg/mL	+/- 283.4484
8	Bromochloromethane	74-97-5	S231117RSR	99%	5,043.2 µg/mL	+/- 284.0707
9	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	5,043.7 µg/mL	+/- 284.0785
10	1,1-Dichloropropene	563-58-6	S240215ECS	99%	5,045.2 µg/mL	+/- 284.1833
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,042.8 µg/mL	+/- 284.0292
12	1,2-Dichloroethane	107-06-2	SHBQ5408	99%	5,007.8 µg/mL	+/- 282.0579
13	Benzene	71-43-2	MKCS3357	99%	5,011.2 µg/mL	+/- 282.2682
14	Trichloroethene	79-01-6	SHBQ6161	99%	5,019.9 µg/mL	+/- 282.7408
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,041.1 µg/mL	+/- 283.9307
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,014.1 µg/mL	+/- 282.4134

17	Dibromomethane	74-95-3	107151T06C	99%	5,019.6	µg/mL	+/- 282.7423
18	cis-1,3-Dichloropropene	10061-01-5	RP231025CTH	99%	5,036.1	µg/mL	+/- 283.6490
19	Toluene	108-88-3	MKCS9989	99%	5,027.9	µg/mL	+/- 283.2117
20	trans-1,3-Dichloropropene	10061-02-6	RP231025CTH-1	98%	5,002.6	µg/mL	+/- 281.7640
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,010.4	µg/mL	+/- 282.2022
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,043.1	µg/mL	+/- 284.0660
23	Tetrachloroethene	127-18-4	SHBQ0051	99%	5,014.8	µg/mL	+/- 282.4522
24	dibromochloromethane	124-48-1	MKCT4871	99%	5,042.3	µg/mL	+/- 283.9976
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,041.7	µg/mL	+/- 283.9862
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,013.3	µg/mL	+/- 282.3642
27	1,1,1,2-Tetrachloroethane	630-20-6	TMWGK	99%	5,025.2	µg/mL	+/- 283.0568
28	Ethylbenzene	100-41-4	094632T20F	99%	5,042.0	µg/mL	+/- 284.0050
29	m-Xylene	108-38-3	SHBN6673	99%	5,042.2	µg/mL	+/- 284.0143
30	p-Xylene	106-42-3	SHBP5191	99%	5,038.1	µg/mL	+/- 283.7843
31	o-Xylene	95-47-6	50069309	99%	5,047.2	µg/mL	+/- 284.2960
32	Styrene	100-42-5	MKCQ3390	99%	5,038.9	µg/mL	+/- 283.8313
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,022.8	µg/mL	+/- 282.9253
34	bromoform	75-25-2	050494L04R	99%	5,036.9	µg/mL	+/- 283.6948
35	1,1,2,2-Tetrachloroethane	79-34-5	QQJ4I	99%	5,032.5	µg/mL	+/- 283.4484
36	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	5,042.7	µg/mL	+/- 284.0428
37	n-Propylbenzene	103-65-1	095067T18C	99%	5,028.8	µg/mL	+/- 283.2586
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,026.8	µg/mL	+/- 283.1460
39	1,3,5-Trimethylbenzene	108-67-8	BCCH6852	99%	5,023.1	µg/mL	+/- 282.9394
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,028.7	µg/mL	+/- 283.2539
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,043.9	µg/mL	+/- 284.1129
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.3	µg/mL	+/- 284.3054
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,046.3	µg/mL	+/- 284.2490
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,044.3	µg/mL	+/- 284.1364
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCS1827	99%	5,035.8	µg/mL	+/- 283.6576
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,034.6	µg/mL	+/- 283.5646
47	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	5,015.5	µg/mL	+/- 282.4909
48	n-Butylbenzene	104-51-8	09418JJ	99%	5,034.7	µg/mL	+/- 283.5919
49	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	5,012.9	µg/mL	+/- 282.3466
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,029.4	µg/mL	+/- 283.2935
51	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	5,042.1	µg/mL	+/- 284.0096
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,023.4	µg/mL	+/- 282.9582

53	Naphthalene	91-20-3	STBL1057	99%	5,008.3	µg/mL	+/-	282.1039
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,037.8	µg/mL	+/-	283.7656

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

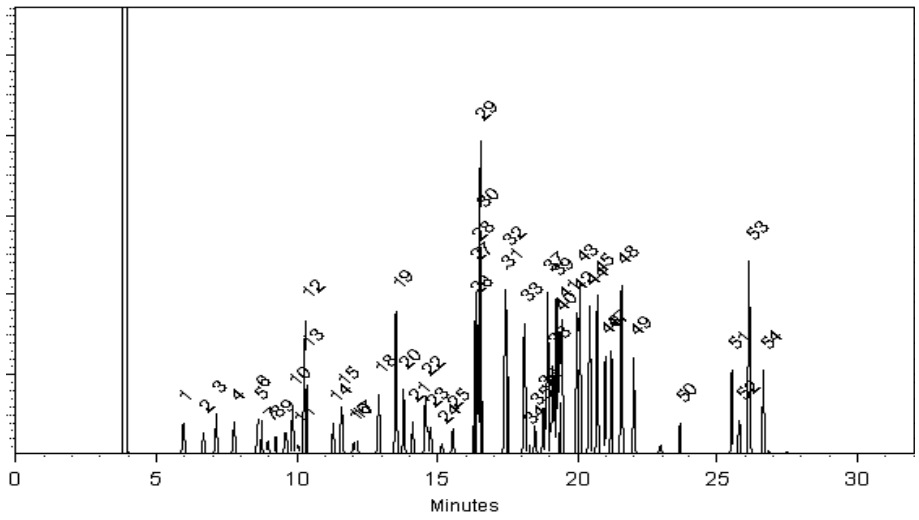
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 15-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_MegaMix#2_00227

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577487 **Lot No.:** A0212010

Description : Custom VOC MegaMix® #2 Standard

Custom VOC MegaMix® #2 Standard 5000-62500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0	STBK5006	99%	5,041.0 µg/mL	+/- 84.9562
2	2-Propanol (isopropanol)	67-63-0	SHBR1699	99%	25,199.0 µg/mL	+/- 412.0520
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00009482	99%	5,039.2 µg/mL	+/- 84.9253
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,207.0 µg/mL	+/- 412.1828
5	Methyl acetate	79-20-9	SHBP3100	99%	5,037.0 µg/mL	+/- 84.8888
6	Iodomethane (methyl iodide)	74-88-4	RD240405RSR	99%	5,048.3 µg/mL	+/- 85.0798
7	Allyl chloride (3-chloropropene)	107-05-1	RD240221ECS	99%	5,046.7 µg/mL	+/- 85.0517
8	Carbon disulfide	75-15-0	Q30J743	99%	5,036.0 µg/mL	+/- 84.8719
9	Acrylonitrile	107-13-1	MKCN8129	99%	12,598.0 µg/mL	+/- 206.0015
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBQ4873	99%	5,040.7 µg/mL	+/- 84.9506
11	n-Hexane (C6)	110-54-3	102412P22T	99%	5,042.5 µg/mL	+/- 84.9815
12	Diisopropyl ether (DIPE)	108-20-3	STBK8028	99%	5,042.7 µg/mL	+/- 84.9843
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S240508RSR	99%	5,049.7 µg/mL	+/- 85.1023
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCT4522	98%	5,049.9 µg/mL	+/- 85.1069
15	Propionitrile	107-12-0	BCCH7430	99%	25,211.0 µg/mL	+/- 412.2482
16	Methacrylonitrile	126-98-7	1012014	99%	12,613.0 µg/mL	+/- 206.2467

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBR1206	99%	63,123.0	µg/mL	+/-	1,032.1821
18	Tetrahydrofuran	109-99-9	SHBQ8516	99%	25,247.0	µg/mL	+/-	412.8369
19	Cyclohexane	110-82-7	MKCS9749	99%	5,046.2	µg/mL	+/-	85.0433
20	1-Butanol	71-36-3	101601K21K	99%	63,110.0	µg/mL	+/-	1,031.9695
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,038.5	µg/mL	+/-	84.9141
22	n-Heptane (C7)	142-82-5	044743T03G	99%	5,049.2	µg/mL	+/-	85.0938
23	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	5,038.8	µg/mL	+/-	84.9196
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,044.8	µg/mL	+/-	85.0208
25	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,048.0	µg/mL	+/-	85.0742
26	1,4-Dioxane	123-91-1	SHBQ2407	99%	63,103.0	µg/mL	+/-	1,031.8550
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,238.4	µg/mL	+/-	412.6967
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,046.9	µg/mL	+/-	85.0558
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,044.5	µg/mL	+/-	85.0152
30	trans-1,4-dichloro-2-butene	110-57-6	RP240130CTH	98%	12,602.8	µg/mL	+/-	206.0799
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	5,043.7	µg/mL	+/-	85.0012
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,048.3	µg/mL	+/-	85.0798
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,039.8	µg/mL	+/-	84.9365
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,048.2	µg/mL	+/-	85.0770
35	1,2-Diethylbenzene	135-01-3	BCCG9282	99%	5,049.3	µg/mL	+/-	85.0967
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,046.3	µg/mL	+/-	85.0461
37	2-Methylnaphthalene	91-57-6	STBL3028	99%	5,045.0	µg/mL	+/-	85.0236

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

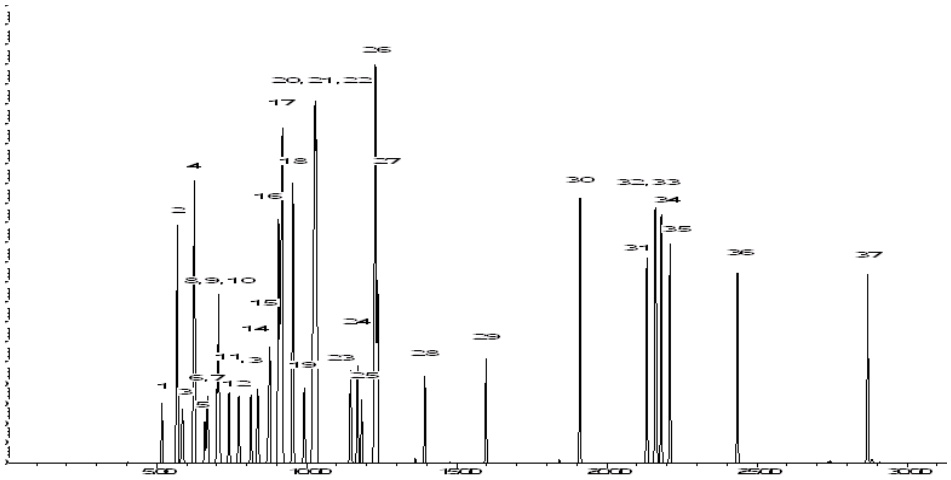
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 24-May-2024 **Balance Serial #** B251644995

Marlina Cowan -- Operations Tech II ARM QC

Date Passed: 30-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_QC_2K_GAS_00290

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488.SEC **Lot No.:** A0211460

Description : Custom Gases.SEC Standard

Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28888	99%	2,002.3 µg/mL	+/- 116.3467
2	Chloromethane (methyl chloride)	74-87-3.SEC	00022694	99%	2,014.2 µg/mL	+/- 117.1824
3	Vinyl chloride	75-01-4 *	00015559	99%	2,009.3 µg/mL	+/- 117.9630
4	1,3-Butadiene	106-99-0.SEC	28539	99%	2,030.2 µg/mL	+/- 117.6986
5	Bromomethane (methyl bromide)	74-83-9 *	00017022	99%	2,017.1 µg/mL	+/- 136.9230
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,005.3 µg/mL	+/- 122.7081
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14485600	90%	2,016.0 µg/mL	+/- 113.2616
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,020.0 µg/mL	+/- 113.4863
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4 *	877500	99%	2,005.1 µg/mL	+/- 115.4133

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

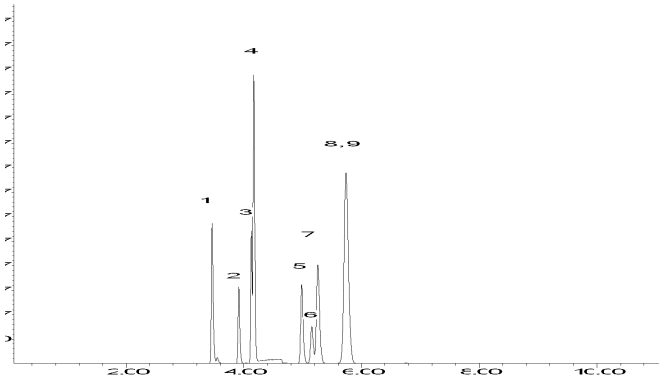
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_QC_2K_GAS_00310

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488.SEC **Lot No.:** A0211460

Description : Custom Gases.SEC Standard

Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28888	99%	2,002.3 µg/mL	+/- 116.3467
2	Chloromethane (methyl chloride)	74-87-3.SEC	00022694	99%	2,014.2 µg/mL	+/- 117.1824
3	Vinyl chloride	75-01-4 *	00015559	99%	2,009.3 µg/mL	+/- 117.9630
4	1,3-Butadiene	106-99-0.SEC	28539	99%	2,030.2 µg/mL	+/- 117.6986
5	Bromomethane (methyl bromide)	74-83-9 *	00017022	99%	2,017.1 µg/mL	+/- 136.9230
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,005.3 µg/mL	+/- 122.7081
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14485600	90%	2,016.0 µg/mL	+/- 113.2616
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,020.0 µg/mL	+/- 113.4863
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4 *	877500	99%	2,005.1 µg/mL	+/- 115.4133

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

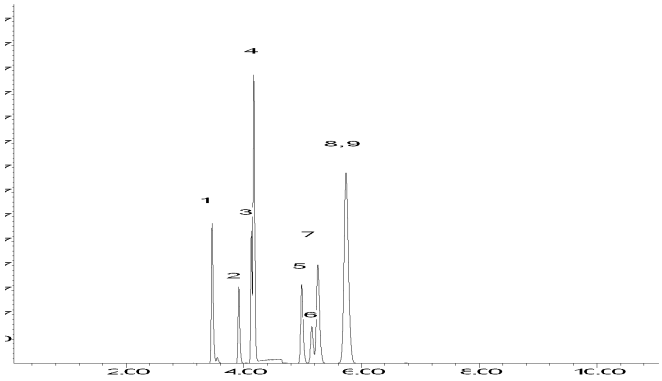
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_2CLEVE_00226

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577492 **Lot No.:** A0211425

Description : Custom 2-CEVE Standard

Custom 2-CEVE Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Chloroethyl vinyl ether	110-75-8	MKBS6526V	99%	5,044.0 µg/mL	+/- 62.7735

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

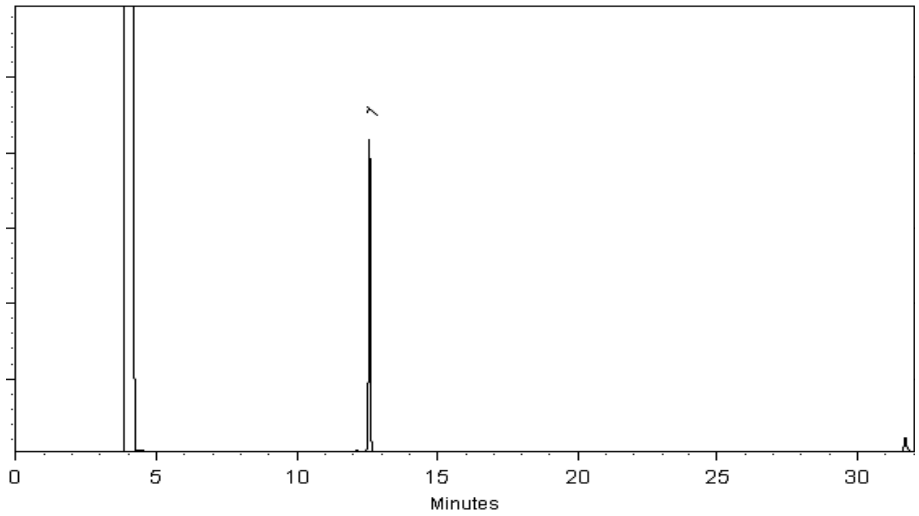
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 14-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_Ketones_00175

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0193494

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	12,581.8 µg/mL	+/- 434.7671
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	12,578.5 µg/mL	+/- 434.6548
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	12,602.3 µg/mL	+/- 435.4755
4	2-Hexanone	591-78-6	MKCQ6663	99%	12,587.5 µg/mL	+/- 434.9658

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

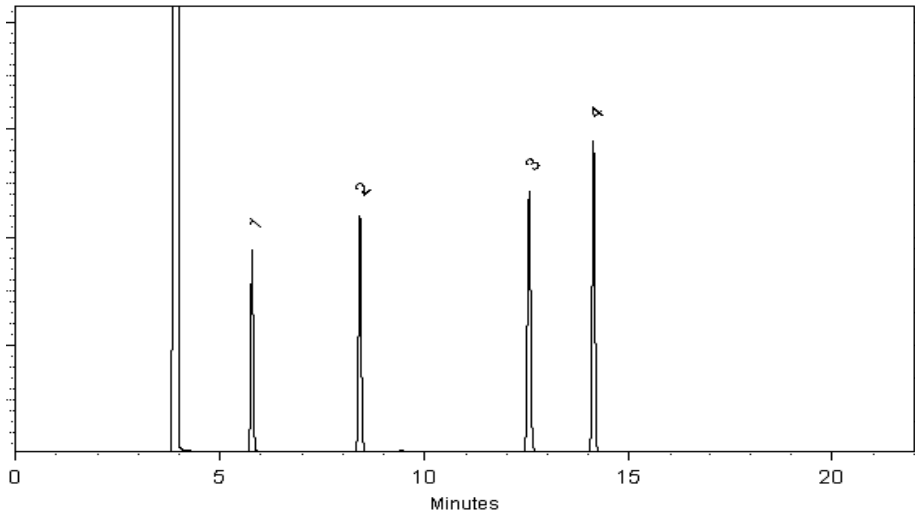
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Bethany Lowery - Operations Tech I

Date Mixed: 12-Jan-2023 **Balance Serial #** B251644995

Christie Mills - Operations Tech II - ARM QC

Date Passed: 16-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_Ketones_00218

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0210935

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	12,591.3 µg/mL	+/- 435.1857
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,561.0 µg/mL	+/- 434.1373
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,580.0 µg/mL	+/- 434.7940
4	2-Hexanone	591-78-6	MKCV1997	99%	12,580.7 µg/mL	+/- 434.8170

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

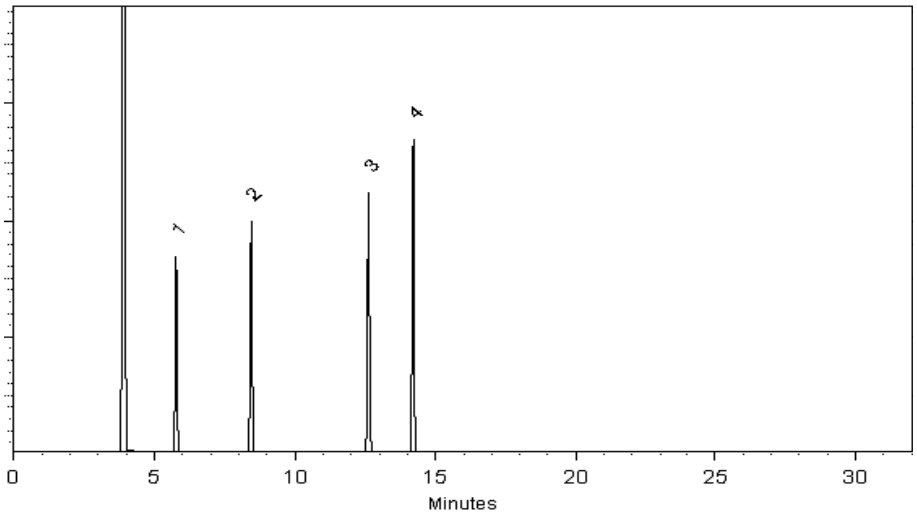
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 30-Apr-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_PentaCL_00055

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577491 **Lot No.:** A0197490

Description : Custom Pentachloroethane Standard

Custom Pentachloroethane Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachloroethane	76-01-7	13550700	97%	5,011.0 µg/mL	+/- 281.5258

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

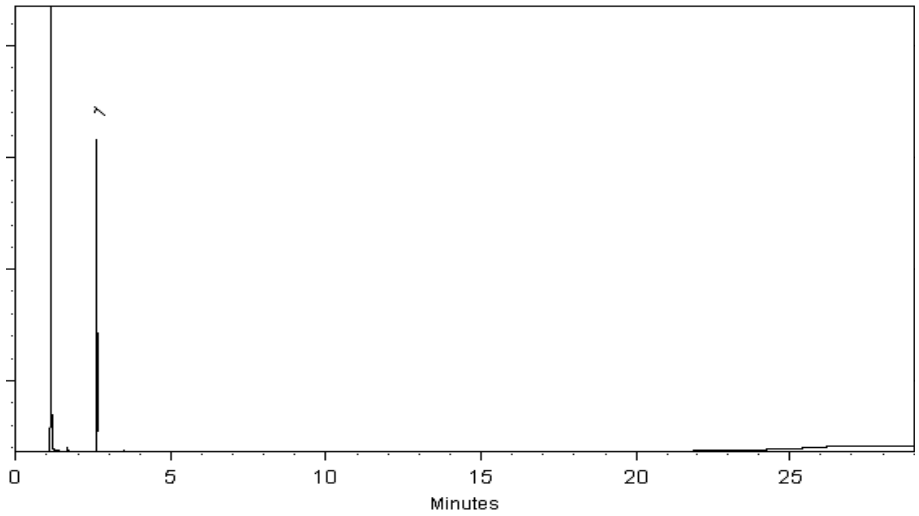
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Nick Yaw - Operations Tech I

Date Mixed: 26-Apr-2023 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_SMFreon_00065

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Reference Material Producer
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ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577490 **Lot No.:** A0197864

Description : Custom SM Freons Standard

Custom SM Freons Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlorotrifluoroethylene	79-38-9	202600	99%	1,999.9 µg/mL	+/- 116.8216
2	Chlorodifluoromethane (CFC-22)	75-45-6	Q162-44	99%	2,004.5 µg/mL	+/- 121.9609
3	2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	75-88-7	Q157-146	99%	1,991.8 µg/mL	+/- 129.5770

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

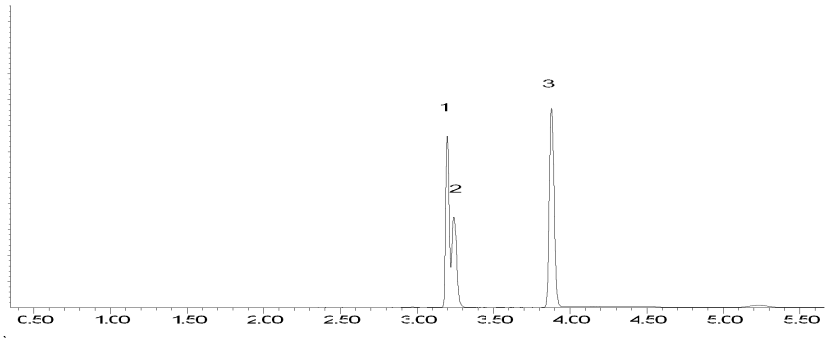
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 09-May-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Method 8260D

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): R-624SilMS 3 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
HD-MW-5-0/1-0	410-229795-1	95	94	109	99
HD-MW-6-0/1-0	410-229795-2	93	95	108	99
HD-MW-88-0/1-0	410-229795-3	93	94	108	99
HD-MW-101S-0/1-0	410-229795-4	93	95	107	100
HD-MW-101D-0/1-0	410-229795-5	95	97	106	96
HD-QC1-0/1-3	410-229795-6	94	94	107	99
HD-QC1-0/1-4	410-229795-7	94	94	107	100
	MB 410-667432/7	93	96	108	99
	LCS 410-667432/4	93	98	108	101
	LCSD 410-667432/5	93	96	106	98

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	80-120
DCA = 1,2-Dichloroethane-d4 (Surr)	80-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	80-120

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4L07X12.D

Lab ID: LCS 410-667432/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	17.8	89	79-120	
1,1,1-Trichloroethane	20.0	17.1	85	73-120	
1,1,2,2-Tetrachloroethane	20.0	21.9	109	72-120	
1,1,2-Trichloroethane	20.0	20.4	102	80-120	
1,1-Dichloroethane	20.0	21.3	107	80-120	
1,1-Dichloroethene	20.0	19.5	98	80-131	
1,2-Dibromoethane (EDB)	20.0	19.6	98	77-120	
1,2-Dichloroethane	20.0	18.2	91	73-124	
1,2-Dichloropropane	20.0	20.2	101	80-120	
2-Butanone (MEK)	250	241	96	59-135	
2-Hexanone	250	253	101	56-135	
4-Methyl-2-pentanone (MIBK)	250	228	91	62-133	
Acetone	250	268	107	57-143	
Benzene	20.0	19.5	97	80-120	
Bromochloromethane	20.0	17.1	85	80-120	
Bromodichloromethane	20.0	17.6	88	71-120	
Bromoform	20.0	15.5	77	51-120	
Bromomethane	20.0	17.4	87	53-128	
Carbon disulfide	20.0	17.9	90	65-128	
Carbon tetrachloride	20.0	16.0	80	64-134	
Chlorobenzene	20.0	19.6	98	80-120	
Chloroethane	20.0	21.3	107	55-123	
Chloroform	20.0	18.3	92	80-120	
Chloromethane	20.0	19.8	99	39-134	
cis-1,2-Dichloroethene	20.0	18.6	93	80-125	
cis-1,3-Dichloropropene	20.0	18.6	93	75-120	
Dibromochloromethane	20.0	17.3	87	71-120	
Ethylbenzene	20.0	19.5	98	80-120	
Methyl tert-butyl ether	20.0	20.0	100	69-122	
Methylene Chloride	20.0	20.1	100	80-120	
Styrene	20.0	18.6	93	80-120	
Tetrachloroethene	20.0	17.3	87	80-120	
Toluene	20.0	20.2	101	80-120	
trans-1,2-Dichloroethene	20.0	19.4	97	80-126	
trans-1,3-Dichloropropene	20.0	20.3	101	67-120	
Trichloroethene	20.0	18.2	91	80-120	
Vinyl chloride	20.0	19.7	98	56-120	
Xylenes, Total	60.0	56.1	93	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4L07X13.D

Lab ID: LCSD 410-667432/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	17.8	89	0	30	79-120	
1,1,1-Trichloroethane	20.0	16.9	85	1	30	73-120	
1,1,2,2-Tetrachloroethane	20.0	22.1	110	1	30	72-120	
1,1,2-Trichloroethane	20.0	19.6	98	4	30	80-120	
1,1-Dichloroethane	20.0	20.7	103	3	30	80-120	
1,1-Dichloroethene	20.0	19.4	97	1	30	80-131	
1,2-Dibromoethane (EDB)	20.0	19.1	95	3	30	77-120	
1,2-Dichloroethane	20.0	18.0	90	1	30	73-124	
1,2-Dichloropropane	20.0	19.3	96	5	30	80-120	
2-Butanone (MEK)	250	247	99	3	30	59-135	
2-Hexanone	250	251	101	1	30	56-135	
4-Methyl-2-pentanone (MIBK)	250	229	92	1	30	62-133	
Acetone	250	264	105	2	30	57-143	
Benzene	20.0	19.3	97	1	30	80-120	
Bromochloromethane	20.0	16.7	83	2	30	80-120	
Bromodichloromethane	20.0	17.2	86	3	30	71-120	
Bromoform	20.0	15.1	76	2	30	51-120	
Bromomethane	20.0	18.3	91	5	30	53-128	
Carbon disulfide	20.0	17.8	89	1	30	65-128	
Carbon tetrachloride	20.0	15.8	79	1	30	64-134	
Chlorobenzene	20.0	18.7	93	5	30	80-120	
Chloroethane	20.0	21.2	106	1	30	55-123	
Chloroform	20.0	17.9	89	3	30	80-120	
Chloromethane	20.0	20.3	102	2	30	39-134	
cis-1,2-Dichloroethene	20.0	18.7	94	1	30	80-125	
cis-1,3-Dichloropropene	20.0	18.0	90	3	30	75-120	
Dibromochloromethane	20.0	16.8	84	3	30	71-120	
Ethylbenzene	20.0	18.9	94	3	30	80-120	
Methyl tert-butyl ether	20.0	20.0	100	0	30	69-122	
Methylene Chloride	20.0	20.2	101	1	30	80-120	
Styrene	20.0	18.2	91	2	30	80-120	
Tetrachloroethene	20.0	16.9	84	2	30	80-120	
Toluene	20.0	19.8	99	2	30	80-120	
trans-1,2-Dichloroethene	20.0	19.3	97	1	30	80-126	
trans-1,3-Dichloropropene	20.0	19.5	98	4	30	67-120	
Trichloroethene	20.0	18.4	92	1	30	80-120	
Vinyl chloride	20.0	19.7	98	0	30	56-120	
Xylenes, Total	60.0	54.5	91	3	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Lab File ID: 4L07X15.D Lab Sample ID: MB 410-667432/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: 23297 Date Analyzed: 07/07/2025 13:13

GC Column: R-624SilMS 30m ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-667432/4	4L07X12.D	07/07/2025 12:05
	LCSD 410-667432/5	4L07X13.D	07/07/2025 12:28
HD-MW-5-0/1-0	410-229795-1	4L07X29.D	07/07/2025 18:30
HD-MW-6-0/1-0	410-229795-2	4L07X30.D	07/07/2025 18:53
HD-MW-88-0/1-0	410-229795-3	4L07X31.D	07/07/2025 19:15
HD-MW-101S-0/1-0	410-229795-4	4L07X32.D	07/07/2025 19:38
HD-MW-101D-0/1-0	410-229795-5	4L07X33.D	07/07/2025 20:01
HD-QC1-0/1-3	410-229795-6	4L07X34.D	07/07/2025 20:23
HD-QC1-0/1-4	410-229795-7	4L07X35.D	07/07/2025 20:46

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Lab File ID: 4M17T02.D BFB Injection Date: 03/17/2025

Instrument ID: 23297 BFB Injection Time: 14:04

Analysis Batch No.: 617813

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	100.0 (119.7) 1
96	5 - 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0) 1
174	50 - 200% of m/z 95	83.5
175	5 - 9% of m/z 174	6.6 (7.9) 1
176	95 -105% of m/z 174	80.9 (96.8) 1
177	5 - 10% of m/z 176	5.5 (6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-617813/3	4M17X02.D	03/17/2025	14:42
	IC 410-617813/4	4M17X03.D	03/17/2025	15:05
	IC 410-617813/5	4M17X04.D	03/17/2025	15:27
	IC 410-617813/6	4M17X05.D	03/17/2025	15:50
	IC 410-617813/7	4M17X06.D	03/17/2025	16:13
	IC 410-617813/8	4M17X07.D	03/17/2025	16:35
	IC 410-617813/12	4M17X11.D	03/17/2025	18:05
	IC 410-617813/13	4M17X12.D	03/17/2025	18:28
	IC 410-617813/14	4M17X13.D	03/17/2025	18:50
	IC 410-617813/15	4M17X14.D	03/17/2025	19:13
	ICIS 410-617813/16	4M17X15.D	03/17/2025	19:36
	IC 410-617813/17	4M17X16.D	03/17/2025	19:58
	IC 410-617813/18	4M17X17.D	03/17/2025	20:21
	ICV 410-617813/20	4M17X19.D	03/17/2025	21:06

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Lab File ID: 4L07T05.D BFB Injection Date: 07/07/2025

Instrument ID: 23297 BFB Injection Time: 10:46

Analysis Batch No.: 667432

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	100.0 (129.7) 1
96	5 - 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.0 (0.0) 1
174	50 - 200% of m/z 95	77.1
175	5 - 9% of m/z 174	5.7 (7.4) 1
176	95 -105% of m/z 174	74.1 (96.1) 1
177	5 - 10% of m/z 176	4.9 (6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-667432/3	4L07X11.D	07/07/2025	11:43
	LCS 410-667432/4	4L07X12.D	07/07/2025	12:05
	LCSD 410-667432/5	4L07X13.D	07/07/2025	12:28
	MB 410-667432/7	4L07X15.D	07/07/2025	13:13
HD-MW-5-0/1-0	410-229795-1	4L07X29.D	07/07/2025	18:30
HD-MW-6-0/1-0	410-229795-2	4L07X30.D	07/07/2025	18:53
HD-MW-88-0/1-0	410-229795-3	4L07X31.D	07/07/2025	19:15
HD-MW-101S-0/1-0	410-229795-4	4L07X32.D	07/07/2025	19:38
HD-MW-101D-0/1-0	410-229795-5	4L07X33.D	07/07/2025	20:01
HD-QC1-0/1-3	410-229795-6	4L07X34.D	07/07/2025	20:23
HD-QC1-0/1-4	410-229795-7	4L07X35.D	07/07/2025	20:46

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Sample No.: ICIS 410-617813/16 Date Analyzed: 03/17/2025 19:36

Instrument ID: 23297 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): 4M17X15.D Heated Purge: (Y/N) N

Calibration ID: 70730

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		483744	3.81	954497	7.26	697596	10.87
UPPER LIMIT		967488	4.31	1908994	7.76	1395192	11.37
LOWER LIMIT		241872	3.31	477249	6.76	348798	10.37
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-617813/20		440751	3.83	947610	7.25	694894	10.87
CCVIS 410-667432/3		429021	3.80	948039	7.26	626760	10.87

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Sample No.: ICIS 410-617813/16 Date Analyzed: 03/17/2025 19:36

Instrument ID: 23297 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): 4M17X15.D Heated Purge: (Y/N) N

Calibration ID: 70730

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		419372	12.78				
UPPER LIMIT		838744	13.28				
LOWER LIMIT		209686	12.28				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-617813/20		426027	12.78				
CCVIS 410-667432/3		339013	12.78				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Sample No.: CCVIS 410-667432/3 Date Analyzed: 07/07/2025 11:43

Instrument ID: 23297 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): 4L07X11.D Heated Purge: (Y/N) N

Calibration ID: 70730

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		429021	3.80	948039	7.26	626760	10.87
UPPER LIMIT		858042	4.30	1896078	7.76	1253520	11.37
LOWER LIMIT		214511	3.30	474020	6.76	313380	10.37
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-667432/4		467556	3.82	984703	7.26	650965	10.87
LCSD 410-667432/5		450534	3.82	956509	7.26	638491	10.87
MB 410-667432/7		418810	3.80	900815	7.25	568686	10.87
410-229795-1	HD-MW-5-0/1-0	424170	3.79	879616	7.26	569974	10.87
410-229795-2	HD-MW-6-0/1-0	441319	3.78	882641	7.26	574155	10.87
410-229795-3	HD-MW-88-0/1-0	408829	3.79	839422	7.26	539365	10.87
410-229795-4	HD-MW-101S-0/1-0	430994	3.80	910096	7.26	594217	10.87
410-229795-5	HD-MW-101D-0/1-0	447850	3.80	900932	7.26	601047	10.87
410-229795-6	HD-QC1-0/1-3	432013	3.78	877188	7.26	579360	10.87
410-229795-7	HD-QC1-0/1-4	424598	3.78	886121	7.25	574275	10.87

TBAd10 = t-Butyl alcohol-d10 (IS)
TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Sample No.: CCVIS 410-667432/3 Date Analyzed: 07/07/2025 11:43

Instrument ID: 23297 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): 4L07X11.D Heated Purge: (Y/N) N

Calibration ID: 70730

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		339013	12.78				
UPPER LIMIT		678026	13.28				
LOWER LIMIT		169507	12.28				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-667432/4		360510	12.78				
LCSD 410-667432/5		348037	12.78				
MB 410-667432/7		314737	12.78				
410-229795-1	HD-MW-5-0/1-0	316813	12.78				
410-229795-2	HD-MW-6-0/1-0	307857	12.78				
410-229795-3	HD-MW-88-0/1-0	295477	12.79				
410-229795-4	HD-MW-101S-0/1-0	325011	12.78				
410-229795-5	HD-MW-101D-0/1-0	328136	12.78				
410-229795-6	HD-QC1-0/1-3	308963	12.78				
410-229795-7	HD-QC1-0/1-4	316613	12.78				

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID: HD-MW-5-0/1-0
Lab Sample ID: 410-229795-1

Matrix: Water
Lab File ID: 4L07X29.D

Analysis Method: 8260D
Date Collected: 06/24/2025 12:43

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 18:30

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND	^c cn	20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND	^c cn	1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	1.5		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID: HD-MW-5-0/1-0
Lab Sample ID: 410-229795-1

Matrix: Water
Lab File ID: 4L07X29.D

Analysis Method: 8260D
Date Collected: 06/24/2025 12:43

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 18:30

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	109		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X29.D
Lims ID: 410-229795-A-1
Client ID: HD-MW-5-0/1-0
Sample Type: Client
Inject. Date: 07-Jul-2025 18:30:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0152552-020
Operator ID: clm27445 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 08-Jul-2025 11:09:29 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: N9NA Date: 08-Jul-2025 11:09:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.964				ND	
6 Vinyl chloride	62		2.056				ND	
8 Bromomethane	94		2.372				ND	7
9 Chloroethane	64		2.427				ND	
17 1,1-Dichloroethene	96		3.187				ND	
18 Acetone	58		3.199				ND	
22 Carbon disulfide	76		3.455				ND	
26 Methylene Chloride	84		3.765				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	3.790	3.796	-0.006	44	424170	250.0	
32 Methyl tert-butyl ether	73		4.130				ND	
31 trans-1,2-Dichloroethene	96		4.136				ND	
35 1,1-Dichloroethane	63		4.787				ND	
40 2-Butanone (MEK)	43		5.615				ND	U
41 cis-1,2-Dichloroethene	96	5.645	5.633	0.012	80	7468	1.47	
48 Chlorobromomethane	128		5.973				ND	
50 Chloroform	83		6.132				ND	
$ 52 Dibromofluoromethane (Surr)	113	6.351	6.351	0.000	93	216166	47.3	
53 1,1,1-Trichloroethane	97		6.363				ND	
55 Carbon tetrachloride	117		6.576				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.807	6.807	0.000	37	51854	47.2	
59 Benzene	78		6.843				ND	
60 1,2-Dichloroethane	62		6.916				ND	
* 63 Fluorobenzene (IS)	96	7.257	7.263	-0.006	99	879616	50.0	
66 Trichloroethene	95		7.750				ND	U
70 1,2-Dichloropropane	63		8.078				ND	
77 Dichlorobromomethane	83		8.431				ND	
80 cis-1,3-Dichloropropene	75		9.003				ND	
81 4-Methyl-2-pentanone (MIBK)	43		9.198				ND	
$ 82 Toluene-d8 (Surr)	98	9.338	9.338	0.000	93	847831	54.6	
87 Toluene	92		9.417				ND	
88 trans-1,3-Dichloropropene	75		9.697				ND	
94 1,1,2-Trichloroethane	97		9.910				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
99 Tetrachloroethene	166		10.001				ND	
107 2-Hexanone	43		10.147				ND	
120 Chlorodibromomethane	129		10.299				ND	
124 Ethylene Dibromide	107		10.408				ND	
* 127 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	87	569974	50.0	
131 Chlorobenzene	112		10.889				ND	
133 1,1,1,2-Tetrachloroethane	131		10.974				ND	
134 Ethylbenzene	91		10.986				ND	
136 m-Xylene & p-Xylene	106		11.102				ND	
S 137 Xylenes, Total	106		11.245				ND	7
139 o-Xylene	106		11.443				ND	
140 Styrene	104		11.455				ND	
141 Bromoform	173		11.607				ND	
$ 146 4-Bromofluorobenzene (Surr)	95	11.893	11.893	0.000	88	280823	49.5	
147 1,1,2,2-Tetrachloroethane	83		11.996				ND	
* 163 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	95	316813	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

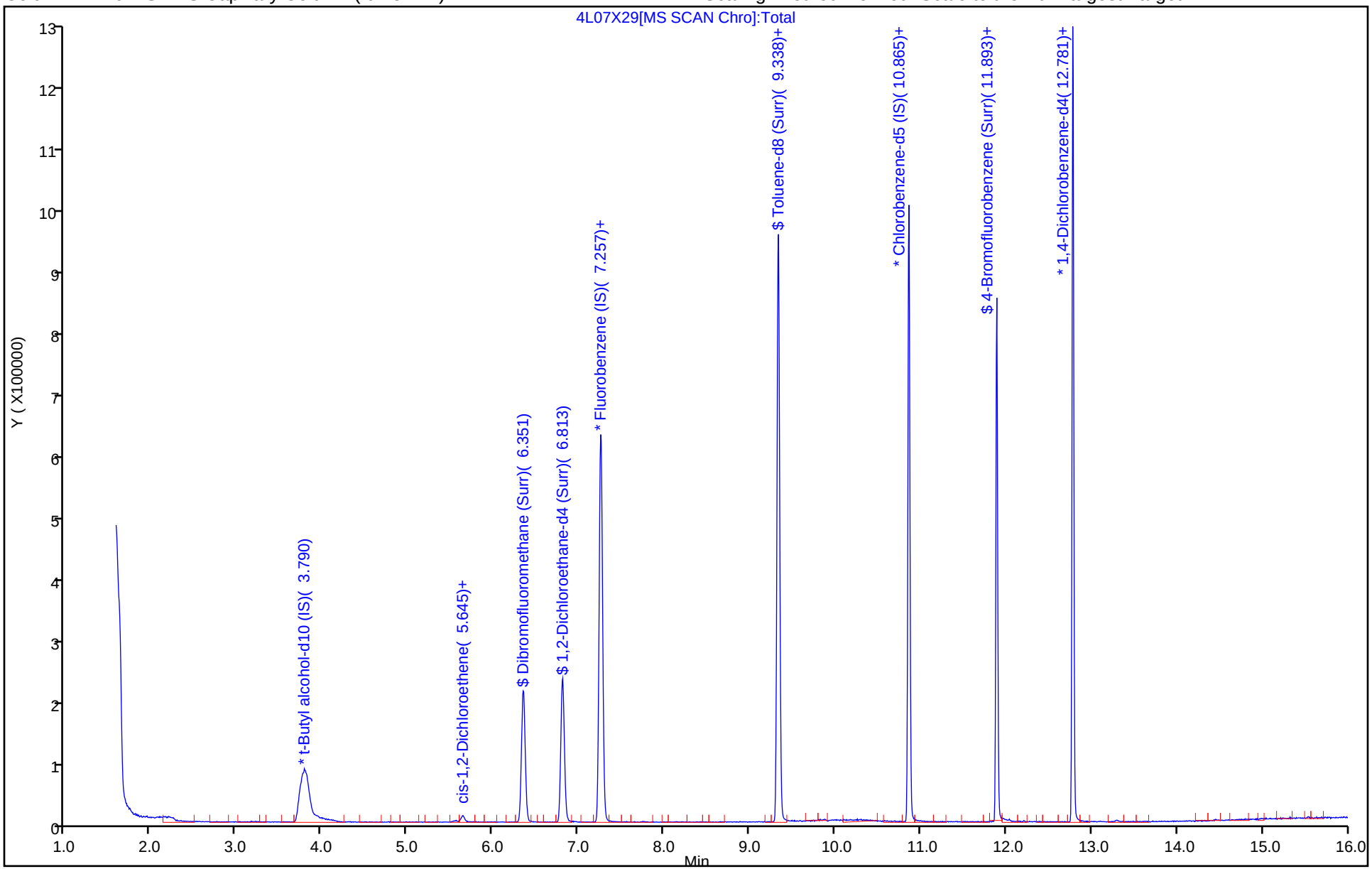
MSV_HP04_ISSS_00005 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 08-Jul-2025 11:09:30 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X29.D				
Injection Date:	07-Jul-2025 18:30:30	Instrument ID:	23297	Operator ID:	clm27445
Lims ID:	410-229795-A-1	Lab Sample ID:	410-229795-1	Worklist Smp#:	20
Client ID:	HD-MW-5-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X29.D				
Lims ID:	410-229795-A-1				
Client ID:	HD-MW-5-0/1-0				
Sample Type:	Client				
Inject. Date:	07-Jul-2025 18:30:30	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0152552-020				
Operator ID:	clm27445	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	08-Jul-2025 11:09:29	Calib Date:	17-Mar-2025 20:21:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1625				

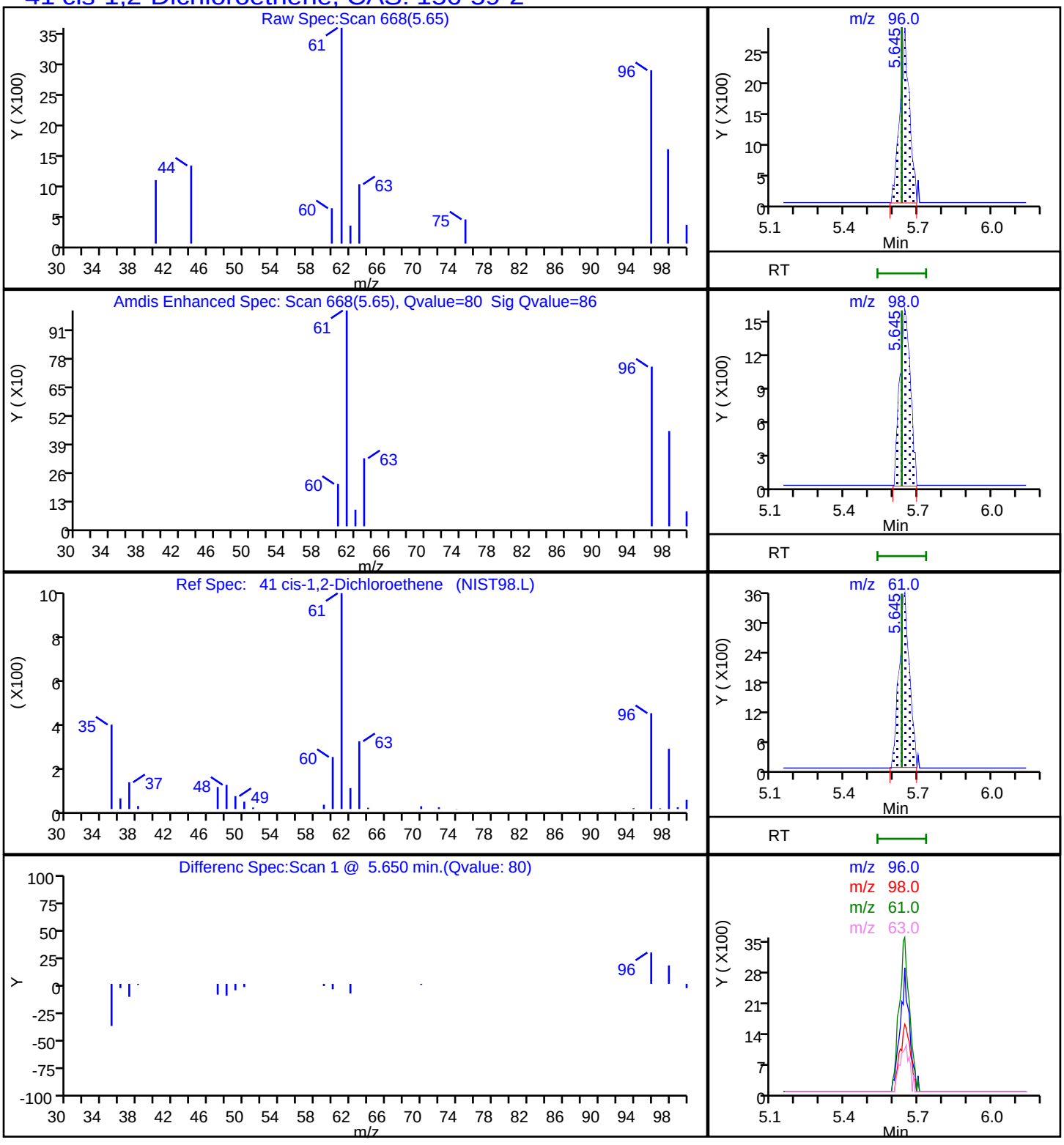
First Level Reviewer: N9NA Date: 08-Jul-2025 11:09:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	47.3	94.60
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	47.2	94.36
$ 82 Toluene-d8 (Surr)	50.0	54.6	109.20
$ 146 4-Bromofluorobenzene (Surr)	50.0	49.5	98.91

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X29.D
Injection Date: 07-Jul-2025 18:30:30 Instrument ID: 23297
Lims ID: 410-229795-A-1 Lab Sample ID: 410-229795-1
Client ID: HD-MW-5-0/1-0
Operator ID: clm27445 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

41 cis-1,2-Dichloroethene, CAS: 156-59-2



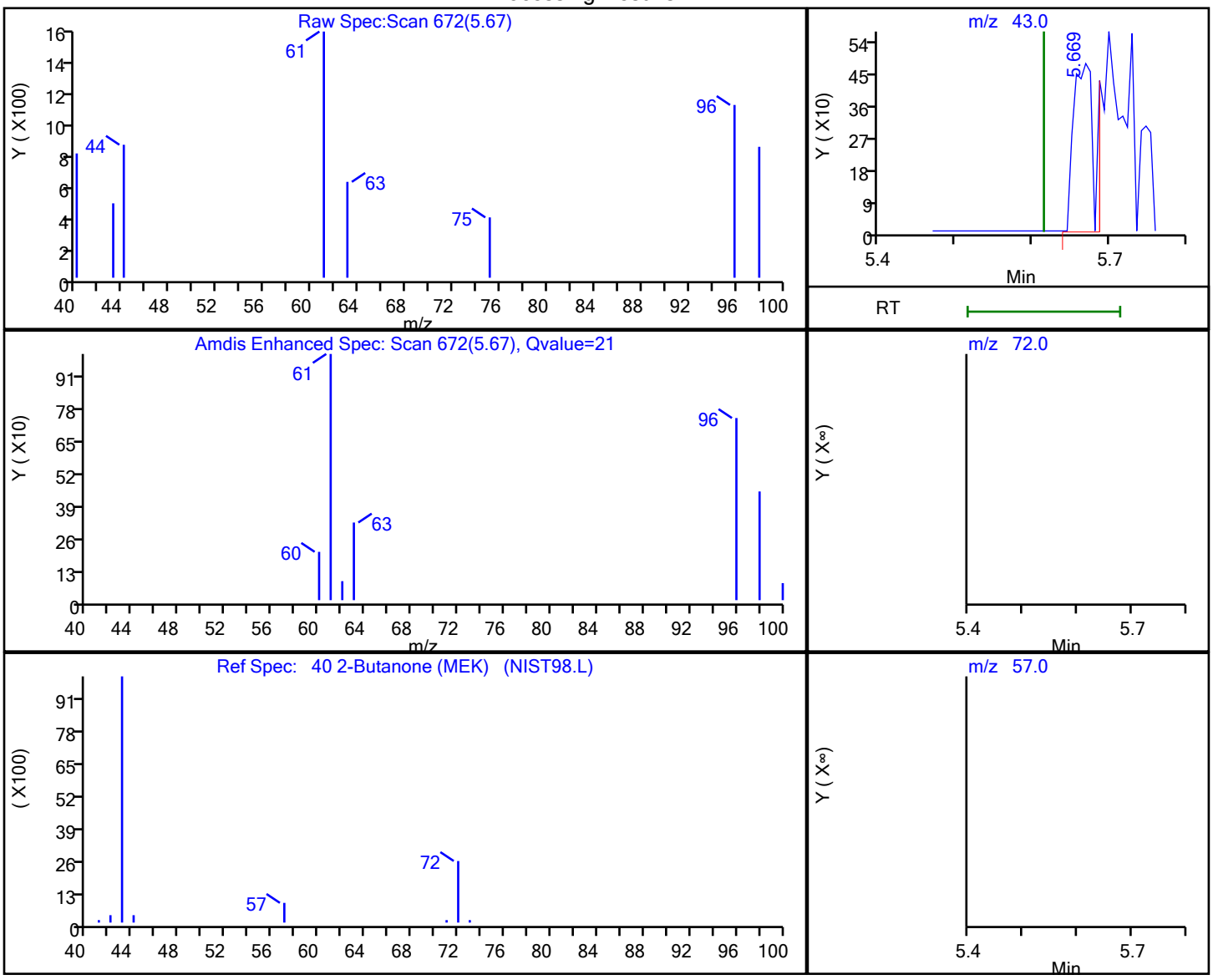
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X29.D				
Injection Date:	07-Jul-2025 18:30:30	Instrument ID:	23297		
Lims ID:	410-229795-A-1	Lab Sample ID:	410-229795-1		
Client ID:	HD-MW-5-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

40 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
5.67	43.00	906	0.192469
5.61	72.00	0	
5.61	57.00	0	

Reviewer: N9NA, 08-Jul-2025 11:08:47 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

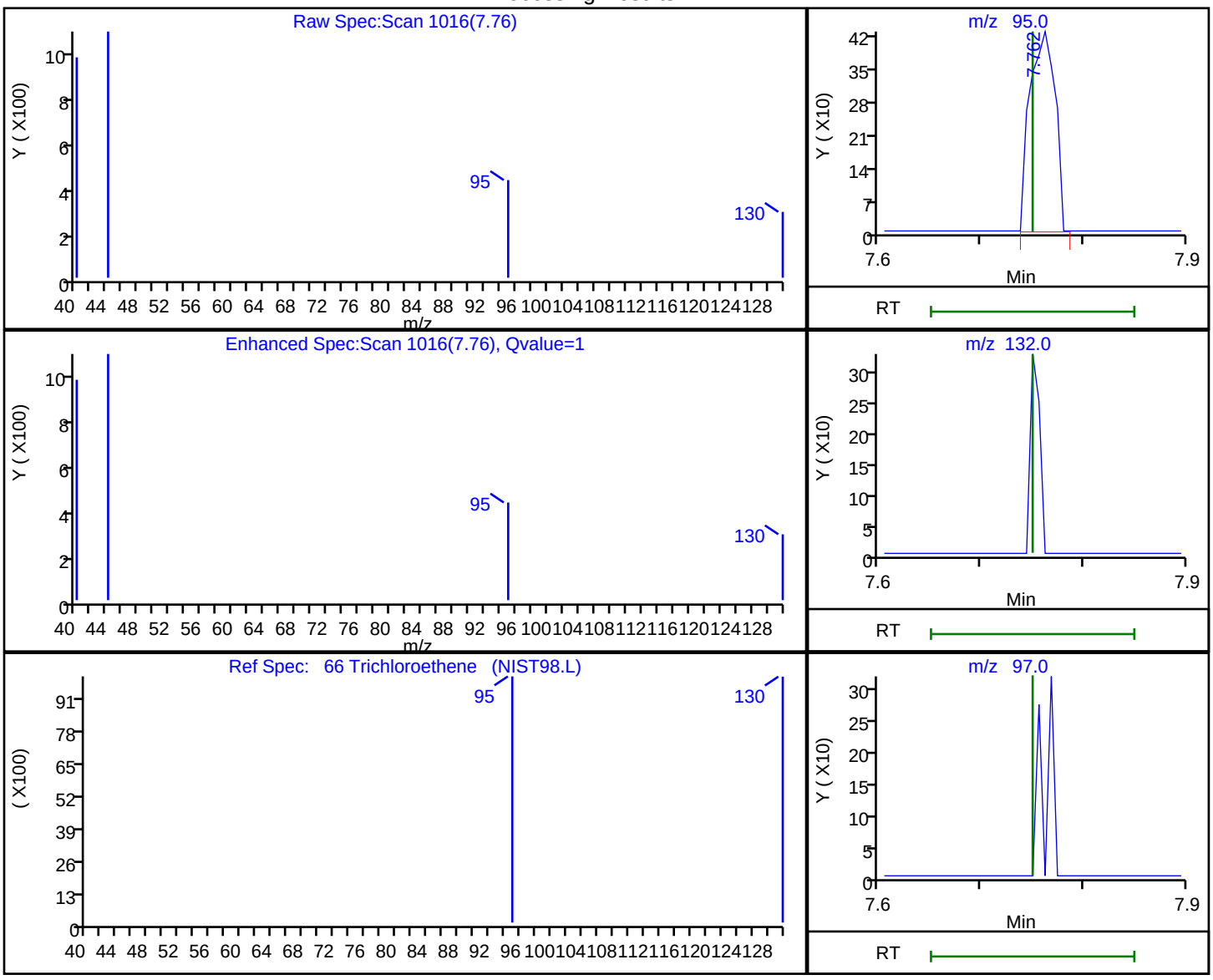
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X29.D				
Injection Date:	07-Jul-2025 18:30:30	Instrument ID:	23297		
Lims ID:	410-229795-A-1	Lab Sample ID:	410-229795-1		
Client ID:	HD-MW-5-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

66 Trichloroethene, CAS: 79-01-6

Processing Results



RT	Mass	Response	Amount
7.76	95.00	731	0.159545
7.75	132.00	0	
7.75	97.00	0	
7.75	130.00	0	

Reviewer: N9NA, 08-Jul-2025 11:09:22 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID: HD-MW-6-0/1-0
Lab Sample ID: 410-229795-2

Matrix: Water
Lab File ID: 4L07X30.D

Analysis Method: 8260D
Date Collected: 06/24/2025 07:33

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 18:53

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND	^c cn	20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND	^c cn	1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID: HD-MW-6-0/1-0
Lab Sample ID: 410-229795-2

Matrix: Water
Lab File ID: 4L07X30.D

Analysis Method: 8260D
Date Collected: 06/24/2025 07:33

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 18:53

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X30.D
Lims ID: 410-229795-A-2
Client ID: HD-MW-6-0/1-0
Sample Type: Client
Inject. Date: 07-Jul-2025 18:53:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0152552-021
Operator ID: clm27445 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 08-Jul-2025 11:09:29 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: N9NA Date: 08-Jul-2025 11:09:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.964				ND	
6 Vinyl chloride	62		2.056				ND	
8 Bromomethane	94		2.372				ND	7
9 Chloroethane	64		2.427				ND	
17 1,1-Dichloroethene	96		3.187				ND	
18 Acetone	58		3.199				ND	
22 Carbon disulfide	76		3.455				ND	
26 Methylene Chloride	84		3.765				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	3.777	3.796	-0.019	41	441319	250.0	
32 Methyl tert-butyl ether	73		4.130				ND	
31 trans-1,2-Dichloroethene	96		4.136				ND	
35 1,1-Dichloroethane	63		4.787				ND	
40 2-Butanone (MEK)	43		5.615				ND	
41 cis-1,2-Dichloroethene	96		5.633				ND	
48 Chlorobromomethane	128		5.973				ND	
50 Chloroform	83		6.132				ND	
$ 52 Dibromofluoromethane (Surr)	113	6.351	6.351	0.000	93	212726	46.4	
53 1,1,1-Trichloroethane	97		6.363				ND	
55 Carbon tetrachloride	117		6.576				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.813	6.807	0.006	37	52644	47.7	
59 Benzene	78		6.843				ND	7
60 1,2-Dichloroethane	62		6.916				ND	
* 63 Fluorobenzene (IS)	96	7.257	7.263	-0.006	99	882641	50.0	
66 Trichloroethene	95		7.750				ND	
70 1,2-Dichloropropane	63		8.078				ND	
77 Dichlorobromomethane	83		8.431				ND	
80 cis-1,3-Dichloropropene	75		9.003				ND	
81 4-Methyl-2-pentanone (MIBK)	43		9.198				ND	
$ 82 Toluene-d8 (Surr)	98	9.332	9.338	-0.006	93	843784	53.9	
87 Toluene	92		9.417				ND	
88 trans-1,3-Dichloropropene	75		9.697				ND	
94 1,1,2-Trichloroethane	97		9.910				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
99 Tetrachloroethene	166		10.001				ND	
107 2-Hexanone	43		10.147				ND	
120 Chlorodibromomethane	129		10.299				ND	
124 Ethylene Dibromide	107		10.408				ND	
* 127 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	86	574155	50.0	
131 Chlorobenzene	112		10.889				ND	
133 1,1,1,2-Tetrachloroethane	131		10.974				ND	
134 Ethylbenzene	91		10.986				ND	
136 m-Xylene & p-Xylene	106		11.102				ND	
S 137 Xylenes, Total	106		11.245				ND	7
139 o-Xylene	106		11.443				ND	
140 Styrene	104		11.455				ND	
141 Bromoform	173		11.607				ND	
$ 146 4-Bromofluorobenzene (Surr)	95	11.893	11.893	0.000	87	282186	49.3	
147 1,1,2,2-Tetrachloroethane	83		11.996				ND	
* 163 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	96	307857	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

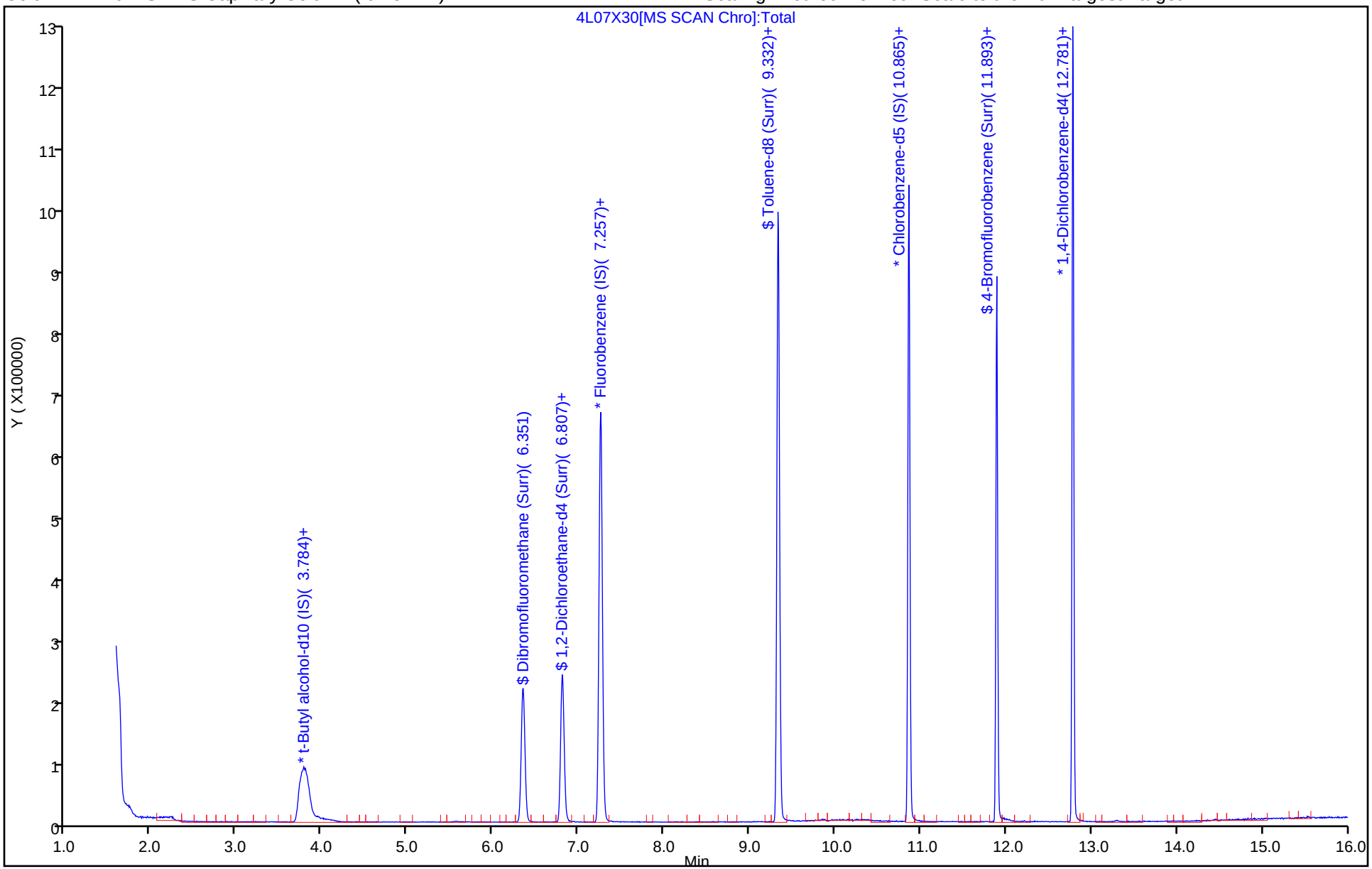
MSV_HP04_ISSS_00005 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 08-Jul-2025 11:09:54 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X30.D				
Injection Date:	07-Jul-2025 18:53:30	Instrument ID:	23297	Operator ID:	clm27445
Lims ID:	410-229795-A-2	Lab Sample ID:	410-229795-2	Worklist Smp#:	21
Client ID:	HD-MW-6-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X30.D				
Lims ID:	410-229795-A-2				
Client ID:	HD-MW-6-0/1-0				
Sample Type:	Client				
Inject. Date:	07-Jul-2025 18:53:30	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0152552-021				
Operator ID:	clm27445	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	08-Jul-2025 11:09:29	Calib Date:	17-Mar-2025 20:21:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1625				

First Level Reviewer: N9NA Date: 08-Jul-2025 11:09:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	46.4	92.78
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	47.7	95.47
$ 82 Toluene-d8 (Surr)	50.0	53.9	107.89
$ 146 4-Bromofluorobenzene (Surr)	50.0	49.3	98.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID: HD-MW-88-0/1-0
Lab Sample ID: 410-229795-3

Matrix: Water
Lab File ID: 4L07X31.D

Analysis Method: 8260D
Date Collected: 06/24/2025 12:35

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 19:15

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND	^c cn	20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND	^c cn	1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	0.42	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	19		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID: HD-MW-88-0/1-0
Lab Sample ID: 410-229795-3

Matrix: Water
Lab File ID: 4L07X31.D

Analysis Method: 8260D
Date Collected: 06/24/2025 12:35

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 19:15

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	0.63	J	1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X31.D
Lims ID: 410-229795-A-3
Client ID: HD-MW-88-0/1-0
Sample Type: Client
Inject. Date: 07-Jul-2025 19:15:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0152552-022
Operator ID: clm27445 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 08-Jul-2025 11:09:29 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: N9NA Date: 08-Jul-2025 11:10:20

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	4 Chloromethane	50		1.964				ND	
	6 Vinyl chloride	62		2.056				ND	
	8 Bromomethane	94		2.372				ND	7
	9 Chloroethane	64		2.427				ND	
	17 1,1-Dichloroethene	96		3.187				ND	
	18 Acetone	58		3.199				ND	
	22 Carbon disulfide	76		3.455				ND	
	26 Methylene Chloride	84		3.765				ND	
*	27 t-Butyl alcohol-d10 (IS)	65	3.790	3.796	-0.006	41	408829	250.0	
	32 Methyl tert-butyl ether	73		4.130				ND	
	31 trans-1,2-Dichloroethene	96		4.136				ND	
	35 1,1-Dichloroethane	63	4.769	4.787	-0.018	1	1736	0.2436	
	40 2-Butanone (MEK)	43		5.615				ND	7
	41 cis-1,2-Dichloroethene	96	5.627	5.633	-0.006	79	2033	0.4202	
	48 Chlorobromomethane	128		5.973				ND	
	50 Chloroform	83		6.132				ND	
$	52 Dibromofluoromethane (Surr)	113	6.345	6.351	-0.006	93	203712	46.7	
	53 1,1,1-Trichloroethane	97		6.363				ND	
	55 Carbon tetrachloride	117		6.576				ND	
$	58 1,2-Dichloroethane-d4 (Surr)	102	6.807	6.807	0.000	38	49140	46.9	
	59 Benzene	78		6.843				ND	
	60 1,2-Dichloroethane	62		6.916				ND	
*	63 Fluorobenzene (IS)	96	7.257	7.263	-0.006	99	839422	50.0	
	66 Trichloroethene	95	7.756	7.750	0.006	89	2768	0.6331	
	70 1,2-Dichloropropane	63		8.078				ND	
	77 Dichlorobromomethane	83		8.431				ND	
	80 cis-1,3-Dichloropropene	75		9.003				ND	
	81 4-Methyl-2-pentanone (MIBK)	43		9.198				ND	
$	82 Toluene-d8 (Surr)	98	9.332	9.338	-0.006	93	795816	54.2	
	87 Toluene	92		9.417				ND	
	88 trans-1,3-Dichloropropene	75		9.697				ND	
	94 1,1,2-Trichloroethane	97		9.910				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
99 Tetrachloroethene	166	10.001	10.001	0.000	96	78522	19.1	
107 2-Hexanone	43		10.147				ND	
120 Chlorodibromomethane	129		10.299				ND	
124 Ethylene Dibromide	107		10.408				ND	
* 127 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	86	539365	50.0	
131 Chlorobenzene	112		10.889				ND	
133 1,1,1,2-Tetrachloroethane	131		10.974				ND	
134 Ethylbenzene	91		10.986				ND	
136 m-Xylene & p-Xylene	106		11.102				ND	
S 137 Xylenes, Total	106		11.245				ND	7
139 o-Xylene	106		11.443				ND	
140 Styrene	104		11.455				ND	
141 Bromoform	173		11.607				ND	
$ 146 4-Bromofluorobenzene (Surr)	95	11.893	11.893	0.000	88	266933	49.7	
147 1,1,2,2-Tetrachloroethane	83		11.996				ND	
* 163 1,4-Dichlorobenzene-d4	152	12.787	12.781	0.006	96	295477	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

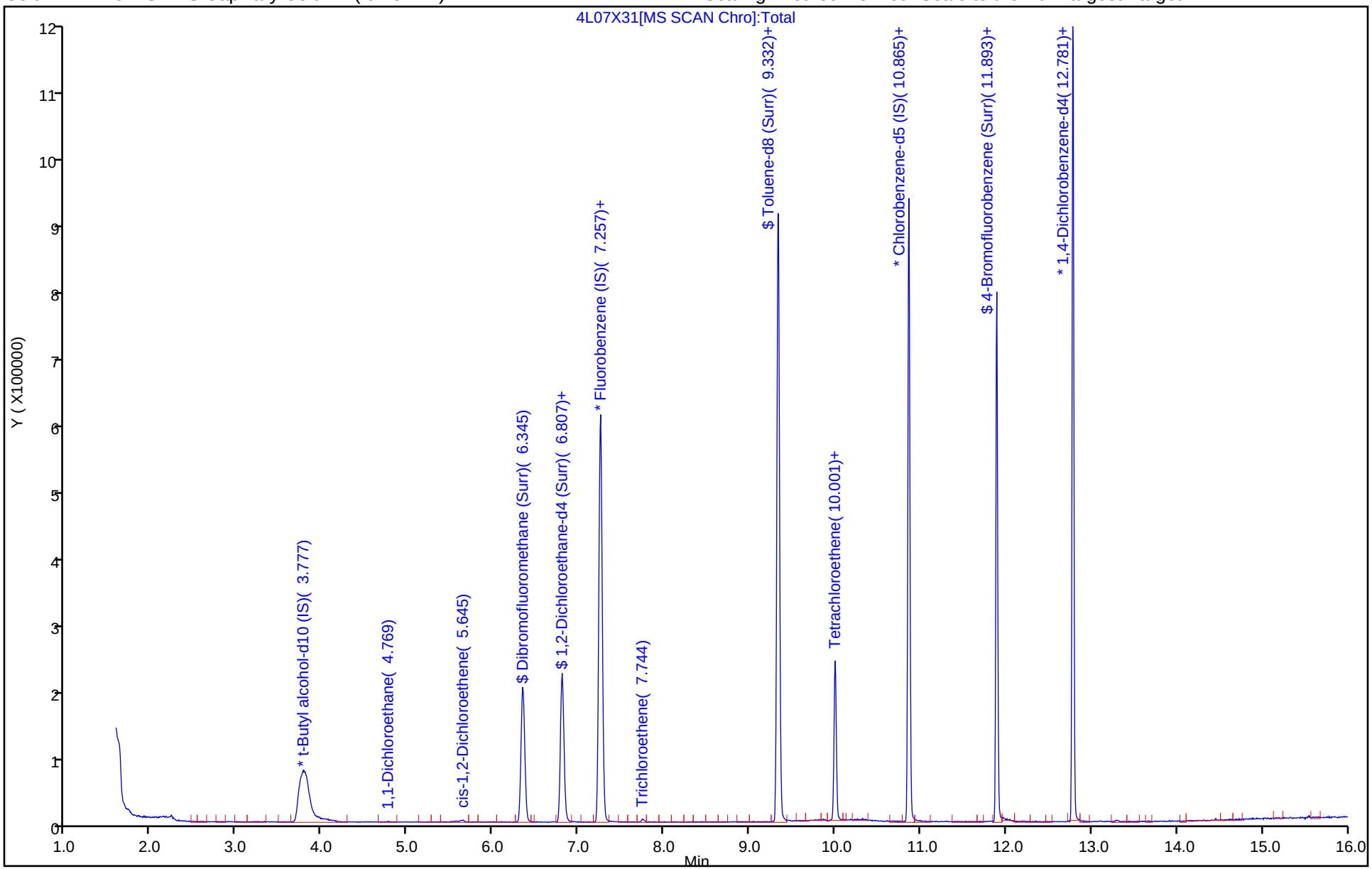
MSV_HP04_ISSS_00005 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 08-Jul-2025 11:10:21 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X31.D				
Injection Date:	07-Jul-2025 19:15:30	Instrument ID:	23297	Operator ID:	clm27445
Lims ID:	410-229795-A-3	Lab Sample ID:	410-229795-3	Worklist Smp#:	22
Client ID:	HD-MW-88-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X31.D
Lims ID: 410-229795-A-3
Client ID: HD-MW-88-0/1-0
Sample Type: Client
Inject. Date: 07-Jul-2025 19:15:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0152552-022
Operator ID: clm27445 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 08-Jul-2025 11:09:29 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

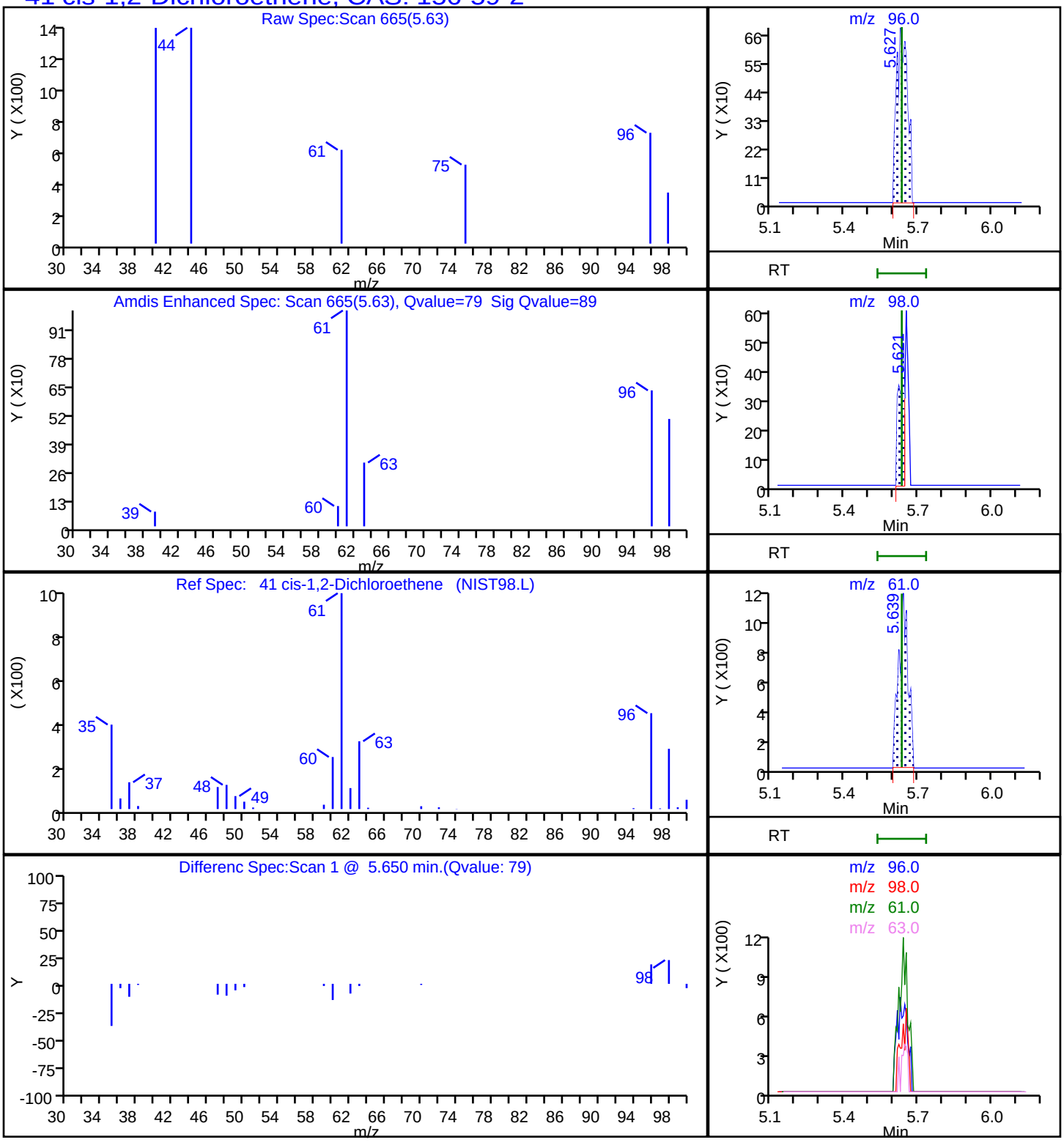
First Level Reviewer: N9NA Date: 08-Jul-2025 11:10:20

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	46.7	93.42
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	46.9	93.70
$ 82 Toluene-d8 (Surr)	50.0	54.2	108.32
$ 146 4-Bromofluorobenzene (Surr)	50.0	49.7	99.35

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X31.D				
Injection Date:	07-Jul-2025 19:15:30	Instrument ID:	23297		
Lims ID:	410-229795-A-3	Lab Sample ID:	410-229795-3		
Client ID:	HD-MW-88-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

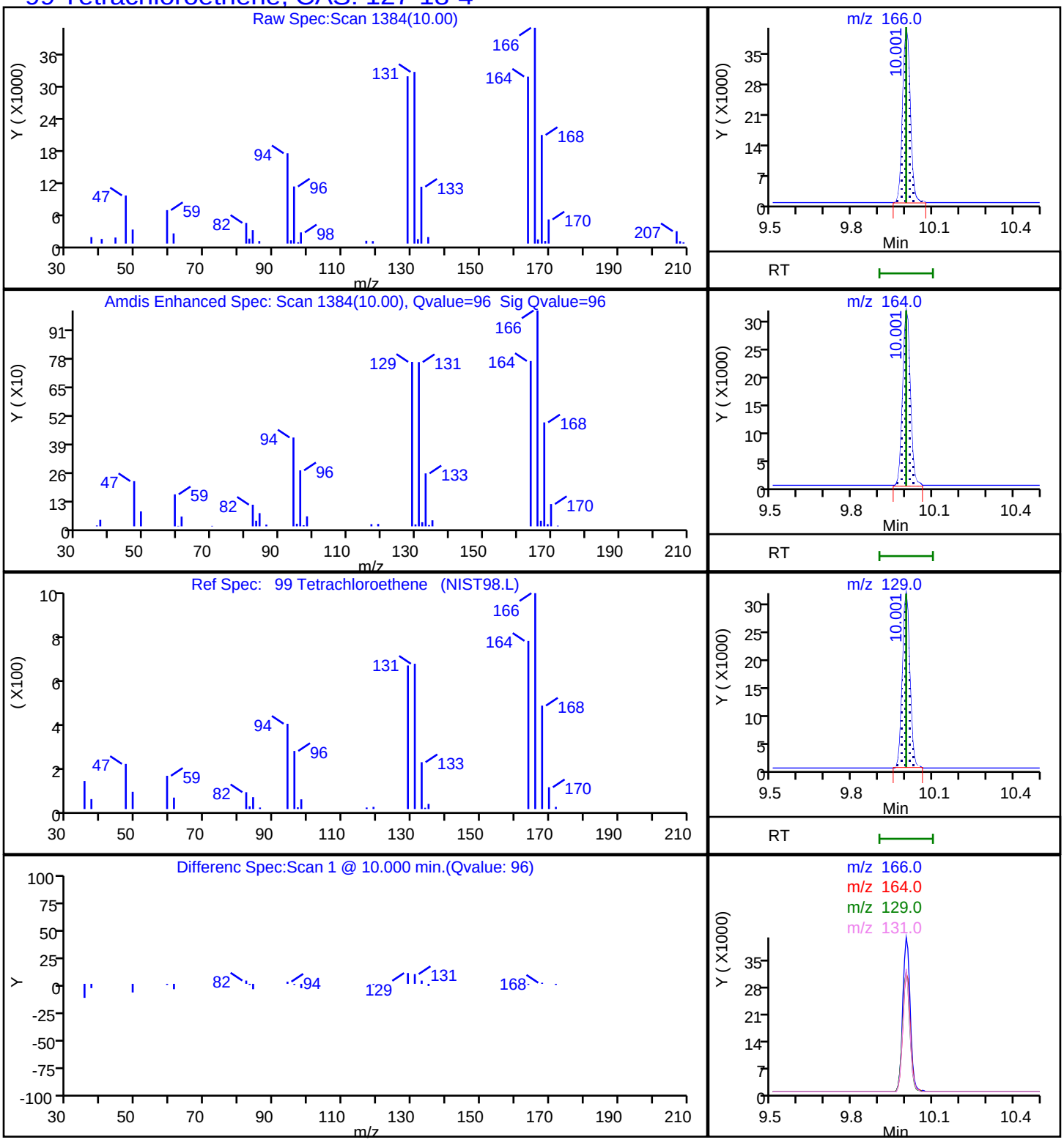
41 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X31.D				
Injection Date:	07-Jul-2025 19:15:30	Instrument ID:	23297		
Lims ID:	410-229795-A-3	Lab Sample ID:	410-229795-3		
Client ID:	HD-MW-88-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

99 Tetrachloroethene, CAS: 127-18-4



Report Date: 08-Jul-2025 11:10:21 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X31.D

Injection Date: 07-Jul-2025 19:15:30 Instrument ID: 23297

Lims ID: 410-229795-A-3 Lab Sample ID: 410-229795-3

Client ID: HD-MW-88-0/1-0

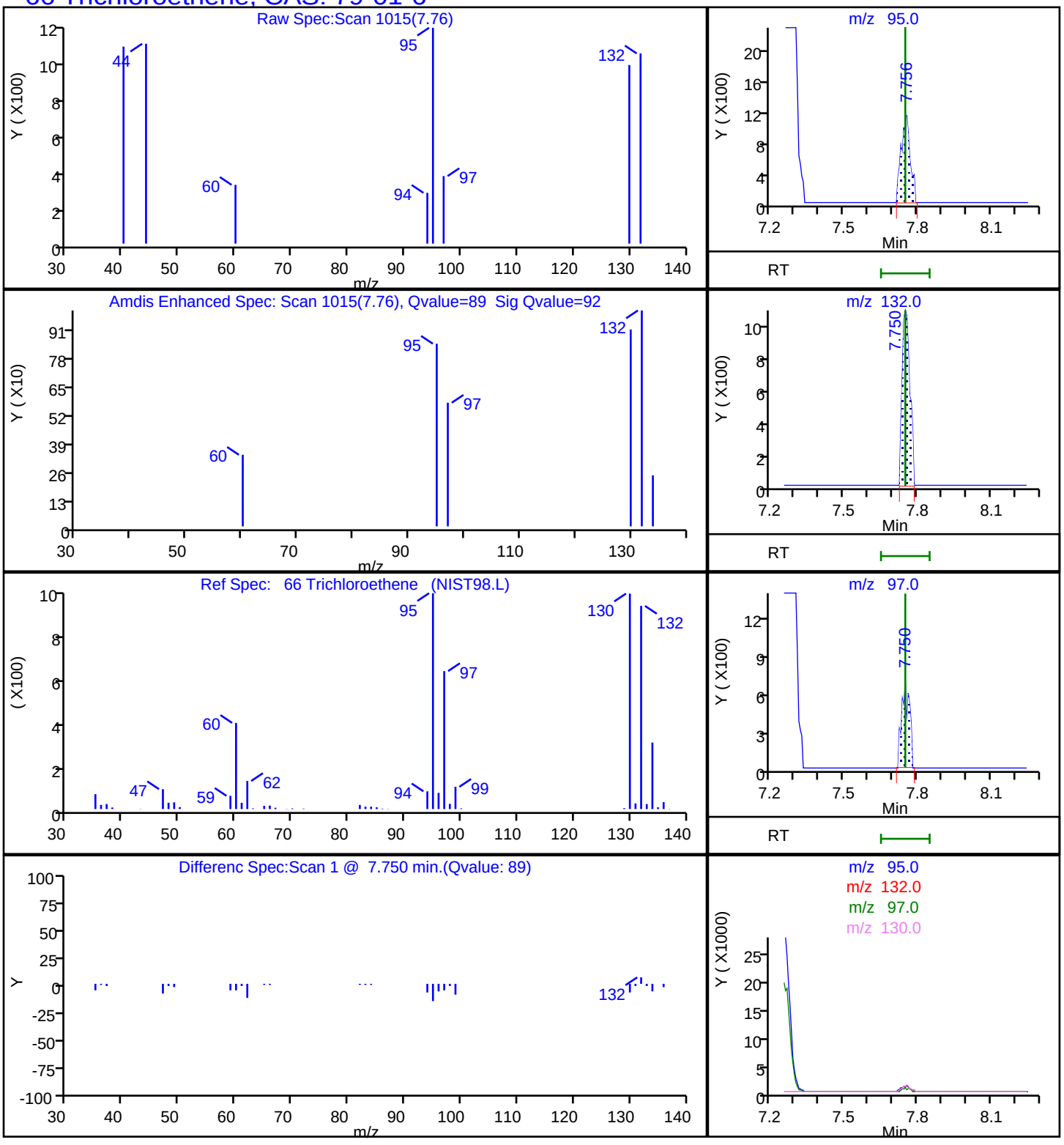
Operator ID: clm27445 ALS Bottle#: 22 Worklist Smp#: 22

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

66 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID: HD-MW-101S-0/1-0
Lab Sample ID: 410-229795-4

Matrix: Water
Lab File ID: 4L07X32.D

Analysis Method: 8260D
Date Collected: 06/24/2025 11:14

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 19:38

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND	^c cn	20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND	^c cn	1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	1.6		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID: HD-MW-101S-0/1-0
Lab Sample ID: 410-229795-4

Matrix: Water
Lab File ID: 4L07X32.D

Analysis Method: 8260D
Date Collected: 06/24/2025 11:14

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 19:38

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	0.31	J	1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	107		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X32.D
Lims ID: 410-229795-A-4
Client ID: HD-MW-101S-0/1-0
Sample Type: Client
Inject. Date: 07-Jul-2025 19:38:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0152552-023
Operator ID: clm27445 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 08-Jul-2025 11:09:29 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: N9NA Date: 08-Jul-2025 11:11:00

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	4 Chloromethane	50		1.964				ND	
	6 Vinyl chloride	62		2.056				ND	
	8 Bromomethane	94		2.372				ND	7
	9 Chloroethane	64		2.427				ND	
	17 1,1-Dichloroethene	96		3.187				ND	
	18 Acetone	58		3.199				ND	
	22 Carbon disulfide	76		3.455				ND	
	26 Methylene Chloride	84		3.765				ND	
*	27 t-Butyl alcohol-d10 (IS)	65	3.802	3.796	0.006	41	430994	250.0	
	32 Methyl tert-butyl ether	73		4.130				ND	
	31 trans-1,2-Dichloroethene	96		4.136				ND	
	35 1,1-Dichloroethane	63		4.787				ND	
	40 2-Butanone (MEK)	43		5.615				ND	7
	41 cis-1,2-Dichloroethene	96		5.633				ND	
	48 Chlorobromomethane	128		5.973				ND	
	50 Chloroform	83		6.132				ND	
$	52 Dibromofluoromethane (Surr)	113	6.351	6.351	0.000	93	220302	46.6	
	53 1,1,1-Trichloroethane	97		6.363				ND	7
	55 Carbon tetrachloride	117		6.576				ND	
$	58 1,2-Dichloroethane-d4 (Surr)	102	6.819	6.807	0.012	38	53840	47.3	
	59 Benzene	78		6.843				ND	7
	60 1,2-Dichloroethane	62		6.916				ND	
*	63 Fluorobenzene (IS)	96	7.257	7.263	-0.006	99	910096	50.0	
	66 Trichloroethene	95	7.750	7.750	0.000	1	1481	0.3124	
	70 1,2-Dichloropropane	63		8.078				ND	
	77 Dichlorobromomethane	83		8.431				ND	
	80 cis-1,3-Dichloropropene	75		9.003				ND	
	81 4-Methyl-2-pentanone (MIBK)	43		9.198				ND	
$	82 Toluene-d8 (Surr)	98	9.338	9.338	0.000	93	868380	53.6	
	87 Toluene	92		9.417				ND	
	88 trans-1,3-Dichloropropene	75		9.697				ND	
	94 1,1,2-Trichloroethane	97		9.910				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
99 Tetrachloroethene	166	10.001	10.001	0.000	94	7109	1.57	
107 2-Hexanone	43		10.147				ND	
120 Chlorodibromomethane	129		10.299				ND	
124 Ethylene Dibromide	107		10.408				ND	
* 127 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	86	594217	50.0	
131 Chlorobenzene	112		10.889				ND	
133 1,1,1,2-Tetrachloroethane	131		10.974				ND	
134 Ethylbenzene	91		10.986				ND	
136 m-Xylene & p-Xylene	106		11.102				ND	
S 137 Xylenes, Total	106		11.245				ND	7
139 o-Xylene	106		11.443				ND	
140 Styrene	104		11.455				ND	
141 Bromoform	173		11.607				ND	
$ 146 4-Bromofluorobenzene (Surr)	95	11.893	11.893	0.000	87	295009	49.8	
147 1,1,2,2-Tetrachloroethane	83		11.996				ND	
* 163 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	96	325011	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

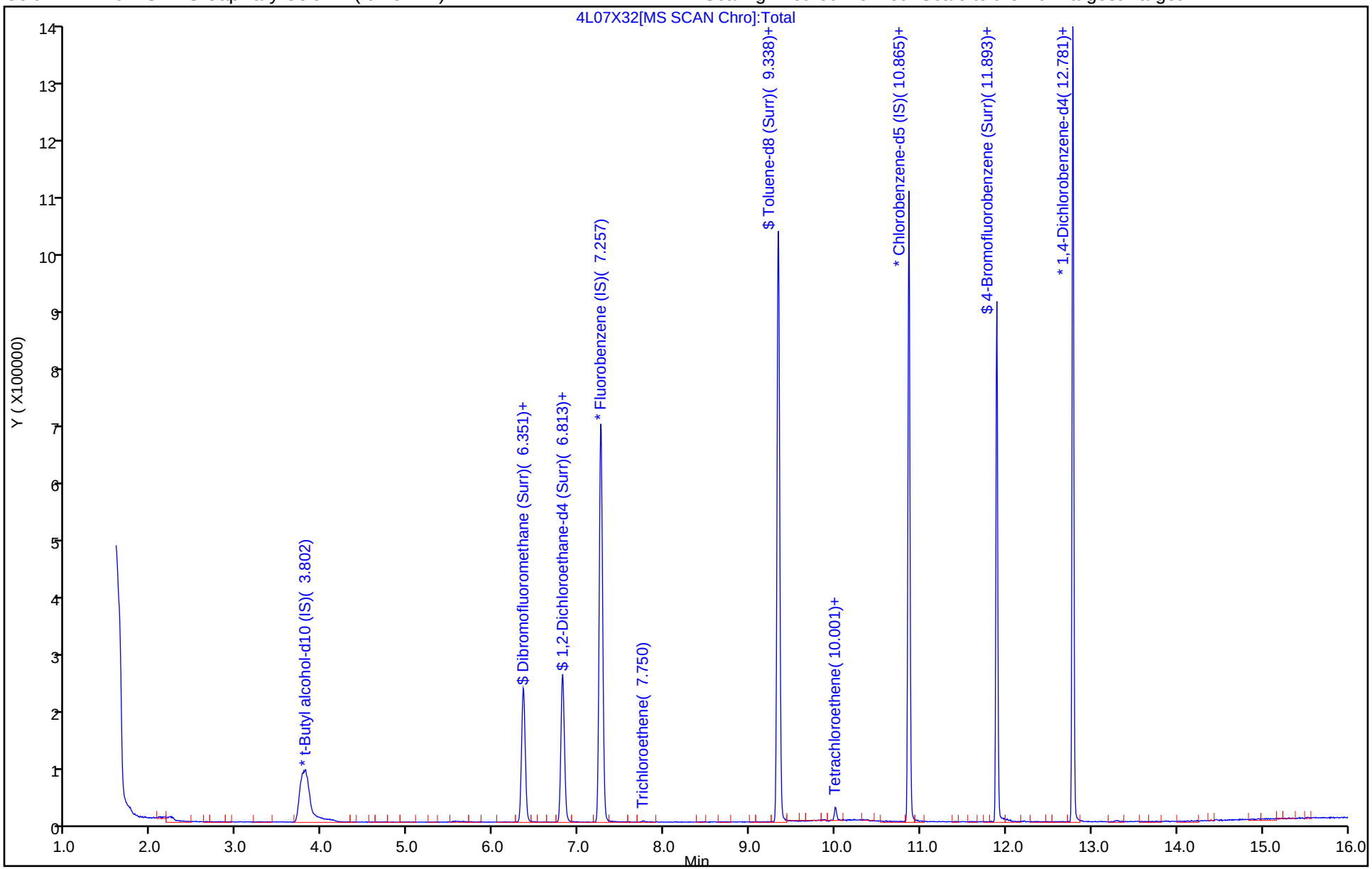
MSV_HP04_ISSS_00005 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 08-Jul-2025 11:11:01 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X32.D				
Injection Date:	07-Jul-2025 19:38:30	Instrument ID:	23297	Operator ID:	clm27445
Lims ID:	410-229795-A-4	Lab Sample ID:	410-229795-4	Worklist Smp#:	23
Client ID:	HD-MW-101S-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X32.D				
Lims ID:	410-229795-A-4				
Client ID:	HD-MW-101S-0/1-0				
Sample Type:	Client				
Inject. Date:	07-Jul-2025 19:38:30	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0152552-023				
Operator ID:	clm27445	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	08-Jul-2025 11:09:29	Calib Date:	17-Mar-2025 20:21:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1625				

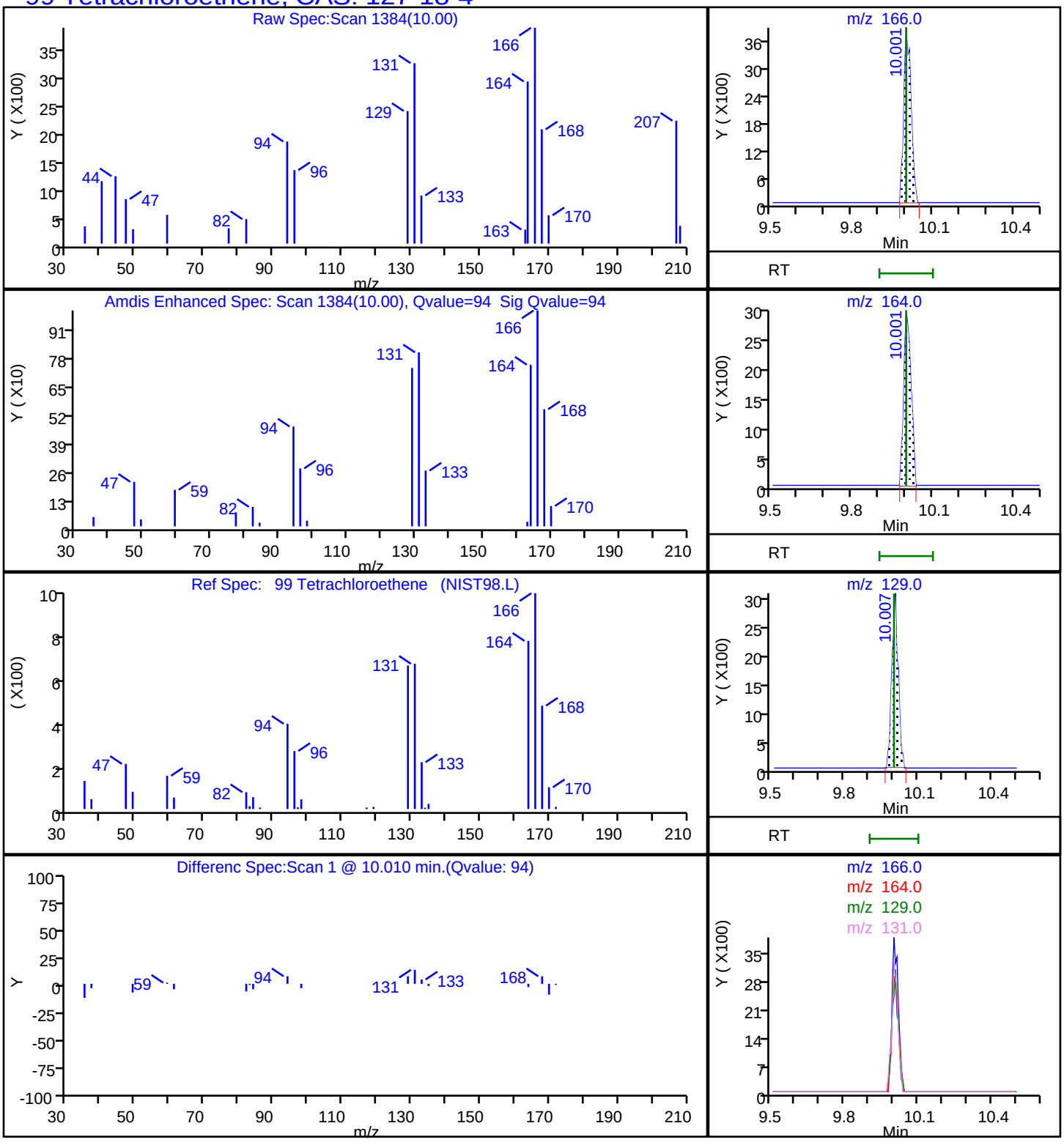
First Level Reviewer: N9NA Date: 08-Jul-2025 11:11:00

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	46.6	93.18
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	47.3	94.69
$ 82 Toluene-d8 (Surr)	50.0	53.6	107.28
$ 146 4-Bromofluorobenzene (Surr)	50.0	49.8	99.67

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X32.D
Injection Date: 07-Jul-2025 19:38:30 Instrument ID: 23297
Lims ID: 410-229795-A-4 Lab Sample ID: 410-229795-4
Client ID: HD-MW-101S-0/1-0
Operator ID: clm27445 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

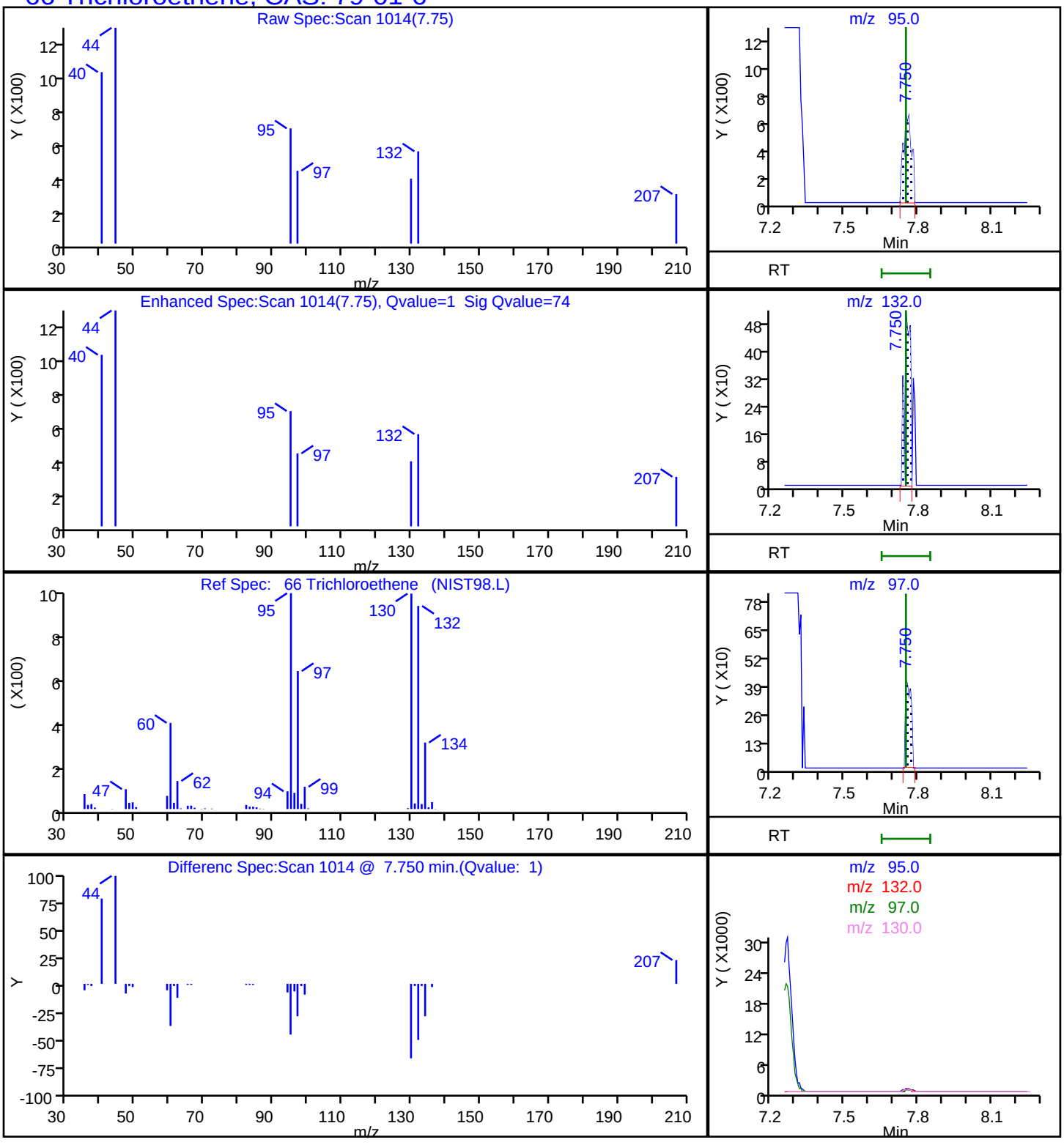
99 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X32.D				
Injection Date:	07-Jul-2025 19:38:30	Instrument ID:	23297		
Lims ID:	410-229795-A-4	Lab Sample ID:	410-229795-4		
Client ID:	HD-MW-101S-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

66 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID: HD-MW-101D-0/1-0
Lab Sample ID: 410-229795-5

Matrix: Water
Lab File ID: 4L07X33.D

Analysis Method: 8260D
Date Collected: 06/24/2025 10:15

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 20:01

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND	^c cn	20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND	^c cn	1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	6.7		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	2.7		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID: HD-MW-101D-0/1-0
Lab Sample ID: 410-229795-5

Matrix: Water
Lab File ID: 4L07X33.D

Analysis Method: 8260D
Date Collected: 06/24/2025 10:15

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 20:01

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	3.5		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X33.D
Lims ID: 410-229795-A-5
Client ID: HD-MW-101D-0/1-0
Sample Type: Client
Inject. Date: 07-Jul-2025 20:01:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0152552-024
Operator ID: clm27445 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 08-Jul-2025 11:11:35 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: N9NA Date: 08-Jul-2025 11:11:35

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	4 Chloromethane	50		1.964				ND	7
	6 Vinyl chloride	62		2.056				ND	
	8 Bromomethane	94		2.372				ND	
	9 Chloroethane	64		2.427				ND	
	17 1,1-Dichloroethene	96		3.187				ND	
	18 Acetone	58		3.199				ND	
	22 Carbon disulfide	76		3.455				ND	
	26 Methylene Chloride	84		3.765				ND	
*	27 t-Butyl alcohol-d10 (IS)	65	3.802	3.796	0.006	41	447850	250.0	
	32 Methyl tert-butyl ether	73		4.130				ND	
	31 trans-1,2-Dichloroethene	96		4.136				ND	
	35 1,1-Dichloroethane	63		4.787				ND	U
	40 2-Butanone (MEK)	43		5.615				ND	
	41 cis-1,2-Dichloroethene	96	5.639	5.633	0.006	81	34963	6.73	
	48 Chlorobromomethane	128		5.973				ND	
	50 Chloroform	83	6.138	6.132	0.006	1	1733	0.2143	
$	52 Dibromofluoromethane (Surr)	113	6.351	6.351	0.000	93	223058	47.7	
	53 1,1,1-Trichloroethane	97		6.363				ND	
	55 Carbon tetrachloride	117		6.576				ND	
$	58 1,2-Dichloroethane-d4 (Surr)	102	6.813	6.807	0.006	38	54687	48.6	
	59 Benzene	78		6.843				ND	7
	60 1,2-Dichloroethane	62		6.916				ND	
*	63 Fluorobenzene (IS)	96	7.257	7.263	-0.006	99	900932	50.0	
	66 Trichloroethene	95	7.744	7.750	-0.006	97	16465	3.51	
	70 1,2-Dichloropropane	63		8.078				ND	
	77 Dichlorobromomethane	83		8.431				ND	
	80 cis-1,3-Dichloropropene	75		9.003				ND	
	81 4-Methyl-2-pentanone (MIBK)	43		9.198				ND	
$	82 Toluene-d8 (Surr)	98	9.332	9.338	-0.006	93	865404	52.9	
	87 Toluene	92		9.417				ND	
	88 trans-1,3-Dichloropropene	75		9.697				ND	
	94 1,1,2-Trichloroethane	97		9.910				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
99 Tetrachloroethene	166	10.007	10.001	0.006	96	12433	2.72	
107 2-Hexanone	43		10.147				ND	
120 Chlorodibromomethane	129		10.299				ND	
124 Ethylene Dibromide	107		10.408				ND	
* 127 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	86	601047	50.0	
131 Chlorobenzene	112		10.889				ND	
133 1,1,1,2-Tetrachloroethane	131		10.974				ND	
134 Ethylbenzene	91		10.986				ND	
136 m-Xylene & p-Xylene	106		11.102				ND	
S 137 Xylenes, Total	106		11.245				ND	7
139 o-Xylene	106		11.443				ND	
140 Styrene	104		11.455				ND	
141 Bromoform	173		11.607				ND	
$ 146 4-Bromofluorobenzene (Surr)	95	11.893	11.893	0.000	87	287935	48.1	
147 1,1,2,2-Tetrachloroethane	83		11.996				ND	
* 163 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	95	328136	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP04_ISSS_00005 Amount Added: 1.00 Units: uL Run Reagent

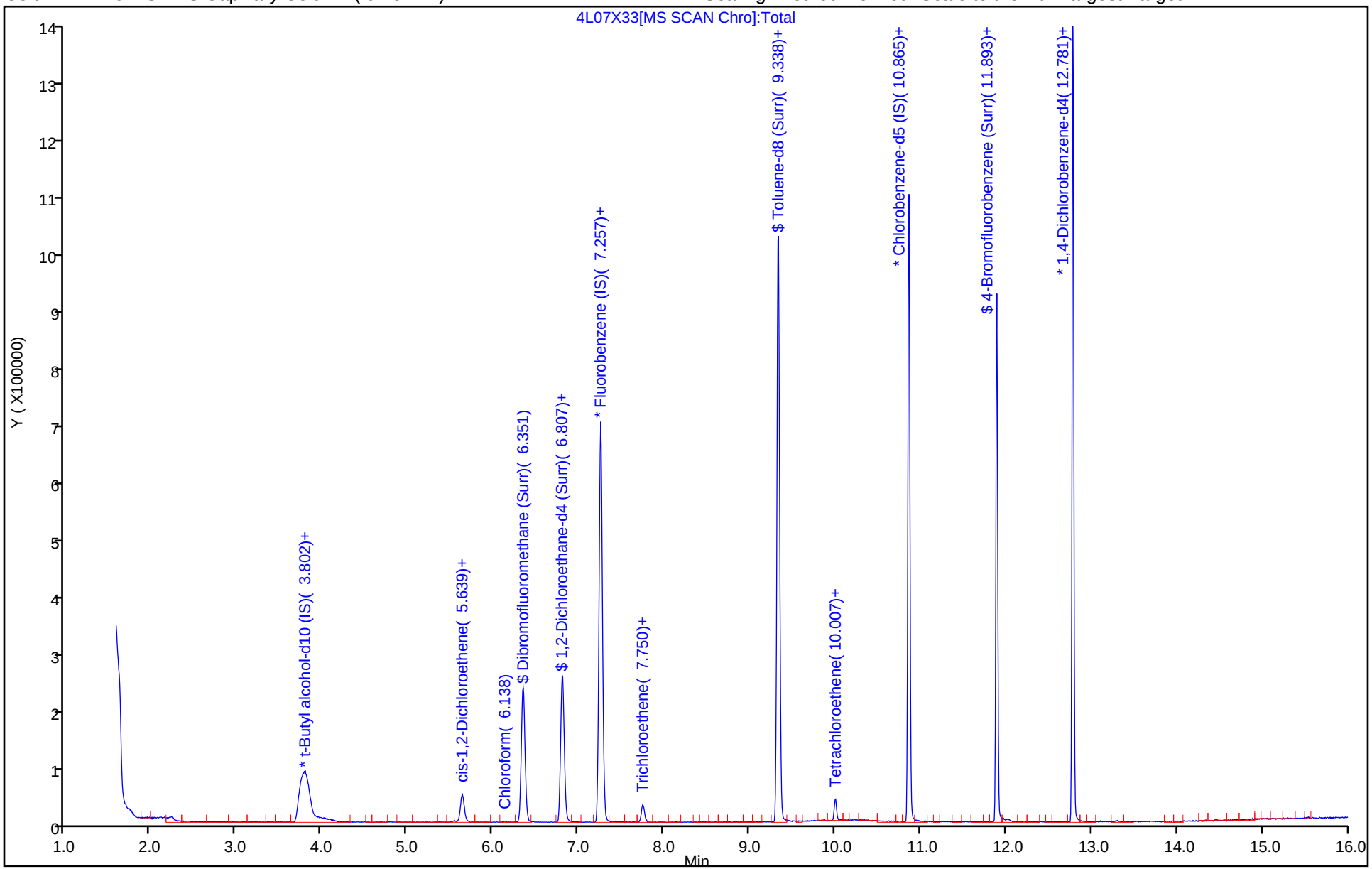
Report Date: 08-Jul-2025 11:11:36 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X33.D

Injection Date:	07-Jul-2025 20:01:30	Instrument ID:	23297	Operator ID:	clm27445
Lims ID:	410-229795-A-5	Lab Sample ID:	410-229795-5	Worklist Smp#:	24
Client ID:	HD-MW-101D-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X33.D				
Lims ID:	410-229795-A-5				
Client ID:	HD-MW-101D-0/1-0				
Sample Type:	Client				
Inject. Date:	07-Jul-2025 20:01:30	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0152552-024				
Operator ID:	clm27445	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	08-Jul-2025 11:11:35	Calib Date:	17-Mar-2025 20:21:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1625				

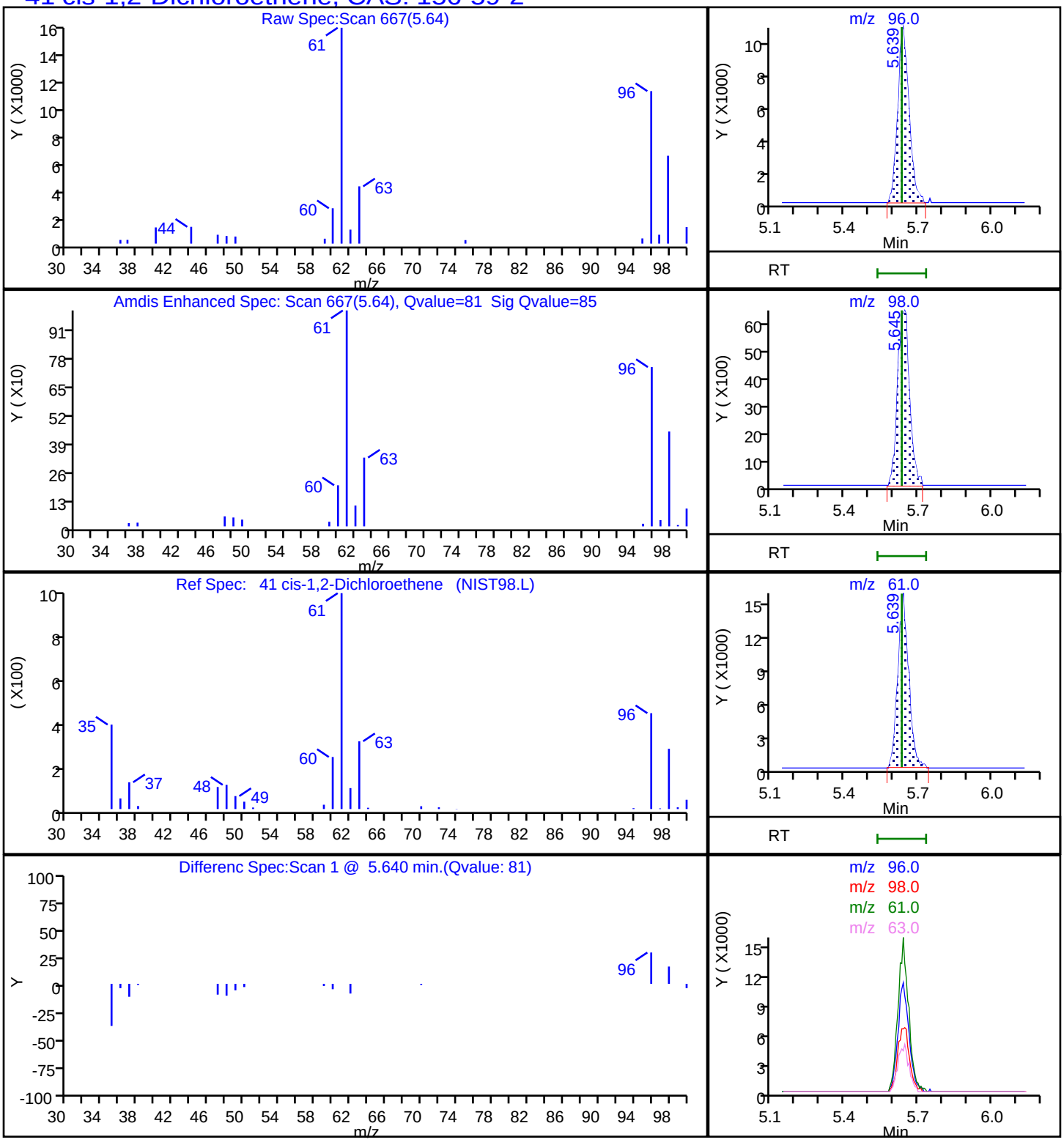
First Level Reviewer: N9NA Date: 08-Jul-2025 11:11:35

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	47.7	95.31
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	48.6	97.16
$ 82 Toluene-d8 (Surr)	50.0	52.9	105.70
$ 146 4-Bromofluorobenzene (Surr)	50.0	48.1	96.17

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X33.D				
Injection Date:	07-Jul-2025 20:01:30	Instrument ID:	23297		
Lims ID:	410-229795-A-5	Lab Sample ID:	410-229795-5		
Client ID:	HD-MW-101D-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

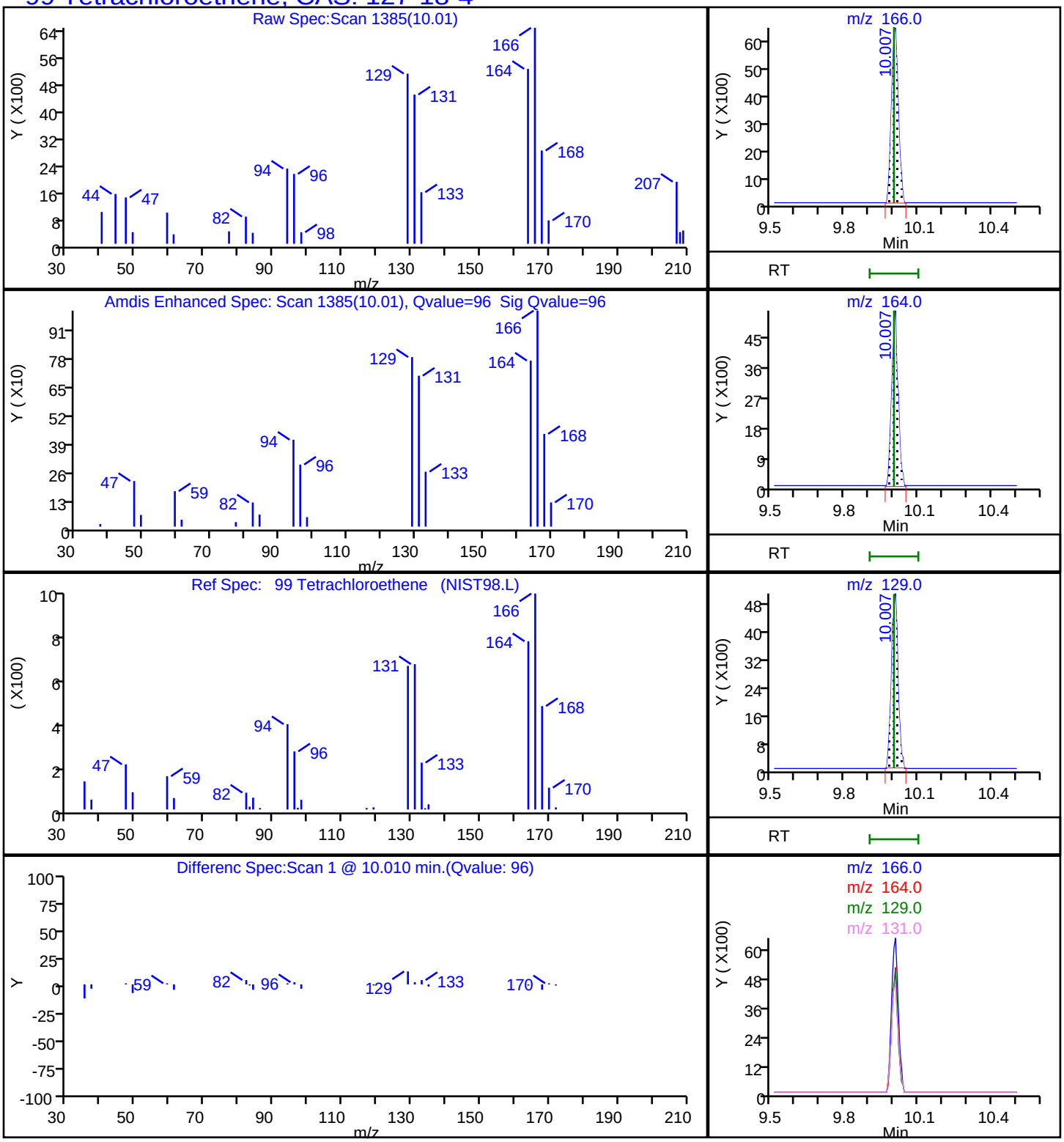
41 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X33.D				
Injection Date:	07-Jul-2025 20:01:30	Instrument ID:	23297		
Lims ID:	410-229795-A-5	Lab Sample ID:	410-229795-5		
Client ID:	HD-MW-101D-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

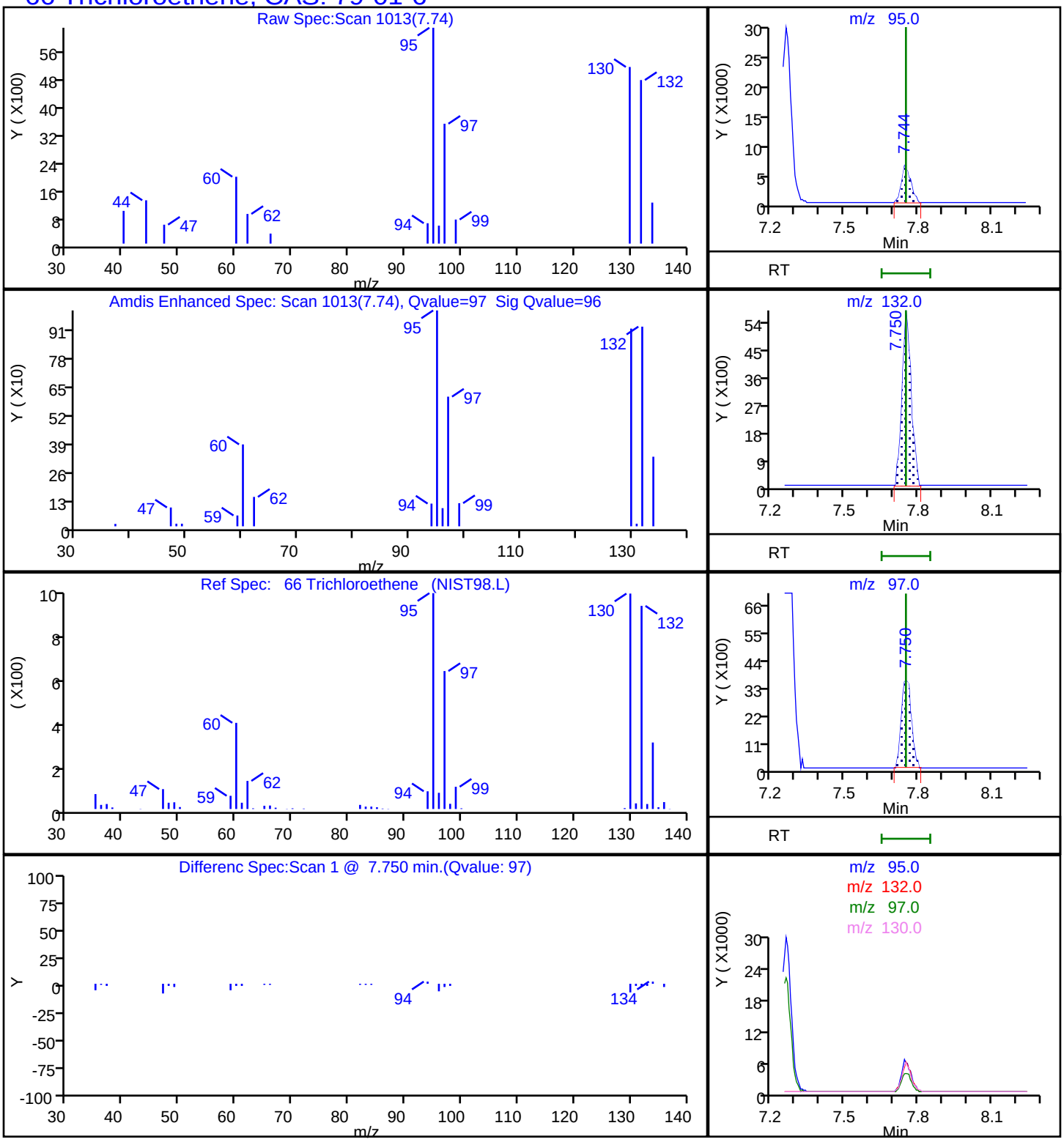
99 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X33.D				
Injection Date:	07-Jul-2025 20:01:30	Instrument ID:	23297		
Lims ID:	410-229795-A-5	Lab Sample ID:	410-229795-5		
Client ID:	HD-MW-101D-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

66 Trichloroethene, CAS: 79-01-6



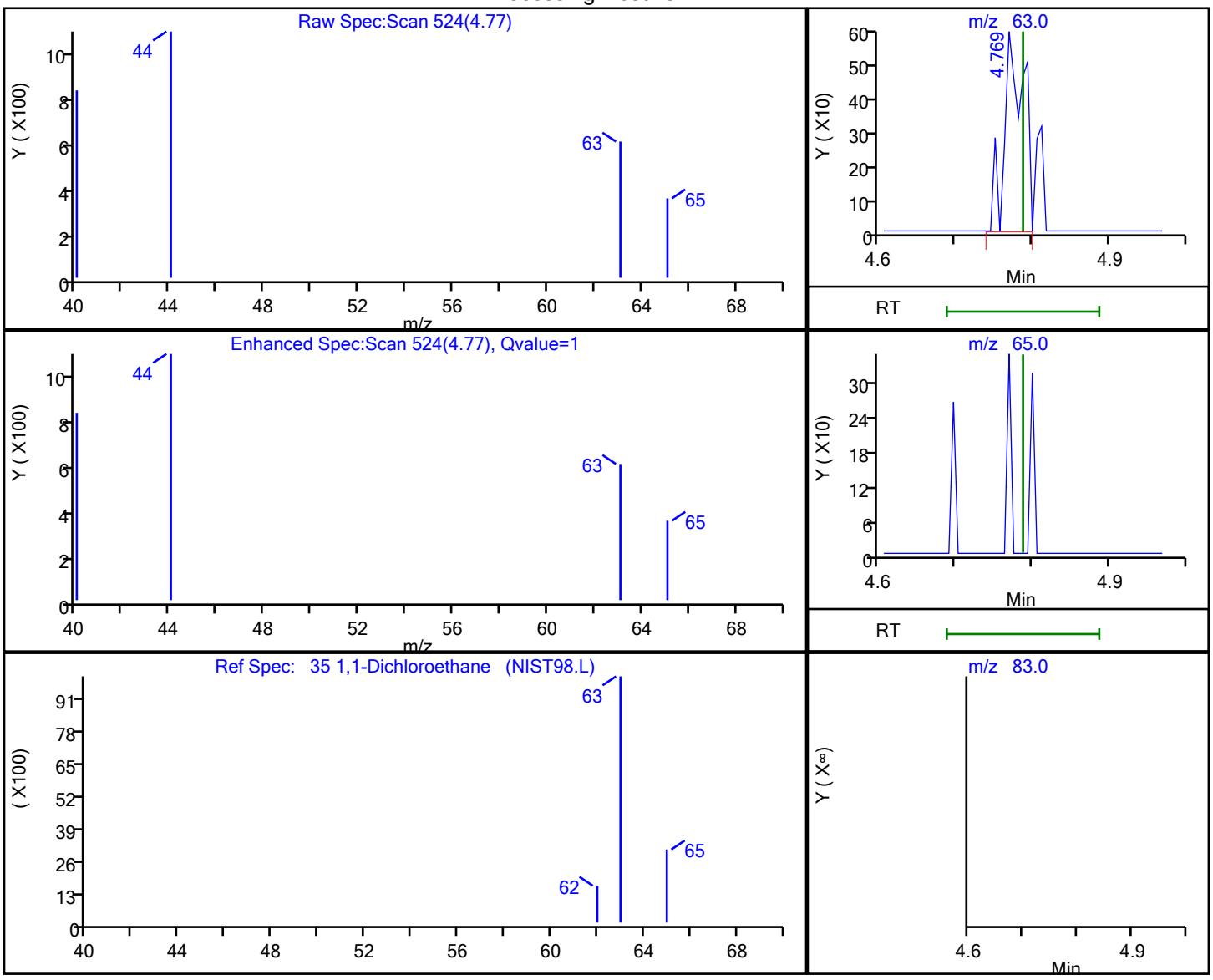
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X33.D				
Injection Date:	07-Jul-2025 20:01:30	Instrument ID:	23297		
Lims ID:	410-229795-A-5	Lab Sample ID:	410-229795-5		
Client ID:	HD-MW-101D-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

35 1,1-Dichloroethane, CAS: 75-34-3

Processing Results



RT	Mass	Response	Amount
4.77	63.00	1063	0.138995
4.79	65.00	0	
4.79	83.00	0	

Reviewer: N9NA, 08-Jul-2025 11:11:24 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID: HD-QC1-0/1-3
Lab Sample ID: 410-229795-6

Matrix: Water
Lab File ID: 4L07X34.D

Analysis Method: 8260D
Date Collected: 06/24/2025 13:00

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 20:23

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	5.9	J ^c cn	20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND	^c cn	1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID: HD-QC1-0/1-3
Lab Sample ID: 410-229795-6

Matrix: Water
Lab File ID: 4L07X34.D

Analysis Method: 8260D
Date Collected: 06/24/2025 13:00

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 20:23

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	0.48	J	1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	107		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X34.D
Lims ID: 410-229795-A-6
Client ID: HD-QC1-0/1-3
Sample Type: Client
Inject. Date: 07-Jul-2025 20:23:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0152552-025
Operator ID: clm27445 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 08-Jul-2025 11:12:45 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: N9NA Date: 08-Jul-2025 11:12:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.964				ND	
6 Vinyl chloride	62		2.056				ND	
8 Bromomethane	94		2.372				ND	7
9 Chloroethane	64		2.427				ND	
17 1,1-Dichloroethene	96		3.187				ND	
18 Acetone	58	3.206	3.199	0.007	99	5439	5.87	
22 Carbon disulfide	76		3.455				ND	
26 Methylene Chloride	84		3.765				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	3.783	3.796	-0.013	41	432013	250.0	
32 Methyl tert-butyl ether	73		4.130				ND	
31 trans-1,2-Dichloroethene	96		4.136				ND	
35 1,1-Dichloroethane	63		4.787				ND	
40 2-Butanone (MEK)	43		5.615				ND	7
41 cis-1,2-Dichloroethene	96		5.633				ND	
48 Chlorobromomethane	128		5.973				ND	
50 Chloroform	83		6.132				ND	
$ 52 Dibromofluoromethane (Surr)	113	6.345	6.351	-0.006	93	213836	46.9	
53 1,1,1-Trichloroethane	97		6.363				ND	
55 Carbon tetrachloride	117		6.576				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.807	6.807	0.000	56	51559	47.0	
59 Benzene	78		6.843				ND	7
60 1,2-Dichloroethane	62		6.916				ND	
* 63 Fluorobenzene (IS)	96	7.257	7.263	-0.006	99	877188	50.0	
66 Trichloroethene	95		7.750				ND	
70 1,2-Dichloropropane	63		8.078				ND	
77 Dichlorobromomethane	83		8.431				ND	
80 cis-1,3-Dichloropropene	75		9.003				ND	
81 4-Methyl-2-pentanone (MIBK)	43		9.198				ND	
$ 82 Toluene-d8 (Surr)	98	9.332	9.338	-0.006	93	846676	53.6	
87 Toluene	92	9.423	9.417	0.006	98	4823	0.4774	
88 trans-1,3-Dichloropropene	75		9.697				ND	
94 1,1,2-Trichloroethane	97		9.910				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
99 Tetrachloroethene	166		10.001				ND	
107 2-Hexanone	43		10.147				ND	
120 Chlorodibromomethane	129		10.299				ND	
124 Ethylene Dibromide	107		10.408				ND	
* 127 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	87	579360	50.0	
131 Chlorobenzene	112		10.889				ND	
133 1,1,1,2-Tetrachloroethane	131		10.974				ND	
134 Ethylbenzene	91		10.986				ND	7
136 m-Xylene & p-Xylene	106		11.102				ND	7
S 137 Xylenes, Total	106		11.245				ND	7
139 o-Xylene	106		11.443				ND	7
140 Styrene	104		11.455				ND	
141 Bromoform	173		11.607				ND	
$ 146 4-Bromofluorobenzene (Surr)	95	11.893	11.893	0.000	87	285137	49.4	
147 1,1,2,2-Tetrachloroethane	83		11.996				ND	
* 163 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	96	308963	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

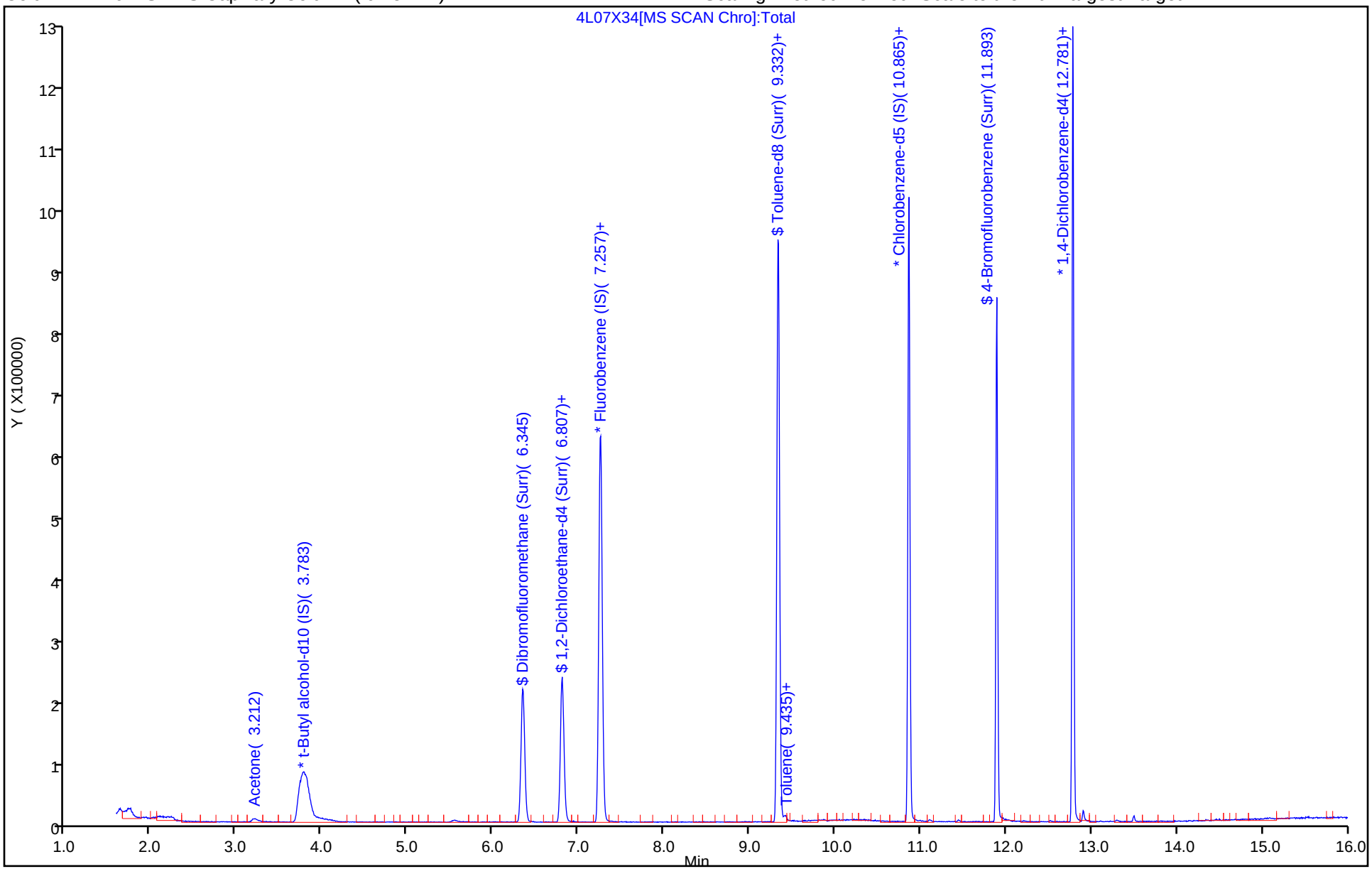
MSV_HP04_ISSS_00005 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 08-Jul-2025 11:13:24 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X34.D				
Injection Date:	07-Jul-2025 20:23:30	Instrument ID:	23297	Operator ID:	clm27445
Lims ID:	410-229795-A-6	Lab Sample ID:	410-229795-6	Worklist Smp#:	25
Client ID:	HD-QC1-0/1-3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X34.D				
Lims ID:	410-229795-A-6				
Client ID:	HD-QC1-0/1-3				
Sample Type:	Client				
Inject. Date:	07-Jul-2025 20:23:30	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0152552-025				
Operator ID:	clm27445	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	08-Jul-2025 11:12:45	Calib Date:	17-Mar-2025 20:21:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1625				

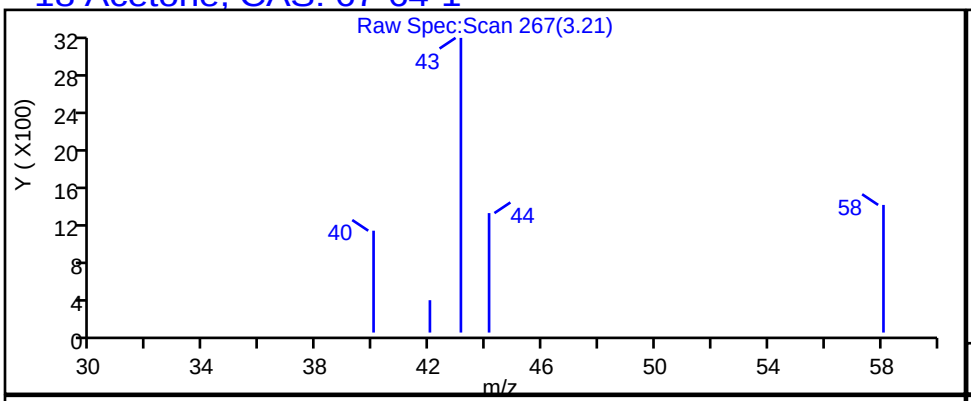
First Level Reviewer: N9NA Date: 08-Jul-2025 11:12:06

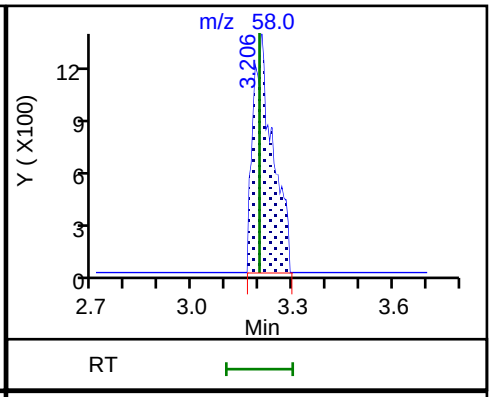
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	46.9	93.84
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	47.0	94.08
$ 82 Toluene-d8 (Surr)	50.0	53.6	107.29
$ 146 4-Bromofluorobenzene (Surr)	50.0	49.4	98.80

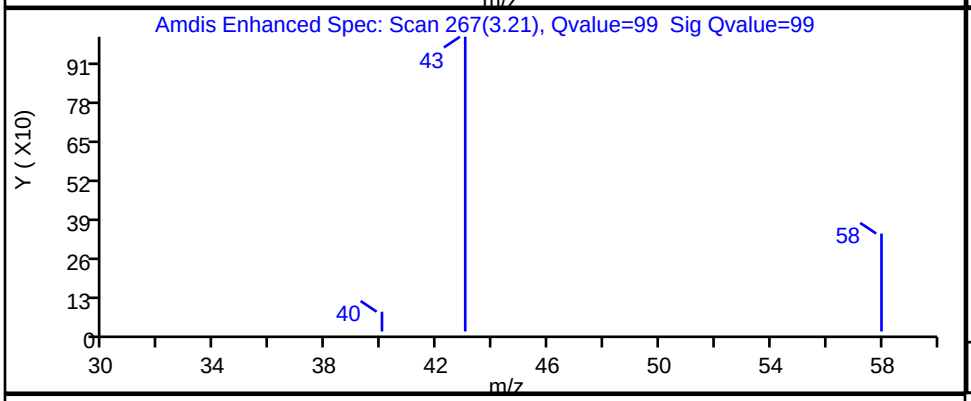
Eurofins Lancaster Laboratories Environment Testing, LLC

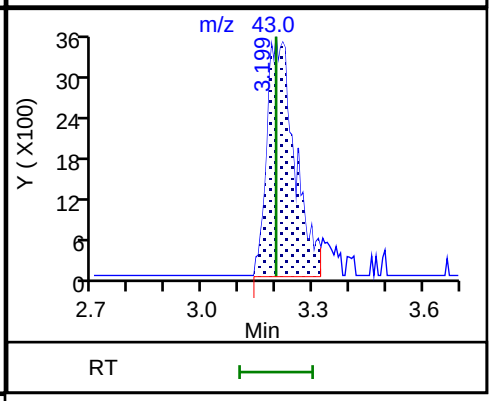
Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X34.D				
Injection Date:	07-Jul-2025 20:23:30	Instrument ID:	23297		
Lims ID:	410-229795-A-6	Lab Sample ID:	410-229795-6		
Client ID:	HD-QC1-0/1-3				
Operator ID:	clm27445	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

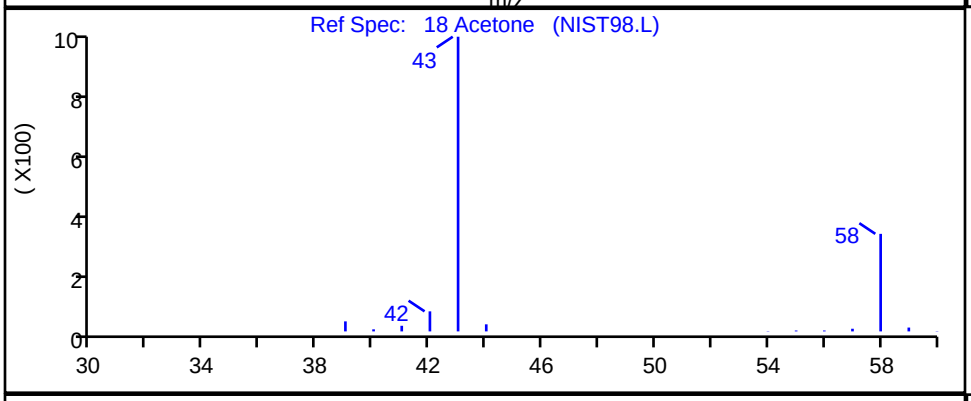
18 Acetone, CAS: 67-64-1

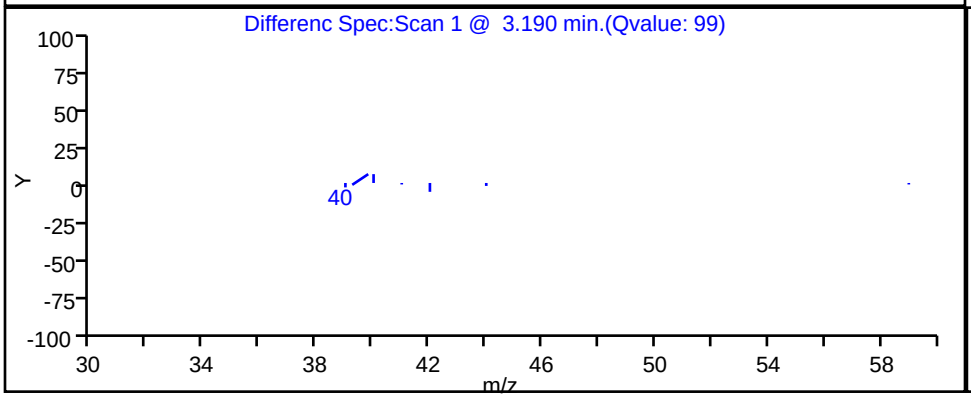


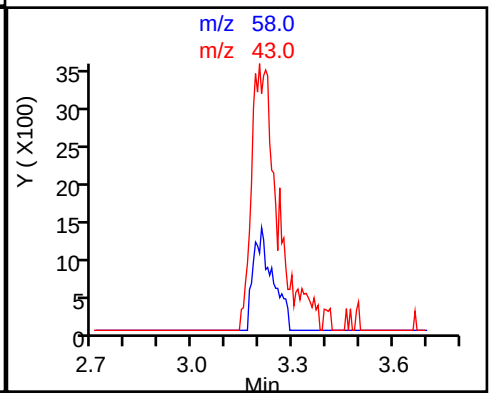








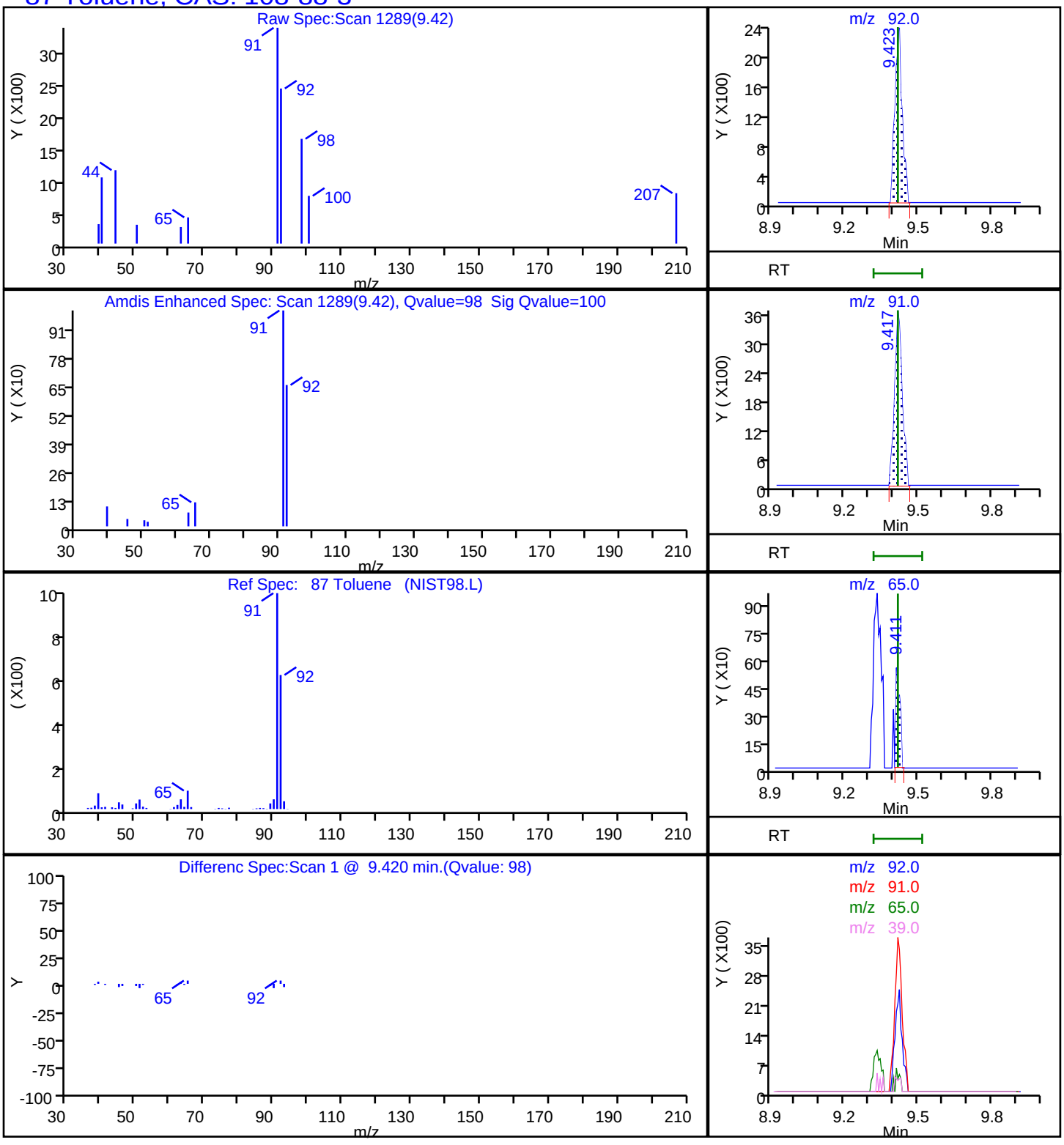




Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X34.D				
Injection Date:	07-Jul-2025 20:23:30	Instrument ID:	23297		
Lims ID:	410-229795-A-6	Lab Sample ID:	410-229795-6		
Client ID:	HD-QC1-0/1-3				
Operator ID:	clm27445	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

87 Toluene, CAS: 108-88-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID: HD-QC1-0/1-4
Lab Sample ID: 410-229795-7

Matrix: Water
Lab File ID: 4L07X35.D

Analysis Method: 8260D
Date Collected: 06/24/2025 12:30

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 20:46

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	5.8	J ^c cn	20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND	^c cn	1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID: HD-QC1-0/1-4
Lab Sample ID: 410-229795-7

Matrix: Water
Lab File ID: 4L07X35.D

Analysis Method: 8260D
Date Collected: 06/24/2025 12:30

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 20:46

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	0.43	J	1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	107		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X35.D
Lims ID: 410-229795-A-7
Client ID: HD-QC1-0/1-4
Sample Type: Client
Inject. Date: 07-Jul-2025 20:46:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0152552-026
Operator ID: clm27445 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 08-Jul-2025 11:12:45 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: N9NA Date: 08-Jul-2025 11:12:45

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	4 Chloromethane	50		1.964				ND	
	6 Vinyl chloride	62		2.056				ND	
	8 Bromomethane	94		2.372				ND	7
	9 Chloroethane	64		2.427				ND	
	17 1,1-Dichloroethene	96		3.187				ND	
	18 Acetone	58	3.206	3.199	0.007	100	5311	5.84	
	22 Carbon disulfide	76		3.455				ND	
	26 Methylene Chloride	84		3.765				ND	
*	27 t-Butyl alcohol-d10 (IS)	65	3.777	3.796	-0.019	41	424598	250.0	
	32 Methyl tert-butyl ether	73		4.130				ND	
	31 trans-1,2-Dichloroethene	96		4.136				ND	
	35 1,1-Dichloroethane	63		4.787				ND	
	40 2-Butanone (MEK)	43		5.615				ND	U
	41 cis-1,2-Dichloroethene	96		5.633				ND	
	48 Chlorobromomethane	128		5.973				ND	
	50 Chloroform	83		6.132				ND	
$	52 Dibromofluoromethane (Surr)	113	6.345	6.351	-0.006	93	217466	47.2	
	53 1,1,1-Trichloroethane	97		6.363				ND	
	55 Carbon tetrachloride	117		6.576				ND	
$	58 1,2-Dichloroethane-d4 (Surr)	102	6.801	6.807	-0.006	37	52188	47.1	
	59 Benzene	78		6.843				ND	7
	60 1,2-Dichloroethane	62		6.916				ND	
*	63 Fluorobenzene (IS)	96	7.251	7.263	-0.012	99	886121	50.0	
	66 Trichloroethene	95		7.750				ND	
	70 1,2-Dichloropropane	63		8.078				ND	
	77 Dichlorobromomethane	83		8.431				ND	
	80 cis-1,3-Dichloropropene	75		9.003				ND	
	81 4-Methyl-2-pentanone (MIBK)	43		9.198				ND	
$	82 Toluene-d8 (Surr)	98	9.332	9.338	-0.006	93	839914	53.7	
	87 Toluene	92	9.417	9.417	0.000	95	4317	0.4311	
	88 trans-1,3-Dichloropropene	75		9.697				ND	
	94 1,1,2-Trichloroethane	97		9.910				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
99 Tetrachloroethene	166		10.001				ND	
107 2-Hexanone	43		10.147				ND	
120 Chlorodibromomethane	129		10.299				ND	
124 Ethylene Dibromide	107		10.408				ND	
* 127 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	86	574275	50.0	
131 Chlorobenzene	112		10.889				ND	
133 1,1,1,2-Tetrachloroethane	131		10.974				ND	
134 Ethylbenzene	91		10.986				ND	7
136 m-Xylene & p-Xylene	106		11.102				ND	7
S 137 Xylenes, Total	106		11.245				ND	7
139 o-Xylene	106		11.443				ND	7
140 Styrene	104		11.455				ND	
141 Bromoform	173		11.607				ND	
$ 146 4-Bromofluorobenzene (Surr)	95	11.893	11.893	0.000	87	286830	50.1	
147 1,1,2,2-Tetrachloroethane	83		11.996				ND	
* 163 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	96	316613	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP04_ISSS_00005 Amount Added: 1.00 Units: uL Run Reagent

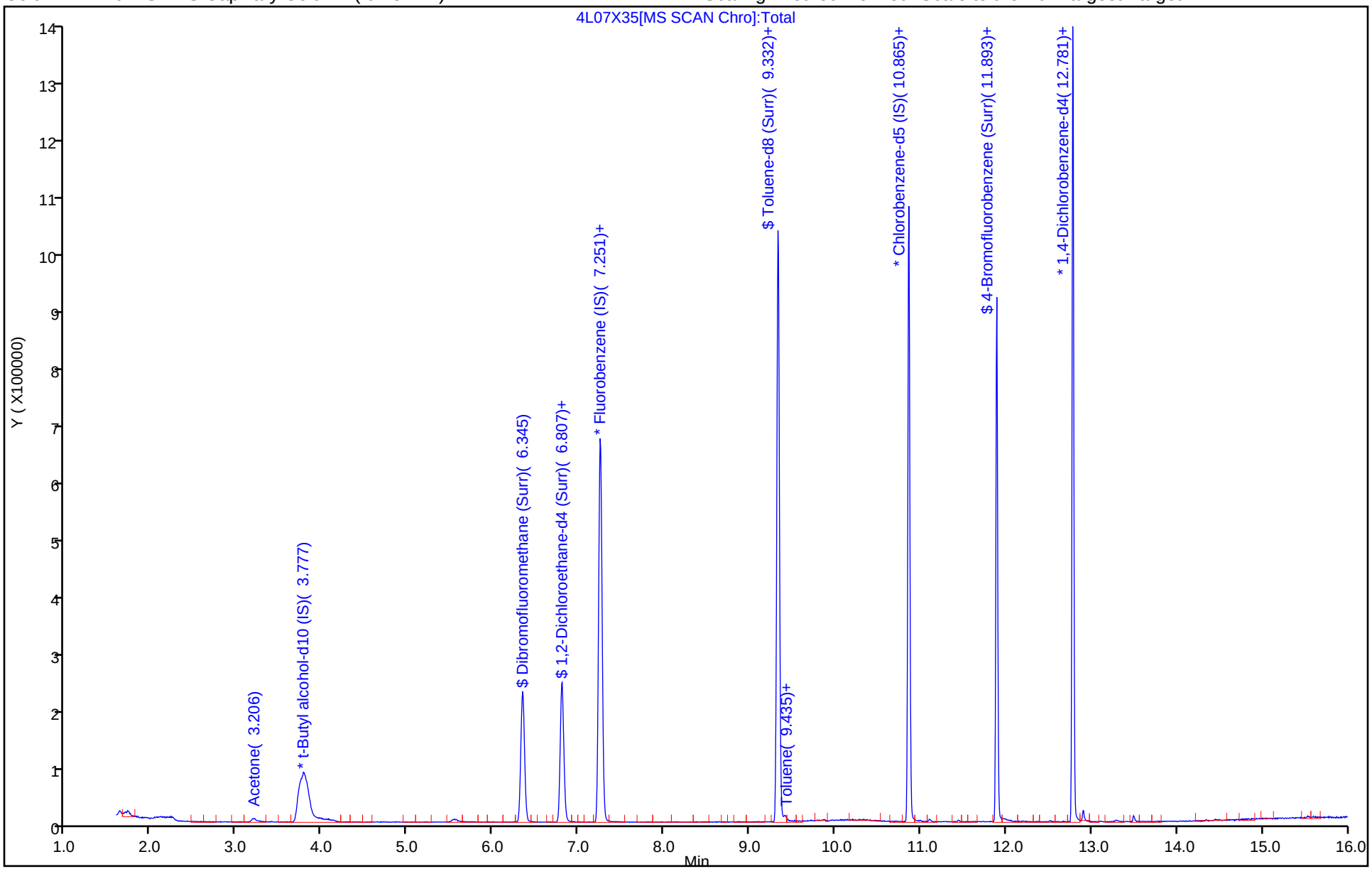
Report Date: 08-Jul-2025 11:12:46 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X35.D

Injection Date:	07-Jul-2025 20:46:30	Instrument ID:	23297	Operator ID:	clm27445
Lims ID:	410-229795-A-7	Lab Sample ID:	410-229795-7	Worklist Smp#:	26
Client ID:	HD-QC1-0/1-4				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X35.D				
Lims ID:	410-229795-A-7				
Client ID:	HD-QC1-0/1-4				
Sample Type:	Client				
Inject. Date:	07-Jul-2025 20:46:30	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0152552-026				
Operator ID:	clm27445	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	08-Jul-2025 11:12:45	Calib Date:	17-Mar-2025 20:21:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1625				

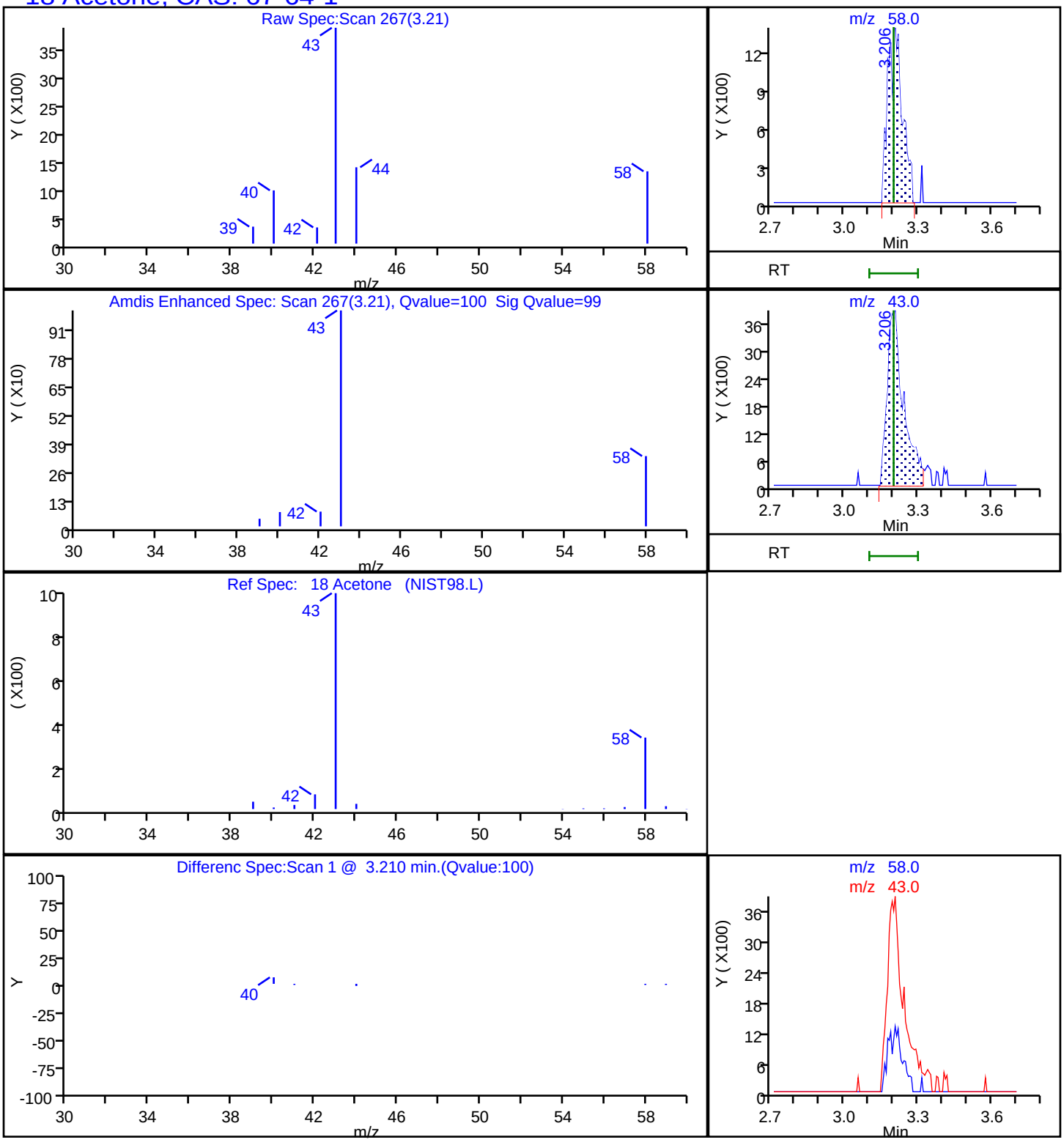
First Level Reviewer: N9NA Date: 08-Jul-2025 11:12:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	47.2	94.47
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	47.1	94.27
$ 82 Toluene-d8 (Surr)	50.0	53.7	107.37
$ 146 4-Bromofluorobenzene (Surr)	50.0	50.1	100.27

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X35.D				
Injection Date:	07-Jul-2025 20:46:30	Instrument ID:	23297		
Lims ID:	410-229795-A-7	Lab Sample ID:	410-229795-7		
Client ID:	HD-QC1-0/1-4				
Operator ID:	clm27445	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

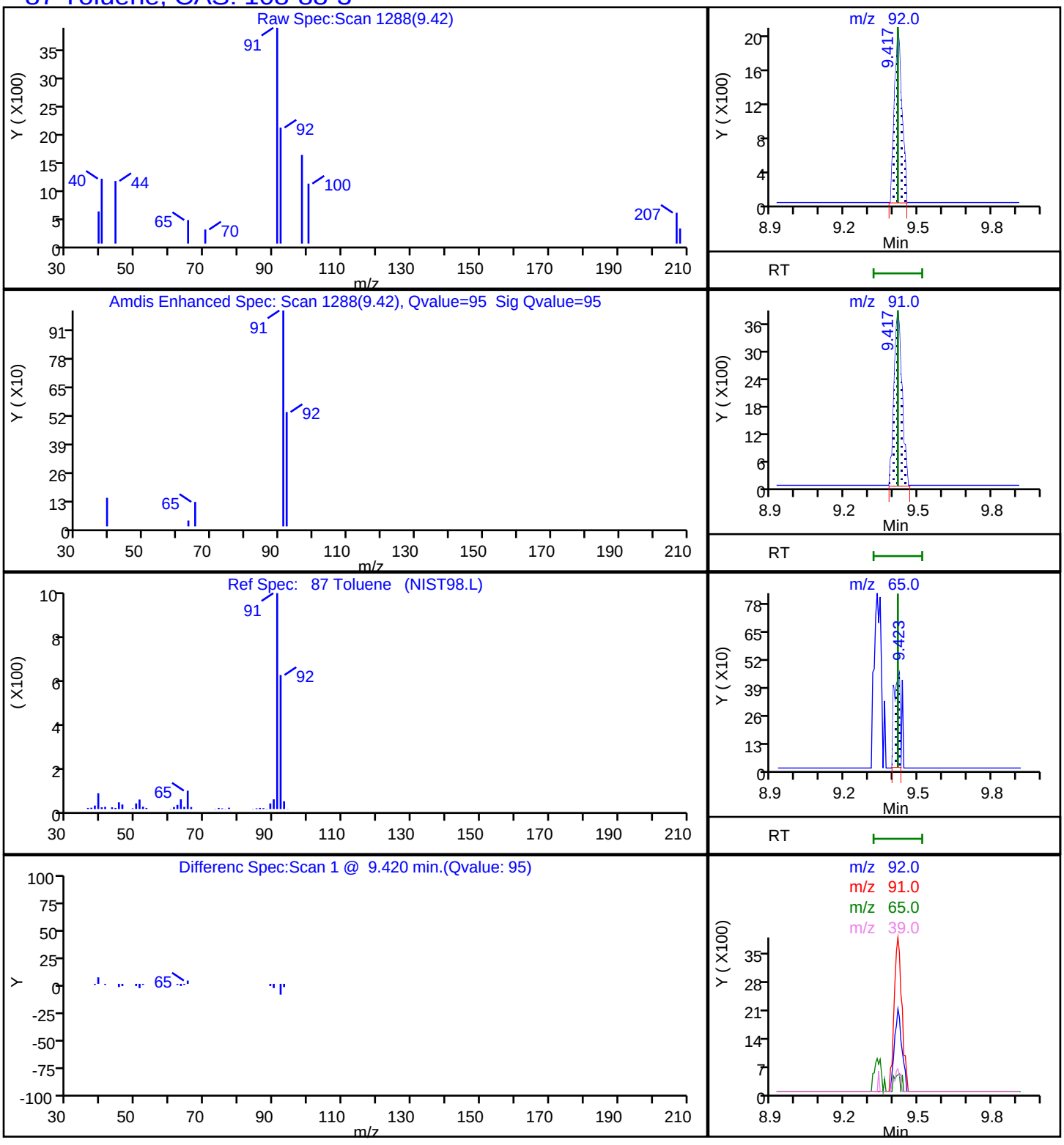
18 Acetone, CAS: 67-64-1



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X35.D				
Injection Date:	07-Jul-2025 20:46:30	Instrument ID:	23297		
Lims ID:	410-229795-A-7	Lab Sample ID:	410-229795-7		
Client ID:	HD-QC1-0/1-4				
Operator ID:	clm27445	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

87 Toluene, CAS: 108-88-3



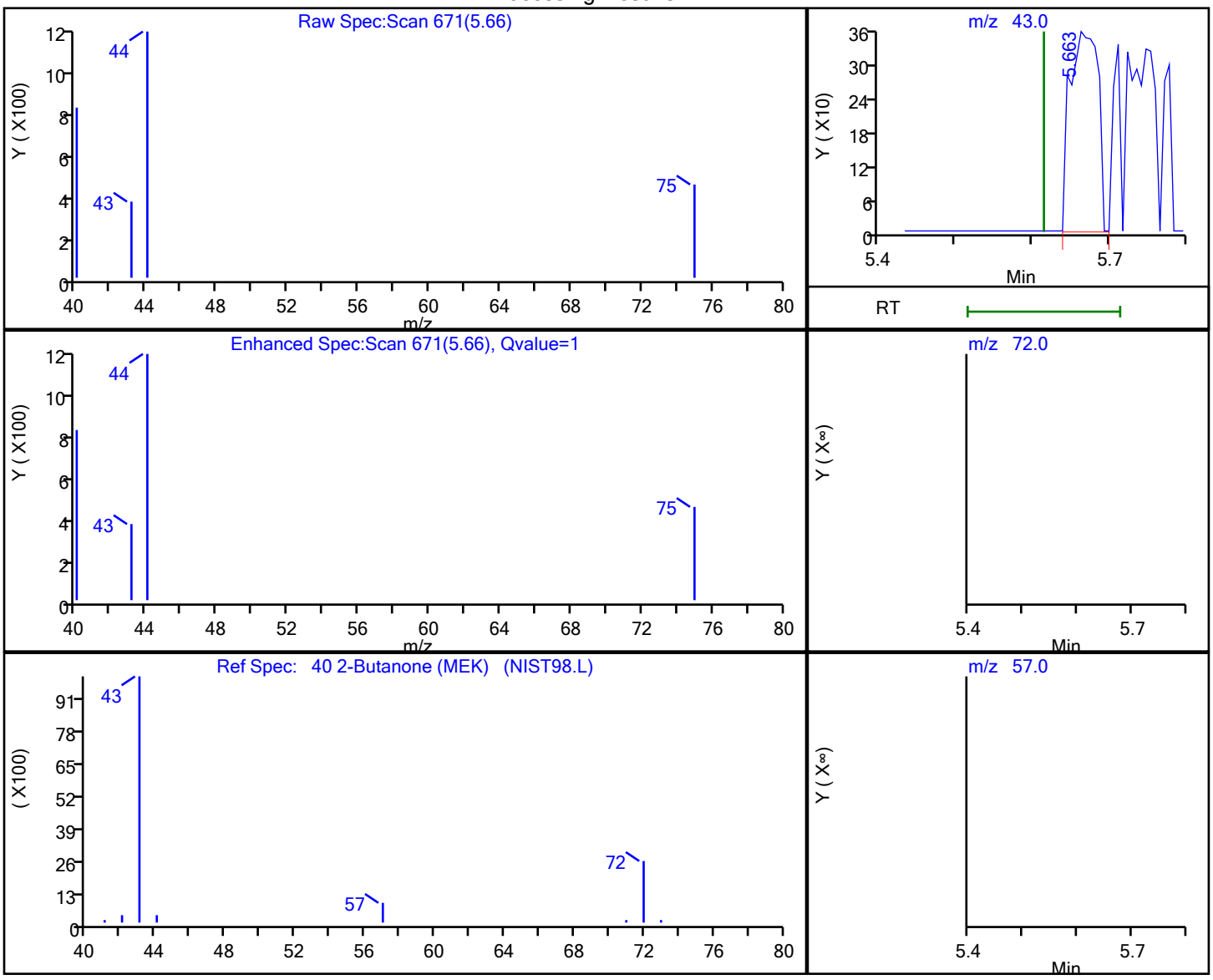
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X35.D				
Injection Date:	07-Jul-2025 20:46:30	Instrument ID:	23297		
Lims ID:	410-229795-A-7	Lab Sample ID:	410-229795-7		
Client ID:	HD-QC1-0/1-4				
Operator ID:	clm27445	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

40 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
5.66	43.00	907	0.191267
5.61	72.00	0	
5.61	57.00	0	

Reviewer: N9NA, 08-Jul-2025 11:12:25 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 14:42 Calibration End Date: 03/17/2025 16:35 Calibration ID: 70727

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-617813/3	4M17X02.D
Level 2	IC 410-617813/4	4M17X03.D
Level 3	IC 410-617813/5	4M17X04.D
Level 4	IC 410-617813/6	4M17X05.D
Level 5	IC 410-617813/7	4M17X06.D
Level 6	IC 410-617813/8	4M17X07.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	0.2422 0.2188	0.2395	0.2335	0.2285	0.2104	Ave		0.2288				5.4		20.0			
Chlorodifluoromethane	4.4711 3.7277	4.4693	3.9427	3.9851	3.5949	Ave		4.0318				9.1		20.0			
Freon 133a	0.4119 0.3490	0.3989	0.3772	0.3752	0.3425	Ave		0.3758				7.2		20.0			
Ethyl ether	0.1977 0.1866	0.2090	0.1930	0.2013	0.1835	Ave		0.1952				4.9		20.0			
Acetonitrile	0.9947 0.8191	1.0716	0.8290	0.8218	0.7818	Ave		0.8863				13.2		20.0			
Vinyl acetate	0.6158 0.6042	0.6677	0.6095	0.6065	0.5950	Ave		0.6164				4.2		20.0			
Ethyl acetate	0.4033 0.4044	0.3944	0.3921	0.3888	0.3863	Ave		0.3949				1.9		20.0			
Isopropyl acetate	0.7493 0.7439	0.7754	0.7356	0.7361	0.7150	Ave		0.7425				2.7		20.0			
n-Propyl acetate	0.1392 0.1625	0.1590	0.1544	0.1566	0.1544	Ave		0.1544				5.2		20.0			
3,4-Dichloro-1-butene	0.3954 0.4115	0.4107	0.3953	0.4131	0.3937	Ave		0.4033				2.3		20.0			
Butyl acetate	0.8233 0.8541	0.9020	0.8538	0.8595	0.8330	Ave		0.8543				3.2		20.0			
cis-1,4-Dichloro-2-butene	0.2094 0.2112	0.1965	0.2014	0.2102	0.2036	Ave		0.2054				2.9		20.0			
2,3,4-Trichlorobutene	0.6858 0.7383	0.6952	0.6905	0.7012	0.6787	Ave		0.6983				3.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 14:42 Calibration End Date: 03/17/2025 16:35 Calibration ID: 70727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Pentachloroethane	0.4526 0.4815	0.4259	0.4463	0.4365	0.4586	Ave		0.4503				4.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 14:42 Calibration End Date: 03/17/2025 16:35 Calibration ID: 70727

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-617813/3	4M17X02.D
Level 2	IC 410-617813/4	4M17X03.D
Level 3	IC 410-617813/5	4M17X04.D
Level 4	IC 410-617813/6	4M17X05.D
Level 5	IC 410-617813/7	4M17X06.D
Level 6	IC 410-617813/8	4M17X07.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	17127 1196047	45982	85922	207655	393041	4.00 300	10.0	20.0	50.0	100
Chlorodifluoromethane	TBAd10	Ave	36918 2230257	92277	163747	400044	748026	4.00 300	10.0	20.0	50.0	100
Freon 133a	FB	Ave	29126 1907585	76607	138828	340952	639688	4.00 300	10.0	20.0	50.0	100
Ethyl ether	FB	Ave	13977 1019708	40129	71025	182916	342658	4.00 300	10.00	20.0	50.0	100.0
Acetonitrile	TBAd10	Ave	41066 2450403	110624	172161	412477	813391	20.0 1500	50.0	100	250	500
Vinyl acetate	FB	Ave	43546 3302760	128210	224306	551074	1111324	4.00 300	10.0	20.0	50.0	100
Ethyl acetate	FB	Ave	28517 2210827	75730	144282	353307	721537	4.00 300	10.0	20.0	50.0	100
Isopropyl acetate	FB	Ave	52986 4066573	148900	270696	668822	1335585	4.00 300	10.0	20.0	50.0	100
n-Propyl acetate	FB	Ave	9845 888099	30533	56835	142328	288436	4.00 300	10.0	20.0	50.0	100
3,4-Dichloro-1-butene	CBZd5	Ave	20043 1638722	56647	105966	270784	539133	4.00 300	10.00	20.0	50.0	100.0
Butyl acetate	CBZd5	Ave	41743 3402024	124424	228951	563482	1140869	4.00 300	10.0	20.0	50.0	100
cis-1,4-Dichloro-2-butene	CBZd5	Ave	10615 841165	27096	53983	137762	278744	4.00 300	10.00	20.0	50.0	100.0
2,3,4-Trichlorobutene	DCBd4	Ave	21593 1807213	60638	115186	291829	582746	4.00 300	10.00	20.0	50.0	100.0
Pentachloroethane	DCBd4	Ave	14257 1179215	37166	74480	181759	393995	4.00 300	10.0	20.0	50.0	100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-229795-1 | Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 | GC Column: R-624SilMS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 14:42 | Calibration End Date: 03/17/2025 16:35 | Calibration ID: 70727

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-229795-1 | Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 | GC Column: R-624SilMS 3 ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 14:42 | Calibration End Date: 03/17/2025 16:35 | Calibration ID: 70727

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-617813/3	4M17X02.D
Level 2	IC 410-617813/4	4M17X03.D
Level 3	IC 410-617813/5	4M17X04.D
Level 4	IC 410-617813/6	4M17X05.D
Level 5	IC 410-617813/7	4M17X06.D
Level 6	IC 410-617813/8	4M17X07.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Chlorotrifluoroethene	5.8	4.7	2.0	-0.1	-8.0	-4.4	50	30	30	30	30	30
Chlorodifluoromethane	10.9	10.9	-2.2	-1.2	-10.8	-7.5	50	30	30	30	30	30
Freon 133a	9.6	6.2	0.4	-0.1	-8.9	-7.1	50	30	30	30	30	30
Ethyl ether	1.3	7.1	-1.1	3.2	-6.0	-4.4	50	30	30	30	30	30
Acetonitrile	12.2	20.9	-6.5	-7.3	-11.8	-7.6	50	30	30	30	30	30
Vinyl acetate	-0.1	8.3	-1.1	-1.6	-3.5	-2.0	50	30	30	30	30	30
Ethyl acetate	2.1	-0.1	-0.7	-1.5	-2.2	2.4	50	30	30	30	30	30
Isopropyl acetate	0.9	4.4	-0.9	-0.9	-3.7	0.2	50	30	30	30	30	30
n-Propyl acetate	-9.8	3.0	0.0	1.5	0.0	5.2	50	30	30	30	30	30
3,4-Dichloro-1-butene	-2.0	1.8	-2.0	2.4	-2.4	2.0	50	30	30	30	30	30
Butyl acetate	-3.6	5.6	-0.1	0.6	-2.5	0.0	50	30	30	30	30	30
cis-1,4-Dichloro-2-butene	2.0	-4.3	-1.9	2.3	-0.9	2.9	50	30	30	30	30	30
2,3,4-Trichlorobutene	-1.8	-0.4	-1.1	0.4	-2.8	5.7	50	30	30	30	30	30
Pentachloroethane	0.5	-5.4	-0.9	-3.0	1.9	6.9	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X02.D
Lims ID: IC sm v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Mar-2025 14:42:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141042-003
Misc. Info.: IC SM 4
Operator ID: mec29284 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub53

Method: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2025 12:31:31 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: TQ4J Date: 18-Mar-2025 06:51:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.727	1.733	-0.006	93	17127	4.00	4.23	
3 Chlorodifluoromethane	51	1.764	1.770	-0.006	96	36918	4.00	4.44	
7 2-Chloro-1,1,1-Trifluoroethane	118	2.104	2.104	0.000	33	29126	4.00	4.38	
14 Ethyl ether	59	2.883	2.889	-0.006	93	13977	4.00	4.05	
23 Acetonitrile	41	3.534	3.540	-0.006	98	41066	20.0	22.4	
* 27 t-Butyl alcohol-d10 (IS)	65	3.814	3.814	0.000	29	516062	250.0	250.0	
36 Vinyl acetate	43	4.787	4.781	0.006	97	43546	4.00	4.00	
44 Ethyl acetate	43	5.681	5.682	-0.001	98	28517	4.00	4.08	M
61 Isopropyl acetate	43	6.947	6.947	0.000	98	52986	4.00	4.04	
* 63 Fluorobenzene (IS)	96	7.251	7.257	-0.006	99	883940	50.0	50.0	
75 n-Propyl acetate	61	8.261	8.261	0.000	99	9845	4.00	3.61	
108 3,4-Dichloro-1-butene	75	10.116	10.116	0.000	91	20043	4.00	3.92	
113 n-Butyl acetate	43	10.275	10.275	0.000	98	41743	4.00	3.86	
* 125 Chlorobenzene-d5 (IS)	117	10.859	10.865	-0.006	85	633761	50.0	50.0	
143 cis-1,4-Dichloro-2-butene	88	11.795	11.796	-0.001	0	10615	4.00	4.08	
154 2,3,4-Trichlorobutene	109	12.270	12.270	0.000	0	21593	4.00	3.93	
156 Pentachloroethane	167	12.495	12.495	0.000	92	14257	4.00	4.02	
* 161 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	94	393742	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00046	Amount Added:	4.00	Units: uL
MSV_CCV_Penta_00061	Amount Added:	4.00	Units: uL
MSV_CCV_EE_00008	Amount Added:	4.00	Units: uL
MSV_CCV_LKB_00013	Amount Added:	4.00	Units: uL
MSV_V_SMFreon_00065	Amount Added:	2.00	Units: uL
MSV_HP04_ISO_00003	Amount Added:	1.00	Units: uL

Report Date: 18-Mar-2025 12:31:32 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X02.D

Injection Date: 17-Mar-2025 14:42:30 Instrument ID: 23297 Operator ID: mec29284

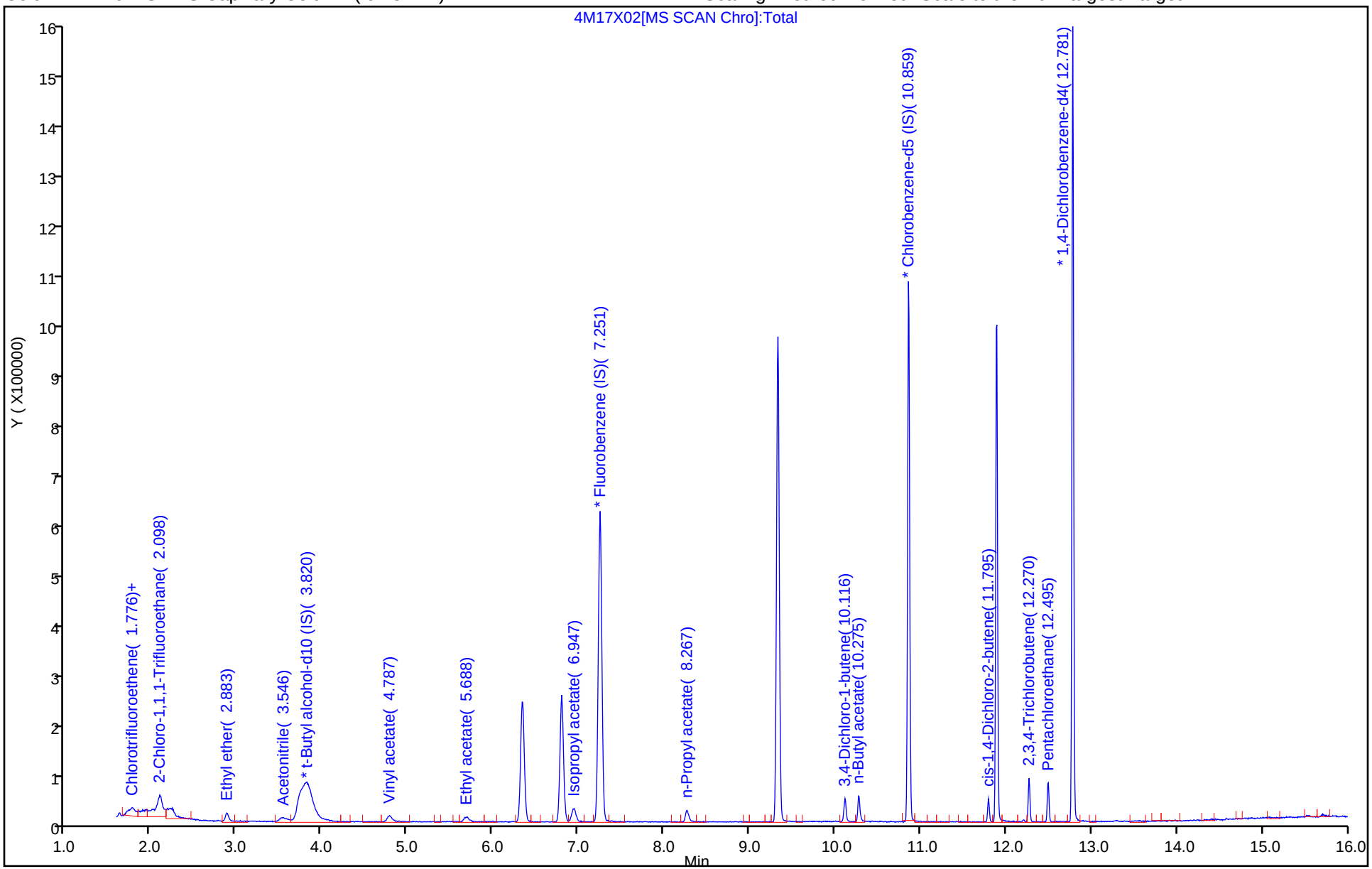
Lims ID: IC sm v4 Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

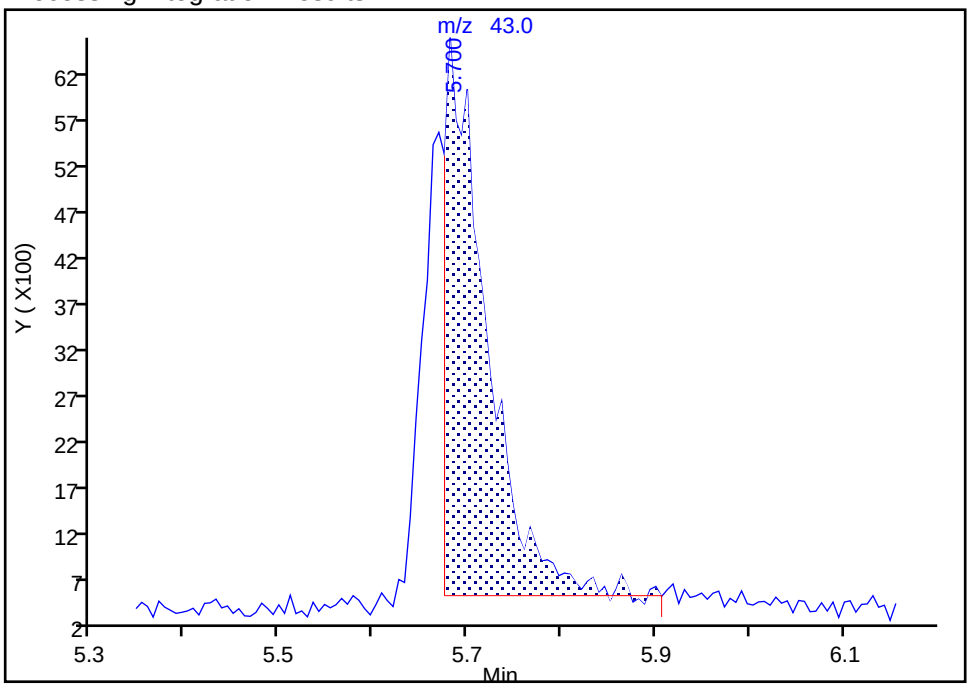
Data File:	\\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X02.D				
Injection Date:	17-Mar-2025 14:42:30	Instrument ID:	23297		
Lims ID:	IC sm v4				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

44 Ethyl acetate, CAS: 141-78-6

Signal: 1

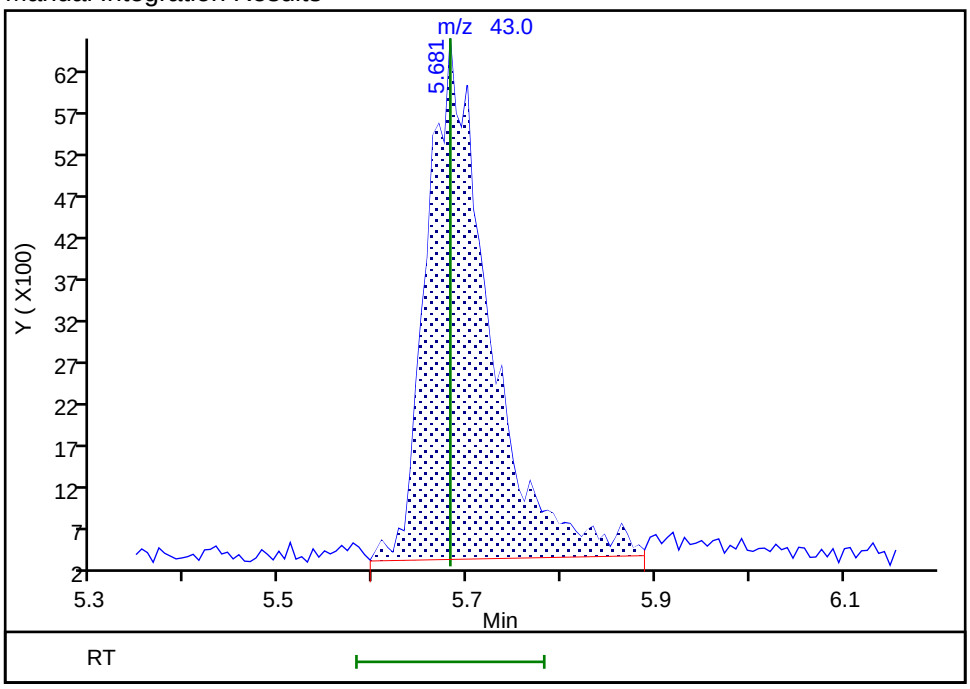
Processing Integration Results

RT: 5.70
Area: 18780
Amount: 2.856179
Amount Units: ug/l



Manual Integration Results

RT: 5.68
Area: 28517
Amount: 4.084987
Amount Units: ug/l



Reviewer: TQ4J, 18-Mar-2025 06:51:16 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X03.D
Lims ID: IC sm v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Mar-2025 15:05:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141042-004
Misc. Info.: IC SM 10
Operator ID: mec29284 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub53

Method: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2025 12:31:34 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: TQ4J Date: 18-Mar-2025 06:54:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.746	1.733	0.013	94	45982	10.0	10.5	
3 Chlorodifluoromethane	51	1.782	1.770	0.012	97	92277	10.0	11.1	
7 2-Chloro-1,1,1-Trifluoroethane	118	2.117	2.104	0.013	35	76607	10.0	10.6	
14 Ethyl ether	59	2.895	2.889	0.006	93	40129	10.0	10.7	
23 Acetonitrile	41	3.546	3.540	0.006	99	110624	50.0	60.4	
* 27 t-Butyl alcohol-d10 (IS)	65	3.838	3.814	0.024	29	516175	250.0	250.0	
36 Vinyl acetate	43	4.793	4.781	0.012	97	128210	10.0	10.8	
44 Ethyl acetate	43	5.688	5.682	0.006	99	75730	10.0	9.99	
61 Isopropyl acetate	43	6.947	6.947	0.000	98	148900	10.0	10.4	
* 63 Fluorobenzene (IS)	96	7.257	7.257	0.000	99	960141	50.0	50.0	
75 n-Propyl acetate	61	8.273	8.261	0.012	99	30533	10.0	10.3	
108 3,4-Dichloro-1-butene	75	10.117	10.116	0.001	92	56647	10.0	10.2	
113 n-Butyl acetate	43	10.275	10.275	0.000	98	124424	10.0	10.6	
* 125 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	85	689747	50.0	50.0	
143 cis-1,4-Dichloro-2-butene	88	11.796	11.796	0.000	0	27096	10.0	9.56	
154 2,3,4-Trichlorobutene	109	12.270	12.270	0.000	0	60638	10.0	9.95	
156 Pentachloroethane	167	12.495	12.495	0.000	92	37166	10.0	9.46	
* 161 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	94	436303	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00046	Amount Added:	2.00	Units: uL
MSV_CCV_Penta_00061	Amount Added:	2.00	Units: uL
MSV_CCV_EE_00008	Amount Added:	2.00	Units: uL
MSV_V_SMFreon_00065	Amount Added:	1.00	Units: uL
MSV_CCV_LKB_00013	Amount Added:	2.00	Units: uL
MSV_HP04_ISO_00003	Amount Added:	1.00	Units: uL

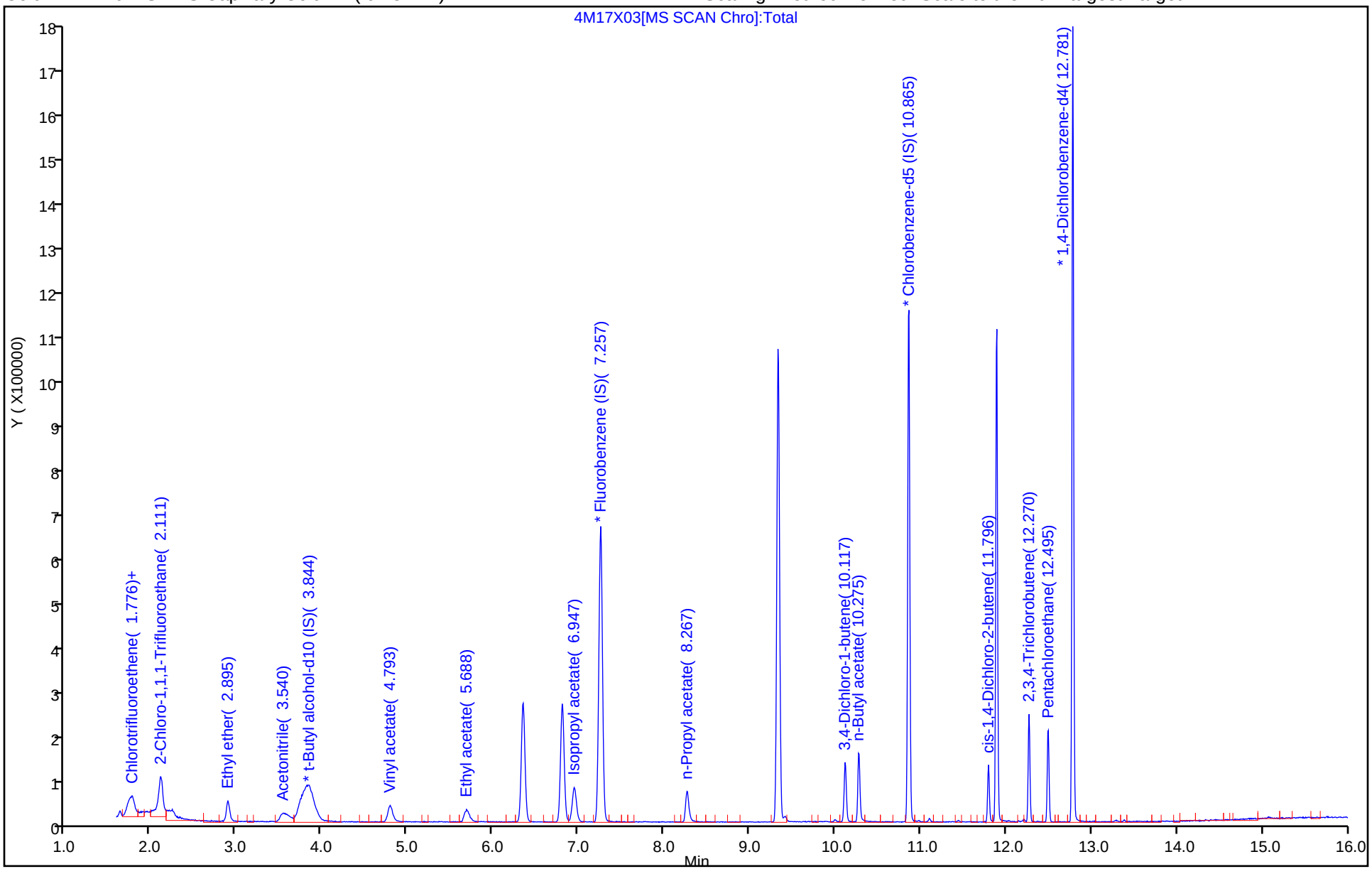
Report Date: 18-Mar-2025 12:31:34 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X03.D

Injection Date:	17-Mar-2025 15:05:30	Instrument ID:	23297	Operator ID:	mec29284
Lims ID:	IC sm v10			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X04.D
Lims ID: IC sm v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Mar-2025 15:27:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141042-005
Misc. Info.: IC SM 20
Operator ID: mec29284 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub53

Method: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2025 12:31:36 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: TQ4J Date: 18-Mar-2025 06:55:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.727	1.727	0.000	92	85922	20.0	20.4	
3 Chlorodifluoromethane	51	1.764	1.764	0.000	97	163747	20.0	19.6	
7 2-Chloro-1,1,1-Trifluoroethane	118	2.098	2.098	0.000	33	138828	20.0	20.1	
14 Ethyl ether	59	2.883	2.883	0.000	93	71025	20.0	19.8	
23 Acetonitrile	41	3.534	3.534	0.000	100	172161	100.0	93.5	
* 27 t-Butyl alcohol-d10 (IS)	65	3.814	3.814	0.000	29	519152	250.0	250.0	
36 Vinyl acetate	43	4.775	4.775	0.000	97	224306	20.0	19.8	
44 Ethyl acetate	43	5.675	5.675	0.000	99	144282	20.0	19.9	
61 Isopropyl acetate	43	6.941	6.941	0.000	98	270696	20.0	19.8	
* 63 Fluorobenzene (IS)	96	7.251	7.251	0.000	99	920042	50.0	50.0	
75 n-Propyl acetate	61	8.261	8.261	0.000	99	56835	20.0	20.0	
108 3,4-Dichloro-1-butene	75	10.116	10.116	0.000	93	105966	20.0	19.6	
113 n-Butyl acetate	43	10.275	10.275	0.000	98	228951	20.0	20.0	
* 125 Chlorobenzene-d5 (IS)	117	10.859	10.859	0.000	85	670376	50.0	50.0	
143 cis-1,4-Dichloro-2-butene	88	11.796	11.796	0.000	0	53983	20.0	19.6	
154 2,3,4-Trichlorobutene	109	12.270	12.270	0.000	0	115186	20.0	19.8	
156 Pentachloroethane	167	12.495	12.495	0.000	93	74480	20.0	19.8	
* 161 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	94	417214	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00046	Amount Added:	4.00	Units: uL
MSV_CCV_Penta_00061	Amount Added:	4.00	Units: uL
MSV_CCV_EE_00008	Amount Added:	4.00	Units: uL
MSV_V_SMFreon_00065	Amount Added:	2.00	Units: uL
MSV_CCV_LKB_00013	Amount Added:	4.00	Units: uL
MSV_HP04_ISO_00003	Amount Added:	1.00	Units: uL

Report Date: 18-Mar-2025 12:31:37 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X04.D

Injection Date: 17-Mar-2025 15:27:30 Instrument ID: 23297 Operator ID: mec29284

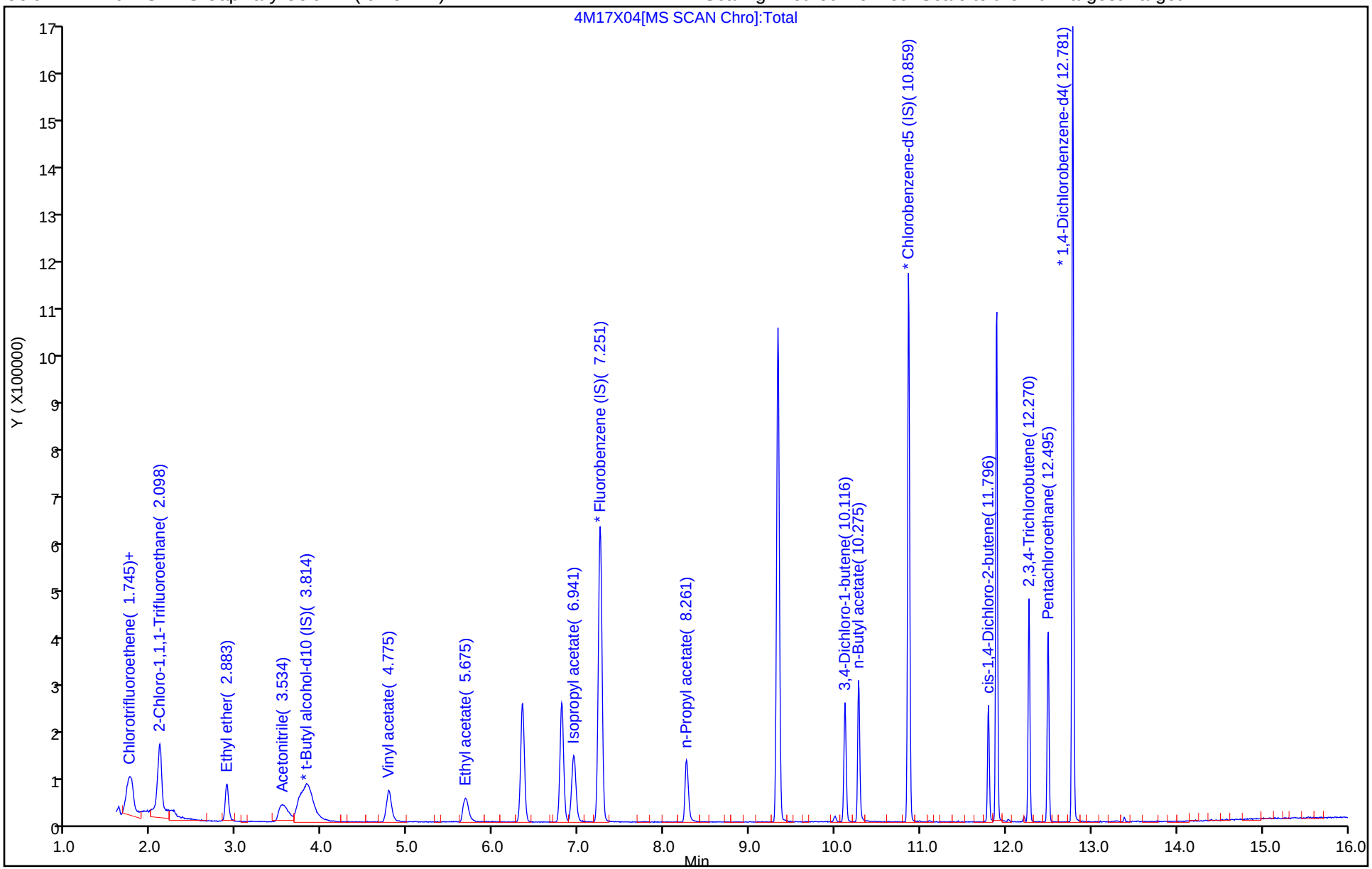
Lims ID: IC sm v20 Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X05.D
Lims ID: IC sm v50
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Mar-2025 15:50:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141042-006
Misc. Info.: IC SM 50
Operator ID: mec29284 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub53

Method: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2025 12:31:38 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: TQ4J Date: 18-Mar-2025 06:55:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.733	1.733	0.000	95	207655	50.0	49.9	
3 Chlorodifluoromethane	51	1.770	1.770	0.000	97	400044	50.0	49.4	
7 2-Chloro-1,1,1-Trifluoroethane	118	2.104	2.104	0.000	34	340952	50.0	49.9	
14 Ethyl ether	59	2.889	2.889	0.000	92	182916	50.0	51.6	
23 Acetonitrile	41	3.540	3.540	0.000	100	412477	250.0	231.8	
* 27 t-Butyl alcohol-d10 (IS)	65	3.832	3.832	0.000	29	501923	250.0	250.0	
36 Vinyl acetate	43	4.781	4.781	0.000	97	551074	50.0	49.2	
44 Ethyl acetate	43	5.682	5.682	0.000	99	353307	50.0	49.2	
61 Isopropyl acetate	43	6.947	6.947	0.000	98	668822	50.0	49.6	
* 63 Fluorobenzene (IS)	96	7.257	7.257	0.000	99	908642	50.0	50.0	
75 n-Propyl acetate	61	8.261	8.261	0.000	99	142328	50.0	50.7	
108 3,4-Dichloro-1-butene	75	10.116	10.116	0.000	92	270784	50.0	51.2	
113 n-Butyl acetate	43	10.275	10.275	0.000	98	563482	50.0	50.3	
* 125 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	85	655604	50.0	50.0	
143 cis-1,4-Dichloro-2-butene	88	11.796	11.796	0.000	0	137762	50.0	51.2	
154 2,3,4-Trichlorobutene	109	12.270	12.270	0.000	0	291829	50.0	50.2	
156 Pentachloroethane	167	12.495	12.495	0.000	93	181759	50.0	48.5	
* 161 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	94	416356	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00046	Amount Added:	5.00	Units: uL
MSV_CCV_Penta_00061	Amount Added:	5.00	Units: uL
MSV_CCV_EE_00008	Amount Added:	5.00	Units: uL
MSV_V_SMFreon_00065	Amount Added:	2.50	Units: uL
MSV_CCV_LKB_00013	Amount Added:	5.00	Units: uL
MSV_HP04_ISO_00003	Amount Added:	1.00	Units: uL

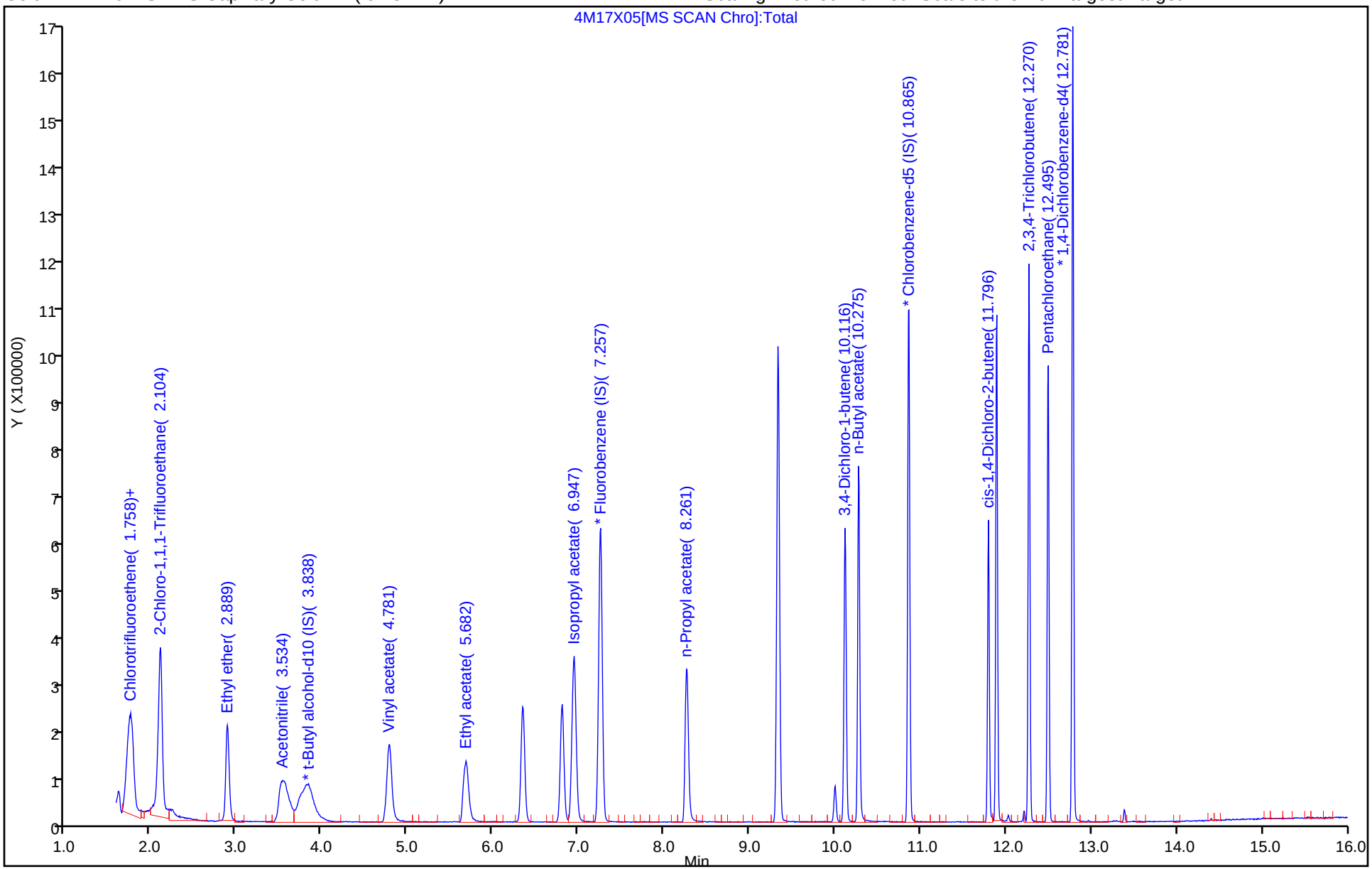
Report Date: 18-Mar-2025 12:31:39 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X05.D

Injection Date:	17-Mar-2025 15:50:30	Instrument ID:	23297	Operator ID:	mec29284
Lims ID:	IC sm v50			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X06.D
Lims ID: IC sm v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 17-Mar-2025 16:13:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141042-007
Misc. Info.: IC SM 100
Operator ID: mec29284 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub53

Method: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2025 12:31:43 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: TQ4J Date: 18-Mar-2025 06:56:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.727	1.733	-0.006	93	393041	100.0	92.0	
3 Chlorodifluoromethane	51	1.764	1.770	-0.006	97	748026	100.0	89.2	
7 2-Chloro-1,1,1-Trifluoroethane	118	2.098	2.104	-0.006	34	639688	100.0	91.1	
14 Ethyl ether	59	2.883	2.889	-0.006	93	342658	100.0	94.0	
23 Acetonitrile	41	3.522	3.540	-0.018	99	813391	500.0	441.0	
* 27 t-Butyl alcohol-d10 (IS)	65	3.832	3.832	0.000	29	520202	250.0	250.0	
36 Vinyl acetate	43	4.775	4.781	-0.006	97	1111324	100.0	96.5	
44 Ethyl acetate	43	5.676	5.682	-0.006	99	721537	100.0	97.8	
61 Isopropyl acetate	43	6.941	6.947	-0.006	98	1335585	100.0	96.3	
* 63 Fluorobenzene (IS)	96	7.251	7.257	-0.006	99	933933	50.0	50.0	
75 n-Propyl acetate	61	8.261	8.261	0.000	99	288436	100.0	100.0	
108 3,4-Dichloro-1-butene	75	10.117	10.116	0.001	93	539133	100.0	97.6	
113 n-Butyl acetate	43	10.275	10.275	0.000	98	1140869	100.0	97.5	
* 125 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	87	684831	50.0	50.0	
143 cis-1,4-Dichloro-2-butene	88	11.796	11.796	0.000	0	278744	100.0	99.1	
154 2,3,4-Trichlorobutene	109	12.270	12.270	0.000	0	582746	100.0	97.1	
156 Pentachloroethane	167	12.495	12.495	0.000	94	393995	100.0	101.9	
* 161 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	95	429524	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00046	Amount Added:	5.00	Units: uL
MSV_CCV_Penta_00061	Amount Added:	5.00	Units: uL
MSV_CCV_EE_00008	Amount Added:	5.00	Units: uL
MSV_V_SMFreon_00065	Amount Added:	2.50	Units: uL
MSV_CCV_LKB_00013	Amount Added:	5.00	Units: uL
MSV_HP04_ISO_00003	Amount Added:	1.00	Units: uL

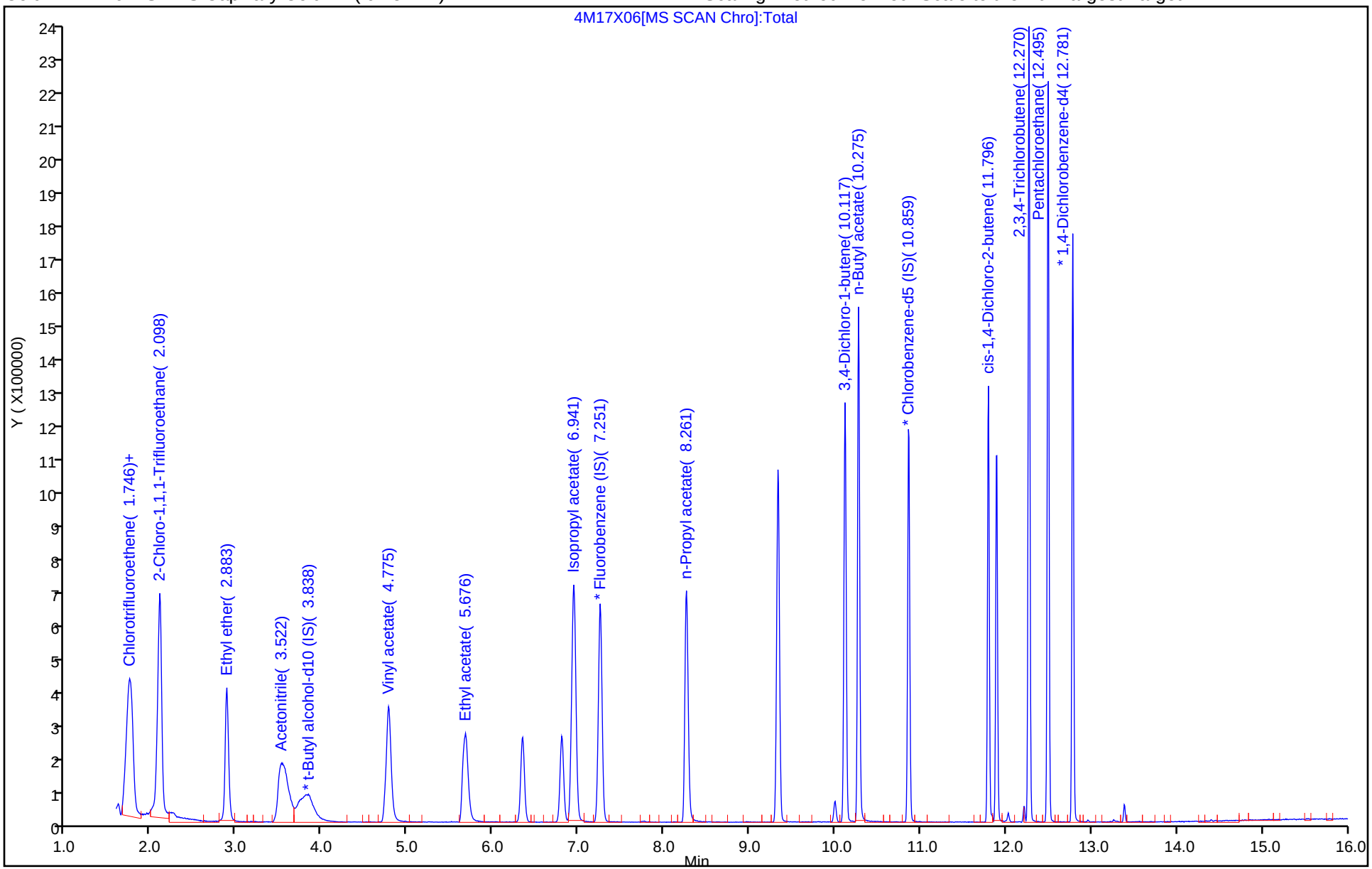
Report Date: 18-Mar-2025 12:31:43 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X06.D

Injection Date:	17-Mar-2025 16:13:30	Instrument ID:	23297	Operator ID:	mec29284
Lims ID:	IC sm v100			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X07.D
Lims ID: IC sm v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Mar-2025 16:35:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141042-008
Misc. Info.: IC SM 300
Operator ID: mec29284 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub53

Method: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2025 12:31:45 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: TQ4J Date: 18-Mar-2025 06:56:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.721	1.733	-0.012	93	1196047	300.0	286.9	
3 Chlorodifluoromethane	51	1.764	1.770	-0.006	97	2230257	300.0	277.4	
7 2-Chloro-1,1,1-Trifluoroethane	118	2.098	2.104	-0.006	34	1907585	300.0	278.6	
14 Ethyl ether	59	2.877	2.889	-0.012	92	1019708	300.0	286.7	
23 Acetonitrile	41	3.522	3.540	-0.018	99	2450403	1500.0	1386.3	
* 27 t-Butyl alcohol-d10 (IS)	65	3.814	3.832	-0.018	29	498577	250.0	250.0	
36 Vinyl acetate	43	4.775	4.781	-0.006	97	3302760	300.0	294.0	
44 Ethyl acetate	43	5.669	5.682	-0.013	99	2210827	300.0	307.3	
61 Isopropyl acetate	43	6.941	6.947	-0.006	98	4066573	300.0	300.6	
* 63 Fluorobenzene (IS)	96	7.251	7.257	-0.006	99	911049	50.0	50.0	
75 n-Propyl acetate	61	8.261	8.261	0.000	99	888099	300.0	315.7	
108 3,4-Dichloro-1-butene	75	10.116	10.116	0.000	93	1638722	299.9	306.0	
113 n-Butyl acetate	43	10.275	10.275	-0.001	98	3402024	300.0	299.9	
* 125 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	85	663877	50.0	50.0	
143 cis-1,4-Dichloro-2-butene	88	11.795	11.796	-0.001	0	841165	299.9	308.5	
154 2,3,4-Trichlorobutene	109	12.270	12.270	0.000	0	1807213	299.9	317.1	
156 Pentachloroethane	167	12.495	12.495	0.000	94	1179215	300.0	320.8	
* 161 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	95	408151	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00046	Amount Added:	15.00	Units: uL
MSV_CCV_Penta_00061	Amount Added:	15.00	Units: uL
MSV_CCV_EE_00008	Amount Added:	15.00	Units: uL
MSV_V_SMFreon_00065	Amount Added:	7.50	Units: uL
MSV_CCV_LKB_00013	Amount Added:	15.00	Units: uL
MSV_HP04_ISO_00003	Amount Added:	1.00	Units: uL

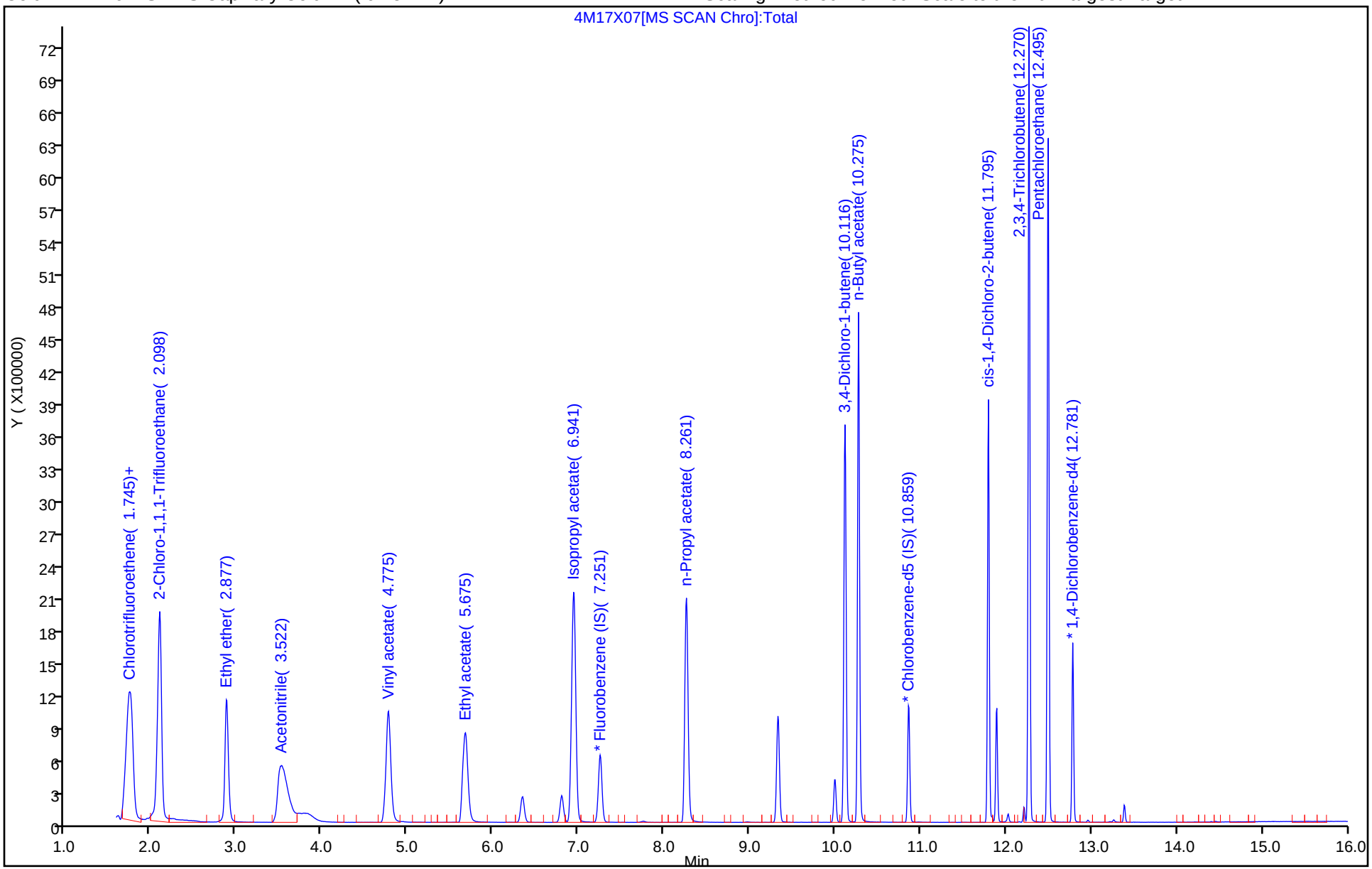
Report Date: 18-Mar-2025 12:31:46 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X07.D

Injection Date:	17-Mar-2025 16:35:30	Instrument ID:	23297	Operator ID:	mec29284
Lims ID:	IC sm v300			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Calibration / Chlorotrifluoroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

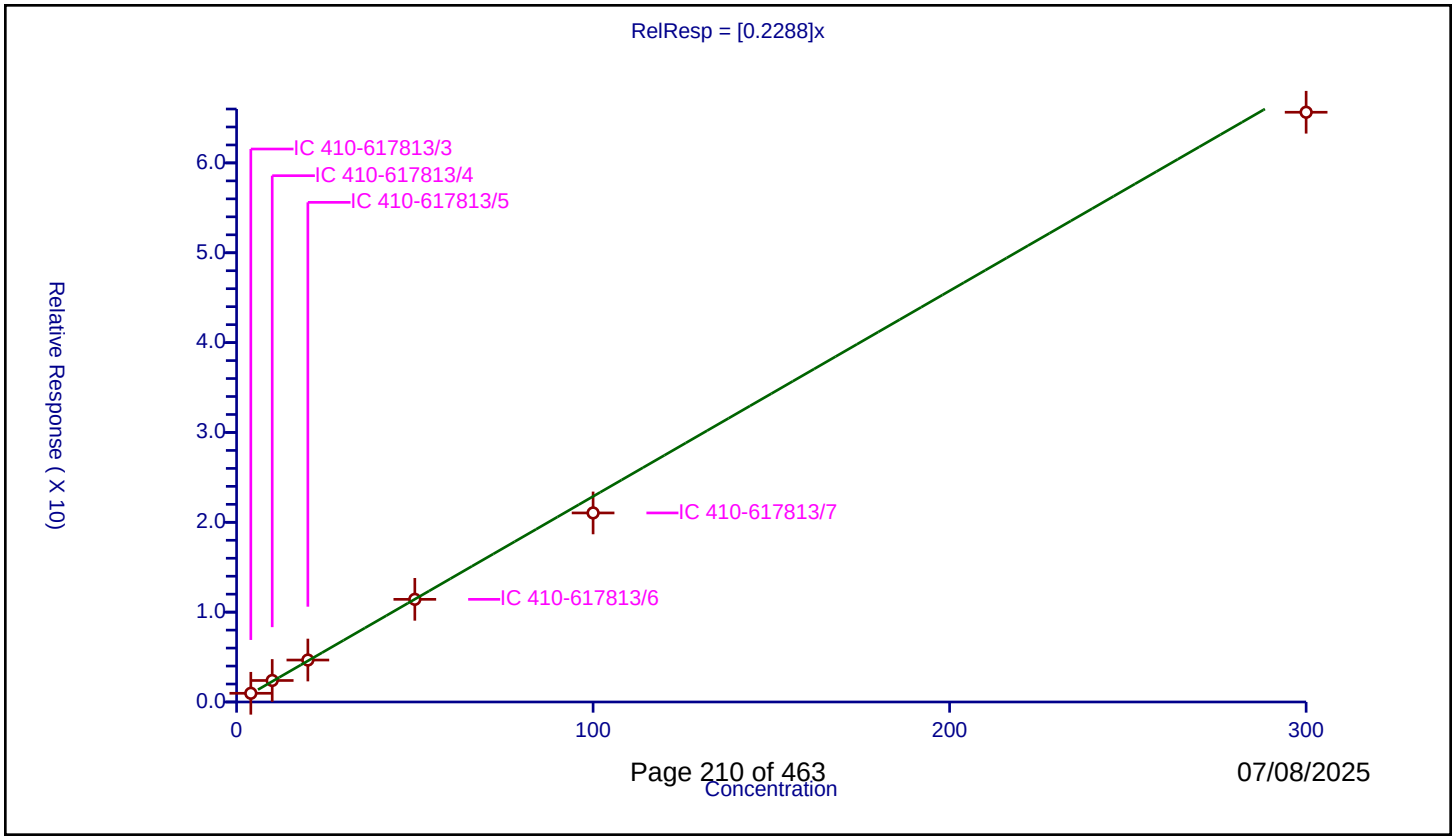
Curve Coefficients

Intercept:	0
Slope:	0.2288

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/3	4.0	0.968787	50.0	883940.0	0.242197	Y
2	IC 410-617813/4	10.0	2.394544	50.0	960141.0	0.239454	Y
3	IC 410-617813/5	20.0	4.669461	50.0	920042.0	0.233473	Y
4	IC 410-617813/6	50.0	11.426667	50.0	908642.0	0.228533	Y
5	IC 410-617813/7	100.0	21.042248	50.0	933933.0	0.210422	Y
6	IC 410-617813/8	300.0	65.6412	50.0	911049.0	0.218804	Y



Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

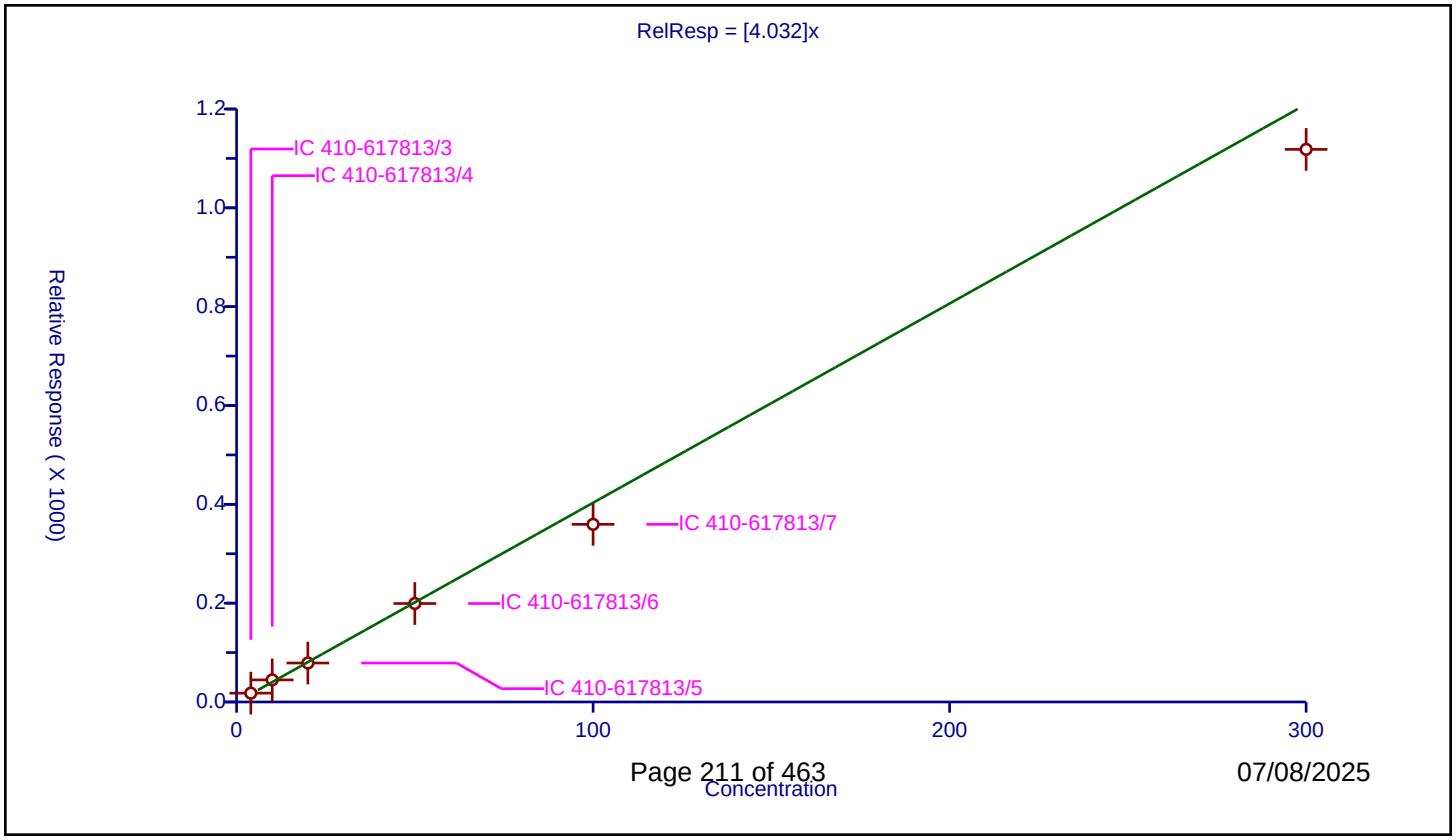
Curve Coefficients

Intercept:	0
Slope:	4.032

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/3	4.0	17.884479	250.0	516062.0	4.47112	Y
2	IC 410-617813/4	10.0	44.692691	250.0	516175.0	4.469269	Y
3	IC 410-617813/5	20.0	78.85311	250.0	519152.0	3.942656	Y
4	IC 410-617813/6	50.0	199.255663	250.0	501923.0	3.985113	Y
5	IC 410-617813/7	100.0	359.488237	250.0	520202.0	3.594882	Y
6	IC 410-617813/8	300.0	1118.311214	250.0	498577.0	3.727704	Y



Calibration / 2-Chloro-1,1,1-Trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

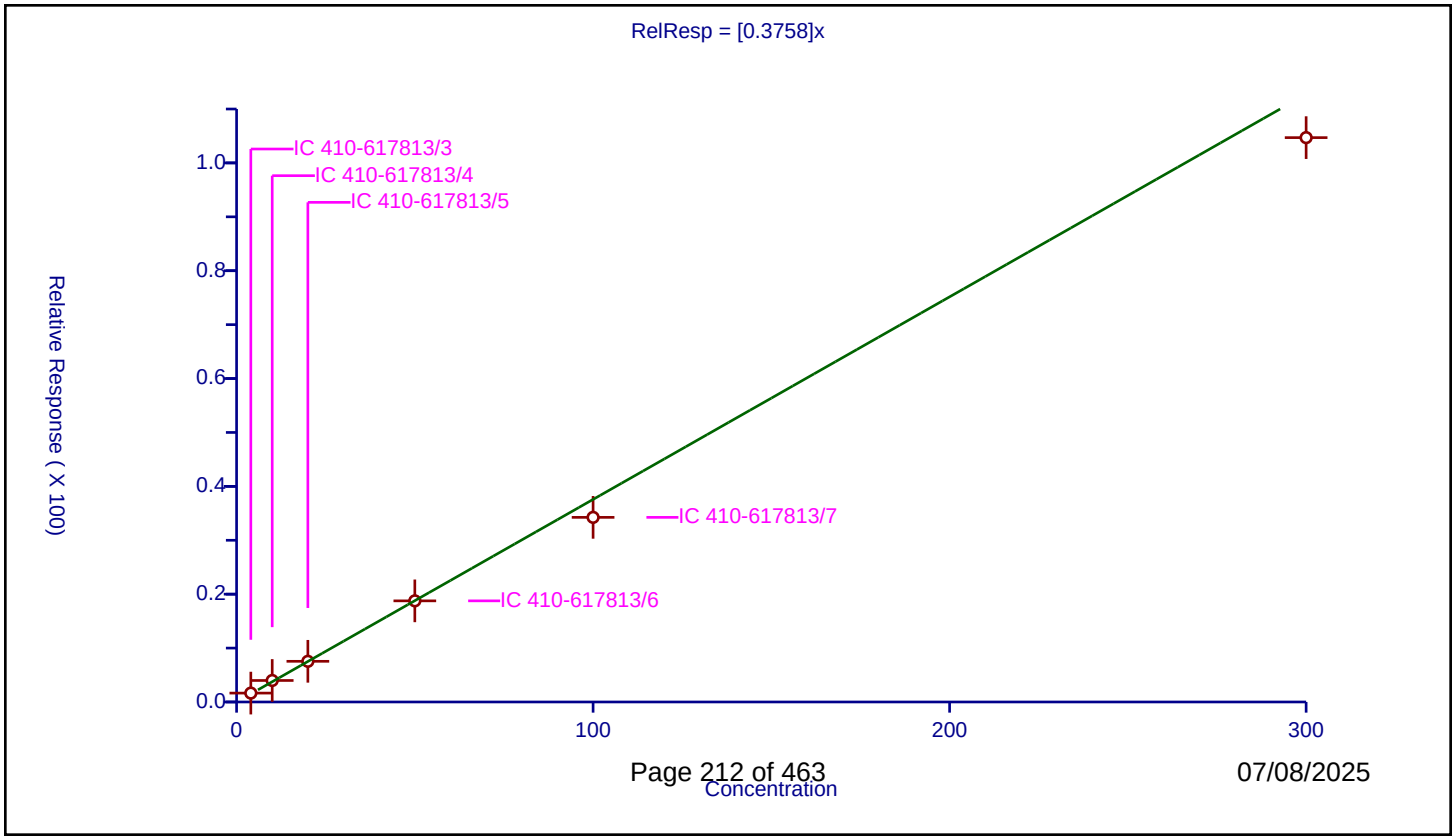
Curve Coefficients

Intercept:	0
Slope:	0.3758

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/3	4.0	1.64751	50.0	883940.0	0.411878	Y
2	IC 410-617813/4	10.0	3.989362	50.0	960141.0	0.398936	Y
3	IC 410-617813/5	20.0	7.544656	50.0	920042.0	0.377233	Y
4	IC 410-617813/6	50.0	18.761624	50.0	908642.0	0.375232	Y
5	IC 410-617813/7	100.0	34.246996	50.0	933933.0	0.34247	Y
6	IC 410-617813/8	300.0	104.69168	50.0	911049.0	0.348972	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

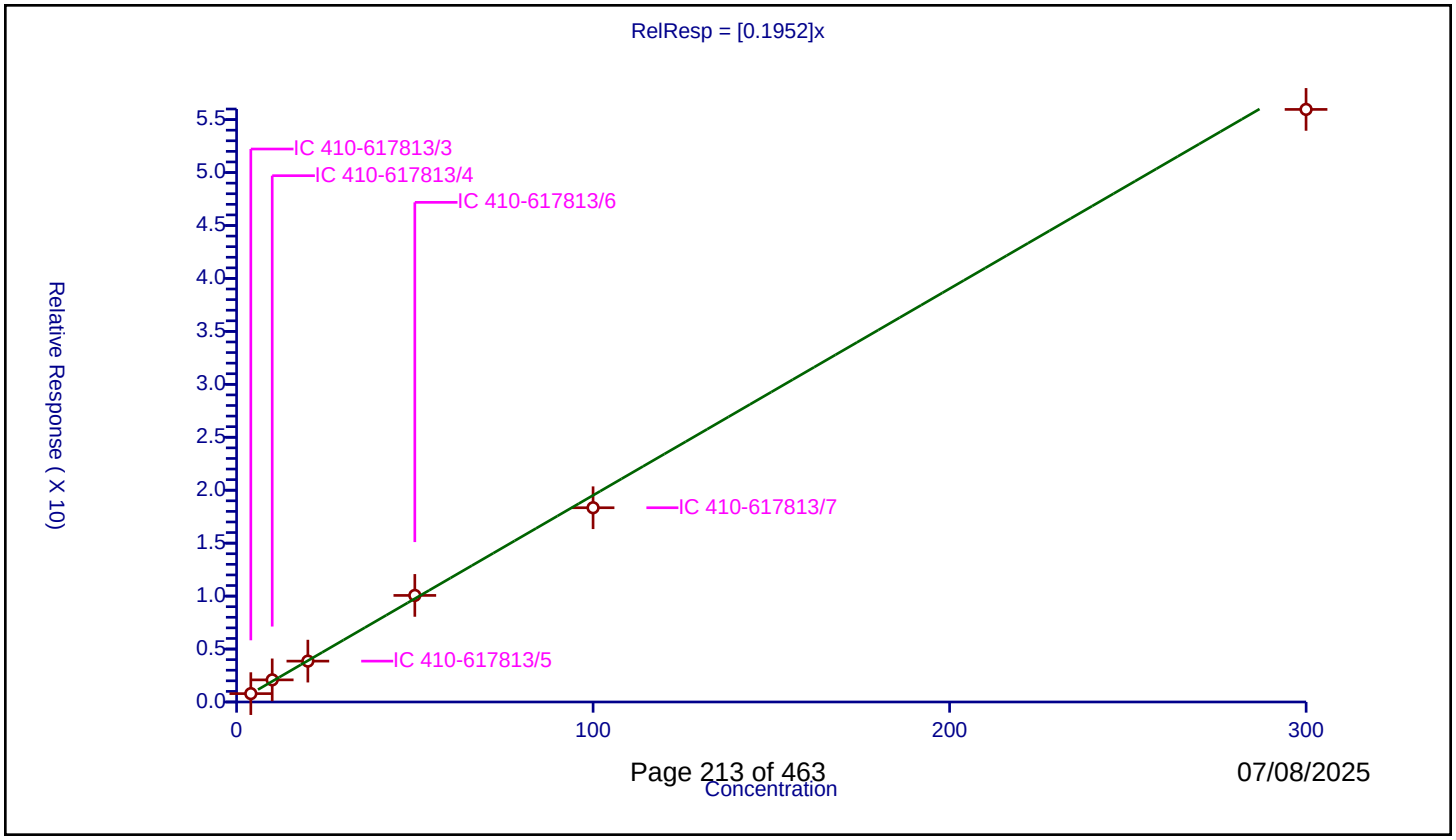
Curve Coefficients

Intercept:	0
Slope:	0.1952

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/3	3.999728	0.790608	50.0	883940.0	0.197665	Y
2	IC 410-617813/4	9.99932	2.089745	50.0	960141.0	0.208989	Y
3	IC 410-617813/5	19.99864	3.859878	50.0	920042.0	0.193007	Y
4	IC 410-617813/6	49.9966	10.06535	50.0	908642.0	0.201321	Y
5	IC 410-617813/7	99.9932	18.344892	50.0	933933.0	0.183461	Y
6	IC 410-617813/8	299.9796	55.9634	50.0	911049.0	0.186557	Y



07/08/2025

Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

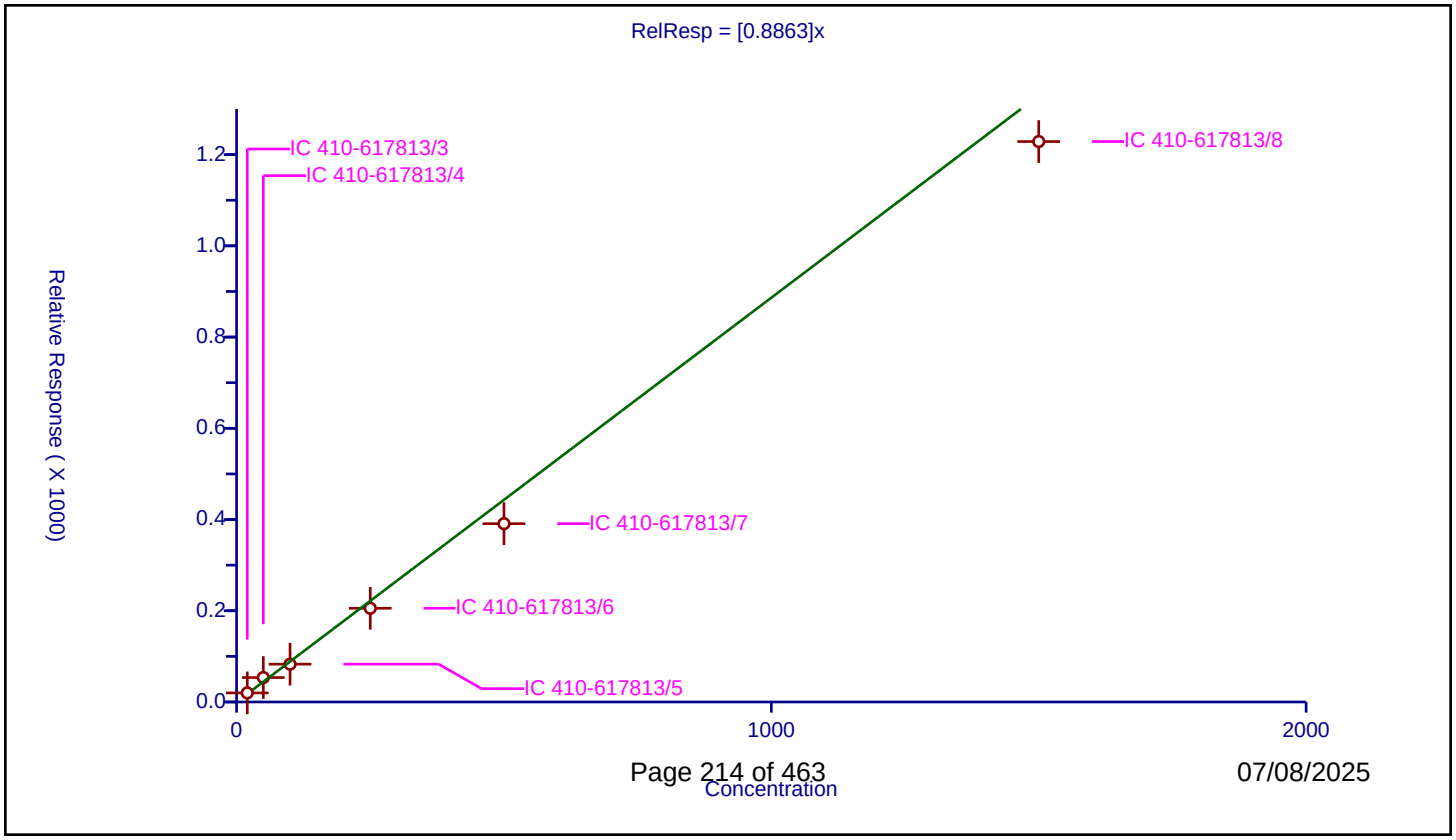
Curve Coefficients

Intercept:	0
Slope:	0.8863

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/3	20.0	19.893927	250.0	516062.0	0.994696	Y
2	IC 410-617813/4	50.0	53.578728	250.0	516175.0	1.071575	Y
3	IC 410-617813/5	100.0	82.90491	250.0	519152.0	0.829049	Y
4	IC 410-617813/6	250.0	205.448346	250.0	501923.0	0.821793	Y
5	IC 410-617813/7	500.0	390.901515	250.0	520202.0	0.781803	Y
6	IC 410-617813/8	1500.0	1228.698376	250.0	498577.0	0.819132	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

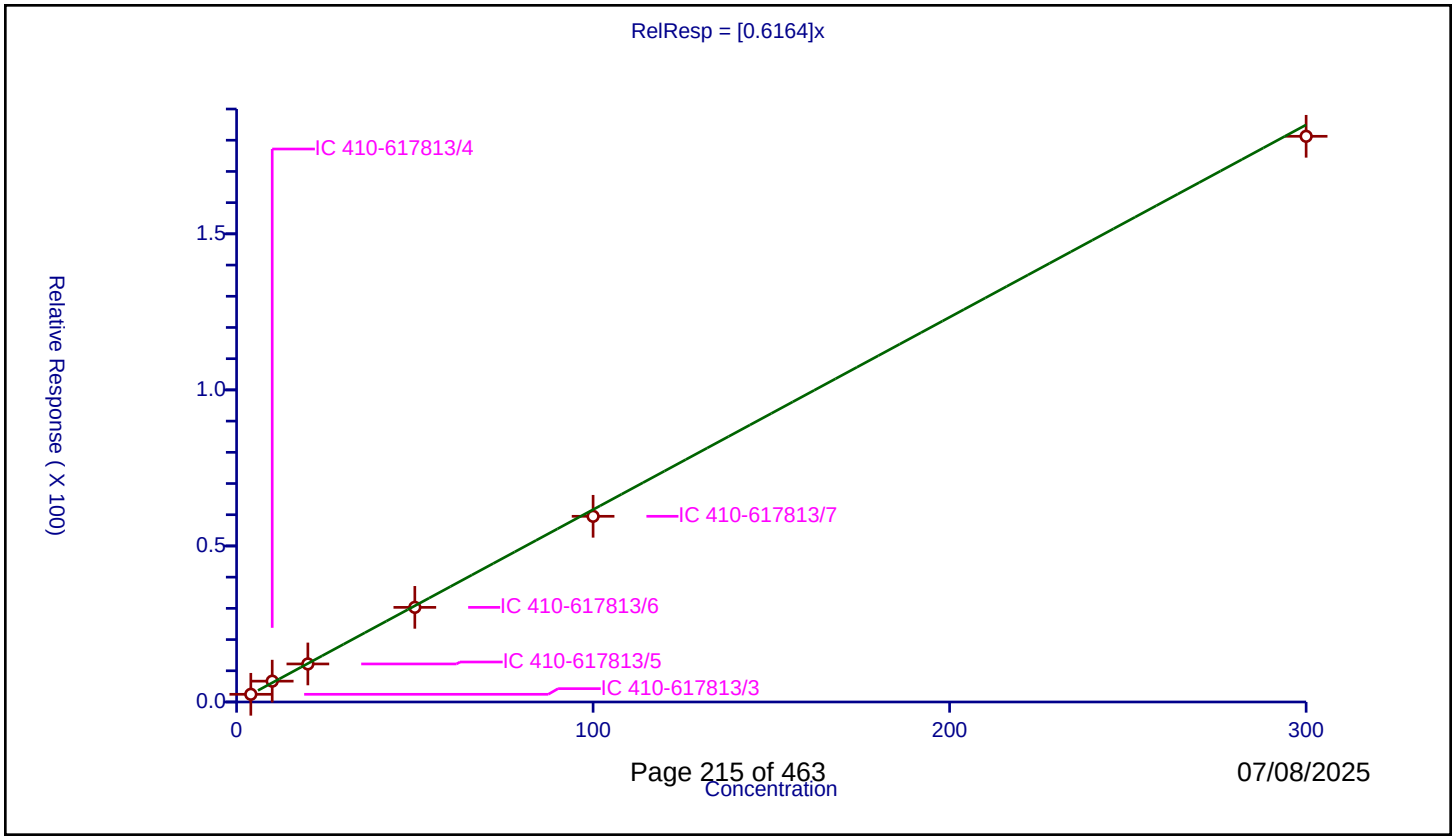
Curve Coefficients

Intercept:	0
Slope:	0.6164

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/3	4.0	2.463176	50.0	883940.0	0.615794	Y
2	IC 410-617813/4	10.0	6.676624	50.0	960141.0	0.667662	Y
3	IC 410-617813/5	20.0	12.189987	50.0	920042.0	0.609499	Y
4	IC 410-617813/6	50.0	30.324044	50.0	908642.0	0.606481	Y
5	IC 410-617813/7	100.0	59.496987	50.0	933933.0	0.59497	Y
6	IC 410-617813/8	300.0	181.261381	50.0	911049.0	0.604205	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

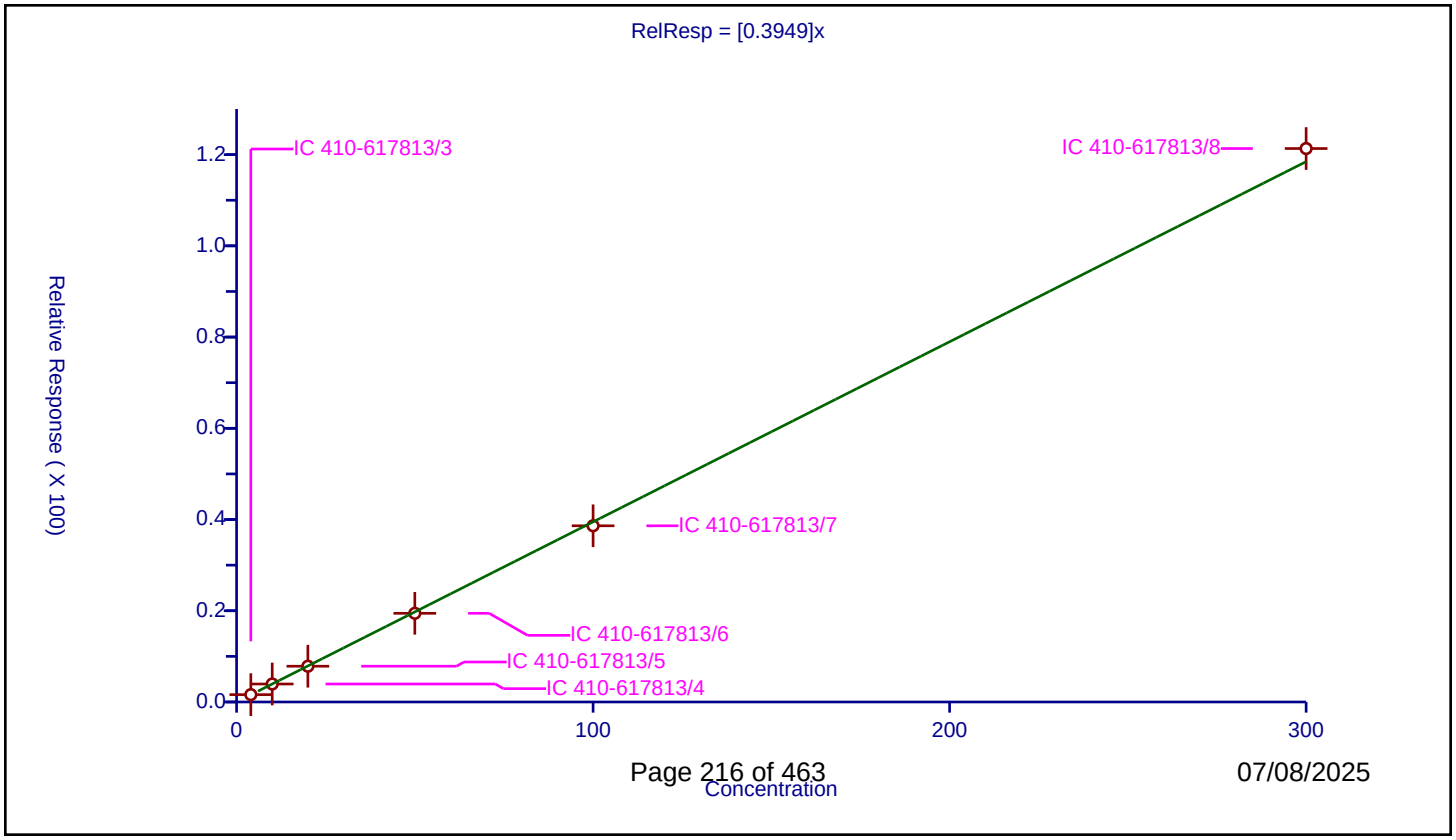
Curve Coefficients

Intercept:	0
Slope:	0.3949

Error Coefficients

Relative Standard Deviation:	1.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/3	4.0	1.613062	50.0	883940.0	0.403265	Y
2	IC 410-617813/4	10.0	3.943692	50.0	960141.0	0.394369	Y
3	IC 410-617813/5	20.0	7.841055	50.0	920042.0	0.392053	Y
4	IC 410-617813/6	50.0	19.441485	50.0	908642.0	0.38883	Y
5	IC 410-617813/7	100.0	38.628949	50.0	933933.0	0.386289	Y
6	IC 410-617813/8	300.0	121.334143	50.0	911049.0	0.404447	Y



Calibration / Isopropyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

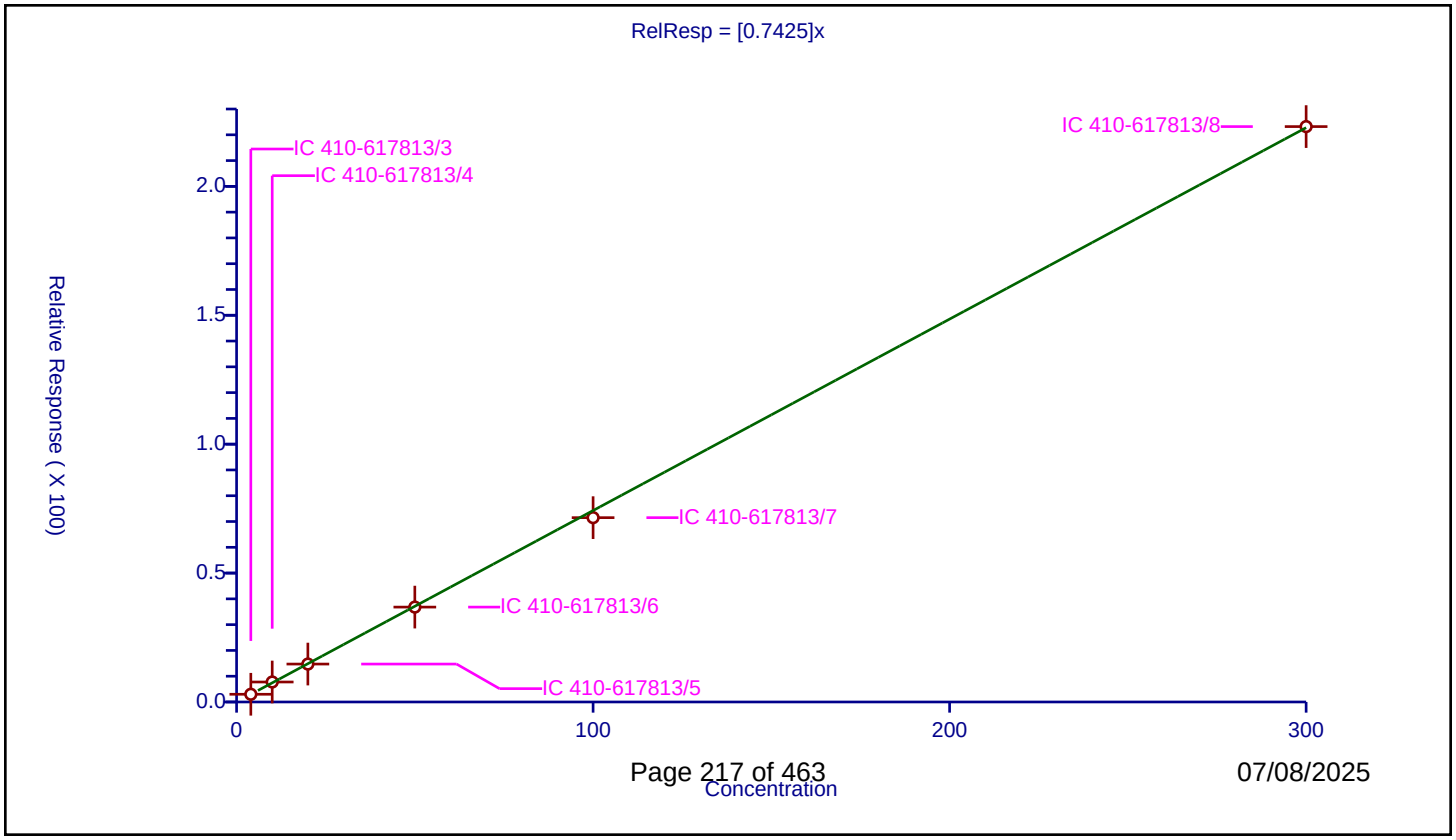
Curve Coefficients

Intercept:	0
Slope:	0.7425

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/3	4.0	2.997149	50.0	883940.0	0.749287	Y
2	IC 410-617813/4	10.0	7.754069	50.0	960141.0	0.775407	Y
3	IC 410-617813/5	20.0	14.711068	50.0	920042.0	0.735553	Y
4	IC 410-617813/6	50.0	36.803384	50.0	908642.0	0.736068	Y
5	IC 410-617813/7	100.0	71.503256	50.0	933933.0	0.715033	Y
6	IC 410-617813/8	300.0	223.180806	50.0	911049.0	0.743936	Y



Calibration / n-Propyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

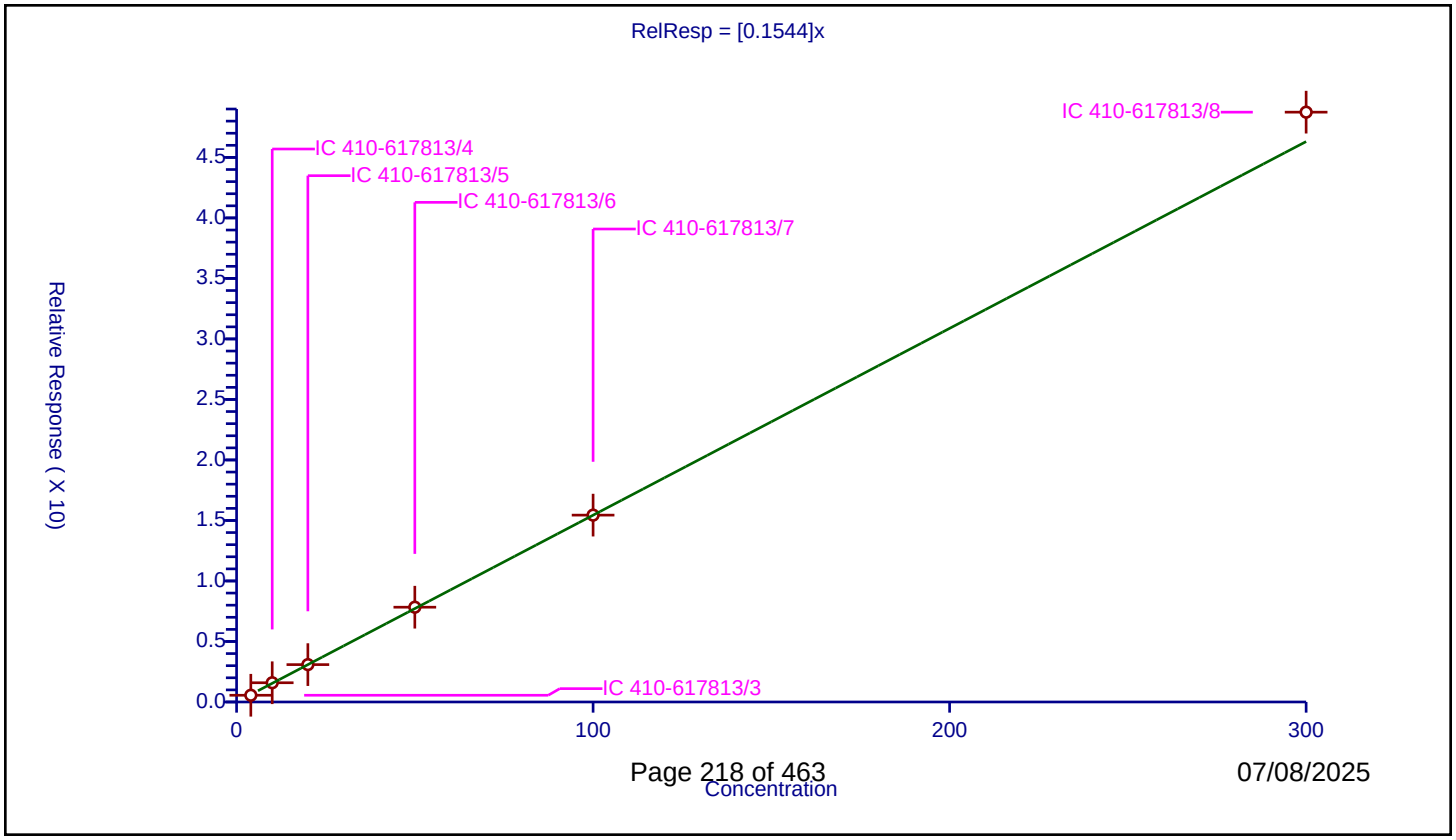
Curve Coefficients

Intercept:	0
Slope:	0.1544

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/3	4.0	0.556882	50.0	883940.0	0.13922	Y
2	IC 410-617813/4	10.0	1.590027	50.0	960141.0	0.159003	Y
3	IC 410-617813/5	20.0	3.088718	50.0	920042.0	0.154436	Y
4	IC 410-617813/6	50.0	7.831907	50.0	908642.0	0.156638	Y
5	IC 410-617813/7	100.0	15.442007	50.0	933933.0	0.15442	Y
6	IC 410-617813/8	300.0	48.740463	50.0	911049.0	0.162468	Y



Calibration / 3,4-Dichloro-1-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

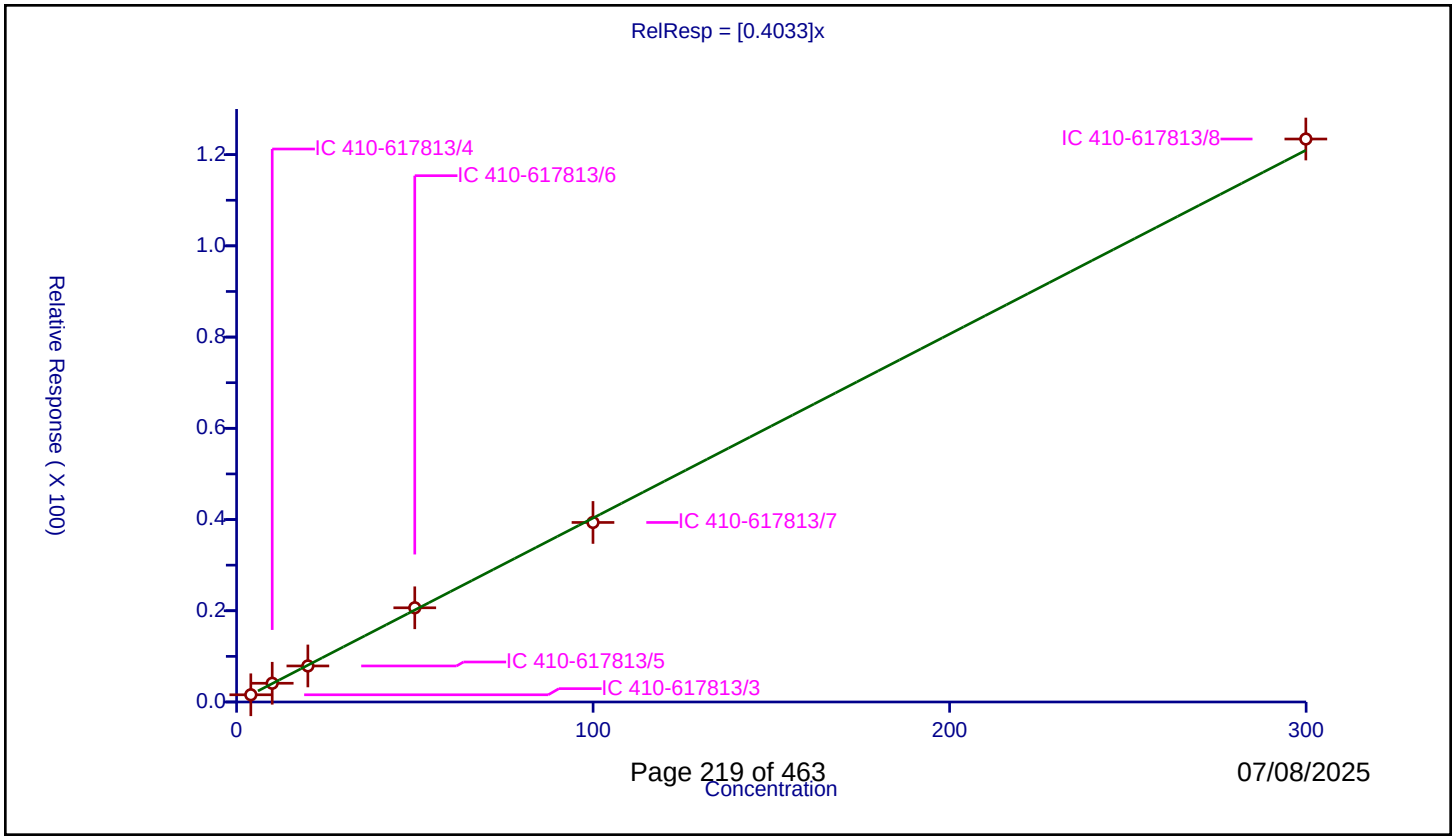
Curve Coefficients

Intercept:	0
Slope:	0.4033

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/3	3.99894	1.581274	50.0	633761.0	0.395423	Y
2	IC 410-617813/4	9.99735	4.106361	50.0	689747.0	0.410745	Y
3	IC 410-617813/5	19.9947	7.903475	50.0	670376.0	0.395279	Y
4	IC 410-617813/6	49.98675	20.651491	50.0	655604.0	0.413139	Y
5	IC 410-617813/7	99.9735	39.362485	50.0	684831.0	0.393729	Y
6	IC 410-617813/8	299.9205	123.420604	50.0	663877.0	0.411511	Y



Calibration / n-Butyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

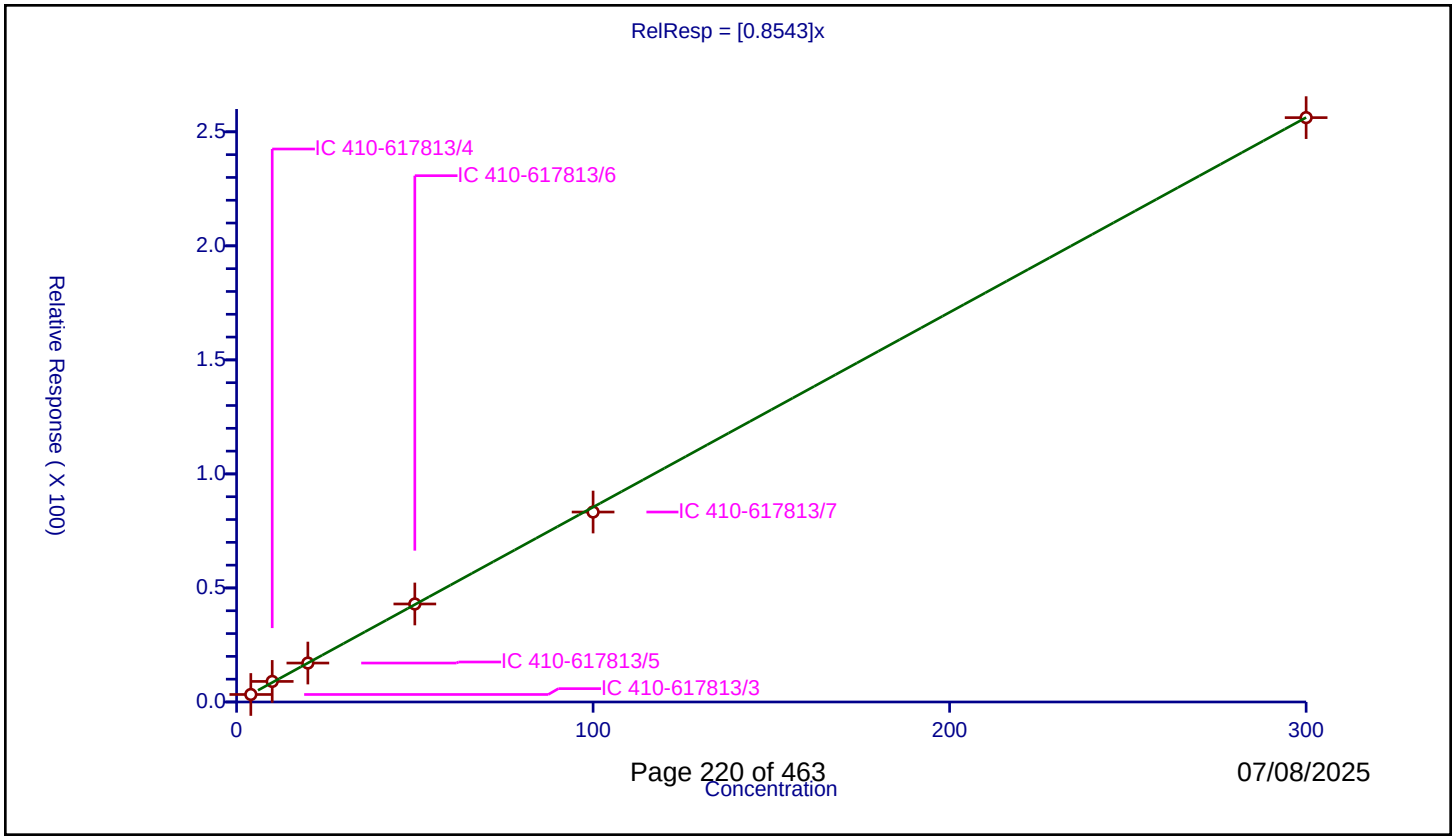
Curve Coefficients

Intercept:	0
Slope:	0.8543

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/3	4.0	3.293276	50.0	633761.0	0.823319	Y
2	IC 410-617813/4	10.0	9.019539	50.0	689747.0	0.901954	Y
3	IC 410-617813/5	20.0	17.076312	50.0	670376.0	0.853816	Y
4	IC 410-617813/6	50.0	42.974265	50.0	655604.0	0.859485	Y
5	IC 410-617813/7	100.0	83.29566	50.0	684831.0	0.832957	Y
6	IC 410-617813/8	300.0	256.223969	50.0	663877.0	0.85408	Y



Calibration / cis-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

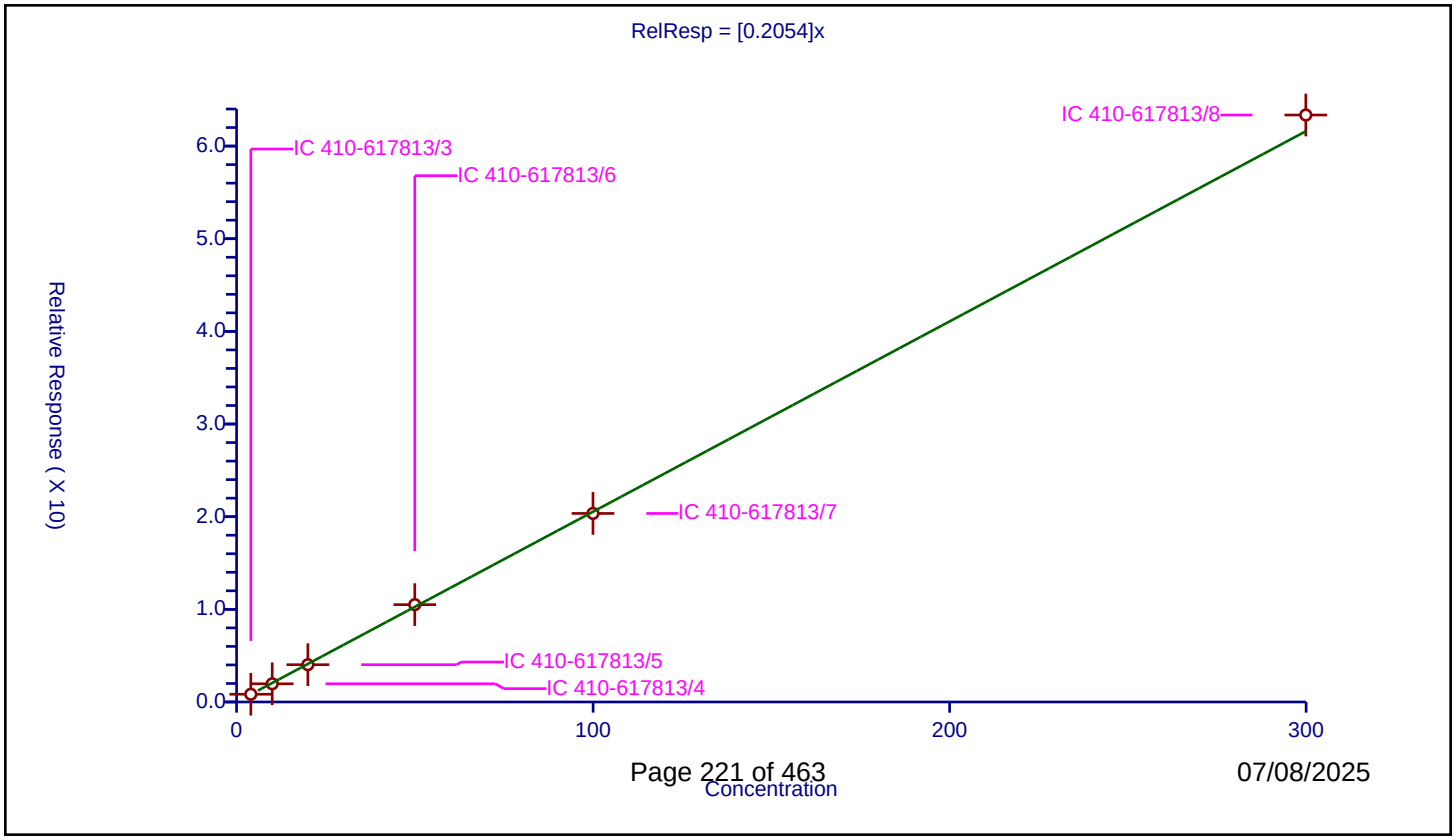
Curve Coefficients

Intercept:	0
Slope:	0.2054

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/3	3.998831	0.837461	50.0	633761.0	0.209426	Y
2	IC 410-617813/4	9.997078	1.964198	50.0	689747.0	0.196477	Y
3	IC 410-617813/5	19.994156	4.026323	50.0	670376.0	0.201375	Y
4	IC 410-617813/6	49.98539	10.506495	50.0	655604.0	0.210191	Y
5	IC 410-617813/7	99.97078	20.351298	50.0	684831.0	0.203572	Y
6	IC 410-617813/8	299.91234	63.352473	50.0	663877.0	0.211237	Y



Calibration / 2,3,4-Trichlorobutene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

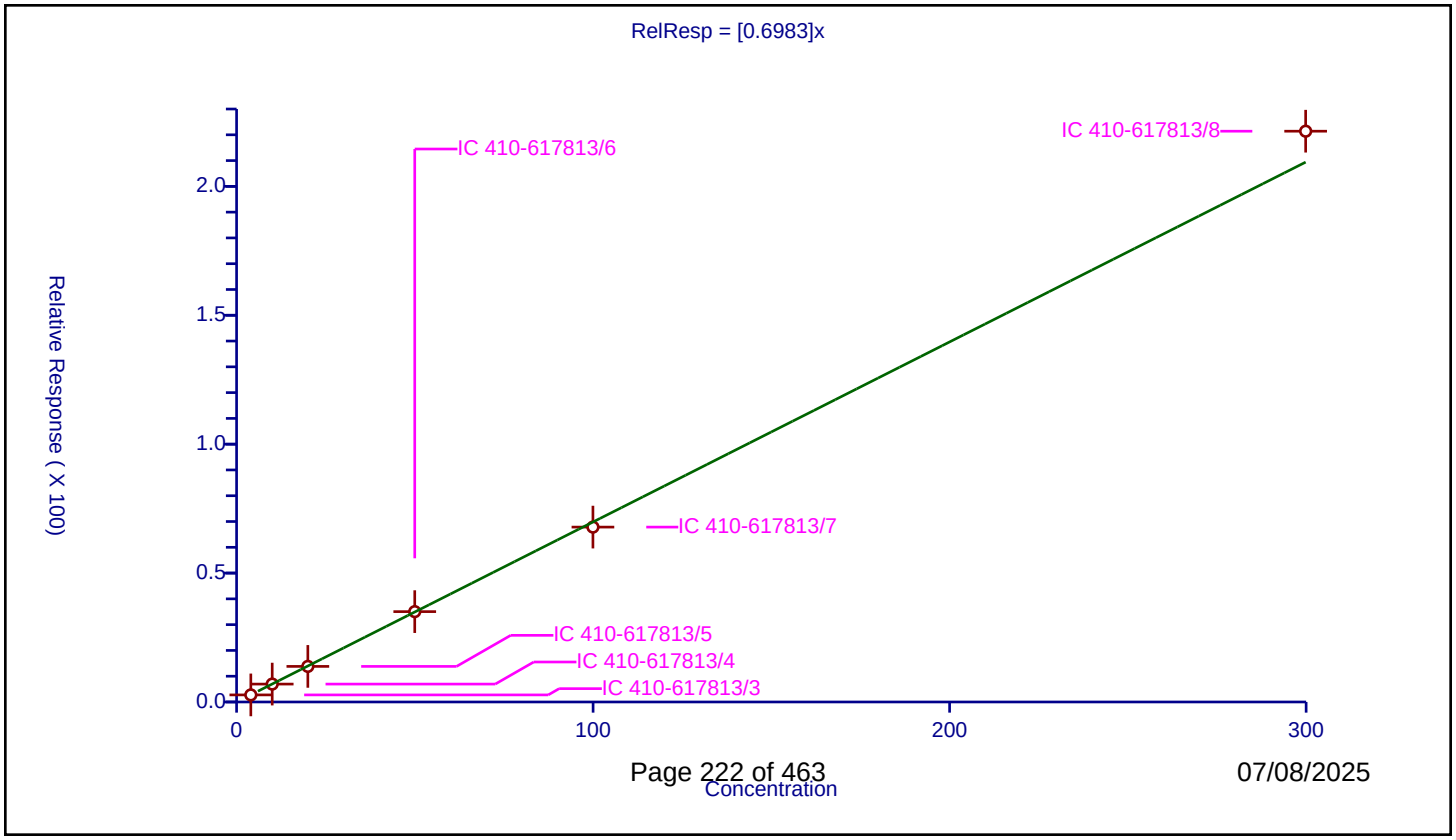
Curve Coefficients

Intercept:	0
Slope:	0.6983

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/3	3.998303	2.742024	50.0	393742.0	0.685797	Y
2	IC 410-617813/4	9.995756	6.94907	50.0	436303.0	0.695202	Y
3	IC 410-617813/5	19.991513	13.804187	50.0	417214.0	0.690502	Y
4	IC 410-617813/6	49.978782	35.04561	50.0	416356.0	0.70121	Y
5	IC 410-617813/7	99.957564	67.836256	50.0	429524.0	0.678651	Y
6	IC 410-617813/8	299.872692	221.390245	50.0	408151.0	0.738281	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

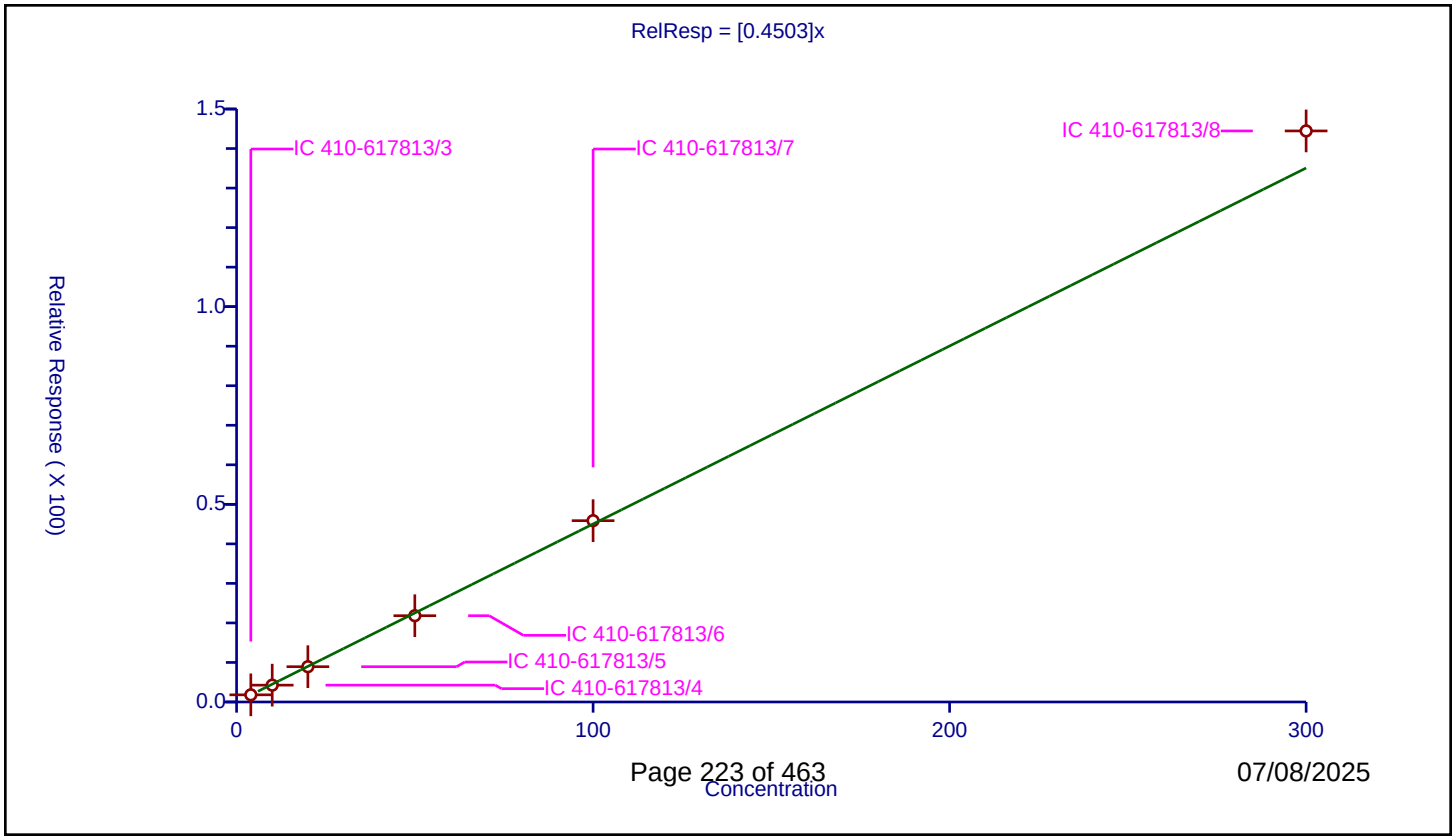
Curve Coefficients

Intercept:	0
Slope:	0.4503

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/3	4.0	1.810449	50.0	393742.0	0.452612	Y
2	IC 410-617813/4	10.0	4.259196	50.0	436303.0	0.42592	Y
3	IC 410-617813/5	20.0	8.925875	50.0	417214.0	0.446294	Y
4	IC 410-617813/6	50.0	21.827354	50.0	416356.0	0.436547	Y
5	IC 410-617813/7	100.0	45.864143	50.0	429524.0	0.458641	Y
6	IC 410-617813/8	300.0	144.458178	50.0	408151.0	0.481527	Y



07/08/2025

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-617813/12	4M17X11.D
Level 2	IC 410-617813/13	4M17X12.D
Level 3	IC 410-617813/14	4M17X13.D
Level 4	IC 410-617813/15	4M17X14.D
Level 5	ICIS 410-617813/16	4M17X15.D
Level 6	IC 410-617813/17	4M17X16.D
Level 7	IC 410-617813/18	4M17X17.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.4123 0.3922	0.3957 0.3815	0.3792	0.3992	0.3905	Ave		0.3929			0.1000	2.8		20.0			
Chloromethane	0.5094 0.4382	0.4931 0.4173	0.4699	0.4456	0.4495	Ave		0.4604			0.1000	7.0		20.0			
Vinyl chloride	0.3954 0.4205	0.4414 0.4083	0.4273	0.4248	0.4272	Ave		0.4207			0.1000	3.5		20.0			
1,3-Butadiene	0.7167 0.4588	0.5361 0.4393	0.5160	0.4785	0.4614	Ave		0.5153				18.4		20.0			
Bromomethane	0.3665 0.3054	0.3398 0.2941	0.3347	0.3161	0.3157	Ave		0.3246			0.1000	7.5		20.0			
Chloroethane	0.2248 0.2168	0.2365 0.2121	0.2307	0.2188	0.2267	Ave		0.2238			0.1000	3.8		20.0			
Dichlorofluoromethane	0.6638 0.6483	0.7089 0.6214	0.6808	0.6465	0.6689	Ave		0.6627			0.1000	4.2		20.0			
Trichlorofluoromethane	0.3826 0.5068	0.4813 0.4952	0.4828	0.4973	0.5058	Ave		0.4788			0.1000	9.1		20.0			
n-Pentane	0.4106 0.4953	0.5020 0.4926	0.4946	0.4827	0.4902	Ave		0.4811				6.6		20.0			
Ethanol	0.0846 0.0735	0.0885 0.0667	0.0737	0.0874	0.0735	Ave		0.0783				10.8		20.0			
Freon 123a	0.3508 0.3232	0.3404 0.3181	0.3389	0.3248	0.3301	Ave		0.3323				3.5		20.0			
Acrolein	1.0816 1.0418	0.9698 1.2348	1.1220	0.9825	1.1140	Ave		1.0781				8.5		20.0			
1,1-Dichloroethene	0.2497 0.2409	0.2562 0.2431	0.2475	0.2473	0.2427	Ave		0.2468			0.1000	2.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetone	0.4940 0.5479	0.4386 0.6388	0.5683	0.5111	0.5517	Ave		0.5358			0.1000	11.8		20.0			
Freon 113	0.2467 0.2962	0.3061 0.2924	0.2962	0.2970	0.2963	Ave		0.2901			0.1000	6.8		20.0			
Methyl iodide	0.5192 0.5269	0.5487 0.5155	0.5412	0.5437	0.5341	Ave		0.5327				2.4		20.0			
2-Propanol	1.0342 0.7343	0.9843 0.7427	0.8990	0.9006	0.7453	Ave		0.8629				14.3		20.0			
Carbon disulfide	0.9603 0.9903	1.0310 0.9712	1.0100	0.9866	0.9738	Ave		0.9890			0.1000	2.5		20.0			
Methyl acetate	0.3688 0.3504	0.3263 0.3274	0.3493	0.3621	0.3626	Ave		0.3495			0.1000	4.9		20.0			
Allyl chloride	0.4600 0.3823	0.4249 0.3737	0.4189	0.4034	0.3996	Ave		0.4090				7.1		20.0			
Methylene Chloride	0.2910 0.2851	0.3107 0.2820	0.3010	0.2915	0.2847	Ave		0.2923			0.1000	3.5		20.0			
t-Butyl alcohol	1.1561 1.0547	1.1011 1.0052	1.0721	1.1239	1.0772	Ave		1.0843				4.5		20.0			
Acrylonitrile	0.1866 0.1834	0.1862 0.1779	0.1890	0.1952	0.1859	Ave		0.1863				2.8		20.0			
Methyl tert-butyl ether	0.8550 0.8090	0.8653 0.7701	0.8369	0.8329	0.8308	Ave		0.8286			0.1000	3.8		20.0			
trans-1,2-Dichloroethene	0.2640 0.2334	0.2493 0.2272	0.2598	0.2477	0.2433	Ave		0.2464			0.1000	5.4		20.0			
n-Hexane	0.4336 0.3467	0.4150 0.3282	0.3935	0.3608	0.3541	Ave		0.3760				10.3		20.0			
1,1-Dichloroethane	0.4249 0.4103	0.4357 0.3929	0.4473	0.4346	0.4253	Ave		0.4244			0.2000	4.2		20.0			
Isopropyl ether	0.8514 0.8227	0.8552 0.7965	0.8487	0.8470	0.8444	Ave		0.8380				2.5		20.0			
2-Chloro-1,3-butadiene	0.3775 0.3693	0.4151 0.3525	0.4072	0.3923	0.3903	Ave		0.3863				5.6		20.0			
Ethyl t-butyl ether	0.7863 0.7912	0.8064 0.7543	0.8115	0.8204	0.8061	Ave		0.7966				2.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Butanone (MEK)	0.2328 0.2829	0.2590 0.2784	0.2690	0.2669	0.2839	Ave		0.2676			0.1000	6.7		20.0			
cis-1,2-Dichloroethene	0.2930 0.2755	0.2993 0.2620	0.3023	0.2971	0.2881	Ave		0.2882			0.1000	5.1		20.0			
2,2-Dichloropropane	0.4530 0.4190	0.4482 0.4114	0.4321	0.4384	0.4265	Ave		0.4327				3.5		20.0			
Propionitrile	0.8055 0.9010	0.8030 1.0555	0.8906	0.8510	0.9124	Ave		0.8884				9.7		20.0			
Methyl acrylate	0.5434 0.4569	0.4793 0.4640	0.4160	0.4420	0.4551	Ave		0.4652				8.5		20.0			
Methacrylonitrile	0.1906 0.1800	0.1815 0.1791	0.1778	0.1811	0.1845	Ave		0.1821				2.4		20.0			
Bromochloromethane	0.1527 0.1474	0.1631 0.1422	0.1603	0.1573	0.1547	Ave		0.1540				4.7		20.0			
Tetrahydrofuran	0.8731 0.7726	0.7202 0.9276	0.7812	0.7428	0.7877	Ave		0.8007				9.2		20.0			
Chloroform	0.4737 0.4239	0.4690 0.4051	0.4699	0.4515	0.4479	Ave		0.4487			0.2000	5.8		20.0			
1,1,1-Trichloroethane	0.3914 0.4228	0.4531 0.4160	0.4310	0.4286	0.4240	Ave		0.4239			0.1000	4.4		20.0			
Cyclohexane	0.4940 0.5097	0.5462 0.5093	0.5104	0.5048	0.5107	Ave		0.5121			0.1000	3.2		20.0			
Carbon tetrachloride	0.3196 0.3735	0.3871 0.3696	0.3773	0.3722	0.3741	Ave		0.3676			0.1000	6.0		20.0			
1,1-Dichloropropene	0.3094 0.3438	0.3536 0.3367	0.3532	0.3490	0.3544	Ave		0.3429				4.7		20.0			
Isobutyl alcohol	+++++ 0.3367	0.3197 0.3534	0.3315	0.3259	0.3429	Ave		0.3350				3.6		20.0			
Benzene	0.9740 1.0336	1.0579 1.0059	1.0569	1.0562	1.0544	Ave		1.0341			0.5000	3.2		20.0			
1,2-Dichloroethane	0.3353 0.3358	0.3320 0.3327	0.3512	0.3441	0.3498	Ave		0.3401			0.1000	2.4		20.0			
t-Amyl methyl ether	0.7687 0.7798	0.7794 0.7501	0.7805	0.7840	0.7885	Ave		0.7759				1.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Heptane	0.4770 0.3501	0.3753 0.3346	0.3675	0.3363	0.3479	Ave		0.3698				13.4		20.0			
n-Butanol	0.2008 0.2606	0.2297 0.2731	0.2326	0.2483	0.2569	Ave		0.2431				9.9		20.0			
Trichloroethene	0.2485 0.2588	0.2665 0.2648	0.2594	0.2602	0.2649	Ave		0.2604			0.2000	2.3		20.0			
Ethyl acrylate	0.5179 0.4762	0.4304 0.4979	0.4377	0.4524	0.4663	Ave		0.4684				6.8		20.0			
Methylcyclohexane	0.4623 0.5036	0.5003 0.5047	0.5015	0.4843	0.4993	Ave		0.4937			0.1000	3.1		20.0			
1,2-Dichloropropane	0.2779 0.2692	0.2695 0.2717	0.2733	0.2660	0.2727	Ave		0.2715			0.1000	1.4		20.0			
t-Amyl ethyl ether	0.3457 0.3800	0.3681 0.3770	0.3738	0.3796	0.3809	Ave		0.3722				3.4		20.0			
Methyl methacrylate	0.2666 0.2599	0.2554 0.2759	0.2483	0.2607	0.2600	Ave		0.2610				3.3		20.0			
1,4-Dioxane	+++++ 0.0654	0.0709 0.0655	0.0617	0.0798	0.0655	Ave		0.0681			0.0050	9.4		20.0			
Dibromomethane	0.1777 0.1808	0.1787 0.1870	0.1811	0.1832	0.1835	Ave		0.1817				1.7		20.0			
Bromodichloromethane	0.3292 0.3366	0.3307 0.3481	0.3303	0.3341	0.3402	Ave		0.3356			0.2000	2.0		20.0			
2-Nitropropane	1.3430 1.3502	1.2324 1.6549	1.3142	1.2535	1.3635	Ave		1.3588				10.3		20.0			
2-Chloroethyl vinyl ether	0.1678 0.1949	0.1773 0.2048	0.1799	0.1920	0.1932	Ave		0.1871				6.8		20.0			
cis-1,3-Dichloropropene	0.3545 0.4066	0.3850 0.4306	0.3780	0.3923	0.4043	Ave		0.3930			0.2000	6.1		20.0			
4-Methyl-2-pentanone (MIBK)	0.5283 0.5703	0.5179 0.5703	0.5524	0.5643	0.5872	Ave		0.5558			0.1000	4.5		20.0			
Toluene	0.8840 0.8530	0.8928 0.8353	0.8804	0.8727	0.8845	Ave		0.8718			0.4000	2.3		20.0			
trans-1,3-Dichloropropene	0.4715 0.4937	0.4753 0.5045	0.4857	0.4955	0.5076	Ave		0.4906			0.1000	2.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl methacrylate	0.6820 0.6104	0.6368 0.6083	0.6390	0.6311	0.6460	Ave		0.6362				3.9		20.0			
1,1,2-Trichloroethane	0.3286 0.3302	0.3351 0.3287	0.3295	0.3361	0.3417	Ave		0.3328			0.1000	1.5		20.0			
Tetrachloroethene	0.3808 0.3707	0.3964 0.3644	0.3828	0.3836	0.3866	Ave		0.3807			0.2000	2.8		20.0			
1,3-Dichloropropane	0.5087 0.5195	0.5135 0.5193	0.5155	0.5272	0.5332	Ave		0.5195				1.6		20.0			
2-Hexanone	0.5227 0.5382	0.5375 0.5213	0.5376	0.5719	0.5715	Ave		0.5430			0.1000	3.8		20.0			
Dibromochloromethane	0.3580 0.3903	0.3861 0.3924	0.3833	0.3885	0.3949	Ave		0.3848				3.2		20.0			
1,2-Dibromoethane (EDB)	0.3202 0.3587	0.3630 0.3579	0.3587	0.3590	0.3705	Ave		0.3554			0.1000	4.5		20.0			
1-Chlorohexane	0.5568 0.4475	0.5263 0.4398	0.4880	0.4544	0.4662	Ave		0.4827				9.1		20.0			
Chlorobenzene	0.9397 0.9502	0.9986 0.9426	0.9761	0.9771	0.9875	Ave		0.9674			0.5000	2.4		20.0			
1,1,1,2-Tetrachloroethane	0.3862 0.3999	0.3972 0.3848	0.4061	0.4051	0.4098	Ave		0.3984				2.4		20.0			
Ethylbenzene	1.6924 1.7115	1.8248 1.6450	1.8098	1.7636	1.7903	Ave		1.7482			0.1000	3.8		20.0			
m&p-Xylene	0.6561 0.6786	0.7246 0.6626	0.7145	0.7017	0.7083	Ave		0.6923			0.1000	3.8		20.0			
n-Butyl acrylate	0.8916 0.9119	0.9409 0.9006	0.9253	0.9380	0.9339	Ave		0.9203				2.1		20.0			
o-Xylene	0.7094 0.7257	0.7442 0.7077	0.7447	0.7460	0.7534	Ave		0.7330			0.3000	2.6		20.0			
Styrene	1.0732 1.1010	1.1498 1.0935	1.1529	1.1246	1.1421	Ave		1.1196			0.3000	2.8		20.0			
Bromoform	0.2805 0.3110	0.2967 0.3162	0.3097	0.3090	0.3186	Ave		0.3059			0.1000	4.3		20.0			
Isopropylbenzene	1.5941 1.7164	1.7669 1.6170	1.7452	1.7394	1.7750	Ave		1.7077			0.1000	4.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexanone	0.2879 0.2791	0.2864 0.2567	0.2707	0.3082	0.2701	Ave		0.2799				5.9		20.0			
1,1,2,2-Tetrachloroethane	1.0423 1.0994	1.1439 1.1130	1.1541	1.1412	1.1618	Ave		1.1222			0.3000	3.7		20.0			
Bromobenzene	0.7186 0.7158	0.7550 0.7301	0.7490	0.7487	0.7554	Ave		0.7390				2.3		20.0			
trans-1,4-Dichloro-2-butene	0.2737 0.2987	0.2836 0.2990	0.2893	0.3005	0.3079	Ave		0.2932				4.0		20.0			
1,2,3-Trichloropropane	0.2985 0.3157	0.3205 0.3148	0.3273	0.3272	0.3377	Ave		0.3202				3.9		20.0			
N-Propylbenzene	3.4321 3.4834	3.6865 3.3091	3.6807	3.5983	3.7240	Ave		3.5591				4.4		20.0			
2-Chlorotoluene	0.6835 0.7435	0.7771 0.7361	0.7713	0.7519	0.7759	Ave		0.7485				4.4		20.0			
1,3,5-Trimethylbenzene	2.3700 2.7324	2.6895 2.6231	2.6933	2.7205	2.8304	Ave		2.6656				5.4		20.0			
4-Chlorotoluene	0.6941 0.7046	0.7382 0.7178	0.7302	0.7308	0.7343	Ave		0.7214				2.3		20.0			
tert-Butylbenzene	0.3811 0.5232	0.4698 0.5264	0.4726	0.4908	0.5256	Ave		0.4842				10.7		20.0			
1,2,4-Trimethylbenzene	2.5523 2.8244	2.8331 2.6924	2.8266	2.8060	2.9351	Ave		2.7814				4.4		20.0			
sec-Butylbenzene	2.8826 3.4838	3.4412 3.2605	3.3963	3.4014	3.5733	Ave		3.3484				6.8		20.0			
1,3-Dichlorobenzene	1.4337 1.4386	1.5505 1.4341	1.5209	1.5114	1.5118	Ave		1.4859			0.6000	3.3		20.0			
p-Isopropyltoluene	2.6395 3.0719	2.9800 2.8867	3.0319	2.9977	3.1643	Ave		2.9674				5.7		20.0			
1,4-Dichlorobenzene	1.4762 1.4525	1.5650 1.4477	1.5462	1.5200	1.5353	Ave		1.5061			0.5000	3.1		20.0			
1,2,3-Trimethylbenzene	2.7115 3.0231	2.9705 2.8892	2.9670	3.0320	3.1355	Ave		2.9613				4.5		20.0			
Benzyl chloride	2.2951 2.2719	2.3036 2.2295	2.2915	2.3539	2.3887	Ave		2.3049				2.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3-Diethylbenzene	1.5487 1.7813	1.7749 1.7228	1.7960	1.7680	1.8440	Ave		1.7480				5.4		20.0			
1,4-Diethylbenzene	1.7147 1.8930	1.9232 1.8228	1.9498	1.9023	1.9590	Ave		1.8807				4.6		20.0			
n-Butylbenzene	1.2732 1.4968	1.5295 1.4632	1.5454	1.4959	1.5505	Ave		1.4792				6.5		20.0			
1,2-Dichlorobenzene	1.5160 1.5388	1.5915 1.5170	1.6001	1.5882	1.6181	Ave		1.5671			0.4000	2.7		20.0			
1,2-Diethylbenzene	1.2573 1.5676	1.5124 1.5316	1.4985	1.5209	1.5979	Ave		1.4980				7.4		20.0			
1,2-Dibromo-3-Chloropropane	0.3154 0.3432	0.3368 0.3208	0.3401	0.3527	0.3592	Ave		0.3383			0.0500	4.7		20.0			
1,3,5-Trichlorobenzene	1.1082 1.2240	1.2993 1.1459	1.2685	1.2607	1.2768	Ave		1.2262				5.9		20.0			
1,2,4-Trichlorobenzene	1.0612 1.2120	1.2152 1.0739	1.2203	1.2429	1.2237	Ave		1.1785			0.2000	6.5		20.0			
2-Ethylhexyl acrylate	0.9929 1.1531	1.0134 1.0510	0.9492	1.0809	1.1133	Ave		1.0505				6.8		20.0			
Hexachlorobutadiene	0.4046 0.4713	0.4443 0.4420	0.4517	0.4508	0.4777	Ave		0.4489				5.3		20.0			
Naphthalene	3.7183 4.3734	4.3001 3.6602	4.3561	4.4649	4.5218	Ave		4.1992				8.5		20.0			
1,2,3-Trichlorobenzene	1.0268 1.1799	1.1925 1.0145	1.1566	1.1829	1.2034	Ave		1.1367				7.1		20.0			
2-Methylnaphthalene	1.3255 2.0009	1.5917 1.6414	1.6141	1.9094	1.9477	Ave		1.7187				14.2		20.0			
Dibromofluoromethane (Surr)	0.2664 0.2546	0.2656 0.2423	0.2669	0.2632	0.2594	Ave		0.2598				3.4		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0634 0.0626	0.0623 0.0621	0.0628	0.0617	0.0624	Ave		0.0625				0.8		20.0			
Toluene-d8 (Surr)	1.3825 1.3462	1.3719 1.3303	1.3812	1.3634	1.3597	Ave		1.3622				1.4		20.0			
4-Bromofluorobenzene (Surr)	0.5089 0.4906	0.5083 0.4924	0.5010	0.4955	0.4901	Ave		0.4981				1.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-229795-1 | Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 | Calibration End Date: 03/17/2025 20:21 | Calibration ID: 70730

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-617813/12	4M17X11.D
Level 2	IC 410-617813/13	4M17X12.D
Level 3	IC 410-617813/14	4M17X13.D
Level 4	IC 410-617813/15	4M17X14.D
Level 5	ICIS 410-617813/16	4M17X15.D
Level 6	IC 410-617813/17	4M17X16.D
Level 7	IC 410-617813/18	4M17X17.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	7870 749126	29321 2270534	70994	152086	372735	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	9725 836991	36542 2484144	87963	169744	429048	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	7548 803153	32709 2430496	79985	161823	407808	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	13682 876403	39726 2615104	96590	182305	440428	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	6996 583368	25180 1750798	62649	120407	301321	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	4292 414074	17523 1262568	43183	83369	216366	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	12672 1238400	52528 3698511	127446	246290	638487	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	7304 968145	35664 2947448	90371	189468	482774	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	7839 946014	37202 2931919	92593	183894	467893	1.00 100	4.00 300	10.0	20.0	50.0
Ethanol	TBAd10	Ave	10421 358139	44798 837333	68893	181066	177729	62.5 2500	250 7500	500	1000	1250
Freon 123a	FB	Ave	6696 617396	25224 1893324	63433	123721	315116	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd10	Ave	20808 1980809	76658 6052206	204642	397177	1051697	9.76 976	39.0 2927	97.6	195	488
1,1-Dichloroethene	FB	Ave	4767 460174	18985 1446971	46331	94206	231623	1.00 100	4.00 300	10.0	20.0	50.0
Acetone	TBAd10	Ave	1948	7106	21244	42349	106759	2.00	8.00	20.0	40.0	100

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			213506	641776				200	600			
Freon 113	FB	Ave	4709 565867	22685 1740364	55442	113141	282812	1.00 100	4.00 300	10.0	20.0	50.0
Methyl iodide	FB	Ave	9911 1006515	40657 3068319	101315	207133	509781	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd10	Ave	10195 715406	39864 1865404	84009	186535	360546	5.00 500	20.0 1500	50.0	100	250
Carbon disulfide	FB	Ave	18332 1891657	76397 5780723	189067	375860	929527	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	7041 669269	24178 1948596	65392	137936	346104	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	8781 730327	31485 2224607	78414	153683	381370	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	5556 544515	23024 1678719	56338	111057	271780	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	11396 1027504	44597 2524475	100189	232796	521079	5.00 500	20.0 1500	50.0	100	250
Acrylonitrile	FB	Ave	8905 875826	34486 2647238	88454	185906	443489	2.50 250	10.0 750	25.0	50.0	125
Methyl tert-butyl ether	FB	Ave	16322 1545414	64118 4584132	156658	317303	793030	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	5039 445747	18477 1352539	48636	94350	232241	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	8277 662236	30749 1953600	73666	137445	337975	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	8112 783819	32288 2338539	83725	165560	405994	1.00 100	4.00 300	10.0	20.0	50.0
Isopropyl ether	FB	Ave	16254 1571431	63373 4741317	158870	322668	805936	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	7206 705460	30759 2097954	76220	149449	372554	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl t-butyl ether	FB	Ave	15010 1511281	59758 4490058	151904	312532	769450	1.00 100	4.00 300	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	8887 1080884	38382 3314411	100731	203389	542050	2.00 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	5594 526255	22177 1559656	56591	113191	275023	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	8648 800274	33213 2448833	80896	167025	407090	1.00 100	4.00 300	10.0	20.0	50.0

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propionitrile	TBAd10	Ave	7940 877753	32522 2650779	83229	176258	441383	5.00 500	20.0 1500	50.0	100	250
Methyl acrylate	FB	Ave	10375 872892	35523 2762486	77898	168404	434498	1.00 100	4.00 300	10.0	20.0	50.0
Methacrylonitrile	FB	Ave	9094 859555	33632 2665723	83216	172526	440276	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	2915 281588	12089 846277	30011	59933	147652	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd10	Ave	8607 752648	29170 2329571	73007	153858	381030	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	9042 809816	34756 2411537	87966	172024	427517	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	7471 807658	33579 2476466	80687	163302	404724	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	9430 973551	40476 3031621	95548	192300	487443	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	6101 713453	28687 2199736	70632	141788	357063	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	5906 656652	26204 2004344	66113	132948	338293	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd10	Ave	+++++ 820026	32367 2219165	77449	168733	414743	+++++ 1250	50.0 3750	125	250	625
Benzene	FB	Ave	18594 1974441	78394 5987714	197852	402379	1006379	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	6401 641415	24600 1980105	65751	131101	333837	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	14675 1489509	57756 4465006	146105	298693	752654	1.00 100	4.00 300	10.0	20.0	50.0
n-Heptane	FB	Ave	9106 668676	27809 1991862	68802	128119	332103	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd10	Ave	4949 634614	23259 1714609	54346	128599	310665	12.5 1250	50.0 3750	125	250	625
Trichloroethene	FB	Ave	4743 494430	19747 1576090	48565	99131	252838	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl acrylate	FB	Ave	9891 909984	31905 2964906	81973	172420	445244	1.00 100	4.00 300	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	8826	37073	93879	184524	476606	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			962057	3004039				100	300			
1,2-Dichloropropane	FB	Ave	5305 514133	19970 1617237	51161	101344	260264	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	6599 725774	27279 2244034	69981	144604	363614	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	5090 496429	18929 1642478	46489	99302	248160	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd10	Ave	+++++ 159375	7180 411252	14422	41330	79215	+++++ 1250	50.0 3750	125	250	625
Dibromomethane	FB	Ave	3392 345430	13239 1113357	33895	69779	175151	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	6285 642891	24504 2072176	61840	127280	324724	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd10	Ave	13239 1315394	49913 4156382	122818	259629	659591	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	3203 372317	13135 1219233	33684	73151	184456	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	6768 776747	28533 2562884	70756	149456	385885	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	20171 2178567	76758 6789493	206804	430002	1120906	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZd5	Ave	11908 1220880	47577 3904302	116947	239651	617054	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZd5	Ave	6351 706603	25331 2357920	64520	136075	354134	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl methacrylate	CBZd5	Ave	9187 873603	33936 2843038	84891	173291	450665	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZd5	Ave	4427 472595	17860 1536401	43766	92283	238342	1.00 100	4.00 300	10.0	20.0	50.0
Tetrachloroethene	CBZd5	Ave	5129 530578	21123 1703032	50851	105340	269659	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichloropropane	CBZd5	Ave	6852 743493	27364 2427222	68473	144767	371957	1.00 100	4.00 300	10.0	20.0	50.0
2-Hexanone	CBZd5	Ave	14082 1540702	57287 4873614	142837	314088	797306	2.00 200	8.00 600	20.0	40.0	100
Dibromochloromethane	CBZd5	Ave	4822 558603	20576 1834342	50914	106675	275482	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromoethane (EDB)	CBZd5	Ave	4313 513326	19345 1672798	47644	98593	258432	1.00 100	4.00 300	10.0	20.0	50.0

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1-Chlorohexane	CBZd5	Ave	7501 640538	28045 2055518	64828	124773	325217	1.00 100	4.00 300	10.0	20.0	50.0
Chlorobenzene	CBZd5	Ave	12658 1359929	53215 4405681	129672	268322	688885	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZd5	Ave	5203 572348	21165 1798621	53949	111243	285860	1.00 100	4.00 300	10.0	20.0	50.0
Ethylbenzene	CBZd5	Ave	22798 2449601	97247 7688670	240413	484293	1248901	1.00 100	4.00 300	10.0	20.0	50.0
m&p-Xylene	CBZd5	Ave	17675 1942596	77228 6194221	189826	385350	988149	2.00 200	8.00 600	20.0	40.0	100
n-Butyl acrylate	CBZd5	Ave	12006 1304617	50121 4207722	122870	257463	651247	1.000 100.0	4.00 300	10.00	20.0	50.0
o-Xylene	CBZd5	Ave	9556 1038628	39657 3308022	98927	204861	525596	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd5	Ave	14457 1575739	61276 5110902	153157	308828	796733	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd5	Ave	3778 445101	15811 1477752	41147	84838	222227	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd5	Ave	21474 2456582	94161 7557960	231841	477636	1238218	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBAd10	Ave	28382 679734	115973 1611888	126479	319110	326577	50.0 1250	200 3750	250	500	625
1,1,2,2-Tetrachloroethane	DCBd4	Ave	8806 955597	37842 3138444	94657	191201	487214	1.00 100	4.00 300	10.0	20.0	50.0
Bromobenzene	DCBd4	Ave	6071 622172	24976 2058692	61436	125452	316806	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	5781 649116	23457 2107433	59312	125872	322818	2.50 250	10.0 750	25.0	50.0	125
1,2,3-Trichloropropane	DCBd4	Ave	2522 274354	10604 887519	26842	54828	141611	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd4	Ave	28996 3027628	121958 9330820	301885	602891	1561760	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	5775 646244	25709 2075725	63263	125986	325386	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	20023 2374929	88976 7396347	220905	455826	1186982	1.00 100	4.00 300	10.0	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	5864 612446	24422 2023863	59889	122443	307965	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	3220	15541	38759	82237	220431	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-229795-1 | Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 | Calibration End Date: 03/17/2025 20:21 | Calibration ID: 70730

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			454786	1484259				100	300			
1,2,4-Trimethylbenzene	DCBd4	Ave	21563 2454842	93728 7591899	231831	470142	1230916	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	24354 3028009	113843 9193726	278562	569900	1498523	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	12113 1250389	51296 4043856	124743	253241	634027	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd4	Ave	22300 2669963	98587 8139576	248675	502265	1327029	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	12472 1262480	51775 4082235	126816	254681	643871	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trimethylbenzene	DCBd4	Ave	22908 2627606	98273 8146713	243353	508012	1314941	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd4	Ave	19390 1974643	76210 6286542	187949	394405	1001768	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd4	Ave	13084 1548244	58719 4857810	147306	296227	773332	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd4	Ave	14487 1645341	63626 5139750	159919	318726	821553	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd4	Ave	10757 1300945	50601 4125797	126754	250637	650245	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	12808 1337505	52650 4277421	131241	266111	678594	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd4	Ave	10622 1362480	50033 4318781	122907	254824	670127	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	2665 298291	11141 904686	27898	59099	150637	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	9363 1063870	42985 3231170	104041	211233	535443	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	8966 1053459	40202 3028078	100090	208243	513202	1.00 100	4.00 300	10.0	20.0	50.0
2-Ethylhexyl acrylate	DCBd4	Ave	8384 1001691	33507 2961879	77810	181015	466634	0.999 99.9	4.00 300	9.99	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	3418 409660	14698 1246244	37048	75525	200343	1.00 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd4	Ave	31414 3801203	142259 10320619	357281	748093	1896323	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	8675 1025548	39450 2860639	94862	198195	504689	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd4	Ave	11199	52659	132384	319922	816822	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1739153	4628191				100	300			
Dibromofluoromethane (Surr)	FB	Ave	254262 243172	246002 240414	249859	250689	247564	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	60502 59795	57662 61647	58761	58810	59580	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd5	Ave	931140 963346	913884 1036311	917390	935943	948510	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	342726 351096	338619 383557	332768	340187	341907	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-617813/12	4M17X11.D
Level 2	IC 410-617813/13	4M17X12.D
Level 3	IC 410-617813/14	4M17X13.D
Level 4	IC 410-617813/15	4M17X14.D
Level 5	ICIS 410-617813/16	4M17X15.D
Level 6	IC 410-617813/17	4M17X16.D
Level 7	IC 410-617813/18	4M17X17.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	4.9 -2.9	0.7	-3.5	1.6	-0.6	-0.2	50 30	30	30	30	30	30
Chloromethane	10.6 -9.4	7.1	2.1	-3.2	-2.4	-4.8	50 30	30	30	30	30	30
Vinyl chloride	-6.0 -2.9	4.9	1.6	1.0	1.6	-0.1	50 30	30	30	30	30	30
1,3-Butadiene	39.1 -14.7	4.0	0.1	-7.1	-10.5	-11.0	50 30	30	30	30	30	30
Bromomethane	12.9 -9.4	4.7	3.1	-2.6	-2.7	-5.9	50 30	30	30	30	30	30
Chloroethane	0.5 -5.2	5.7	3.1	-2.2	1.3	-3.1	50 30	30	30	30	30	30
Dichlorofluoromethane	0.2 -6.2	7.0	2.7	-2.4	0.9	-2.2	50 30	30	30	30	30	30
Trichlorofluoromethane	-20.1 3.4	0.5	0.8	3.9	5.6	5.8	50 30	30	30	30	30	30
n-Pentane	-14.7 2.4	4.3	2.8	0.3	1.9	2.9	50 30	30	30	30	30	30
Ethanol	8.1 -14.8	13.1	-5.8	11.7	-6.1	-6.1	50 30	30	30	30	30	30
Freon 123a	5.6 -4.3	2.4	2.0	-2.3	-0.7	-2.7	50 30	30	30	30	30	30
Acrolein	0.3 14.5	-10.0	4.1	-8.9	3.3	-3.4	50 30	30	30	30	30	30
1,1-Dichloroethene	1.2 -1.5	3.8	0.3	0.2	-1.7	-2.4	50 30	30	30	30	30	30
Acetone	-7.8 19.2	-18.1	6.1	-4.6	3.0	2.3	50 30	30	30	30	30	30
Freon 113	-15.0 0.8	5.5	2.1	2.4	2.1	2.1	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methyl iodide	-2.5 -3.2	3.0	1.6	2.1	0.3	-1.1	50 30	30	30	30	30	30
2-Propanol	19.9 -13.9	14.1	4.2	4.4	-13.6	-14.9	50 30	30	30	30	30	30
Carbon disulfide	-2.9 -1.8	4.2	2.1	-0.2	-1.5	0.1	50 30	30	30	30	30	30
Methyl acetate	5.5 -6.3	-6.7	-0.1	3.6	3.7	0.2	50 30	30	30	30	30	30
Allyl chloride	12.5 -8.6	3.9	2.4	-1.4	-2.3	-6.5	50 30	30	30	30	30	30
Methylene Chloride	-0.4 -3.5	6.3	3.0	-0.3	-2.6	-2.5	50 30	30	30	30	30	30
t-Butyl alcohol	6.6 -7.3	1.6	-1.1	3.7	-0.7	-2.7	50 30	30	30	30	30	30
Acrylonitrile	0.2 -4.5	-0.1	1.5	4.8	-0.2	-1.6	50 30	30	30	30	30	30
Methyl tert-butyl ether	3.2 -7.1	4.4	1.0	0.5	0.3	-2.4	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	7.1 -7.8	1.2	5.5	0.5	-1.2	-5.3	50 30	30	30	30	30	30
n-Hexane	15.3 -12.7	10.4	4.7	-4.0	-5.8	-7.8	50 30	30	30	30	30	30
1,1-Dichloroethane	0.1 -7.4	2.7	5.4	2.4	0.2	-3.3	50 30	30	30	30	30	30
Isopropyl ether	1.6 -4.9	2.1	1.3	1.1	0.8	-1.8	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-2.3 -8.8	7.5	5.4	1.5	1.0	-4.4	50 30	30	30	30	30	30
Ethyl t-butyl ether	-1.3 -5.3	1.2	1.9	3.0	1.2	-0.7	50 30	30	30	30	30	30
2-Butanone (MEK)	-13.0 4.1	-3.2	0.6	-0.2	6.1	5.7	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	1.7 -9.1	3.8	4.9	3.1	0.0	-4.4	50 30	30	30	30	30	30
2,2-Dichloropropane	4.7 -4.9	3.6	-0.1	1.3	-1.4	-3.2	50 30	30	30	30	30	30
Propionitrile	-9.3 18.8	-9.6	0.2	-4.2	2.7	1.4	50 30	30	30	30	30	30
Methyl acrylate	16.8 -0.3	3.0	-10.6	-5.0	-2.2	-1.8	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methacrylonitrile	4.6 -1.6	-0.3	-2.4	-0.5	1.3	-1.2	50 30	30	30	30	30	30
Bromochloromethane	-0.8 -7.7	6.0	4.1	2.2	0.5	-4.3	50 30	30	30	30	30	30
Tetrahydrofuran	9.0 15.8	-10.1	-2.4	-7.2	-1.6	-3.5	50 30	30	30	30	30	30
Chloroform	5.6 -9.7	4.5	4.7	0.6	-0.2	-5.5	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-7.7 -1.8	6.9	1.7	1.1	0.0	-0.2	50 30	30	30	30	30	30
Cyclohexane	-3.5 -0.6	6.7	-0.3	-1.4	-0.3	-0.5	50 30	30	30	30	30	30
Carbon tetrachloride	-13.1 0.5	5.3	2.6	1.2	1.8	1.6	50 30	30	30	30	30	30
1,1-Dichloropropene	-9.8 -1.8	3.1	3.0	1.8	3.4	0.3	50 30	30	30	30	30	30
Isobutyl alcohol	+++++ 5.5	-4.6	-1.0	-2.7	2.4	0.5	 30	50	30	30	30	30
Benzene	-5.8 -2.7	2.3	2.2	2.1	2.0	0.0	50 30	30	30	30	30	30
1,2-Dichloroethane	-1.4 -2.2	-2.4	3.3	1.2	2.8	-1.3	50 30	30	30	30	30	30
t-Amyl methyl ether	-0.9 -3.3	0.5	0.6	1.1	1.6	0.5	50 30	30	30	30	30	30
n-Heptane	29.0 -9.5	1.5	-0.6	-9.1	-5.9	-5.3	50 30	30	30	30	30	30
n-Butanol	-17.4 12.3	-5.5	-4.3	2.1	5.6	7.2	50 30	30	30	30	30	30
Trichloroethene	-4.6 1.7	2.3	-0.4	-0.1	1.7	-0.6	50 30	30	30	30	30	30
Ethyl acrylate	10.6 6.3	-8.1	-6.6	-3.4	-0.5	1.7	50 30	30	30	30	30	30
Methylcyclohexane	-6.4 2.2	1.3	1.6	-1.9	1.1	2.0	50 30	30	30	30	30	30
1,2-Dichloropropane	2.4 0.1	-0.7	0.7	-2.0	0.4	-0.8	50 30	30	30	30	30	30
t-Amyl ethyl ether	-7.1 1.3	-1.1	0.5	2.0	2.4	2.1	50 30	30	30	30	30	30
Methyl methacrylate	2.2 5.7	-2.1	-4.8	-0.1	-0.4	-0.4	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dioxane	+++++ -3.9	4.1	-9.4	17.1	-3.9	-4.0	30	50	30	30	30	30
Dibromomethane	-2.2 2.9	-1.7	-0.4	0.8	1.0	-0.5	50 30	30	30	30	30	30
Bromodichloromethane	-1.9 3.7	-1.5	-1.6	-0.5	1.4	0.3	50 30	30	30	30	30	30
2-Nitropropane	-1.2 21.8	-9.3	-3.3	-7.8	0.3	-0.6	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-10.3 9.5	-5.3	-3.8	2.6	3.3	4.2	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-9.8 9.5	-2.0	-3.8	-0.2	2.9	3.5	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	-4.9 2.6	-6.8	-0.6	1.5	5.6	2.6	50 30	30	30	30	30	30
Toluene	1.4 -4.2	2.4	1.0	0.1	1.5	-2.2	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-3.9 2.8	-3.1	-1.0	1.0	3.5	0.6	50 30	30	30	30	30	30
Ethyl methacrylate	7.2 -4.4	0.1	0.4	-0.8	1.5	-4.1	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-1.3 -1.2	0.7	-1.0	1.0	2.7	-0.8	50 30	30	30	30	30	30
Tetrachloroethene	0.0 -4.3	4.1	0.5	0.8	1.5	-2.6	50 30	30	30	30	30	30
1,3-Dichloropropane	-2.1 0.0	-1.2	-0.8	1.5	2.6	0.0	50 30	30	30	30	30	30
2-Hexanone	-3.7 -4.0	-1.0	-1.0	5.3	5.2	-0.9	50 30	30	30	30	30	30
Dibromochloromethane	-7.0 2.0	0.3	-0.4	1.0	2.6	1.4	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-9.9 0.7	2.1	0.9	1.0	4.2	0.9	50 30	30	30	30	30	30
1-Chlorohexane	15.4 -8.9	9.0	1.1	-5.9	-3.4	-7.3	50 30	30	30	30	30	30
Chlorobenzene	-2.9 -2.6	3.2	0.9	1.0	2.1	-1.8	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-3.1 -3.4	-0.3	1.9	1.7	2.8	0.4	50 30	30	30	30	30	30
Ethylbenzene	-3.2 -5.9	4.4	3.5	0.9	2.4	-2.1	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
m&p-Xylene	-5.2 -4.3	4.7	3.2	1.3	2.3	-2.0	50 30	30	30	30	30	30
n-Butyl acrylate	-3.1 -2.1	2.2	0.5	1.9	1.5	-0.9	50 30	30	30	30	30	30
o-Xylene	-3.2 -3.4	1.5	1.6	1.8	2.8	-1.0	50 30	30	30	30	30	30
Styrene	-4.1 -2.3	2.7	3.0	0.5	2.0	-1.7	50 30	30	30	30	30	30
Bromoform	-8.3 3.3	-3.0	1.2	1.0	4.1	1.7	50 30	30	30	30	30	30
Isopropylbenzene	-6.7 -5.3	3.5	2.2	1.9	3.9	0.5	50 30	30	30	30	30	30
Cyclohexanone	2.9 -8.3	2.3	-3.3	10.1	-3.5	-0.3	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-7.1 -0.8	1.9	2.8	1.7	3.5	-2.0	50 30	30	30	30	30	30
Bromobenzene	-2.8 -1.2	2.2	1.4	1.3	2.2	-3.1	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-6.7 2.0	-3.3	-1.4	2.5	5.0	1.9	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-6.8 -1.7	0.1	2.2	2.2	5.4	-1.4	50 30	30	30	30	30	30
N-Propylbenzene	-3.6 -7.0	3.6	3.4	1.1	4.6	-2.1	50 30	30	30	30	30	30
2-Chlorotoluene	-8.7 -1.6	3.8	3.0	0.5	3.7	-0.7	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-11.1 -1.6	0.9	1.0	2.1	6.2	2.5	50 30	30	30	30	30	30
4-Chlorotoluene	-3.8 -0.5	2.3	1.2	1.3	1.8	-2.3	50 30	30	30	30	30	30
tert-Butylbenzene	-21.3 8.7	-3.0	-2.4	1.4	8.6	8.1	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-8.2 -3.2	1.9	1.6	0.9	5.5	1.5	50 30	30	30	30	30	30
sec-Butylbenzene	-13.9 -2.6	2.8	1.4	1.6	6.7	4.0	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-3.5 -3.5	4.4	2.4	1.7	1.7	-3.2	50 30	30	30	30	30	30
p-Isopropyltoluene	-11.1 -2.7	0.4	2.2	1.0	6.6	3.5	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1 Analy Batch No.: 617813

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 18:05 Calibration End Date: 03/17/2025 20:21 Calibration ID: 70730

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	-2.0 -3.9	3.9	2.7	0.9	1.9	-3.6	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-8.4 -2.4	0.3	0.2	2.4	5.9	2.1	50 30	30	30	30	30	30
Benzyl chloride	-0.4 -3.3	-0.1	-0.6	2.1	3.6	-1.4	50 30	30	30	30	30	30
1,3-Diethylbenzene	-11.4 -1.4	1.5	2.7	1.1	5.5	1.9	50 30	30	30	30	30	30
1,4-Diethylbenzene	-8.8 -3.1	2.3	3.7	1.1	4.2	0.7	50 30	30	30	30	30	30
n-Butylbenzene	-13.9 -1.1	3.4	4.5	1.1	4.8	1.2	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-3.3 -3.2	1.6	2.1	1.3	3.3	-1.8	50 30	30	30	30	30	30
1,2-Diethylbenzene	-16.1 2.2	1.0	0.0	1.5	6.7	4.6	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-6.8 -5.2	-0.5	0.5	4.3	6.2	1.4	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-9.6 -6.5	6.0	3.4	2.8	4.1	-0.2	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-9.9 -8.9	3.1	3.6	5.5	3.8	2.8	50 30	30	30	30	30	30
2-Ethylhexyl acrylate	-5.5 0.0	-3.5	-9.6	2.9	6.0	9.8	50 30	30	30	30	30	30
Hexachlorobutadiene	-9.9 -1.5	-1.0	0.6	0.4	6.4	5.0	50 30	30	30	30	30	30
Naphthalene	-11.5 -12.8	2.4	3.7	6.3	7.7	4.1	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-9.7 -10.7	4.9	1.8	4.1	5.9	3.8	50 30	30	30	30	30	30
2-Methylnaphthalene	-22.9 -4.5	-7.4	-6.1	11.1	13.3	16.4	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	2.5 -6.7	2.2	2.8	1.3	-0.2	-2.0	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	1.5 -0.5	-0.4	0.5	-1.2	-0.1	0.2	50 30	30	30	30	30	30
Toluene-d8 (Surr)	1.5 -2.3	0.7	1.4	0.1	-0.2	-1.2	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	2.2 -1.2	2.1	0.6	-0.5	-1.6	-1.5	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X11.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Mar-2025 18:05:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141042-012
Misc. Info.: IC v1
Operator ID: mec29284 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub95

Method: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2025 12:31:47 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: TQ4J Date: 18-Mar-2025 06:58:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.757	1.770	-0.013	61	7870	1.00	1.05	
4 Chloromethane	50	1.946	1.934	0.012	98	9725	1.00	1.11	
5 Vinyl chloride	62	2.043	2.038	0.005	80	7548	1.00	0.9399	
6 Butadiene	39	2.043	2.038	0.005	91	13682	1.00	1.39	M
8 Bromomethane	94	2.335	2.330	0.005	90	6996	1.00	1.13	
9 Chloroethane	64	2.415	2.409	0.006	96	4292	1.00	1.00	
10 Dichlorofluoromethane	67	2.634	2.622	0.012	96	12672	1.00	1.00	
11 Trichlorofluoromethane	101	2.676	2.682	-0.006	84	7304	1.00	0.7991	
12 Pentane	43	2.713	2.713	0.000	95	7839	1.00	0.8535	
13 Ethanol	45	2.968	2.877	0.091	28	10421	62.5	67.5	a
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.992	2.980	0.012	70	6696	1.00	1.06	
16 Acrolein	56	3.053	3.035	0.018	99	20808	9.76	9.79	
17 1,1-Dichloroethene	96	3.193	3.175	0.018	96	4767	1.00	1.01	
18 Acetone	58	3.211	3.187	0.024	97	1948	2.00	1.84	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.199	3.212	-0.013	84	4709	1.00	0.8502	
21 Iodomethane	142	3.357	3.352	0.005	96	9911	1.00	0.9745	
20 Isopropyl alcohol	45	3.418	3.370	0.048	31	10195	5.00	5.99	
22 Carbon disulfide	76	3.449	3.449	0.000	99	18332	1.00	0.9710	
24 Methyl acetate	43	3.583	3.558	0.025	51	7041	1.00	1.06	
25 3-Chloro-1-propene	41	3.595	3.589	0.006	89	8781	1.00	1.12	
26 Methylene Chloride	84	3.759	3.759	0.000	82	5556	1.00	1.00	
* 27 t-Butyl alcohol-d10 (IS)	65	3.820	3.832	-0.012	70	492884	250.0	250.0	
29 2-Methyl-2-propanol	59	3.929	3.936	-0.007	28	11396	5.00	5.33	
30 Acrylonitrile	53	4.069	4.045	0.024	95	8905	2.50	2.50	
31 Methyl tert-butyl ether	73	4.112	4.124	-0.012	94	16322	1.00	1.03	
32 trans-1,2-Dichloroethene	96	4.142	4.124	0.018	93	5039	1.00	1.07	
34 Hexane	57	4.556	4.550	0.006	93	8277	1.00	1.15	
35 1,1-Dichloroethane	63	4.781	4.781	0.000	39	8112	1.00	1.00	
37 Isopropyl ether	45	4.848	4.848	0.000	96	16254	1.00	1.02	
38 2-Chloro-1,3-butadiene	53	4.903	4.897	0.006	79	7206	1.00	0.9772	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.402	5.396	0.006	97	15010	1.00	0.9871	
40 2-Butanone (MEK)	43	5.645	5.609	0.036	80	8887	2.00	1.74	
41 cis-1,2-Dichloroethene	96	5.645	5.633	0.012	78	5594	1.00	1.02	
42 2,2-Dichloropropane	77	5.657	5.651	0.006	57	8648	1.00	1.05	
43 Propionitrile	54	5.718	5.694	0.024	94	7940	5.00	4.53	M
46 Methyl acrylate	55	5.767	5.742	0.025	30	10375	1.00	1.17	
47 Methacrylonitrile	67	5.925	5.913	0.012	76	9094	2.50	2.62	
48 Chlorobromomethane	128	5.986	5.967	0.019	94	2915	1.00	0.99	
49 Tetrahydrofuran	71	5.998	5.986	0.012	91	8607	5.00	5.45	
50 Chloroform	83	6.126	6.126	0.000	90	9042	1.00	1.06	
S 51 1,2-Dichloroethene, Total	100				0			2.09	
$ 52 Dibromofluoromethane (Surr)	113	6.345	6.345	-0.001	93	254262	50.0	51.3	
53 1,1,1-Trichloroethane	97	6.369	6.363	0.006	47	7471	1.00	0.9233	
54 Cyclohexane	56	6.466	6.460	0.006	89	9430	1.00	0.9645	
55 Carbon tetrachloride	117	6.570	6.576	-0.006	93	6101	1.00	0.8694	
56 1,1-Dichloropropene	75	6.582	6.576	0.006	89	5906	1.00	0.9023	
57 Isobutyl alcohol	41	6.789	6.771	0.018	36	13290	12.5	20.1	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.807	6.807	0.000	67	60502	50.0	50.7	
59 Benzene	78	6.843	6.844	-0.001	95	18594	1.00	0.9419	
60 1,2-Dichloroethane	62	6.910	6.917	-0.007	43	6401	1.00	0.9859	
62 Tert-amyl methyl ether	73	7.050	7.044	0.006	95	14675	1.00	0.99	
* 63 Fluorobenzene (IS)	96	7.257	7.257	0.000	99	954490	50.0	50.0	
64 n-Heptane	43	7.294	7.288	0.006	54	9106	1.00	1.29	
65 n-Butanol	56	7.713	7.671	0.042	55	4949	12.5	10.3	
66 Trichloroethene	95	7.750	7.744	0.006	90	4743	1.00	0.9540	
68 Ethyl acrylate	55	7.884	7.872	0.012	95	9891	1.00	1.11	
69 Methylcyclohexane	83	8.054	8.054	0.000	81	8826	1.00	0.9364	
70 1,2-Dichloropropane	63	8.084	8.078	0.006	90	5305	1.00	1.02	
71 2-ethoxy-2-methyl butane	87	8.103	8.103	0.000	88	6599	1.00	0.9289	
73 Methyl methacrylate	69	8.200	8.182	0.018	89	5090	1.00	1.02	
74 Dibromomethane	93	8.188	8.188	0.000	76	3392	1.00	0.9779	
72 1,4-Dioxane	88	8.206	8.200	0.006	1	638	12.5	4.75	M
76 Dichlorobromomethane	83	8.437	8.431	0.006	96	6285	1.00	0.9810	
77 2-Nitropropane	41	8.711	8.705	0.006	97	13239	5.00	4.94	
78 2-Chloroethyl vinyl ether	63	8.827	8.809	0.018	83	3203	1.00	0.8966	
79 cis-1,3-Dichloropropene	75	9.003	9.003	0.000	93	6768	1.00	0.9020	
80 4-Methyl-2-pentanone (MIBK)	43	9.198	9.192	0.006	96	20171	2.00	1.90	
$ 82 Toluene-d8 (Surr)	98	9.338	9.332	0.006	94	931140	50.0	50.7	
86 Toluene	92	9.417	9.417	0.000	99	11908	1.00	1.01	
87 trans-1,3-Dichloropropene	75	9.703	9.697	0.006	91	6351	1.00	0.9611	
89 Ethyl methacrylate	69	9.782	9.776	0.006	88	9187	1.00	1.07	
90 1,1,2-Trichloroethane	97	9.916	9.910	0.006	84	4427	1.00	0.9874	
105 Tetrachloroethene	166	10.007	10.001	0.006	94	5129	1.00	1.00	
S 106 1,3-Dichloropropene, Total	100				0			1.86	
107 1,3-Dichloropropane	76	10.080	10.080	0.000	90	6852	1.00	0.9791	
109 2-Hexanone	43	10.153	10.141	0.012	96	14082	2.00	1.93	
119 Chlorodibromomethane	129	10.299	10.299	0.000	87	4822	1.00	0.9303	
123 Ethylene Dibromide	107	10.414	10.408	0.006	97	4313	1.00	0.9009	
* 125 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	85	673529	50.0	50.0	
126 1-Chlorohexane	91	10.877	10.883	-0.006	47	7501	1.00	1.15	a
130 Chlorobenzene	112	10.889	10.889	0.000	94	12658	1.00	0.9713	
132 1,1,1,2-Tetrachloroethane	131	10.974	10.980	-0.006	94	5203	1.00	0.9694	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
133 Ethylbenzene	91	10.986	10.986	0.000	98	22798	1.00	0.9681	
135 m-Xylene & p-Xylene	106	11.108	11.102	0.006	99	17675	2.00	1.90	
S 136 Xylenes, Total	106				0			2.86	
137 n-Butyl acrylate	55	11.406	11.400	0.006	97	12006	1.00	0.9684	
138 o-Xylene	106	11.436	11.437	-0.001	95	9556	1.00	0.9678	
139 Styrene	104	11.455	11.455	0.000	93	14457	1.00	0.9586	
140 Bromoform	173	11.607	11.607	0.000	95	3778	1.00	0.9167	
141 Isopropylbenzene	105	11.747	11.747	0.000	95	21474	1.00	0.9335	
144 Cyclohexanone	55	11.820	11.820	0.000	93	28382	50.0	51.4	
$ 145 4-Bromofluorobenzene (Surr)	95	11.893	11.893	0.000	92	342726	50.0	51.1	
146 1,1,2,2-Tetrachloroethane	83	11.996	11.996	0.000	96	8806	1.00	0.9288	
147 Bromobenzene	156	12.002	12.008	-0.006	87	6071	1.00	0.9724	
148 trans-1,4-Dichloro-2-butene	53	12.027	12.021	0.006	86	5781	2.50	2.33	
149 1,2,3-Trichloropropane	110	12.039	12.039	0.000	80	2522	1.00	0.9322	
150 N-Propylbenzene	91	12.081	12.081	0.000	99	28996	1.00	0.9643	
151 2-Chlorotoluene	126	12.160	12.154	0.006	97	5775	1.00	0.9132	
152 1,3,5-Trimethylbenzene	105	12.221	12.221	0.000	93	20023	1.00	0.8891	
153 4-Chlorotoluene	126	12.252	12.252	0.000	97	5864	1.00	0.9621	
155 tert-Butylbenzene	134	12.465	12.465	0.000	92	3220	1.00	0.7871	
157 1,2,4-Trimethylbenzene	105	12.513	12.507	0.006	97	21563	1.00	0.9176	
158 sec-Butylbenzene	105	12.629	12.629	0.000	94	24354	1.00	0.8609	
159 1,3-Dichlorobenzene	146	12.726	12.726	0.000	96	12113	1.00	0.9649	
160 4-Isopropyltoluene	119	12.744	12.745	-0.001	97	22300	1.00	0.8895	
* 161 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	94	422429	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.799	12.799	0.000	94	12472	1.00	0.9801	
165 1,2,3-Trimethylbenzene	105	12.811	12.812	-0.001	93	22908	1.00	0.9156	
166 Benzyl chloride	91	12.878	12.878	0.000	99	19390	1.00	1.00	
167 1,3-Diethylbenzene	119	12.945	12.945	0.000	95	13084	1.00	0.8860	
168 p-Diethylbenzene	119	13.018	13.018	0.000	95	14487	1.00	0.9118	
169 n-Butylbenzene	92	13.036	13.037	-0.001	96	10757	1.00	0.8607	
170 1,2-Dichlorobenzene	146	13.061	13.061	0.000	98	12808	1.00	0.9674	
171 o-diethylbenzene	119	13.085	13.091	-0.006	94	10622	1.00	0.8393	
172 1,2-Dibromo-3-Chloropropane	75	13.602	13.602	0.000	87	2665	1.00	0.9323	
174 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	97	9363	1.00	0.9038	
175 1,2,4-Trichlorobenzene	180	14.156	14.162	-0.006	95	8966	1.00	0.9005	
176 2-Ethylhexyl acrylate	55	14.229	14.229	0.000	80	8384	1.00	0.9446	
177 Hexachlorobutadiene	225	14.247	14.247	0.000	93	3418	1.00	0.9012	
178 Naphthalene	128	14.338	14.338	0.000	96	31414	1.00	0.8855	
179 1,2,3-Trichlorobenzene	180	14.478	14.478	0.000	96	8675	1.00	0.9033	
180 2-Methylnaphthalene	142	15.081	15.075	0.006	91	11199	1.00	0.7713	
S 215 Total Diethylbenzene	1				0			2.64	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_4ppbEtOH_00745	Amount Added:	12.50	Units: mL	
MSV_HP04_ISSS_00004	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 18-Mar-2025 12:31:48 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X11.D

Injection Date: 17-Mar-2025 18:05:30 Instrument ID: 23297 Operator ID: mec29284

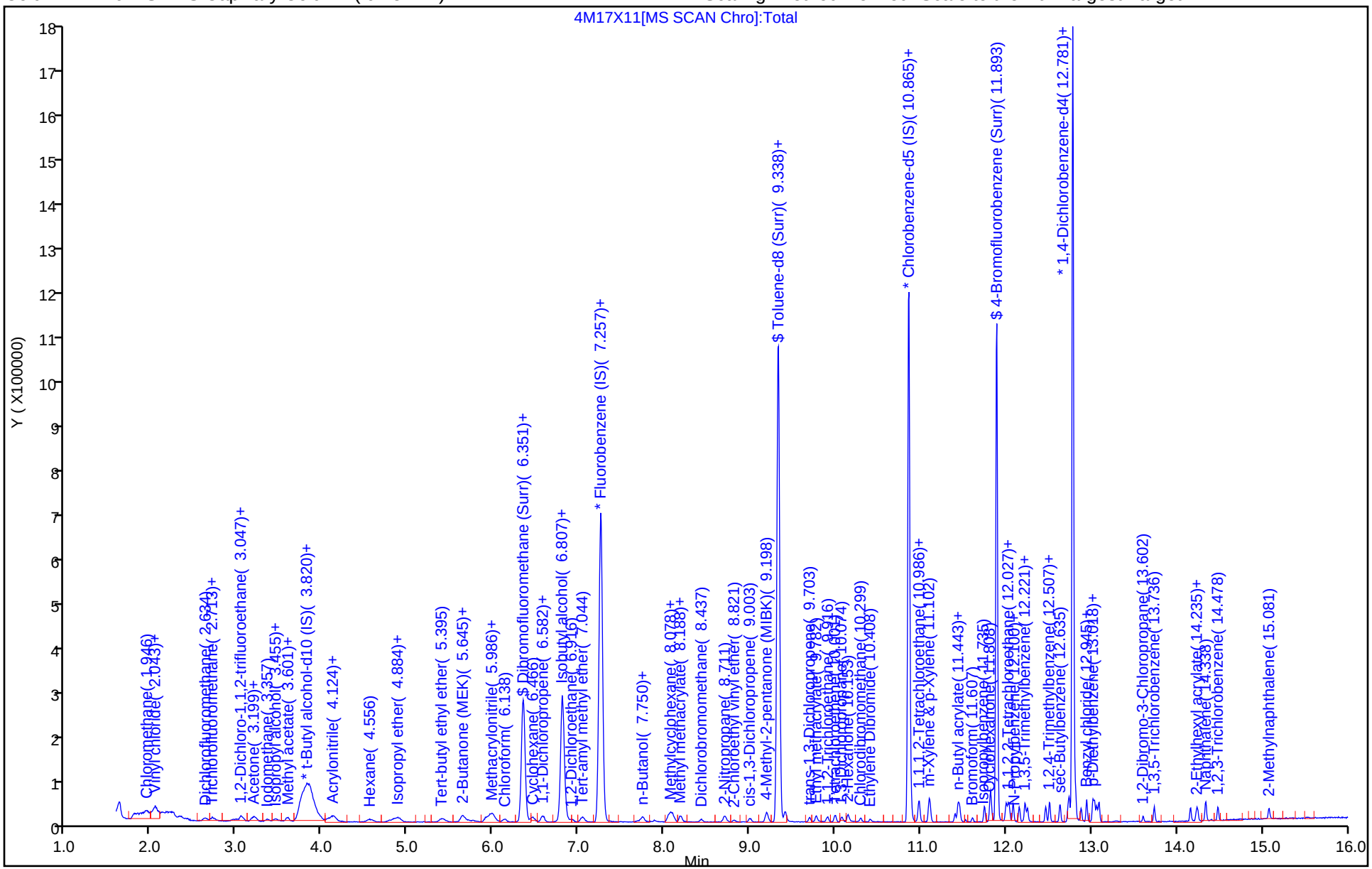
Lims ID: IC v1 Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

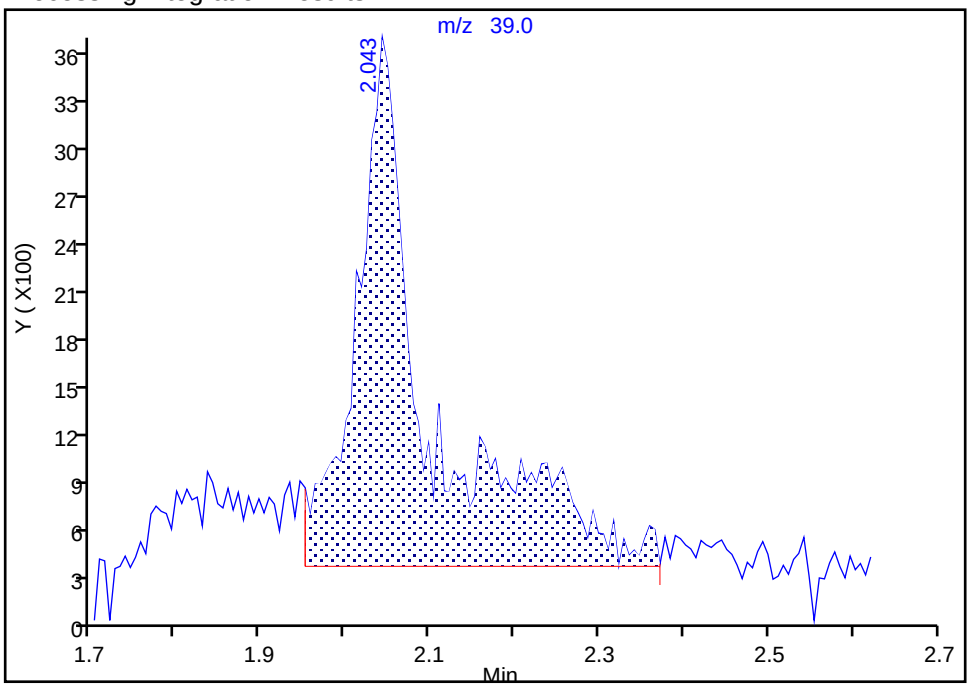
Data File:	\\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X11.D				
Injection Date:	17-Mar-2025 18:05:30	Instrument ID:	23297		
Lims ID:	IC v1				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

6 Butadiene, CAS: 106-99-0

Signal: 1

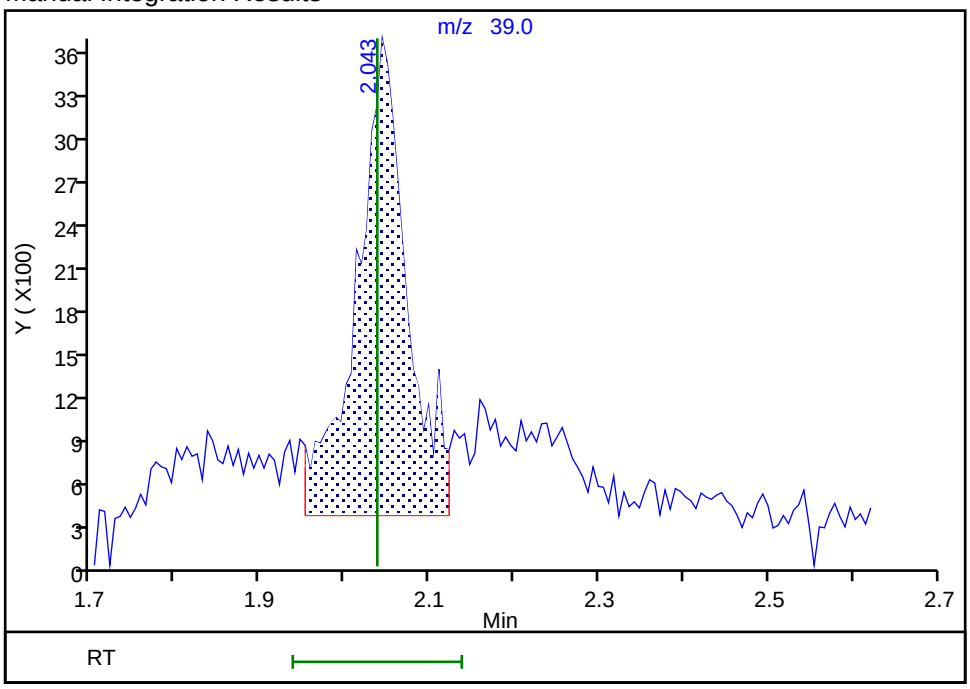
Processing Integration Results

RT: 2.04
Area: 19660
Amount: 1.019979
Amount Units: ug/l



Manual Integration Results

RT: 2.04
Area: 13682
Amount: 1.390956
Amount Units: ug/l



Reviewer: UKEK, 18-Mar-2025 12:03:55 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

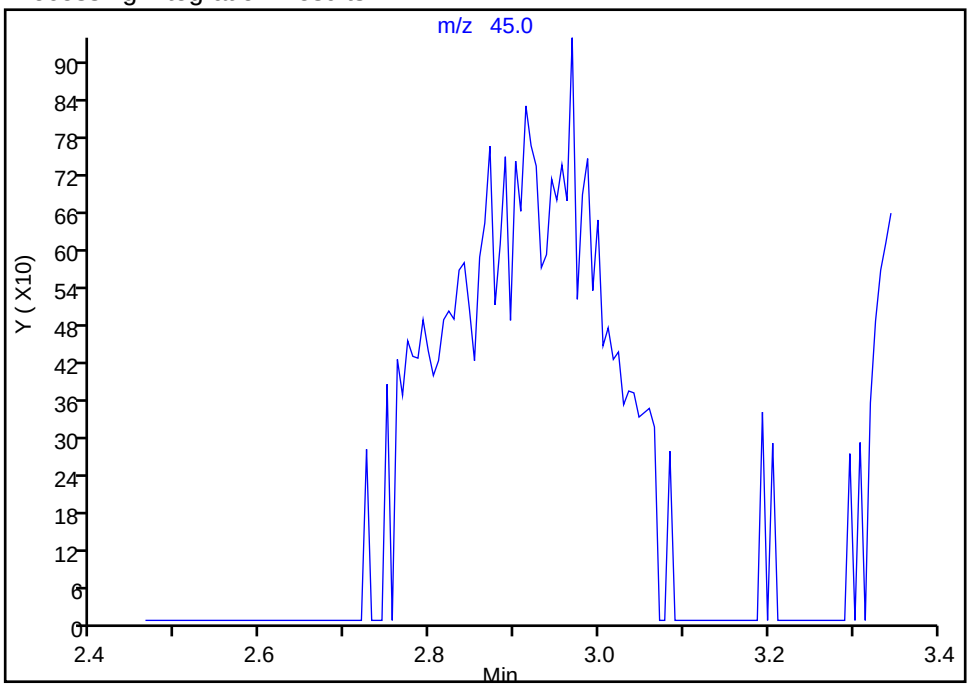
Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X11.D
Injection Date: 17-Mar-2025 18:05:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: mec29284 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

13 Ethanol, CAS: 64-17-5

Signal: 1

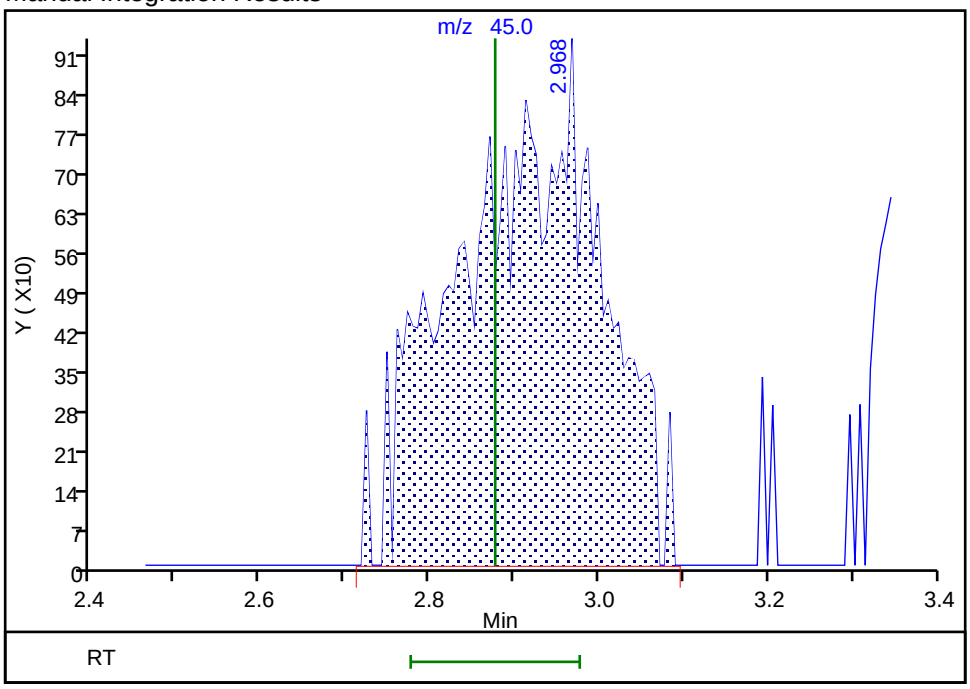
Not Detected
Expected RT: 2.88

Processing Integration Results



Manual Integration Results

RT: 2.97
Area: 10421
Amount: 67.533069
Amount Units: ug/l



Reviewer: TQ4J, 18-Mar-2025 06:57:52 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

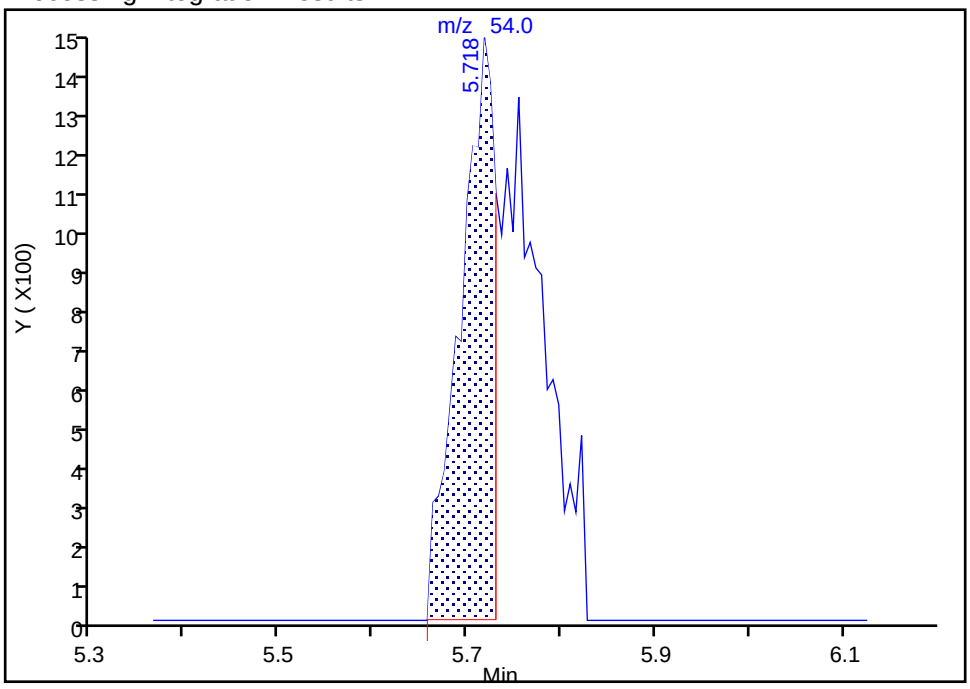
Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X11.D
Injection Date: 17-Mar-2025 18:05:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: mec29284 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

43 Propionitrile, CAS: 107-12-0

Signal: 1

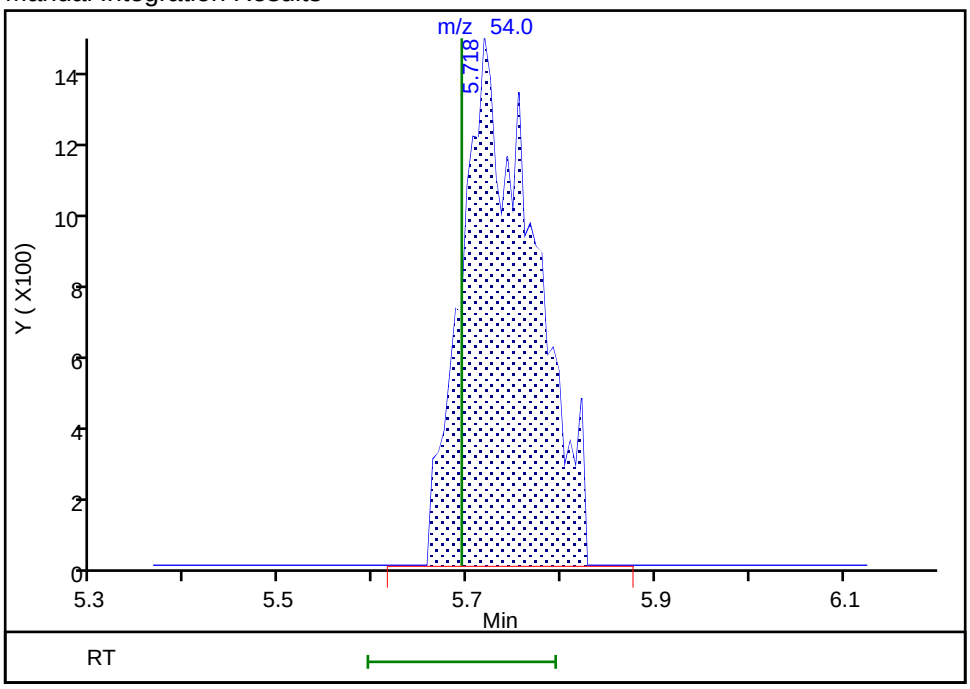
Processing Integration Results

RT: 5.72
Area: 3817
Amount: 5.017746
Amount Units: ug/l



Manual Integration Results

RT: 5.72
Area: 7940
Amount: 4.533154
Amount Units: ug/l



Reviewer: TQ4J, 18-Mar-2025 06:58:07 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

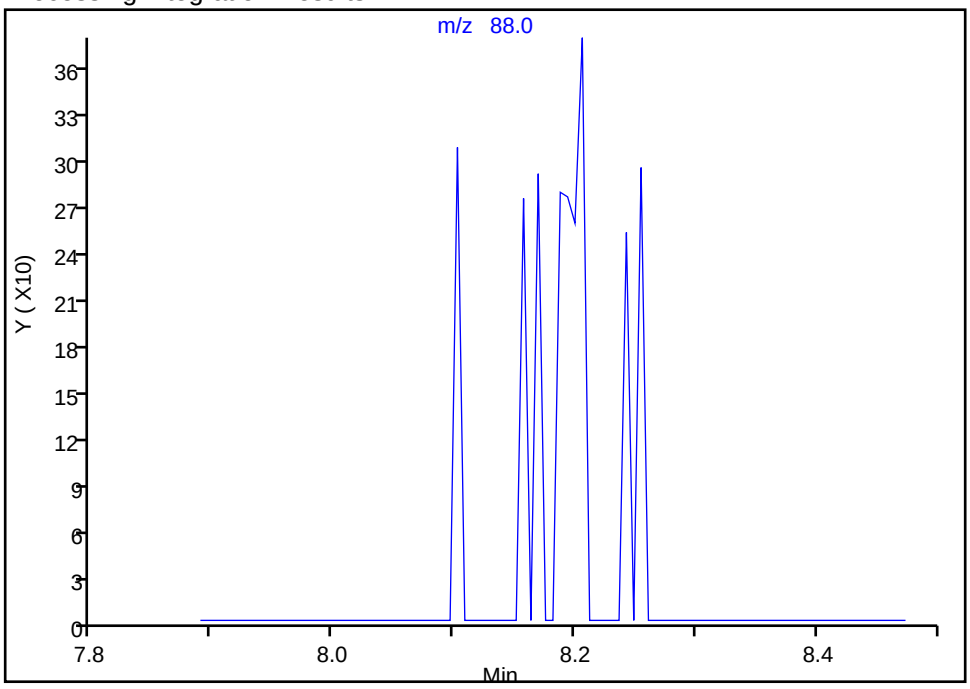
Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X11.D
Injection Date: 17-Mar-2025 18:05:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: mec29284 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

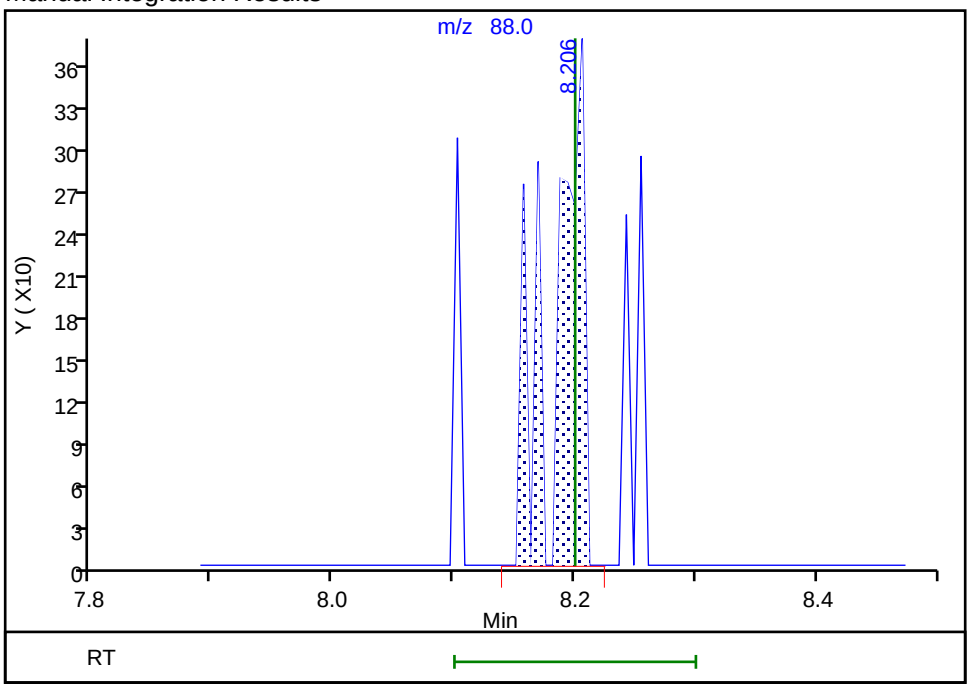
Not Detected
Expected RT: 8.20

Processing Integration Results



Manual Integration Results

RT: 8.21
Area: 638
Amount: 4.748485
Amount Units: ug/l



Reviewer: TQ4J, 18-Mar-2025 06:58:21 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

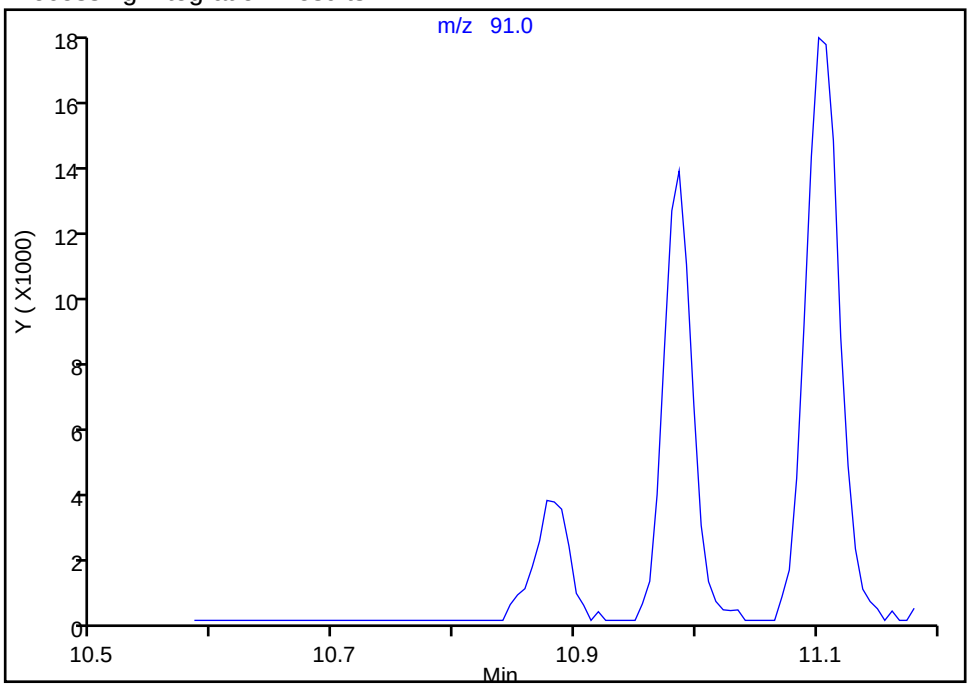
Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X11.D
Injection Date: 17-Mar-2025 18:05:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: mec29284 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

126 1-Chlorohexane, CAS: 544-10-5

Signal: 1

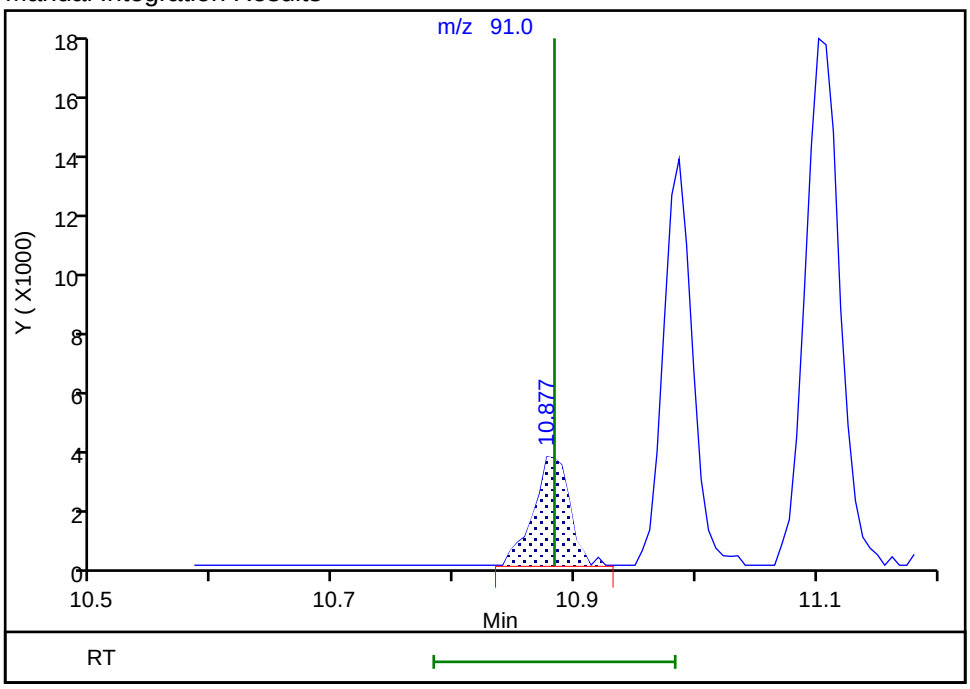
Not Detected
Expected RT: 10.88

Processing Integration Results



Manual Integration Results

RT: 10.88
Area: 7501
Amount: 1.153562
Amount Units: ug/l



Reviewer: TQ4J, 18-Mar-2025 06:58:31 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X12.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Mar-2025 18:28:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141042-013
Misc. Info.: IC v4
Operator ID: mec29284 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub95

Method: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2025 12:31:53 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: TQ4J Date: 18-Mar-2025 07:00:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.758	1.770	-0.012	98	29321	4.00	4.03	
4 Chloromethane	50	1.922	1.934	-0.012	99	36542	4.00	4.28	
5 Vinyl chloride	62	2.037	2.038	-0.001	75	32709	4.00	4.20	
6 Butadiene	39	2.037	2.038	-0.001	95	39726	4.00	4.16	
8 Bromomethane	94	2.323	2.330	-0.007	90	25180	4.00	4.19	
9 Chloroethane	64	2.402	2.409	-0.007	99	17523	4.00	4.23	
10 Dichlorofluoromethane	67	2.615	2.622	-0.007	97	52528	4.00	4.28	
11 Trichlorofluoromethane	101	2.670	2.682	-0.012	97	35664	4.00	4.02	
12 Pentane	43	2.701	2.713	-0.012	94	37202	4.00	4.17	
13 Ethanol	45	2.907	2.877	0.030	25	44798	250.0	282.6	a
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.974	2.980	-0.006	89	25224	4.00	4.10	
16 Acrolein	56	3.035	3.035	0.000	99	76658	39.0	35.1	
17 1,1-Dichloroethene	96	3.175	3.175	0.000	98	18985	4.00	4.15	
18 Acetone	58	3.206	3.187	0.019	98	7106	8.00	6.55	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.199	3.212	-0.013	91	22685	4.00	4.22	
21 Iodomethane	142	3.345	3.352	-0.007	97	40657	4.00	4.12	
20 Isopropyl alcohol	45	3.418	3.370	0.048	30	39864	20.0	22.8	
22 Carbon disulfide	76	3.443	3.449	-0.006	99	76397	4.00	4.17	
24 Methyl acetate	43	3.558	3.558	0.000	98	24178	4.00	3.73	
25 3-Chloro-1-propene	41	3.583	3.589	-0.006	89	31485	4.00	4.16	
26 Methylene Chloride	84	3.753	3.759	-0.006	91	23024	4.00	4.25	
* 27 t-Butyl alcohol-d10 (IS)	65	3.832	3.832	0.000	91	506263	250.0	250.0	
29 2-Methyl-2-propanol	59	3.911	3.936	-0.025	93	44597	20.0	20.3	
30 Acrylonitrile	53	4.045	4.045	0.000	99	34486	10.0	10.0	
31 Methyl tert-butyl ether	73	4.106	4.124	-0.018	95	64118	4.00	4.18	
32 trans-1,2-Dichloroethene	96	4.124	4.124	0.000	98	18477	4.00	4.05	
34 Hexane	57	4.562	4.550	0.012	94	30749	4.00	4.41	
35 1,1-Dichloroethane	63	4.781	4.781	0.000	95	32288	4.00	4.11	
37 Isopropyl ether	45	4.848	4.848	0.000	95	63373	4.00	4.08	
38 2-Chloro-1,3-butadiene	53	4.891	4.897	-0.006	91	30759	4.00	4.30	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.390	5.396	-0.006	96	59758	4.00	4.05	
40 2-Butanone (MEK)	43	5.609	5.609	-0.001	100	38382	8.00	7.74	
41 cis-1,2-Dichloroethene	96	5.627	5.633	-0.006	82	22177	4.00	4.15	
42 2,2-Dichloropropane	77	5.645	5.651	-0.006	91	33213	4.00	4.14	
43 Propionitrile	54	5.694	5.694	0.000	95	32522	20.0	18.1	
46 Methyl acrylate	55	5.742	5.742	0.000	99	35523	4.00	4.12	
47 Methacrylonitrile	67	5.913	5.913	0.000	91	33632	10.0	9.97	
48 Chlorobromomethane	128	5.974	5.967	0.007	91	12089	4.00	4.24	
49 Tetrahydrofuran	71	5.980	5.986	-0.006	91	29170	20.0	18.0	
50 Chloroform	83	6.120	6.126	-0.006	94	34756	4.00	4.18	
S 51 1,2-Dichloroethene, Total	100				0			8.20	
$ 52 Dibromofluoromethane (Surr)	113	6.345	6.345	0.000	93	246002	50.0	51.1	
53 1,1,1-Trichloroethane	97	6.357	6.363	-0.006	74	33579	4.00	4.28	
54 Cyclohexane	56	6.460	6.460	0.000	90	40476	4.00	4.27	
55 Carbon tetrachloride	117	6.570	6.576	-0.006	91	28687	4.00	4.21	
56 1,1-Dichloropropene	75	6.576	6.576	0.000	93	26204	4.00	4.13	
57 Isobutyl alcohol	41	6.770	6.771	-0.001	64	32367	50.0	47.7	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.801	6.807	-0.006	71	57662	50.0	49.8	
59 Benzene	78	6.837	6.844	-0.007	92	78394	4.00	4.09	
60 1,2-Dichloroethane	62	6.910	6.917	-0.007	97	24600	4.00	3.90	
62 Tert-amyl methyl ether	73	7.044	7.044	0.000	98	57756	4.00	4.02	
* 63 Fluorobenzene (IS)	96	7.251	7.257	-0.006	99	926277	50.0	50.0	
64 n-Heptane	43	7.275	7.288	-0.013	93	27809	4.00	4.06	
65 n-Butanol	56	7.683	7.671	0.012	88	23259	50.0	47.2	
66 Trichloroethene	95	7.744	7.744	0.000	98	19747	4.00	4.09	
68 Ethyl acrylate	55	7.878	7.872	0.006	99	31905	4.00	3.68	
69 Methylcyclohexane	83	8.048	8.054	-0.006	91	37073	4.00	4.05	
70 1,2-Dichloropropane	63	8.072	8.078	-0.006	94	19970	4.00	3.97	
71 2-ethoxy-2-methyl butane	87	8.097	8.103	-0.006	89	27279	4.00	3.96	
73 Methyl methacrylate	69	8.188	8.182	0.006	91	18929	4.00	3.92	
74 Dibromomethane	93	8.182	8.188	-0.006	72	13239	4.00	3.93	
72 1,4-Dioxane	88	8.164	8.200	-0.036	27	7180	50.0	52.0	
76 Dichlorobromomethane	83	8.431	8.431	0.000	99	24504	4.00	3.94	
77 2-Nitropropane	41	8.705	8.705	0.000	98	49913	20.0	18.1	
78 2-Chloroethyl vinyl ether	63	8.815	8.809	0.006	91	13135	4.00	3.79	
79 cis-1,3-Dichloropropene	75	8.997	9.003	-0.006	95	28533	4.00	3.92	
80 4-Methyl-2-pentanone (MIBK)	43	9.192	9.192	0.000	97	76758	8.00	7.45	
$ 82 Toluene-d8 (Surr)	98	9.332	9.332	0.000	93	913884	50.0	50.4	
86 Toluene	92	9.417	9.417	0.000	98	47577	4.00	4.10	
87 trans-1,3-Dichloropropene	75	9.697	9.697	0.000	93	25331	4.00	3.88	
89 Ethyl methacrylate	69	9.776	9.776	0.000	91	33936	4.00	4.00	
90 1,1,2-Trichloroethane	97	9.904	9.910	-0.006	90	17860	4.00	4.03	
105 Tetrachloroethene	166	10.001	10.001	0.000	95	21123	4.00	4.16	
S 106 1,3-Dichloropropene, Total	100				0			7.79	
107 1,3-Dichloropropane	76	10.074	10.080	-0.006	92	27364	4.00	3.95	
109 2-Hexanone	43	10.147	10.141	0.006	97	57287	8.00	7.92	
119 Chlorodibromomethane	129	10.299	10.299	0.000	91	20576	4.00	4.01	
123 Ethylene Dibromide	107	10.408	10.408	0.000	98	19345	4.00	4.09	
* 125 Chlorobenzene-d5 (IS)	117	10.859	10.865	-0.006	85	666132	50.0	50.0	
126 1-Chlorohexane	91	10.883	10.883	0.000	97	28045	4.00	4.36	
130 Chlorobenzene	112	10.889	10.889	0.000	96	53215	4.00	4.13	
132 1,1,1,2-Tetrachloroethane	131	10.974	10.980	-0.006	95	21165	4.00	3.99	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
133 Ethylbenzene	91	10.986	10.986	0.000	98	97247	4.00	4.18	
135 m-Xylene & p-Xylene	106	11.102	11.102	0.000	100	77228	8.00	8.37	
S 136 Xylenes, Total	106				0			12.4	
137 n-Butyl acrylate	55	11.400	11.400	0.000	96	50121	4.00	4.09	
138 o-Xylene	106	11.443	11.437	0.006	96	39657	4.00	4.06	
139 Styrene	104	11.455	11.455	0.000	95	61276	4.00	4.11	
140 Bromoform	173	11.607	11.607	0.000	96	15811	4.00	3.88	
141 Isopropylbenzene	105	11.747	11.747	0.000	96	94161	4.00	4.14	
144 Cyclohexanone	55	11.820	11.820	0.000	93	115973	200.0	204.6	
$ 145 4-Bromofluorobenzene (Surr)	95	11.893	11.893	0.000	92	338619	50.0	51.0	
146 1,1,2,2-Tetrachloroethane	83	11.996	11.996	0.000	95	37842	4.00	4.08	
147 Bromobenzene	156	12.008	12.008	0.000	91	24976	4.00	4.09	
148 trans-1,4-Dichloro-2-butene	53	12.027	12.021	0.006	89	23457	10.0	9.67	
149 1,2,3-Trichloropropane	110	12.039	12.039	0.000	83	10604	4.00	4.00	
150 N-Propylbenzene	91	12.081	12.081	0.000	99	121958	4.00	4.14	
151 2-Chlorotoluene	126	12.154	12.154	0.000	97	25709	4.00	4.15	
152 1,3,5-Trimethylbenzene	105	12.221	12.221	0.000	94	88976	4.00	4.04	
153 4-Chlorotoluene	126	12.252	12.252	0.000	96	24422	4.00	4.09	
155 tert-Butylbenzene	134	12.465	12.465	0.000	93	15541	4.00	3.88	
157 1,2,4-Trimethylbenzene	105	12.507	12.507	0.000	97	93728	4.00	4.07	
158 sec-Butylbenzene	105	12.629	12.629	0.000	94	113843	4.00	4.11	
159 1,3-Dichlorobenzene	146	12.726	12.726	0.000	98	51296	4.00	4.17	
160 4-Isopropyltoluene	119	12.745	12.745	0.000	97	98587	4.00	4.02	
* 161 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	94	413533	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.799	12.799	0.000	95	51775	4.00	4.16	
165 1,2,3-Trimethylbenzene	105	12.811	12.812	-0.001	98	98273	4.00	4.01	
166 Benzyl chloride	91	12.878	12.878	0.000	98	76210	4.00	4.00	
167 1,3-Diethylbenzene	119	12.945	12.945	0.000	96	58719	4.00	4.06	
168 p-Diethylbenzene	119	13.018	13.018	0.000	95	63626	4.00	4.09	
169 n-Butylbenzene	92	13.037	13.037	0.000	98	50601	4.00	4.14	
170 1,2-Dichlorobenzene	146	13.061	13.061	0.000	98	52650	4.00	4.06	
171 o-diethylbenzene	119	13.091	13.091	0.000	94	50033	4.00	4.04	
172 1,2-Dibromo-3-Chloropropane	75	13.602	13.602	0.000	87	11141	4.00	3.98	
174 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	97	42985	4.00	4.24	
175 1,2,4-Trichlorobenzene	180	14.156	14.162	-0.006	94	40202	4.00	4.12	
176 2-Ethylhexyl acrylate	55	14.229	14.229	0.000	81	33507	4.00	3.86	
177 Hexachlorobutadiene	225	14.247	14.247	0.000	96	14698	4.00	3.96	
178 Naphthalene	128	14.338	14.338	0.000	97	142259	4.00	4.10	
179 1,2,3-Trichlorobenzene	180	14.484	14.478	0.006	97	39450	4.00	4.20	
180 2-Methylnaphthalene	142	15.075	15.075	0.000	93	52659	4.00	3.70	
S 215 Total Diethylbenzene	1				0			12.2	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00227	Amount Added:	4.00	Units: uL	
MSV_CCV_VOC#3_00228	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00219	Amount Added:	4.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added:	20.00	Units: uL	
MSV_CCV_GASES_01047	Amount Added:	2.00	Units: uL	
MSV_CCV_CYC_00011	Amount Added:	32.00	Units: uL	
MSV_CCV_OH_Sp_00020	Amount Added:	4.00	Units: uL	
MSV_HP04_ISSS_00004	Amount Added:	1.00	Units: uL	Run Reagent

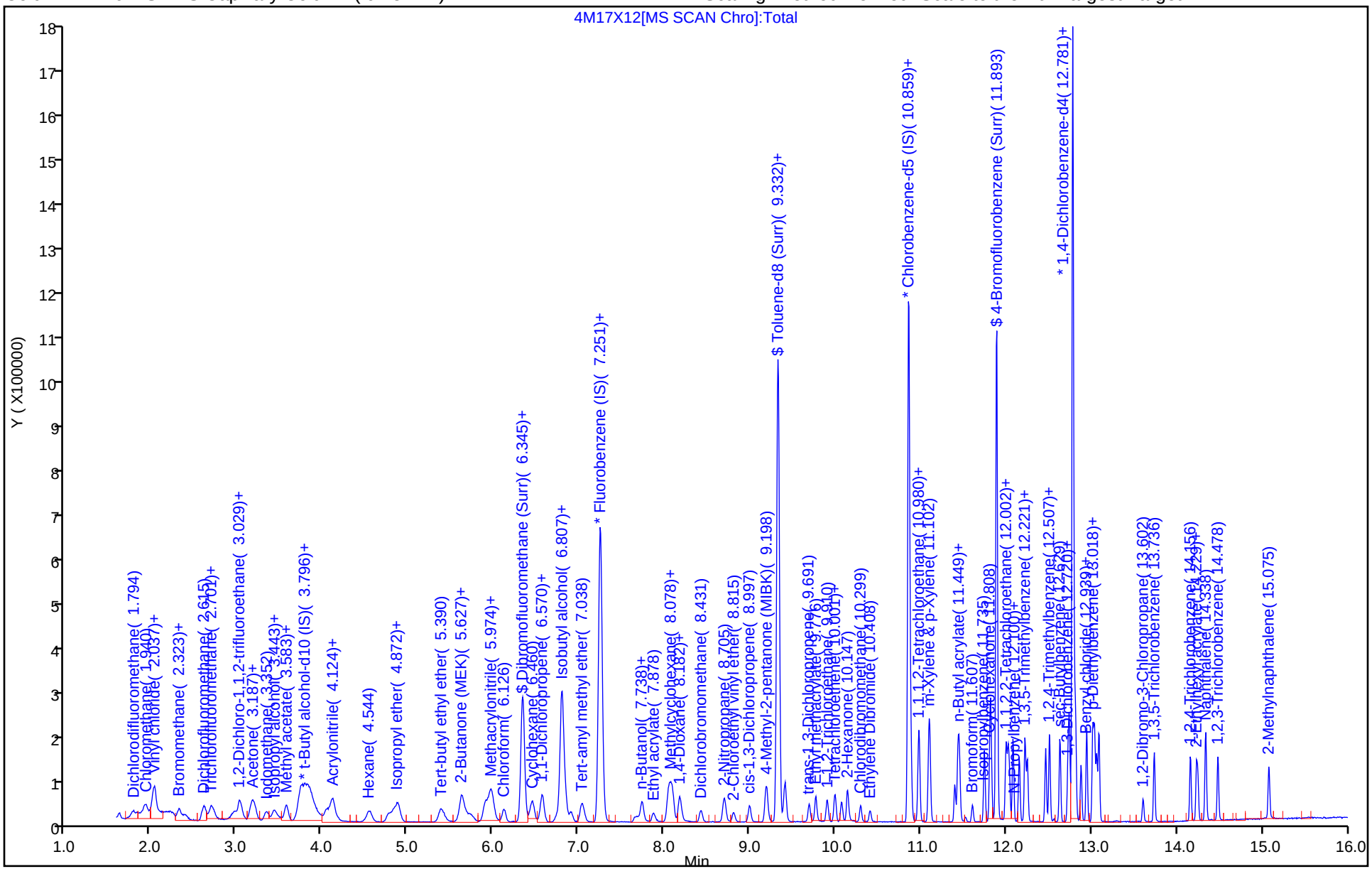
Report Date: 18-Mar-2025 12:31:54 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X12.D

Injection Date:	17-Mar-2025 18:28:30	Instrument ID:	23297	Operator ID:	mec29284
Lims ID:	IC v4			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

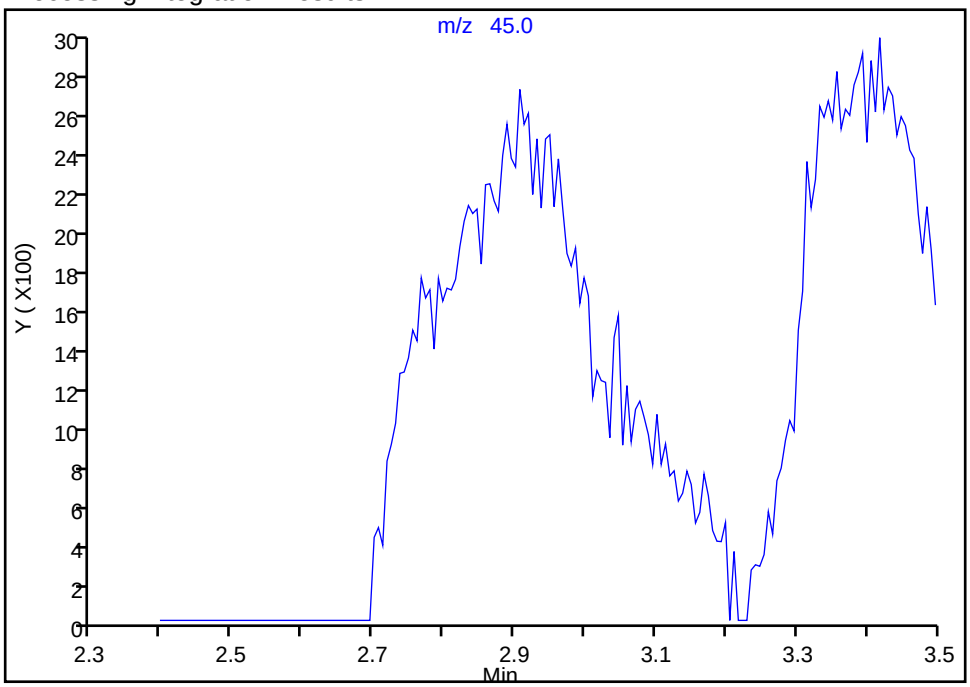
Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X12.D
Injection Date: 17-Mar-2025 18:28:30 Instrument ID: 23297
Lims ID: IC v4
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

13 Ethanol, CAS: 64-17-5

Signal: 1

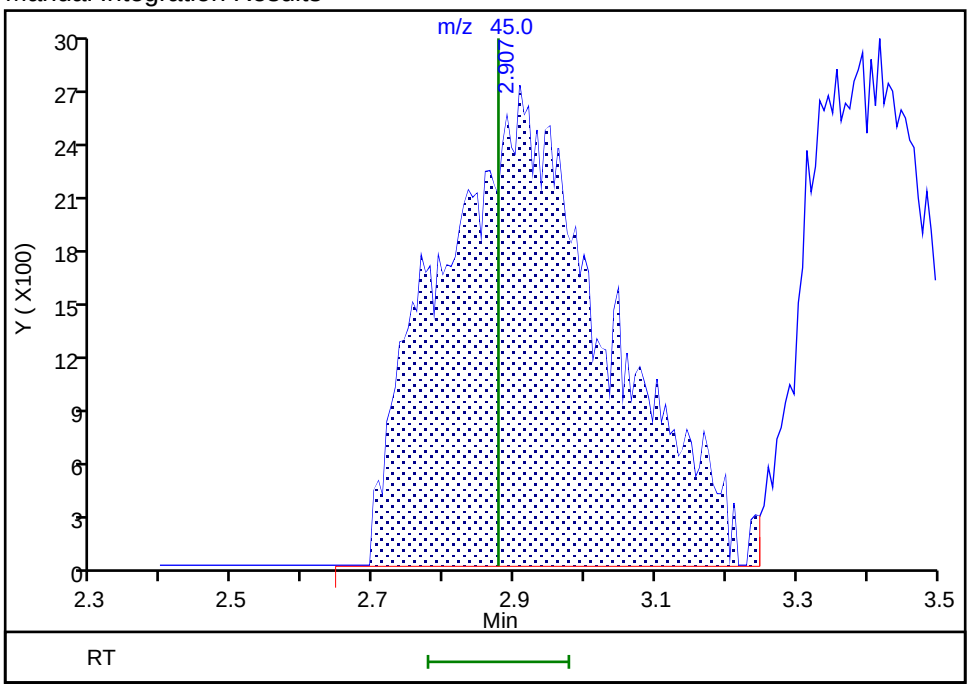
Not Detected
Expected RT: 2.88

Processing Integration Results



Manual Integration Results

RT: 2.91
Area: 44798
Amount: 282.6404
Amount Units: ug/l



Reviewer: TQ4J, 18-Mar-2025 06:59:56 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X13.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Mar-2025 18:50:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141042-014
Misc. Info.: IC v10
Operator ID: mec29284 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub95

Method: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2025 12:31:58 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: TQ4J Date: 18-Mar-2025 07:02:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.770	1.770	0.000	98	70994	10.0	9.65	
4 Chloromethane	50	1.946	1.934	0.012	99	87963	10.0	10.2	
5 Vinyl chloride	62	2.043	2.038	0.005	79	79985	10.0	10.2	
6 Butadiene	39	2.050	2.038	0.012	92	96590	10.0	10.0	M
8 Bromomethane	94	2.342	2.330	0.012	90	62649	10.0	10.3	
9 Chloroethane	64	2.415	2.409	0.006	99	43183	10.0	10.3	
10 Dichlorofluoromethane	67	2.628	2.622	0.006	97	127446	10.0	10.3	
11 Trichlorofluoromethane	101	2.688	2.682	0.006	96	90371	10.0	10.1	
12 Pentane	43	2.719	2.713	0.006	97	92593	10.0	10.3	
13 Ethanol	45	2.889	2.877	0.012	93	68893	500.0	470.9	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.980	2.980	0.000	93	63433	10.0	10.2	
16 Acrolein	56	3.047	3.035	0.012	99	204642	97.6	101.6	
17 1,1-Dichloroethene	96	3.175	3.175	0.000	98	46331	10.0	10.0	
18 Acetone	58	3.212	3.187	0.025	99	21244	20.0	21.2	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.212	3.212	0.000	90	55442	10.0	10.2	
21 Iodomethane	142	3.351	3.352	-0.001	98	101315	10.0	10.2	
20 Isopropyl alcohol	45	3.394	3.370	0.024	68	84009	50.0	52.1	
22 Carbon disulfide	76	3.455	3.449	0.006	100	189067	10.0	10.2	
24 Methyl acetate	43	3.570	3.558	0.012	97	65392	10.0	10.0	
25 3-Chloro-1-propene	41	3.595	3.589	0.006	90	78414	10.0	10.2	
26 Methylene Chloride	84	3.759	3.759	0.000	94	56338	10.0	10.3	
* 27 t-Butyl alcohol-d10 (IS)	65	3.826	3.832	-0.006	96	467259	250.0	250.0	
29 2-Methyl-2-propanol	59	3.935	3.936	-0.001	99	100189	50.0	49.4	
30 Acrylonitrile	53	4.051	4.045	0.006	98	88454	25.0	25.4	
31 Methyl tert-butyl ether	73	4.112	4.124	-0.012	96	156658	10.0	10.1	
32 trans-1,2-Dichloroethene	96	4.136	4.124	0.012	99	48636	10.0	10.5	
34 Hexane	57	4.562	4.550	0.012	93	73666	10.0	10.5	
35 1,1-Dichloroethane	63	4.787	4.781	0.006	96	83725	10.0	10.5	
37 Isopropyl ether	45	4.860	4.848	0.012	94	158870	10.0	10.1	
38 2-Chloro-1,3-butadiene	53	4.903	4.897	0.006	91	76220	10.0	10.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.402	5.396	0.006	98	151904	10.0	10.2	
40 2-Butanone (MEK)	43	5.621	5.609	0.012	98	100731	20.0	20.1	
41 cis-1,2-Dichloroethene	96	5.633	5.633	0.000	82	56591	10.0	10.5	
42 2,2-Dichloropropane	77	5.651	5.651	0.000	87	80896	10.0	9.99	
43 Propionitrile	54	5.700	5.694	0.006	96	83229	50.0	50.1	
46 Methyl acrylate	55	5.754	5.742	0.012	100	77898	10.0	8.94	
47 Methacrylonitrile	67	5.913	5.913	0.000	94	83216	25.0	24.4	
48 Chlorobromomethane	128	5.973	5.967	0.006	94	30011	10.0	10.4	
49 Tetrahydrofuran	71	5.998	5.986	0.012	93	73007	50.0	48.8	
50 Chloroform	83	6.132	6.126	0.006	93	87966	10.0	10.5	
S 51 1,2-Dichloroethene, Total	100				0			21.0	
$ 52 Dibromofluoromethane (Surr)	113	6.345	6.345	0.000	94	249859	50.0	51.4	
53 1,1,1-Trichloroethane	97	6.369	6.363	0.006	97	80687	10.0	10.2	
54 Cyclohexane	56	6.460	6.460	0.000	91	95548	10.0	9.97	
55 Carbon tetrachloride	117	6.576	6.576	0.000	90	70632	10.0	10.3	
56 1,1-Dichloropropene	75	6.576	6.576	0.000	93	66113	10.0	10.3	
57 Isobutyl alcohol	41	6.777	6.771	0.005	94	77449	125.0	123.7	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.807	6.807	0.000	74	58761	50.0	50.2	
59 Benzene	78	6.843	6.844	-0.001	96	197852	10.0	10.2	
60 1,2-Dichloroethane	62	6.916	6.917	-0.001	97	65751	10.0	10.3	
62 Tert-amyl methyl ether	73	7.044	7.044	0.000	98	146105	10.0	10.1	
* 63 Fluorobenzene (IS)	96	7.257	7.257	0.000	99	935989	50.0	50.0	
64 n-Heptane	43	7.288	7.288	0.000	94	68802	10.0	9.94	
65 n-Butanol	56	7.677	7.671	0.006	91	54346	125.0	119.6	
66 Trichloroethene	95	7.744	7.744	0.000	98	48565	10.0	9.96	
68 Ethyl acrylate	55	7.878	7.872	0.006	99	81973	10.0	9.35	
69 Methylcyclohexane	83	8.054	8.054	0.000	91	93879	10.0	10.2	
70 1,2-Dichloropropane	63	8.078	8.078	0.000	98	51161	10.0	10.1	
71 2-ethoxy-2-methyl butane	87	8.103	8.103	0.000	91	69981	10.0	10.0	
73 Methyl methacrylate	69	8.182	8.182	0.000	92	46489	10.0	9.52	
74 Dibromomethane	93	8.194	8.188	0.006	92	33895	10.0	9.96	
72 1,4-Dioxane	88	8.200	8.200	0.000	84	14422	125.0	113.2	
76 Dichlorobromomethane	83	8.431	8.431	0.000	99	61840	10.0	9.84	
77 2-Nitropropane	41	8.705	8.705	0.000	98	122818	50.0	48.4	
78 2-Chloroethyl vinyl ether	63	8.814	8.809	0.005	93	33684	10.0	9.62	
79 cis-1,3-Dichloropropene	75	9.003	9.003	0.000	96	70756	10.0	9.62	
80 4-Methyl-2-pentanone (MIBK)	43	9.198	9.192	0.006	97	206804	20.0	19.9	
$ 82 Toluene-d8 (Surr)	98	9.338	9.332	0.006	93	917390	50.0	50.7	
86 Toluene	92	9.417	9.417	0.000	98	116947	10.0	10.1	
87 trans-1,3-Dichloropropene	75	9.697	9.697	0.000	93	64520	10.0	9.90	
89 Ethyl methacrylate	69	9.776	9.776	0.000	90	84891	10.0	10.0	
90 1,1,2-Trichloroethane	97	9.910	9.910	0.000	91	43766	10.0	9.90	
105 Tetrachloroethene	166	10.001	10.001	0.000	96	50851	10.0	10.1	
S 106 1,3-Dichloropropene, Total	100				0			19.5	
107 1,3-Dichloropropane	76	10.080	10.080	0.000	92	68473	10.0	9.92	
109 2-Hexanone	43	10.147	10.141	0.006	97	142837	20.0	19.8	
119 Chlorodibromomethane	129	10.305	10.299	0.006	82	50914	10.0	9.96	
123 Ethylene Dibromide	107	10.408	10.408	0.000	99	47644	10.0	10.1	
* 125 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	85	664206	50.0	50.0	
126 1-Chlorohexane	91	10.883	10.883	0.000	98	64828	10.0	10.1	
130 Chlorobenzene	112	10.889	10.889	0.000	95	129672	10.0	10.1	
132 1,1,1,2-Tetrachloroethane	131	10.974	10.980	-0.006	97	53949	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
133 Ethylbenzene	91	10.986	10.986	0.000	98	240413	10.0	10.4	
135 m-Xylene & p-Xylene	106	11.102	11.102	0.000	99	189826	20.0	20.6	
S 136 Xylenes, Total	106				0			30.8	
137 n-Butyl acrylate	55	11.400	11.400	0.000	96	122870	10.0	10.1	
138 o-Xylene	106	11.437	11.437	0.000	97	98927	10.0	10.2	
139 Styrene	104	11.455	11.455	0.000	95	153157	10.0	10.3	
140 Bromoform	173	11.607	11.607	0.000	97	41147	10.0	10.1	
141 Isopropylbenzene	105	11.747	11.747	0.000	95	231841	10.0	10.2	
144 Cyclohexanone	55	11.814	11.820	-0.006	93	126479	250.0	241.8	
$ 145 4-Bromofluorobenzene (Surr)	95	11.887	11.893	-0.006	91	332768	50.0	50.3	
146 1,1,2,2-Tetrachloroethane	83	11.996	11.996	0.000	95	94657	10.0	10.3	
147 Bromobenzene	156	12.002	12.008	-0.006	93	61436	10.0	10.1	
148 trans-1,4-Dichloro-2-butene	53	12.027	12.021	0.006	88	59312	25.0	24.7	
149 1,2,3-Trichloropropane	110	12.039	12.039	0.000	82	26842	10.0	10.2	
150 N-Propylbenzene	91	12.081	12.081	0.000	99	301885	10.0	10.3	
151 2-Chlorotoluene	126	12.154	12.154	0.000	97	63263	10.0	10.3	
152 1,3,5-Trimethylbenzene	105	12.221	12.221	0.000	94	220905	10.0	10.1	
153 4-Chlorotoluene	126	12.252	12.252	0.000	97	59889	10.0	10.1	
155 tert-Butylbenzene	134	12.465	12.465	0.000	93	38759	10.0	9.76	
157 1,2,4-Trimethylbenzene	105	12.507	12.507	0.000	97	231831	10.0	10.2	
158 sec-Butylbenzene	105	12.629	12.629	0.000	94	278562	10.0	10.1	
159 1,3-Dichlorobenzene	146	12.726	12.726	0.000	98	124743	10.0	10.2	
160 4-Isopropyltoluene	119	12.744	12.745	-0.001	97	248675	10.0	10.2	
* 161 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	94	410095	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.799	12.799	0.000	96	126816	10.0	10.3	
165 1,2,3-Trimethylbenzene	105	12.811	12.812	-0.001	98	243353	10.0	10.0	
166 Benzyl chloride	91	12.878	12.878	0.000	98	187949	10.0	9.94	
167 1,3-Diethylbenzene	119	12.945	12.945	0.000	95	147306	10.0	10.3	
168 p-Diethylbenzene	119	13.018	13.018	0.000	94	159919	10.0	10.4	
169 n-Butylbenzene	92	13.036	13.037	-0.001	97	126754	10.0	10.4	
170 1,2-Dichlorobenzene	146	13.061	13.061	0.000	99	131241	10.0	10.2	
171 o-diethylbenzene	119	13.091	13.091	0.000	94	122907	10.0	10.0	
172 1,2-Dibromo-3-Chloropropane	75	13.602	13.602	0.000	97	27898	10.0	10.1	
174 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	104041	10.0	10.3	
175 1,2,4-Trichlorobenzene	180	14.156	14.162	-0.006	94	100090	10.0	10.4	
176 2-Ethylhexyl acrylate	55	14.229	14.229	0.000	85	77810	10.0	9.03	
177 Hexachlorobutadiene	225	14.247	14.247	0.000	96	37048	10.0	10.1	
178 Naphthalene	128	14.338	14.338	0.000	97	357281	10.0	10.4	
179 1,2,3-Trichlorobenzene	180	14.478	14.478	0.000	96	94862	10.0	10.2	
180 2-Methylnaphthalene	142	15.074	15.075	-0.001	92	132384	10.0	9.39	
S 215 Total Diethylbenzene	1				0			30.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00227	Amount Added:	2.00	Units: uL	
MSV_CCV_VOC#3_00228	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00219	Amount Added:	2.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added:	8.00	Units: uL	
MSV_CCV_GASES_01047	Amount Added:	1.00	Units: uL	
MSV_CCV_CYC_00011	Amount Added:	8.00	Units: uL	
MSV_CCV_OH_Sp_00020	Amount Added:	2.00	Units: uL	
MSV_HP04_ISSS_00004	Amount Added:	1.00	Units: uL	Run Reagent

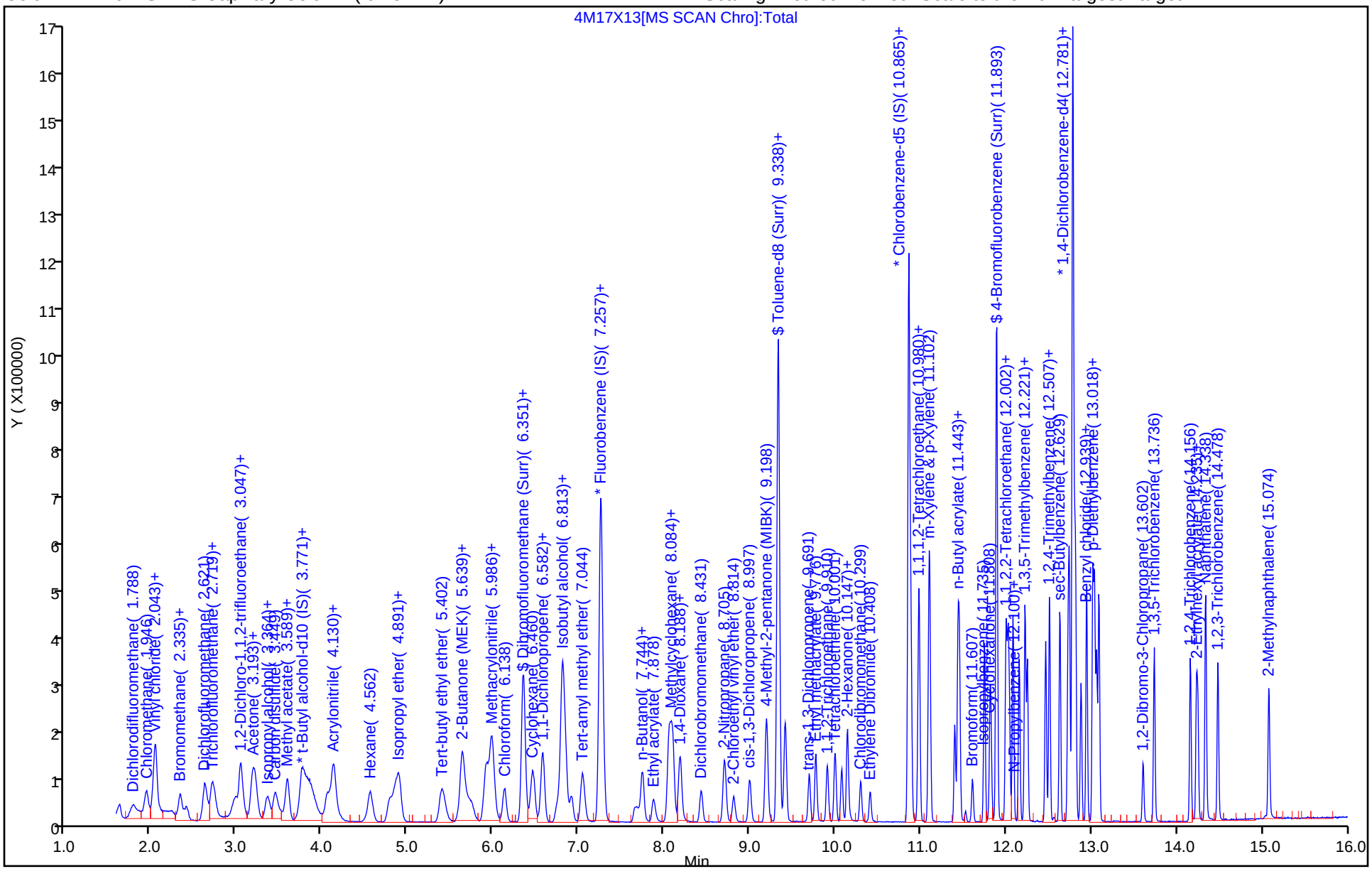
Report Date: 18-Mar-2025 12:31:59 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X13.D

Injection Date:	17-Mar-2025 18:50:30	Instrument ID:	23297	Operator ID:	mec29284
Lims ID:	IC v10			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

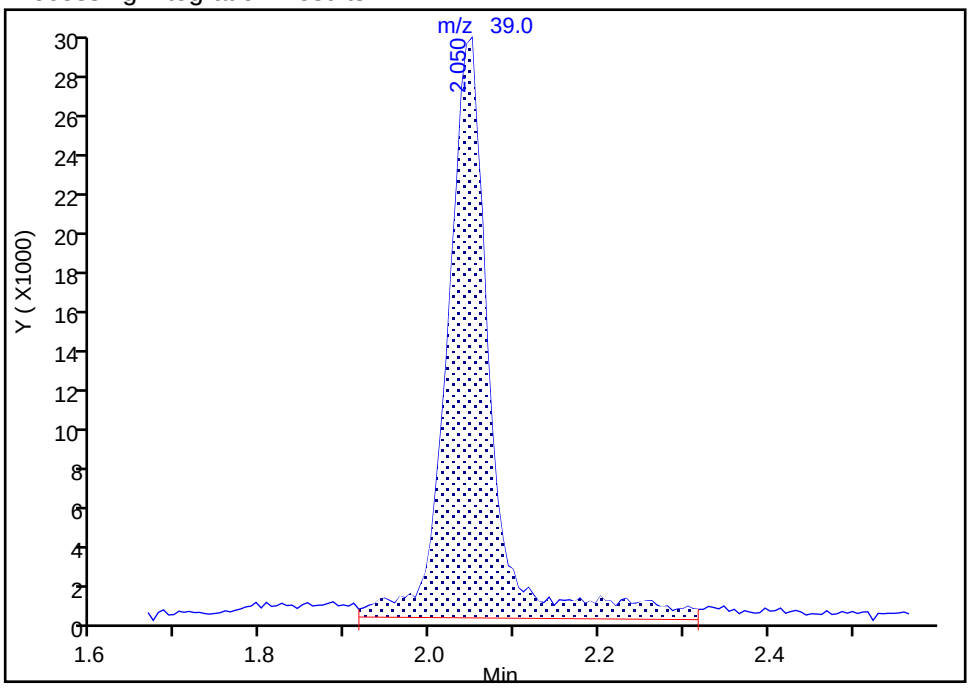
Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X13.D
Injection Date: 17-Mar-2025 18:50:30 Instrument ID: 23297
Lims ID: IC v10
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

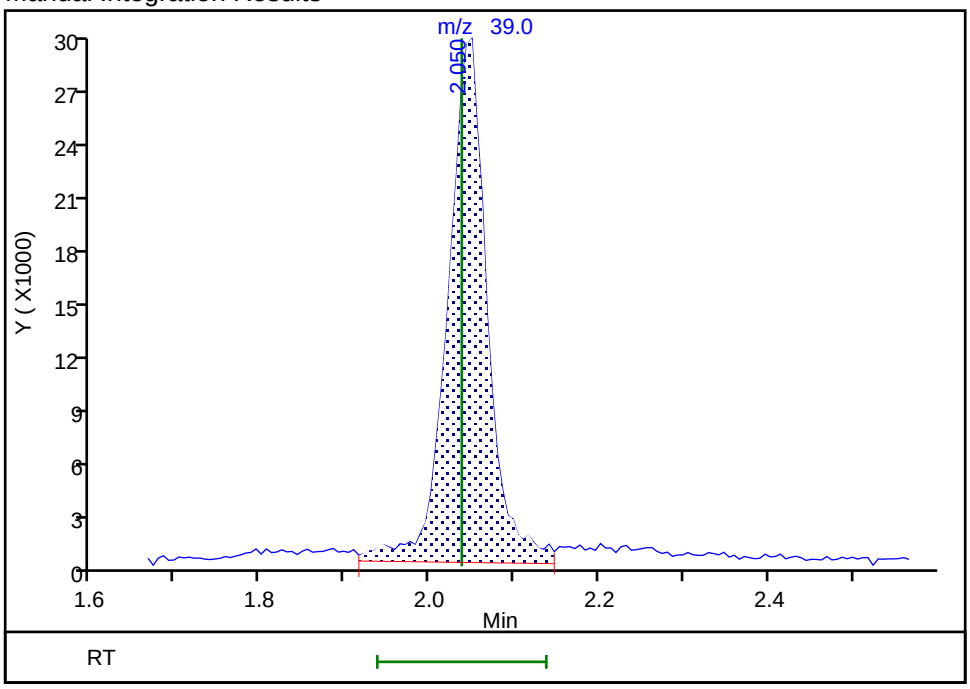
Processing Integration Results

RT: 2.05
Area: 105007
Amount: 11.289030
Amount Units: ug/l



Manual Integration Results

RT: 2.05
Area: 96590
Amount: 10.013745
Amount Units: ug/l



Reviewer: UKEK, 18-Mar-2025 12:04:16 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X14.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Mar-2025 19:13:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141042-015
Misc. Info.: IC v20
Operator ID: mec29284 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub95

Method: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2025 12:32:04 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: TQ4J Date: 18-Mar-2025 07:03:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.770	1.770	0.000	99	152086	20.0	20.3	
4 Chloromethane	50	1.934	1.934	0.000	99	169744	20.0	19.4	
5 Vinyl chloride	62	2.037	2.038	-0.001	74	161823	20.0	20.2	
6 Butadiene	39	2.037	2.038	-0.001	93	182305	20.0	18.6	M
8 Bromomethane	94	2.329	2.330	-0.001	90	120407	20.0	19.5	
9 Chloroethane	64	2.402	2.409	-0.007	100	83369	20.0	19.6	
10 Dichlorofluoromethane	67	2.615	2.622	-0.007	97	246290	20.0	19.5	
11 Trichlorofluoromethane	101	2.688	2.682	0.006	96	189468	20.0	20.8	
12 Pentane	43	2.707	2.713	-0.006	96	183894	20.0	20.1	
13 Ethanol	45	2.919	2.877	0.042	90	181066	1000.0	1116.9	a
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.974	2.980	-0.006	91	123721	20.0	19.5	
16 Acrolein	56	3.035	3.035	0.000	99	397177	195.2	177.9	
17 1,1-Dichloroethene	96	3.175	3.175	0.000	98	94206	20.0	20.0	
18 Acetone	58	3.181	3.187	-0.006	93	42349	40.0	38.2	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.205	3.212	-0.007	93	113141	20.0	20.5	
21 Iodomethane	142	3.351	3.352	-0.001	98	207133	20.0	20.4	
20 Isopropyl alcohol	45	3.400	3.370	0.030	95	186535	100.0	104.4	M
22 Carbon disulfide	76	3.443	3.449	-0.006	99	375860	20.0	20.0	
24 Methyl acetate	43	3.558	3.558	0.000	97	137936	20.0	20.7	
25 3-Chloro-1-propene	41	3.583	3.589	-0.006	90	153683	20.0	19.7	
26 Methylene Chloride	84	3.759	3.759	0.000	94	111057	20.0	19.9	
* 27 t-Butyl alcohol-d10 (IS)	65	3.826	3.832	-0.006	96	517817	250.0	250.0	
29 2-Methyl-2-propanol	59	3.923	3.936	-0.013	99	232796	100.0	103.7	
30 Acrylonitrile	53	4.039	4.045	-0.006	99	185906	50.0	52.4	
31 Methyl tert-butyl ether	73	4.118	4.124	-0.006	97	317303	20.0	20.1	
32 trans-1,2-Dichloroethene	96	4.124	4.124	0.000	99	94350	20.0	20.1	
34 Hexane	57	4.550	4.550	0.000	94	137445	20.0	19.2	
35 1,1-Dichloroethane	63	4.775	4.781	-0.006	96	165560	20.0	20.5	
37 Isopropyl ether	45	4.848	4.848	0.000	94	322668	20.0	20.2	
38 2-Chloro-1,3-butadiene	53	4.891	4.897	-0.006	91	149449	20.0	20.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.389	5.396	-0.007	98	312532	20.0	20.6	
40 2-Butanone (MEK)	43	5.608	5.609	-0.001	100	203389	40.0	39.9	
41 cis-1,2-Dichloroethene	96	5.627	5.633	-0.006	82	113191	20.0	20.6	
42 2,2-Dichloropropane	77	5.651	5.651	0.000	90	167025	20.0	20.3	
43 Propionitrile	54	5.700	5.694	0.006	97	176258	100.0	95.8	
46 Methyl acrylate	55	5.748	5.742	0.006	100	168404	20.0	19.0	
47 Methacrylonitrile	67	5.913	5.913	0.000	93	172526	50.0	49.7	
48 Chlorobromomethane	128	5.967	5.967	0.000	92	59933	20.0	20.4	
49 Tetrahydrofuran	71	5.979	5.986	-0.007	91	153858	100.0	92.8	
50 Chloroform	83	6.126	6.126	0.000	93	172024	20.0	20.1	
S 51 1,2-Dichloroethene, Total	100				0			40.7	
$ 52 Dibromofluoromethane (Surr)	113	6.345	6.345	-0.001	93	250689	50.0	50.7	
53 1,1,1-Trichloroethane	97	6.357	6.363	-0.006	98	163302	20.0	20.2	
54 Cyclohexane	56	6.454	6.460	-0.006	92	192300	20.0	19.7	
55 Carbon tetrachloride	117	6.570	6.576	-0.006	96	141788	20.0	20.2	
56 1,1-Dichloropropene	75	6.576	6.576	0.000	95	132948	20.0	20.4	
57 Isobutyl alcohol	41	6.764	6.771	-0.007	92	168733	250.0	243.2	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.801	6.807	-0.006	82	58810	50.0	49.4	
59 Benzene	78	6.837	6.844	-0.007	97	402379	20.0	20.4	
60 1,2-Dichloroethane	62	6.910	6.917	-0.007	97	131101	20.0	20.2	
62 Tert-amyl methyl ether	73	7.044	7.044	0.000	98	298693	20.0	20.2	
* 63 Fluorobenzene (IS)	96	7.251	7.257	-0.006	99	952432	50.0	50.0	
64 n-Heptane	43	7.281	7.288	-0.007	94	128119	20.0	18.2	
65 n-Butanol	56	7.659	7.671	-0.012	90	128599	250.0	255.3	
66 Trichloroethene	95	7.738	7.744	-0.006	98	99131	20.0	20.0	
68 Ethyl acrylate	55	7.871	7.872	-0.001	99	172420	20.0	19.3	
69 Methylcyclohexane	83	8.054	8.054	0.000	92	184524	20.0	19.6	
70 1,2-Dichloropropane	63	8.072	8.078	-0.006	90	101344	20.0	19.6	
71 2-ethoxy-2-methyl butane	87	8.103	8.103	0.000	91	144604	20.0	20.4	
73 Methyl methacrylate	69	8.176	8.182	-0.006	94	99302	20.0	20.0	
74 Dibromomethane	93	8.182	8.188	-0.006	96	69779	20.0	20.2	
72 1,4-Dioxane	88	8.194	8.200	-0.006	78	41330	250.0	292.8	
76 Dichlorobromomethane	83	8.431	8.431	0.000	99	127280	20.0	19.9	
77 2-Nitropropane	41	8.705	8.705	0.000	99	259629	100.0	92.2	
78 2-Chloroethyl vinyl ether	63	8.808	8.809	-0.001	91	73151	20.0	20.5	
79 cis-1,3-Dichloropropene	75	8.997	9.003	-0.006	96	149456	20.0	20.0	
80 4-Methyl-2-pentanone (MIBK)	43	9.192	9.192	0.000	98	430002	40.0	40.6	
$ 82 Toluene-d8 (Surr)	98	9.332	9.332	0.000	93	935943	50.0	50.0	
86 Toluene	92	9.417	9.417	0.000	98	239651	20.0	20.0	
87 trans-1,3-Dichloropropene	75	9.697	9.697	0.000	93	136075	20.0	20.2	
89 Ethyl methacrylate	69	9.770	9.776	-0.006	90	173291	20.0	19.8	
90 1,1,2-Trichloroethane	97	9.909	9.910	-0.001	90	92283	20.0	20.2	
105 Tetrachloroethene	166	10.001	10.001	0.000	97	105340	20.0	20.2	
S 106 1,3-Dichloropropene, Total	100				0			40.2	
107 1,3-Dichloropropane	76	10.074	10.080	-0.006	92	144767	20.0	20.3	
109 2-Hexanone	43	10.141	10.141	0.000	97	314088	40.0	42.1	
119 Chlorodibromomethane	129	10.299	10.299	0.000	89	106675	20.0	20.2	
123 Ethylene Dibromide	107	10.408	10.408	0.000	98	98593	20.0	20.2	
* 125 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	86	686499	50.0	50.0	
126 1-Chlorohexane	91	10.883	10.883	0.000	98	124773	20.0	18.8	
130 Chlorobenzene	112	10.889	10.889	0.000	96	268322	20.0	20.2	
132 1,1,1,2-Tetrachloroethane	131	10.974	10.980	-0.006	97	111243	20.0	20.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
133 Ethylbenzene	91	10.986	10.986	0.000	98	484293	20.0	20.2	
135 m-Xylene & p-Xylene	106	11.102	11.102	0.000	100	385350	40.0	40.5	
S 136 Xylenes, Total	106				0			60.9	
137 n-Butyl acrylate	55	11.400	11.400	0.000	97	257463	20.0	20.4	
138 o-Xylene	106	11.436	11.437	-0.001	96	204861	20.0	20.4	
139 Styrene	104	11.455	11.455	0.000	95	308828	20.0	20.1	
140 Bromoform	173	11.607	11.607	0.000	97	84838	20.0	20.2	
141 Isopropylbenzene	105	11.747	11.747	0.000	96	477636	20.0	20.4	
144 Cyclohexanone	55	11.820	11.820	0.000	93	319110	500.0	550.5	
$ 145 4-Bromofluorobenzene (Surr)	95	11.893	11.893	0.000	92	340187	50.0	49.7	
146 1,1,2,2-Tetrachloroethane	83	11.996	11.996	0.000	94	191201	20.0	20.3	
147 Bromobenzene	156	12.002	12.008	-0.006	93	125452	20.0	20.3	
148 trans-1,4-Dichloro-2-butene	53	12.020	12.021	-0.001	90	125872	50.0	51.2	
149 1,2,3-Trichloropropane	110	12.039	12.039	0.000	84	54828	20.0	20.4	
150 N-Propylbenzene	91	12.081	12.081	0.000	99	602891	20.0	20.2	
151 2-Chlorotoluene	126	12.154	12.154	0.000	97	125986	20.0	20.1	
152 1,3,5-Trimethylbenzene	105	12.221	12.221	0.000	93	455826	20.0	20.4	
153 4-Chlorotoluene	126	12.252	12.252	0.000	97	122443	20.0	20.3	
155 tert-Butylbenzene	134	12.465	12.465	0.000	92	82237	20.0	20.3	
157 1,2,4-Trimethylbenzene	105	12.507	12.507	0.000	98	470142	20.0	20.2	
158 sec-Butylbenzene	105	12.629	12.629	0.000	94	569900	20.0	20.3	
159 1,3-Dichlorobenzene	146	12.726	12.726	0.000	98	253241	20.0	20.3	
160 4-Isopropyltoluene	119	12.744	12.745	-0.001	97	502265	20.0	20.2	
* 161 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	94	418877	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.799	12.799	0.000	95	254681	20.0	20.2	
165 1,2,3-Trimethylbenzene	105	12.811	12.812	-0.001	99	508012	20.0	20.5	
166 Benzyl chloride	91	12.878	12.878	0.000	98	394405	20.0	20.4	
167 1,3-Diethylbenzene	119	12.945	12.945	0.000	95	296227	20.0	20.2	
168 p-Diethylbenzene	119	13.018	13.018	0.000	94	318726	20.0	20.2	
169 n-Butylbenzene	92	13.036	13.037	-0.001	97	250637	20.0	20.2	
170 1,2-Dichlorobenzene	146	13.061	13.061	0.000	99	266111	20.0	20.3	
171 o-diethylbenzene	119	13.085	13.091	-0.006	95	254824	20.0	20.3	
172 1,2-Dibromo-3-Chloropropane	75	13.602	13.602	0.000	88	59099	20.0	20.9	
174 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	211233	20.0	20.6	
175 1,2,4-Trichlorobenzene	180	14.156	14.162	-0.006	95	208243	20.0	21.1	
176 2-Ethylhexyl acrylate	55	14.229	14.229	0.000	81	181015	20.0	20.6	
177 Hexachlorobutadiene	225	14.247	14.247	0.000	96	75525	20.0	20.1	
178 Naphthalene	128	14.338	14.338	0.000	97	748093	20.0	21.3	
179 1,2,3-Trichlorobenzene	180	14.478	14.478	0.000	97	198195	20.0	20.8	
180 2-Methylnaphthalene	142	15.074	15.075	-0.001	92	319922	20.0	22.2	
S 215 Total Diethylbenzene	1				0			60.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00227	Amount Added:	4.00	Units: uL	
MSV_CCV_VOC#3_00228	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00219	Amount Added:	4.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added:	16.00	Units: uL	
MSV_CCV_GASES_01047	Amount Added:	2.00	Units: uL	
MSV_CCV_CYC_00011	Amount Added:	16.00	Units: uL	
MSV_CCV_OH_Sp_00020	Amount Added:	4.00	Units: uL	
MSV_HP04_ISSS_00004	Amount Added:	1.00	Units: uL	Run Reagent

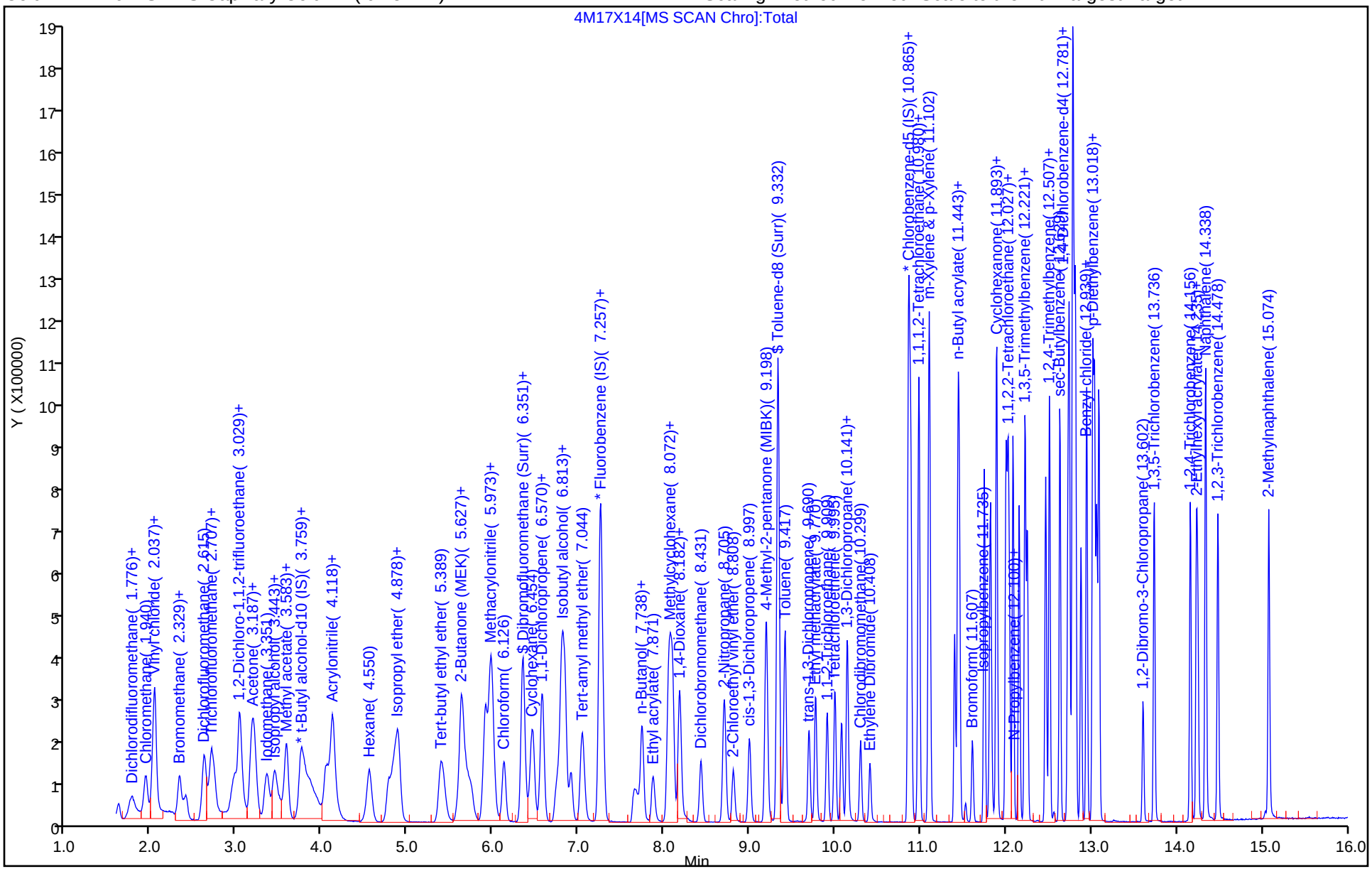
Report Date: 18-Mar-2025 12:32:05 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X14.D

Injection Date:	17-Mar-2025 19:13:30	Instrument ID:	23297	Operator ID:	mec29284
Lims ID:	IC v20			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

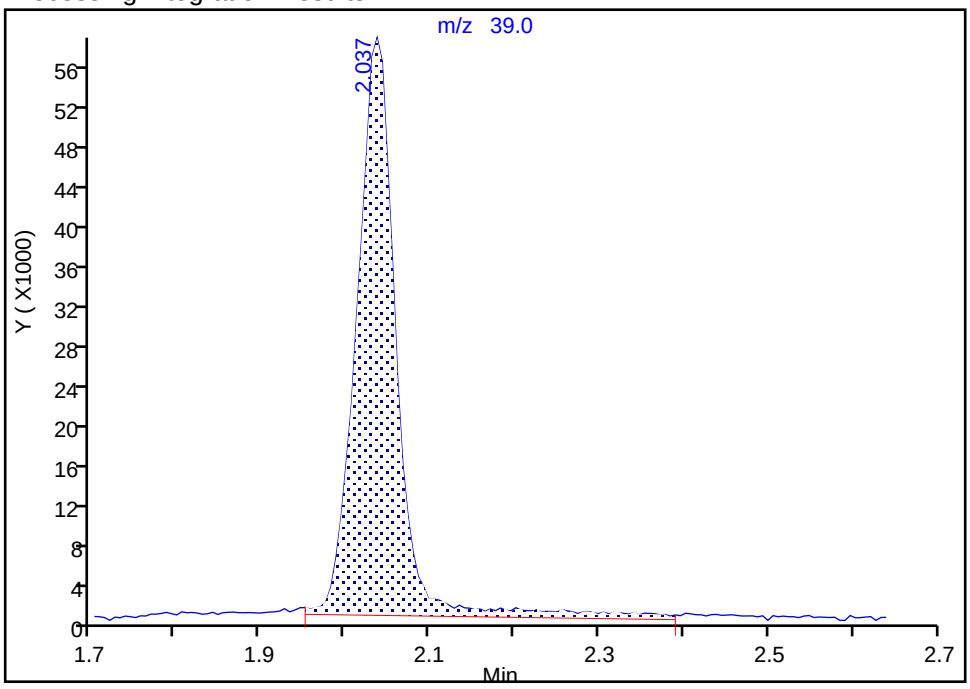
Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X14.D
Injection Date: 17-Mar-2025 19:13:30 Instrument ID: 23297
Lims ID: IC v20
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

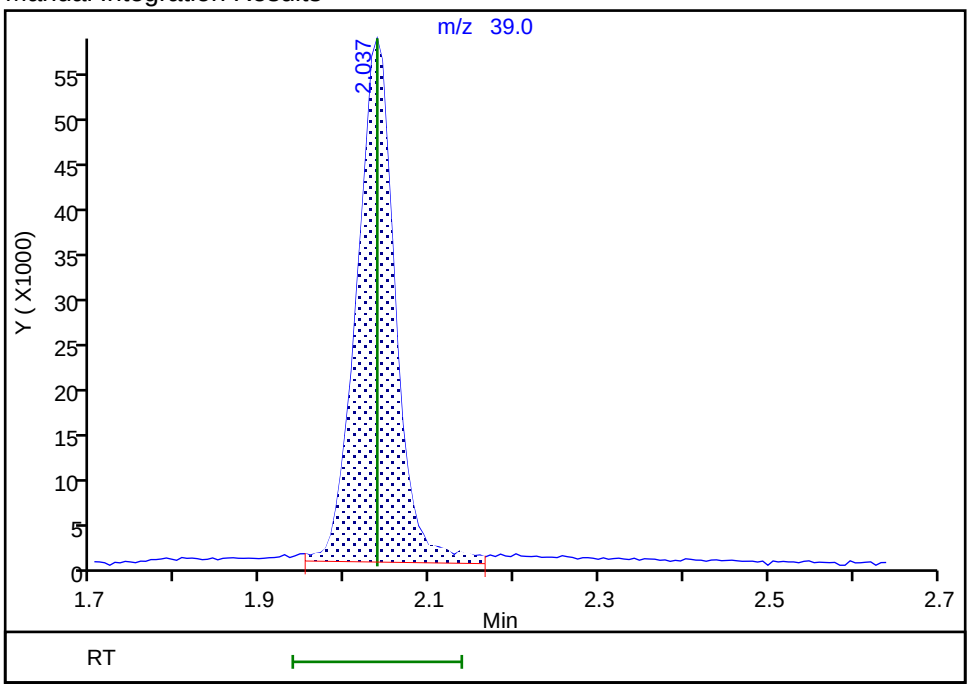
Processing Integration Results

RT: 2.04
Area: 191614
Amount: 20.983924
Amount Units: ug/l



Manual Integration Results

RT: 2.04
Area: 182305
Amount: 18.573754
Amount Units: ug/l



Reviewer: UKEK, 18-Mar-2025 12:04:34 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

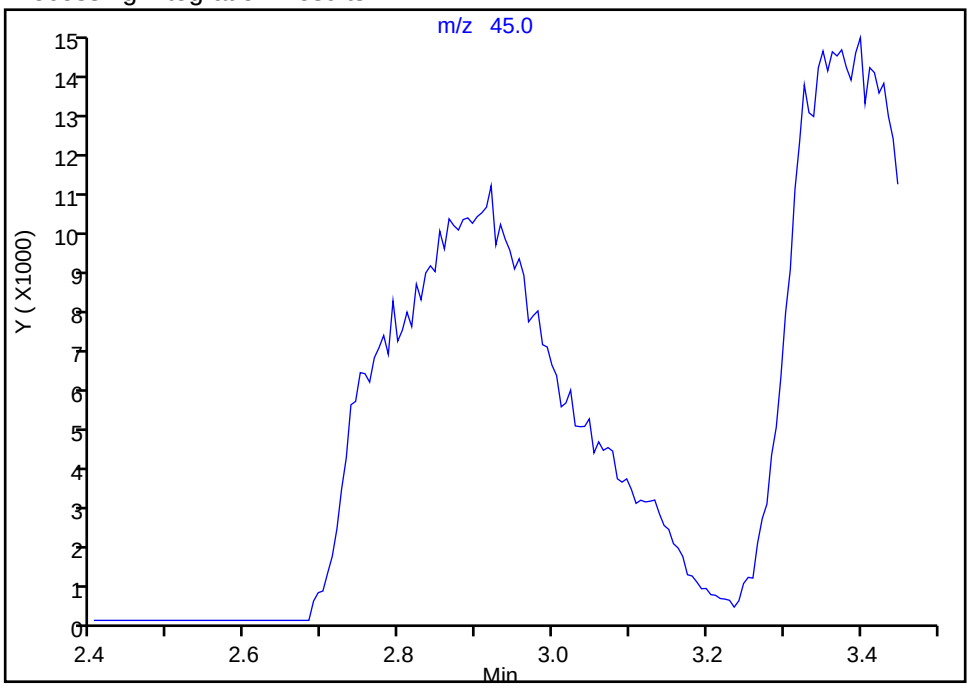
Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X14.D
Injection Date: 17-Mar-2025 19:13:30 Instrument ID: 23297
Lims ID: IC v20
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

13 Ethanol, CAS: 64-17-5

Signal: 1

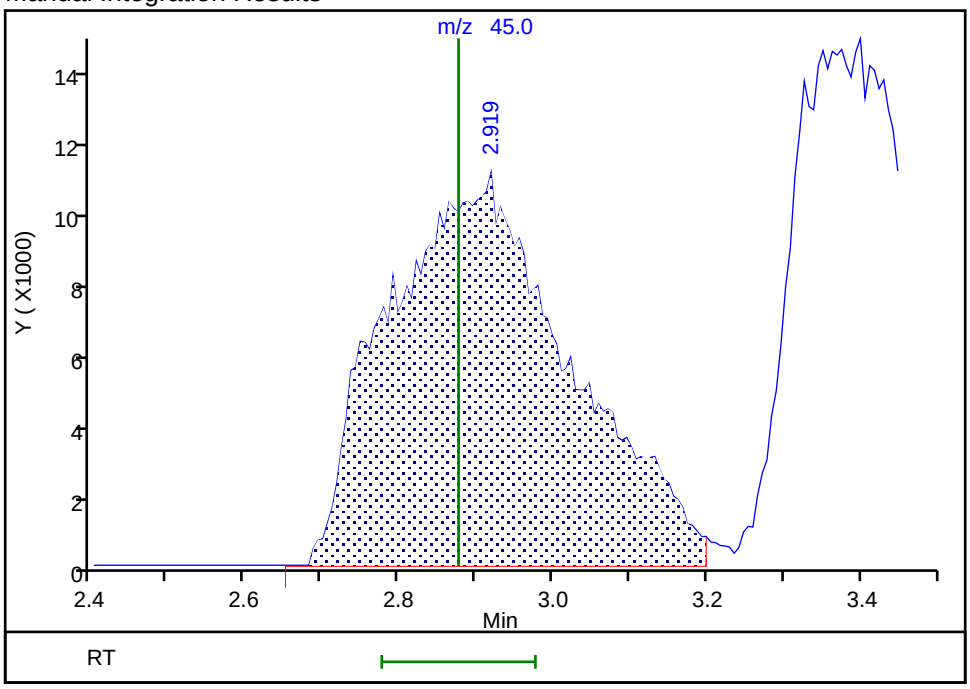
Not Detected
Expected RT: 2.88

Processing Integration Results



Manual Integration Results

RT: 2.92
Area: 181066
Amount: 1116.8952
Amount Units: ug/l



Reviewer: TQ4J, 18-Mar-2025 07:02:58 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

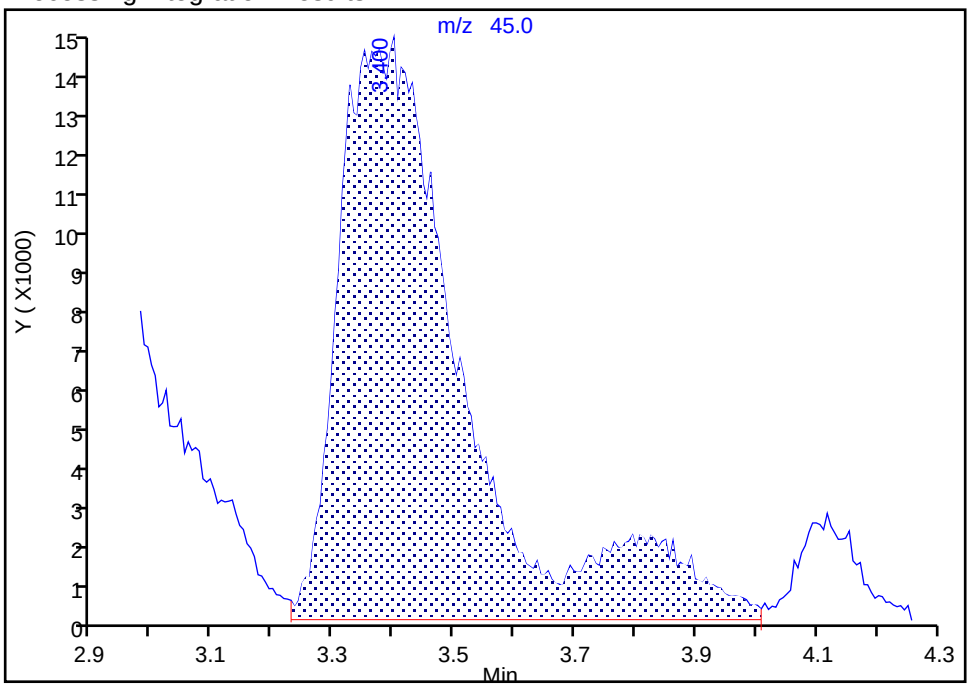
Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X14.D
Injection Date: 17-Mar-2025 19:13:30 Instrument ID: 23297
Lims ID: IC v20
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

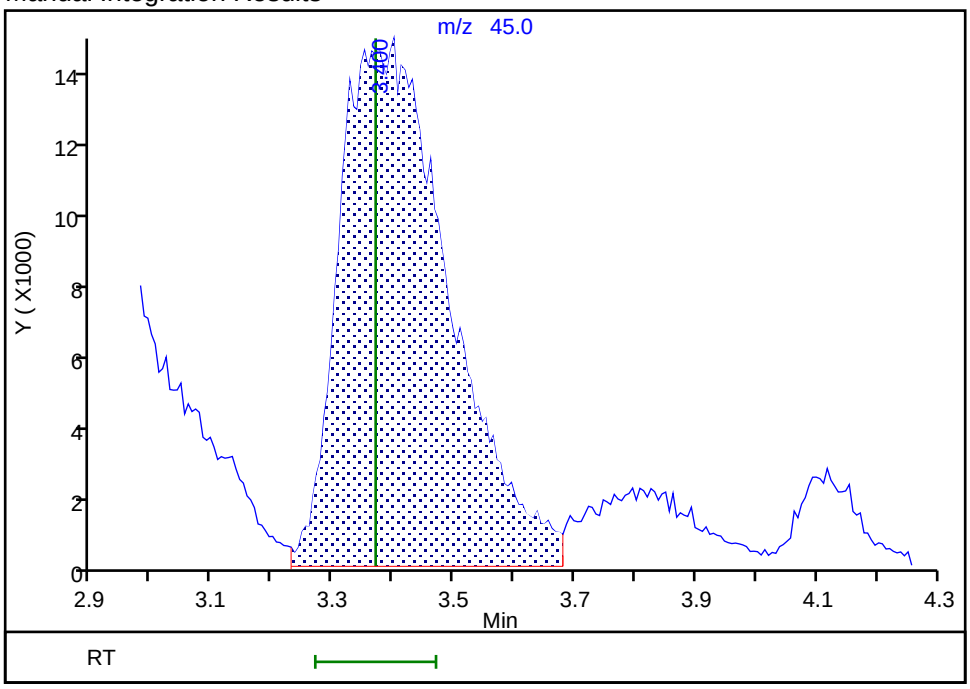
Processing Integration Results

RT: 3.40
Area: 213215
Amount: 113.2065
Amount Units: ug/l



Manual Integration Results

RT: 3.40
Area: 186535
Amount: 104.3648
Amount Units: ug/l



Reviewer: UKEK, 18-Mar-2025 11:48:58 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X15.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 17-Mar-2025 19:36:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141042-016
Misc. Info.: ICIS v50
Operator ID: mec29284 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub95

Method: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2025 12:32:12 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: TQ4J Date: 18-Mar-2025 07:06:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.770	1.770	0.000	100	372735	50.0	49.7	
4 Chloromethane	50	1.934	1.934	0.000	99	429048	50.0	48.8	
5 Vinyl chloride	62	2.038	2.038	0.000	98	407808	50.0	50.8	
6 Butadiene	39	2.038	2.038	0.000	93	440428	50.0	44.8	M
8 Bromomethane	94	2.330	2.330	0.000	90	301321	50.0	48.6	
9 Chloroethane	64	2.409	2.409	0.000	100	216366	50.0	50.7	
10 Dichlorofluoromethane	67	2.622	2.622	0.000	97	638487	50.0	50.5	
11 Trichlorofluoromethane	101	2.682	2.682	0.000	99	482774	50.0	52.8	
12 Pentane	43	2.713	2.713	0.000	97	467893	50.0	50.9	
13 Ethanol	45	2.877	2.877	0.000	95	177729	1250.0	1173.5	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.980	2.980	0.000	92	315116	50.0	49.7	
16 Acrolein	56	3.035	3.035	0.000	99	1051697	487.9	504.2	
17 1,1-Dichloroethene	96	3.175	3.175	0.000	98	231623	50.0	49.2	
18 Acetone	58	3.187	3.187	0.000	100	106759	100.0	103.0	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.212	3.212	0.000	92	282812	50.0	51.1	
21 Iodomethane	142	3.352	3.352	0.000	98	509781	50.0	50.1	
20 Isopropyl alcohol	45	3.370	3.370	0.000	45	360546	250.0	215.9	
22 Carbon disulfide	76	3.449	3.449	0.000	99	929527	50.0	49.2	
24 Methyl acetate	43	3.558	3.558	0.000	98	346104	50.0	51.9	
25 3-Chloro-1-propene	41	3.589	3.589	0.000	91	381370	50.0	48.8	
26 Methylene Chloride	84	3.759	3.759	0.000	91	271780	50.0	48.7	
* 27 t-Butyl alcohol-d10 (IS)	65	3.814	3.814	0.000	89	483744	250.0	250.0	
29 2-Methyl-2-propanol	59	3.936	3.936	0.000	99	521079	250.0	248.4	
30 Acrylonitrile	53	4.045	4.045	0.000	100	443489	125.0	124.7	
31 Methyl tert-butyl ether	73	4.124	4.124	0.000	95	793030	50.0	50.1	
32 trans-1,2-Dichloroethene	96	4.124	4.124	0.000	99	232241	50.0	49.4	
34 Hexane	57	4.550	4.550	0.000	94	337975	50.0	47.1	
35 1,1-Dichloroethane	63	4.781	4.781	0.000	96	405994	50.0	50.1	
37 Isopropyl ether	45	4.848	4.848	0.000	94	805936	50.0	50.4	
38 2-Chloro-1,3-butadiene	53	4.897	4.897	0.000	91	372554	50.0	50.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.396	5.396	0.000	98	769450	50.0	50.6	
40 2-Butanone (MEK)	43	5.609	5.609	0.000	100	542050	100.0	106.1	
41 cis-1,2-Dichloroethene	96	5.633	5.633	0.000	82	275023	50.0	50.0	
42 2,2-Dichloropropane	77	5.651	5.651	0.000	88	407090	50.0	49.3	
43 Propionitrile	54	5.694	5.694	0.000	97	441383	250.0	256.8	
46 Methyl acrylate	55	5.742	5.742	0.000	100	434498	50.0	48.9	
47 Methacrylonitrile	67	5.913	5.913	0.000	93	440276	125.0	126.7	
48 Chlorobromomethane	128	5.967	5.967	0.000	93	147652	50.0	50.2	
49 Tetrahydrofuran	71	5.986	5.986	0.000	92	381030	250.0	245.9	
50 Chloroform	83	6.126	6.126	0.000	93	427517	50.0	49.9	
$ 52 Dibromofluoromethane (Surr)	113	6.345	6.345	0.000	93	247564	50.0	49.9	
53 1,1,1-Trichloroethane	97	6.363	6.363	0.000	98	404724	50.0	50.0	
54 Cyclohexane	56	6.460	6.460	0.000	91	487443	50.0	49.9	
55 Carbon tetrachloride	117	6.576	6.576	0.000	96	357063	50.0	50.9	
56 1,1-Dichloropropene	75	6.576	6.576	0.000	95	338293	50.0	51.7	
57 Isobutyl alcohol	41	6.771	6.771	0.000	95	414743	625.0	639.8	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.807	6.807	0.000	92	59580	50.0	50.0	
59 Benzene	78	6.844	6.844	0.000	97	1006379	50.0	51.0	
60 1,2-Dichloroethane	62	6.917	6.917	0.000	97	333837	50.0	51.4	
62 Tert-amyl methyl ether	73	7.044	7.044	0.000	98	752654	50.0	50.8	
* 63 Fluorobenzene (IS)	96	7.257	7.257	0.000	99	954497	50.0	50.0	
64 n-Heptane	43	7.288	7.288	0.000	94	332103	50.0	47.0	
65 n-Butanol	56	7.671	7.671	0.000	94	310665	625.0	660.3	
66 Trichloroethene	95	7.744	7.744	0.000	98	252838	50.0	50.9	
68 Ethyl acrylate	55	7.872	7.872	0.000	99	445244	50.0	49.8	
69 Methylcyclohexane	83	8.054	8.054	0.000	92	476606	50.0	50.6	
70 1,2-Dichloropropane	63	8.078	8.078	0.000	97	260264	50.0	50.2	
71 2-ethoxy-2-methyl butane	87	8.103	8.103	0.000	92	363614	50.0	51.2	
73 Methyl methacrylate	69	8.182	8.182	0.000	93	248160	50.0	49.8	
74 Dibromomethane	93	8.188	8.188	0.000	95	175151	50.0	50.5	
72 1,4-Dioxane	88	8.200	8.200	0.000	42	79215	625.0	600.7	
76 Dichlorobromomethane	83	8.431	8.431	0.000	100	324724	50.0	50.7	
77 2-Nitropropane	41	8.705	8.705	0.000	98	659591	250.0	250.9	
78 2-Chloroethyl vinyl ether	63	8.809	8.809	0.000	92	184456	50.0	51.6	
79 cis-1,3-Dichloropropene	75	9.003	9.003	0.000	96	385885	50.0	51.4	
80 4-Methyl-2-pentanone (MIBK)	43	9.192	9.192	0.000	97	1120906	100.0	105.6	
$ 82 Toluene-d8 (Surr)	98	9.332	9.332	0.000	94	948510	50.0	49.9	
86 Toluene	92	9.417	9.417	0.000	98	617054	50.0	50.7	
87 trans-1,3-Dichloropropene	75	9.697	9.697	0.000	93	354134	50.0	51.7	
89 Ethyl methacrylate	69	9.776	9.776	0.000	90	450665	50.0	50.8	
90 1,1,2-Trichloroethane	97	9.910	9.910	0.000	90	238342	50.0	51.3	
105 Tetrachloroethene	166	10.001	10.001	0.000	97	269659	50.0	50.8	
107 1,3-Dichloropropane	76	10.080	10.080	0.000	92	371957	50.0	51.3	
109 2-Hexanone	43	10.141	10.141	0.000	97	797306	100.0	105.2	
119 Chlorodibromomethane	129	10.299	10.299	0.000	90	275482	50.0	51.3	
123 Ethylene Dibromide	107	10.408	10.408	0.000	98	258432	50.0	52.1	
* 125 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	85	697596	50.0	50.0	
126 1-Chlorohexane	91	10.883	10.883	0.000	99	325217	50.0	48.3	
130 Chlorobenzene	112	10.889	10.889	0.000	96	688885	50.0	51.0	
132 1,1,1,2-Tetrachloroethane	131	10.980	10.980	0.000	97	285860	50.0	51.4	
133 Ethylbenzene	91	10.986	10.986	0.000	98	1248901	50.0	51.2	
135 m-Xylene & p-Xylene	106	11.102	11.102	0.000	100	988149	100.0	102.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
137 n-Butyl acrylate	55	11.400	11.400	0.000	97	651247	50.0	50.7	
138 o-Xylene	106	11.437	11.437	0.000	96	525596	50.0	51.4	
139 Styrene	104	11.455	11.455	0.000	95	796733	50.0	51.0	
140 Bromoform	173	11.607	11.607	0.000	97	222227	50.0	52.1	
141 Isopropylbenzene	105	11.747	11.747	0.000	96	1238218	50.0	52.0	
144 Cyclohexanone	55	11.820	11.820	0.000	93	326577	624.9	603.0	
$ 145 4-Bromofluorobenzene (Surr)	95	11.893	11.893	0.000	93	341907	50.0	49.2	
146 1,1,2,2-Tetrachloroethane	83	11.996	11.996	0.000	95	487214	50.0	51.8	
147 Bromobenzene	156	12.008	12.008	0.000	90	316806	50.0	51.1	
148 trans-1,4-Dichloro-2-butene	53	12.021	12.021	0.000	89	322818	125.0	131.3	
149 1,2,3-Trichloropropane	110	12.039	12.039	0.000	82	141611	50.0	52.7	
150 N-Propylbenzene	91	12.081	12.081	0.000	99	1561760	50.0	52.3	
151 2-Chlorotoluene	126	12.154	12.154	0.000	97	325386	50.0	51.8	
152 1,3,5-Trimethylbenzene	105	12.221	12.221	0.000	94	1186982	50.0	53.1	
153 4-Chlorotoluene	126	12.252	12.252	0.000	97	307965	50.0	50.9	
155 tert-Butylbenzene	134	12.465	12.465	0.000	93	220431	50.0	54.3	
157 1,2,4-Trimethylbenzene	105	12.507	12.507	0.000	98	1230916	50.0	52.8	
158 sec-Butylbenzene	105	12.629	12.629	0.000	94	1498523	50.0	53.4	
159 1,3-Dichlorobenzene	146	12.726	12.726	0.000	98	634027	50.0	50.9	
160 4-Isopropyltoluene	119	12.745	12.745	0.000	97	1327029	50.0	53.3	
* 161 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	94	419372	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.799	12.799	0.000	95	643871	50.0	51.0	
165 1,2,3-Trimethylbenzene	105	12.812	12.812	0.000	98	1314941	50.0	52.9	
166 Benzyl chloride	91	12.878	12.878	0.000	98	1001768	50.0	51.8	
167 1,3-Diethylbenzene	119	12.945	12.945	0.000	95	773332	50.0	52.7	
168 p-Diethylbenzene	119	13.018	13.018	0.000	94	821553	50.0	52.1	
169 n-Butylbenzene	92	13.037	13.037	0.000	98	650245	50.0	52.4	
170 1,2-Dichlorobenzene	146	13.061	13.061	0.000	99	678594	50.0	51.6	
171 o-diethylbenzene	119	13.091	13.091	0.000	94	670127	50.0	53.3	
172 1,2-Dibromo-3-Chloropropane	75	13.602	13.602	0.000	88	150637	50.0	53.1	
174 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	535443	50.0	52.1	
175 1,2,4-Trichlorobenzene	180	14.162	14.162	0.000	94	513202	50.0	51.9	
176 2-Ethylhexyl acrylate	55	14.229	14.229	0.000	81	466634	50.0	53.0	
177 Hexachlorobutadiene	225	14.247	14.247	0.000	96	200343	50.0	53.2	
178 Naphthalene	128	14.338	14.338	0.000	97	1896323	50.0	53.8	
179 1,2,3-Trichlorobenzene	180	14.478	14.478	0.000	96	504689	50.0	52.9	
180 2-Methylnaphthalene	142	15.075	15.075	0.000	92	816822	50.0	56.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00227	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#3_00228	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00219	Amount Added:	5.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added:	10.00	Units: uL	
MSV_CCV_GASES_01047	Amount Added:	2.50	Units: uL	
MSV_CCV_CYC_00011	Amount Added:	10.00	Units: uL	
MSV_CCV_OH_Sp_00020	Amount Added:	5.00	Units: uL	
MSV_HP04_ISSS_00004	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 18-Mar-2025 12:32:13 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X15.D

Injection Date: 17-Mar-2025 19:36:30 Instrument ID: 23297 Operator ID: mec29284

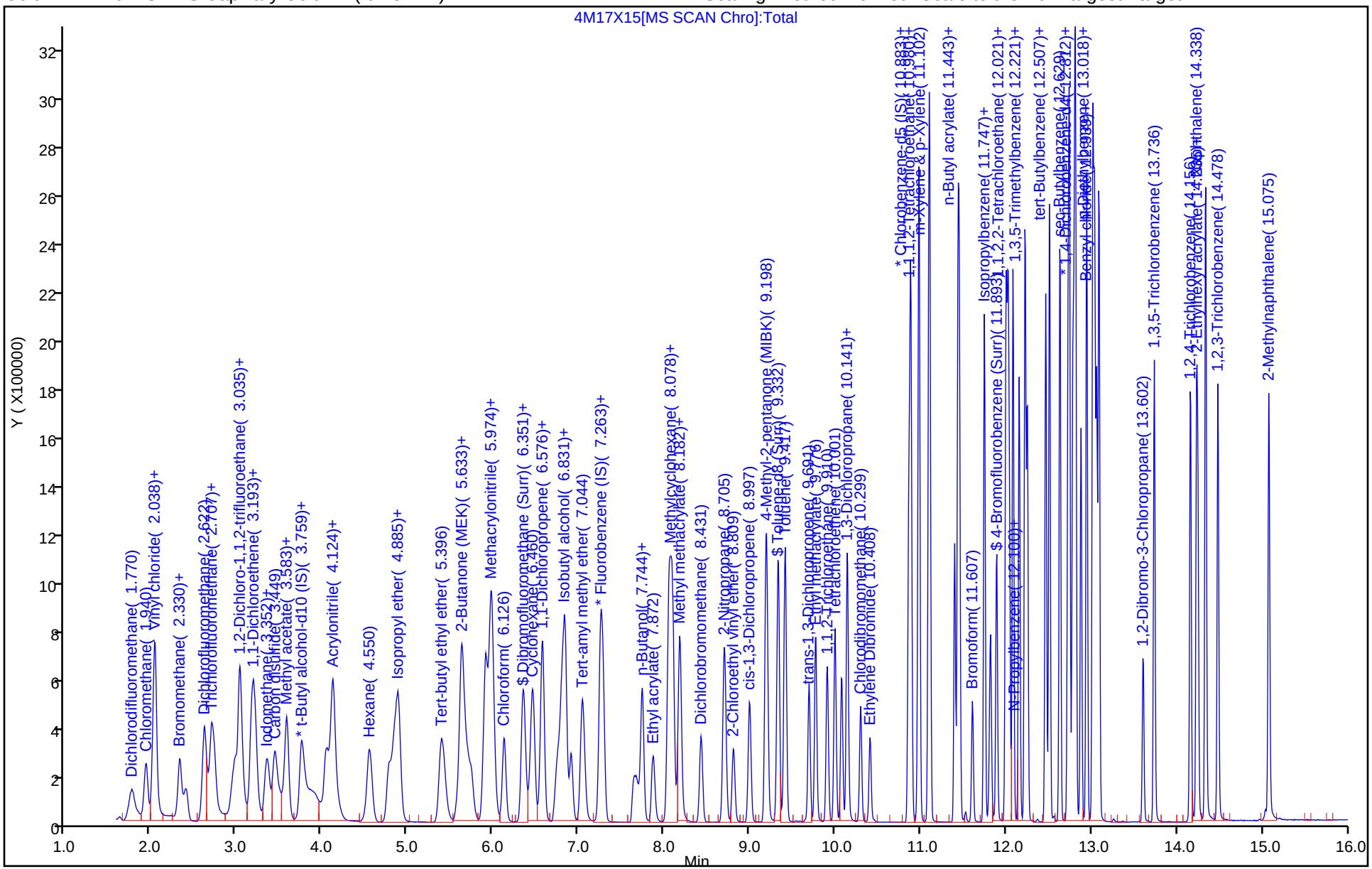
Lims ID: ICIS v50 Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 15

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

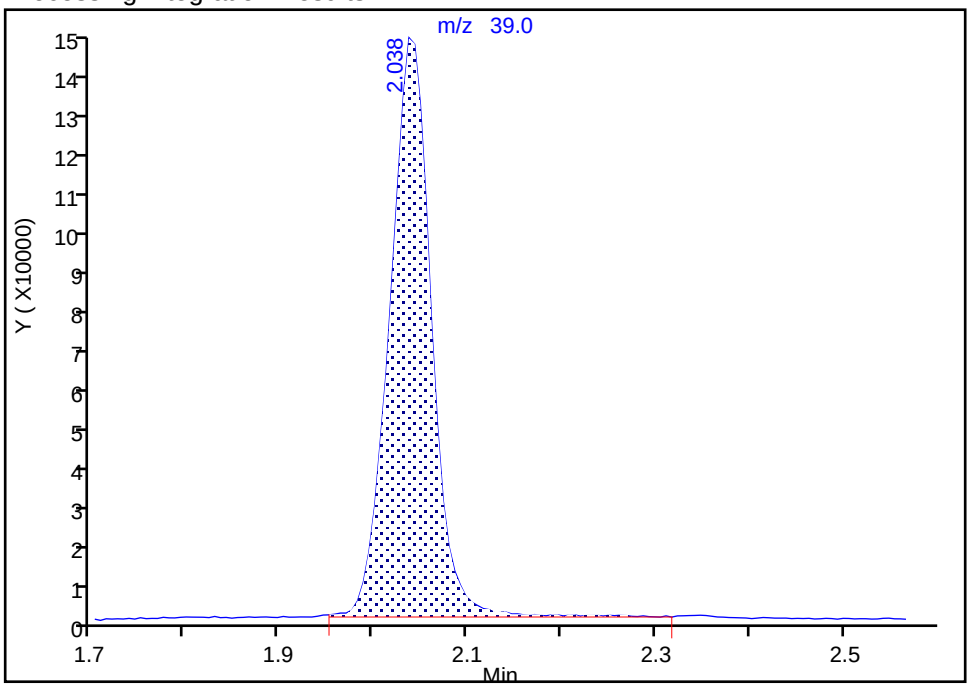
Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X15.D
Injection Date: 17-Mar-2025 19:36:30 Instrument ID: 23297
Lims ID: ICIS v50
Client ID:
Operator ID: mec29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

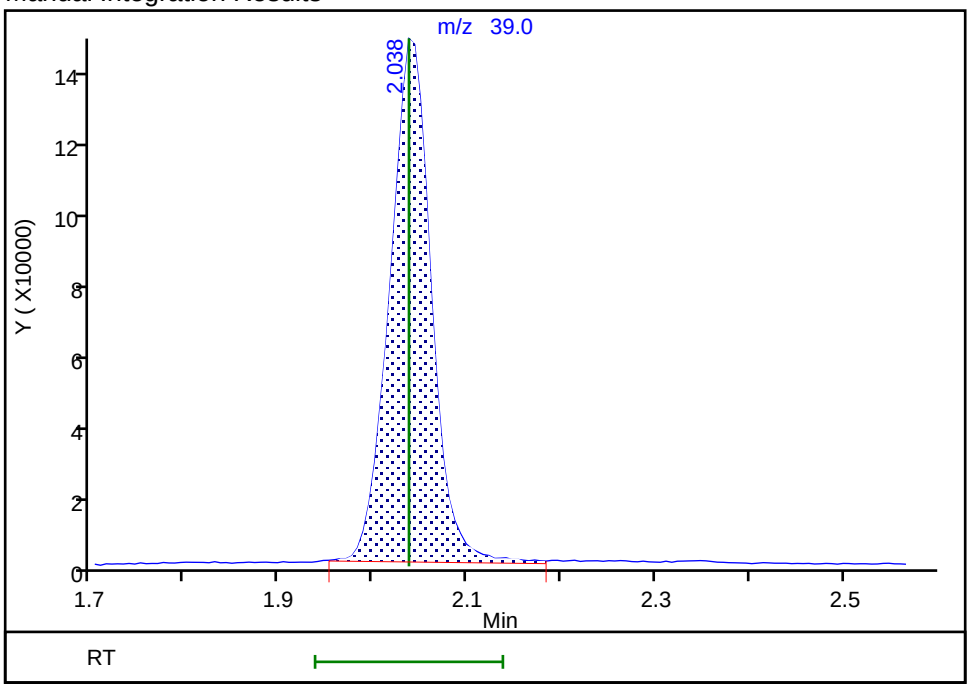
Processing Integration Results

RT: 2.04
Area: 443806
Amount: 49.675117
Amount Units: ug/l



Manual Integration Results

RT: 2.04
Area: 440428
Amount: 44.774985
Amount Units: ug/l



Reviewer: UKEK, 18-Mar-2025 12:04:57 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X16.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 17-Mar-2025 19:58:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141042-017
Misc. Info.: IC v100
Operator ID: mec29284 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub95

Method: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2025 12:32:36 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: TQ4J Date: 18-Mar-2025 07:07:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.758	1.770	-0.012	99	749126	100.0	99.8	
4 Chloromethane	50	1.934	1.934	0.000	99	836991	100.0	95.2	
5 Vinyl chloride	62	2.031	2.038	-0.007	98	803153	100.0	99.9	
6 Butadiene	39	2.037	2.038	-0.001	93	876403	100.0	89.0	
8 Bromomethane	94	2.323	2.330	-0.007	90	583368	100.0	94.1	
9 Chloroethane	64	2.396	2.409	-0.013	100	414074	100.0	96.9	
10 Dichlorofluoromethane	67	2.615	2.622	-0.007	97	1238400	100.0	97.8	
11 Trichlorofluoromethane	101	2.682	2.682	0.000	96	968145	100.0	105.8	
12 Pentane	43	2.700	2.713	-0.013	97	946014	100.0	102.9	
13 Ethanol	45	2.883	2.877	0.006	96	358139	2500.0	2348.4	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.974	2.980	-0.006	92	617396	100.0	97.3	
16 Acrolein	56	3.029	3.035	-0.006	99	1980809	975.8	943.0	
17 1,1-Dichloroethene	96	3.175	3.175	0.000	99	460174	100.0	97.6	
18 Acetone	58	3.181	3.187	-0.006	100	213506	200.0	204.5	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.205	3.212	-0.007	92	565867	100.0	102.1	
21 Iodomethane	142	3.351	3.352	-0.001	98	1006515	100.0	98.9	
20 Isopropyl alcohol	45	3.321	3.370	-0.049	97	715406	500.0	425.5	M
22 Carbon disulfide	76	3.449	3.449	0.000	99	1891657	100.0	100.1	
24 Methyl acetate	43	3.552	3.558	-0.006	98	669269	100.0	100.2	
25 3-Chloro-1-propene	41	3.577	3.589	-0.013	89	730327	100.0	93.5	
26 Methylene Chloride	84	3.753	3.759	-0.006	91	544515	100.0	97.5	
* 27 t-Butyl alcohol-d10 (IS)	65	3.814	3.814	0.000	89	487110	250.0	250.0	
29 2-Methyl-2-propanol	59	3.929	3.936	-0.007	100	1027504	500.0	486.3	
30 Acrylonitrile	53	4.033	4.045	-0.012	98	875826	250.0	246.1	
31 Methyl tert-butyl ether	73	4.112	4.124	-0.012	96	1545414	100.0	97.6	
32 trans-1,2-Dichloroethene	96	4.118	4.124	-0.006	99	445747	100.0	94.7	
34 Hexane	57	4.544	4.550	-0.006	94	662236	100.0	92.2	
35 1,1-Dichloroethane	63	4.769	4.781	-0.012	96	783819	100.0	96.7	
37 Isopropyl ether	45	4.842	4.848	-0.006	94	1571431	100.0	98.2	
38 2-Chloro-1,3-butadiene	53	4.884	4.897	-0.013	91	705460	100.0	95.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.395	5.396	-0.001	98	1511281	100.0	99.3	
40 2-Butanone (MEK)	43	5.602	5.609	-0.007	100	1080884	200.0	211.5	
41 cis-1,2-Dichloroethene	96	5.627	5.633	-0.006	82	526255	100.0	95.6	
42 2,2-Dichloropropane	77	5.645	5.651	-0.006	88	800274	100.0	96.8	
43 Propionitrile	54	5.688	5.694	-0.006	96	877753	500.0	507.1	
46 Methyl acrylate	55	5.736	5.742	-0.006	100	872892	100.0	98.2	
47 Methacrylonitrile	67	5.907	5.913	-0.007	93	859555	250.0	247.1	
48 Chlorobromomethane	128	5.961	5.967	-0.006	93	281588	100.0	95.7	
49 Tetrahydrofuran	71	5.973	5.986	-0.013	92	752648	500.0	482.4	
50 Chloroform	83	6.119	6.126	-0.007	93	809816	100.0	94.5	
S 51 1,2-Dichloroethene, Total	100				0			190.3	
$ 52 Dibromofluoromethane (Surr)	113	6.338	6.345	-0.007	93	243172	50.0	49.0	
53 1,1,1-Trichloroethane	97	6.357	6.363	-0.006	98	807658	100.0	99.8	
54 Cyclohexane	56	6.460	6.460	0.000	91	973551	100.0	99.5	
55 Carbon tetrachloride	117	6.570	6.576	-0.006	87	713453	100.0	101.6	
56 1,1-Dichloropropene	75	6.570	6.576	-0.006	94	656652	100.0	100.3	
57 Isobutyl alcohol	41	6.764	6.771	-0.007	96	820026	1250.0	1256.2	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.807	6.807	0.000	75	59795	50.0	50.1	
59 Benzene	78	6.837	6.844	-0.007	96	1974441	100.0	100.0	
60 1,2-Dichloroethane	62	6.910	6.917	-0.007	97	641415	100.0	98.7	
62 Tert-amyl methyl ether	73	7.044	7.044	0.000	98	1489509	100.0	100.5	
* 63 Fluorobenzene (IS)	96	7.251	7.257	-0.006	99	955087	50.0	50.0	
64 n-Heptane	43	7.281	7.288	-0.007	94	668676	100.0	94.7	
65 n-Butanol	56	7.659	7.671	-0.012	90	634614	1250.0	1339.5	
66 Trichloroethene	95	7.744	7.744	0.000	98	494430	100.0	99.4	
68 Ethyl acrylate	55	7.865	7.872	-0.007	99	909984	100.0	101.7	
69 Methylcyclohexane	83	8.054	8.054	0.000	92	962057	100.0	102.0	
70 1,2-Dichloropropane	63	8.078	8.078	0.000	97	514133	100.0	99.2	
71 2-ethoxy-2-methyl butane	87	8.103	8.103	0.000	92	725774	100.0	102.1	
73 Methyl methacrylate	69	8.176	8.182	-0.006	92	496429	100.0	99.6	
74 Dibromomethane	93	8.188	8.188	0.000	94	345430	100.0	99.5	
72 1,4-Dioxane	88	8.188	8.200	-0.012	84	159375	1250.0	1200.3	
76 Dichlorobromomethane	83	8.431	8.431	0.000	100	642891	100.0	100.3	
77 2-Nitropropane	41	8.705	8.705	0.000	98	1315394	500.0	496.8	
78 2-Chloroethyl vinyl ether	63	8.808	8.809	-0.001	92	372317	100.0	104.2	
79 cis-1,3-Dichloropropene	75	8.997	9.003	-0.006	96	776747	100.0	103.5	
80 4-Methyl-2-pentanone (MIBK)	43	9.192	9.192	0.000	97	2178567	200.0	205.2	
$ 82 Toluene-d8 (Surr)	98	9.332	9.332	0.000	93	963346	50.0	49.4	
86 Toluene	92	9.417	9.417	0.000	98	1220880	100.0	97.8	
87 trans-1,3-Dichloropropene	75	9.697	9.697	0.000	93	706603	100.0	100.6	
89 Ethyl methacrylate	69	9.770	9.776	-0.006	91	873603	100.0	95.9	
90 1,1,2-Trichloroethane	97	9.910	9.910	0.000	90	472595	100.0	99.2	
105 Tetrachloroethene	166	10.001	10.001	0.000	97	530578	100.0	97.4	
S 106 1,3-Dichloropropene, Total	100				0			204.1	
107 1,3-Dichloropropane	76	10.074	10.080	-0.006	92	743493	100.0	100.0	
109 2-Hexanone	43	10.141	10.141	0.000	96	1540702	200.0	198.3	
119 Chlorodibromomethane	129	10.299	10.299	0.000	89	558603	100.0	101.4	
123 Ethylene Dibromide	107	10.408	10.408	0.000	98	513326	100.0	100.9	
* 125 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	85	715611	50.0	50.0	
126 1-Chlorohexane	91	10.883	10.883	0.000	99	640538	100.0	92.7	
130 Chlorobenzene	112	10.889	10.889	0.000	96	1359929	100.0	98.2	
132 1,1,1,2-Tetrachloroethane	131	10.974	10.980	-0.006	97	572348	100.0	100.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
133 Ethylbenzene	91	10.986	10.986	0.000	98	2449601	100.0	97.9	
135 m-Xylene & p-Xylene	106	11.102	11.102	0.000	100	1942596	200.0	196.0	
S 136 Xylenes, Total	106				0			295.0	
137 n-Butyl acrylate	55	11.400	11.400	0.000	96	1304617	100.0	99.0	
138 o-Xylene	106	11.436	11.437	-0.001	97	1038628	100.0	99.0	
139 Styrene	104	11.455	11.455	0.000	94	1575739	100.0	98.3	
140 Bromoform	173	11.607	11.607	0.000	97	445101	100.0	101.7	
141 Isopropylbenzene	105	11.747	11.747	0.000	96	2456582	100.0	100.5	
144 Cyclohexanone	55	11.820	11.820	0.000	93	679734	1249.9	1246.5	
$ 145 4-Bromofluorobenzene (Surr)	95	11.887	11.893	-0.006	91	351096	50.0	49.2	
146 1,1,2,2-Tetrachloroethane	83	11.996	11.996	0.000	94	955597	100.0	98.0	
147 Bromobenzene	156	12.002	12.008	-0.006	94	622172	100.0	96.9	
148 trans-1,4-Dichloro-2-butene	53	12.021	12.021	-0.001	89	649116	250.0	254.7	
149 1,2,3-Trichloropropane	110	12.039	12.039	0.000	82	274354	100.0	98.6	
150 N-Propylbenzene	91	12.081	12.081	0.000	99	3027628	100.0	97.9	
151 2-Chlorotoluene	126	12.154	12.154	0.000	97	646244	100.0	99.3	
152 1,3,5-Trimethylbenzene	105	12.221	12.221	0.000	94	2374929	100.0	102.5	
153 4-Chlorotoluene	126	12.252	12.252	0.000	97	612446	100.0	97.7	
155 tert-Butylbenzene	134	12.465	12.465	0.000	93	454786	100.0	108.1	
157 1,2,4-Trimethylbenzene	105	12.507	12.507	0.000	97	2454842	100.0	101.5	
158 sec-Butylbenzene	105	12.629	12.629	0.000	94	3028009	100.0	104.0	
159 1,3-Dichlorobenzene	146	12.726	12.726	0.000	98	1250389	100.0	96.8	
160 4-Isopropyltoluene	119	12.744	12.745	-0.001	97	2669963	100.0	103.5	
* 161 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	94	434583	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.799	12.799	0.000	95	1262480	100.0	96.4	
165 1,2,3-Trimethylbenzene	105	12.811	12.812	-0.001	98	2627606	100.0	102.1	
166 Benzyl chloride	91	12.878	12.878	0.000	98	1974643	100.0	98.6	
167 1,3-Diethylbenzene	119	12.945	12.945	0.000	95	1548244	100.0	101.9	
168 p-Diethylbenzene	119	13.018	13.018	0.000	94	1645341	100.0	100.7	
169 n-Butylbenzene	92	13.036	13.037	-0.001	97	1300945	100.0	101.2	
170 1,2-Dichlorobenzene	146	13.061	13.061	0.000	99	1337505	100.0	98.2	
171 o-diethylbenzene	119	13.091	13.091	0.000	95	1362480	100.0	104.6	
172 1,2-Dibromo-3-Chloropropane	75	13.602	13.602	0.000	88	298291	100.0	101.4	
174 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	1063870	100.0	99.8	
175 1,2,4-Trichlorobenzene	180	14.156	14.162	-0.006	95	1053459	100.0	102.8	
176 2-Ethylhexyl acrylate	55	14.229	14.229	0.000	81	1001691	99.9	109.7	
177 Hexachlorobutadiene	225	14.247	14.247	0.000	96	409660	100.0	105.0	
178 Naphthalene	128	14.338	14.338	0.000	97	3801203	100.0	104.1	
179 1,2,3-Trichlorobenzene	180	14.478	14.478	0.000	96	1025548	100.0	103.8	
180 2-Methylnaphthalene	142	15.074	15.075	-0.001	94	1739153	100.0	116.4	
S 215 Total Diethylbenzene	1				0			307.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00227	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#3_00228	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00219	Amount Added:	5.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added:	10.00	Units: uL	
MSV_CCV_GASES_01047	Amount Added:	2.50	Units: uL	
MSV_CCV_CYC_00011	Amount Added:	10.00	Units: uL	
MSV_CCV_OH_Sp_00020	Amount Added:	5.00	Units: uL	
MSV_HP04_ISSS_00004	Amount Added:	1.00	Units: uL	Run Reagent

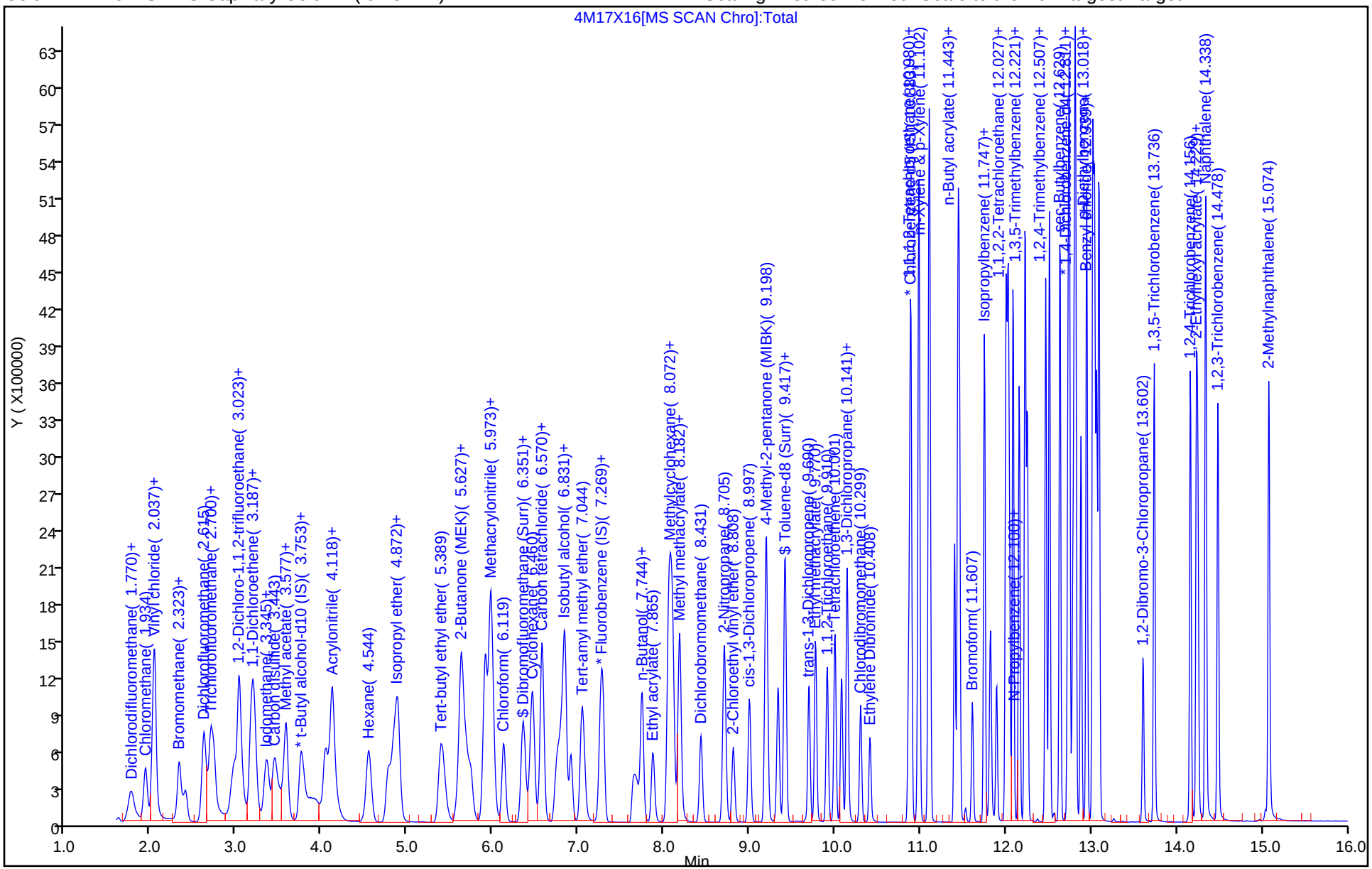
Report Date: 18-Mar-2025 12:32:37 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X16.D

Injection Date:	17-Mar-2025 19:58:30	Instrument ID:	23297	Operator ID:	mec29284
Lims ID:	IC v100			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

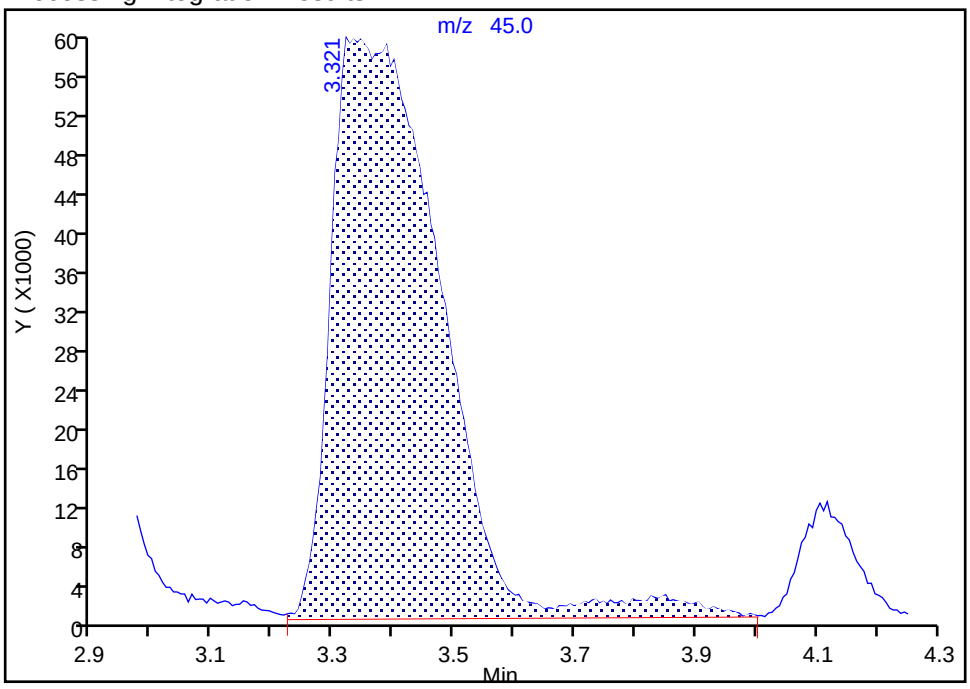
Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X16.D
Injection Date: 17-Mar-2025 19:58:30 Instrument ID: 23297
Lims ID: IC v100
Client ID:
Operator ID: mec29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

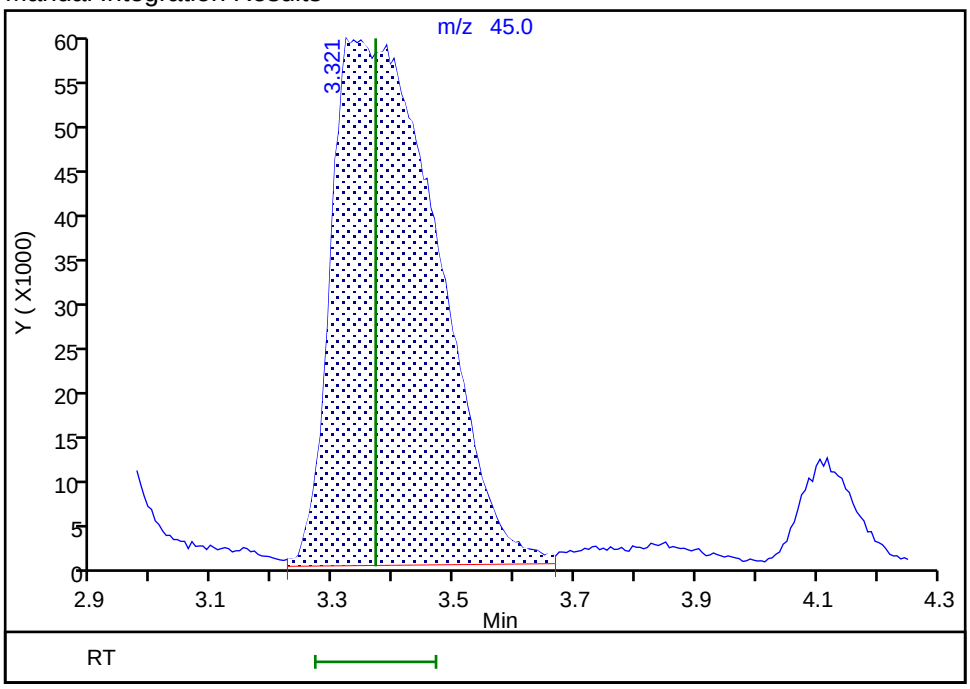
Processing Integration Results

RT: 3.32
Area: 743988
Amount: 430.0759
Amount Units: ug/l



Manual Integration Results

RT: 3.32
Area: 715406
Amount: 425.4960
Amount Units: ug/l



Reviewer: UKEK, 18-Mar-2025 11:53:09 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Mar-2025 20:21:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141042-018
Misc. Info.: IC v300
Operator ID: mec29284 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub95

Method: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2025 12:32:41 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: TQ4J Date: 18-Mar-2025 07:18:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.764	1.770	-0.006	99	2270534	300.0	291.2	
4 Chloromethane	50	1.934	1.934	0.000	99	2484144	300.0	271.9	
5 Vinyl chloride	62	2.031	2.038	-0.007	98	2430496	300.0	291.2	
6 Butadiene	39	2.037	2.038	-0.001	92	2615104	300.0	255.8	
8 Bromomethane	94	2.323	2.330	-0.007	90	1750798	300.0	271.8	
9 Chloroethane	64	2.402	2.409	-0.007	100	1262568	300.0	284.4	
10 Dichlorofluoromethane	67	2.615	2.622	-0.007	97	3698511	300.0	281.3	
11 Trichlorofluoromethane	101	2.688	2.682	0.006	96	2947448	300.0	310.2	
12 Pentane	43	2.725	2.713	0.012	97	2931919	300.0	307.1	
13 Ethanol	45	2.865	2.877	-0.012	92	837333	7500.0	6389.5	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.980	2.980	0.000	92	1893324	300.0	287.2	
16 Acrolein	56	3.029	3.035	-0.006	99	6052206	2927.4	3352.9	
17 1,1-Dichloroethene	96	3.181	3.175	0.006	98	1446971	300.0	295.5	
18 Acetone	58	3.181	3.187	-0.006	77	641776	600.0	715.4	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.205	3.212	-0.007	92	1740364	300.0	302.3	
21 Iodomethane	142	3.351	3.352	-0.001	98	3068319	300.0	290.3	
20 Isopropyl alcohol	45	3.339	3.370	-0.031	97	1865404	1500.0	1291.1	M
22 Carbon disulfide	76	3.455	3.449	0.006	99	5780723	300.0	294.6	
24 Methyl acetate	43	3.552	3.558	-0.006	98	1948596	300.0	281.0	
25 3-Chloro-1-propene	41	3.583	3.589	-0.006	93	2224607	300.0	274.2	
26 Methylene Chloride	84	3.759	3.759	0.000	92	1678719	300.0	289.5	
* 27 t-Butyl alcohol-d10 (IS)	65	3.814	3.814	0.000	94	418584	250.0	250.0	
29 2-Methyl-2-propanol	59	3.923	3.936	-0.013	100	2524475	1500.0	1390.5	
30 Acrylonitrile	53	4.039	4.045	-0.006	98	2647238	750.0	716.2	
31 Methyl tert-butyl ether	73	4.124	4.124	0.000	95	4584132	300.0	278.8	
32 trans-1,2-Dichloroethene	96	4.118	4.124	-0.006	99	1352539	300.0	276.7	
34 Hexane	57	4.544	4.550	-0.006	94	1953600	300.0	261.9	
35 1,1-Dichloroethane	63	4.775	4.781	-0.006	96	2338539	300.0	277.7	
37 Isopropyl ether	45	4.848	4.848	0.000	95	4741317	300.0	285.2	
38 2-Chloro-1,3-butadiene	53	4.885	4.897	-0.012	91	2097954	300.0	273.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.396	5.396	0.000	98	4490058	300.0	284.1	
40 2-Butanone (MEK)	43	5.602	5.609	-0.007	100	3314411	600.0	624.3	
41 cis-1,2-Dichloroethene	96	5.627	5.633	-0.006	82	1559656	300.0	272.8	
42 2,2-Dichloropropane	77	5.651	5.651	0.000	90	2448833	300.0	285.3	
43 Propionitrile	54	5.688	5.694	-0.006	98	2650779	1500.0	1782.0	
46 Methyl acrylate	55	5.742	5.742	0.000	100	2762486	300.1	299.3	
47 Methacrylonitrile	67	5.913	5.913	0.000	93	2665723	750.0	737.8	
48 Chlorobromomethane	128	5.961	5.967	-0.006	93	846277	300.0	277.0	
49 Tetrahydrofuran	71	5.986	5.986	0.000	91	2329571	1500.0	1737.6	
50 Chloroform	83	6.126	6.126	0.000	93	2411537	300.0	270.9	
S 51 1,2-Dichloroethene, Total	100				0			549.4	
$ 52 Dibromofluoromethane (Surr)	113	6.345	6.345	0.000	93	240414	50.0	46.6	
53 1,1,1-Trichloroethane	97	6.363	6.363	0.000	98	2476466	300.0	294.5	
54 Cyclohexane	56	6.460	6.460	0.000	91	3031621	300.0	298.3	
55 Carbon tetrachloride	117	6.570	6.576	-0.006	84	2199736	300.0	301.6	
56 1,1-Dichloropropene	75	6.570	6.576	-0.006	94	2004344	300.0	294.6	
57 Isobutyl alcohol	41	6.764	6.771	-0.007	94	2219165	3750.0	3956.2	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.807	6.807	0.000	67	61647	50.0	49.7	
59 Benzene	78	6.837	6.844	-0.007	96	5987714	300.0	291.8	
60 1,2-Dichloroethane	62	6.910	6.917	-0.007	97	1980105	300.0	293.4	
62 Tert-amyl methyl ether	73	7.044	7.044	0.000	98	4465006	300.0	290.0	
* 63 Fluorobenzene (IS)	96	7.251	7.257	-0.006	99	992059	50.0	50.0	
64 n-Heptane	43	7.281	7.288	-0.007	94	1991862	300.0	271.5	
65 n-Butanol	56	7.665	7.671	-0.006	90	1714609	3750.0	4211.7	
66 Trichloroethene	95	7.744	7.744	0.000	99	1576090	300.0	305.0	
68 Ethyl acrylate	55	7.872	7.872	0.000	99	2964906	300.1	319.0	
69 Methylcyclohexane	83	8.054	8.054	0.000	92	3004039	300.0	306.7	
70 1,2-Dichloropropane	63	8.078	8.078	0.000	97	1617237	300.0	300.3	
71 2-ethoxy-2-methyl butane	87	8.103	8.103	0.000	92	2244034	300.0	303.9	
73 Methyl methacrylate	69	8.182	8.182	0.000	92	1642478	300.0	317.2	
74 Dibromomethane	93	8.188	8.188	0.000	95	1113357	300.0	308.8	
72 1,4-Dioxane	88	8.176	8.200	-0.024	54	411252	3750.0	3604.2	
76 Dichlorobromomethane	83	8.431	8.431	0.000	100	2072176	300.0	311.2	
77 2-Nitropropane	41	8.711	8.705	0.006	98	4156382	1500.0	1826.9	
78 2-Chloroethyl vinyl ether	63	8.815	8.809	0.005	92	1219233	300.0	328.4	
79 cis-1,3-Dichloropropene	75	8.997	9.003	-0.006	96	2562884	300.0	328.6	
80 4-Methyl-2-pentanone (MIBK)	43	9.198	9.192	0.006	97	6789493	600.0	615.7	
$ 82 Toluene-d8 (Surr)	98	9.338	9.332	0.006	94	1036311	50.0	48.8	
86 Toluene	92	9.417	9.417	0.000	98	3904302	300.0	287.4	
87 trans-1,3-Dichloropropene	75	9.697	9.697	0.000	93	2357920	300.0	308.5	
89 Ethyl methacrylate	69	9.776	9.776	0.000	90	2843038	300.0	286.8	
90 1,1,2-Trichloroethane	97	9.910	9.910	0.000	90	1536401	300.0	296.3	
105 Tetrachloroethene	166	10.001	10.001	0.000	97	1703032	300.0	287.1	
S 106 1,3-Dichloropropene, Total	100				0			637.1	
107 1,3-Dichloropropane	76	10.080	10.080	0.000	92	2427222	300.0	299.9	
109 2-Hexanone	43	10.141	10.141	0.000	96	4873614	600.0	576.1	
119 Chlorodibromomethane	129	10.299	10.299	0.000	90	1834342	300.0	306.0	
123 Ethylene Dibromide	107	10.408	10.408	0.000	99	1672798	300.0	302.1	
* 125 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	86	779014	50.0	50.0	
126 1-Chlorohexane	91	10.883	10.883	0.000	99	2055518	300.0	273.3	
130 Chlorobenzene	112	10.889	10.889	0.000	95	4405681	300.0	292.3	
132 1,1,1,2-Tetrachloroethane	131	10.974	10.980	-0.006	97	1798621	300.0	289.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
133 Ethylbenzene	91	10.986	10.986	0.000	98	7688670	300.0	282.3	
135 m-Xylene & p-Xylene	106	11.102	11.102	0.000	99	6194221	600.0	574.2	
S 136 Xylenes, Total	106				0			863.9	
137 n-Butyl acrylate	55	11.400	11.400	0.000	97	4207722	299.9	293.4	
138 o-Xylene	106	11.443	11.437	0.006	96	3308022	300.0	289.7	
139 Styrene	104	11.455	11.455	0.000	94	5110902	300.0	293.0	
140 Bromoform	173	11.607	11.607	0.000	97	1477752	300.0	310.0	
141 Isopropylbenzene	105	11.747	11.747	0.000	96	7557960	300.0	284.1	
144 Cyclohexanone	55	11.820	11.820	0.000	93	1611888	3749.7	3439.8	
$ 145 4-Bromofluorobenzene (Surr)	95	11.893	11.893	0.000	92	383557	50.0	49.4	
146 1,1,2,2-Tetrachloroethane	83	12.002	11.996	0.006	95	3138444	300.0	297.5	
147 Bromobenzene	156	12.002	12.008	-0.006	97	2058692	300.0	296.4	
148 trans-1,4-Dichloro-2-butene	53	12.027	12.021	0.006	88	2107433	750.0	764.6	
149 1,2,3-Trichloropropane	110	12.045	12.039	0.006	83	887519	300.0	294.9	
150 N-Propylbenzene	91	12.087	12.081	0.006	98	9330820	300.0	278.9	
151 2-Chlorotoluene	126	12.154	12.154	0.000	97	2075725	300.0	295.1	
152 1,3,5-Trimethylbenzene	105	12.227	12.221	0.006	94	7396347	300.0	295.2	
153 4-Chlorotoluene	126	12.252	12.252	0.000	97	2023863	300.0	298.5	
155 tert-Butylbenzene	134	12.465	12.465	0.000	93	1484259	300.0	326.1	
157 1,2,4-Trimethylbenzene	105	12.507	12.507	0.000	98	7591899	300.0	290.4	
158 sec-Butylbenzene	105	12.635	12.629	0.006	94	9193726	300.0	292.1	
159 1,3-Dichlorobenzene	146	12.726	12.726	0.000	98	4043856	300.0	289.6	
160 4-Isopropyltoluene	119	12.745	12.745	-0.001	96	8139576	300.0	291.8	
* 161 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	95	469952	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.799	12.799	0.000	94	4082235	300.0	288.4	
165 1,2,3-Trimethylbenzene	105	12.818	12.812	0.006	98	8146713	300.0	292.7	
166 Benzyl chloride	91	12.878	12.878	0.000	98	6286542	300.0	290.2	
167 1,3-Diethylbenzene	119	12.945	12.945	0.000	95	4857810	300.0	295.7	
168 p-Diethylbenzene	119	13.018	13.018	0.000	93	5139750	300.0	290.8	
169 n-Butylbenzene	92	13.037	13.037	-0.001	97	4125797	300.0	296.7	
170 1,2-Dichlorobenzene	146	13.061	13.061	0.000	98	4277421	300.0	290.4	
171 o-diethylbenzene	119	13.091	13.091	0.000	95	4318781	300.0	306.7	
172 1,2-Dibromo-3-Chloropropane	75	13.602	13.602	0.000	88	904686	300.0	284.5	
174 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	3231170	300.0	280.4	
175 1,2,4-Trichlorobenzene	180	14.162	14.162	0.000	95	3028078	300.0	273.4	
176 2-Ethylhexyl acrylate	55	14.229	14.229	0.000	83	2961879	299.8	300.0	
177 Hexachlorobutadiene	225	14.247	14.247	0.000	98	1246244	300.0	295.4	
178 Naphthalene	128	14.338	14.338	0.000	98	10320619	300.0	261.5	
179 1,2,3-Trichlorobenzene	180	14.484	14.478	0.006	96	2860639	300.0	267.8	
180 2-Methylnaphthalene	142	15.075	15.075	-0.001	96	4628191	300.0	286.5	
S 215 Total Diethylbenzene	1				0			893.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00227	Amount Added:	15.00	Units: uL	
MSV_CCV_VOC#3_00228	Amount Added:	12.00	Units: uL	
MSV_CCV_2CEVE_00219	Amount Added:	15.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added:	30.00	Units: uL	
MSV_CCV_GASES_01047	Amount Added:	7.50	Units: uL	
MSV_CCV_CYC_00011	Amount Added:	30.00	Units: uL	
MSV_CCV_OH_Sp_00020	Amount Added:	15.00	Units: uL	
MSV_HP04_ISSS_00004	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 18-Mar-2025 12:32:42 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Injection Date: 17-Mar-2025 20:21:30 Instrument ID: 23297 Operator ID: mec29284

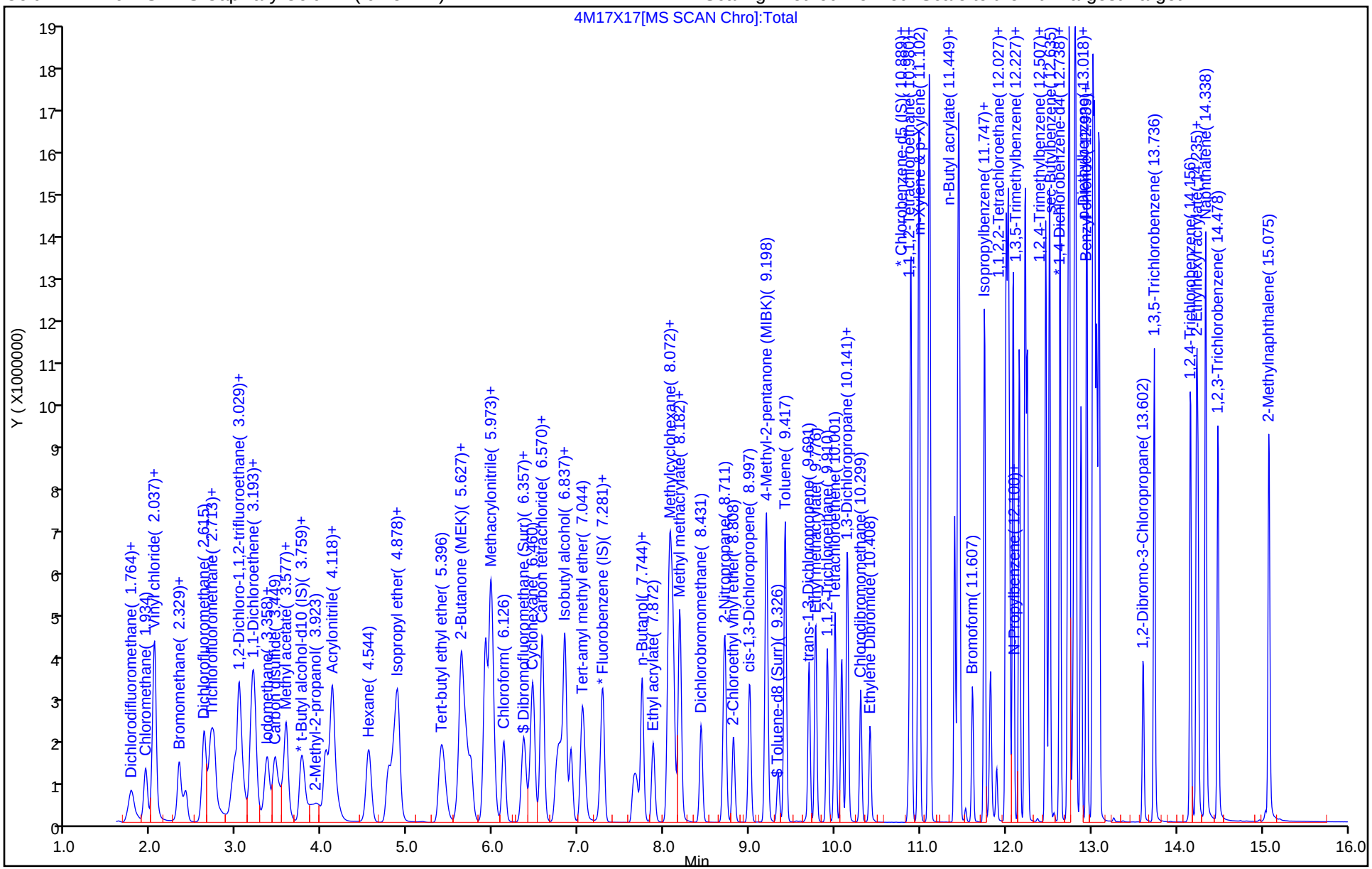
Lims ID: IC v300 Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 17

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

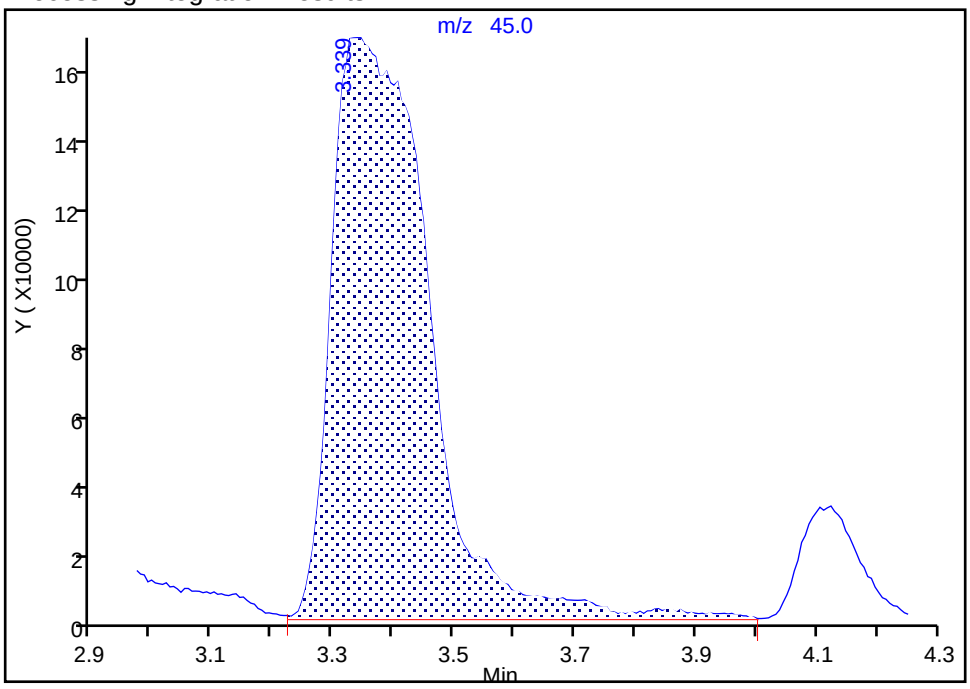
Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D
Injection Date: 17-Mar-2025 20:21:30 Instrument ID: 23297
Lims ID: IC v300
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

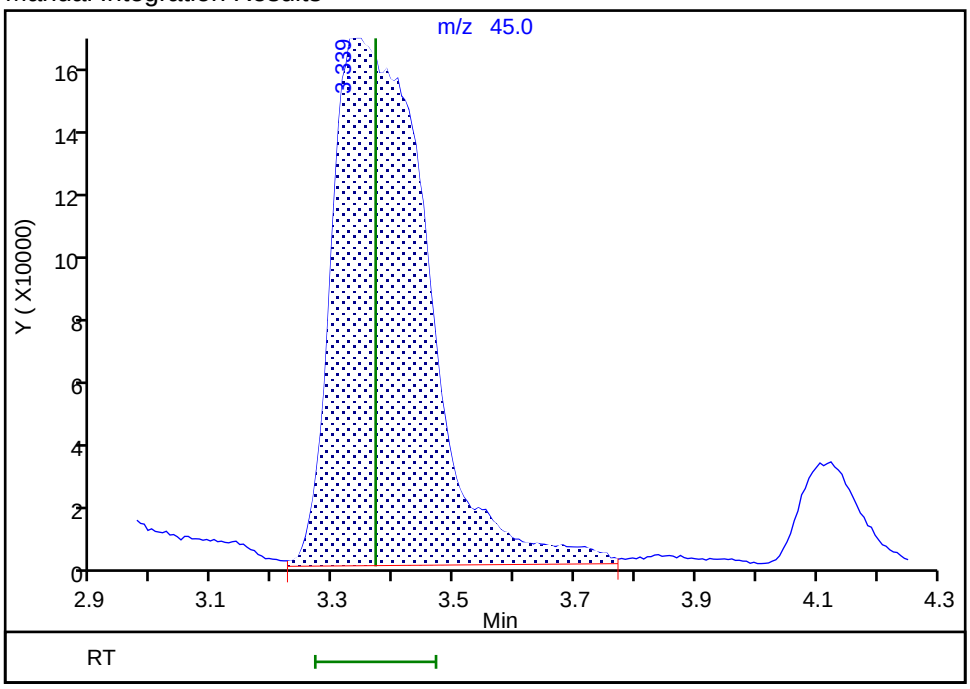
Processing Integration Results

RT: 3.34
Area: 1888738
Amount: 1277.5967
Amount Units: ug/l



Manual Integration Results

RT: 3.34
Area: 1865404
Amount: 1291.1009
Amount Units: ug/l



Reviewer: UKEK, 18-Mar-2025 11:55:20 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

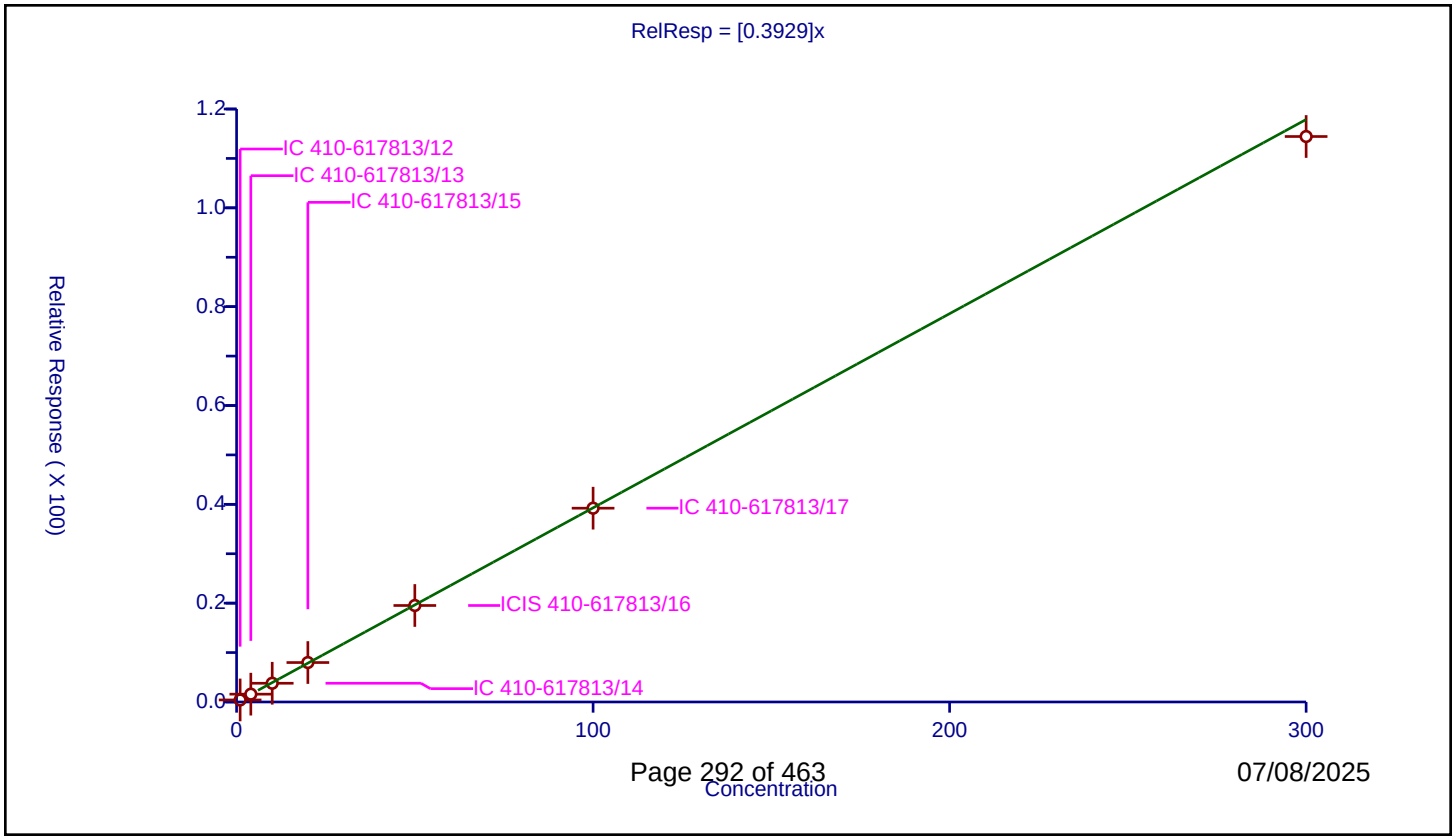
Curve Coefficients

Intercept:	0
Slope:	0.3929

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.412262	50.0	954490.0	0.412262	Y
2	IC 410-617813/13	4.0	1.582734	50.0	926277.0	0.395683	Y
3	IC 410-617813/14	10.0	3.792459	50.0	935989.0	0.379246	Y
4	IC 410-617813/15	20.0	7.984087	50.0	952432.0	0.399204	Y
5	ICIS 410-617813/16	50.0	19.525205	50.0	954497.0	0.390504	Y
6	IC 410-617813/17	100.0	39.217684	50.0	955087.0	0.392177	Y
7	IC 410-617813/18	300.0	114.435432	50.0	992059.0	0.381451	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

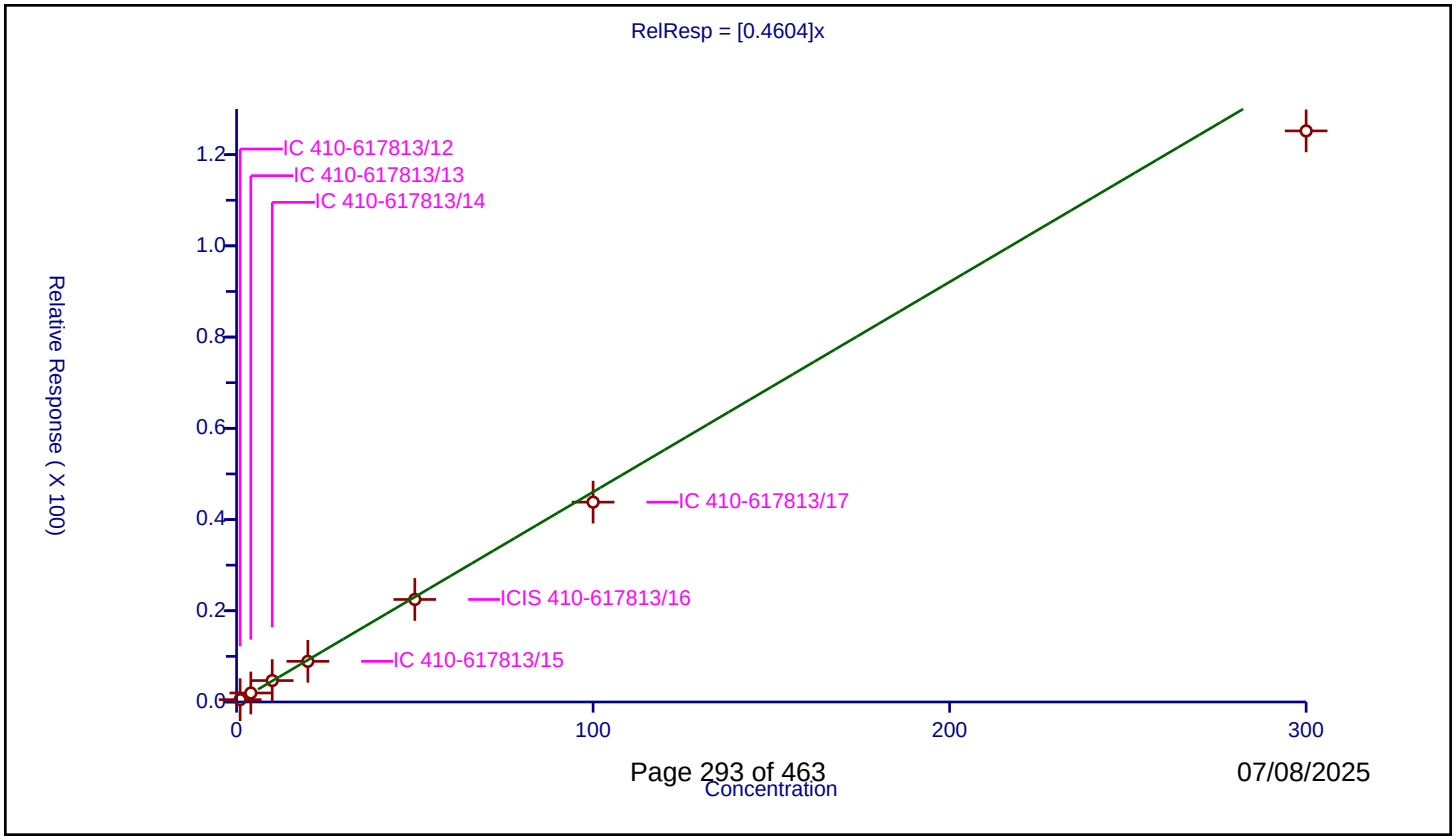
Curve Coefficients

Intercept:	0
Slope:	0.4604

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.509434	50.0	954490.0	0.509434	Y
2	IC 410-617813/13	4.0	1.97252	50.0	926277.0	0.49313	Y
3	IC 410-617813/14	10.0	4.698933	50.0	935989.0	0.469893	Y
4	IC 410-617813/15	20.0	8.911082	50.0	952432.0	0.445554	Y
5	ICIS 410-617813/16	50.0	22.475084	50.0	954497.0	0.449502	Y
6	IC 410-617813/17	100.0	43.817527	50.0	955087.0	0.438175	Y
7	IC 410-617813/18	300.0	125.201425	50.0	992059.0	0.417338	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

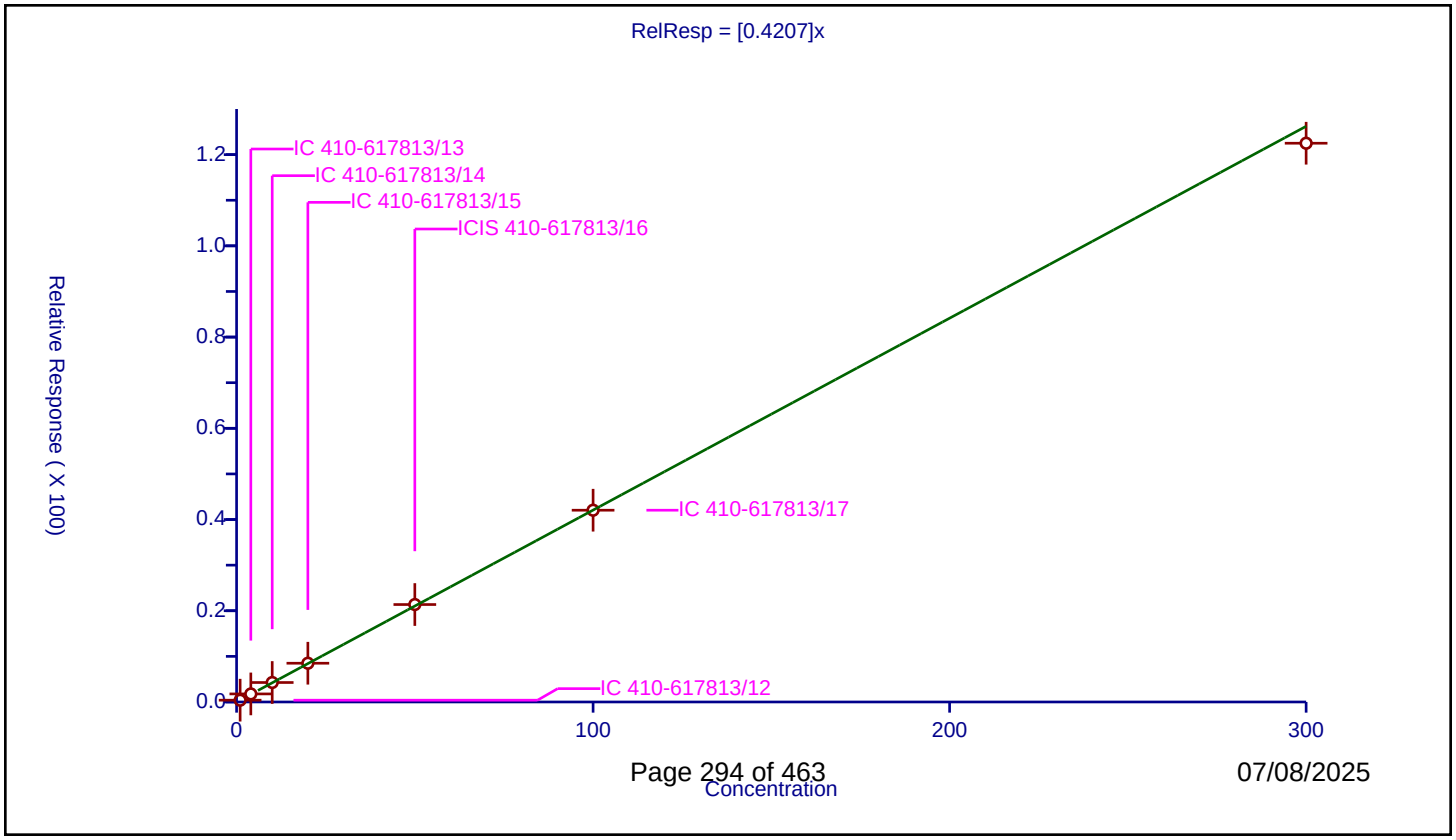
Curve Coefficients

Intercept:	0
Slope:	0.4207

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.395394	50.0	954490.0	0.395394	Y
2	IC 410-617813/13	4.0	1.765617	50.0	926277.0	0.441404	Y
3	IC 410-617813/14	10.0	4.272753	50.0	935989.0	0.427275	Y
4	IC 410-617813/15	20.0	8.495252	50.0	952432.0	0.424763	Y
5	ICIS 410-617813/16	50.0	21.362456	50.0	954497.0	0.427249	Y
6	IC 410-617813/17	100.0	42.046065	50.0	955087.0	0.420461	Y
7	IC 410-617813/18	300.0	122.497553	50.0	992059.0	0.408325	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

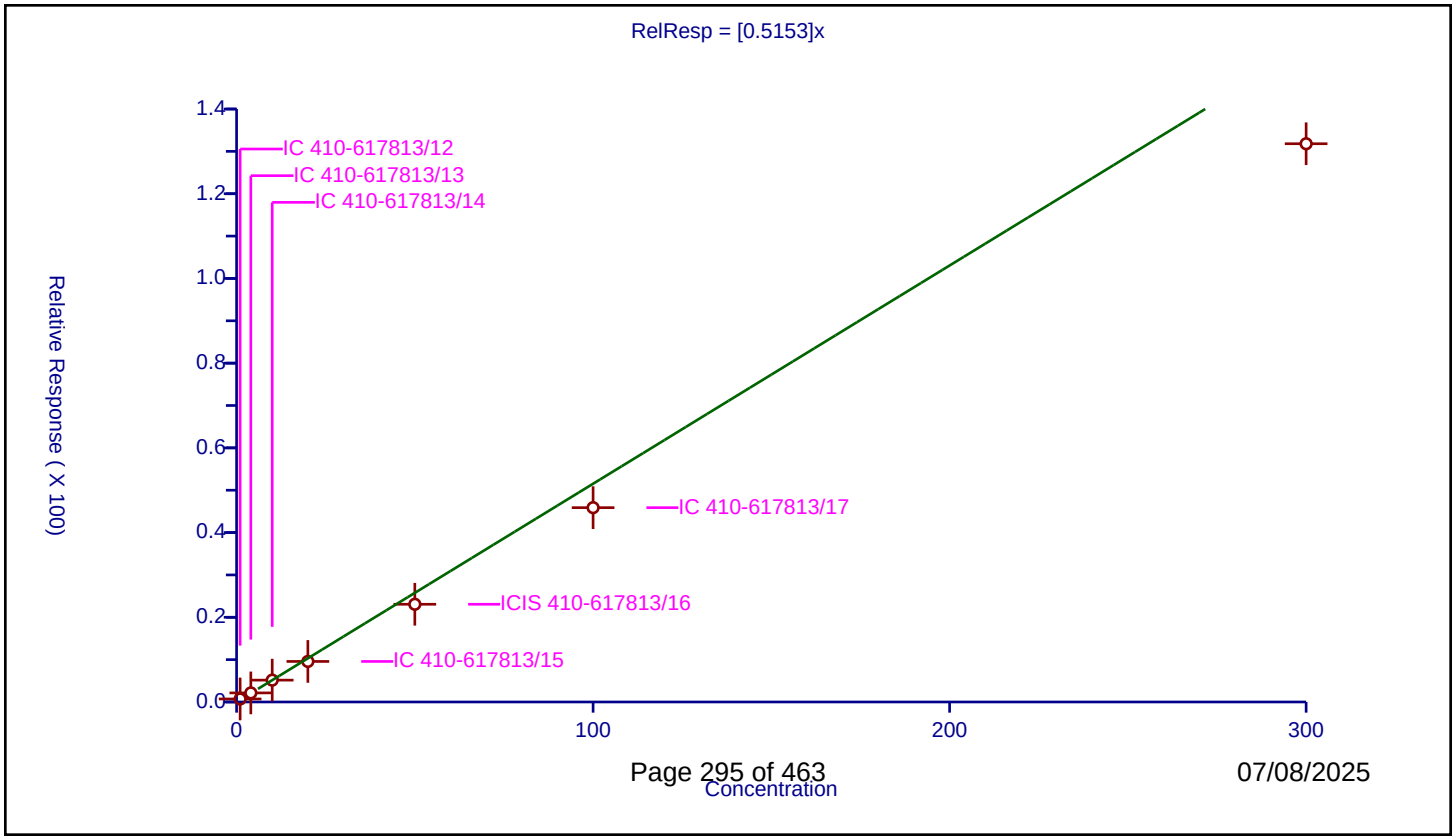
Curve Coefficients

Intercept:	0
Slope:	0.5153

Error Coefficients

Relative Standard Deviation:	18.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.716718	50.0	954490.0	0.716718	Y
2	IC 410-617813/13	4.0	2.144391	50.0	926277.0	0.536098	Y
3	IC 410-617813/14	10.0	5.159783	50.0	935989.0	0.515978	Y
4	IC 410-617813/15	20.0	9.5705	50.0	952432.0	0.478525	Y
5	ICIS 410-617813/16	50.0	23.071209	50.0	954497.0	0.461424	Y
6	IC 410-617813/17	100.0	45.880794	50.0	955087.0	0.458808	Y
7	IC 410-617813/18	300.0	131.801838	50.0	992059.0	0.439339	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

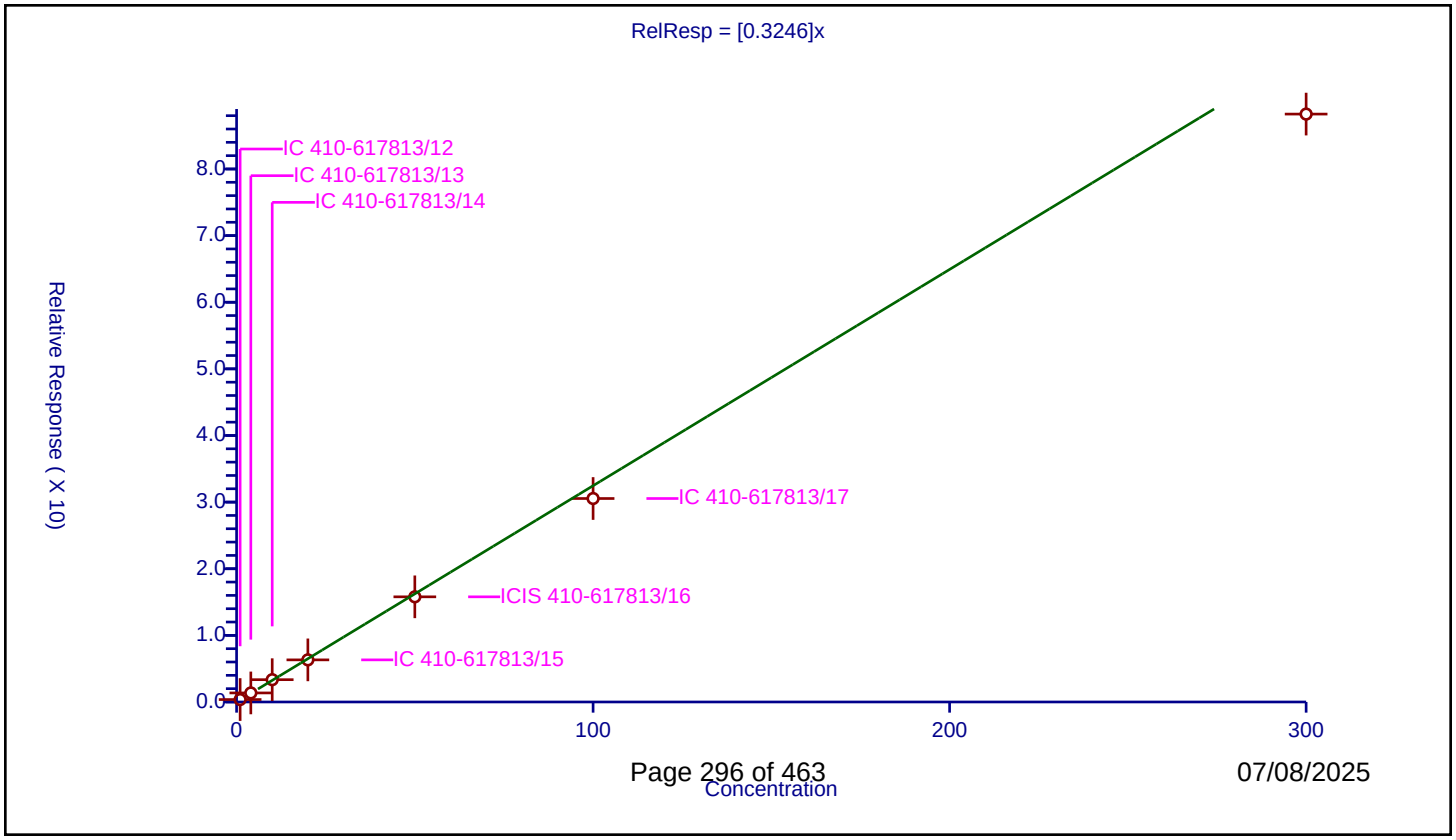
Curve Coefficients

Intercept:	0
Slope:	0.3246

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.366478	50.0	954490.0	0.366478	Y
2	IC 410-617813/13	4.0	1.359205	50.0	926277.0	0.339801	Y
3	IC 410-617813/14	10.0	3.346674	50.0	935989.0	0.334667	Y
4	IC 410-617813/15	20.0	6.321029	50.0	952432.0	0.316051	Y
5	ICIS 410-617813/16	50.0	15.784282	50.0	954497.0	0.315686	Y
6	IC 410-617813/17	100.0	30.540045	50.0	955087.0	0.3054	Y
7	IC 410-617813/18	300.0	88.240619	50.0	992059.0	0.294135	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

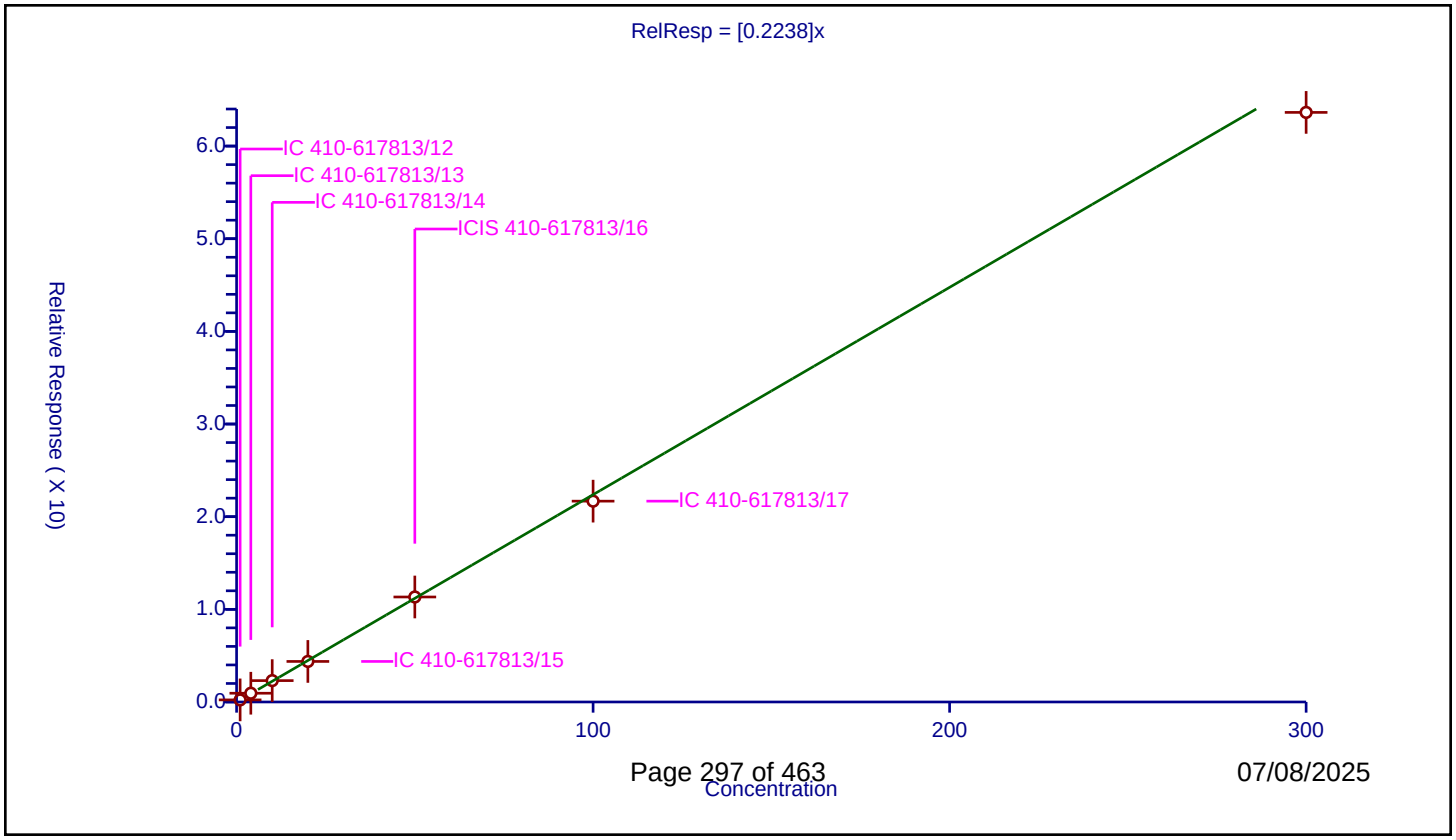
Curve Coefficients

Intercept:	0
Slope:	0.2238

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.224832	50.0	954490.0	0.224832	Y
2	IC 410-617813/13	4.0	0.945883	50.0	926277.0	0.236471	Y
3	IC 410-617813/14	10.0	2.306811	50.0	935989.0	0.230681	Y
4	IC 410-617813/15	20.0	4.376638	50.0	952432.0	0.218832	Y
5	ICIS 410-617813/16	50.0	11.334032	50.0	954497.0	0.226681	Y
6	IC 410-617813/17	100.0	21.677292	50.0	955087.0	0.216773	Y
7	IC 410-617813/18	300.0	63.633715	50.0	992059.0	0.212112	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

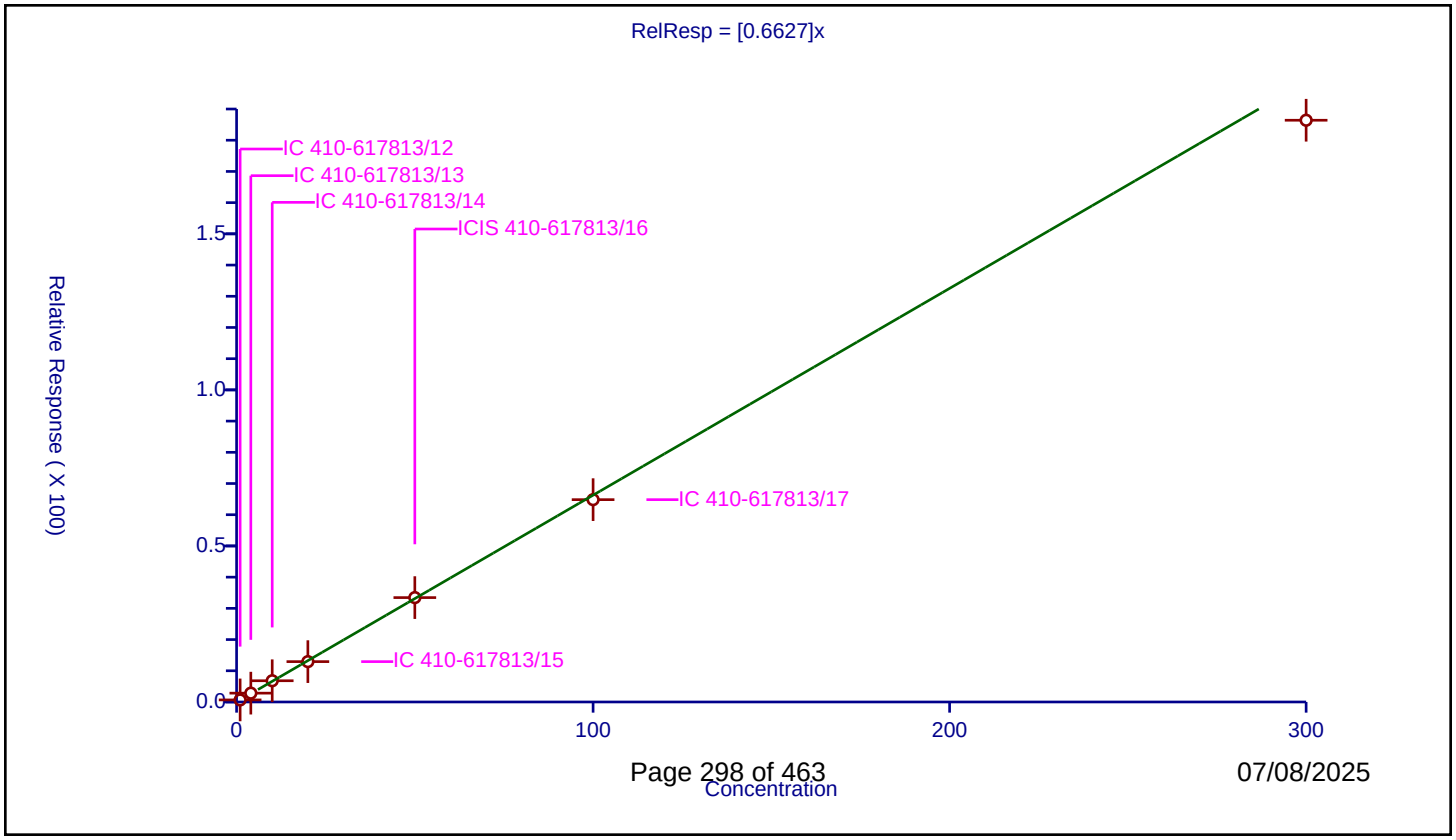
Curve Coefficients

Intercept:	0
Slope:	0.6627

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.66381	50.0	954490.0	0.66381	Y
2	IC 410-617813/13	4.0	2.835437	50.0	926277.0	0.708859	Y
3	IC 410-617813/14	10.0	6.808093	50.0	935989.0	0.680809	Y
4	IC 410-617813/15	20.0	12.929532	50.0	952432.0	0.646477	Y
5	ICIS 410-617813/16	50.0	33.446255	50.0	954497.0	0.668925	Y
6	IC 410-617813/17	100.0	64.83179	50.0	955087.0	0.648318	Y
7	IC 410-617813/18	300.0	186.405798	50.0	992059.0	0.621353	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

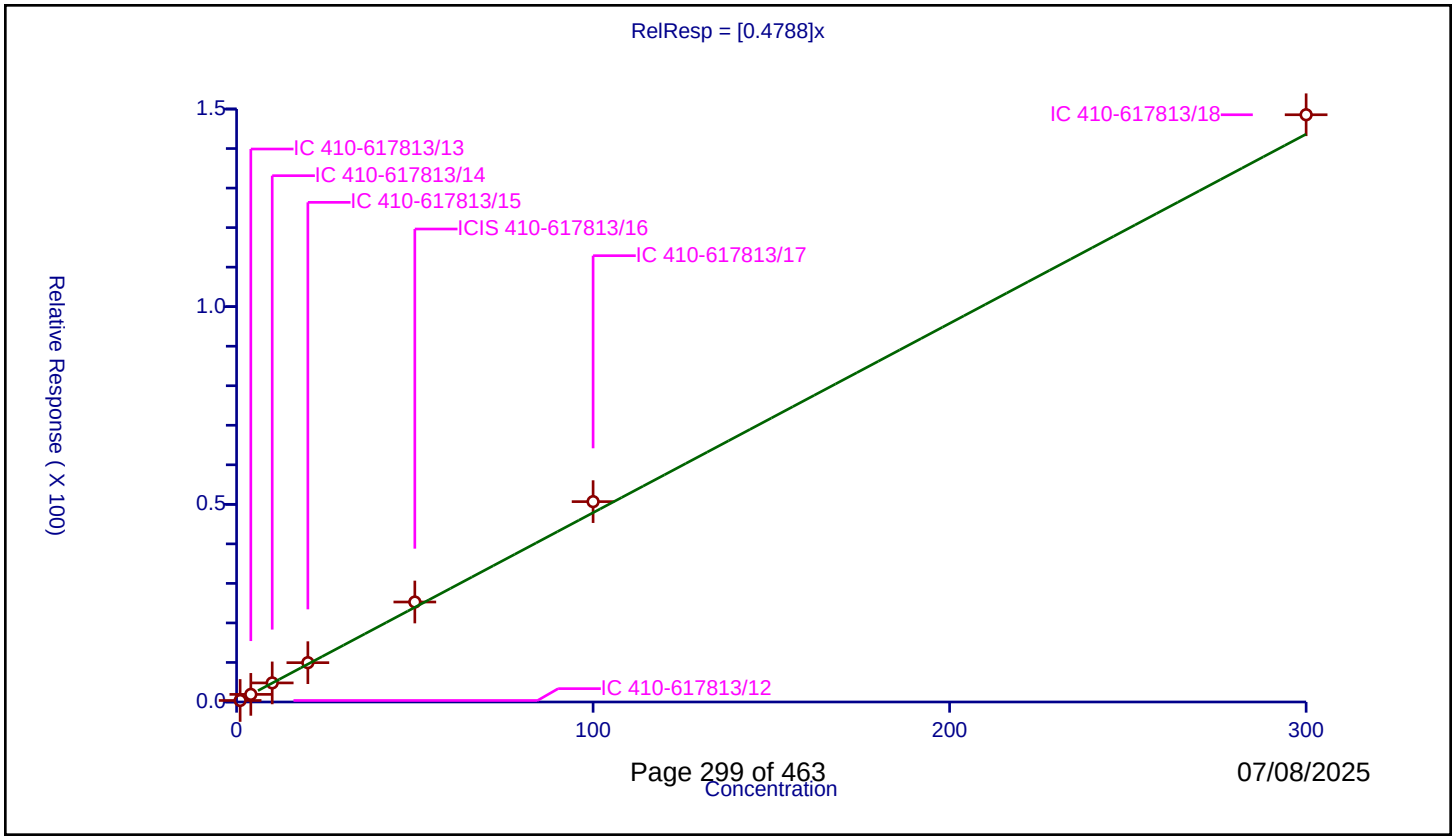
Curve Coefficients

Intercept:	0
Slope:	0.4788

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.382613	50.0	954490.0	0.382613	Y
2	IC 410-617813/13	4.0	1.925126	50.0	926277.0	0.481282	Y
3	IC 410-617813/14	10.0	4.827567	50.0	935989.0	0.482757	Y
4	IC 410-617813/15	20.0	9.946537	50.0	952432.0	0.497327	Y
5	ICIS 410-617813/16	50.0	25.289446	50.0	954497.0	0.505789	Y
6	IC 410-617813/17	100.0	50.683603	50.0	955087.0	0.506836	Y
7	IC 410-617813/18	300.0	148.552052	50.0	992059.0	0.495174	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

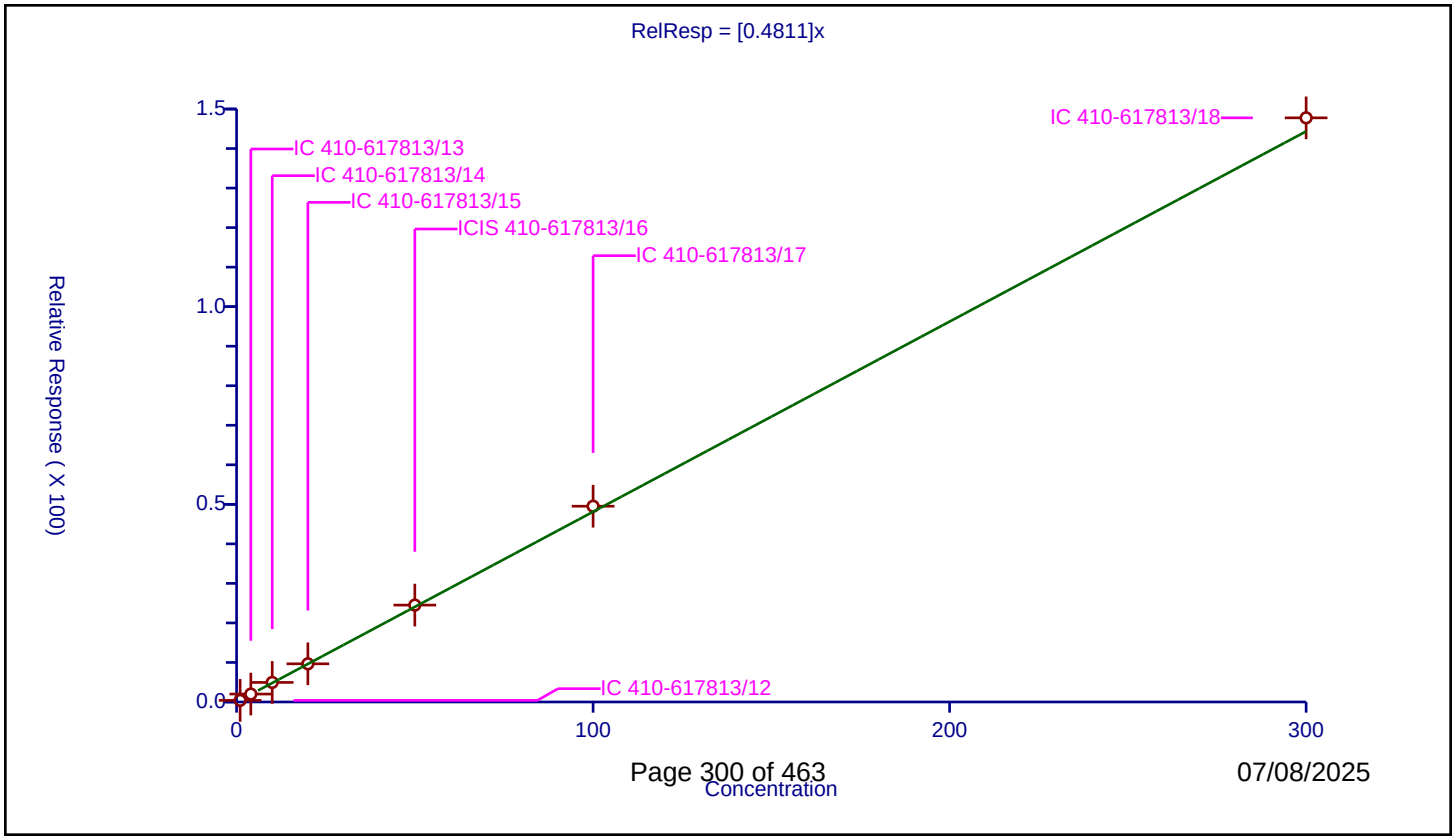
Curve Coefficients

Intercept:	0
Slope:	0.4811

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.410638	50.0	954490.0	0.410638	Y
2	IC 410-617813/13	4.0	2.008147	50.0	926277.0	0.502037	Y
3	IC 410-617813/14	10.0	4.946265	50.0	935989.0	0.494627	Y
4	IC 410-617813/15	20.0	9.653918	50.0	952432.0	0.482696	Y
5	ICIS 410-617813/16	50.0	24.509925	50.0	954497.0	0.490199	Y
6	IC 410-617813/17	100.0	49.525017	50.0	955087.0	0.49525	Y
7	IC 410-617813/18	300.0	147.769387	50.0	992059.0	0.492565	Y



Calibration / Ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

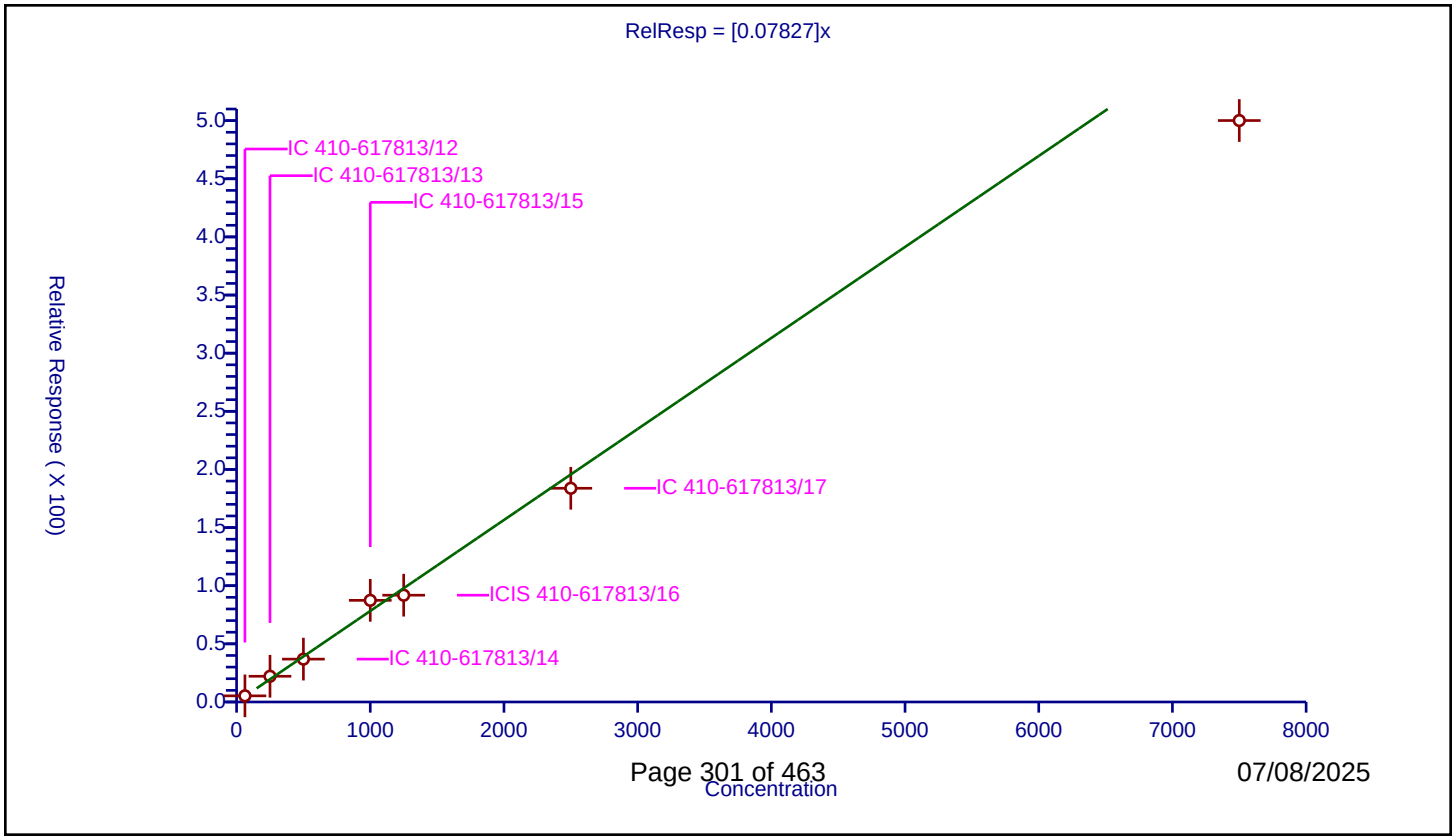
Curve Coefficients

Intercept:	0
Slope:	0.07827

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	62.50002	5.285726	250.0	492884.0	0.084572	Y
2	IC 410-617813/13	250.00008	22.121901	250.0	506263.0	0.088488	Y
3	IC 410-617813/14	500.00016	36.860178	250.0	467259.0	0.07372	Y
4	IC 410-617813/15	1000.00032	87.417949	250.0	517817.0	0.087418	Y
5	ICIS 410-617813/16	1250.0004	91.850752	250.0	483744.0	0.073481	Y
6	IC 410-617813/17	2500.0008	183.808072	250.0	487110.0	0.073523	Y
7	IC 410-617813/18	7500.0024	500.098547	250.0	418584.0	0.06668	Y



Calibration / 1,2-Dichloro-1,1,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

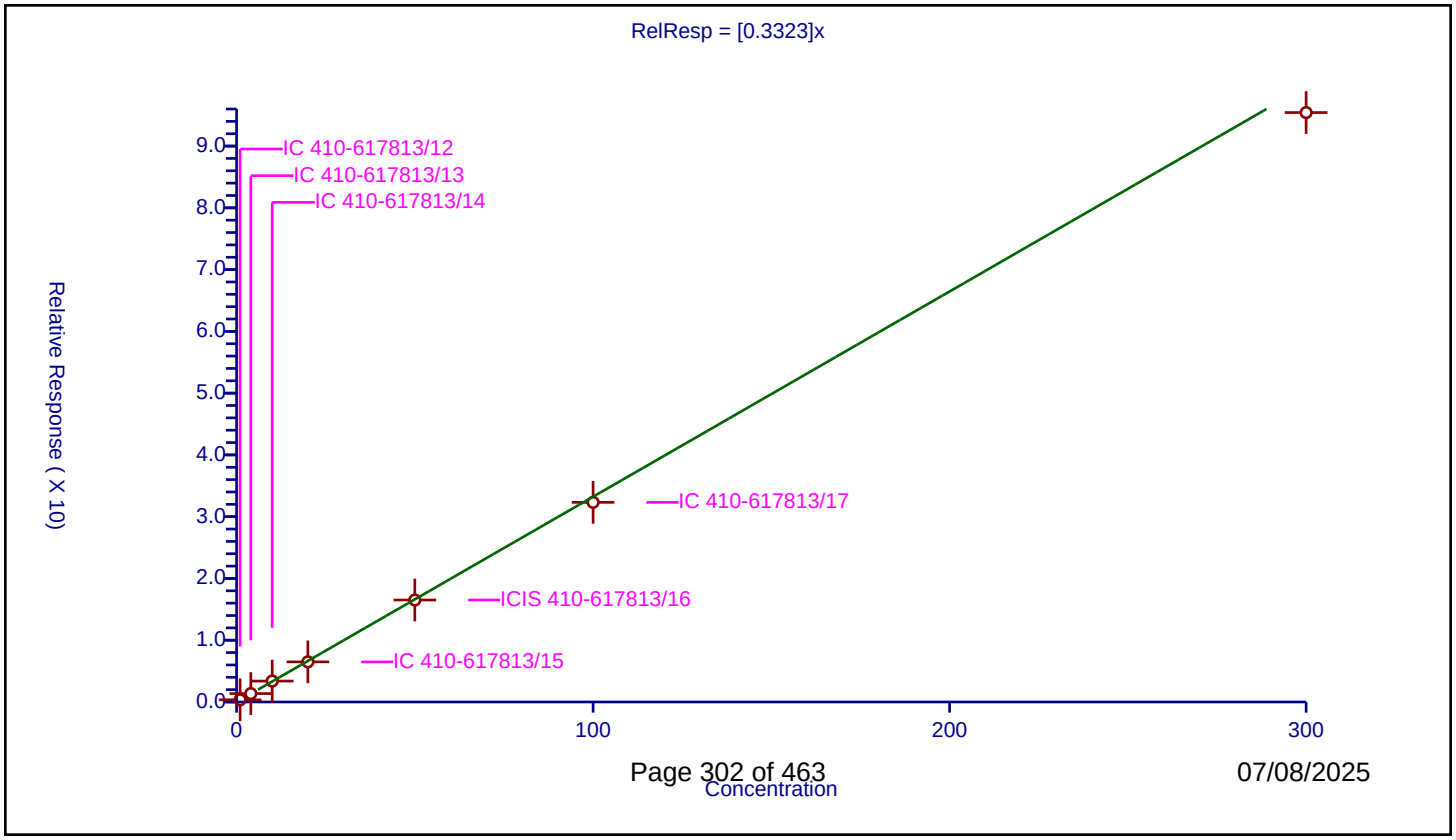
Curve Coefficients

Intercept:	0
Slope:	0.3323

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.350763	50.0	954490.0	0.350763	Y
2	IC 410-617813/13	4.0	1.36158	50.0	926277.0	0.340395	Y
3	IC 410-617813/14	10.0	3.388555	50.0	935989.0	0.338855	Y
4	IC 410-617813/15	20.0	6.495004	50.0	952432.0	0.32475	Y
5	ICIS 410-617813/16	50.0	16.506914	50.0	954497.0	0.330138	Y
6	IC 410-617813/17	100.0	32.321453	50.0	955087.0	0.323215	Y
7	IC 410-617813/18	300.0	95.423962	50.0	992059.0	0.31808	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

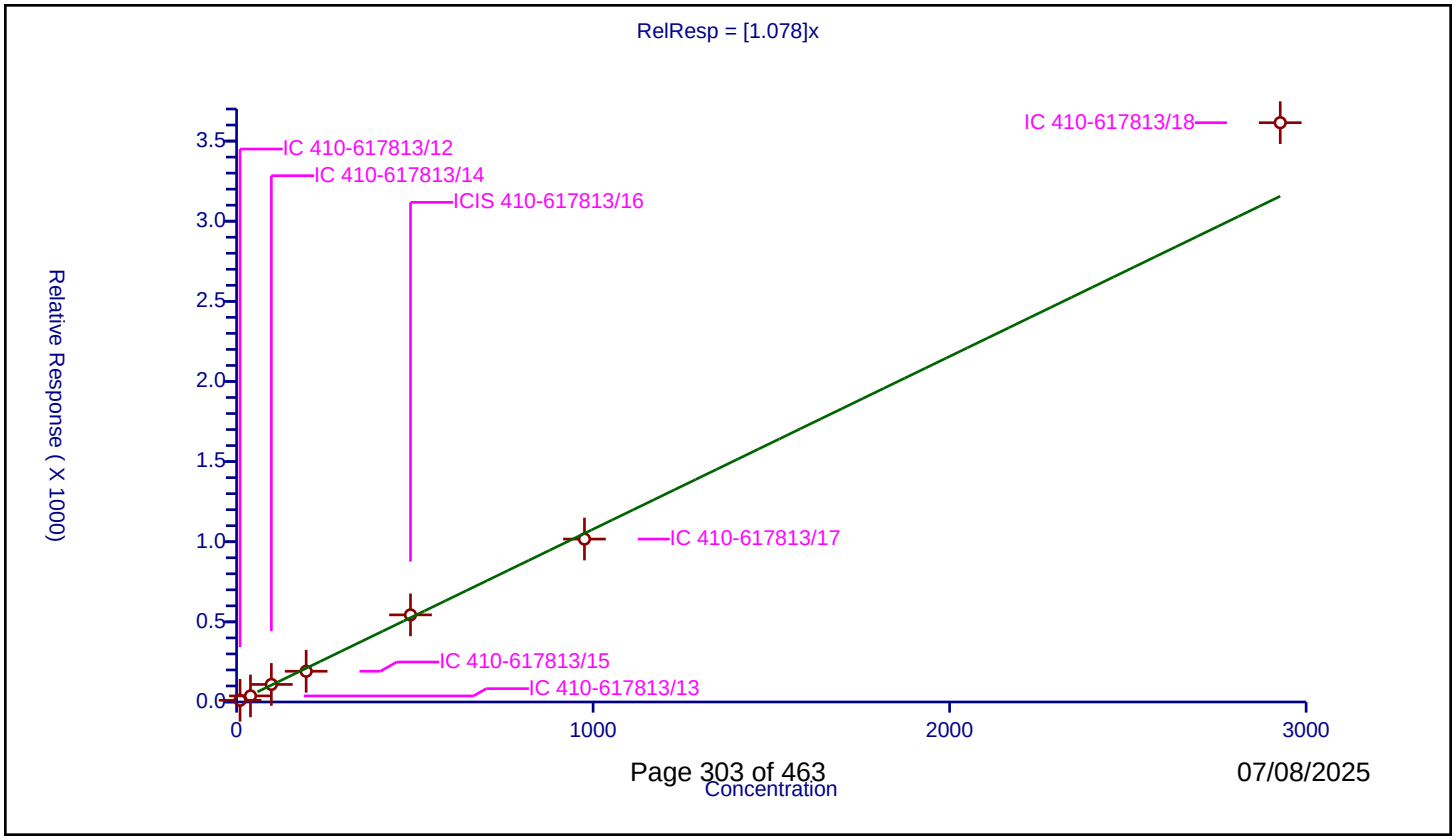
Curve Coefficients

Intercept:	0
Slope:	1.078

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	9.758146	10.554207	250.0	492884.0	1.081579	Y
2	IC 410-617813/13	39.032585	37.85483	250.0	506263.0	0.969826	Y
3	IC 410-617813/14	97.581461	109.490668	250.0	467259.0	1.122044	Y
4	IC 410-617813/15	195.162923	191.755485	250.0	517817.0	0.982541	Y
5	ICIS 410-617813/16	487.907307	543.519403	250.0	483744.0	1.113981	Y
6	IC 410-617813/17	975.814614	1016.612777	250.0	487110.0	1.041809	Y
7	IC 410-617813/18	2927.443842	3614.690241	250.0	418584.0	1.23476	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

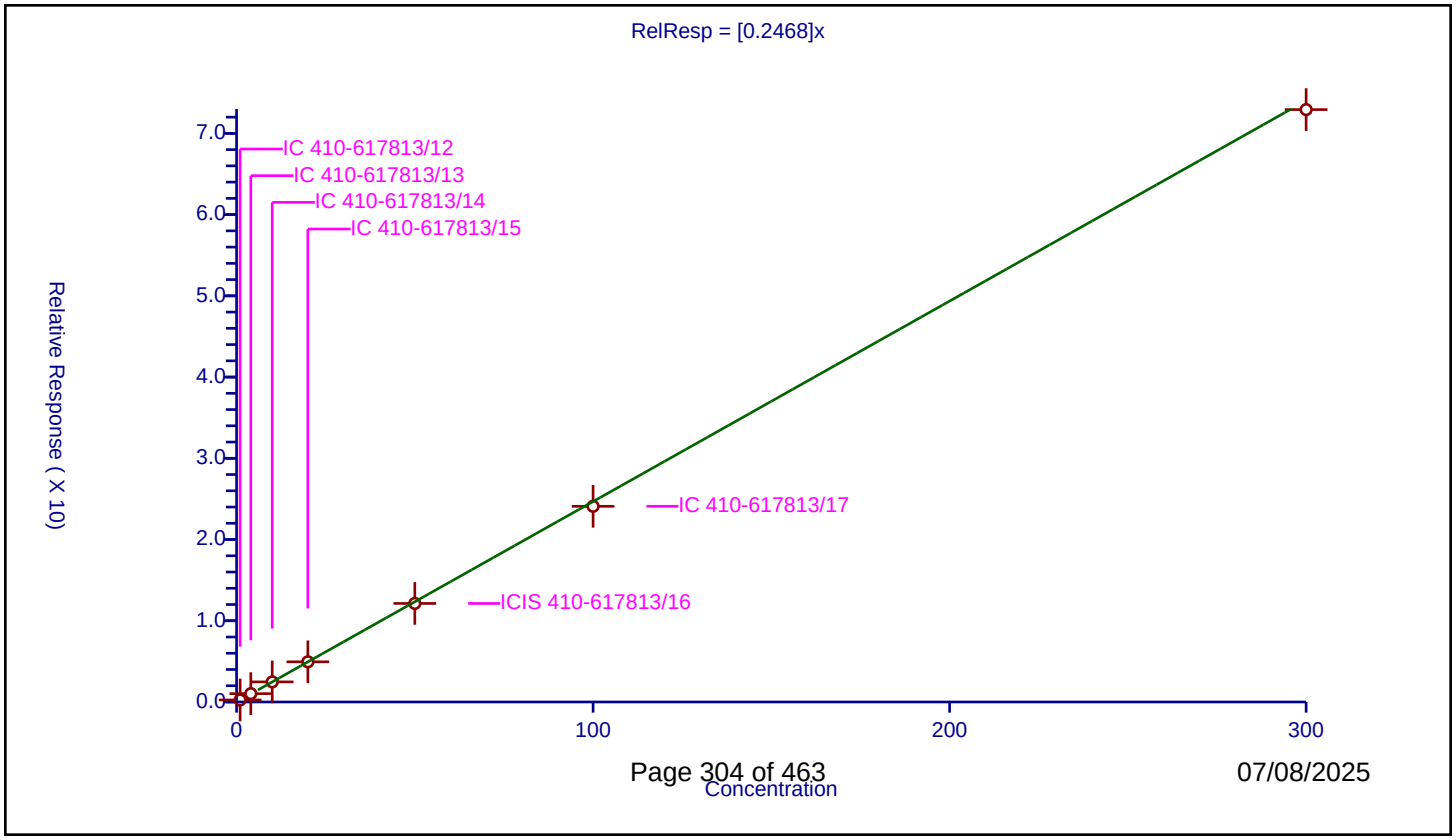
Curve Coefficients

Intercept:	0
Slope:	0.2468

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.249715	50.0	954490.0	0.249715	Y
2	IC 410-617813/13	4.0	1.024801	50.0	926277.0	0.2562	Y
3	IC 410-617813/14	10.0	2.474976	50.0	935989.0	0.247498	Y
4	IC 410-617813/15	20.0	4.94555	50.0	952432.0	0.247277	Y
5	ICIS 410-617813/16	50.0	12.133249	50.0	954497.0	0.242665	Y
6	IC 410-617813/17	100.0	24.090685	50.0	955087.0	0.240907	Y
7	IC 410-617813/18	300.0	72.927669	50.0	992059.0	0.243092	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

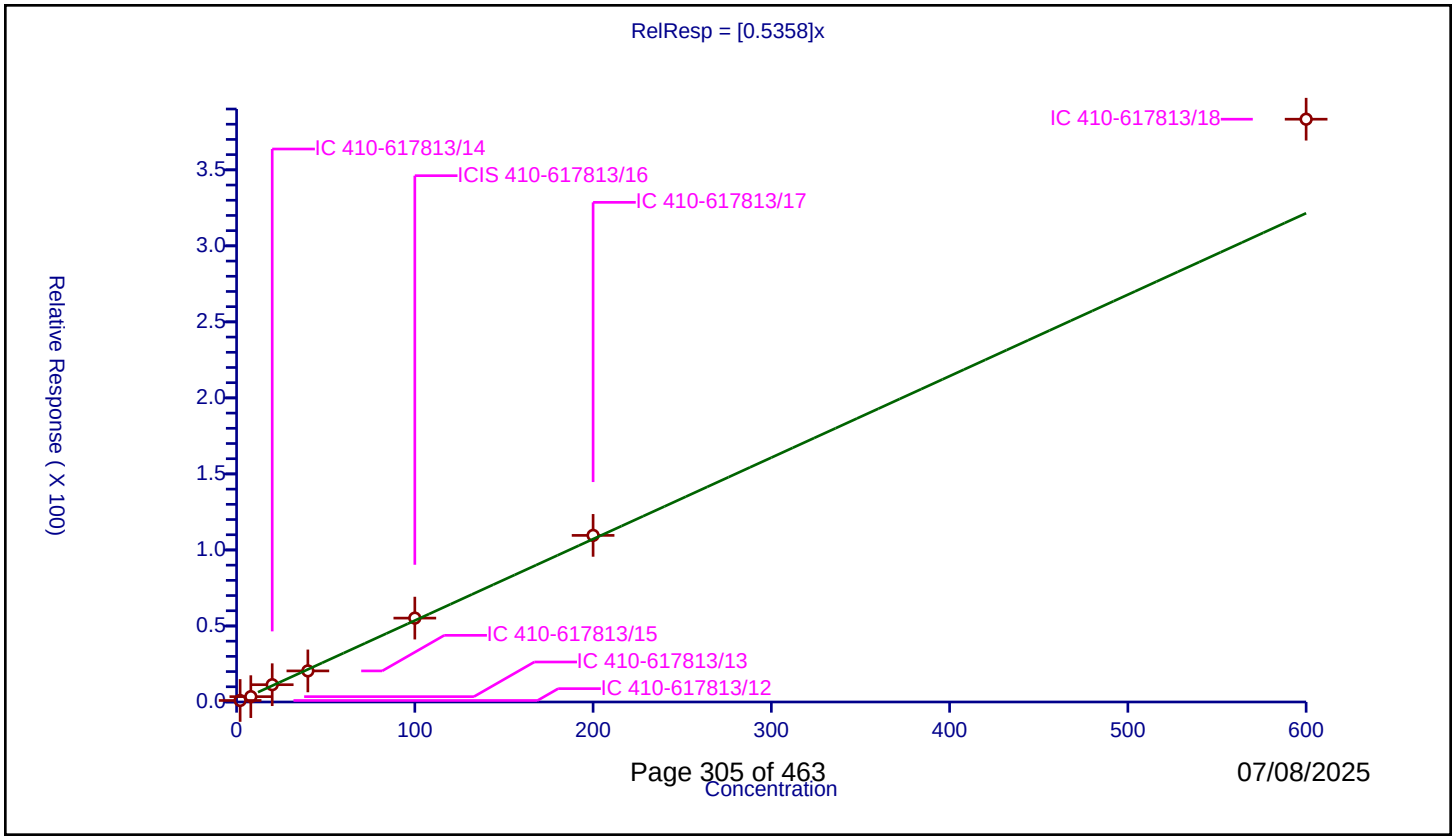
Curve Coefficients

Intercept:	0
Slope:	0.5358

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	2.0	0.988062	250.0	492884.0	0.494031	Y
2	IC 410-617813/13	8.0	3.509046	250.0	506263.0	0.438631	Y
3	IC 410-617813/14	20.0	11.366287	250.0	467259.0	0.568314	Y
4	IC 410-617813/15	40.0	20.44593	250.0	517817.0	0.511148	Y
5	ICIS 410-617813/16	100.0	55.173294	250.0	483744.0	0.551733	Y
6	IC 410-617813/17	200.0	109.577919	250.0	487110.0	0.54789	Y
7	IC 410-617813/18	600.0	383.301798	250.0	418584.0	0.638836	Y



07/08/2025

Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

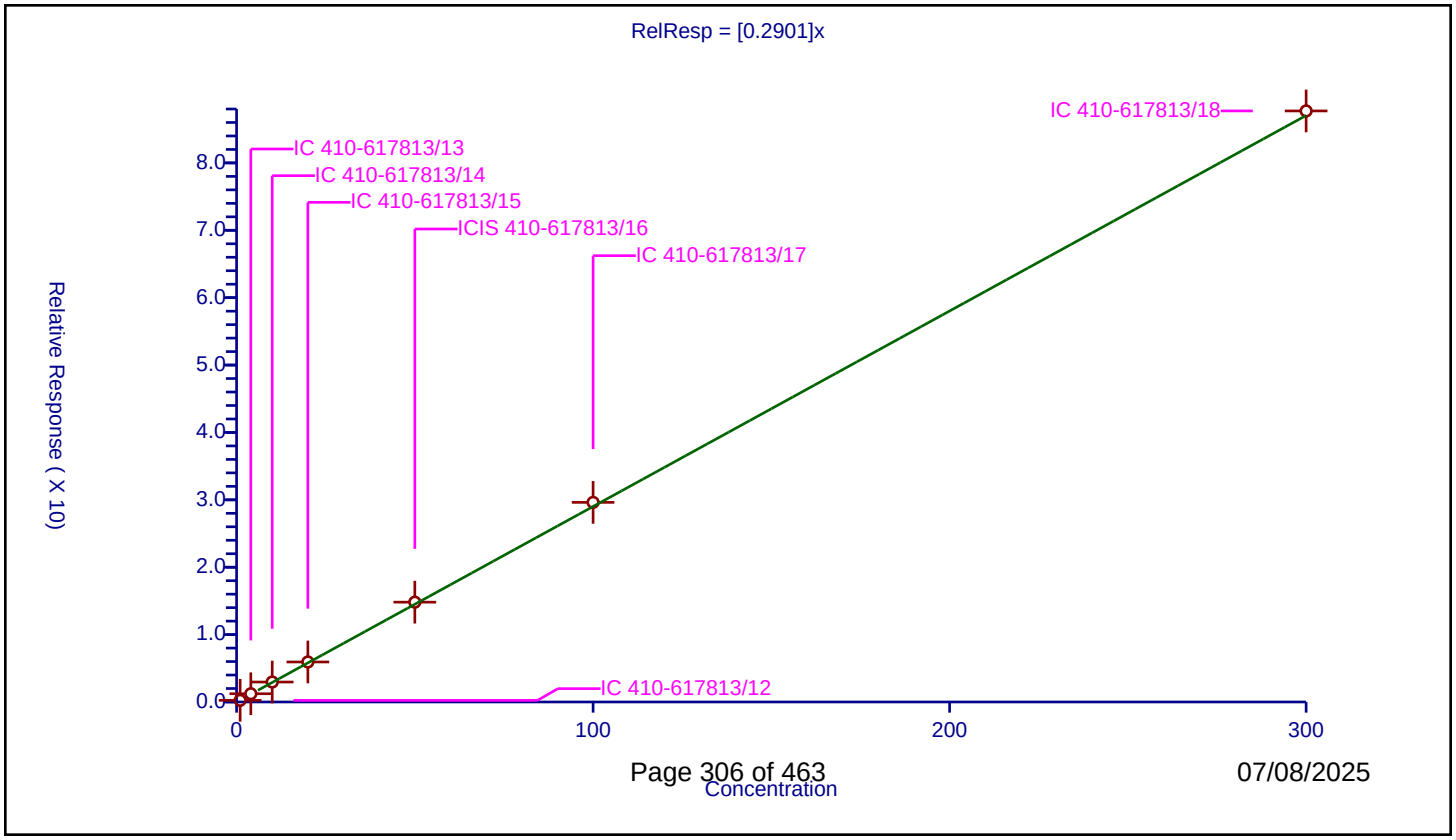
Curve Coefficients

Intercept:	0
Slope:	0.2901

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.246676	50.0	954490.0	0.246676	Y
2	IC 410-617813/13	4.0	1.224526	50.0	926277.0	0.306131	Y
3	IC 410-617813/14	10.0	2.96168	50.0	935989.0	0.296168	Y
4	IC 410-617813/15	20.0	5.939584	50.0	952432.0	0.296979	Y
5	ICIS 410-617813/16	50.0	14.814714	50.0	954497.0	0.296294	Y
6	IC 410-617813/17	100.0	29.623846	50.0	955087.0	0.296238	Y
7	IC 410-617813/18	300.0	87.714743	50.0	992059.0	0.292382	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

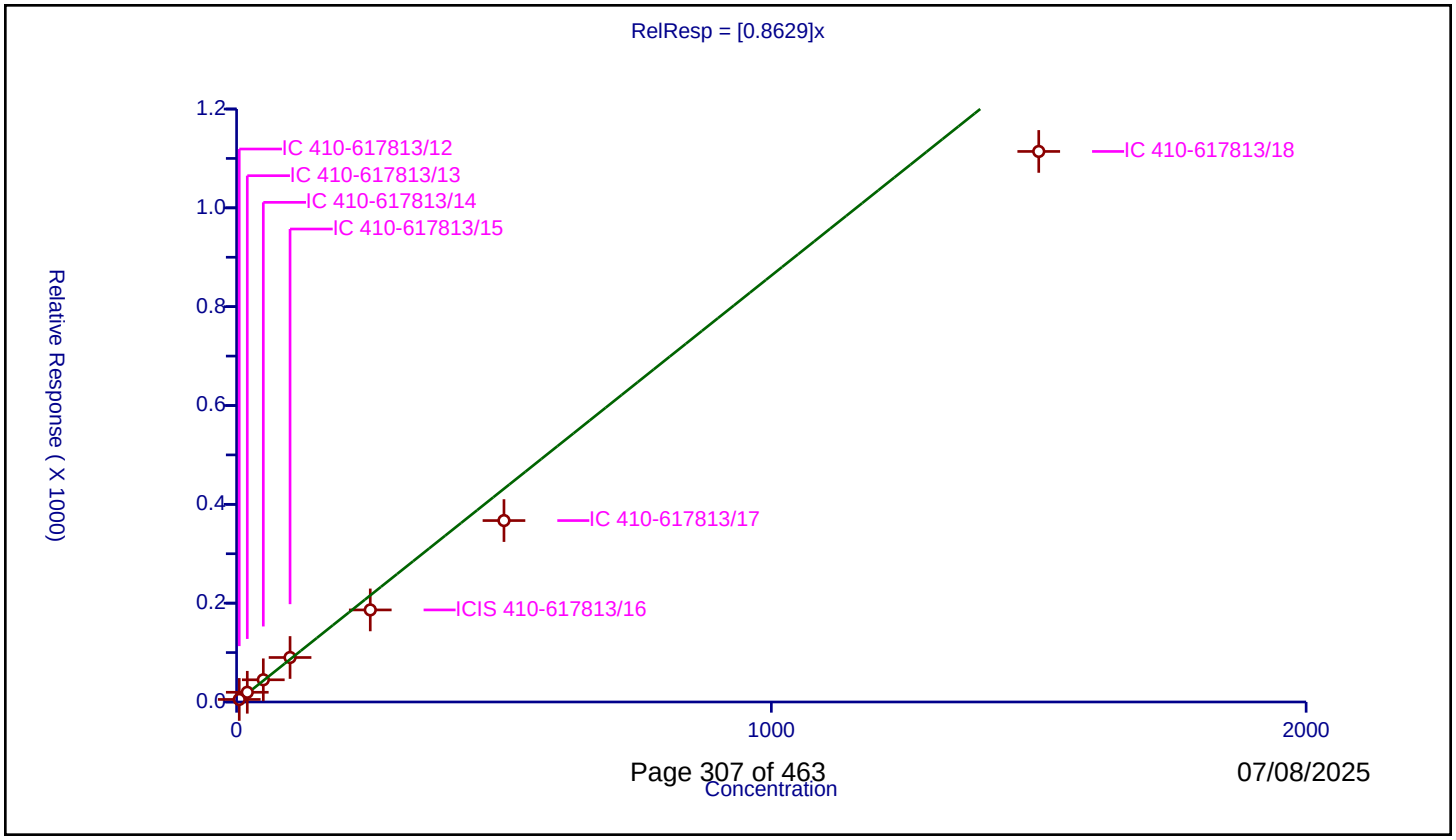
Curve Coefficients

Intercept:	0
Slope:	0.8629

Error Coefficients

Relative Standard Deviation:	14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	5.0	5.171095	250.0	492884.0	1.034219	Y
2	IC 410-617813/13	20.0	19.68542	250.0	506263.0	0.984271	Y
3	IC 410-617813/14	50.0	44.94777	250.0	467259.0	0.898955	Y
4	IC 410-617813/15	100.0	90.05836	250.0	517817.0	0.900584	Y
5	ICIS 410-617813/16	250.0	186.330993	250.0	483744.0	0.745324	Y
6	IC 410-617813/17	500.0	367.168607	250.0	487110.0	0.734337	Y
7	IC 410-617813/18	1500.0	1114.115685	250.0	418584.0	0.742744	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

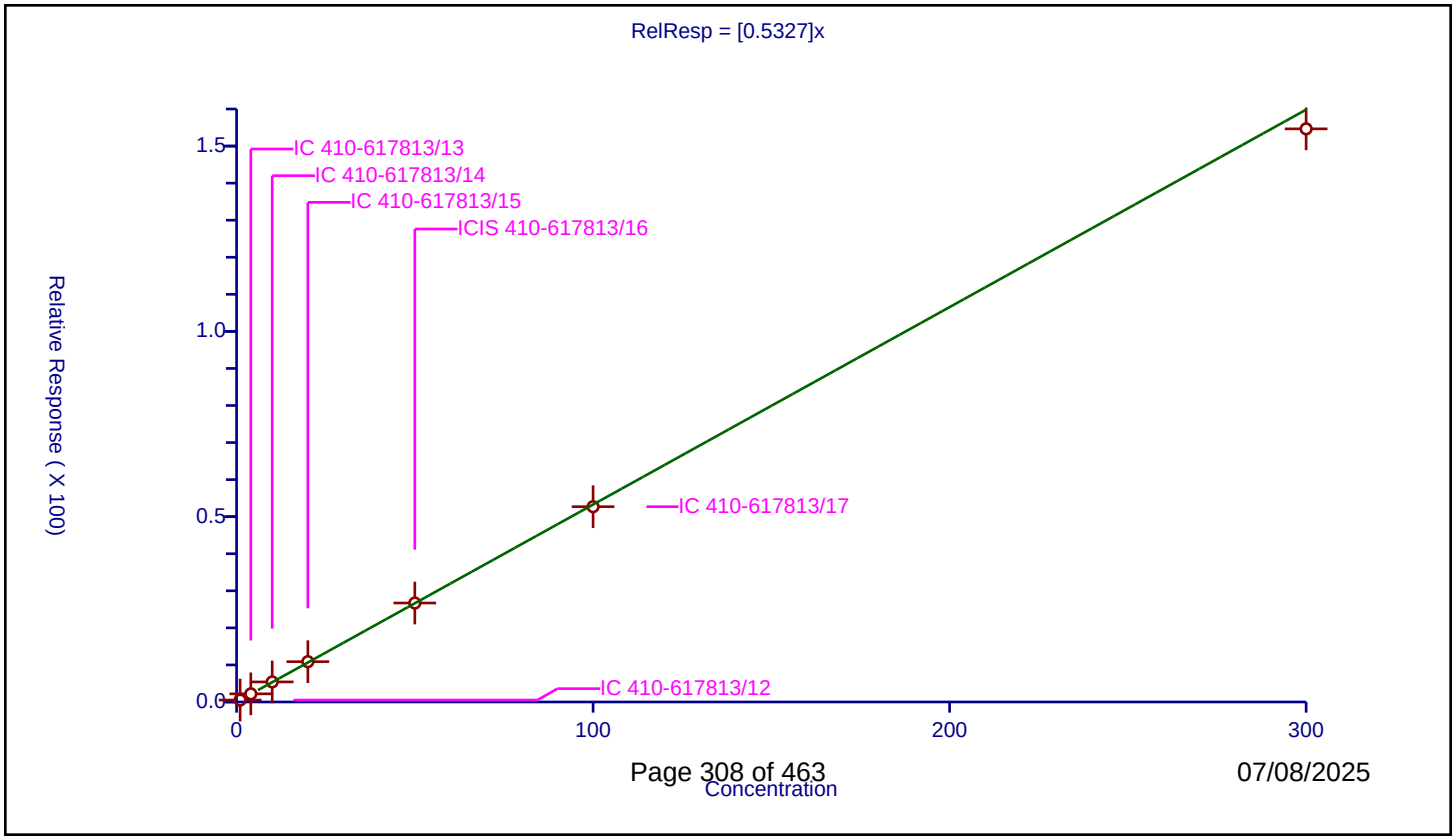
Curve Coefficients

Intercept:	0
Slope:	0.5327

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.519178	50.0	954490.0	0.519178	Y
2	IC 410-617813/13	4.0	2.194646	50.0	926277.0	0.548661	Y
3	IC 410-617813/14	10.0	5.41219	50.0	935989.0	0.541219	Y
4	IC 410-617813/15	20.0	10.8739	50.0	952432.0	0.543695	Y
5	ICIS 410-617813/16	50.0	26.70417	50.0	954497.0	0.534083	Y
6	IC 410-617813/17	100.0	52.69232	50.0	955087.0	0.526923	Y
7	IC 410-617813/18	300.0	154.643978	50.0	992059.0	0.51548	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

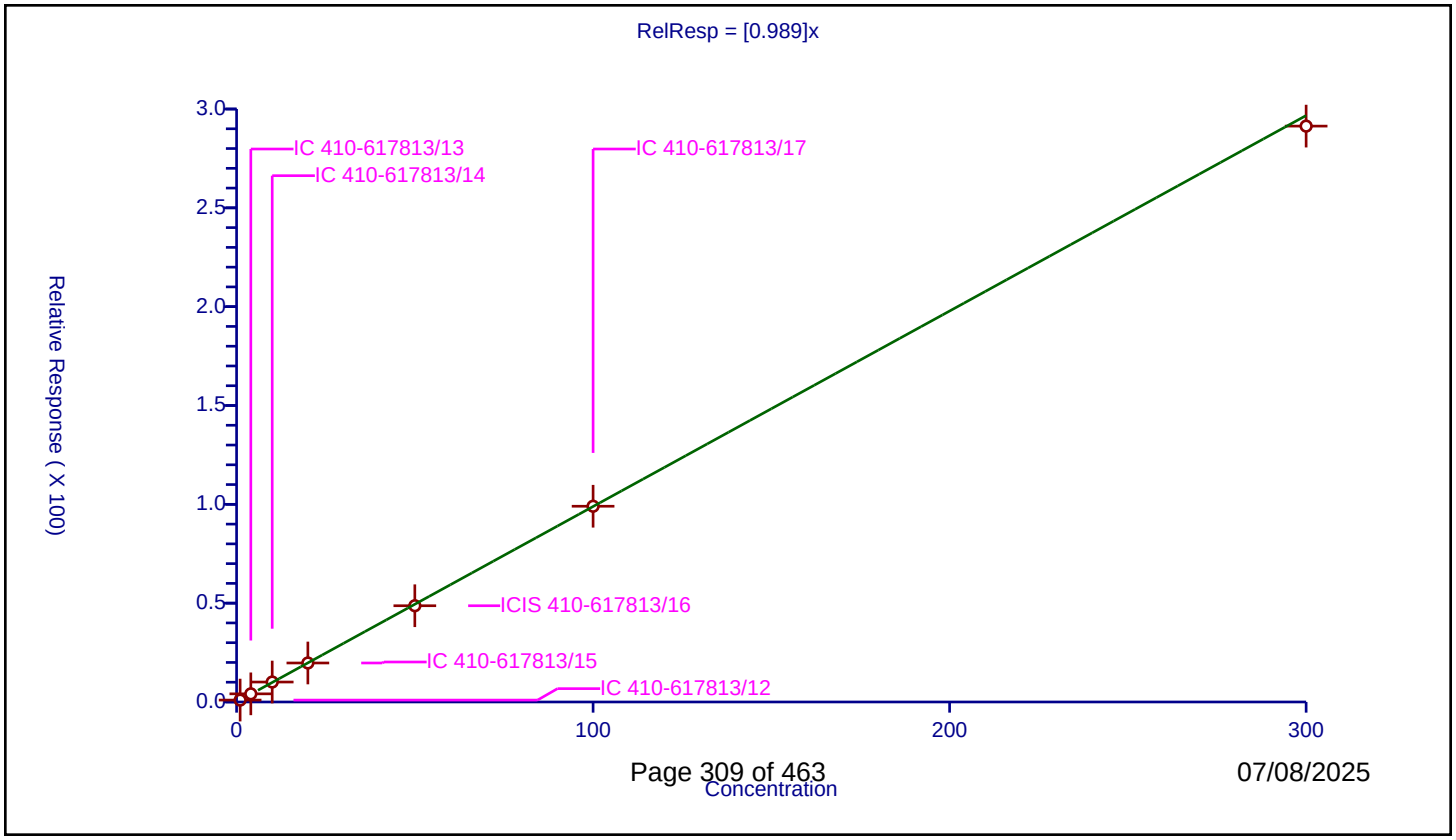
Curve Coefficients

Intercept:	0
Slope:	0.989

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.960303	50.0	954490.0	0.960303	Y
2	IC 410-617813/13	4.0	4.123874	50.0	926277.0	1.030969	Y
3	IC 410-617813/14	10.0	10.099852	50.0	935989.0	1.009985	Y
4	IC 410-617813/15	20.0	19.731592	50.0	952432.0	0.98658	Y
5	ICIS 410-617813/16	50.0	48.691981	50.0	954497.0	0.97384	Y
6	IC 410-617813/17	100.0	99.030612	50.0	955087.0	0.990306	Y
7	IC 410-617813/18	300.0	291.349758	50.0	992059.0	0.971166	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

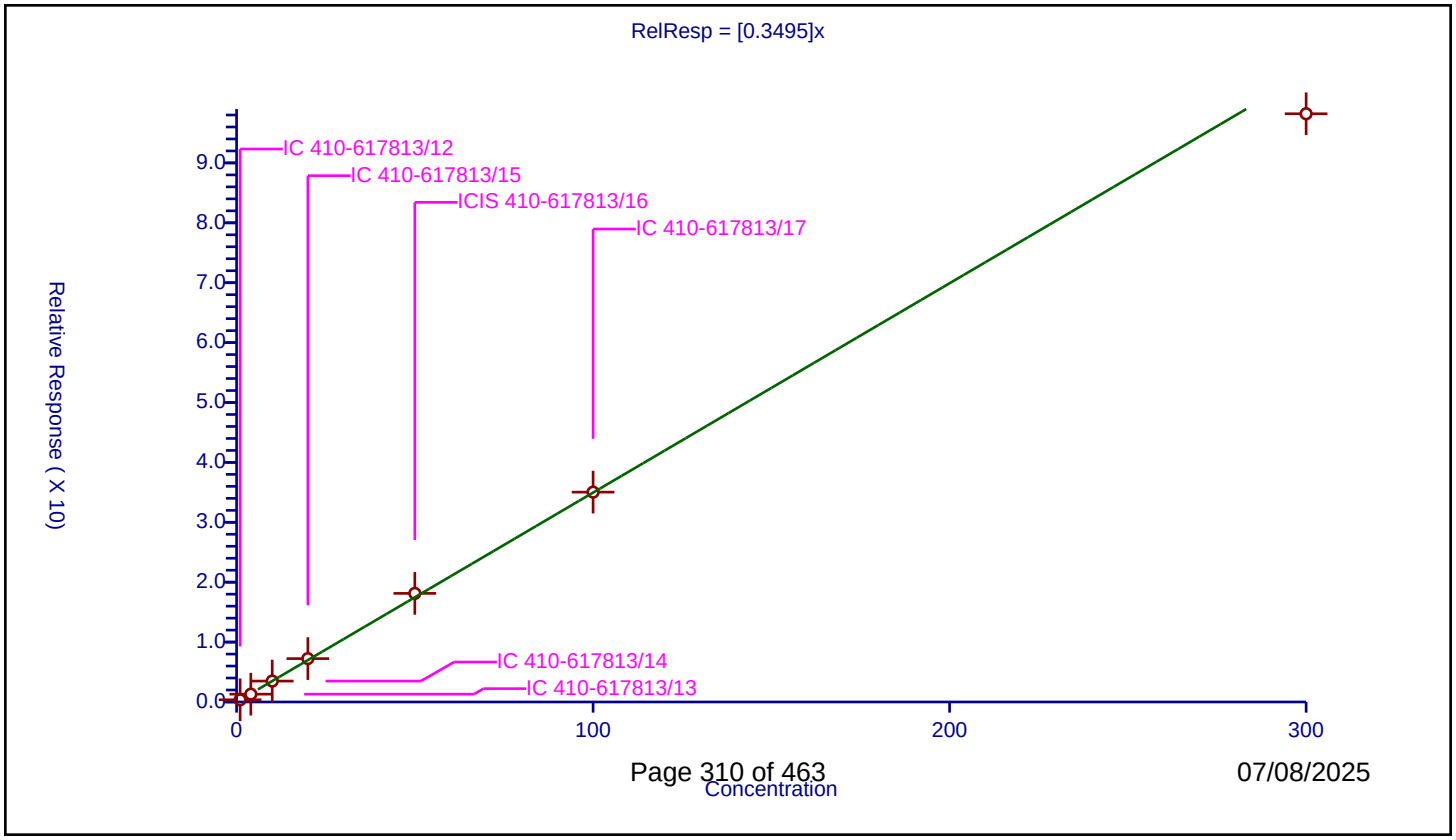
Curve Coefficients

Intercept:	0
Slope:	0.3495

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.368836	50.0	954490.0	0.368836	Y
2	IC 410-617813/13	4.0	1.305117	50.0	926277.0	0.326279	Y
3	IC 410-617813/14	10.0	3.493203	50.0	935989.0	0.34932	Y
4	IC 410-617813/15	20.0	7.241252	50.0	952432.0	0.362063	Y
5	ICIS 410-617813/16	50.0	18.130177	50.0	954497.0	0.362604	Y
6	IC 410-617813/17	100.0	35.03707	50.0	955087.0	0.350371	Y
7	IC 410-617813/18	300.0	98.209683	50.0	992059.0	0.327366	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

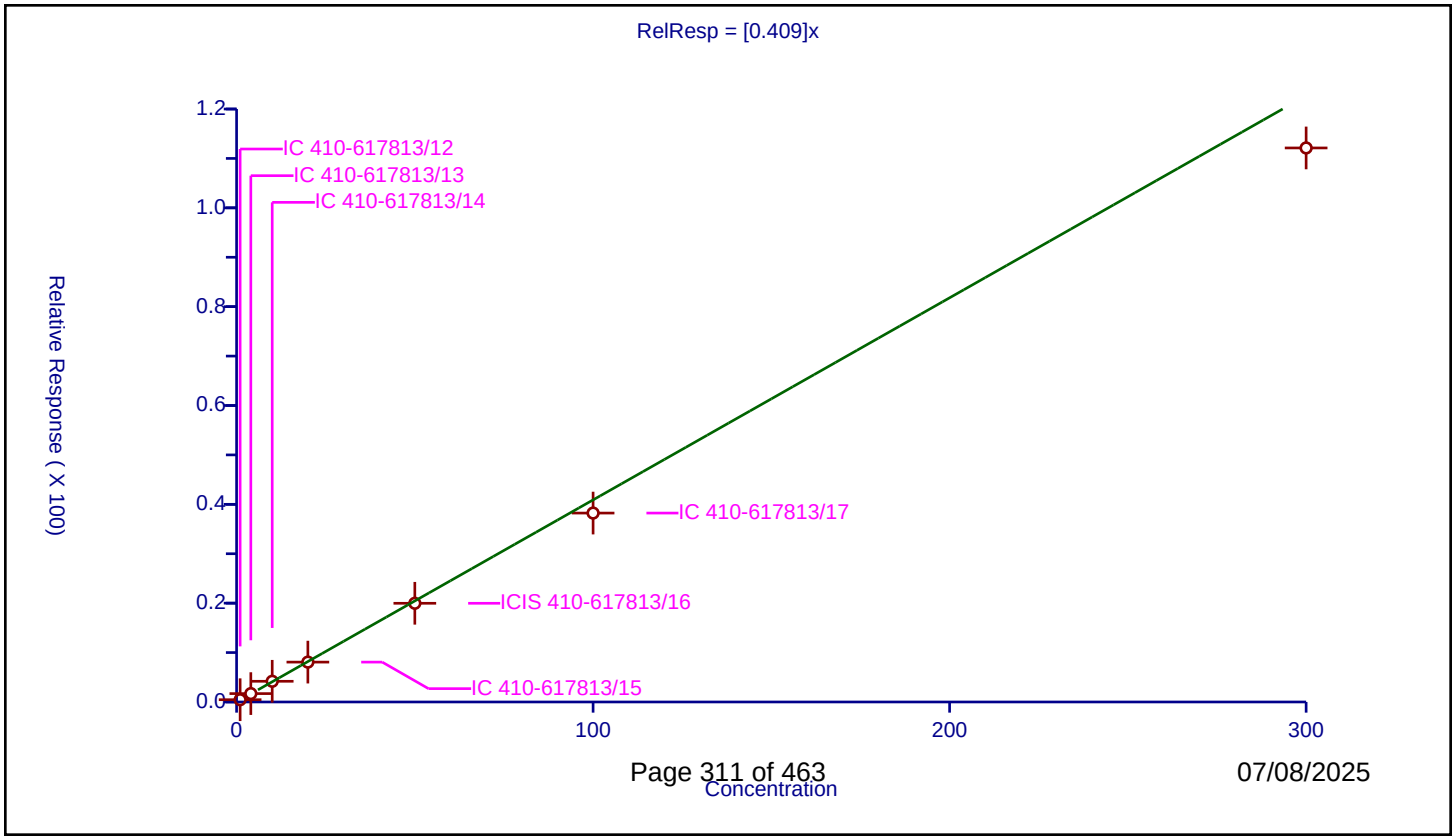
Curve Coefficients

Intercept:	0
Slope:	0.409

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.459984	50.0	954490.0	0.459984	Y
2	IC 410-617813/13	4.0	1.699546	50.0	926277.0	0.424886	Y
3	IC 410-617813/14	10.0	4.188831	50.0	935989.0	0.418883	Y
4	IC 410-617813/15	20.0	8.067925	50.0	952432.0	0.403396	Y
5	ICIS 410-617813/16	50.0	19.977538	50.0	954497.0	0.399551	Y
6	IC 410-617813/17	100.0	38.233533	50.0	955087.0	0.382335	Y
7	IC 410-617813/18	300.0	112.1207	50.0	992059.0	0.373736	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

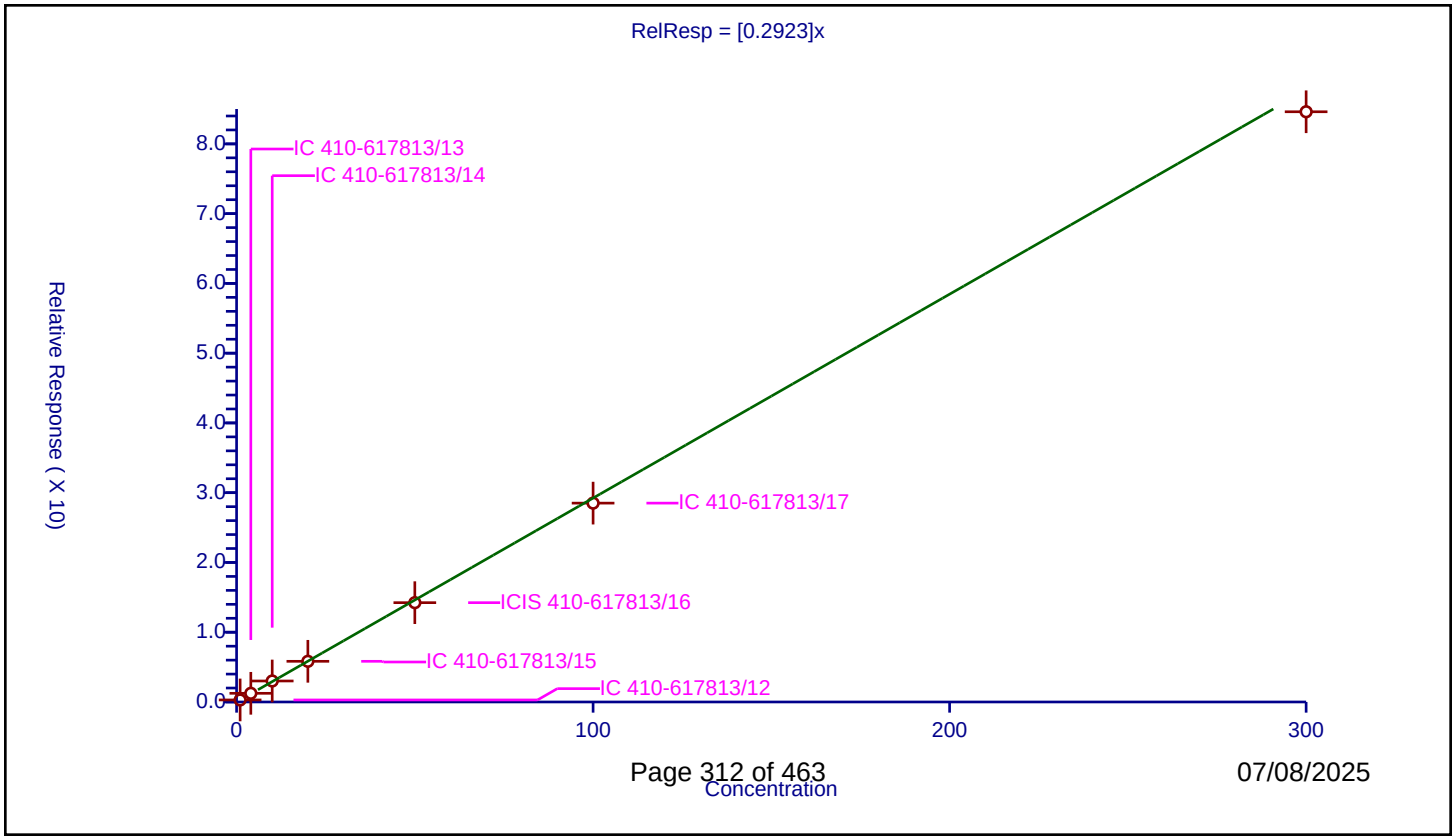
Curve Coefficients

Intercept:	0
Slope:	0.2923

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.291045	50.0	954490.0	0.291045	Y
2	IC 410-617813/13	4.0	1.242825	50.0	926277.0	0.310706	Y
3	IC 410-617813/14	10.0	3.009544	50.0	935989.0	0.300954	Y
4	IC 410-617813/15	20.0	5.83018	50.0	952432.0	0.291509	Y
5	ICIS 410-617813/16	50.0	14.236818	50.0	954497.0	0.284736	Y
6	IC 410-617813/17	100.0	28.506042	50.0	955087.0	0.28506	Y
7	IC 410-617813/18	300.0	84.607821	50.0	992059.0	0.282026	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

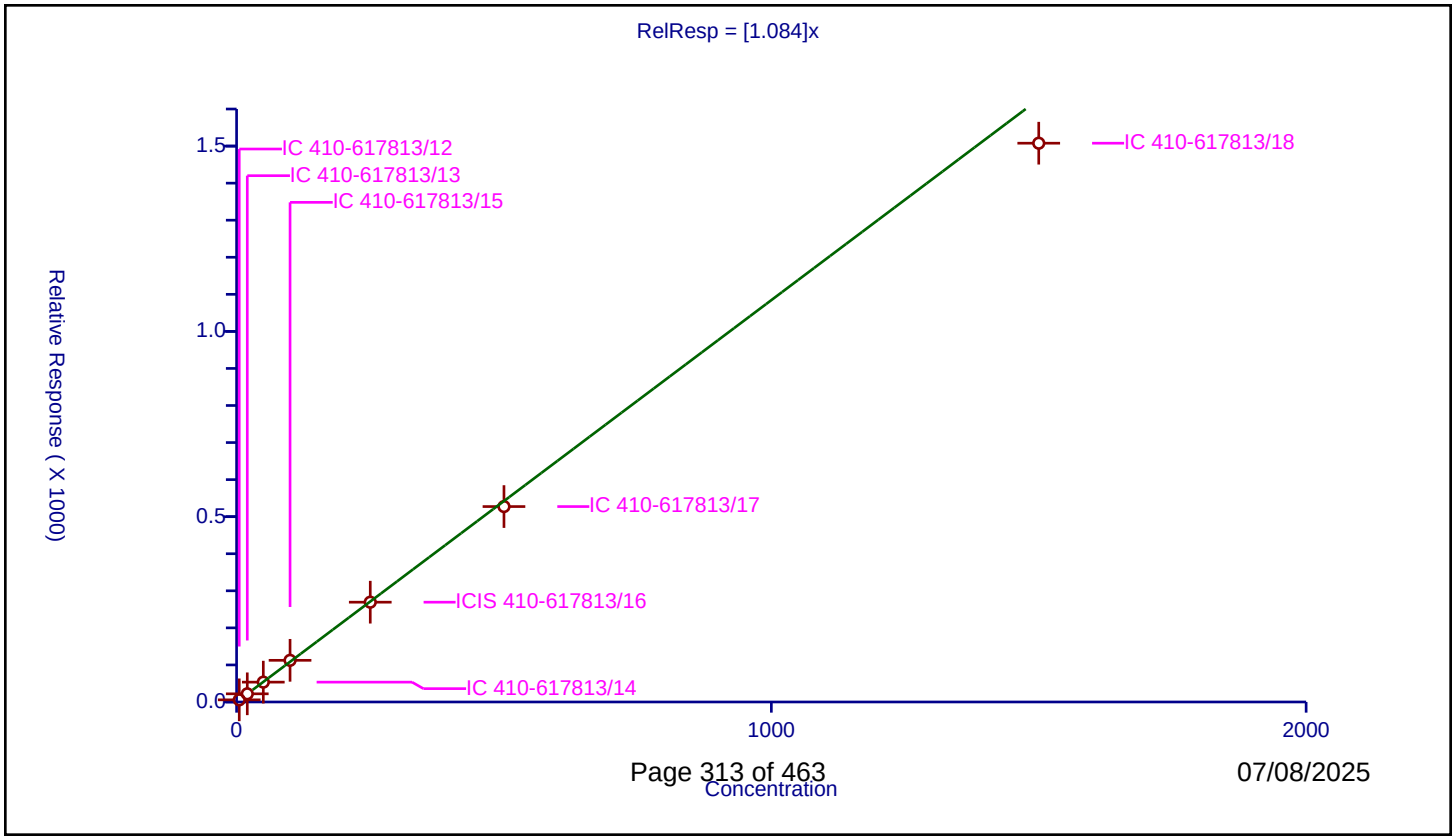
Curve Coefficients

Intercept:	0
Slope:	1.084

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	5.0	5.780265	250.0	492884.0	1.156053	Y
2	IC 410-617813/13	20.0	22.022644	250.0	506263.0	1.101132	Y
3	IC 410-617813/14	50.0	53.604639	250.0	467259.0	1.072093	Y
4	IC 410-617813/15	100.0	112.392988	250.0	517817.0	1.12393	Y
5	ICIS 410-617813/16	250.0	269.294813	250.0	483744.0	1.077179	Y
6	IC 410-617813/17	500.0	527.347006	250.0	487110.0	1.054694	Y
7	IC 410-617813/18	1500.0	1507.746952	250.0	418584.0	1.005165	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

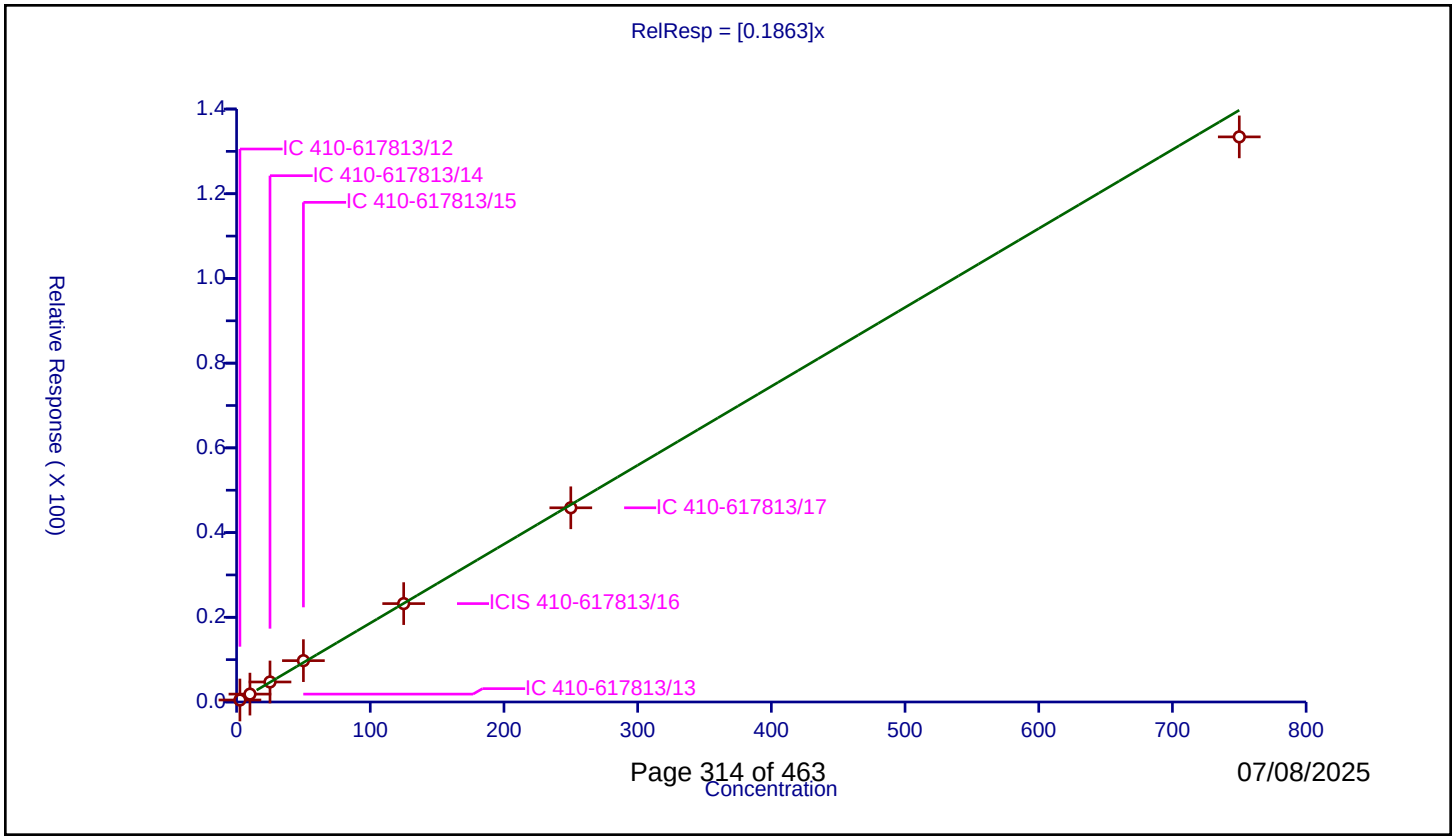
Curve Coefficients

Intercept:	0
Slope:	0.1863

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	2.5	0.466479	50.0	954490.0	0.186592	Y
2	IC 410-617813/13	10.0	1.861538	50.0	926277.0	0.186154	Y
3	IC 410-617813/14	25.0	4.725162	50.0	935989.0	0.189006	Y
4	IC 410-617813/15	50.0	9.759542	50.0	952432.0	0.195191	Y
5	ICIS 410-617813/16	125.0	23.231555	50.0	954497.0	0.185852	Y
6	IC 410-617813/17	250.0	45.850587	50.0	955087.0	0.183402	Y
7	IC 410-617813/18	750.0	133.421399	50.0	992059.0	0.177895	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

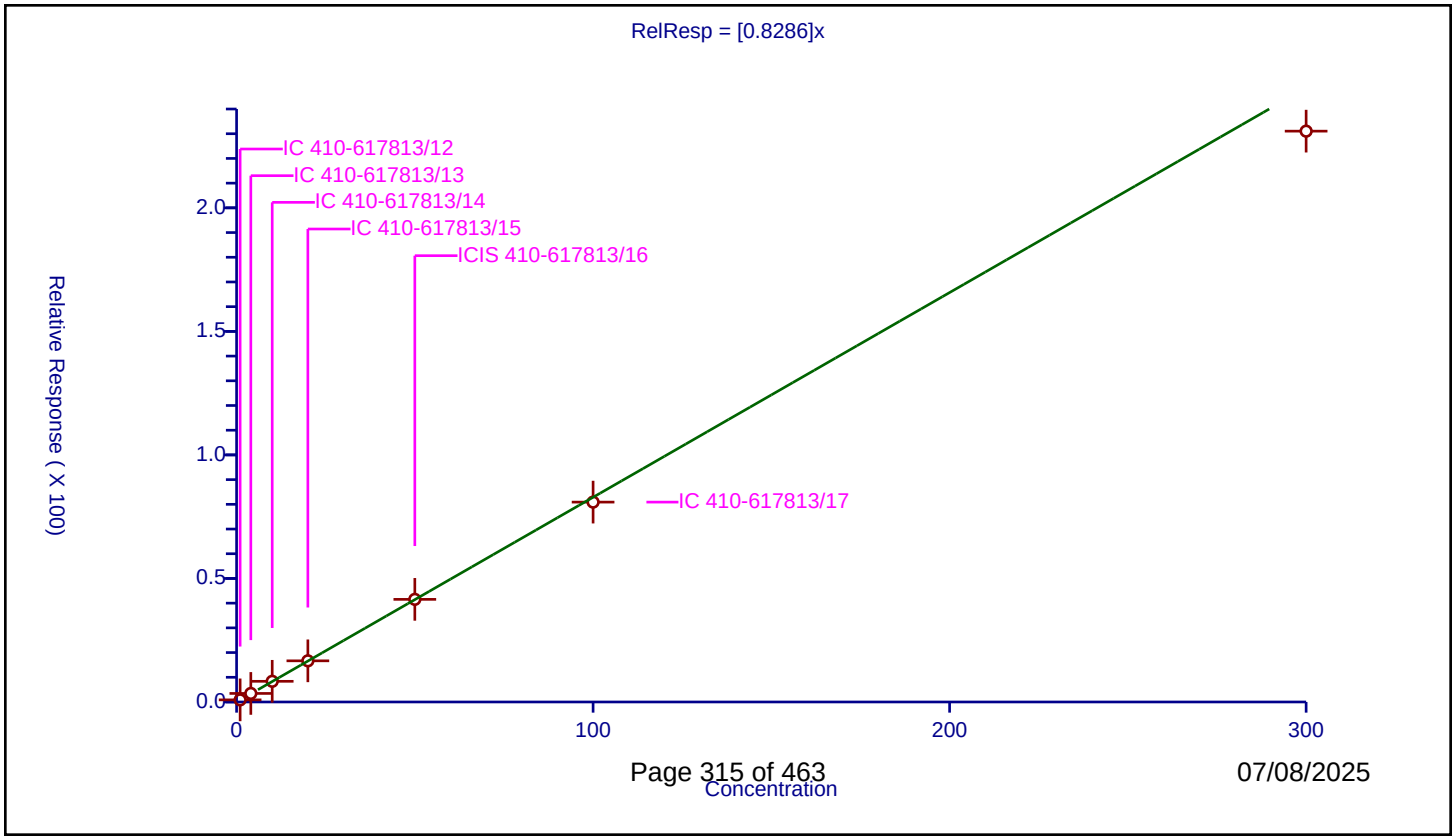
Curve Coefficients

Intercept:	0
Slope:	0.8286

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.855012	50.0	954490.0	0.855012	Y
2	IC 410-617813/13	4.0	3.46106	50.0	926277.0	0.865265	Y
3	IC 410-617813/14	10.0	8.368581	50.0	935989.0	0.836858	Y
4	IC 410-617813/15	20.0	16.657515	50.0	952432.0	0.832876	Y
5	ICIS 410-617813/16	50.0	41.541775	50.0	954497.0	0.830836	Y
6	IC 410-617813/17	100.0	80.904357	50.0	955087.0	0.809044	Y
7	IC 410-617813/18	300.0	231.041299	50.0	992059.0	0.770138	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

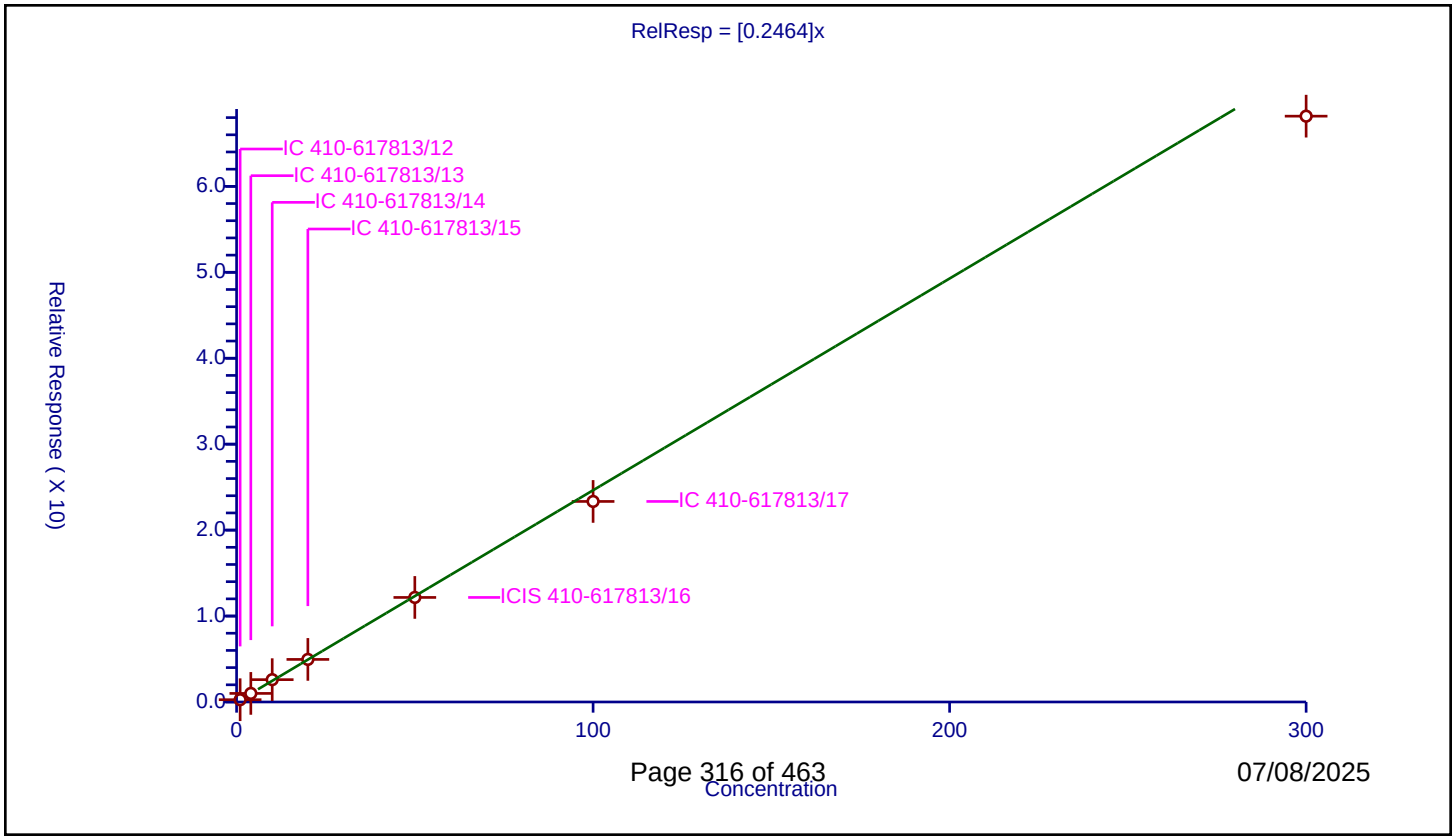
Curve Coefficients

Intercept:	0
Slope:	0.2464

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.263963	50.0	954490.0	0.263963	Y
2	IC 410-617813/13	4.0	0.99738	50.0	926277.0	0.249345	Y
3	IC 410-617813/14	10.0	2.598107	50.0	935989.0	0.259811	Y
4	IC 410-617813/15	20.0	4.95311	50.0	952432.0	0.247655	Y
5	ICIS 410-617813/16	50.0	12.165622	50.0	954497.0	0.243312	Y
6	IC 410-617813/17	100.0	23.335413	50.0	955087.0	0.233354	Y
7	IC 410-617813/18	300.0	68.168274	50.0	992059.0	0.227228	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

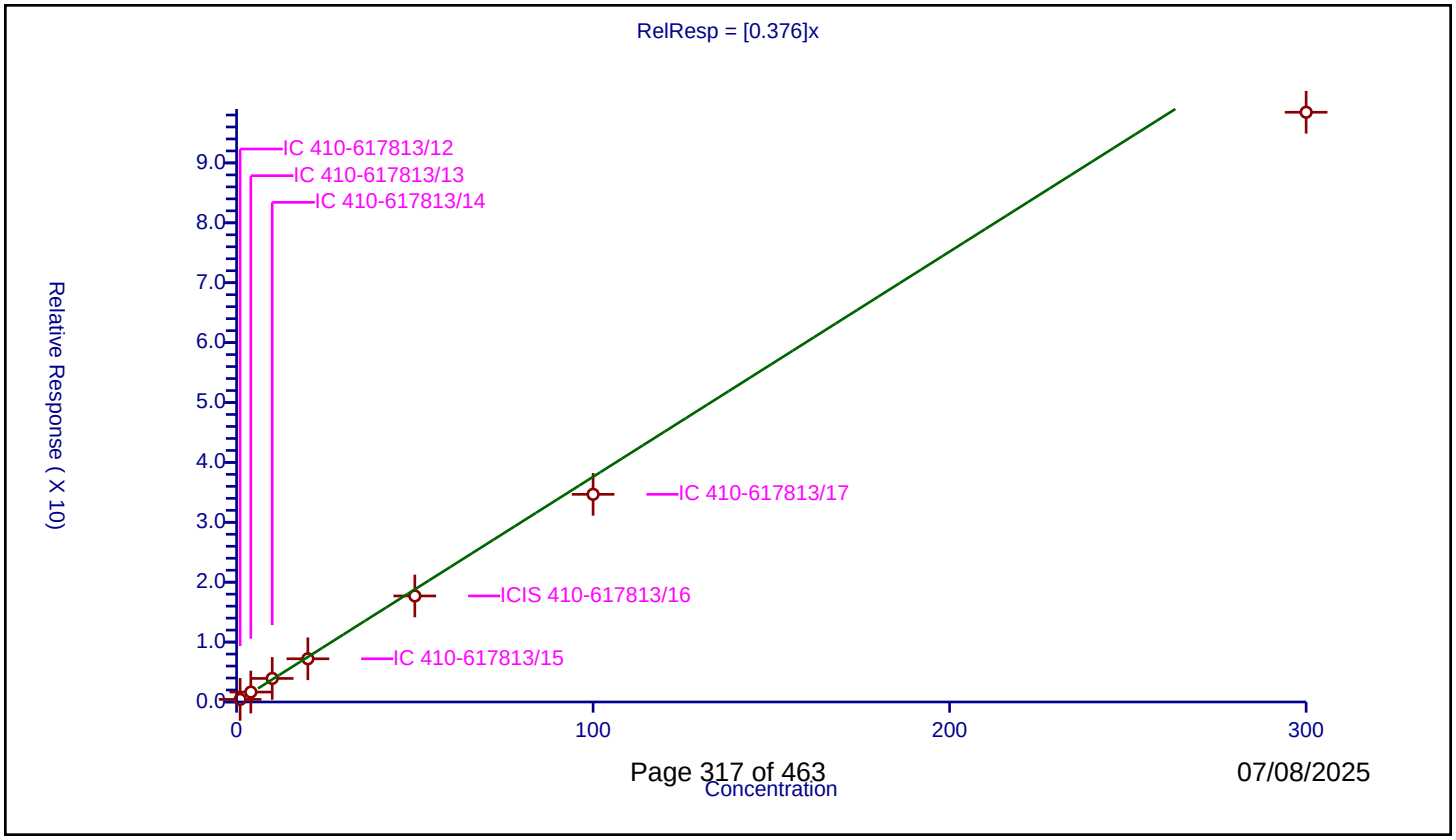
Curve Coefficients

Intercept:	0
Slope:	0.376

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.433582	50.0	954490.0	0.433582	Y
2	IC 410-617813/13	4.0	1.659817	50.0	926277.0	0.414954	Y
3	IC 410-617813/14	10.0	3.935196	50.0	935989.0	0.39352	Y
4	IC 410-617813/15	20.0	7.215476	50.0	952432.0	0.360774	Y
5	ICIS 410-617813/16	50.0	17.704351	50.0	954497.0	0.354087	Y
6	IC 410-617813/17	100.0	34.668884	50.0	955087.0	0.346689	Y
7	IC 410-617813/18	300.0	98.461886	50.0	992059.0	0.328206	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

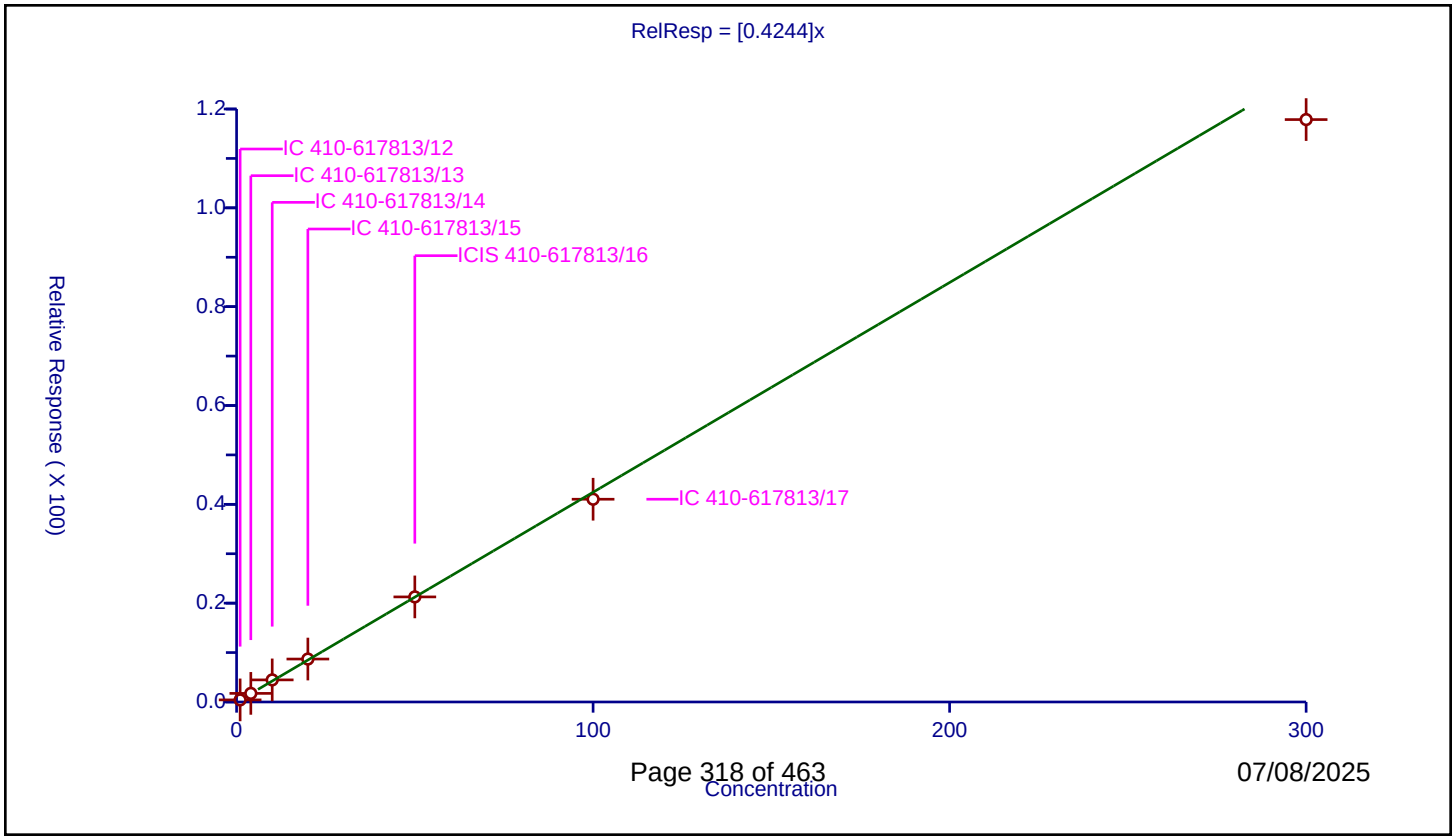
Curve Coefficients

Intercept:	0
Slope:	0.4244

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.424939	50.0	954490.0	0.424939	Y
2	IC 410-617813/13	4.0	1.742891	50.0	926277.0	0.435723	Y
3	IC 410-617813/14	10.0	4.472542	50.0	935989.0	0.447254	Y
4	IC 410-617813/15	20.0	8.691434	50.0	952432.0	0.434572	Y
5	ICIS 410-617813/16	50.0	21.267432	50.0	954497.0	0.425349	Y
6	IC 410-617813/17	100.0	41.033906	50.0	955087.0	0.410339	Y
7	IC 410-617813/18	300.0	117.862899	50.0	992059.0	0.392876	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

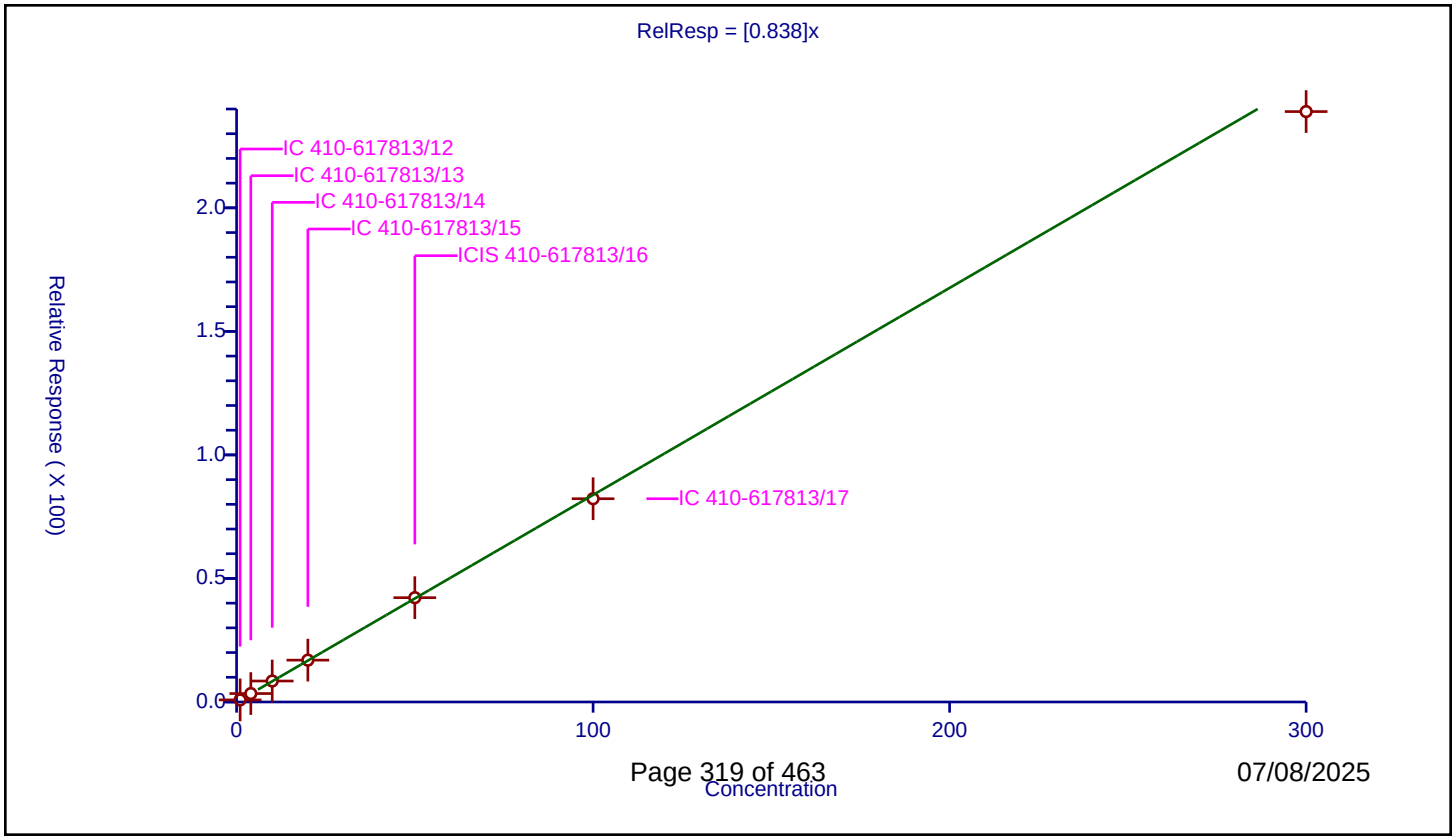
Curve Coefficients

Intercept:	0
Slope:	0.838

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.851449	50.0	954490.0	0.851449	Y
2	IC 410-617813/13	4.0	3.420845	50.0	926277.0	0.855211	Y
3	IC 410-617813/14	10.0	8.486745	50.0	935989.0	0.848675	Y
4	IC 410-617813/15	20.0	16.939162	50.0	952432.0	0.846958	Y
5	ICIS 410-617813/16	50.0	42.217838	50.0	954497.0	0.844357	Y
6	IC 410-617813/17	100.0	82.26638	50.0	955087.0	0.822664	Y
7	IC 410-617813/18	300.0	238.963459	50.0	992059.0	0.796545	Y



Calibration / 2-Chloro-1,3-butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

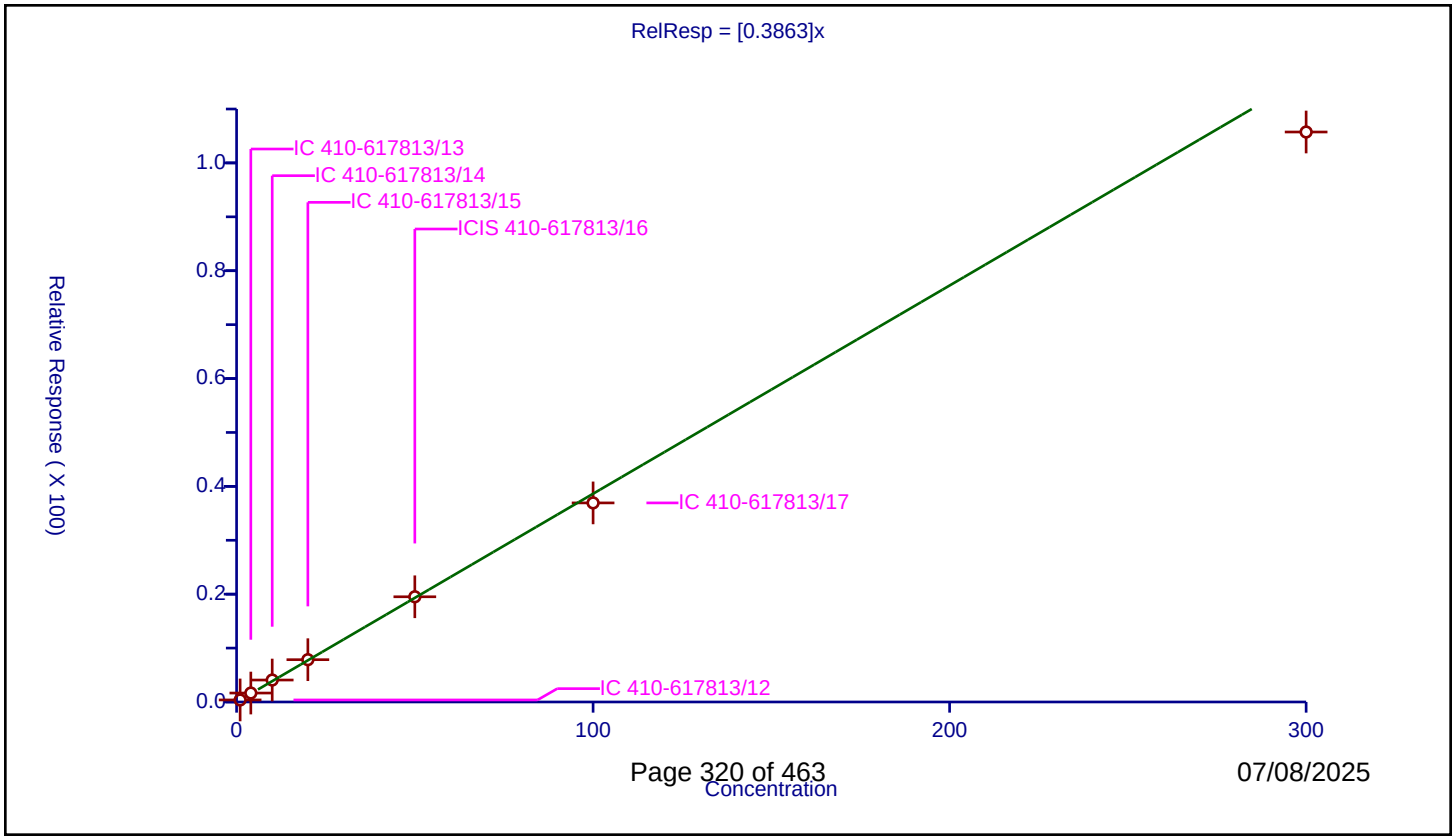
Curve Coefficients

Intercept:	0
Slope:	0.3863

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.377479	50.0	954490.0	0.377479	Y
2	IC 410-617813/13	4.0	1.660356	50.0	926277.0	0.415089	Y
3	IC 410-617813/14	10.0	4.071629	50.0	935989.0	0.407163	Y
4	IC 410-617813/15	20.0	7.845652	50.0	952432.0	0.392283	Y
5	ICIS 410-617813/16	50.0	19.515724	50.0	954497.0	0.390314	Y
6	IC 410-617813/17	100.0	36.931714	50.0	955087.0	0.369317	Y
7	IC 410-617813/18	300.0	105.73736	50.0	992059.0	0.352458	Y



Calibration / Tert-butyl ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

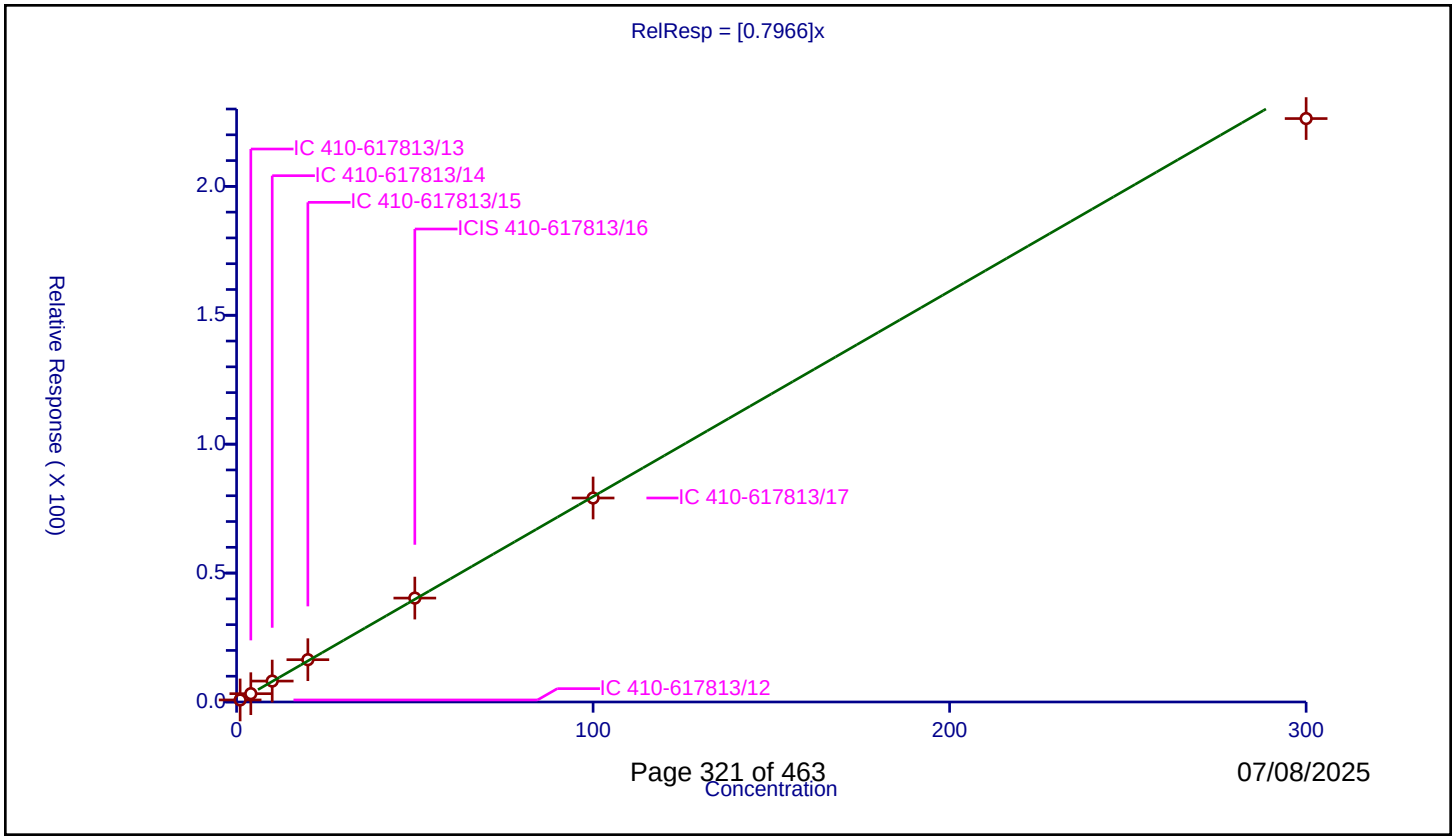
Curve Coefficients

Intercept:	0
Slope:	0.7966

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.786284	50.0	954490.0	0.786284	Y
2	IC 410-617813/13	4.0	3.225709	50.0	926277.0	0.806427	Y
3	IC 410-617813/14	10.0	8.114625	50.0	935989.0	0.811463	Y
4	IC 410-617813/15	20.0	16.407051	50.0	952432.0	0.820353	Y
5	ICIS 410-617813/16	50.0	40.30657	50.0	954497.0	0.806131	Y
6	IC 410-617813/17	100.0	79.117452	50.0	955087.0	0.791175	Y
7	IC 410-617813/18	300.0	226.299948	50.0	992059.0	0.754333	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

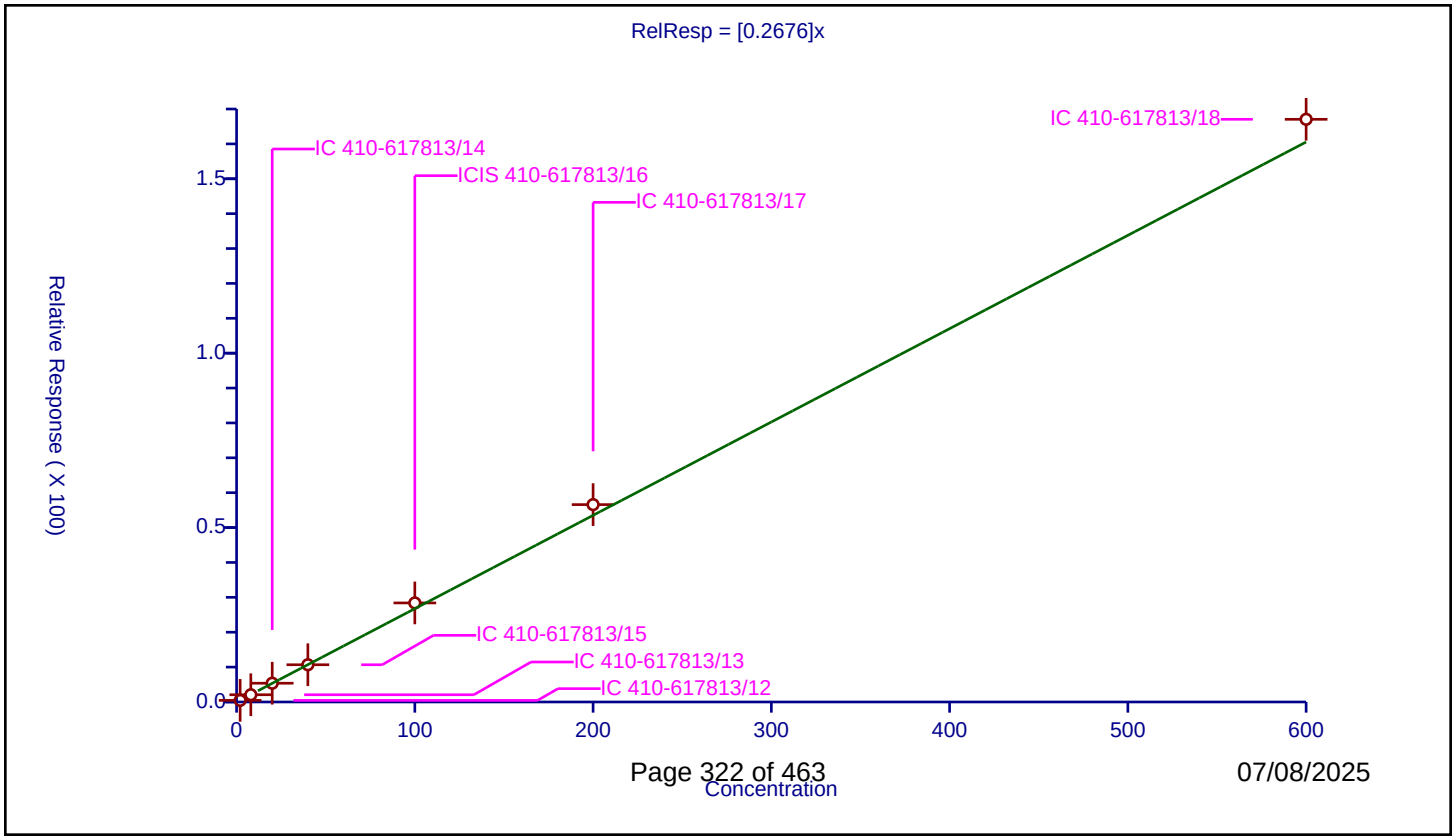
Curve Coefficients

Intercept:	0
Slope:	0.2676

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	2.0	0.465537	50.0	954490.0	0.232768	Y
2	IC 410-617813/13	8.0	2.071842	50.0	926277.0	0.25898	Y
3	IC 410-617813/14	20.0	5.380993	50.0	935989.0	0.26905	Y
4	IC 410-617813/15	40.0	10.67735	50.0	952432.0	0.266934	Y
5	ICIS 410-617813/16	100.0	28.394537	50.0	954497.0	0.283945	Y
6	IC 410-617813/17	200.0	56.58563	50.0	955087.0	0.282928	Y
7	IC 410-617813/18	600.0	167.047071	50.0	992059.0	0.278412	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

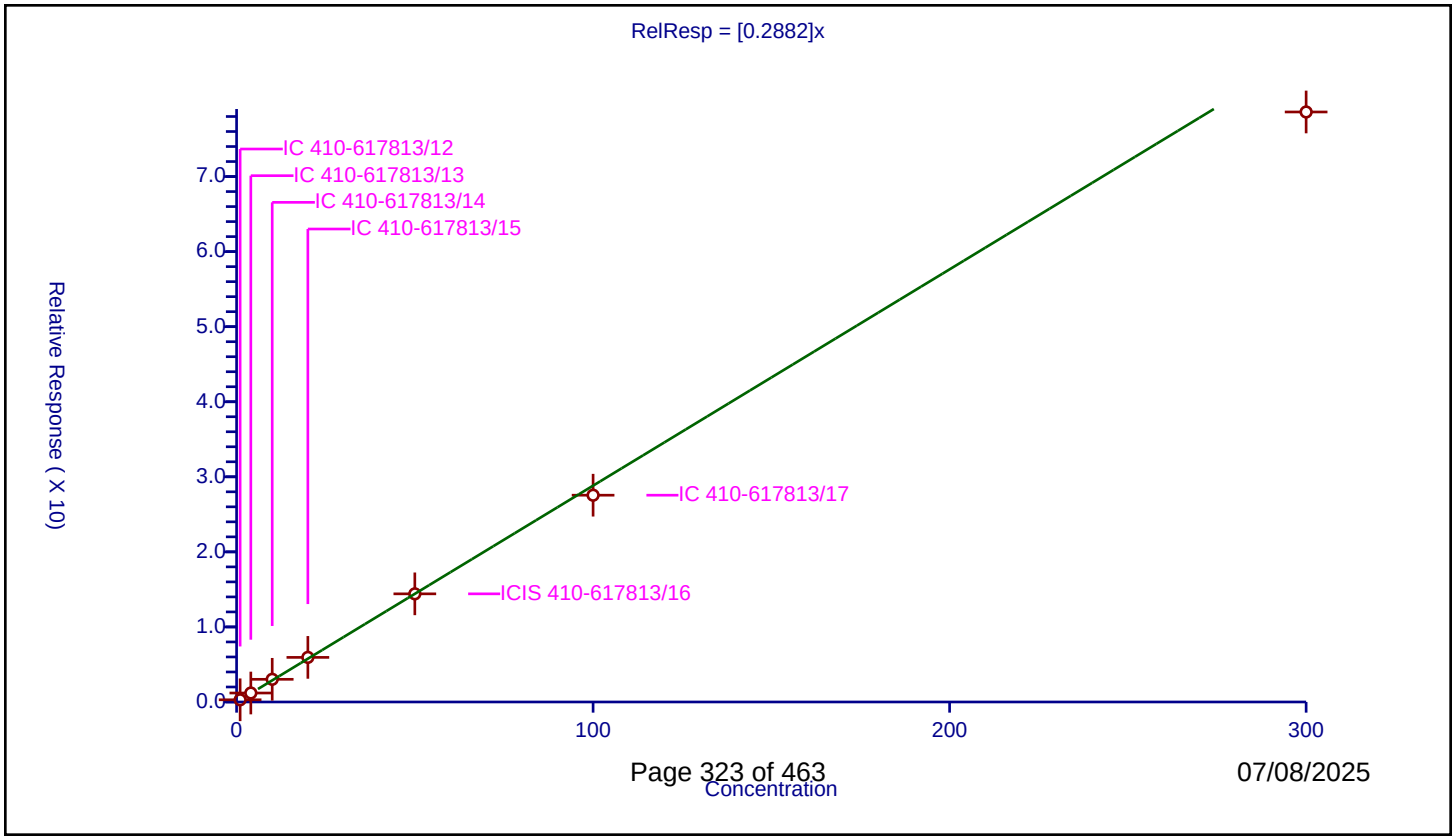
Curve Coefficients

Intercept:	0
Slope:	0.2882

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.293036	50.0	954490.0	0.293036	Y
2	IC 410-617813/13	4.0	1.197104	50.0	926277.0	0.299276	Y
3	IC 410-617813/14	10.0	3.023059	50.0	935989.0	0.302306	Y
4	IC 410-617813/15	20.0	5.942209	50.0	952432.0	0.29711	Y
5	ICIS 410-617813/16	50.0	14.406698	50.0	954497.0	0.288134	Y
6	IC 410-617813/17	100.0	27.550108	50.0	955087.0	0.275501	Y
7	IC 410-617813/18	300.0	78.607018	50.0	992059.0	0.262023	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

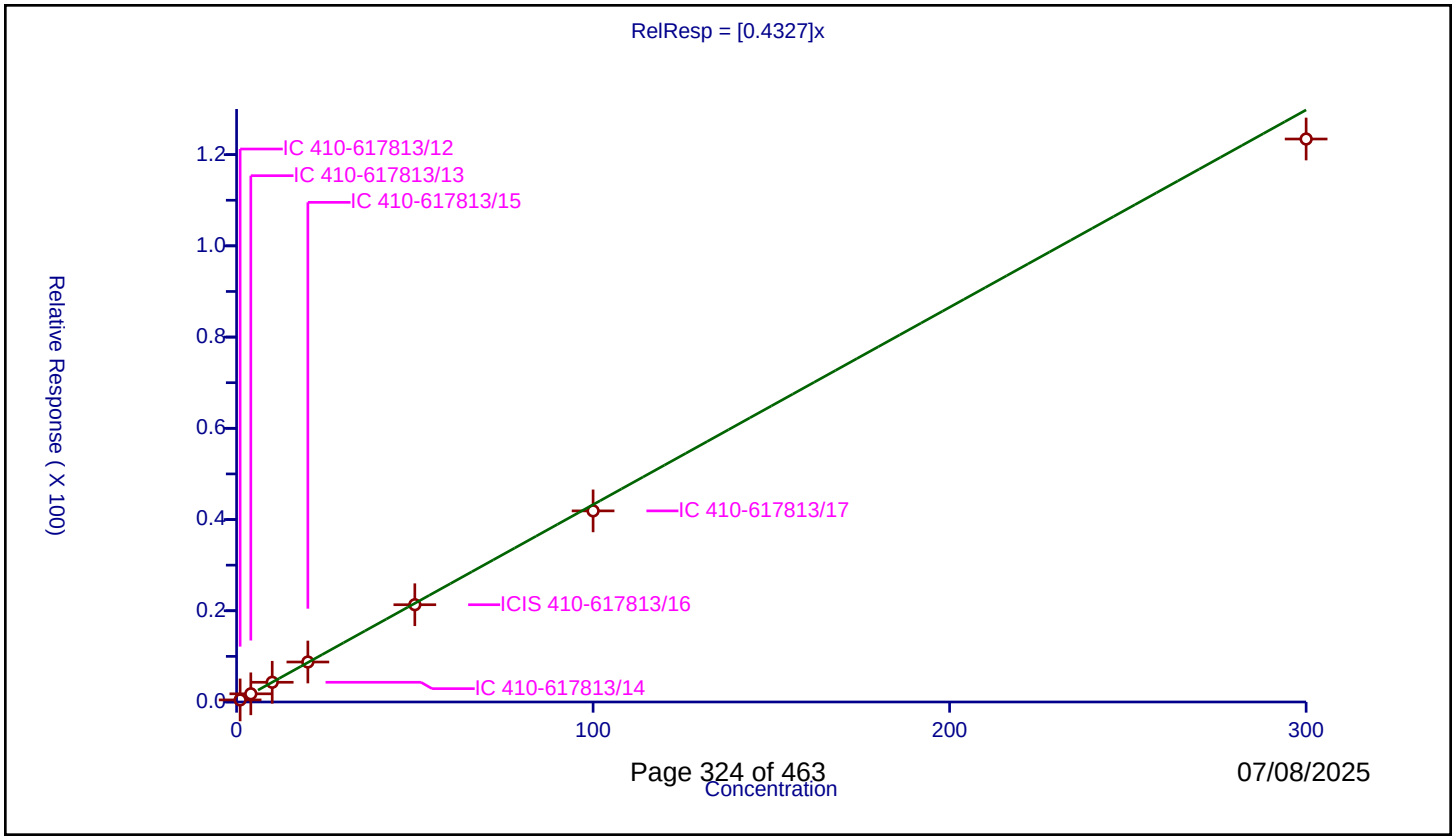
Curve Coefficients

Intercept:	0
Slope:	0.4327

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.453017	50.0	954490.0	0.453017	Y
2	IC 410-617813/13	4.0	1.792822	50.0	926277.0	0.448206	Y
3	IC 410-617813/14	10.0	4.321418	50.0	935989.0	0.432142	Y
4	IC 410-617813/15	20.0	8.768343	50.0	952432.0	0.438417	Y
5	ICIS 410-617813/16	50.0	21.324844	50.0	954497.0	0.426497	Y
6	IC 410-617813/17	100.0	41.895346	50.0	955087.0	0.418953	Y
7	IC 410-617813/18	300.0	123.421742	50.0	992059.0	0.411406	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

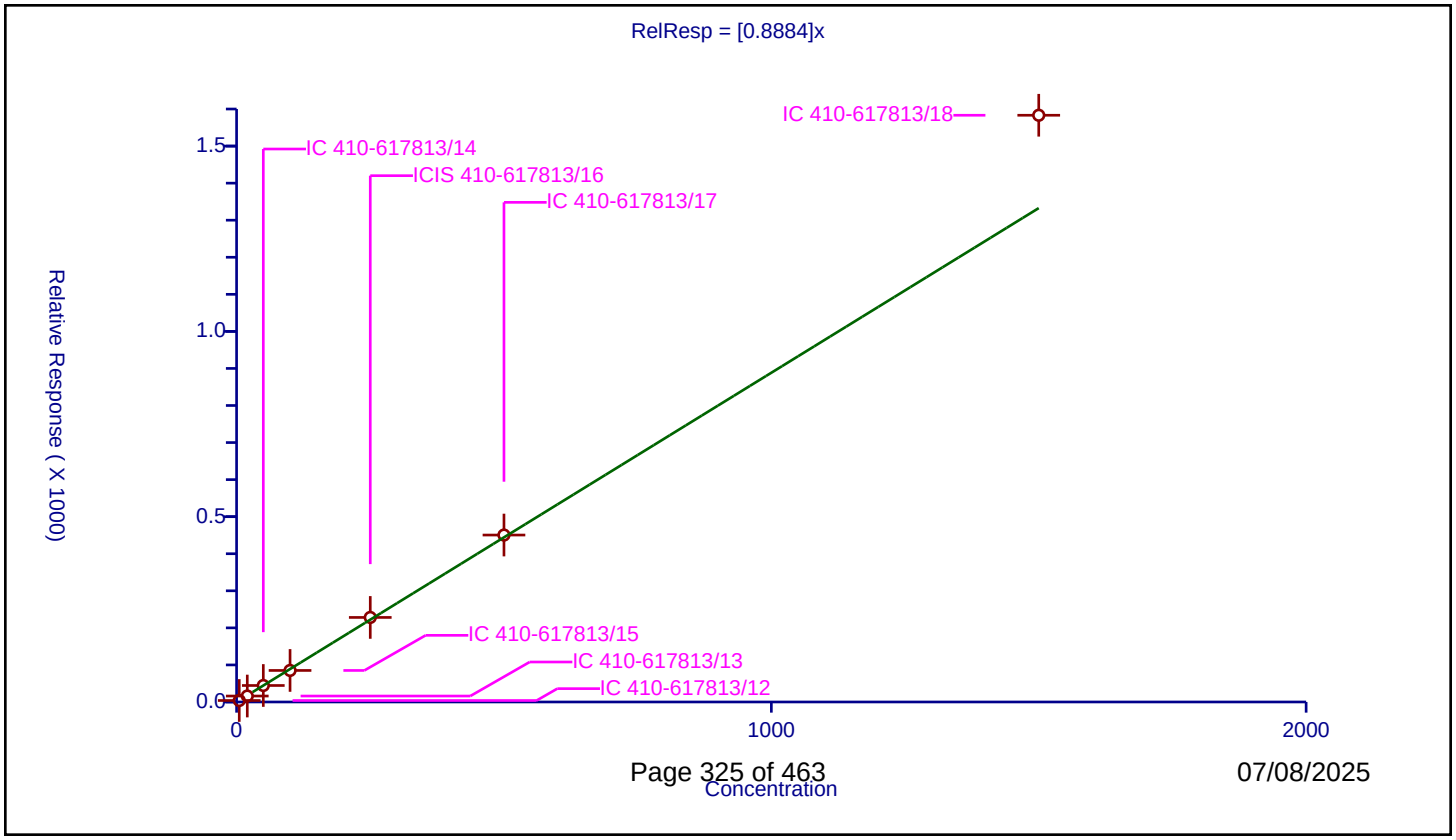
Curve Coefficients

Intercept:	0
Slope:	0.8884

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	5.0	4.027317	250.0	492884.0	0.805463	Y
2	IC 410-617813/13	20.0	16.059835	250.0	506263.0	0.802992	Y
3	IC 410-617813/14	50.0	44.530442	250.0	467259.0	0.890609	Y
4	IC 410-617813/15	100.0	85.096665	250.0	517817.0	0.850967	Y
5	ICIS 410-617813/16	250.0	228.107739	250.0	483744.0	0.912431	Y
6	IC 410-617813/17	500.0	450.490136	250.0	487110.0	0.90098	Y
7	IC 410-617813/18	1500.0	1583.182229	250.0	418584.0	1.055455	Y



Calibration / Methyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

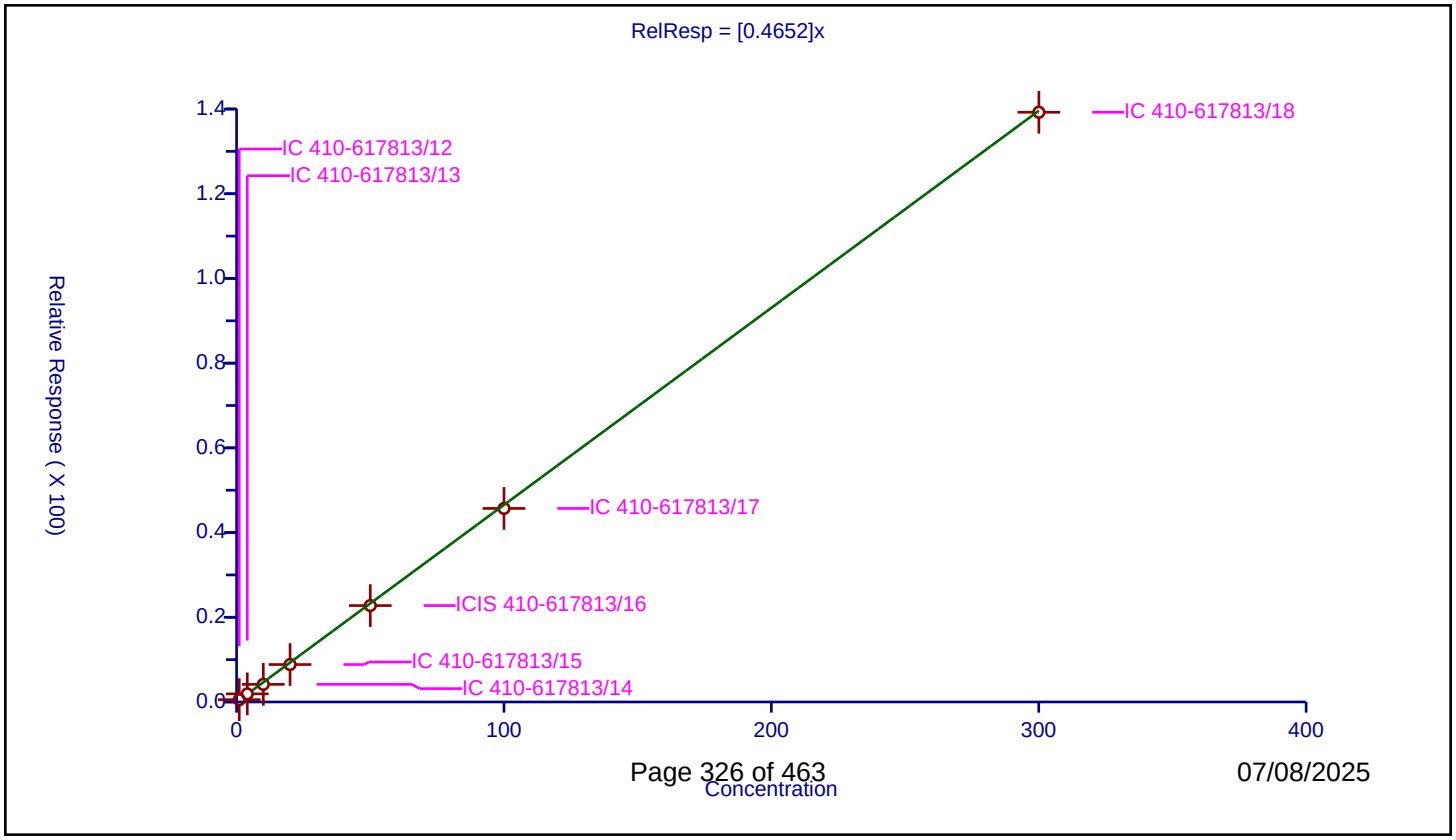
Curve Coefficients

Intercept:	0
Slope:	0.4652

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.000186	0.543484	50.0	954490.0	0.543383	Y
2	IC 410-617813/13	4.000742	1.917515	50.0	926277.0	0.47929	Y
3	IC 410-617813/14	10.001856	4.161267	50.0	935989.0	0.416049	Y
4	IC 410-617813/15	20.003712	8.840736	50.0	952432.0	0.441955	Y
5	ICIS 410-617813/16	50.00928	22.760574	50.0	954497.0	0.455127	Y
6	IC 410-617813/17	100.01856	45.696989	50.0	955087.0	0.456885	Y
7	IC 410-617813/18	300.05568	139.229925	50.0	992059.0	0.464014	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

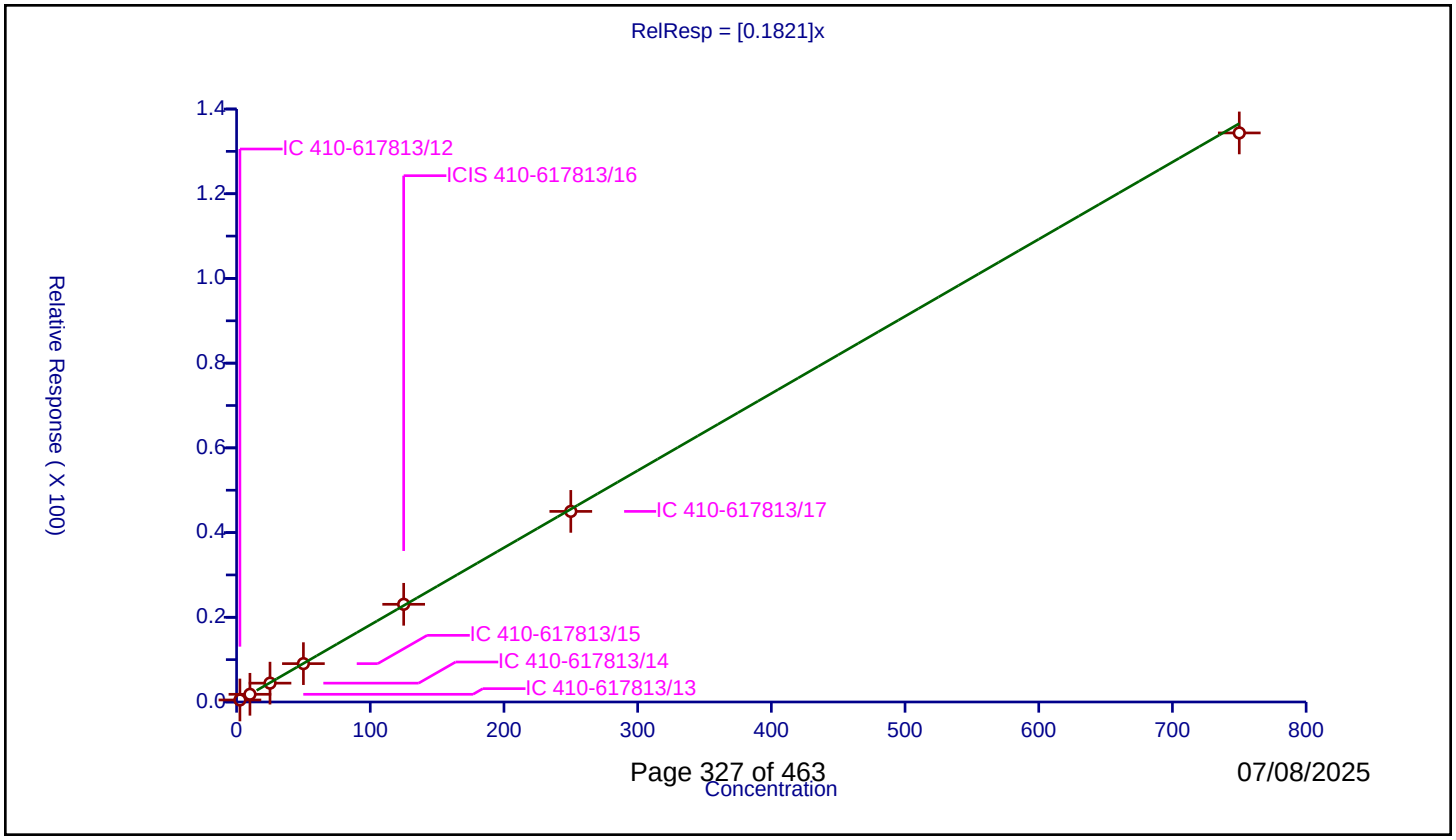
Curve Coefficients

Intercept:	0
Slope:	0.1821

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	2.5	0.47638	50.0	954490.0	0.190552	Y
2	IC 410-617813/13	10.0	1.81544	50.0	926277.0	0.181544	Y
3	IC 410-617813/14	25.0	4.445351	50.0	935989.0	0.177814	Y
4	IC 410-617813/15	50.0	9.05713	50.0	952432.0	0.181143	Y
5	ICIS 410-617813/16	125.0	23.063247	50.0	954497.0	0.184506	Y
6	IC 410-617813/17	250.0	44.99878	50.0	955087.0	0.179995	Y
7	IC 410-617813/18	750.0	134.353048	50.0	992059.0	0.179137	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

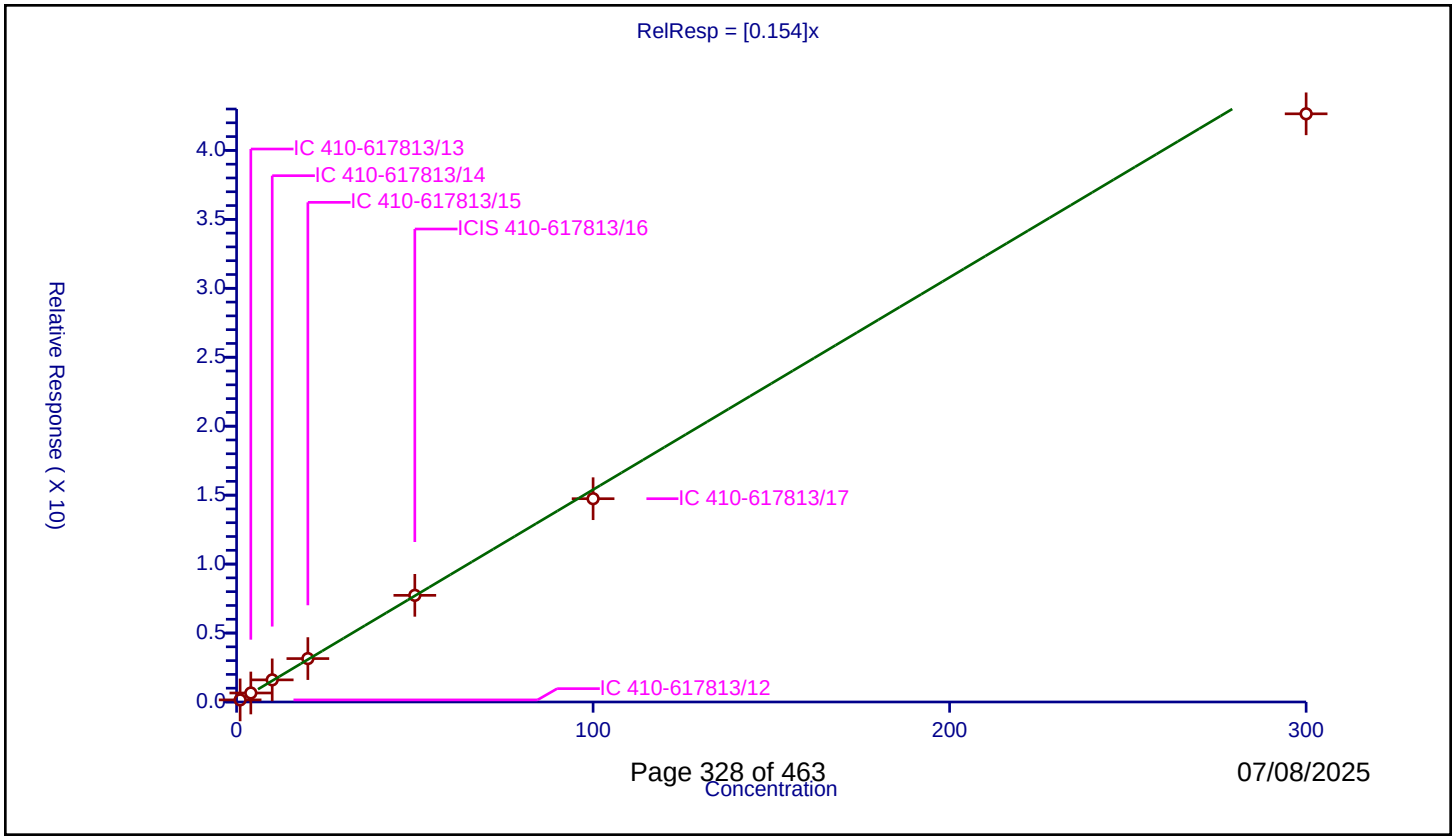
Curve Coefficients

Intercept:	0
Slope:	0.154

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.152699	50.0	954490.0	0.152699	Y
2	IC 410-617813/13	4.0	0.652559	50.0	926277.0	0.16314	Y
3	IC 410-617813/14	10.0	1.603171	50.0	935989.0	0.160317	Y
4	IC 410-617813/15	20.0	3.146314	50.0	952432.0	0.157316	Y
5	ICIS 410-617813/16	50.0	7.734545	50.0	954497.0	0.154691	Y
6	IC 410-617813/17	100.0	14.741484	50.0	955087.0	0.147415	Y
7	IC 410-617813/18	300.0	42.652554	50.0	992059.0	0.142175	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

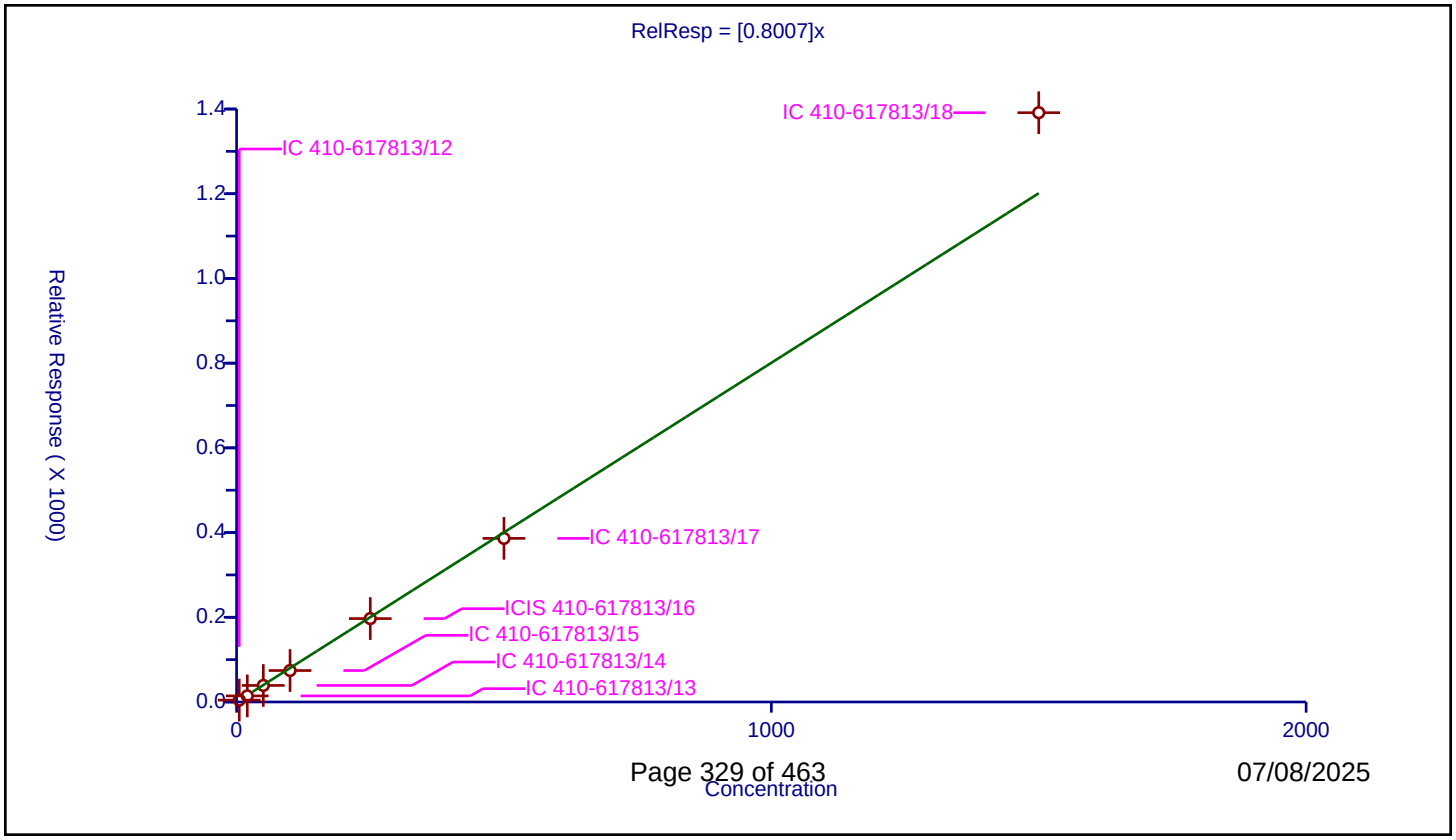
Curve Coefficients

Intercept:	0
Slope:	0.8007

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	5.0	4.365632	250.0	492884.0	0.873126	Y
2	IC 410-617813/13	20.0	14.404568	250.0	506263.0	0.720228	Y
3	IC 410-617813/14	50.0	39.061313	250.0	467259.0	0.781226	Y
4	IC 410-617813/15	100.0	74.282034	250.0	517817.0	0.74282	Y
5	ICIS 410-617813/16	250.0	196.917171	250.0	483744.0	0.787669	Y
6	IC 410-617813/17	500.0	386.282359	250.0	487110.0	0.772565	Y
7	IC 410-617813/18	1500.0	1391.340209	250.0	418584.0	0.92756	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

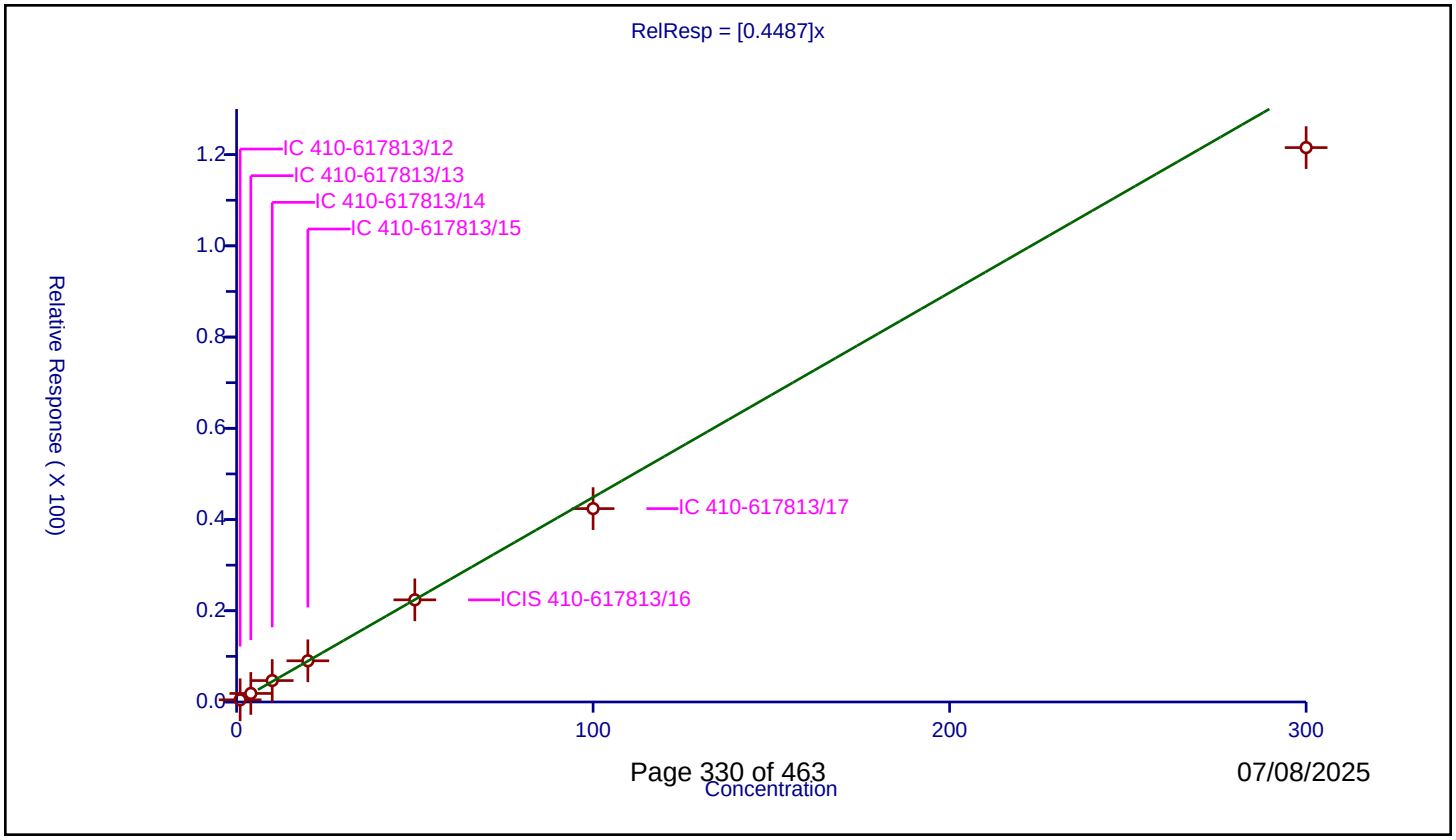
Curve Coefficients

Intercept:	0
Slope:	0.4487

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.473656	50.0	954490.0	0.473656	Y
2	IC 410-617813/13	4.0	1.876113	50.0	926277.0	0.469028	Y
3	IC 410-617813/14	10.0	4.699094	50.0	935989.0	0.469909	Y
4	IC 410-617813/15	20.0	9.030776	50.0	952432.0	0.451539	Y
5	ICIS 410-617813/16	50.0	22.394884	50.0	954497.0	0.447898	Y
6	IC 410-617813/17	100.0	42.394881	50.0	955087.0	0.423949	Y
7	IC 410-617813/18	300.0	121.542015	50.0	992059.0	0.40514	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

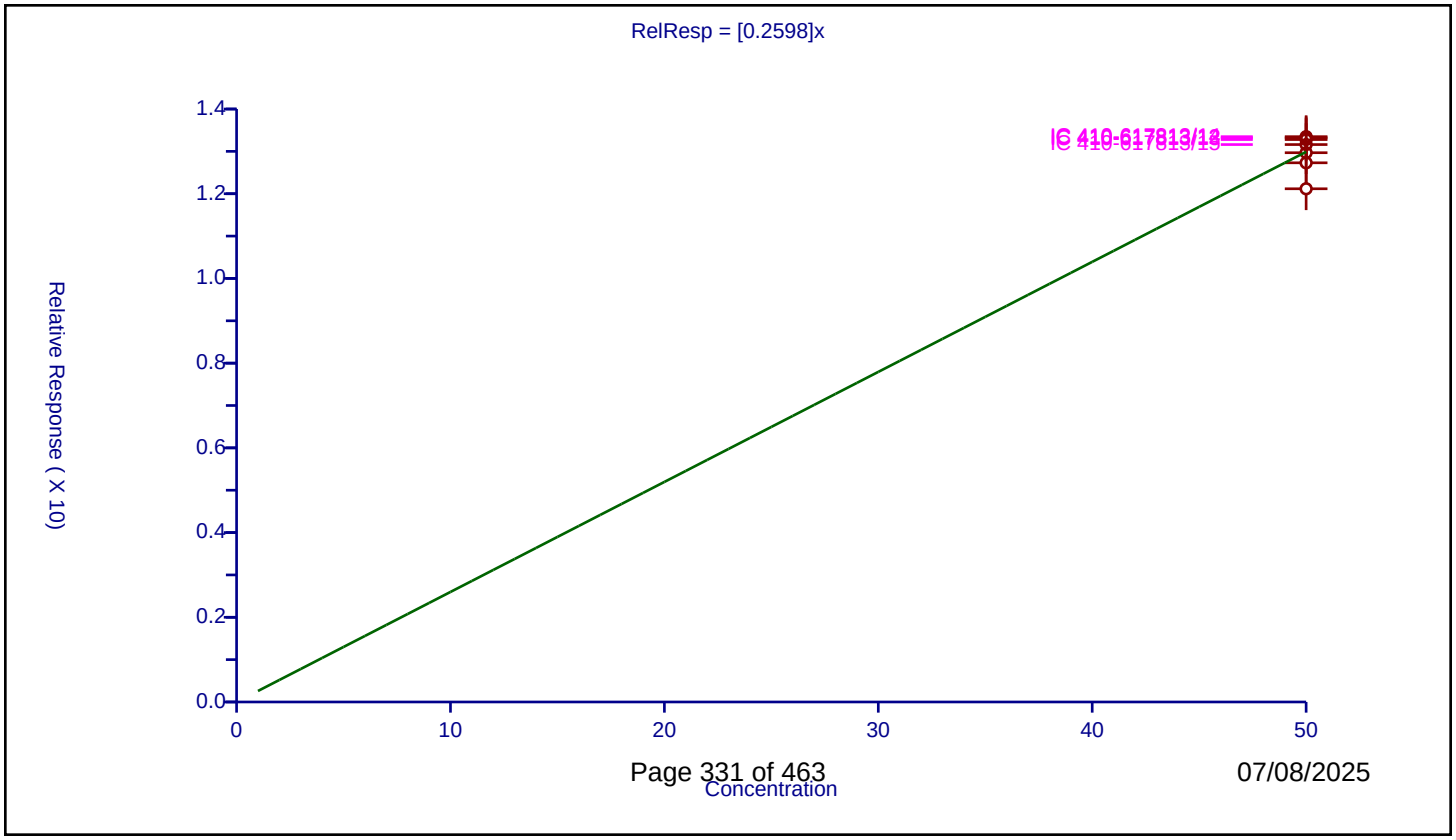
Curve Coefficients

Intercept:	0
Slope:	0.2598

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	50.0	13.319259	50.0	954490.0	0.266385	Y
2	IC 410-617813/13	50.0	13.279073	50.0	926277.0	0.265581	Y
3	IC 410-617813/14	50.0	13.347326	50.0	935989.0	0.266947	Y
4	IC 410-617813/15	50.0	13.160467	50.0	952432.0	0.263209	Y
5	ICIS 410-617813/16	50.0	12.968296	50.0	954497.0	0.259366	Y
6	IC 410-617813/17	50.0	12.730359	50.0	955087.0	0.254607	Y
7	IC 410-617813/18	50.0	12.11692	50.0	992059.0	0.242338	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

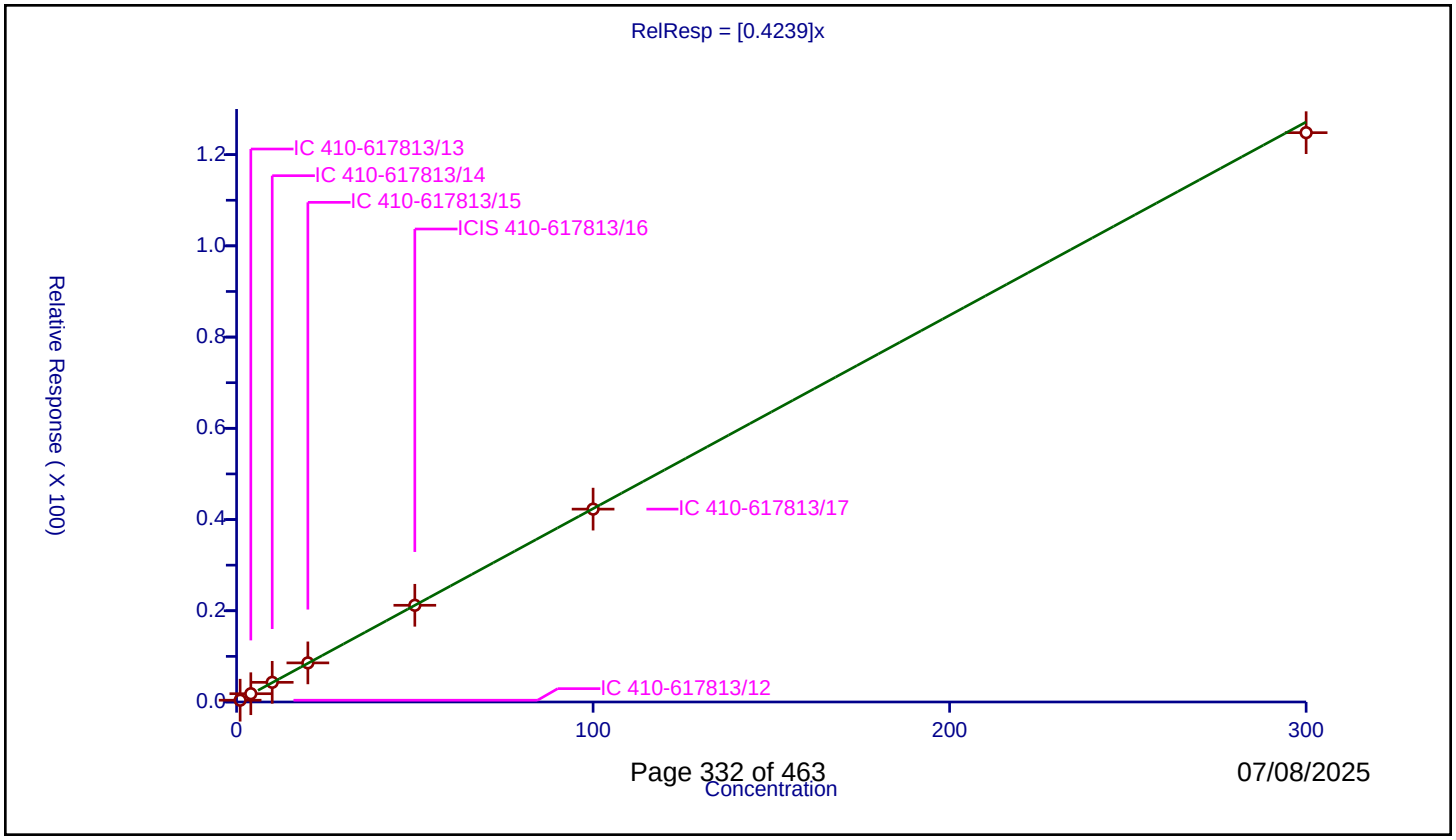
Curve Coefficients

Intercept:	0
Slope:	0.4239

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.391361	50.0	954490.0	0.391361	Y
2	IC 410-617813/13	4.0	1.812579	50.0	926277.0	0.453145	Y
3	IC 410-617813/14	10.0	4.310254	50.0	935989.0	0.431025	Y
4	IC 410-617813/15	20.0	8.572895	50.0	952432.0	0.428645	Y
5	ICIS 410-617813/16	50.0	21.200905	50.0	954497.0	0.424018	Y
6	IC 410-617813/17	100.0	42.281907	50.0	955087.0	0.422819	Y
7	IC 410-617813/18	300.0	124.814452	50.0	992059.0	0.416048	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

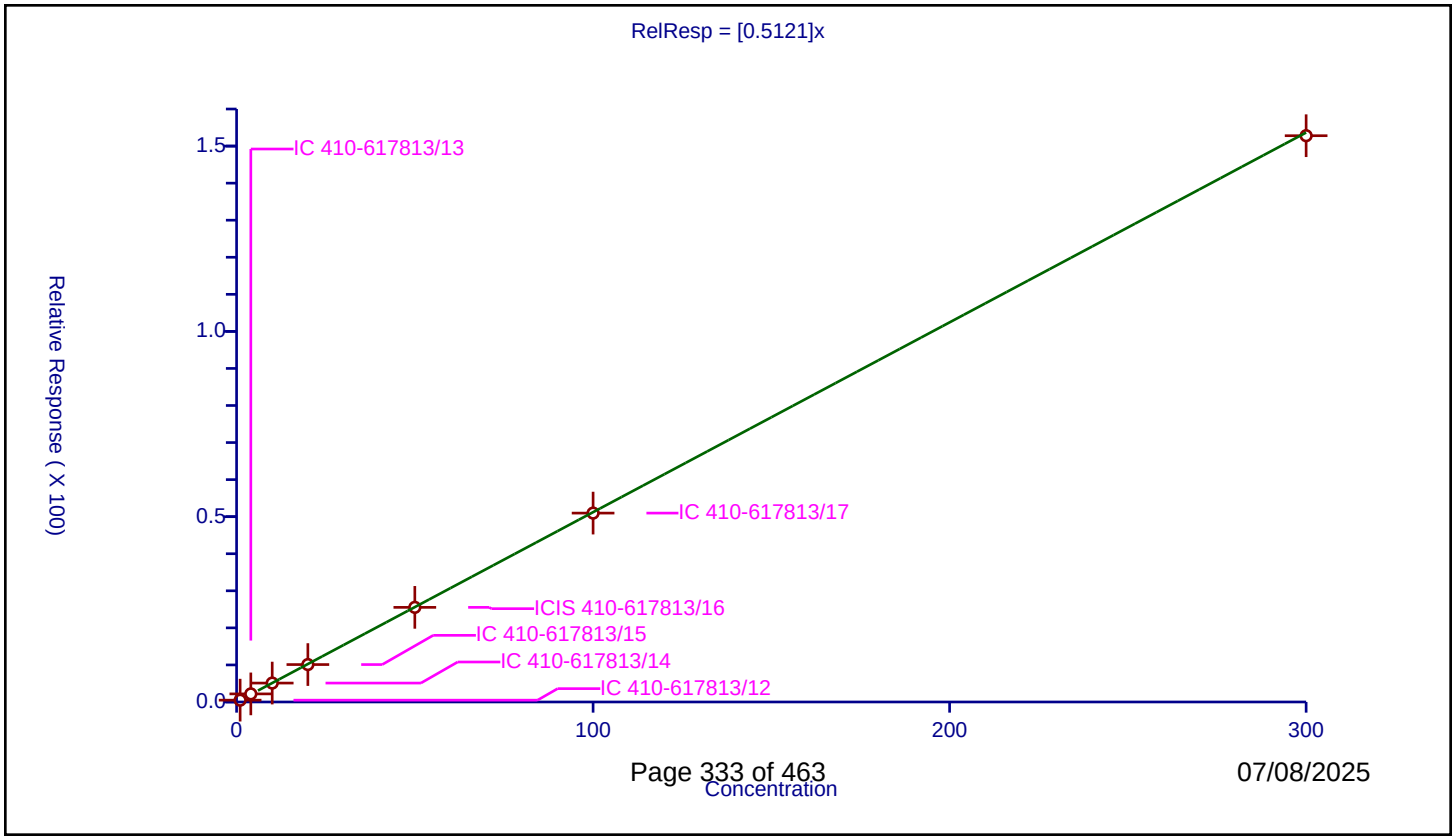
Curve Coefficients

Intercept:	0
Slope:	0.5121

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.493981	50.0	954490.0	0.493981	Y
2	IC 410-617813/13	4.0	2.184876	50.0	926277.0	0.546219	Y
3	IC 410-617813/14	10.0	5.10412	50.0	935989.0	0.510412	Y
4	IC 410-617813/15	20.0	10.095209	50.0	952432.0	0.50476	Y
5	ICIS 410-617813/16	50.0	25.534025	50.0	954497.0	0.51068	Y
6	IC 410-617813/17	100.0	50.966614	50.0	955087.0	0.509666	Y
7	IC 410-617813/18	300.0	152.79439	50.0	992059.0	0.509315	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

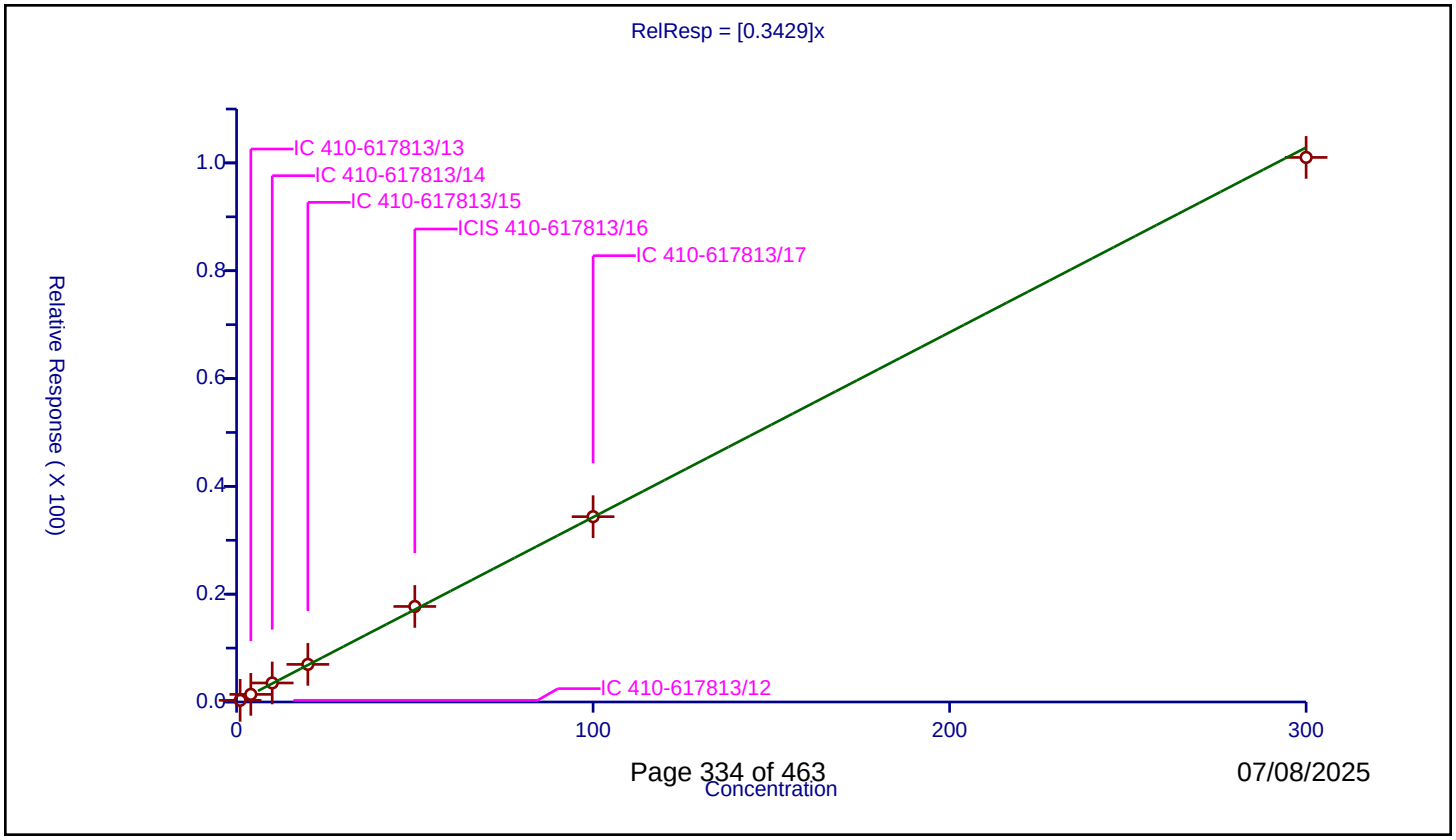
Curve Coefficients

Intercept:	0
Slope:	0.3429

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.30938	50.0	954490.0	0.30938	Y
2	IC 410-617813/13	4.0	1.41448	50.0	926277.0	0.35362	Y
3	IC 410-617813/14	10.0	3.531719	50.0	935989.0	0.353172	Y
4	IC 410-617813/15	20.0	6.979396	50.0	952432.0	0.34897	Y
5	ICIS 410-617813/16	50.0	17.721009	50.0	954497.0	0.35442	Y
6	IC 410-617813/17	100.0	34.376554	50.0	955087.0	0.343766	Y
7	IC 410-617813/18	300.0	101.019395	50.0	992059.0	0.336731	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

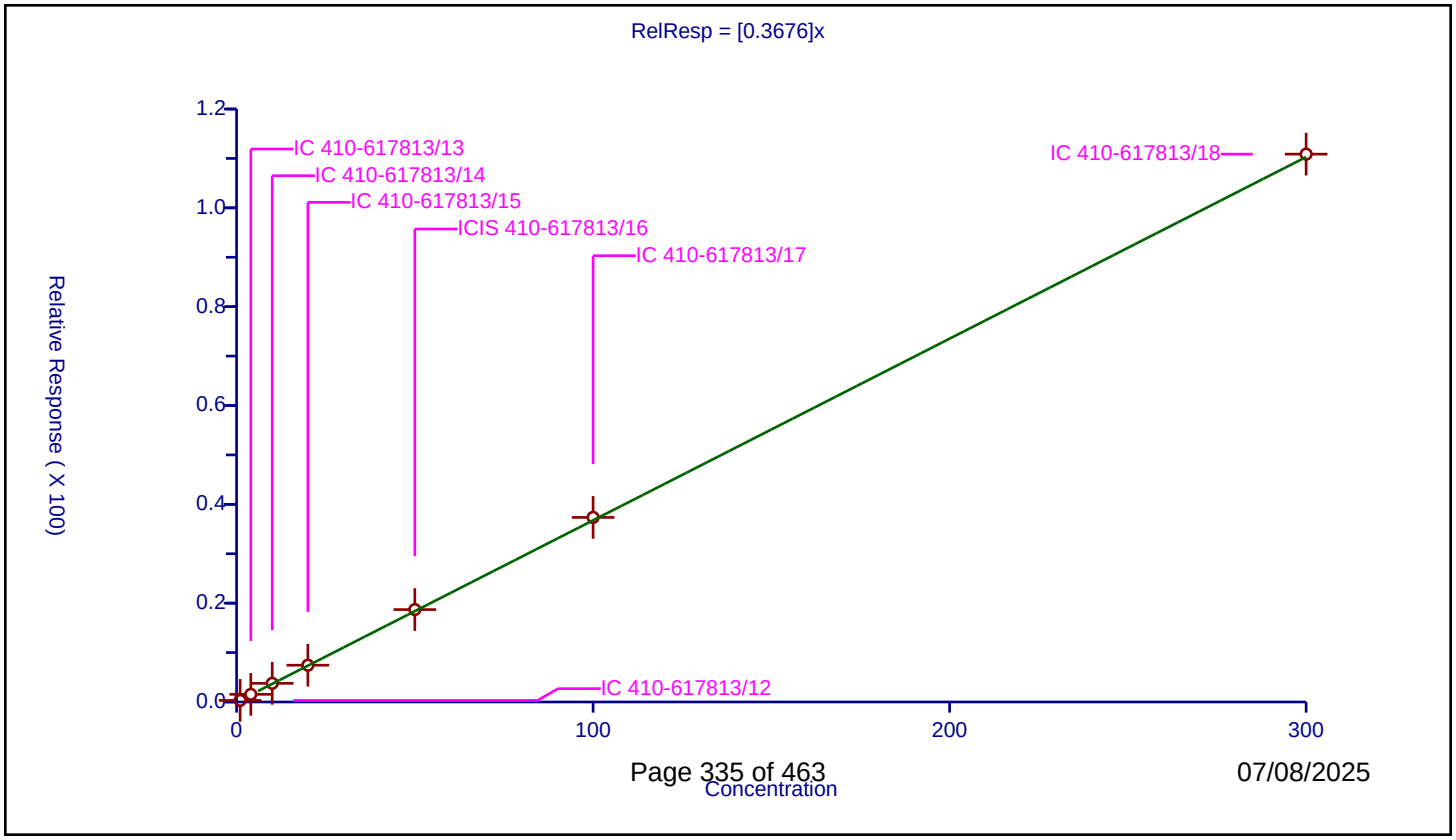
Curve Coefficients

Intercept:	0
Slope:	0.3676

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.319595	50.0	954490.0	0.319595	Y
2	IC 410-617813/13	4.0	1.548511	50.0	926277.0	0.387128	Y
3	IC 410-617813/14	10.0	3.773121	50.0	935989.0	0.377312	Y
4	IC 410-617813/15	20.0	7.443471	50.0	952432.0	0.372174	Y
5	ICIS 410-617813/16	50.0	18.704249	50.0	954497.0	0.374085	Y
6	IC 410-617813/17	100.0	37.350158	50.0	955087.0	0.373502	Y
7	IC 410-617813/18	300.0	110.867196	50.0	992059.0	0.369557	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

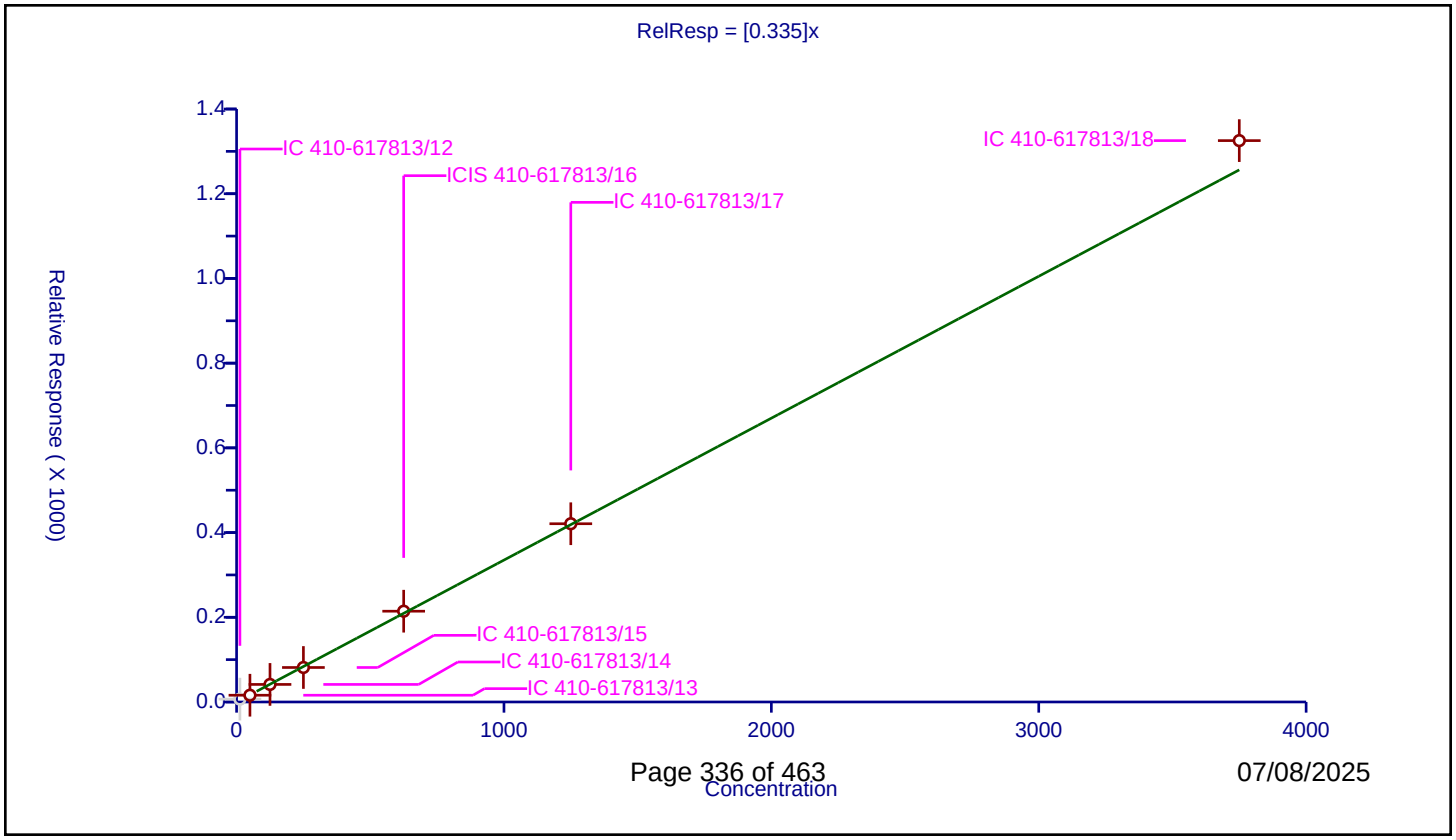
Curve Coefficients

Intercept:	0
Slope:	0.335

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	12.5	6.740937	250.0	492884.0	0.539275	N
2	IC 410-617813/13	50.0	15.983293	250.0	506263.0	0.319666	Y
3	IC 410-617813/14	125.0	41.437939	250.0	467259.0	0.331504	Y
4	IC 410-617813/15	250.0	81.463625	250.0	517817.0	0.325855	Y
5	ICIS 410-617813/16	625.0	214.340126	250.0	483744.0	0.342944	Y
6	IC 410-617813/17	1250.0	420.862844	250.0	487110.0	0.33669	Y
7	IC 410-617813/18	3750.0	1325.400039	250.0	418584.0	0.35344	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

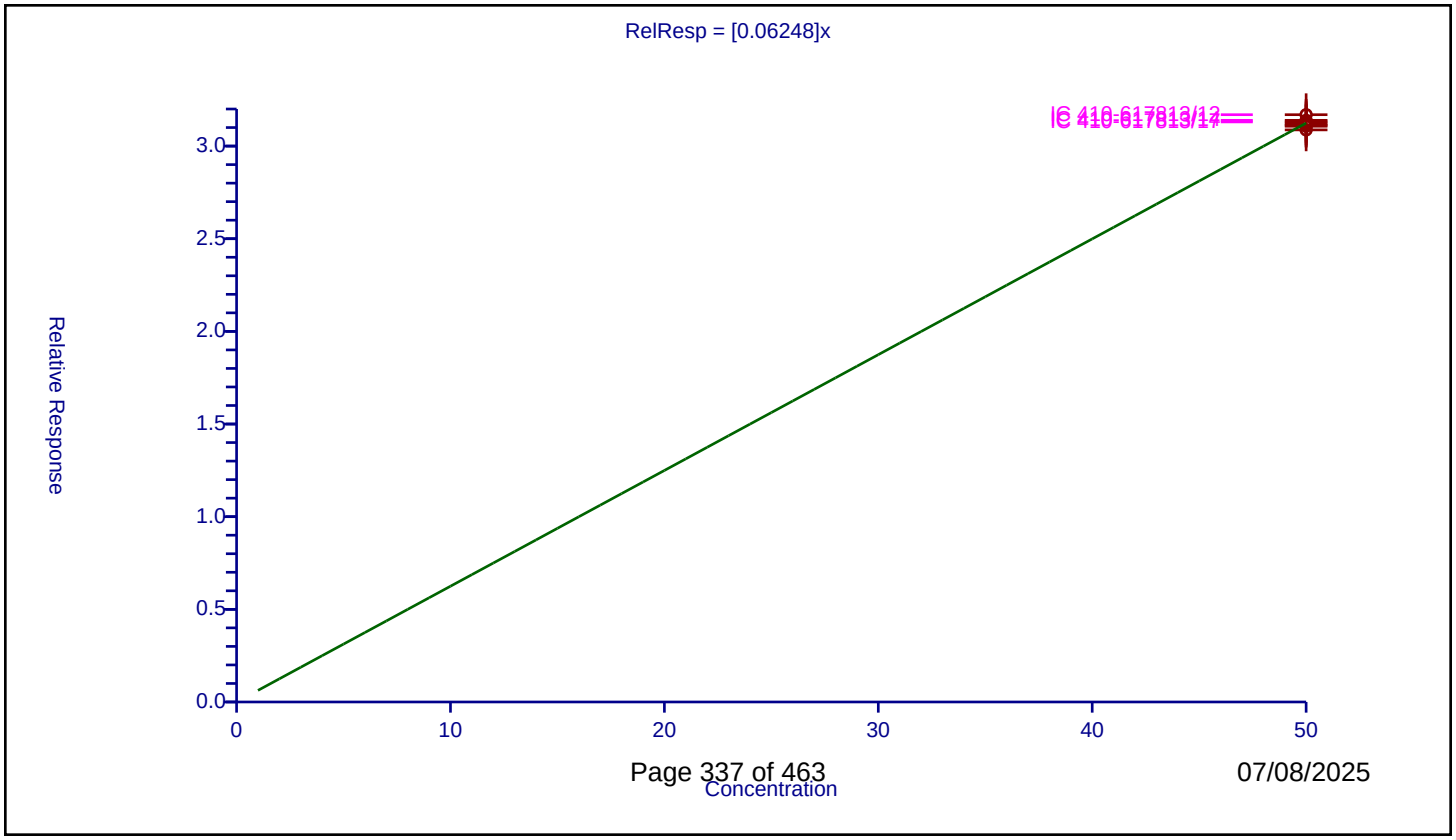
Curve Coefficients

Intercept:	0
Slope:	0.06248

Error Coefficients

Relative Standard Deviation:	0.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	50.0	3.169337	50.0	954490.0	0.063387	Y
2	IC 410-617813/13	50.0	3.112568	50.0	926277.0	0.062251	Y
3	IC 410-617813/14	50.0	3.138979	50.0	935989.0	0.06278	Y
4	IC 410-617813/15	50.0	3.08736	50.0	952432.0	0.061747	Y
5	ICIS 410-617813/16	50.0	3.121016	50.0	954497.0	0.06242	Y
6	IC 410-617813/17	50.0	3.130343	50.0	955087.0	0.062607	Y
7	IC 410-617813/18	50.0	3.107023	50.0	992059.0	0.06214	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

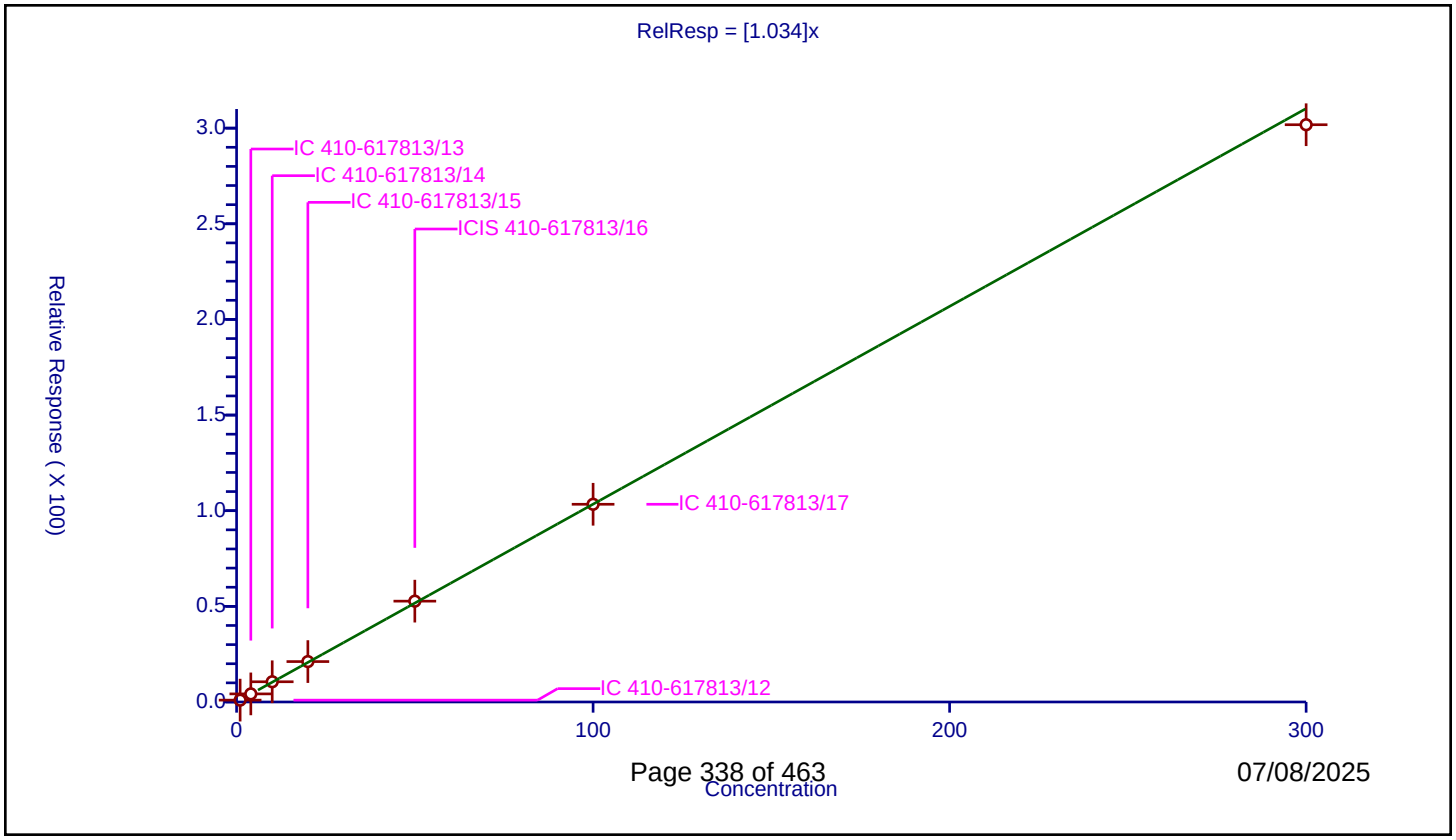
Curve Coefficients

Intercept:	0
Slope:	1.034

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.974028	50.0	954490.0	0.974028	Y
2	IC 410-617813/13	4.0	4.231672	50.0	926277.0	1.057918	Y
3	IC 410-617813/14	10.0	10.569141	50.0	935989.0	1.056914	Y
4	IC 410-617813/15	20.0	21.123765	50.0	952432.0	1.056188	Y
5	ICIS 410-617813/16	50.0	52.717767	50.0	954497.0	1.054355	Y
6	IC 410-617813/17	100.0	103.364458	50.0	955087.0	1.033645	Y
7	IC 410-617813/18	300.0	301.782152	50.0	992059.0	1.005941	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

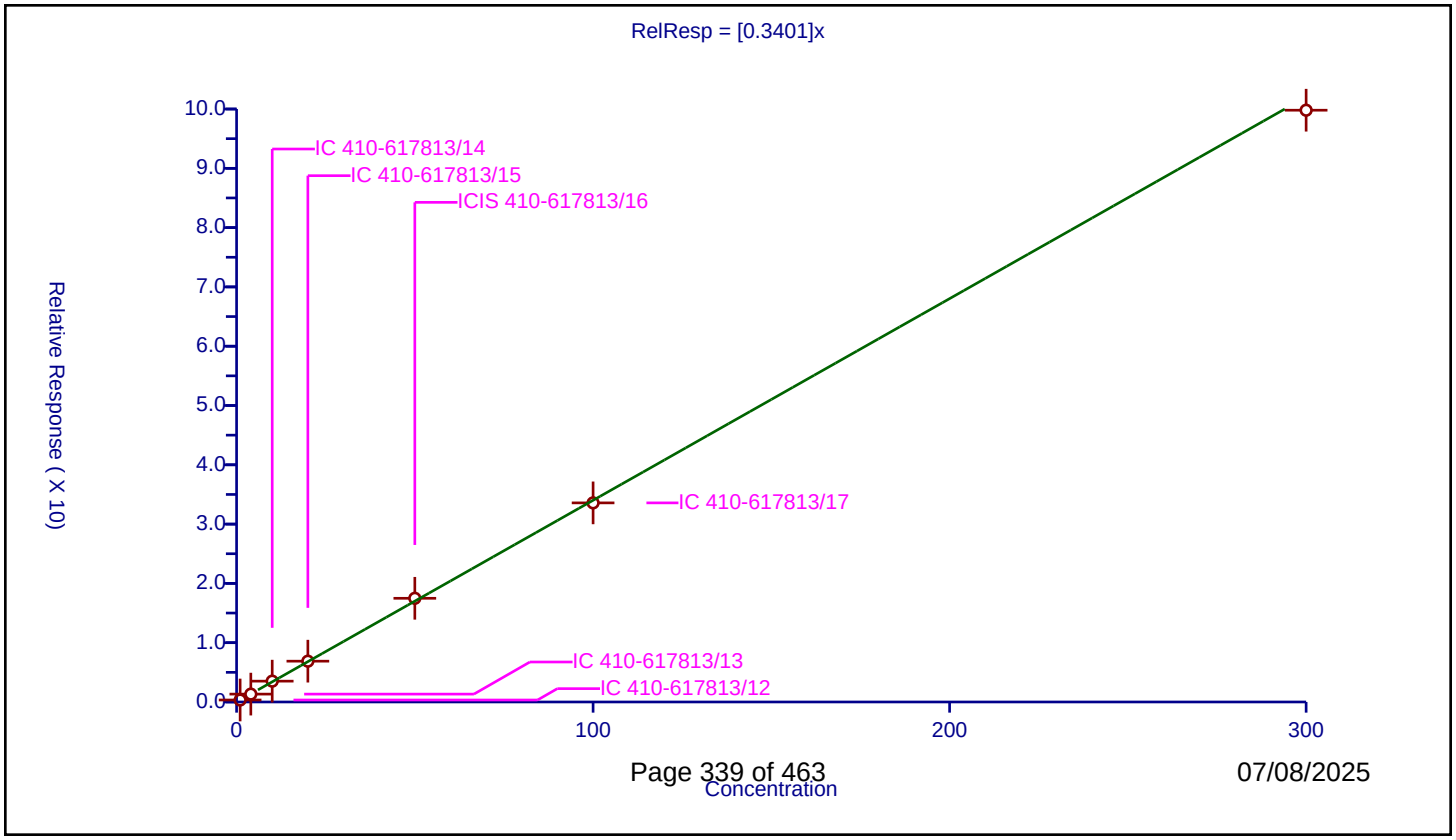
Curve Coefficients

Intercept:	0
Slope:	0.3401

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.33531	50.0	954490.0	0.33531	Y
2	IC 410-617813/13	4.0	1.327897	50.0	926277.0	0.331974	Y
3	IC 410-617813/14	10.0	3.512381	50.0	935989.0	0.351238	Y
4	IC 410-617813/15	20.0	6.882434	50.0	952432.0	0.344122	Y
5	ICIS 410-617813/16	50.0	17.487588	50.0	954497.0	0.349752	Y
6	IC 410-617813/17	100.0	33.578878	50.0	955087.0	0.335789	Y
7	IC 410-617813/18	300.0	99.797744	50.0	992059.0	0.332659	Y



Calibration / Tert-amyl methyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

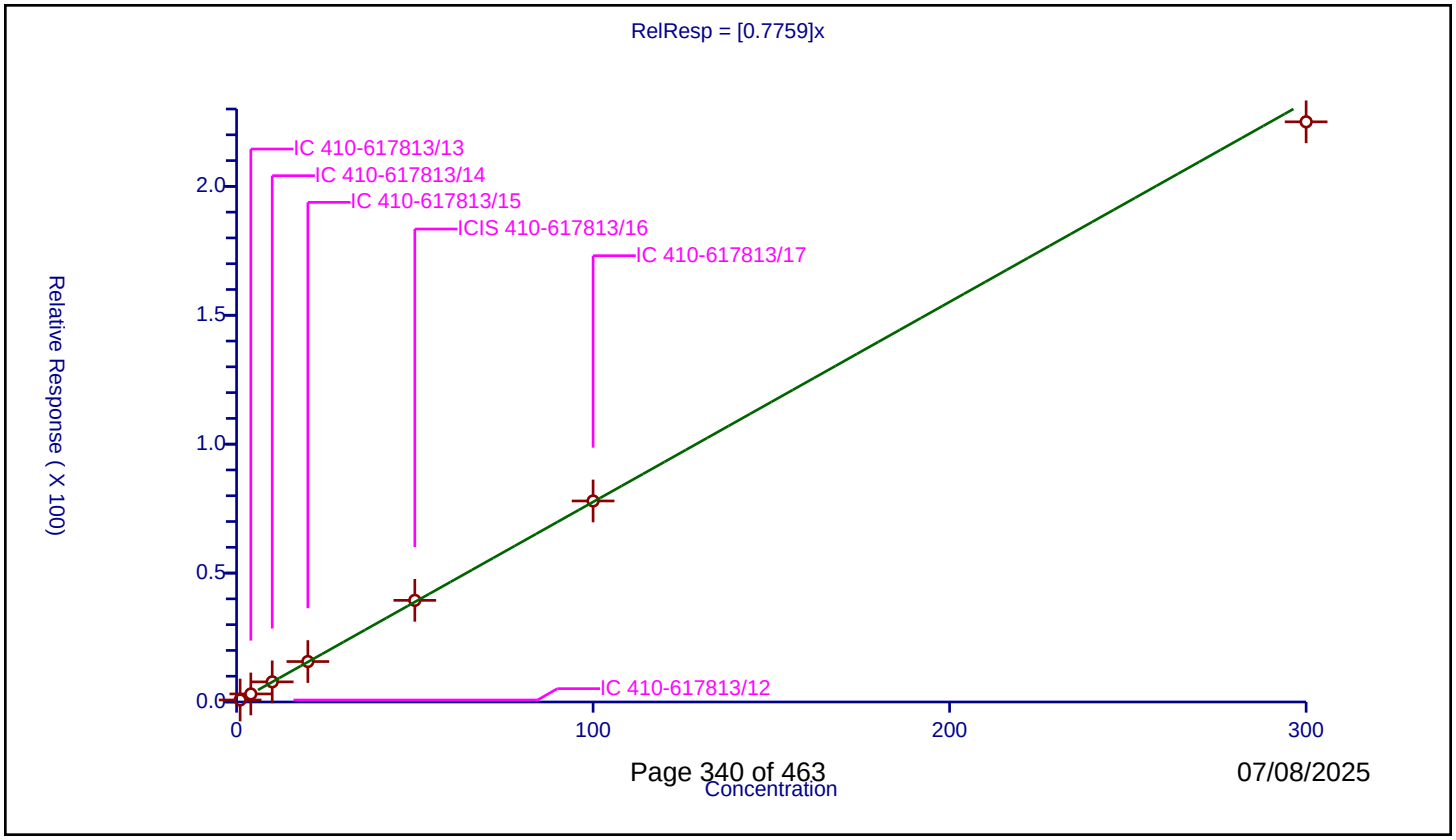
Curve Coefficients

Intercept:	0
Slope:	0.7759

Error Coefficients

Relative Standard Deviation:	1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.768735	50.0	954490.0	0.768735	Y
2	IC 410-617813/13	4.0	3.117642	50.0	926277.0	0.77941	Y
3	IC 410-617813/14	10.0	7.804846	50.0	935989.0	0.780485	Y
4	IC 410-617813/15	20.0	15.680542	50.0	952432.0	0.784027	Y
5	ICIS 410-617813/16	50.0	39.426735	50.0	954497.0	0.788535	Y
6	IC 410-617813/17	100.0	77.977661	50.0	955087.0	0.779777	Y
7	IC 410-617813/18	300.0	225.037321	50.0	992059.0	0.750124	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

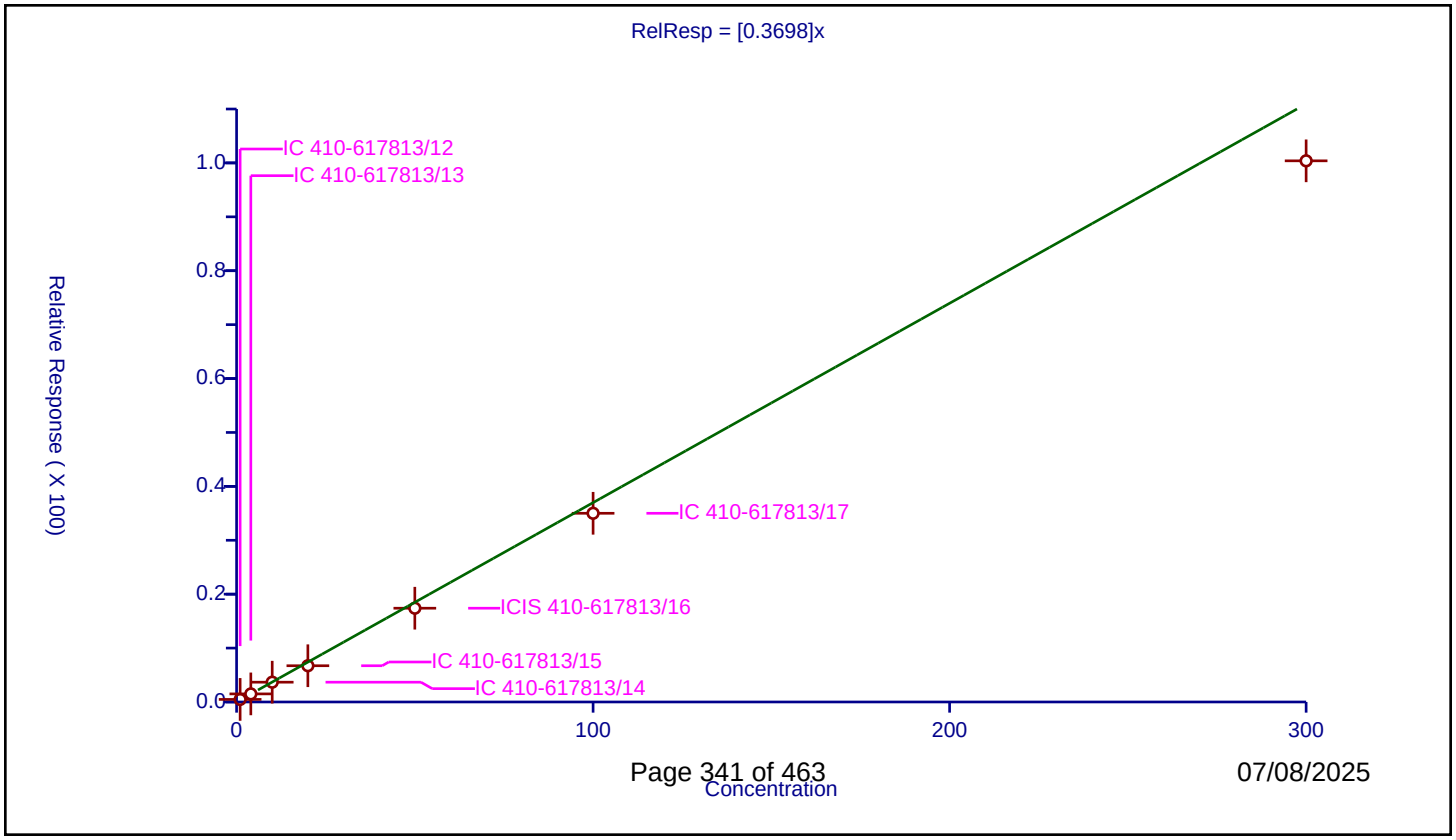
Curve Coefficients

Intercept:	0
Slope:	0.3698

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.477009	50.0	954490.0	0.477009	Y
2	IC 410-617813/13	4.0	1.501117	50.0	926277.0	0.375279	Y
3	IC 410-617813/14	10.0	3.675364	50.0	935989.0	0.367536	Y
4	IC 410-617813/15	20.0	6.725887	50.0	952432.0	0.336294	Y
5	ICIS 410-617813/16	50.0	17.396755	50.0	954497.0	0.347935	Y
6	IC 410-617813/17	100.0	35.006026	50.0	955087.0	0.35006	Y
7	IC 410-617813/18	300.0	100.390299	50.0	992059.0	0.334634	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

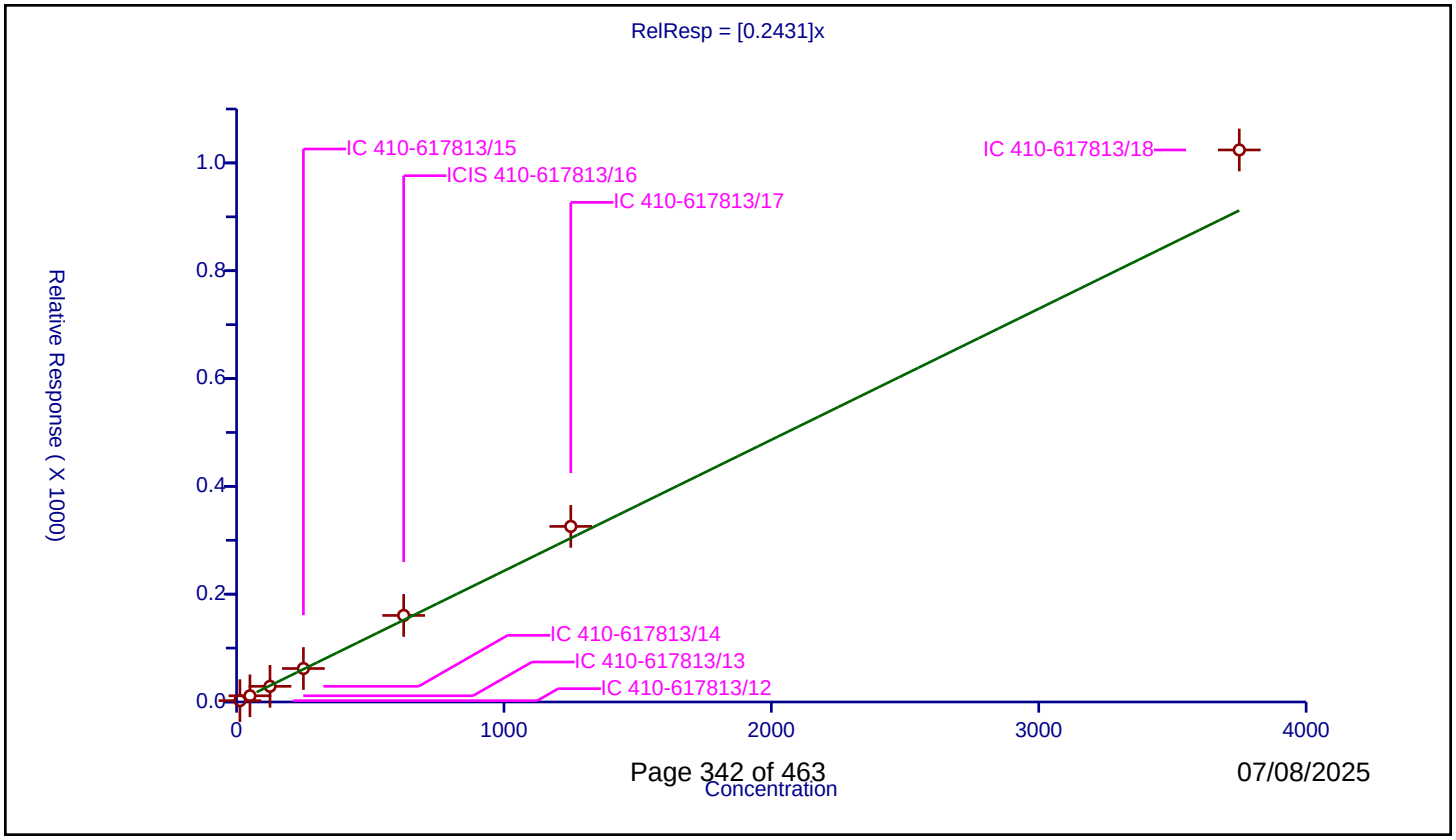
Curve Coefficients

Intercept:	0
Slope:	0.2431

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	12.5	2.510226	250.0	492884.0	0.200818	Y
2	IC 410-617813/13	50.0	11.485631	250.0	506263.0	0.229713	Y
3	IC 410-617813/14	125.0	29.077022	250.0	467259.0	0.232616	Y
4	IC 410-617813/15	250.0	62.087089	250.0	517817.0	0.248348	Y
5	ICIS 410-617813/16	625.0	160.552379	250.0	483744.0	0.256884	Y
6	IC 410-617813/17	1250.0	325.70364	250.0	487110.0	0.260563	Y
7	IC 410-617813/18	3750.0	1024.053117	250.0	418584.0	0.273081	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

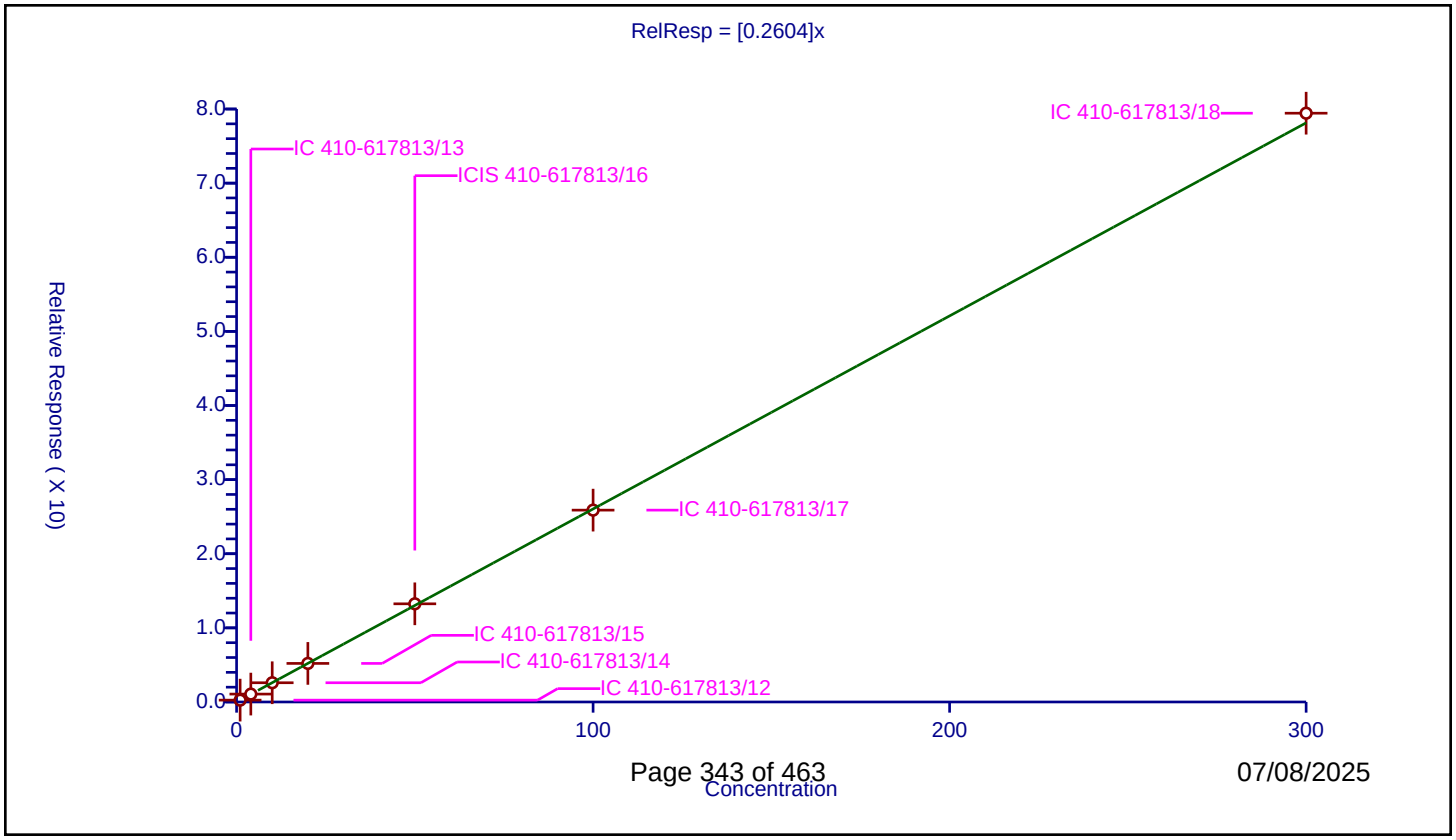
Curve Coefficients

Intercept:	0
Slope:	0.2604

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.248457	50.0	954490.0	0.248457	Y
2	IC 410-617813/13	4.0	1.065934	50.0	926277.0	0.266483	Y
3	IC 410-617813/14	10.0	2.594315	50.0	935989.0	0.259431	Y
4	IC 410-617813/15	20.0	5.204099	50.0	952432.0	0.260205	Y
5	ICIS 410-617813/16	50.0	13.244568	50.0	954497.0	0.264891	Y
6	IC 410-617813/17	100.0	25.884029	50.0	955087.0	0.25884	Y
7	IC 410-617813/18	300.0	79.435296	50.0	992059.0	0.264784	Y



Calibration / Ethyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

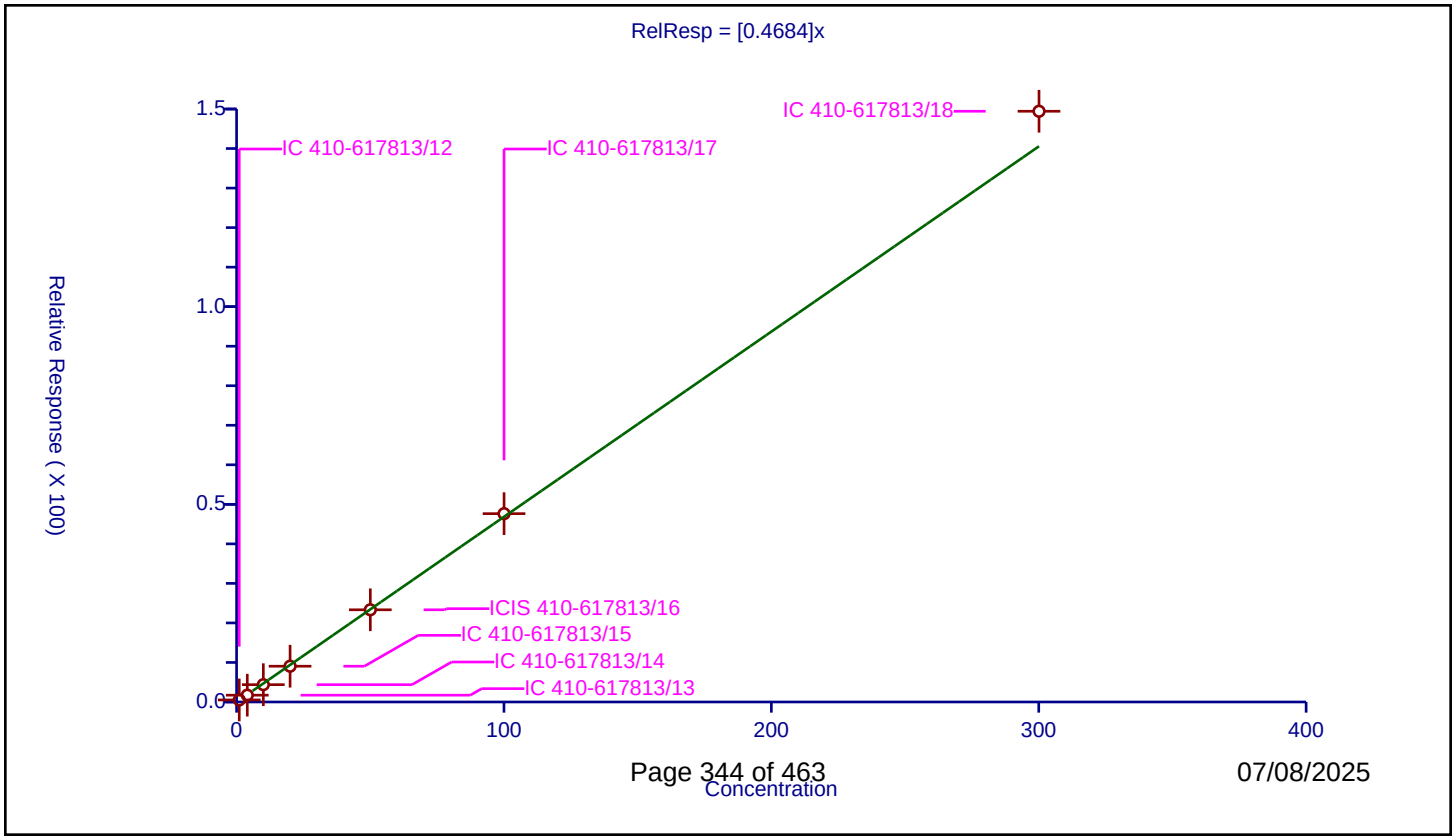
Curve Coefficients

Intercept:	0
Slope:	0.4684

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.000354	0.51813	50.0	954490.0	0.517947	Y
2	IC 410-617813/13	4.001415	1.722217	50.0	926277.0	0.430402	Y
3	IC 410-617813/14	10.003538	4.378951	50.0	935989.0	0.43774	Y
4	IC 410-617813/15	20.007076	9.051565	50.0	952432.0	0.452418	Y
5	ICIS 410-617813/16	50.01769	23.323489	50.0	954497.0	0.466305	Y
6	IC 410-617813/17	100.03538	47.638801	50.0	955087.0	0.47622	Y
7	IC 410-617813/18	300.10614	149.431939	50.0	992059.0	0.49793	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

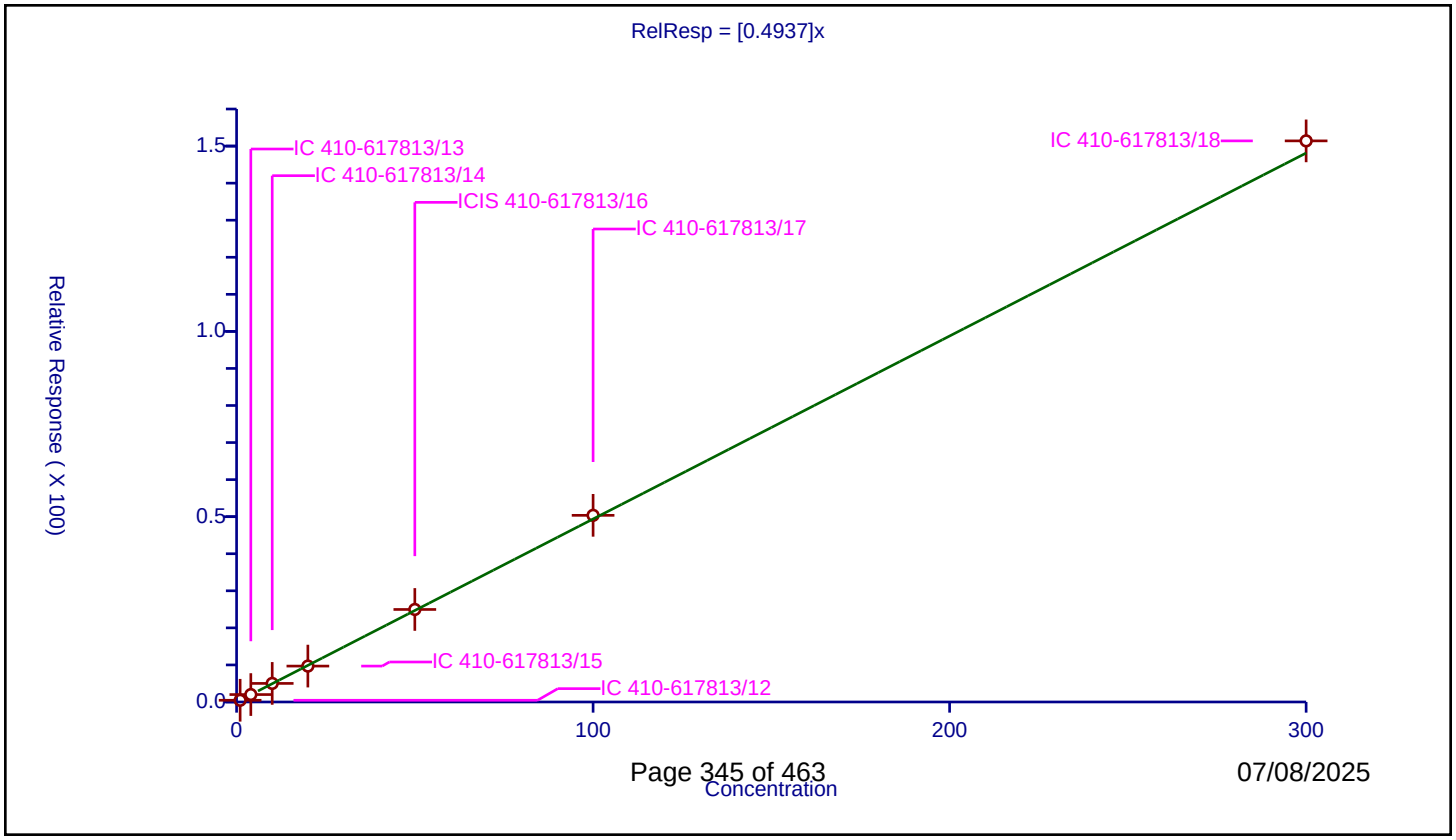
Curve Coefficients

Intercept:	0
Slope:	0.4937

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.462341	50.0	954490.0	0.462341	Y
2	IC 410-617813/13	4.0	2.001183	50.0	926277.0	0.500296	Y
3	IC 410-617813/14	10.0	5.014963	50.0	935989.0	0.501496	Y
4	IC 410-617813/15	20.0	9.686991	50.0	952432.0	0.48435	Y
5	ICIS 410-617813/16	50.0	24.966344	50.0	954497.0	0.499327	Y
6	IC 410-617813/17	100.0	50.364888	50.0	955087.0	0.503649	Y
7	IC 410-617813/18	300.0	151.404251	50.0	992059.0	0.504681	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

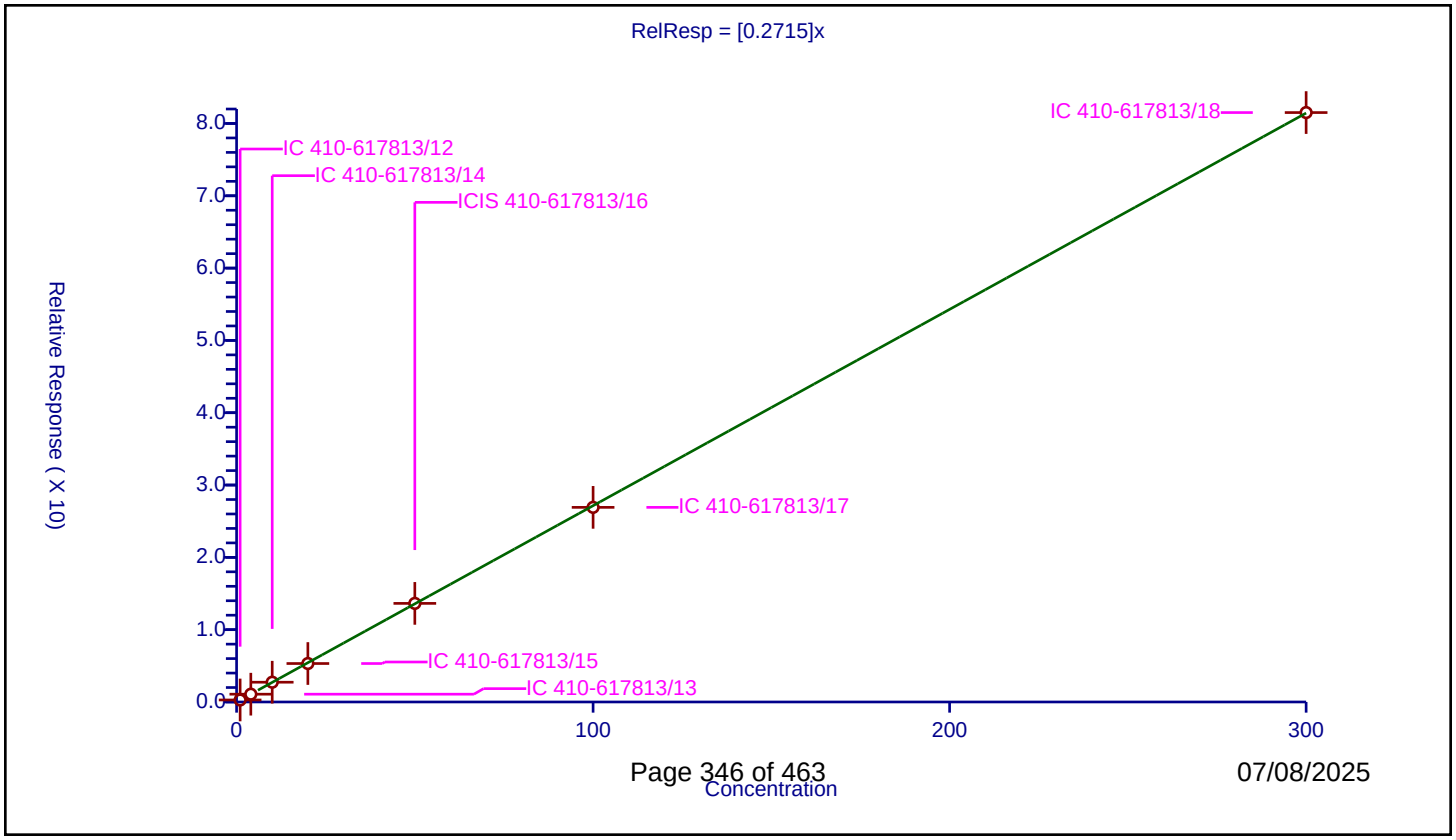
Curve Coefficients

Intercept:	0
Slope:	0.2715

Error Coefficients

Relative Standard Deviation:	1.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.277897	50.0	954490.0	0.277897	Y
2	IC 410-617813/13	4.0	1.077971	50.0	926277.0	0.269493	Y
3	IC 410-617813/14	10.0	2.732992	50.0	935989.0	0.273299	Y
4	IC 410-617813/15	20.0	5.320275	50.0	952432.0	0.266014	Y
5	ICIS 410-617813/16	50.0	13.633568	50.0	954497.0	0.272671	Y
6	IC 410-617813/17	100.0	26.915506	50.0	955087.0	0.269155	Y
7	IC 410-617813/18	300.0	81.509114	50.0	992059.0	0.271697	Y



Calibration / 2-ethoxy-2-methyl butane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

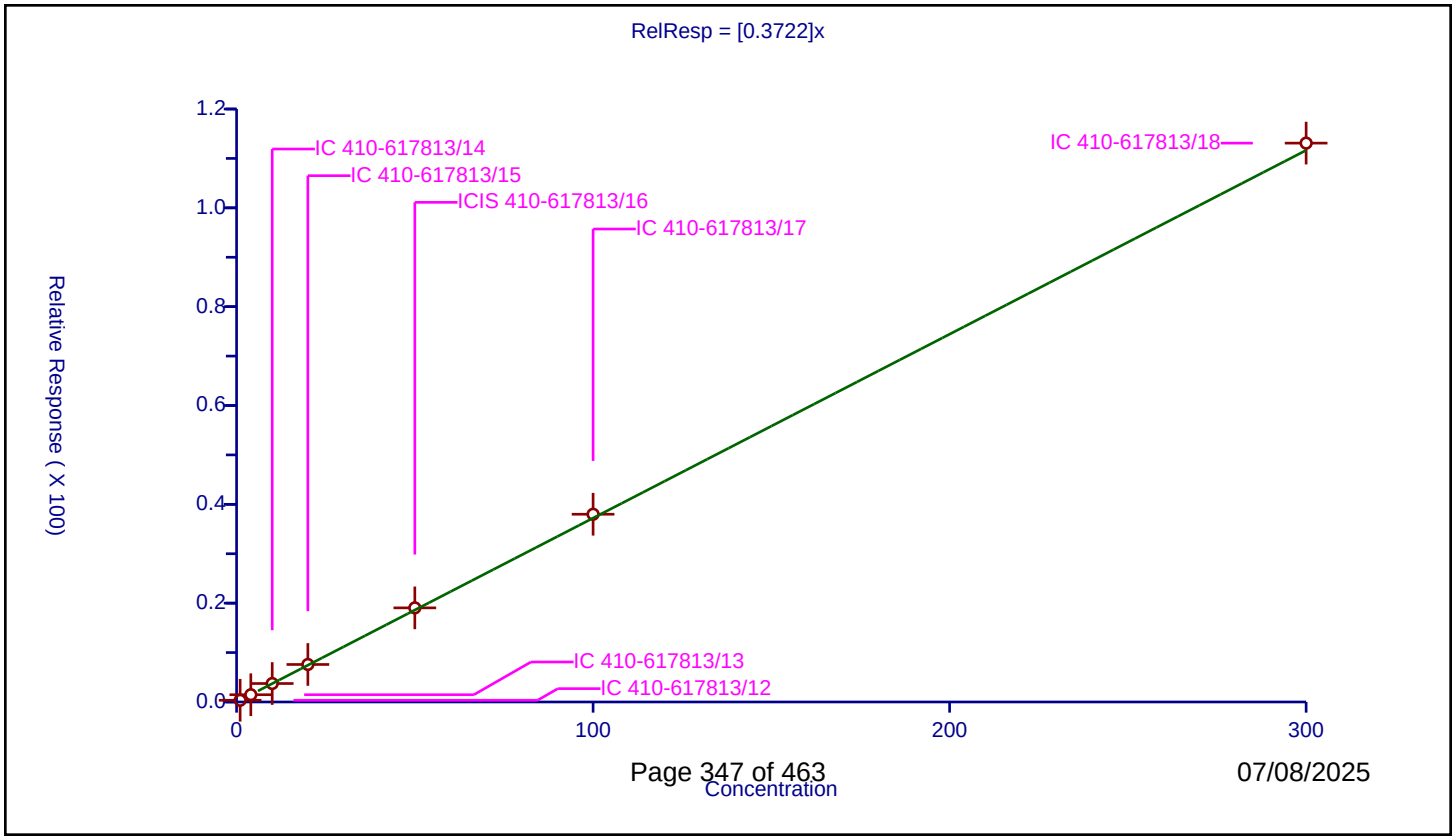
Curve Coefficients

Intercept:	0
Slope:	0.3722

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.345682	50.0	954490.0	0.345682	Y
2	IC 410-617813/13	4.0	1.472508	50.0	926277.0	0.368127	Y
3	IC 410-617813/14	10.0	3.738345	50.0	935989.0	0.373835	Y
4	IC 410-617813/15	20.0	7.591303	50.0	952432.0	0.379565	Y
5	ICIS 410-617813/16	50.0	19.047415	50.0	954497.0	0.380948	Y
6	IC 410-617813/17	100.0	37.995177	50.0	955087.0	0.379952	Y
7	IC 410-617813/18	300.0	113.099826	50.0	992059.0	0.376999	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

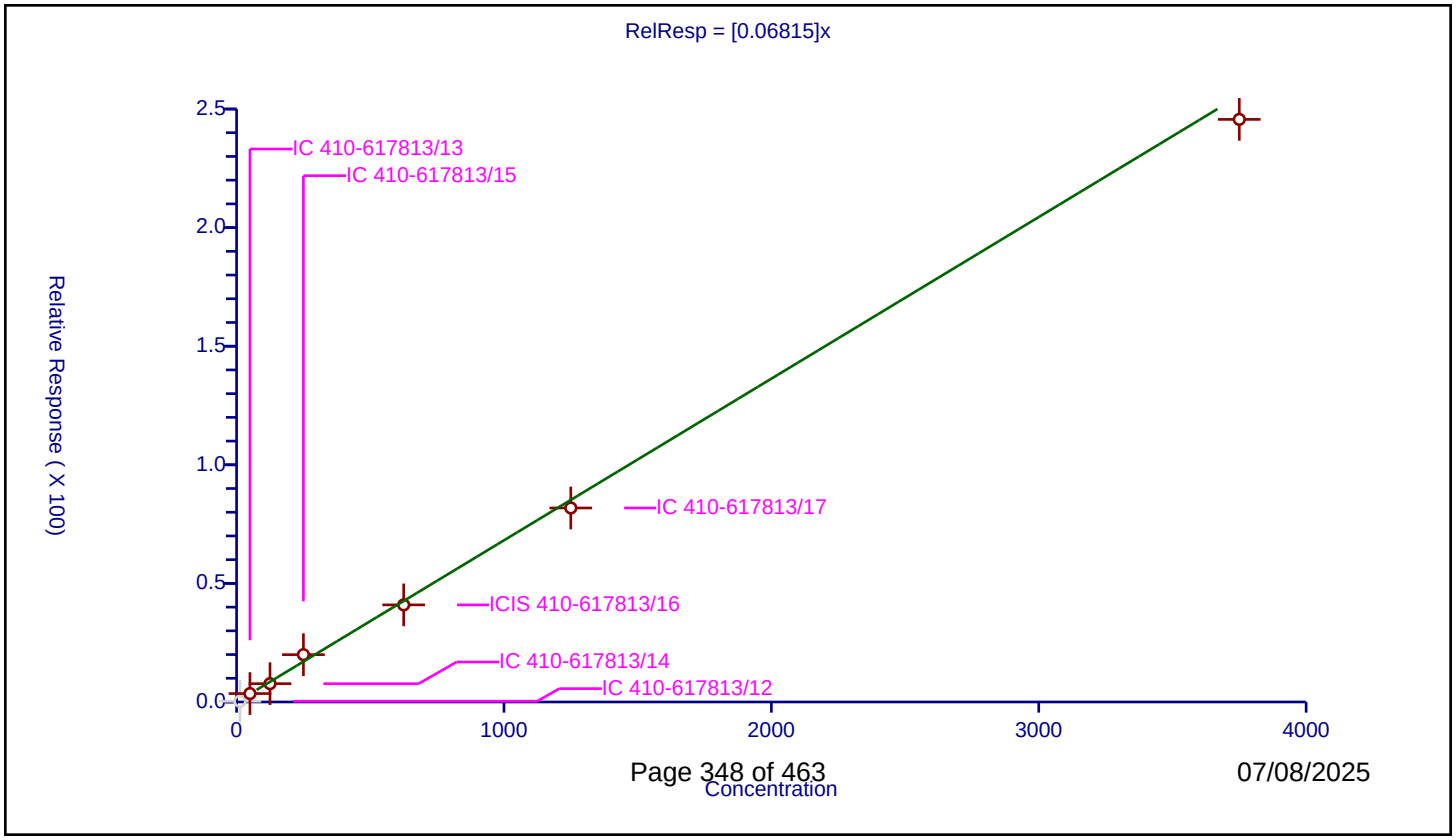
Curve Coefficients

Intercept:	0
Slope:	0.06815

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	12.5	0.323606	250.0	492884.0	0.025888	N
2	IC 410-617813/13	50.0	3.545588	250.0	506263.0	0.070912	Y
3	IC 410-617813/14	125.0	7.716277	250.0	467259.0	0.06173	Y
4	IC 410-617813/15	250.0	19.953961	250.0	517817.0	0.079816	Y
5	ICIS 410-617813/16	625.0	40.938492	250.0	483744.0	0.065502	Y
6	IC 410-617813/17	1250.0	81.796206	250.0	487110.0	0.065437	Y
7	IC 410-617813/18	3750.0	245.620951	250.0	418584.0	0.065499	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

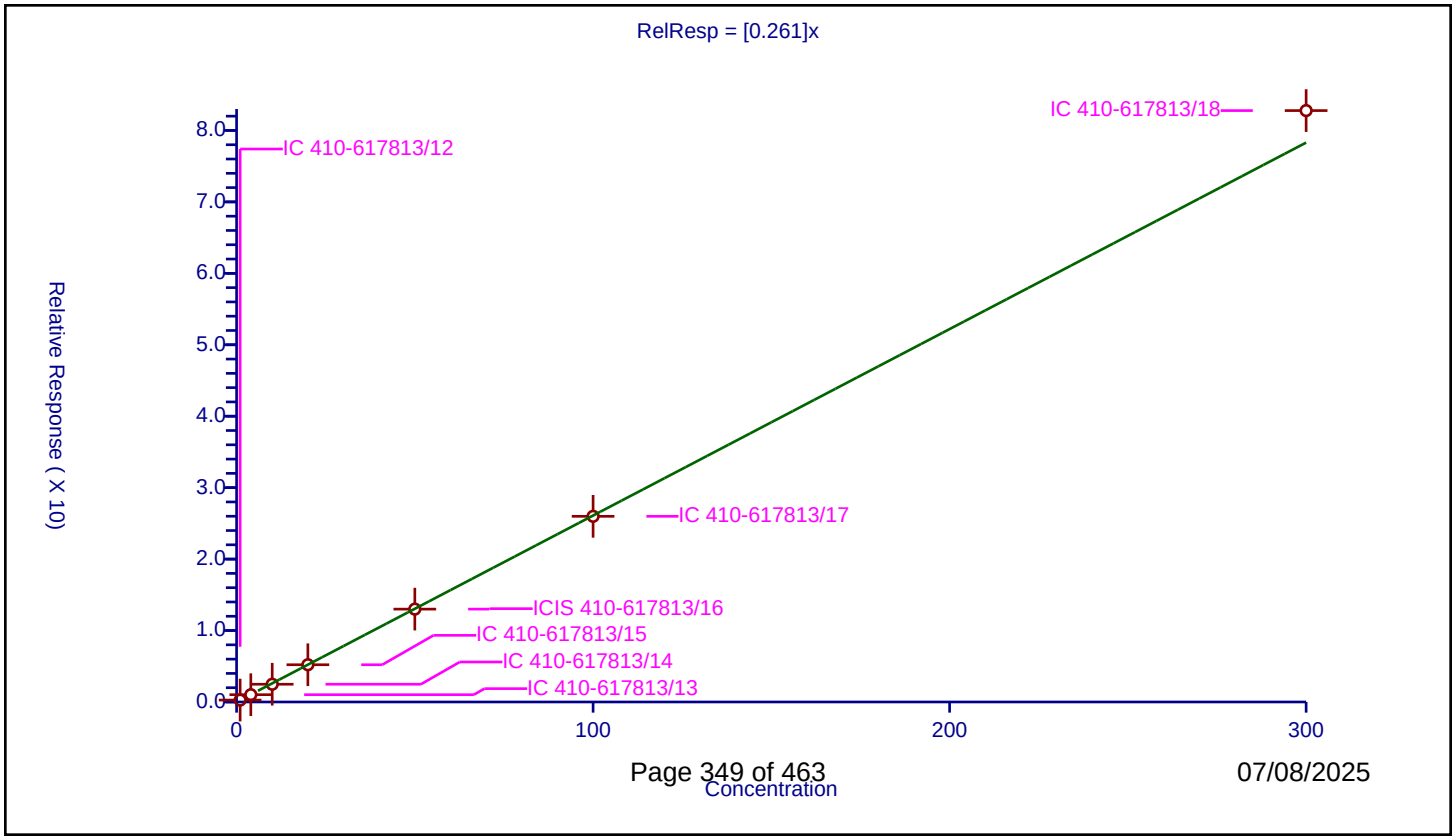
Curve Coefficients

Intercept:	0
Slope:	0.261

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.266635	50.0	954490.0	0.266635	Y
2	IC 410-617813/13	4.0	1.021779	50.0	926277.0	0.255445	Y
3	IC 410-617813/14	10.0	2.483416	50.0	935989.0	0.248342	Y
4	IC 410-617813/15	20.0	5.213076	50.0	952432.0	0.260654	Y
5	ICIS 410-617813/16	50.0	12.999517	50.0	954497.0	0.25999	Y
6	IC 410-617813/17	100.0	25.98868	50.0	955087.0	0.259887	Y
7	IC 410-617813/18	300.0	82.781266	50.0	992059.0	0.275938	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

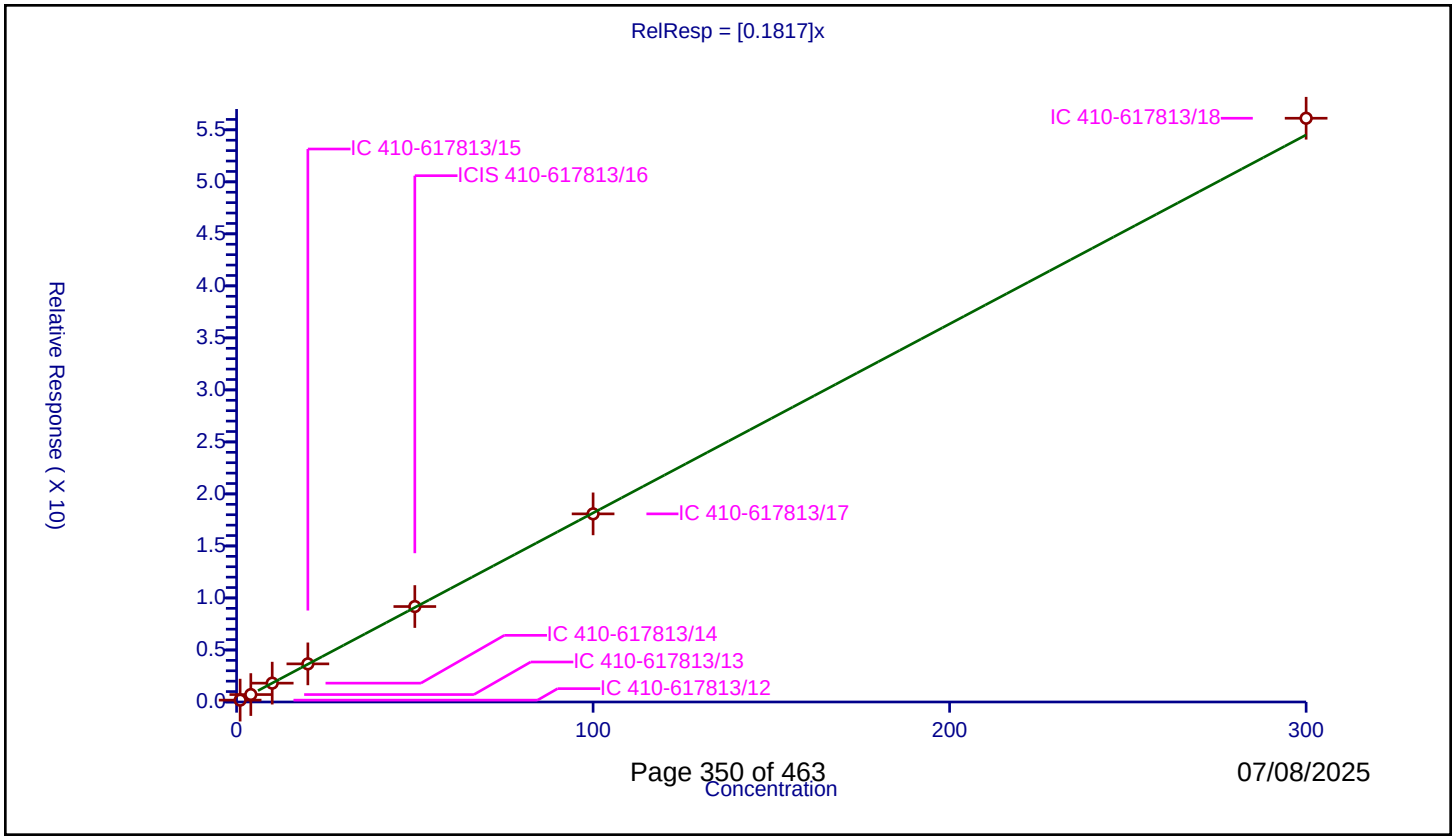
Curve Coefficients

Intercept:	0
Slope:	0.1817

Error Coefficients

Relative Standard Deviation:	1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.177687	50.0	954490.0	0.177687	Y
2	IC 410-617813/13	4.0	0.714635	50.0	926277.0	0.178659	Y
3	IC 410-617813/14	10.0	1.810652	50.0	935989.0	0.181065	Y
4	IC 410-617813/15	20.0	3.663201	50.0	952432.0	0.18316	Y
5	ICIS 410-617813/16	50.0	9.175042	50.0	954497.0	0.183501	Y
6	IC 410-617813/17	100.0	18.083693	50.0	955087.0	0.180837	Y
7	IC 410-617813/18	300.0	56.113447	50.0	992059.0	0.187045	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

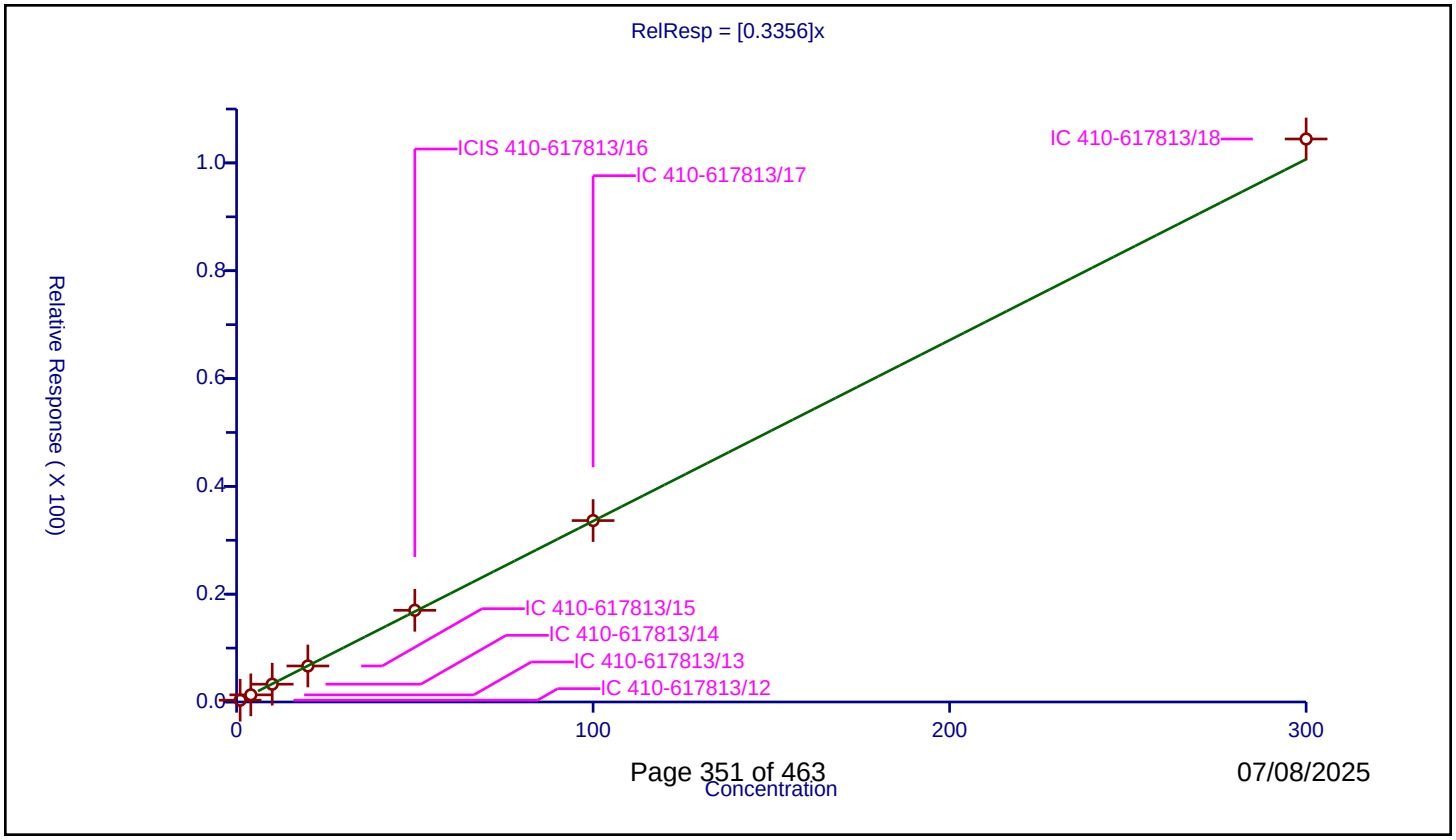
Curve Coefficients

Intercept:	0
Slope:	0.3356

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.329233	50.0	954490.0	0.329233	Y
2	IC 410-617813/13	4.0	1.322714	50.0	926277.0	0.330679	Y
3	IC 410-617813/14	10.0	3.303458	50.0	935989.0	0.330346	Y
4	IC 410-617813/15	20.0	6.681842	50.0	952432.0	0.334092	Y
5	ICIS 410-617813/16	50.0	17.010216	50.0	954497.0	0.340204	Y
6	IC 410-617813/17	100.0	33.656149	50.0	955087.0	0.336561	Y
7	IC 410-617813/18	300.0	104.438143	50.0	992059.0	0.348127	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

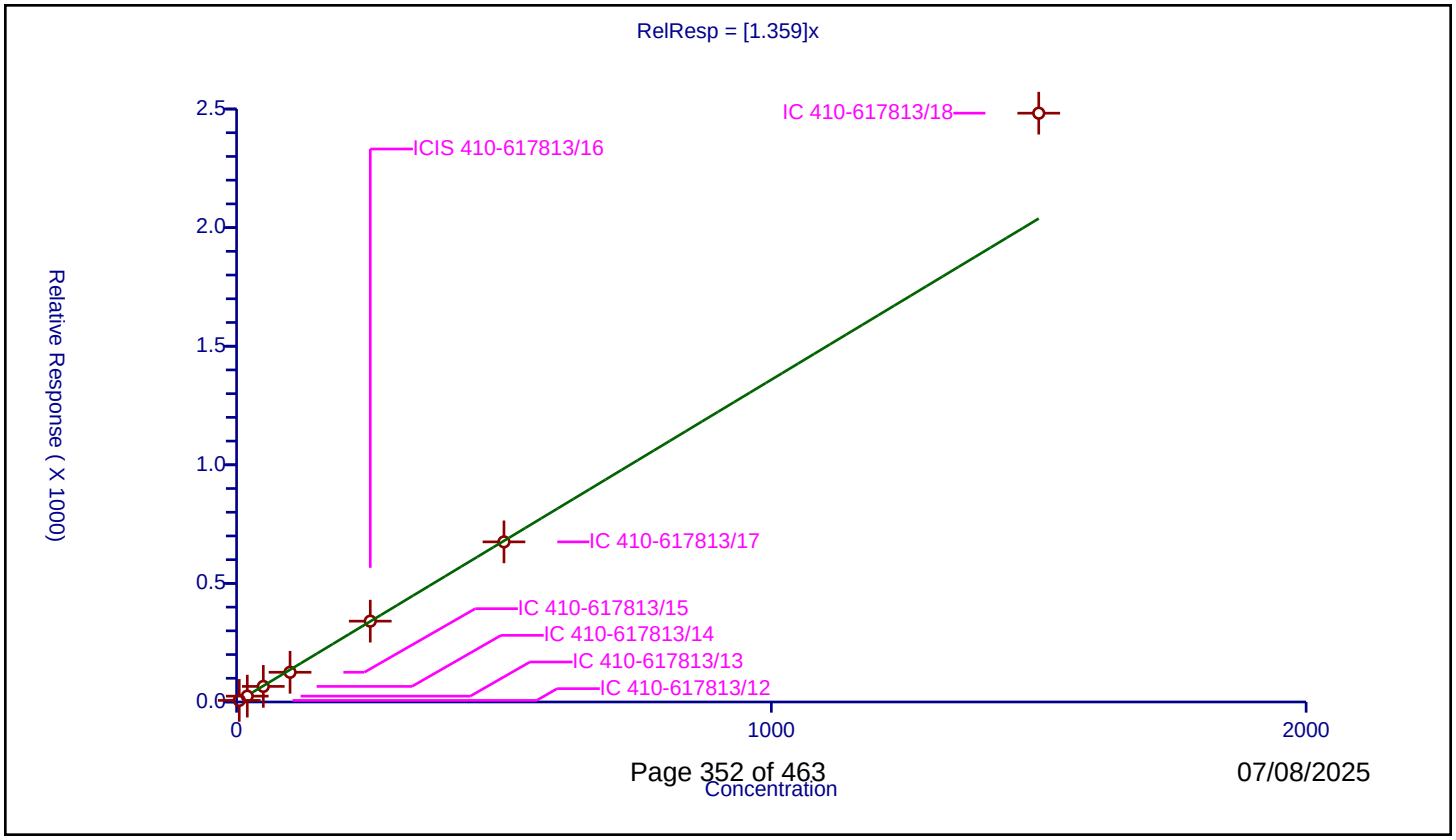
Curve Coefficients

Intercept:	0
Slope:	1.359

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	5.0	6.715069	250.0	492884.0	1.343014	Y
2	IC 410-617813/13	20.0	24.647762	250.0	506263.0	1.232388	Y
3	IC 410-617813/14	50.0	65.71195	250.0	467259.0	1.314239	Y
4	IC 410-617813/15	100.0	125.347855	250.0	517817.0	1.253479	Y
5	ICIS 410-617813/16	250.0	340.87813	250.0	483744.0	1.363513	Y
6	IC 410-617813/17	500.0	675.101107	250.0	487110.0	1.350202	Y
7	IC 410-617813/18	1500.0	2482.40616	250.0	418584.0	1.654937	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

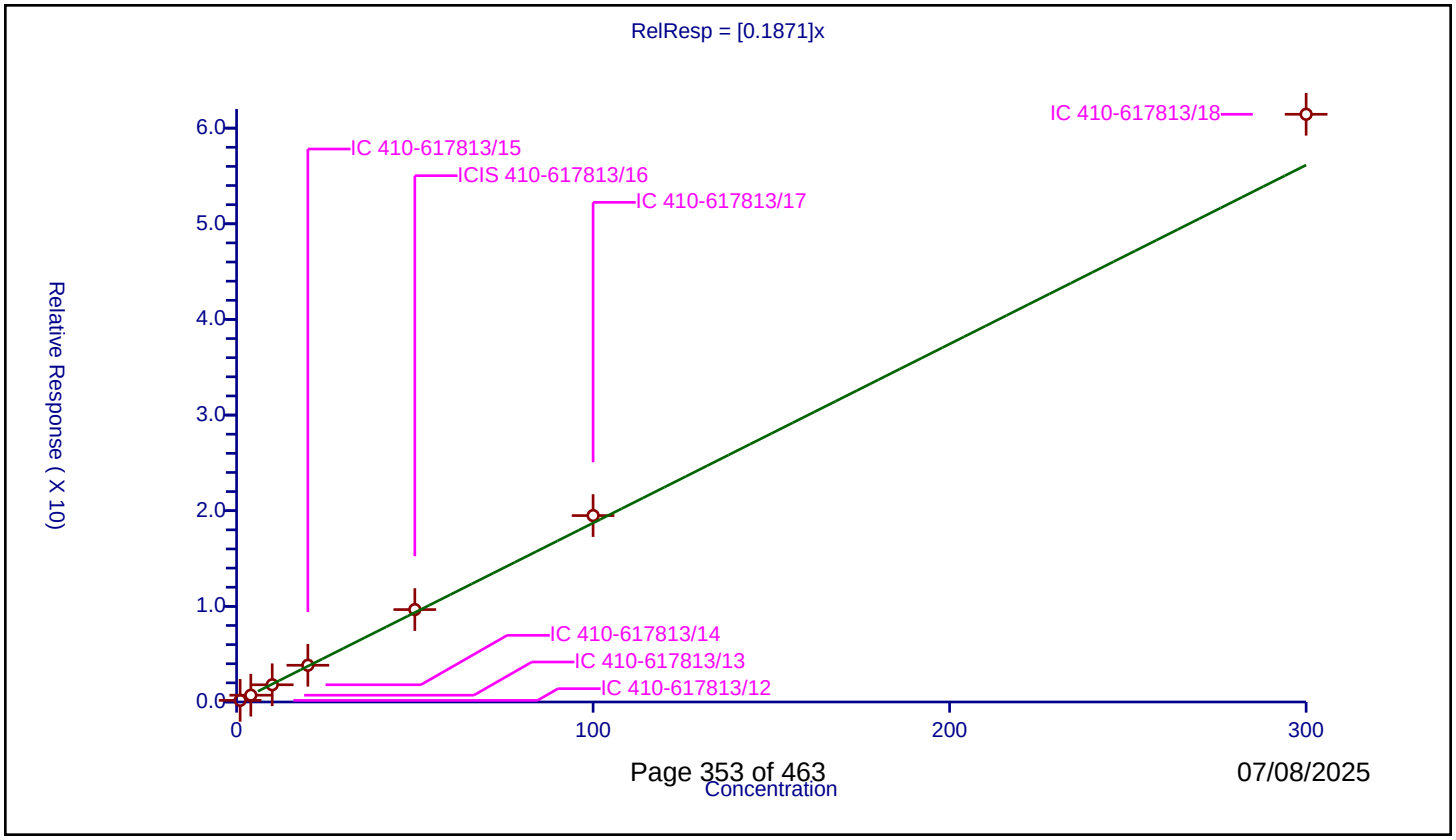
Curve Coefficients

Intercept:	0
Slope:	0.1871

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.167786	50.0	954490.0	0.167786	Y
2	IC 410-617813/13	4.0	0.709021	50.0	926277.0	0.177255	Y
3	IC 410-617813/14	10.0	1.79938	50.0	935989.0	0.179938	Y
4	IC 410-617813/15	20.0	3.840222	50.0	952432.0	0.192011	Y
5	ICIS 410-617813/16	50.0	9.662471	50.0	954497.0	0.193249	Y
6	IC 410-617813/17	100.0	19.491261	50.0	955087.0	0.194913	Y
7	IC 410-617813/18	300.0	61.449621	50.0	992059.0	0.204832	Y



07/08/2025

Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

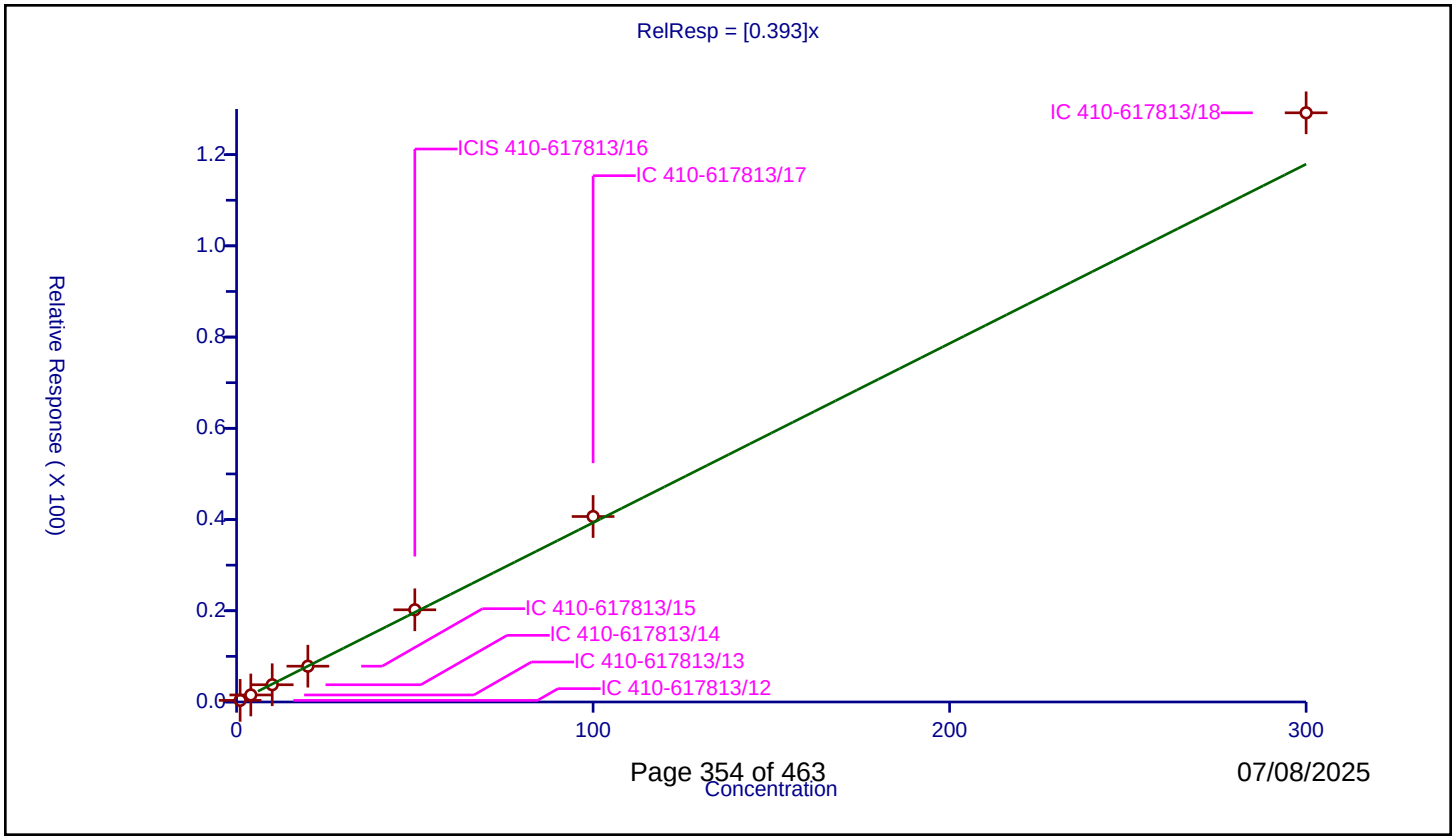
Curve Coefficients

Intercept:	0
Slope:	0.393

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.354535	50.0	954490.0	0.354535	Y
2	IC 410-617813/13	4.0	1.540198	50.0	926277.0	0.38505	Y
3	IC 410-617813/14	10.0	3.779745	50.0	935989.0	0.377975	Y
4	IC 410-617813/15	20.0	7.846019	50.0	952432.0	0.392301	Y
5	ICIS 410-617813/16	50.0	20.21405	50.0	954497.0	0.404281	Y
6	IC 410-617813/17	100.0	40.663678	50.0	955087.0	0.406637	Y
7	IC 410-617813/18	300.0	129.169938	50.0	992059.0	0.430566	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

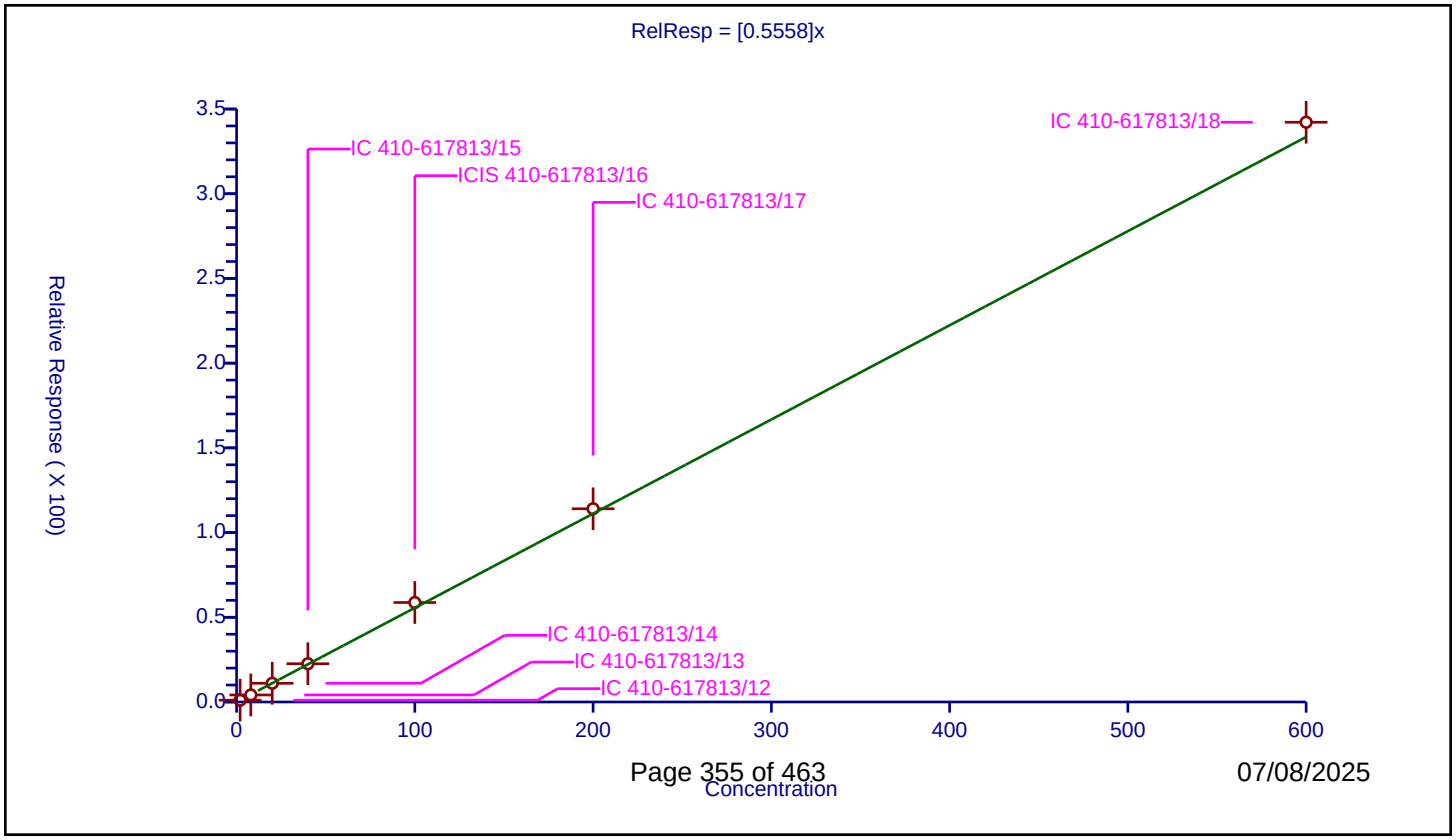
Curve Coefficients

Intercept:	0
Slope:	0.5558

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	2.0	1.056638	50.0	954490.0	0.528319	Y
2	IC 410-617813/13	8.0	4.143361	50.0	926277.0	0.51792	Y
3	IC 410-617813/14	20.0	11.047352	50.0	935989.0	0.552368	Y
4	IC 410-617813/15	40.0	22.573895	50.0	952432.0	0.564347	Y
5	ICIS 410-617813/16	100.0	58.717104	50.0	954497.0	0.587171	Y
6	IC 410-617813/17	200.0	114.05071	50.0	955087.0	0.570254	Y
7	IC 410-617813/18	600.0	342.191997	50.0	992059.0	0.57032	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

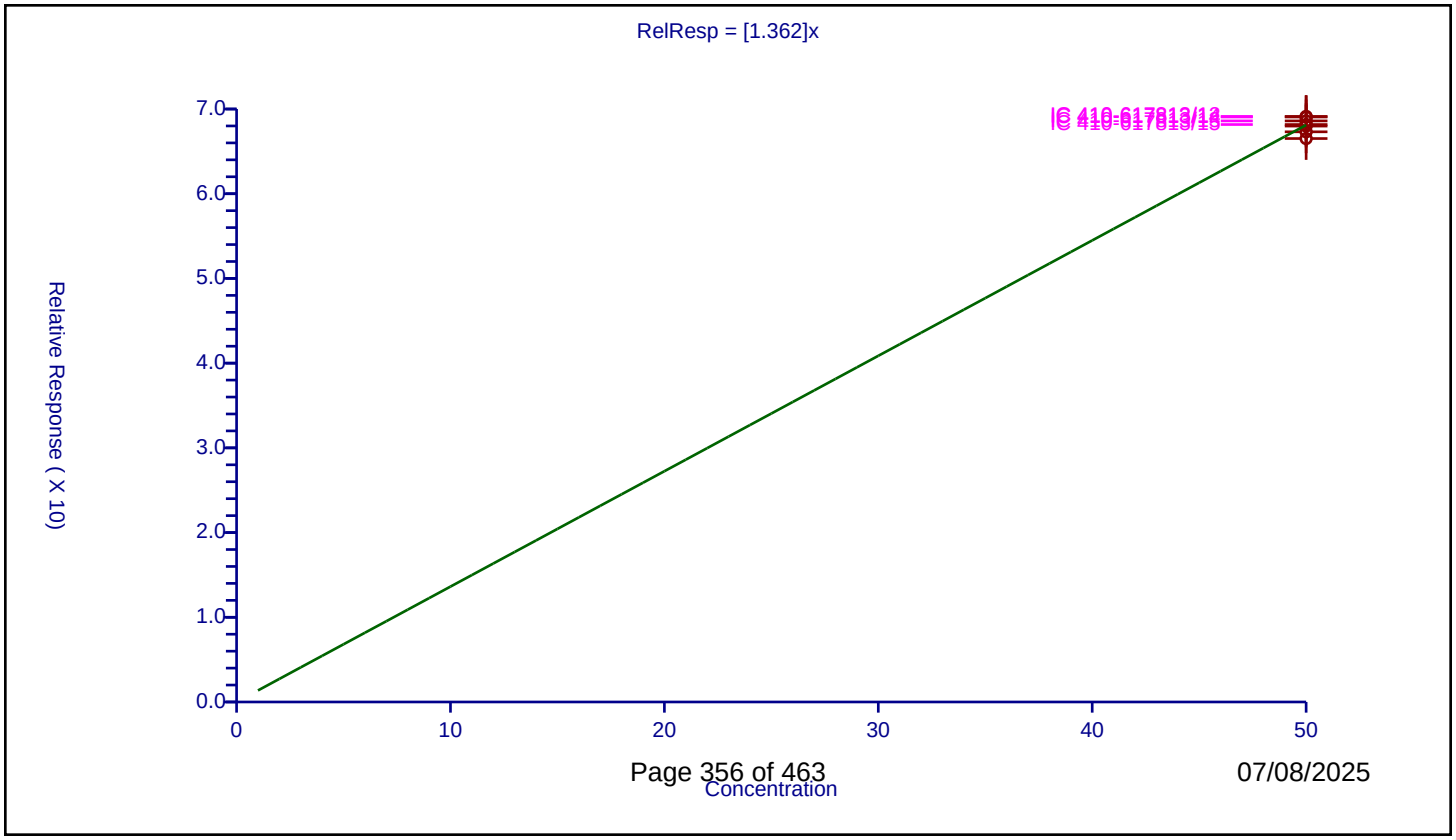
Curve Coefficients

Intercept:	0
Slope:	1.362

Error Coefficients

Relative Standard Deviation:	1.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	50.0	69.123972	50.0	673529.0	1.382479	Y
2	IC 410-617813/13	50.0	68.596314	50.0	666132.0	1.371926	Y
3	IC 410-617813/14	50.0	69.059147	50.0	664206.0	1.381183	Y
4	IC 410-617813/15	50.0	68.167834	50.0	686499.0	1.363357	Y
5	ICIS 410-617813/16	50.0	67.984191	50.0	697596.0	1.359684	Y
6	IC 410-617813/17	50.0	67.309334	50.0	715611.0	1.346187	Y
7	IC 410-617813/18	50.0	66.514273	50.0	779014.0	1.330285	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

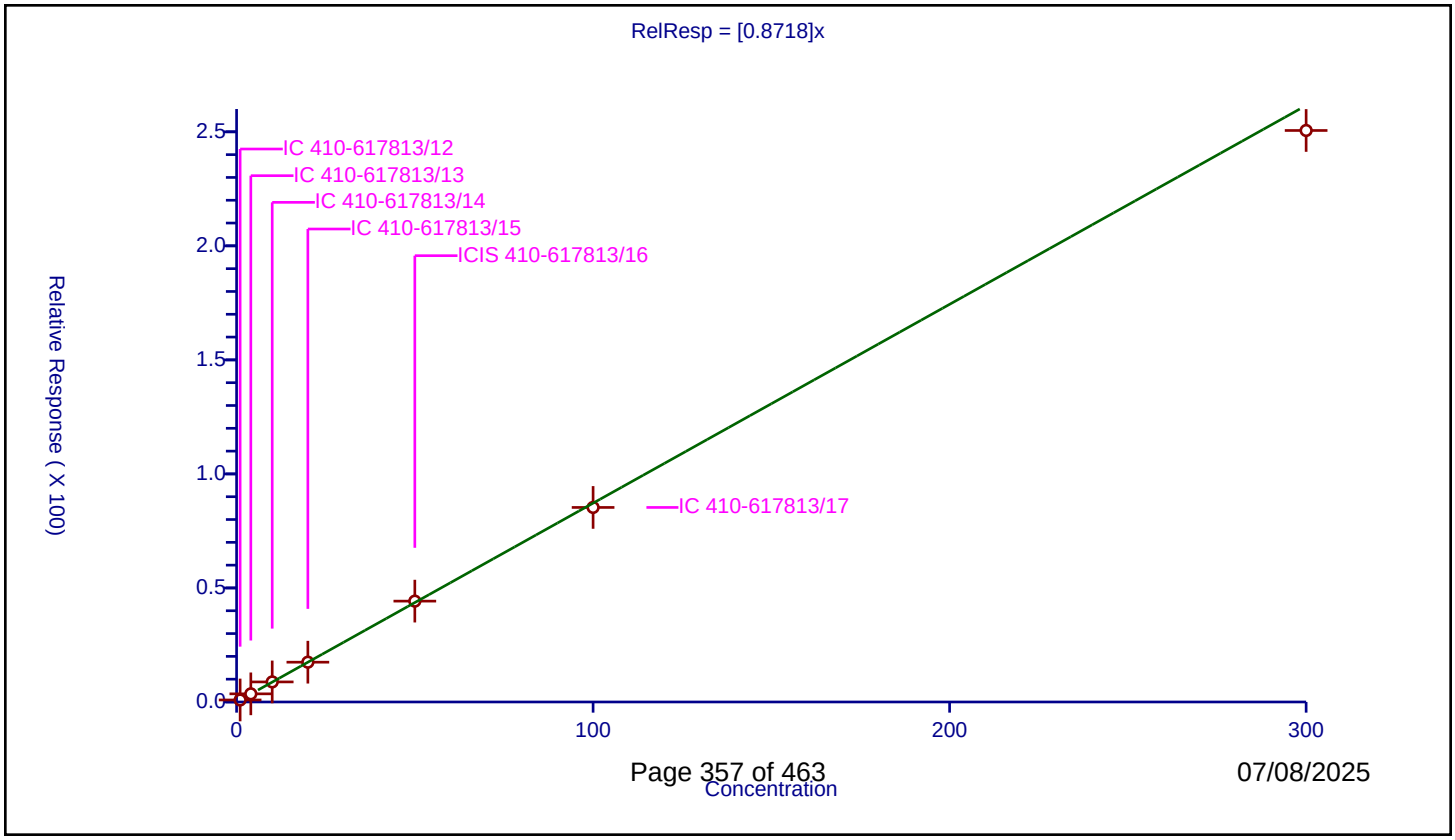
Curve Coefficients

Intercept:	0
Slope:	0.8718

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.884001	50.0	673529.0	0.884001	Y
2	IC 410-617813/13	4.0	3.571139	50.0	666132.0	0.892785	Y
3	IC 410-617813/14	10.0	8.803519	50.0	664206.0	0.880352	Y
4	IC 410-617813/15	20.0	17.454578	50.0	686499.0	0.872729	Y
5	ICIS 410-617813/16	50.0	44.227174	50.0	697596.0	0.884543	Y
6	IC 410-617813/17	100.0	85.303328	50.0	715611.0	0.853033	Y
7	IC 410-617813/18	300.0	250.592544	50.0	779014.0	0.835308	Y



07/08/2025

Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

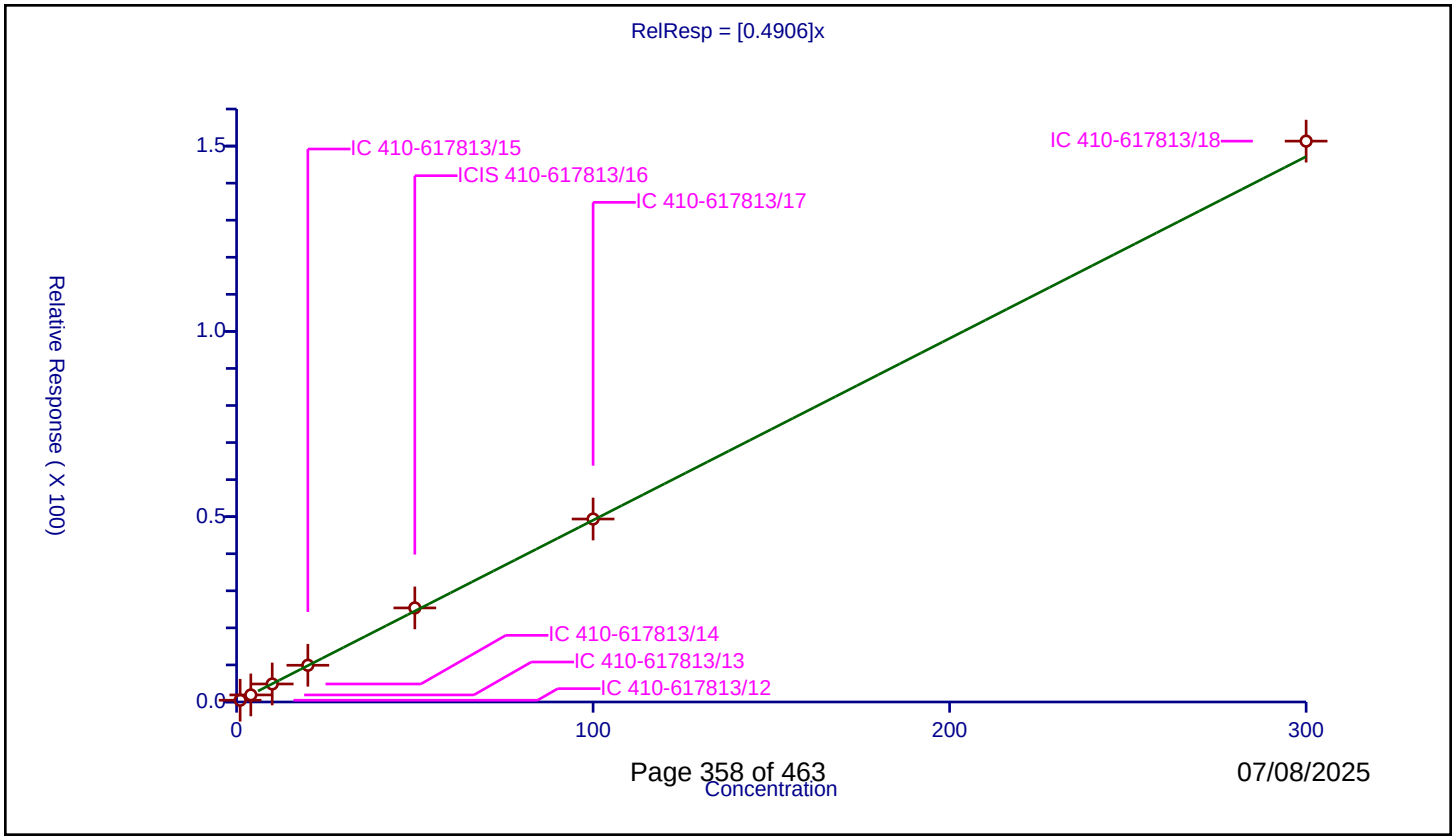
Curve Coefficients

Intercept:	0
Slope:	0.4906

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.471472	50.0	673529.0	0.471472	Y
2	IC 410-617813/13	4.0	1.90135	50.0	666132.0	0.475337	Y
3	IC 410-617813/14	10.0	4.856927	50.0	664206.0	0.485693	Y
4	IC 410-617813/15	20.0	9.910794	50.0	686499.0	0.49554	Y
5	ICIS 410-617813/16	50.0	25.382456	50.0	697596.0	0.507649	Y
6	IC 410-617813/17	100.0	49.370608	50.0	715611.0	0.493706	Y
7	IC 410-617813/18	300.0	151.340027	50.0	779014.0	0.504467	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

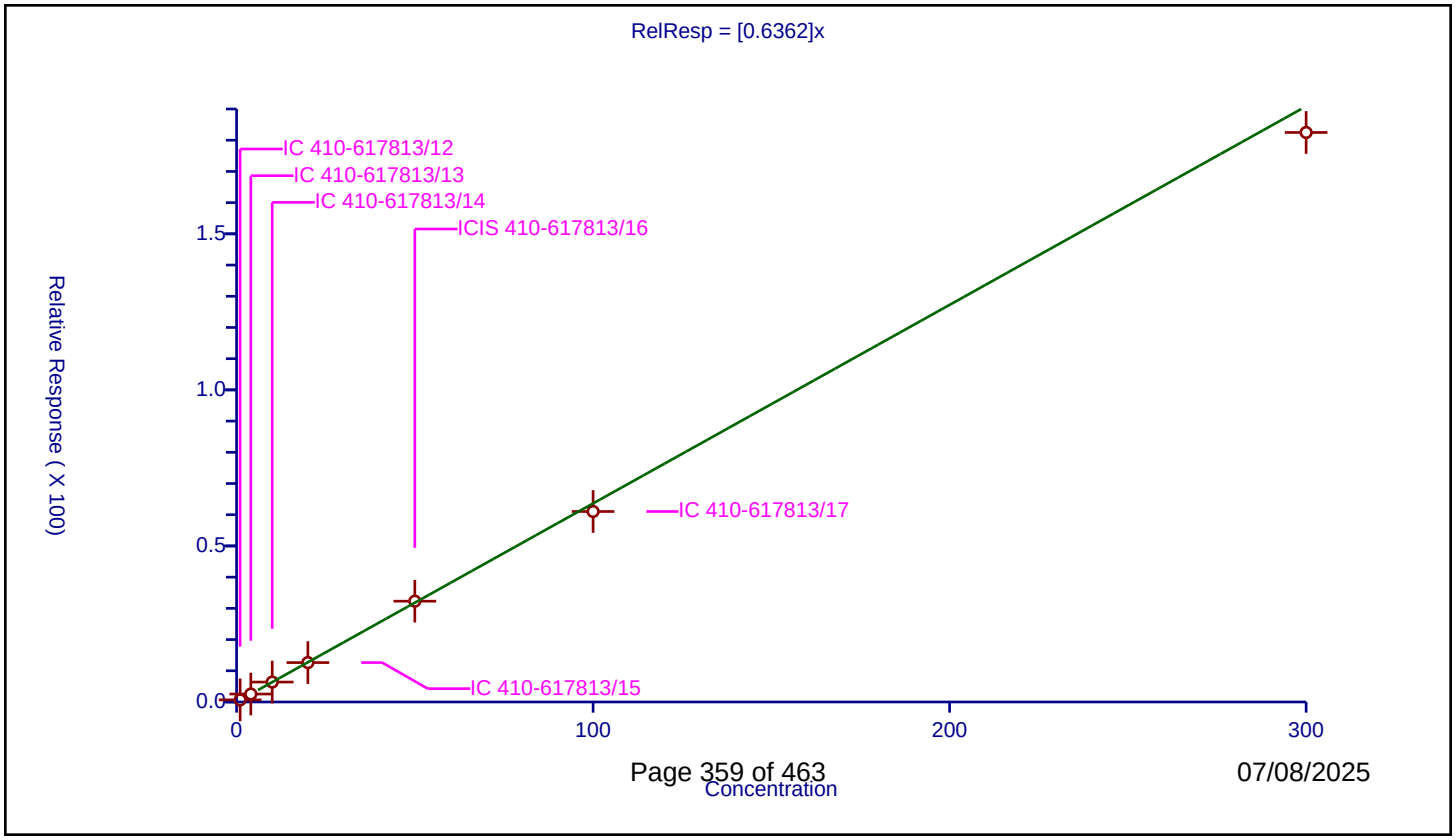
Curve Coefficients

Intercept:	0
Slope:	0.6362

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.682005	50.0	673529.0	0.682005	Y
2	IC 410-617813/13	4.0	2.547243	50.0	666132.0	0.636811	Y
3	IC 410-617813/14	10.0	6.390412	50.0	664206.0	0.639041	Y
4	IC 410-617813/15	20.0	12.621359	50.0	686499.0	0.631068	Y
5	ICIS 410-617813/16	50.0	32.301289	50.0	697596.0	0.646026	Y
6	IC 410-617813/17	100.0	61.038958	50.0	715611.0	0.61039	Y
7	IC 410-617813/18	300.0	182.476695	50.0	779014.0	0.608256	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

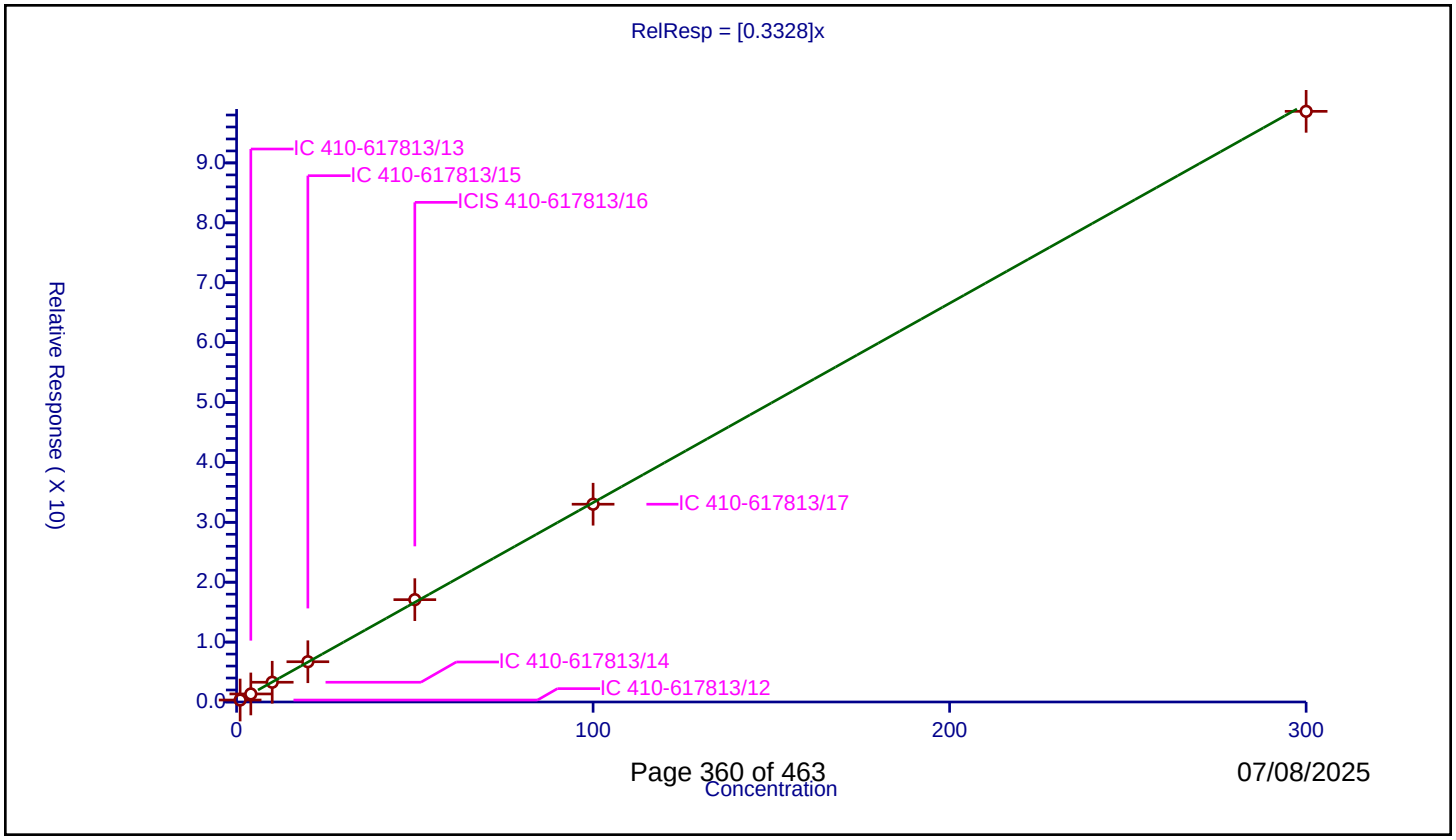
Curve Coefficients

Intercept:	0
Slope:	0.3328

Error Coefficients

Relative Standard Deviation:	1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.328642	50.0	673529.0	0.328642	Y
2	IC 410-617813/13	4.0	1.340575	50.0	666132.0	0.335144	Y
3	IC 410-617813/14	10.0	3.29461	50.0	664206.0	0.329461	Y
4	IC 410-617813/15	20.0	6.721277	50.0	686499.0	0.336064	Y
5	ICIS 410-617813/16	50.0	17.083097	50.0	697596.0	0.341662	Y
6	IC 410-617813/17	100.0	33.020384	50.0	715611.0	0.330204	Y
7	IC 410-617813/18	300.0	98.611899	50.0	779014.0	0.328706	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

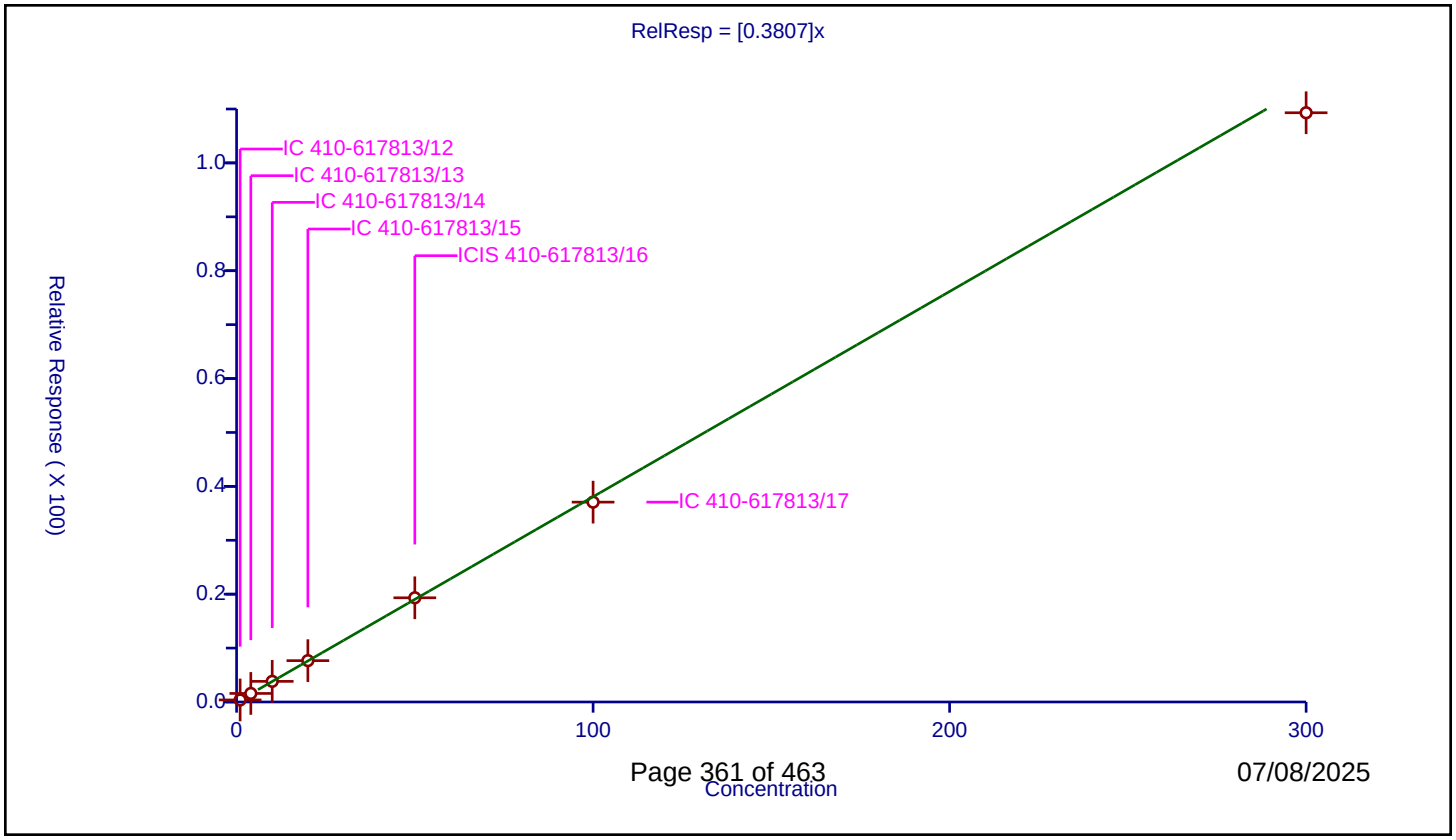
Curve Coefficients

Intercept:	0
Slope:	0.3807

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.380756	50.0	673529.0	0.380756	Y
2	IC 410-617813/13	4.0	1.585497	50.0	666132.0	0.396374	Y
3	IC 410-617813/14	10.0	3.827954	50.0	664206.0	0.382795	Y
4	IC 410-617813/15	20.0	7.672262	50.0	686499.0	0.383613	Y
5	ICIS 410-617813/16	50.0	19.327734	50.0	697596.0	0.386555	Y
6	IC 410-617813/17	100.0	37.071677	50.0	715611.0	0.370717	Y
7	IC 410-617813/18	300.0	109.306893	50.0	779014.0	0.364356	Y



07/08/2025

Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

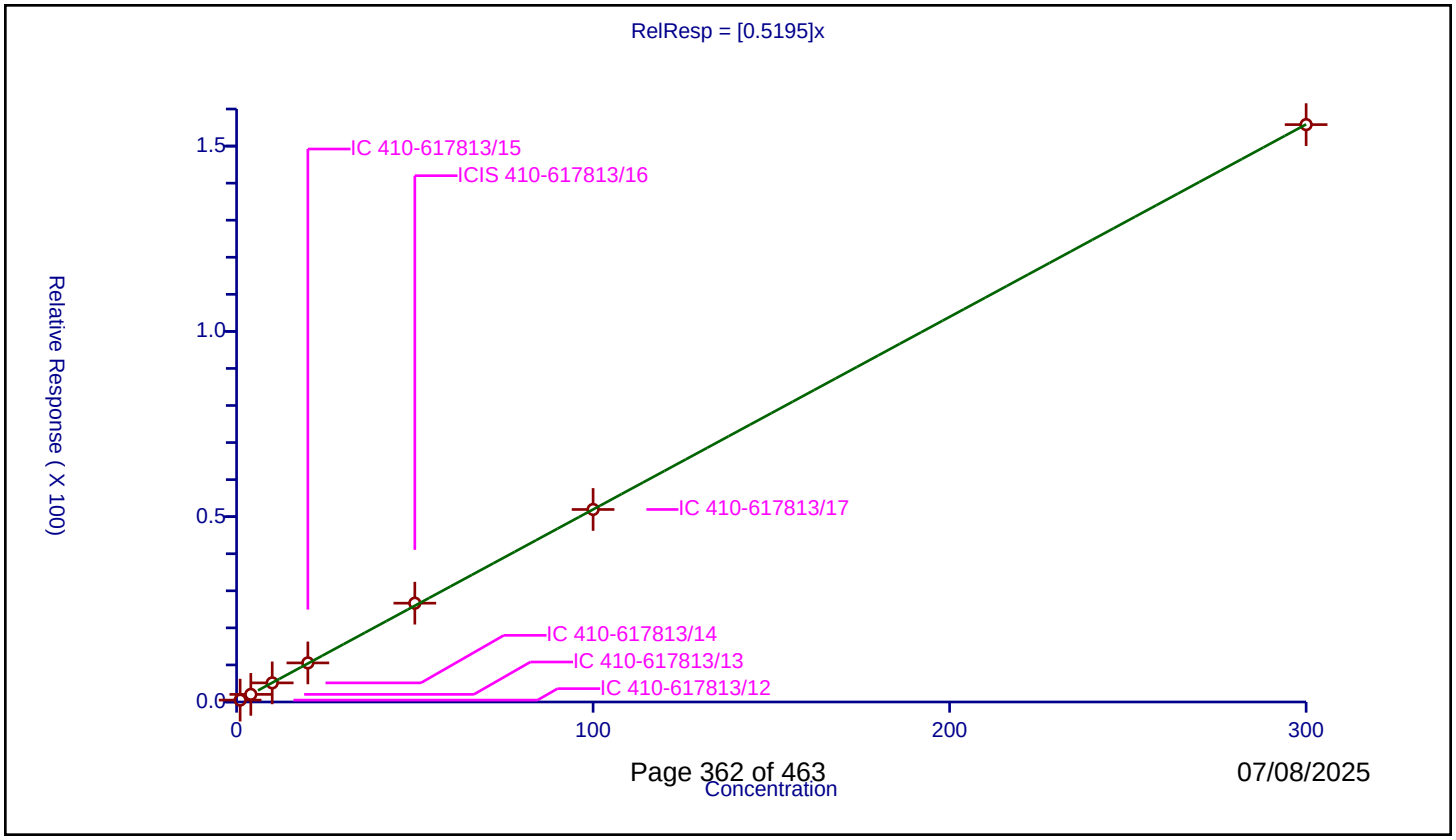
Curve Coefficients

Intercept:	0
Slope:	0.5195

Error Coefficients

Relative Standard Deviation:	1.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.508664	50.0	673529.0	0.508664	Y
2	IC 410-617813/13	4.0	2.053947	50.0	666132.0	0.513487	Y
3	IC 410-617813/14	10.0	5.1545	50.0	664206.0	0.51545	Y
4	IC 410-617813/15	20.0	10.543861	50.0	686499.0	0.527193	Y
5	ICIS 410-617813/16	50.0	26.659915	50.0	697596.0	0.533198	Y
6	IC 410-617813/17	100.0	51.948125	50.0	715611.0	0.519481	Y
7	IC 410-617813/18	300.0	155.788086	50.0	779014.0	0.519294	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

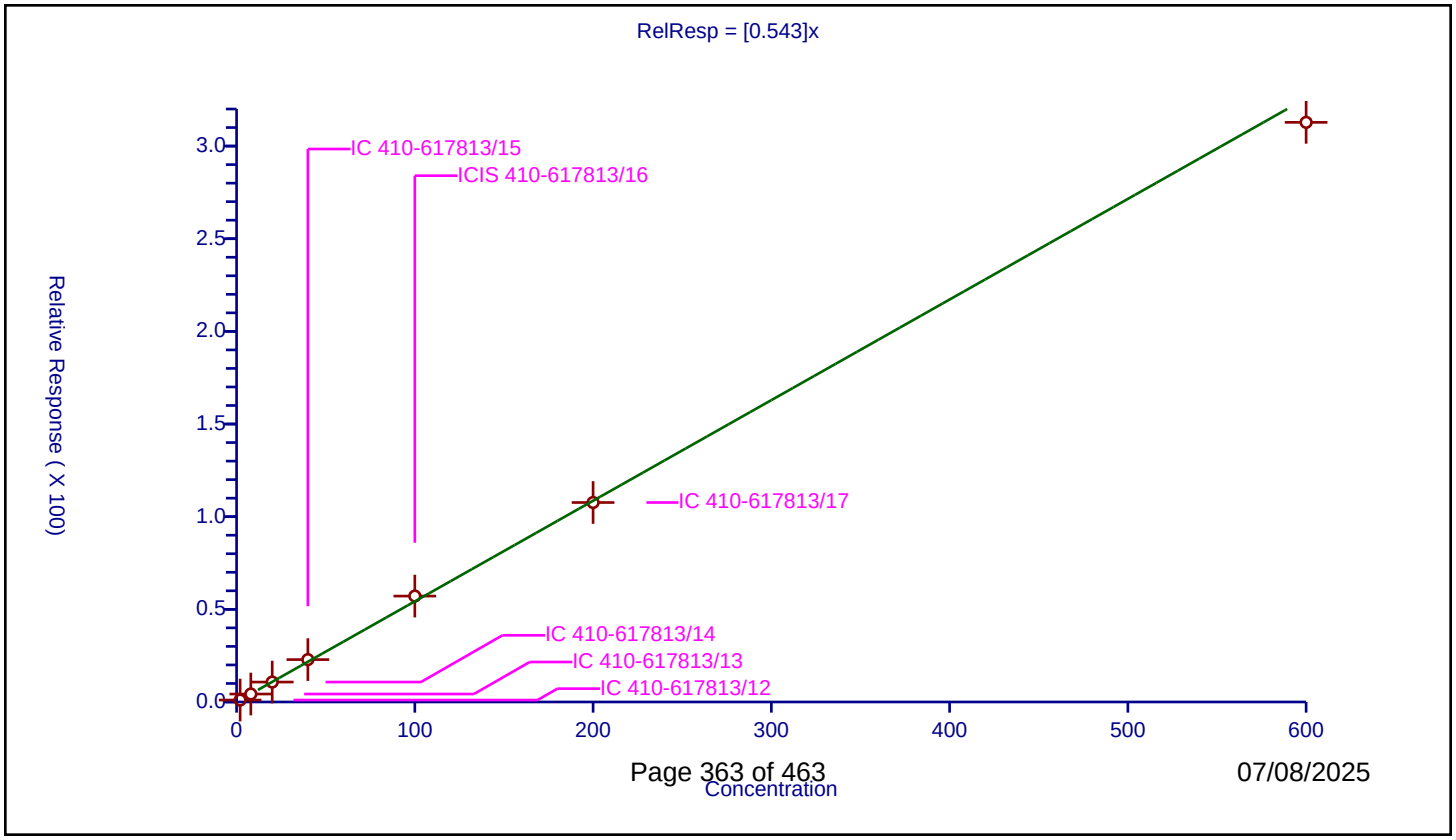
Curve Coefficients

Intercept:	0
Slope:	0.543

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	2.0	1.045389	50.0	673529.0	0.522695	Y
2	IC 410-617813/13	8.0	4.299974	50.0	666132.0	0.537497	Y
3	IC 410-617813/14	20.0	10.752462	50.0	664206.0	0.537623	Y
4	IC 410-617813/15	40.0	22.876071	50.0	686499.0	0.571902	Y
5	ICIS 410-617813/16	100.0	57.146687	50.0	697596.0	0.571467	Y
6	IC 410-617813/17	200.0	107.649407	50.0	715611.0	0.538247	Y
7	IC 410-617813/18	600.0	312.806573	50.0	779014.0	0.521344	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

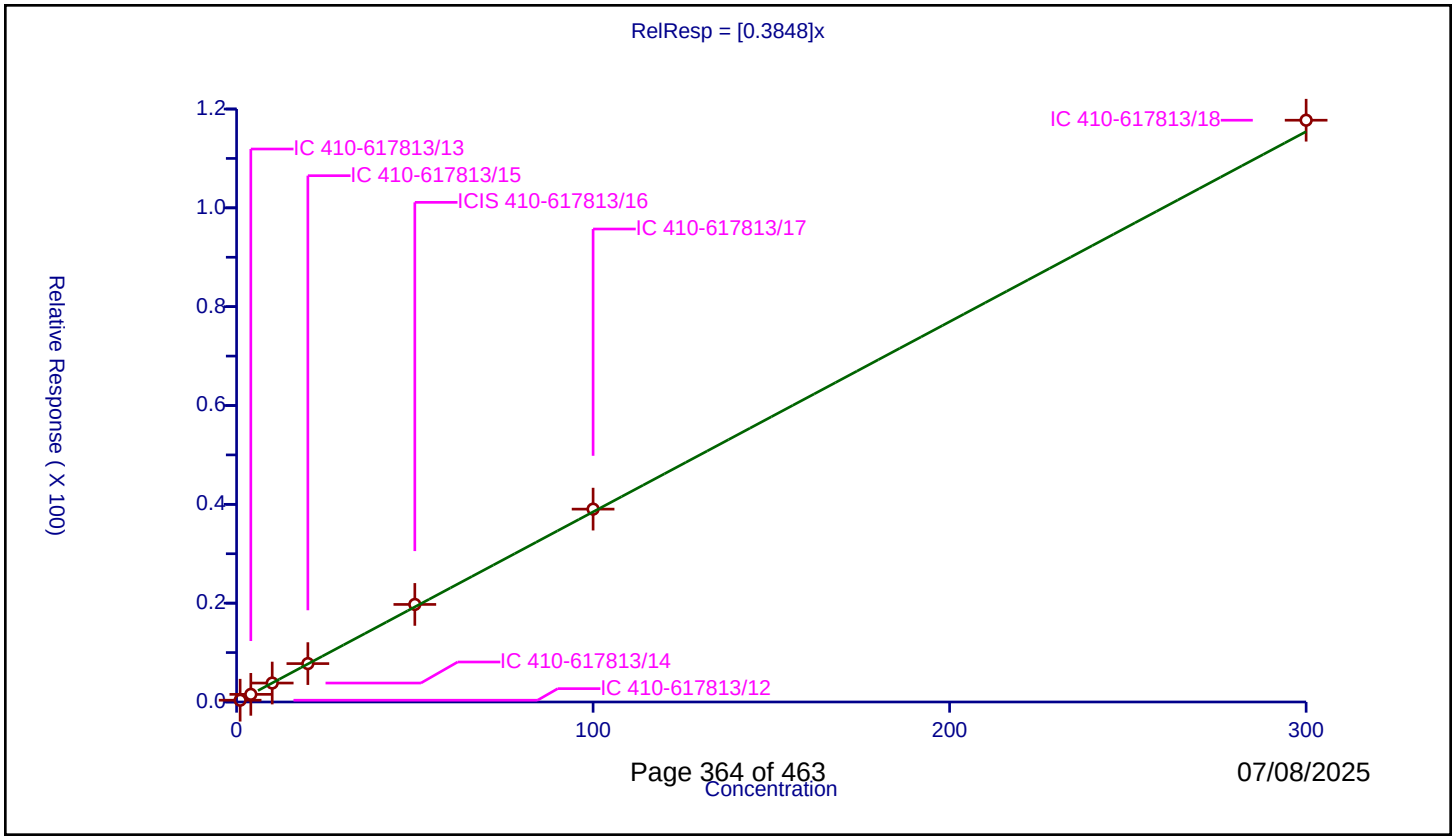
Curve Coefficients

Intercept:	0
Slope:	0.3848

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.357965	50.0	673529.0	0.357965	Y
2	IC 410-617813/13	4.0	1.544439	50.0	666132.0	0.38611	Y
3	IC 410-617813/14	10.0	3.832696	50.0	664206.0	0.38327	Y
4	IC 410-617813/15	20.0	7.769494	50.0	686499.0	0.388475	Y
5	ICIS 410-617813/16	50.0	19.745096	50.0	697596.0	0.394902	Y
6	IC 410-617813/17	100.0	39.029794	50.0	715611.0	0.390298	Y
7	IC 410-617813/18	300.0	117.734855	50.0	779014.0	0.39245	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

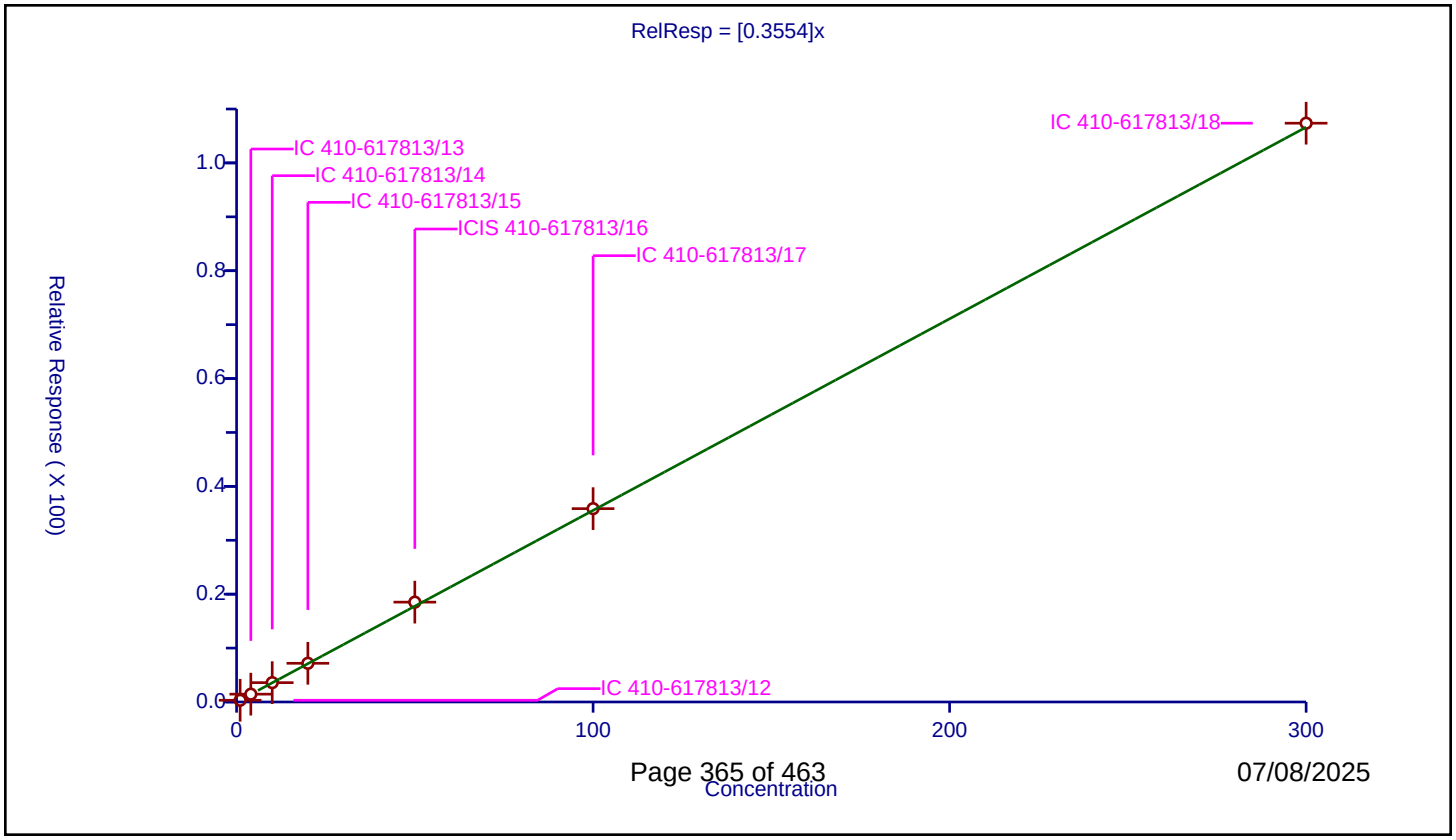
Curve Coefficients

Intercept:	0
Slope:	0.3554

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.320179	50.0	673529.0	0.320179	Y
2	IC 410-617813/13	4.0	1.45204	50.0	666132.0	0.36301	Y
3	IC 410-617813/14	10.0	3.586538	50.0	664206.0	0.358654	Y
4	IC 410-617813/15	20.0	7.180855	50.0	686499.0	0.359043	Y
5	ICIS 410-617813/16	50.0	18.523042	50.0	697596.0	0.370461	Y
6	IC 410-617813/17	100.0	35.866274	50.0	715611.0	0.358663	Y
7	IC 410-617813/18	300.0	107.366363	50.0	779014.0	0.357888	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

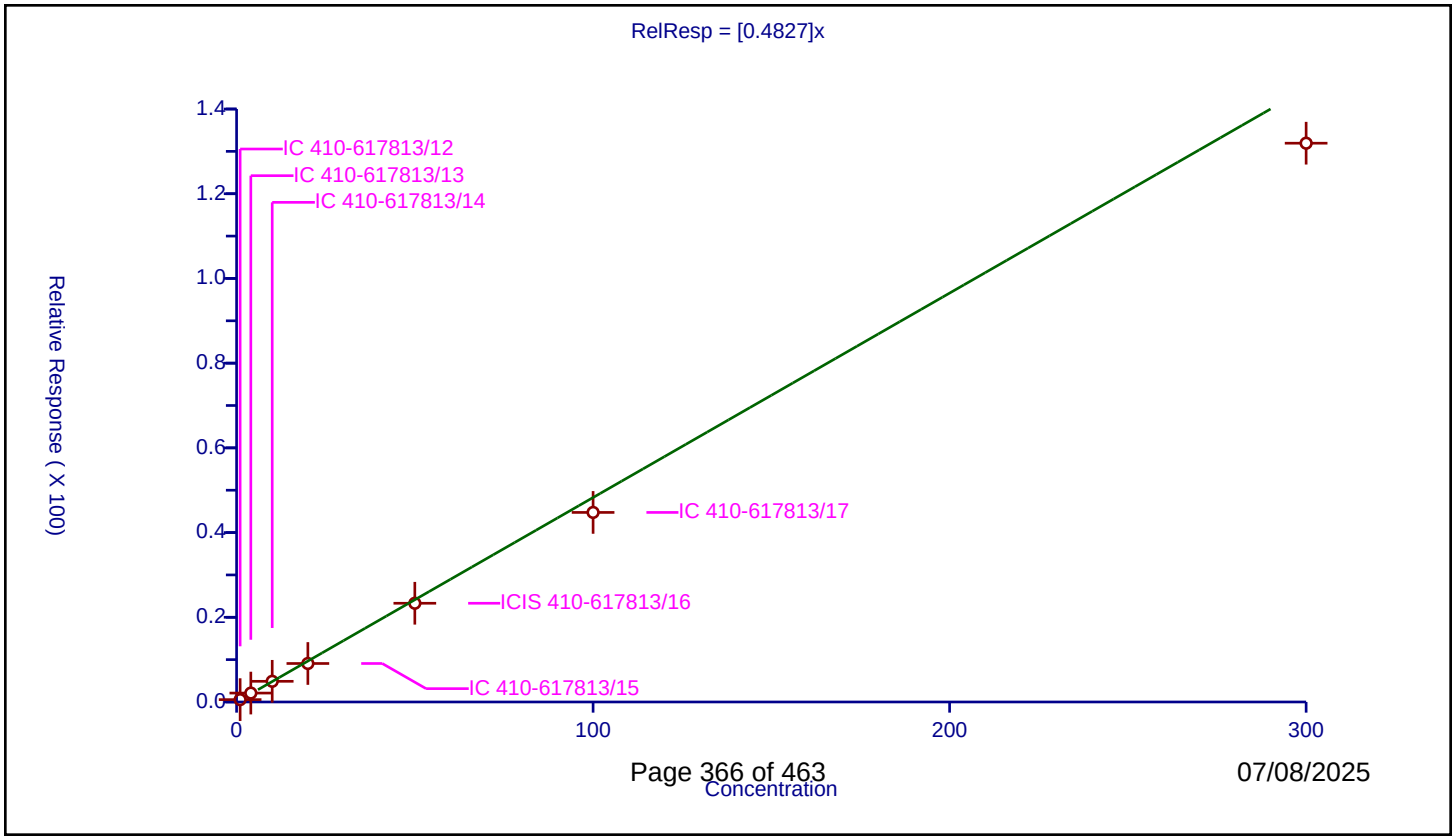
Curve Coefficients

Intercept:	0
Slope:	0.4827

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.556843	50.0	673529.0	0.556843	Y
2	IC 410-617813/13	4.0	2.105063	50.0	666132.0	0.526266	Y
3	IC 410-617813/14	10.0	4.880112	50.0	664206.0	0.488011	Y
4	IC 410-617813/15	20.0	9.087632	50.0	686499.0	0.454382	Y
5	ICIS 410-617813/16	50.0	23.309838	50.0	697596.0	0.466197	Y
6	IC 410-617813/17	100.0	44.754622	50.0	715611.0	0.447546	Y
7	IC 410-617813/18	300.0	131.930748	50.0	779014.0	0.439769	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

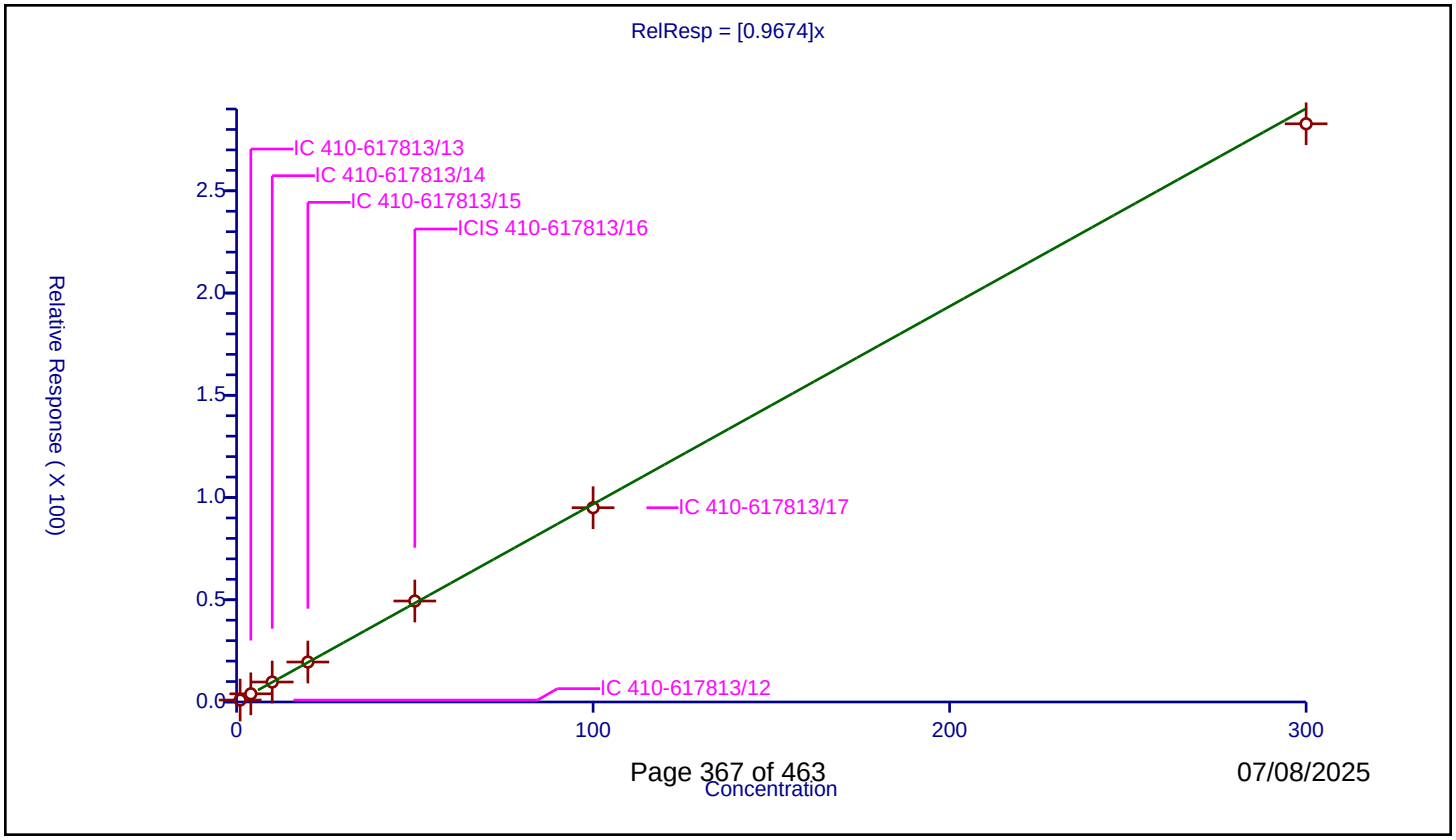
Curve Coefficients

Intercept:	0
Slope:	0.9674

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.939677	50.0	673529.0	0.939677	Y
2	IC 410-617813/13	4.0	3.994328	50.0	666132.0	0.998582	Y
3	IC 410-617813/14	10.0	9.761429	50.0	664206.0	0.976143	Y
4	IC 410-617813/15	20.0	19.542782	50.0	686499.0	0.977139	Y
5	ICIS 410-617813/16	50.0	49.375641	50.0	697596.0	0.987513	Y
6	IC 410-617813/17	100.0	95.018732	50.0	715611.0	0.950187	Y
7	IC 410-617813/18	300.0	282.772903	50.0	779014.0	0.942576	Y



Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

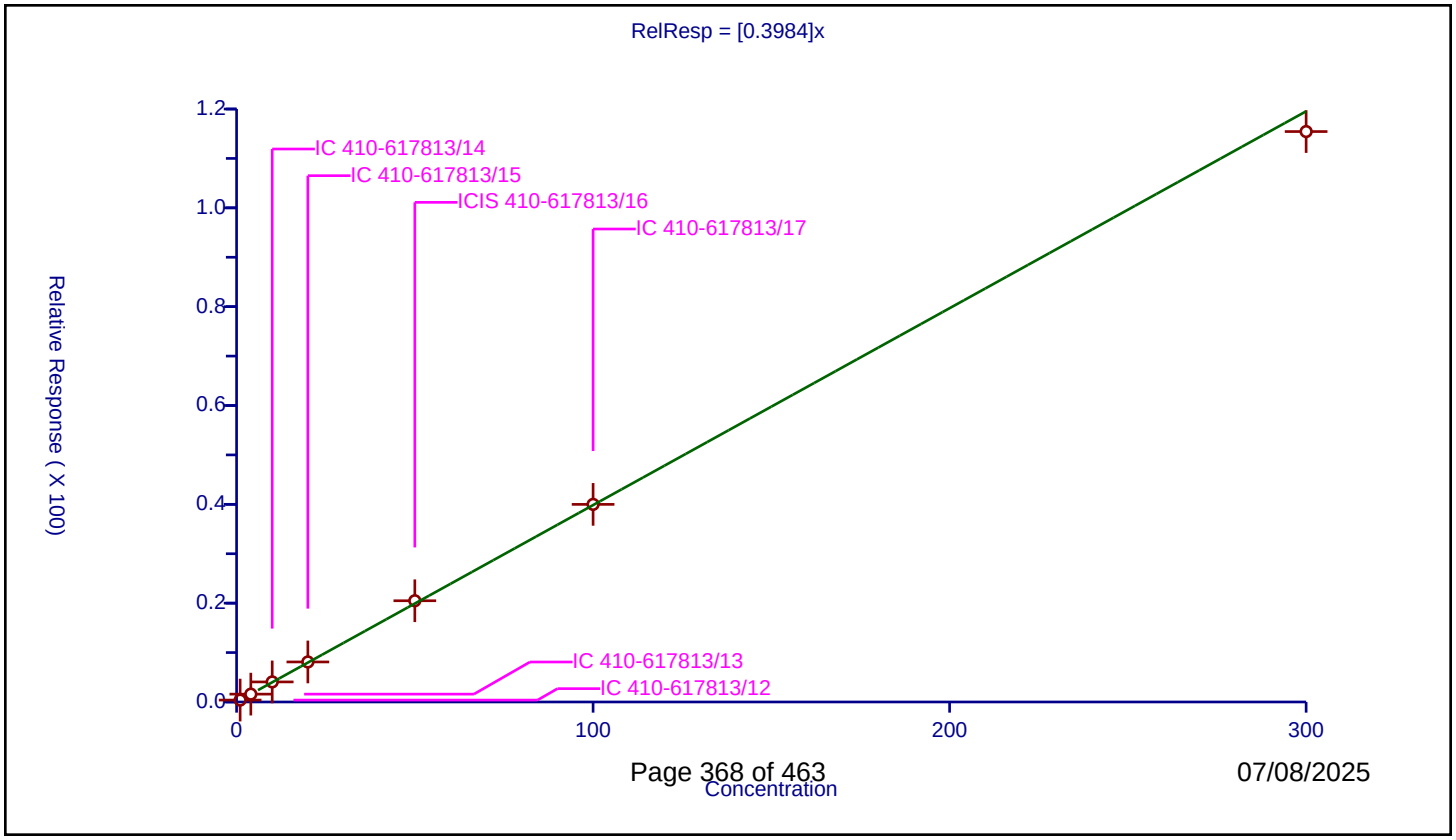
Curve Coefficients

Intercept:	0
Slope:	0.3984

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.386249	50.0	673529.0	0.386249	Y
2	IC 410-617813/13	4.0	1.588649	50.0	666132.0	0.397162	Y
3	IC 410-617813/14	10.0	4.061165	50.0	664206.0	0.406116	Y
4	IC 410-617813/15	20.0	8.102197	50.0	686499.0	0.40511	Y
5	ICIS 410-617813/16	50.0	20.488936	50.0	697596.0	0.409779	Y
6	IC 410-617813/17	100.0	39.990162	50.0	715611.0	0.399902	Y
7	IC 410-617813/18	300.0	115.442149	50.0	779014.0	0.384807	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

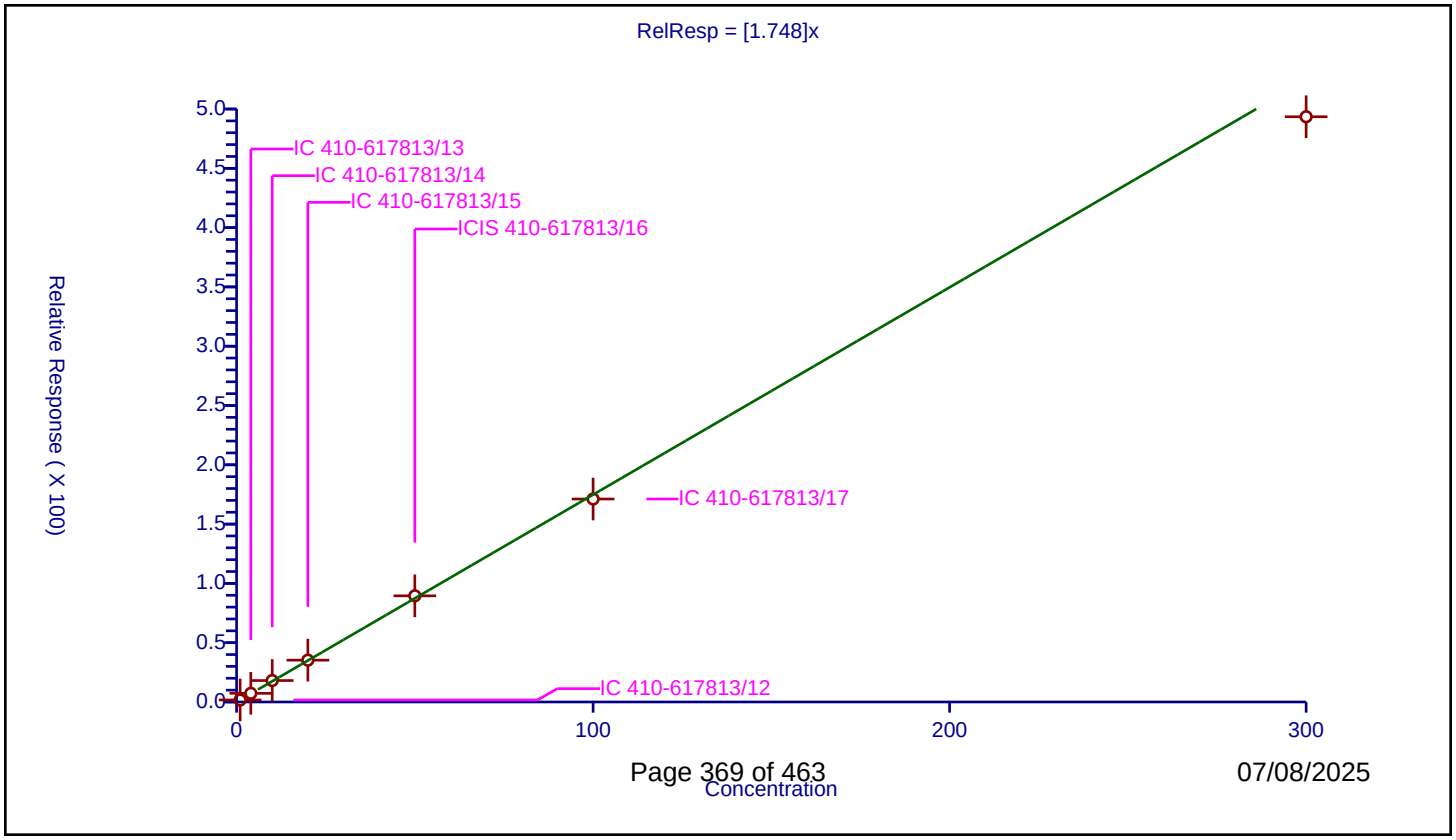
Curve Coefficients

Intercept:	0
Slope:	1.748

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	1.692429	50.0	673529.0	1.692429	Y
2	IC 410-617813/13	4.0	7.299379	50.0	666132.0	1.824845	Y
3	IC 410-617813/14	10.0	18.097774	50.0	664206.0	1.809777	Y
4	IC 410-617813/15	20.0	35.272666	50.0	686499.0	1.763633	Y
5	ICIS 410-617813/16	50.0	89.514633	50.0	697596.0	1.790293	Y
6	IC 410-617813/17	100.0	171.15451	50.0	715611.0	1.711545	Y
7	IC 410-617813/18	300.0	493.48728	50.0	779014.0	1.644958	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

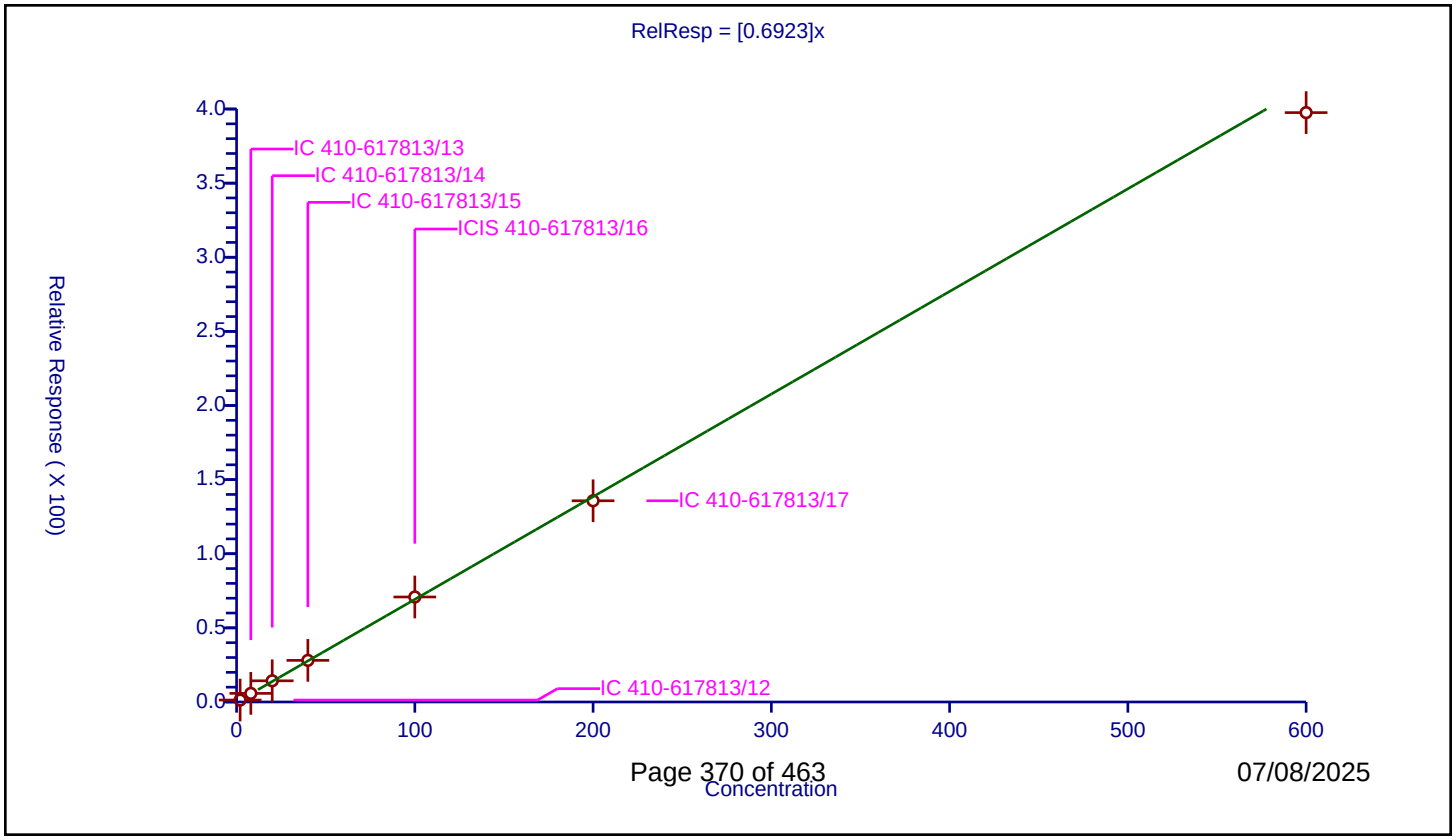
Curve Coefficients

Intercept:	0
Slope:	0.6923

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	2.0	1.312119	50.0	673529.0	0.656059	Y
2	IC 410-617813/13	8.0	5.796749	50.0	666132.0	0.724594	Y
3	IC 410-617813/14	20.0	14.289693	50.0	664206.0	0.714485	Y
4	IC 410-617813/15	40.0	28.066319	50.0	686499.0	0.701658	Y
5	ICIS 410-617813/16	100.0	70.825306	50.0	697596.0	0.708253	Y
6	IC 410-617813/17	200.0	135.729887	50.0	715611.0	0.678649	Y
7	IC 410-617813/18	600.0	397.568015	50.0	779014.0	0.662613	Y



Calibration / n-Butyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

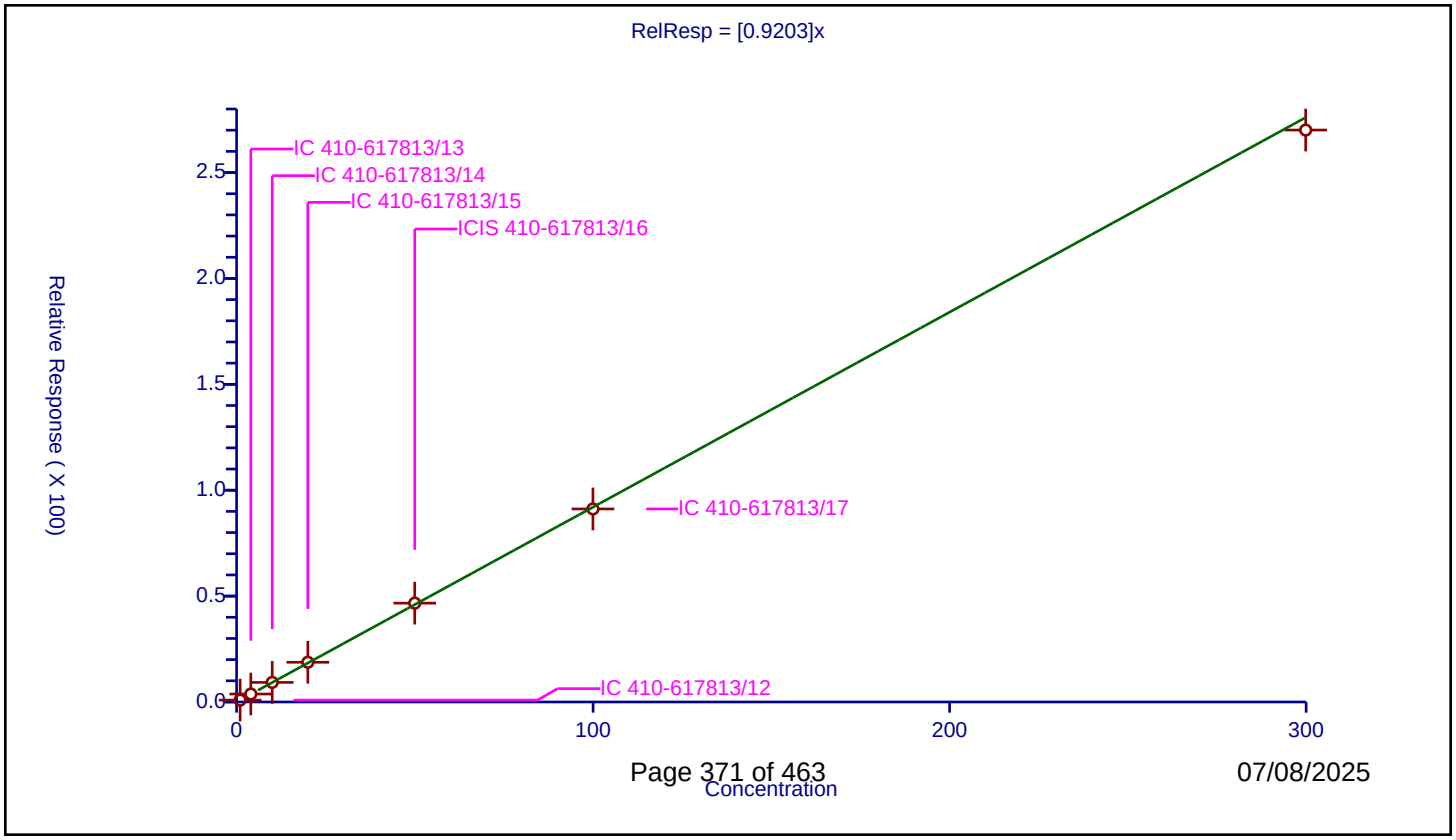
Curve Coefficients

Intercept:	0
Slope:	0.9203

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	0.999582	0.891276	50.0	673529.0	0.891648	Y
2	IC 410-617813/13	3.99833	3.762092	50.0	666132.0	0.940916	Y
3	IC 410-617813/14	9.995824	9.249389	50.0	664206.0	0.925325	Y
4	IC 410-617813/15	19.991648	18.751885	50.0	686499.0	0.937986	Y
5	ICIS 410-617813/16	49.97912	46.677948	50.0	697596.0	0.933949	Y
6	IC 410-617813/17	99.95824	91.154063	50.0	715611.0	0.911921	Y
7	IC 410-617813/18	299.87472	270.067162	50.0	779014.0	0.9006	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

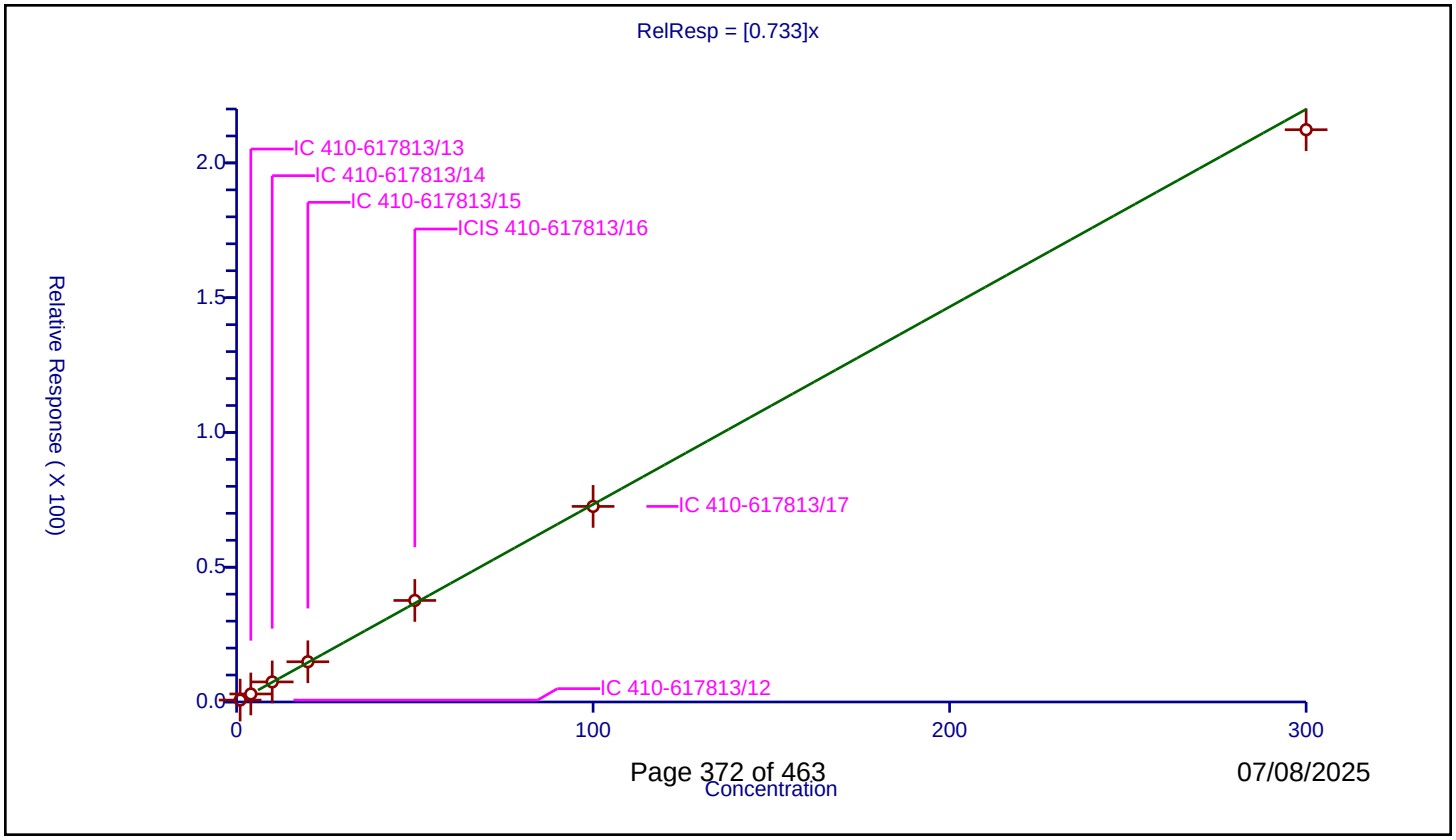
Curve Coefficients

Intercept:	0
Slope:	0.733

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.709398	50.0	673529.0	0.709398	Y
2	IC 410-617813/13	4.0	2.976662	50.0	666132.0	0.744166	Y
3	IC 410-617813/14	10.0	7.447012	50.0	664206.0	0.744701	Y
4	IC 410-617813/15	20.0	14.920706	50.0	686499.0	0.746035	Y
5	ICIS 410-617813/16	50.0	37.671948	50.0	697596.0	0.753439	Y
6	IC 410-617813/17	100.0	72.569315	50.0	715611.0	0.725693	Y
7	IC 410-617813/18	300.0	212.321088	50.0	779014.0	0.707737	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

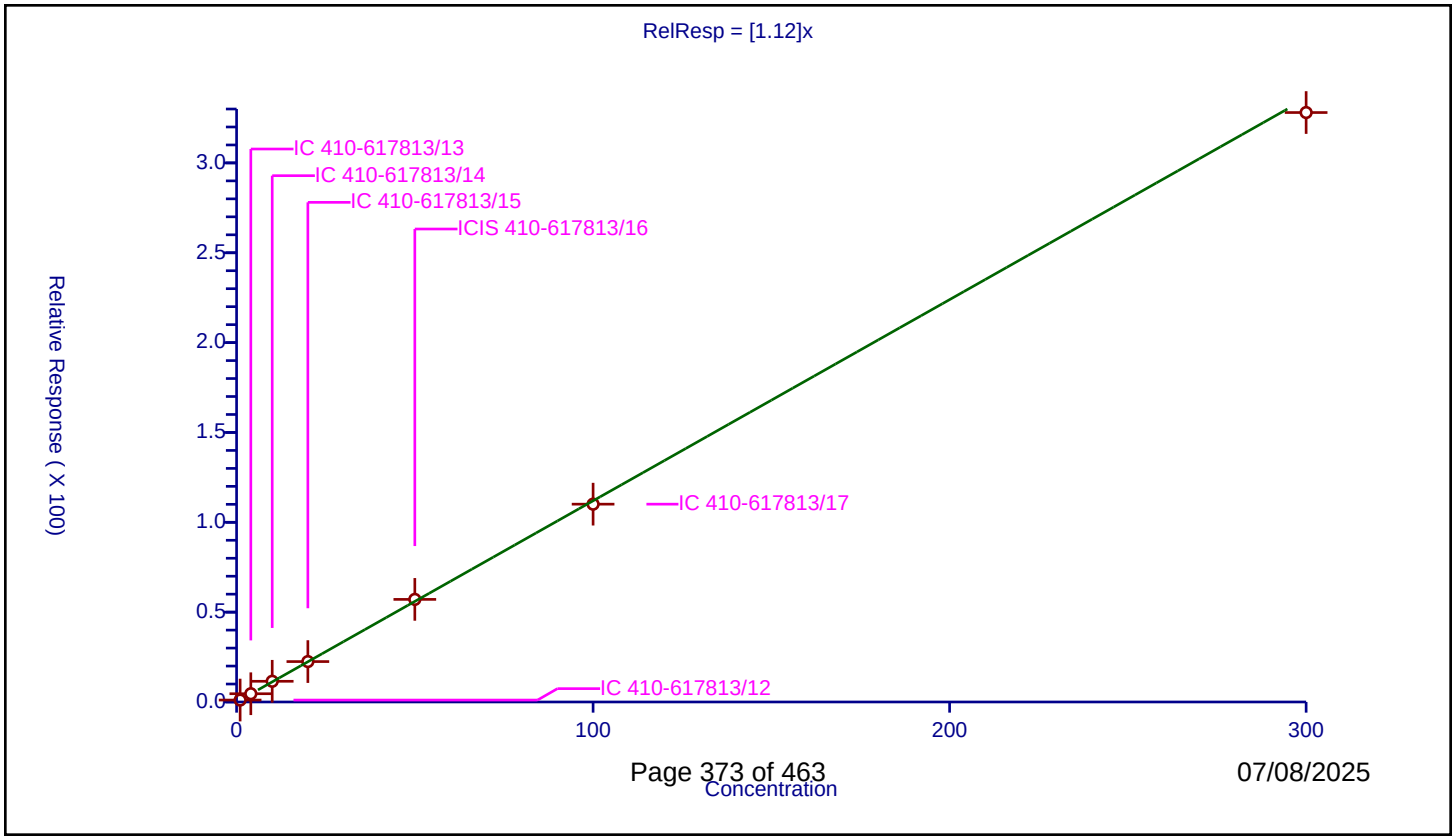
Curve Coefficients

Intercept:	0
Slope:	1.12

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	1.073228	50.0	673529.0	1.073228	Y
2	IC 410-617813/13	4.0	4.599389	50.0	666132.0	1.149847	Y
3	IC 410-617813/14	10.0	11.52933	50.0	664206.0	1.152933	Y
4	IC 410-617813/15	20.0	22.492968	50.0	686499.0	1.124648	Y
5	ICIS 410-617813/16	50.0	57.105617	50.0	697596.0	1.142112	Y
6	IC 410-617813/17	100.0	110.097455	50.0	715611.0	1.100975	Y
7	IC 410-617813/18	300.0	328.036595	50.0	779014.0	1.093455	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

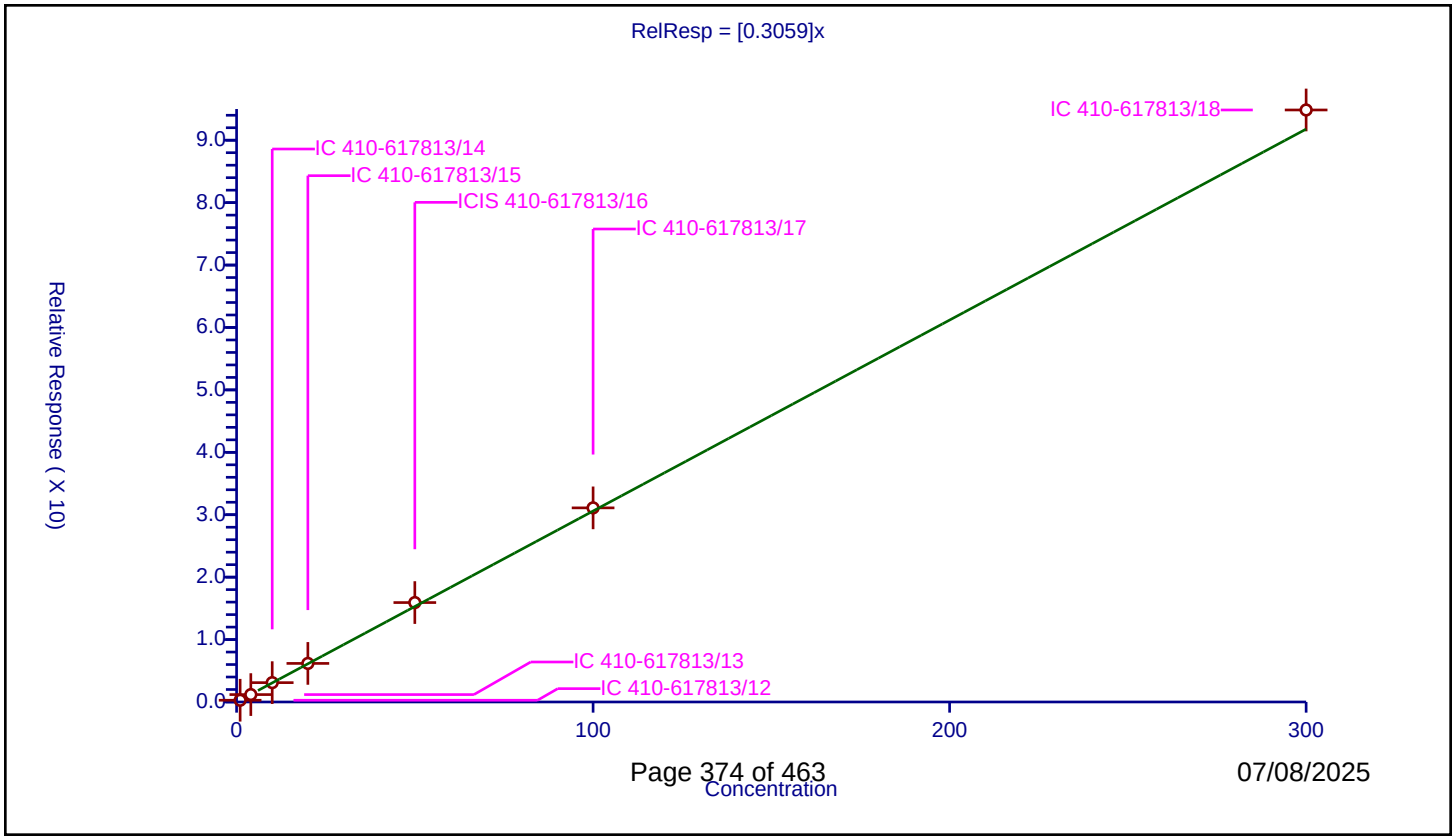
Curve Coefficients

Intercept:	0
Slope:	0.3059

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.280463	50.0	673529.0	0.280463	Y
2	IC 410-617813/13	4.0	1.186777	50.0	666132.0	0.296694	Y
3	IC 410-617813/14	10.0	3.097458	50.0	664206.0	0.309746	Y
4	IC 410-617813/15	20.0	6.179033	50.0	686499.0	0.308952	Y
5	ICIS 410-617813/16	50.0	15.928059	50.0	697596.0	0.318561	Y
6	IC 410-617813/17	100.0	31.099368	50.0	715611.0	0.310994	Y
7	IC 410-617813/18	300.0	94.847589	50.0	779014.0	0.316159	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

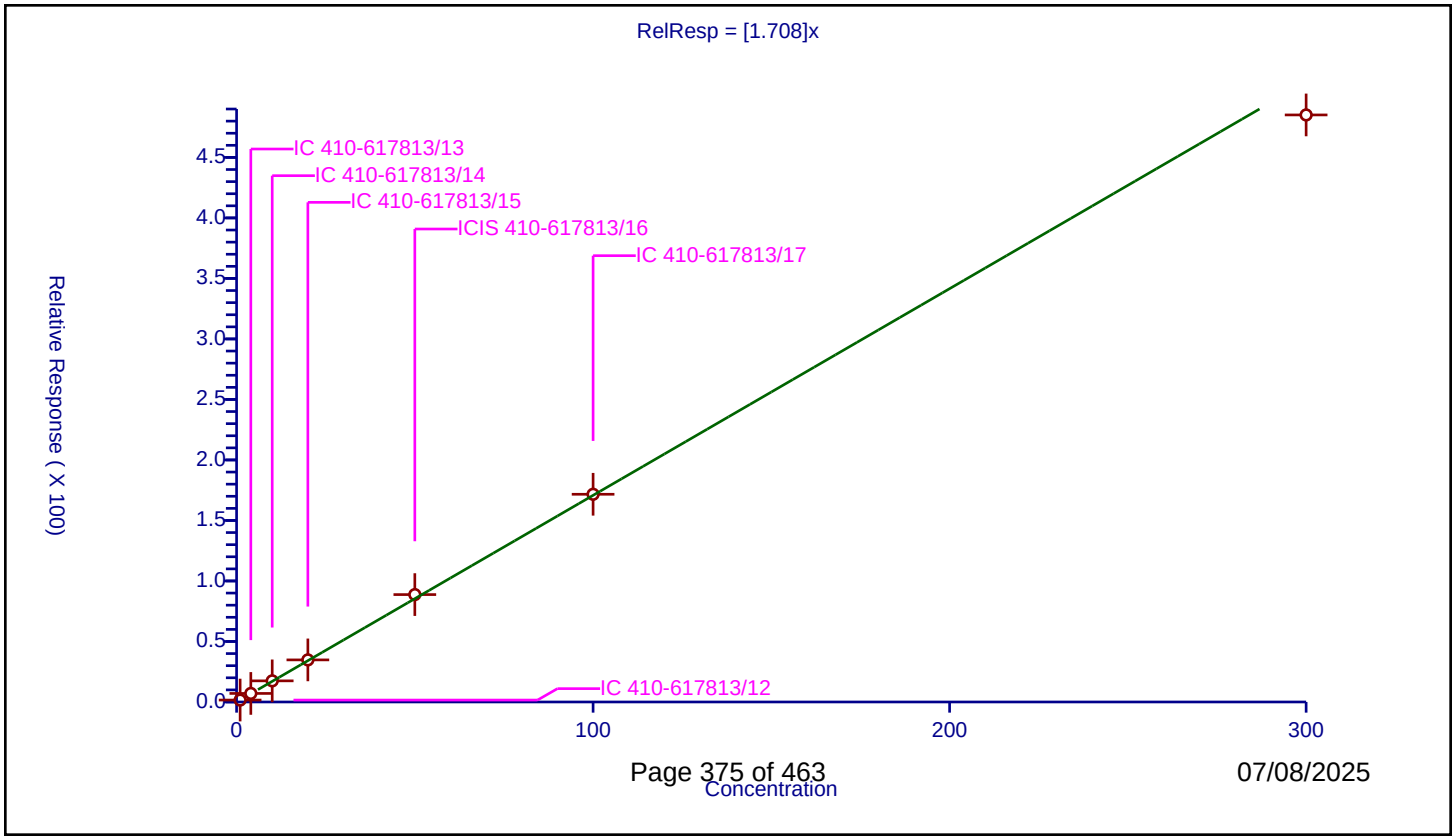
Curve Coefficients

Intercept:	0
Slope:	1.708

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	1.594141	50.0	673529.0	1.594141	Y
2	IC 410-617813/13	4.0	7.067743	50.0	666132.0	1.766936	Y
3	IC 410-617813/14	10.0	17.452492	50.0	664206.0	1.745249	Y
4	IC 410-617813/15	20.0	34.787815	50.0	686499.0	1.739391	Y
5	ICIS 410-617813/16	50.0	88.748932	50.0	697596.0	1.774979	Y
6	IC 410-617813/17	100.0	171.642275	50.0	715611.0	1.716423	Y
7	IC 410-617813/18	300.0	485.097829	50.0	779014.0	1.616993	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

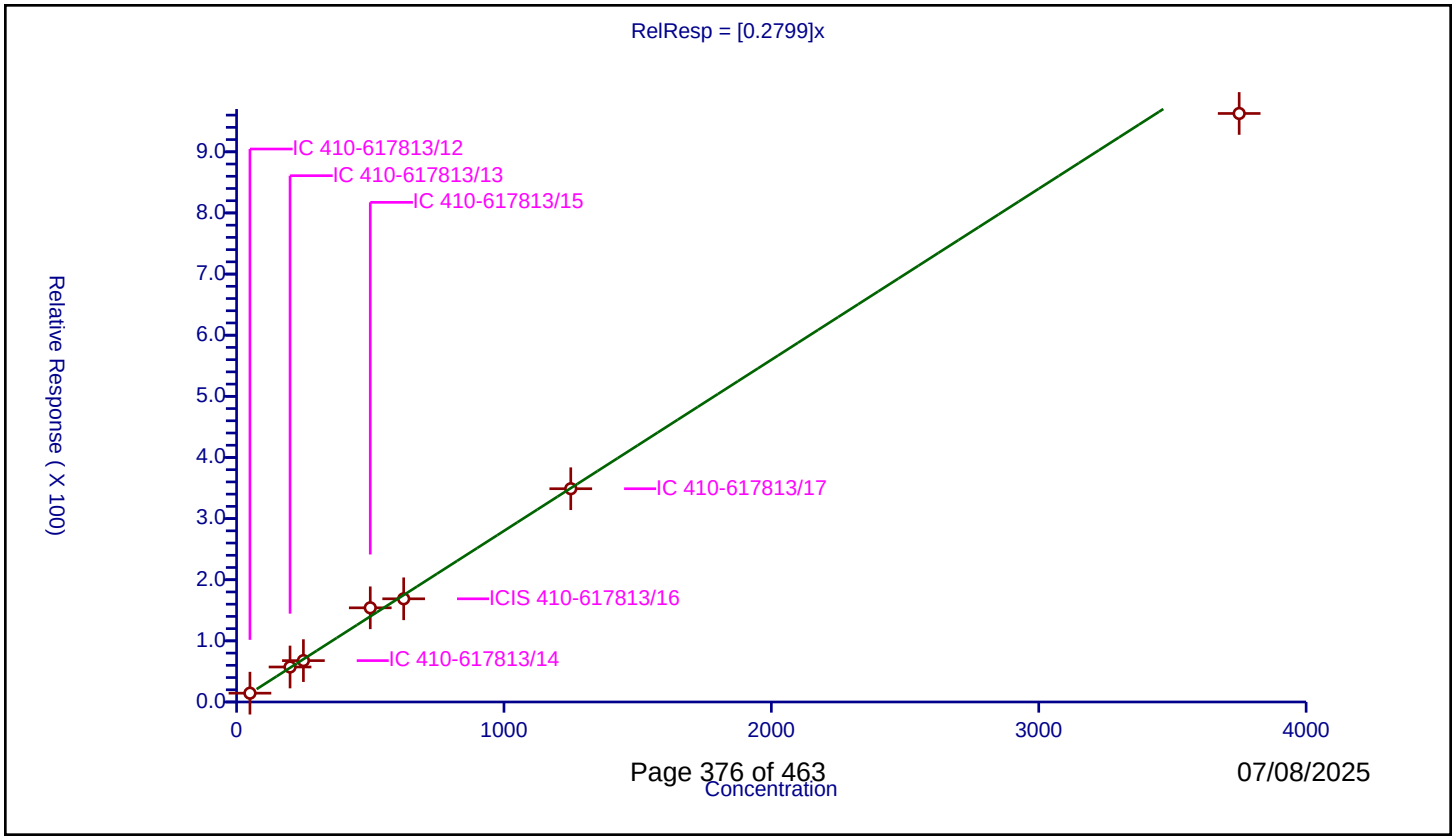
Curve Coefficients

Intercept:	0
Slope:	0.2799

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	49.995598	14.395882	250.0	492884.0	0.287943	Y
2	IC 410-617813/13	199.982394	57.269147	250.0	506263.0	0.286371	Y
3	IC 410-617813/14	249.977992	67.670714	250.0	467259.0	0.270707	Y
4	IC 410-617813/15	499.955984	154.065046	250.0	517817.0	0.308157	Y
5	ICIS 410-617813/16	624.94498	168.775737	250.0	483744.0	0.270065	Y
6	IC 410-617813/17	1249.88996	348.860627	250.0	487110.0	0.279113	Y
7	IC 410-617813/18	3749.66988	962.702827	250.0	418584.0	0.256743	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

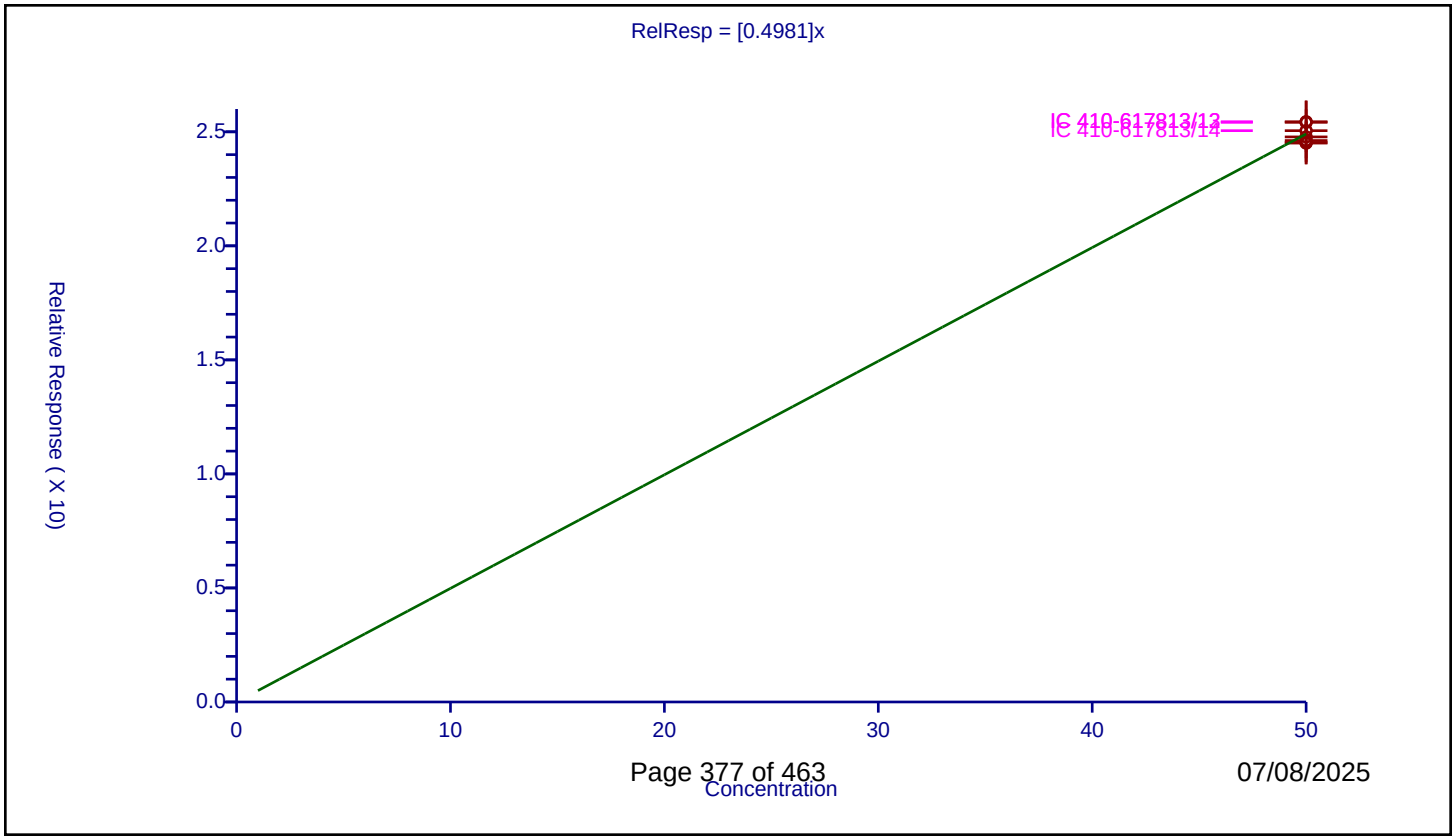
Curve Coefficients

Intercept:	0
Slope:	0.4981

Error Coefficients

Relative Standard Deviation:	1.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	50.0	25.442557	50.0	673529.0	0.508851	Y
2	IC 410-617813/13	50.0	25.416809	50.0	666132.0	0.508336	Y
3	IC 410-617813/14	50.0	25.05006	50.0	664206.0	0.501001	Y
4	IC 410-617813/15	50.0	24.776948	50.0	686499.0	0.495539	Y
5	ICIS 410-617813/16	50.0	24.506089	50.0	697596.0	0.490122	Y
6	IC 410-617813/17	50.0	24.531205	50.0	715611.0	0.490624	Y
7	IC 410-617813/18	50.0	24.618107	50.0	779014.0	0.492362	Y



Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

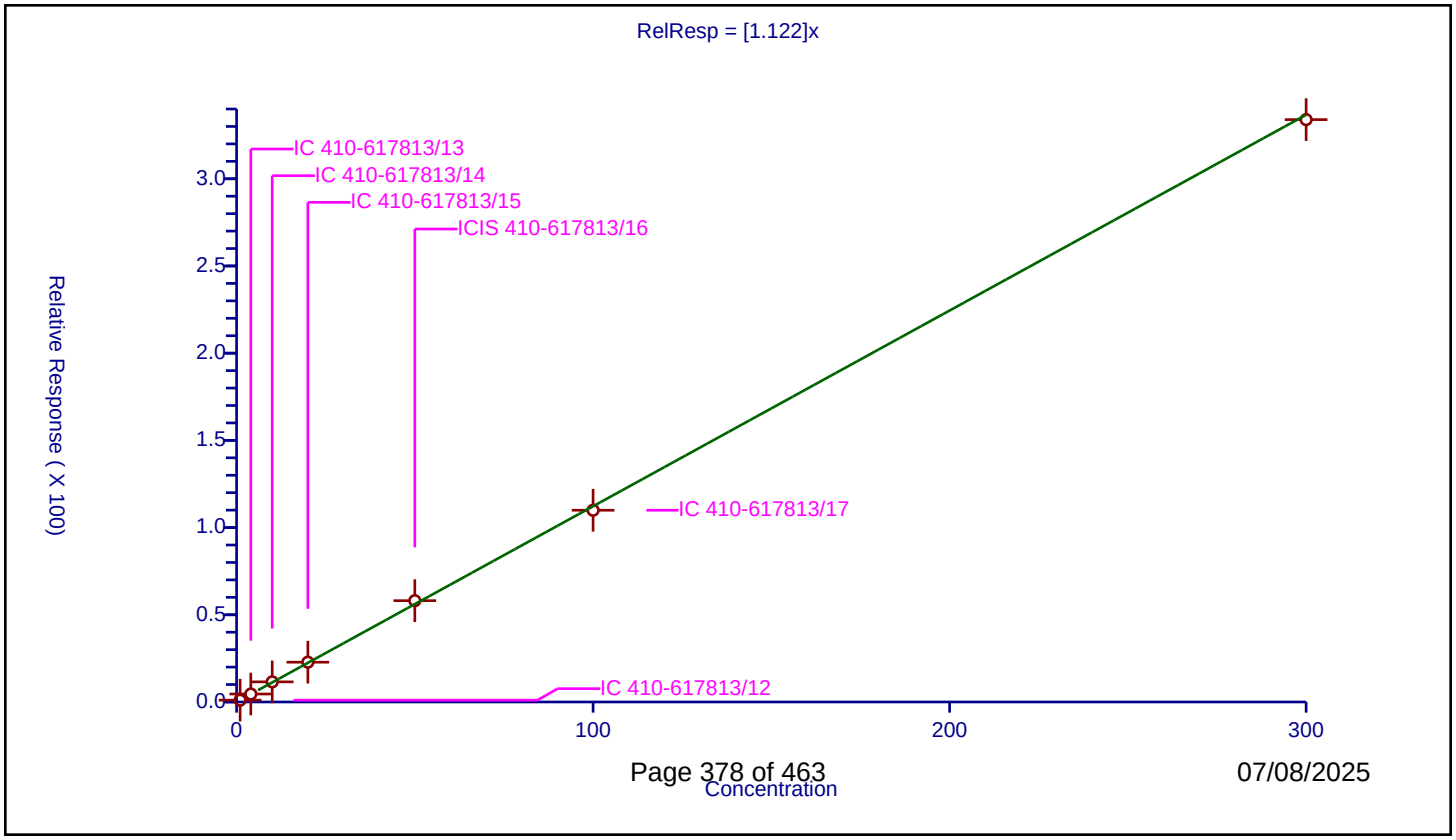
Curve Coefficients

Intercept:	0
Slope:	1.122

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	1.042305	50.0	422429.0	1.042305	Y
2	IC 410-617813/13	4.0	4.575451	50.0	413533.0	1.143863	Y
3	IC 410-617813/14	10.0	11.540862	50.0	410095.0	1.154086	Y
4	IC 410-617813/15	20.0	22.823048	50.0	418877.0	1.141152	Y
5	ICIS 410-617813/16	50.0	58.088523	50.0	419372.0	1.16177	Y
6	IC 410-617813/17	100.0	109.94413	50.0	434583.0	1.099441	Y
7	IC 410-617813/18	300.0	333.911123	50.0	469952.0	1.113037	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

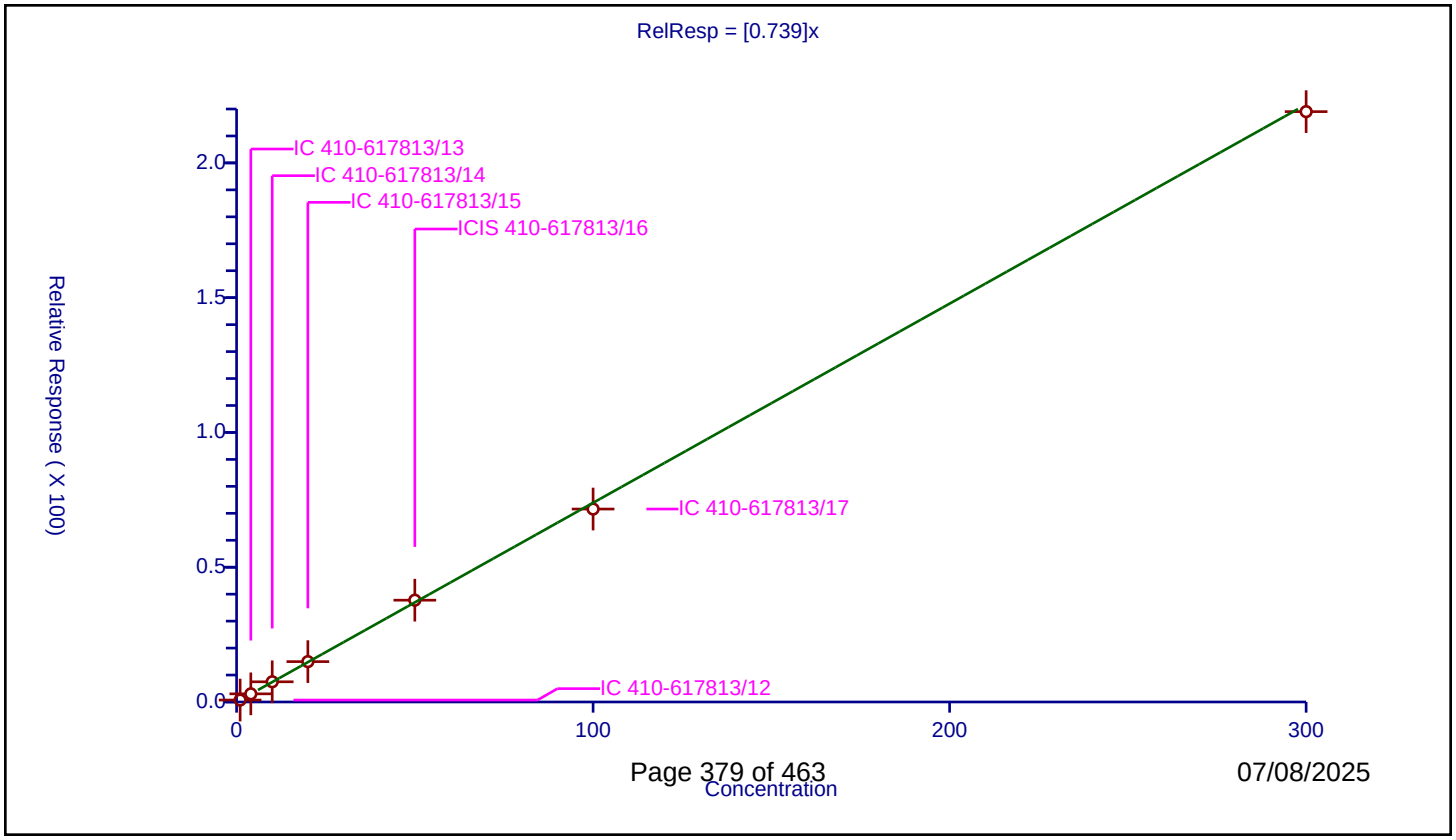
Curve Coefficients

Intercept:	0
Slope:	0.739

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.718582	50.0	422429.0	0.718582	Y
2	IC 410-617813/13	4.0	3.019832	50.0	413533.0	0.754958	Y
3	IC 410-617813/14	10.0	7.49046	50.0	410095.0	0.749046	Y
4	IC 410-617813/15	20.0	14.974802	50.0	418877.0	0.74874	Y
5	ICIS 410-617813/16	50.0	37.771477	50.0	419372.0	0.75543	Y
6	IC 410-617813/17	100.0	71.582644	50.0	434583.0	0.715826	Y
7	IC 410-617813/18	300.0	219.032156	50.0	469952.0	0.730107	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

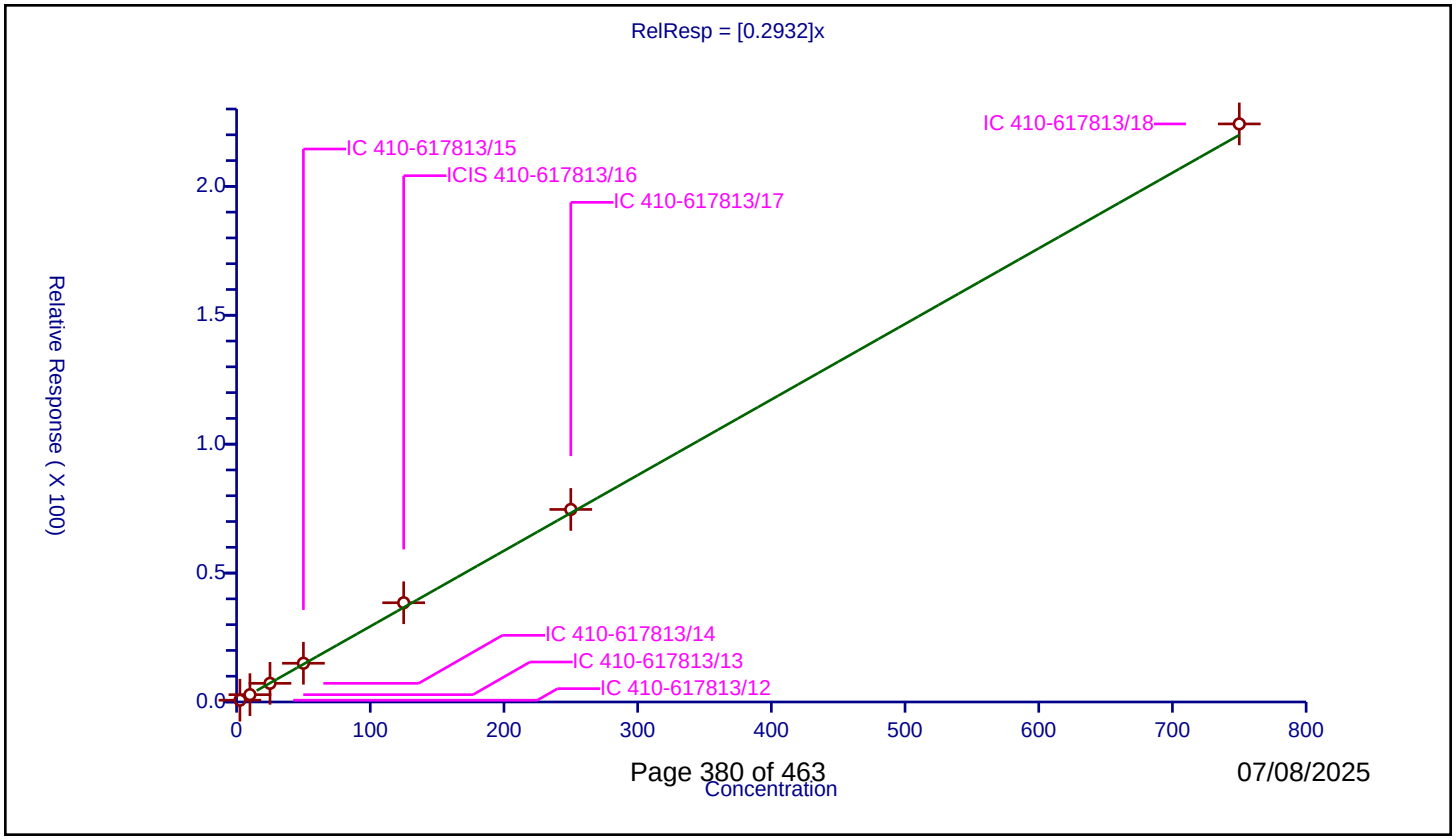
Curve Coefficients

Intercept:	0
Slope:	0.2932

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	2.5	0.684257	50.0	422429.0	0.273703	Y
2	IC 410-617813/13	10.0	2.83617	50.0	413533.0	0.283617	Y
3	IC 410-617813/14	25.0	7.231495	50.0	410095.0	0.28926	Y
4	IC 410-617813/15	50.0	15.024936	50.0	418877.0	0.300499	Y
5	ICIS 410-617813/16	125.0	38.488263	50.0	419372.0	0.307906	Y
6	IC 410-617813/17	250.0	74.682627	50.0	434583.0	0.298731	Y
7	IC 410-617813/18	750.0	224.217899	50.0	469952.0	0.298957	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

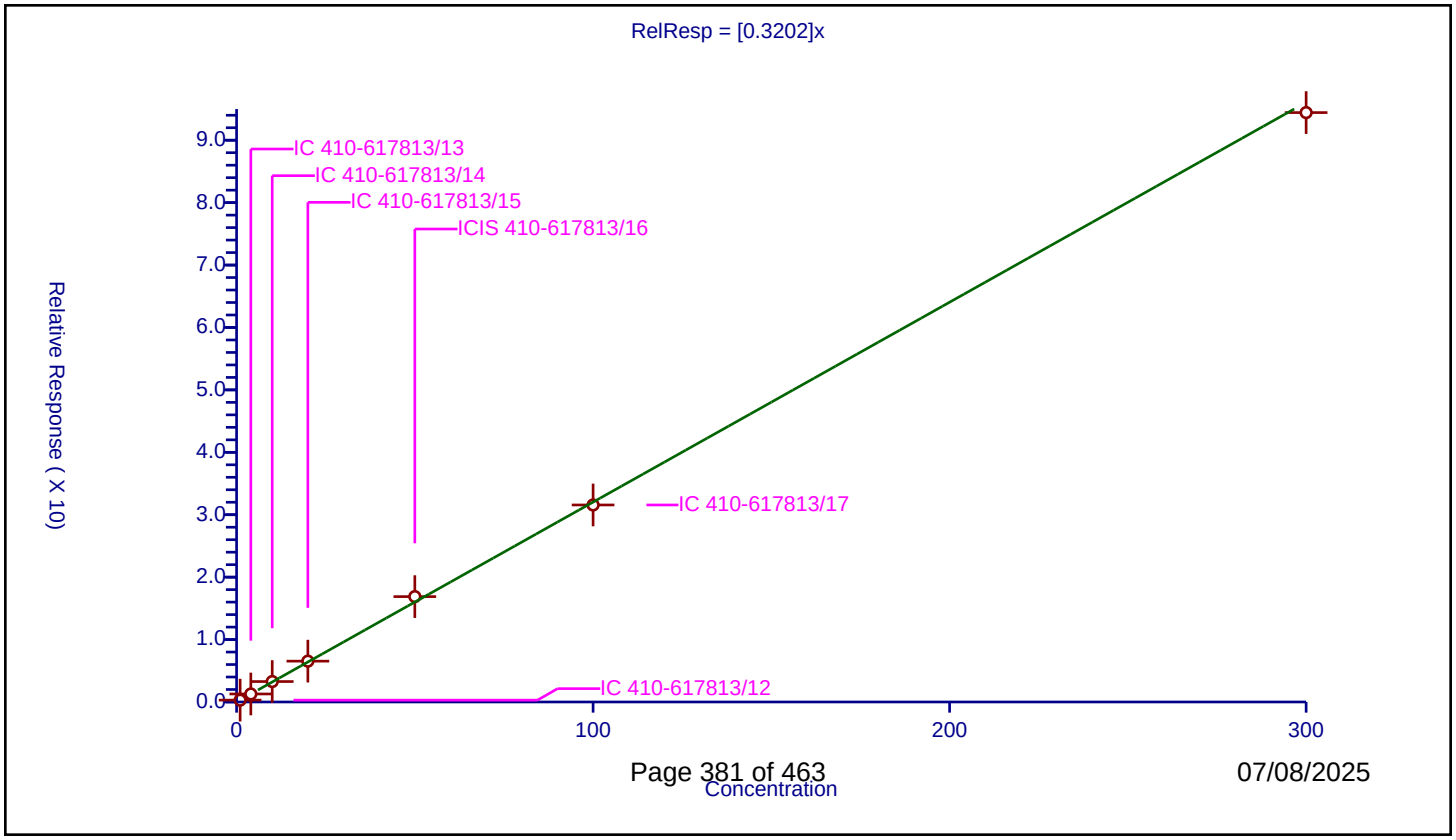
Curve Coefficients

Intercept:	0
Slope:	0.3202

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.298512	50.0	422429.0	0.298512	Y
2	IC 410-617813/13	4.0	1.282123	50.0	413533.0	0.320531	Y
3	IC 410-617813/14	10.0	3.272656	50.0	410095.0	0.327266	Y
4	IC 410-617813/15	20.0	6.544642	50.0	418877.0	0.327232	Y
5	ICIS 410-617813/16	50.0	16.883698	50.0	419372.0	0.337674	Y
6	IC 410-617813/17	100.0	31.565202	50.0	434583.0	0.315652	Y
7	IC 410-617813/18	300.0	94.426558	50.0	469952.0	0.314755	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

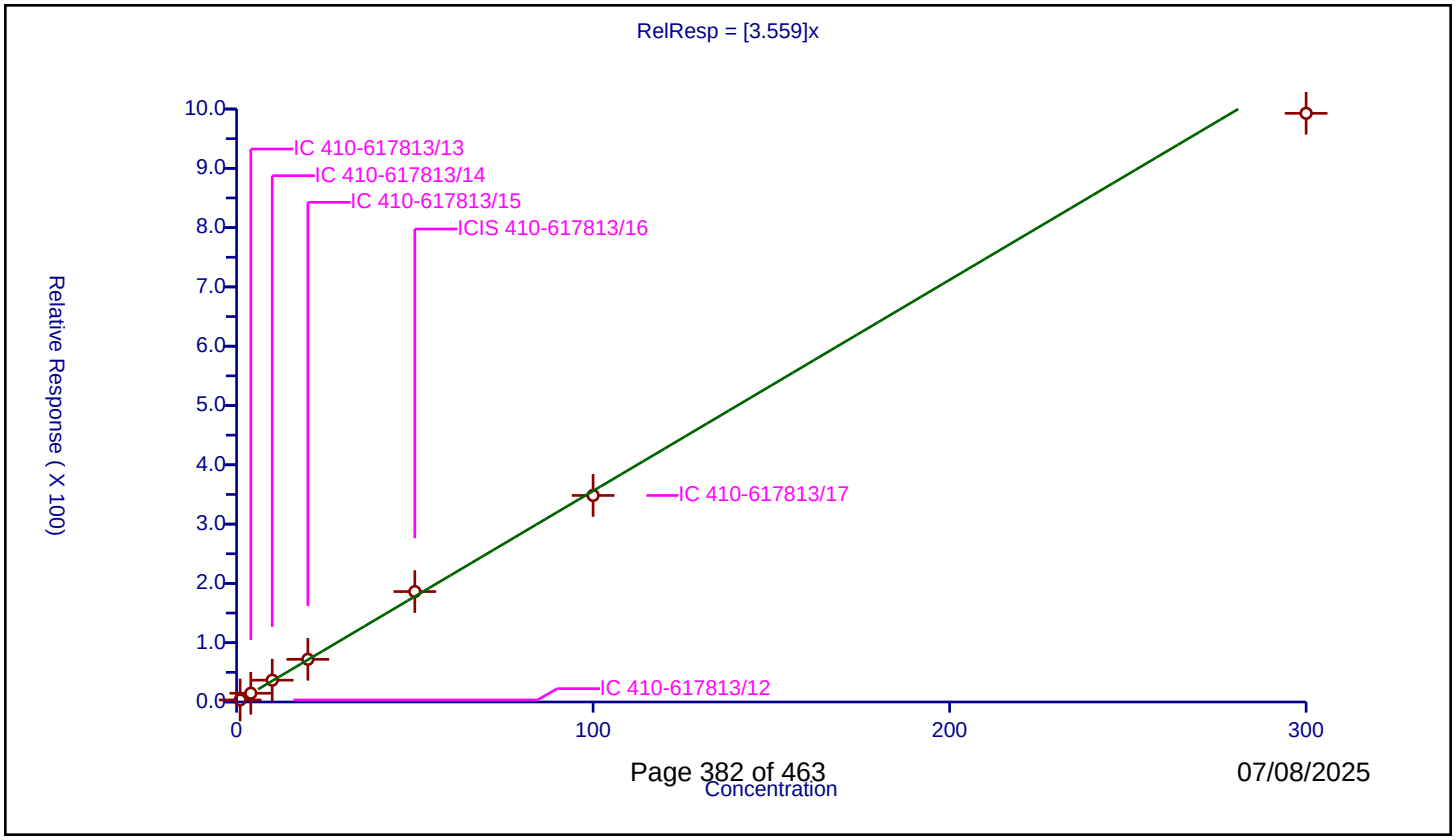
Curve Coefficients

Intercept:	0
Slope:	3.559

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	3.432056	50.0	422429.0	3.432056	Y
2	IC 410-617813/13	4.0	14.745861	50.0	413533.0	3.686465	Y
3	IC 410-617813/14	10.0	36.806716	50.0	410095.0	3.680672	Y
4	IC 410-617813/15	20.0	71.965159	50.0	418877.0	3.598258	Y
5	ICIS 410-617813/16	50.0	186.202226	50.0	419372.0	3.724045	Y
6	IC 410-617813/17	100.0	348.337142	50.0	434583.0	3.483371	Y
7	IC 410-617813/18	300.0	992.741812	50.0	469952.0	3.309139	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

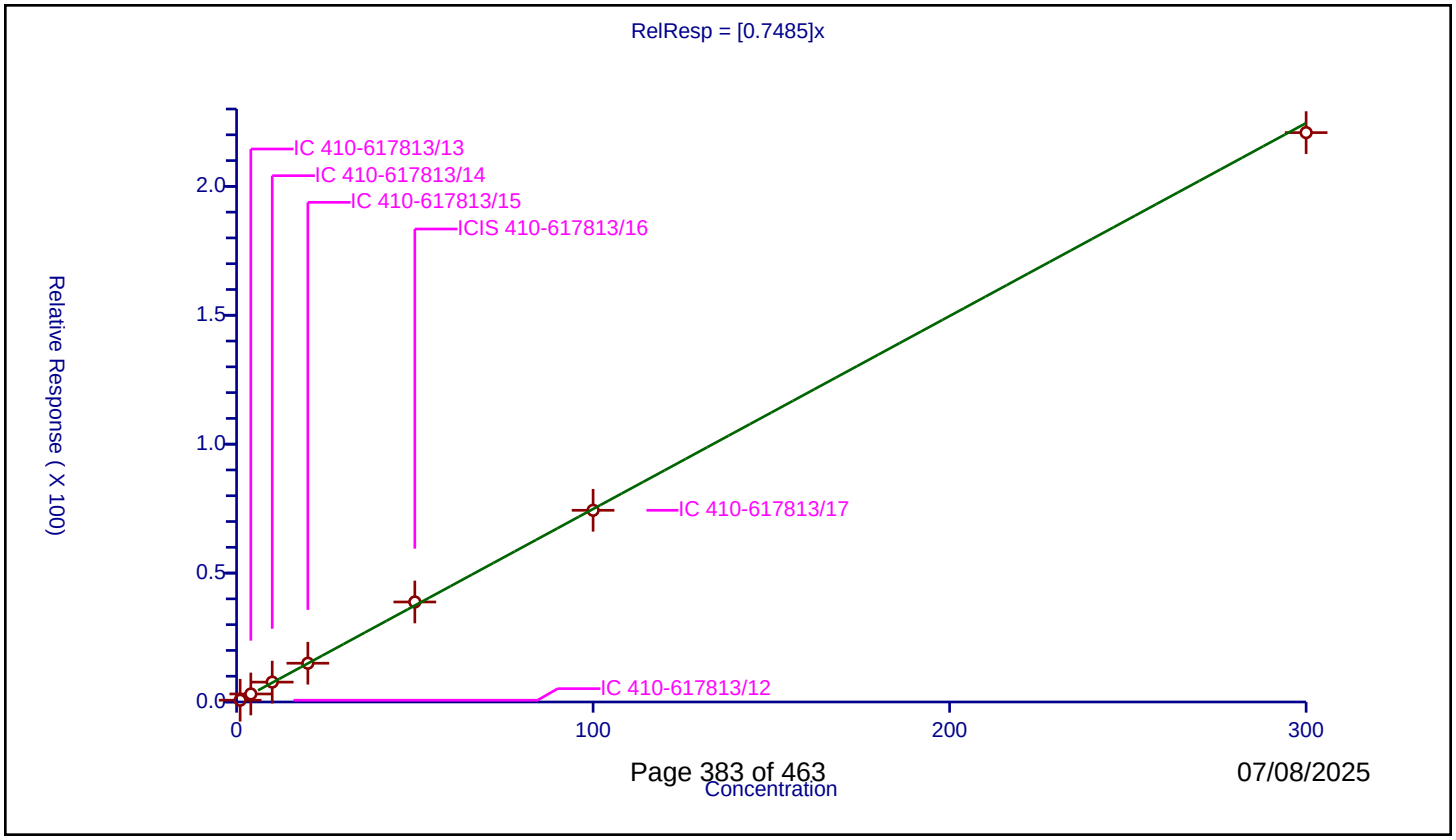
Curve Coefficients

Intercept:	0
Slope:	0.7485

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.683547	50.0	422429.0	0.683547	Y
2	IC 410-617813/13	4.0	3.108458	50.0	413533.0	0.777115	Y
3	IC 410-617813/14	10.0	7.713213	50.0	410095.0	0.771321	Y
4	IC 410-617813/15	20.0	15.038544	50.0	418877.0	0.751927	Y
5	ICIS 410-617813/16	50.0	38.794435	50.0	419372.0	0.775889	Y
6	IC 410-617813/17	100.0	74.352195	50.0	434583.0	0.743522	Y
7	IC 410-617813/18	300.0	220.844363	50.0	469952.0	0.736148	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

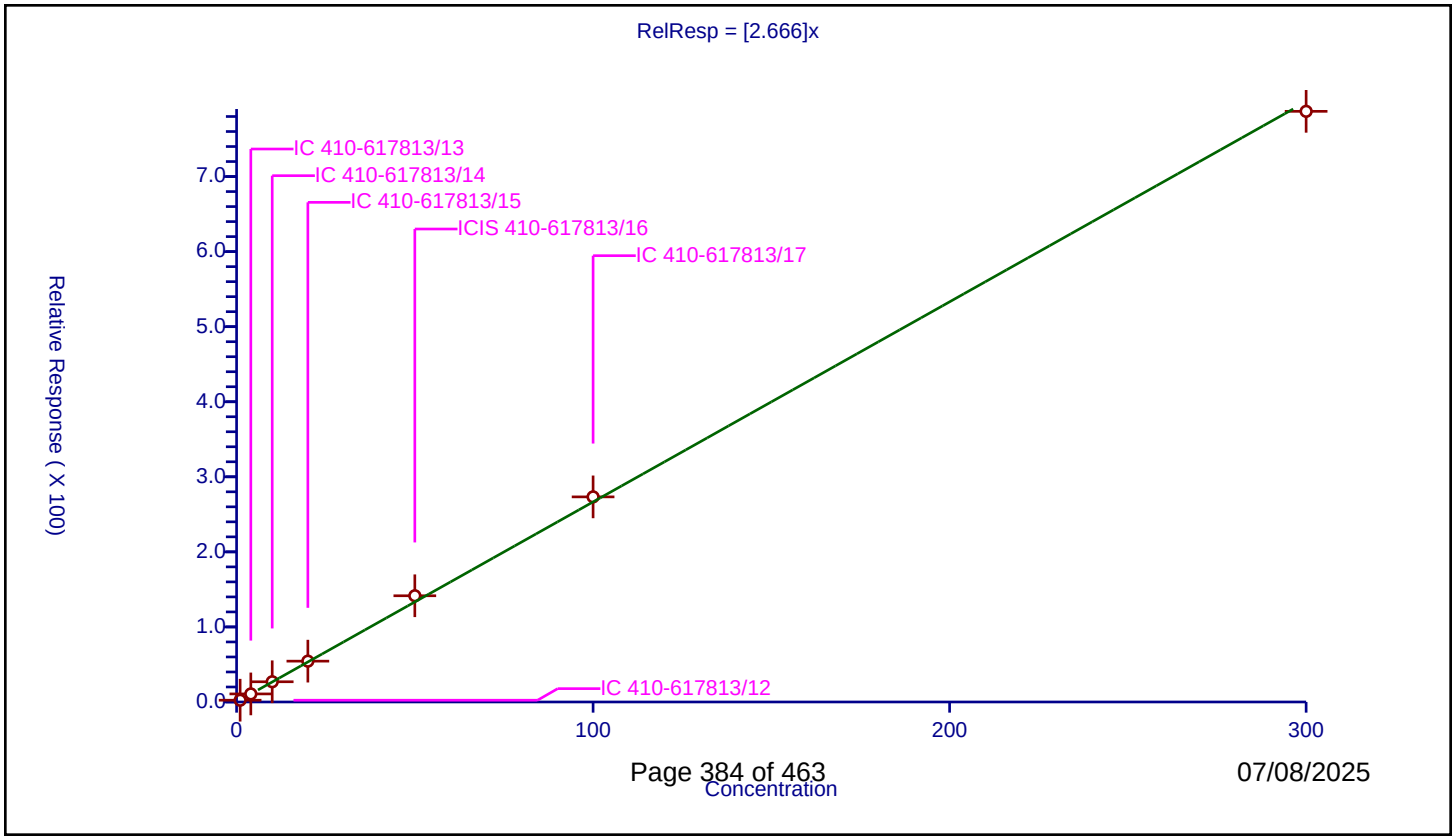
Curve Coefficients

Intercept:	0
Slope:	2.666

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	2.369984	50.0	422429.0	2.369984	Y
2	IC 410-617813/13	4.0	10.758029	50.0	413533.0	2.689507	Y
3	IC 410-617813/14	10.0	26.933393	50.0	410095.0	2.693339	Y
4	IC 410-617813/15	20.0	54.410483	50.0	418877.0	2.720524	Y
5	ICIS 410-617813/16	50.0	141.518986	50.0	419372.0	2.83038	Y
6	IC 410-617813/17	100.0	273.242281	50.0	434583.0	2.732423	Y
7	IC 410-617813/18	300.0	786.925792	50.0	469952.0	2.623086	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

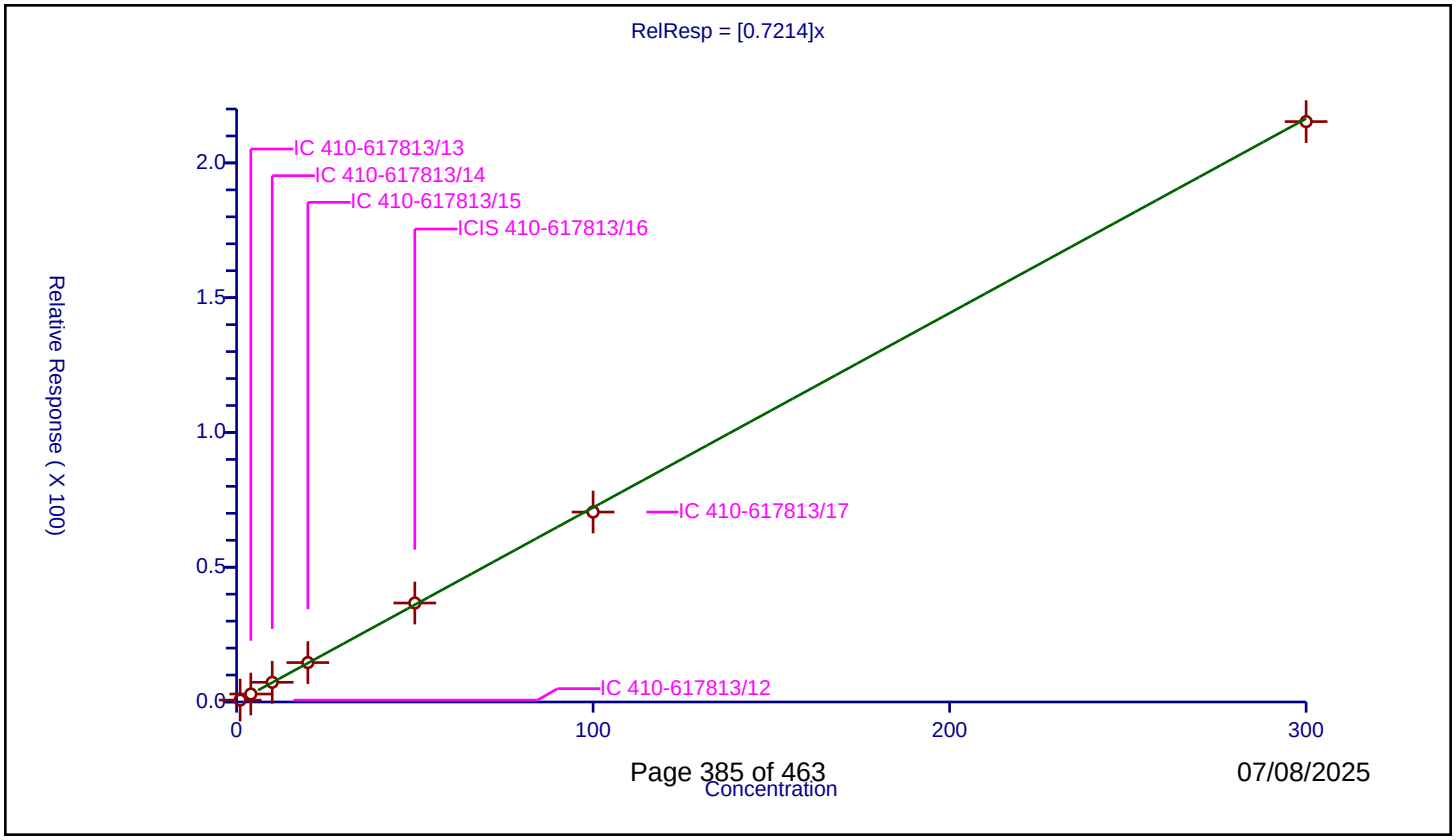
Curve Coefficients

Intercept:	0
Slope:	0.7214

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.694081	50.0	422429.0	0.694081	Y
2	IC 410-617813/13	4.0	2.952848	50.0	413533.0	0.738212	Y
3	IC 410-617813/14	10.0	7.301845	50.0	410095.0	0.730184	Y
4	IC 410-617813/15	20.0	14.615627	50.0	418877.0	0.730781	Y
5	ICIS 410-617813/16	50.0	36.717401	50.0	419372.0	0.734348	Y
6	IC 410-617813/17	100.0	70.46364	50.0	434583.0	0.704636	Y
7	IC 410-617813/18	300.0	215.326565	50.0	469952.0	0.717755	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

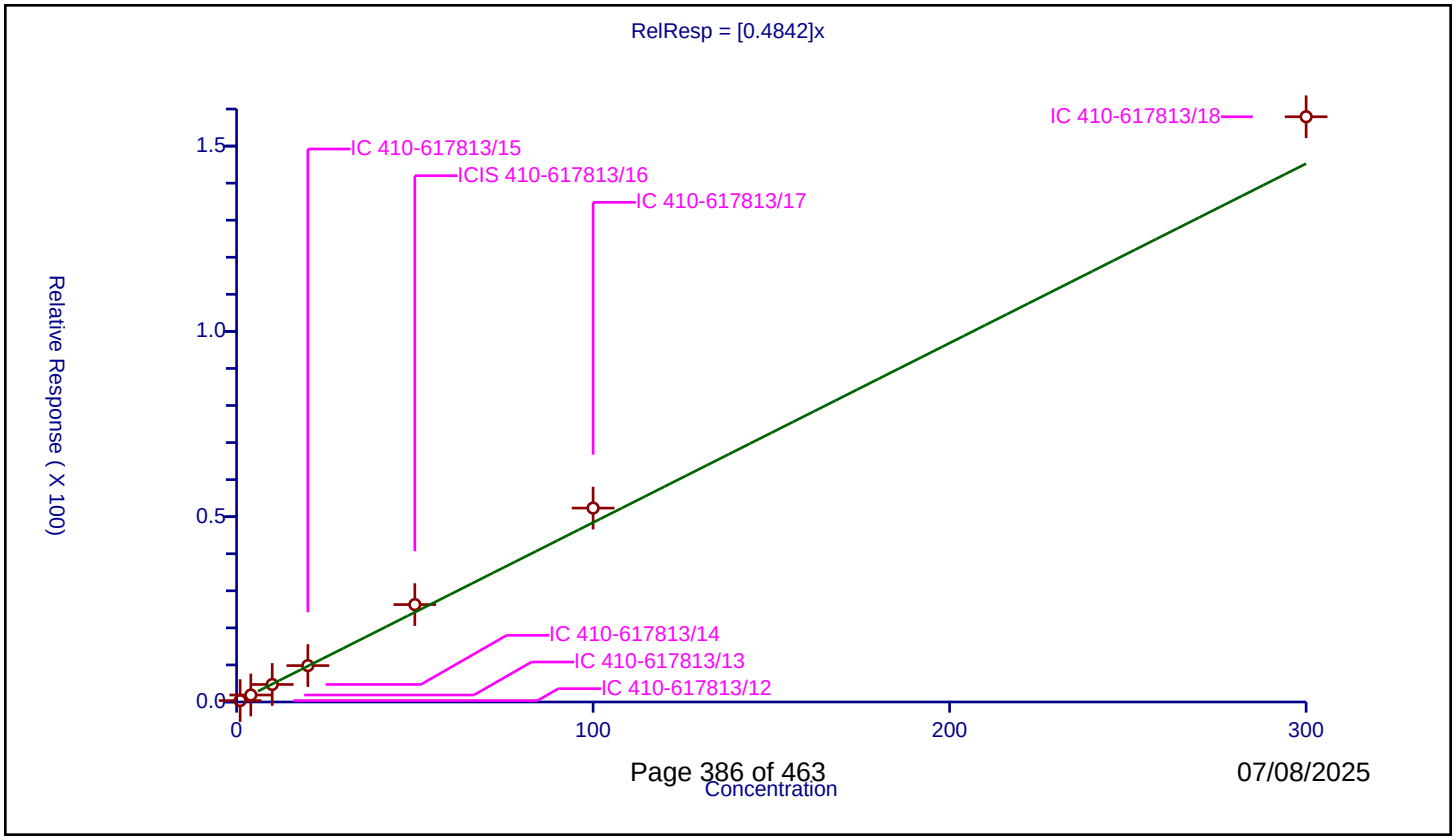
Curve Coefficients

Intercept:	0
Slope:	0.4842

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.381129	50.0	422429.0	0.381129	Y
2	IC 410-617813/13	4.0	1.879052	50.0	413533.0	0.469763	Y
3	IC 410-617813/14	10.0	4.725612	50.0	410095.0	0.472561	Y
4	IC 410-617813/15	20.0	9.816366	50.0	418877.0	0.490818	Y
5	ICIS 410-617813/16	50.0	26.281082	50.0	419372.0	0.525622	Y
6	IC 410-617813/17	100.0	52.324412	50.0	434583.0	0.523244	Y
7	IC 410-617813/18	300.0	157.916021	50.0	469952.0	0.526387	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

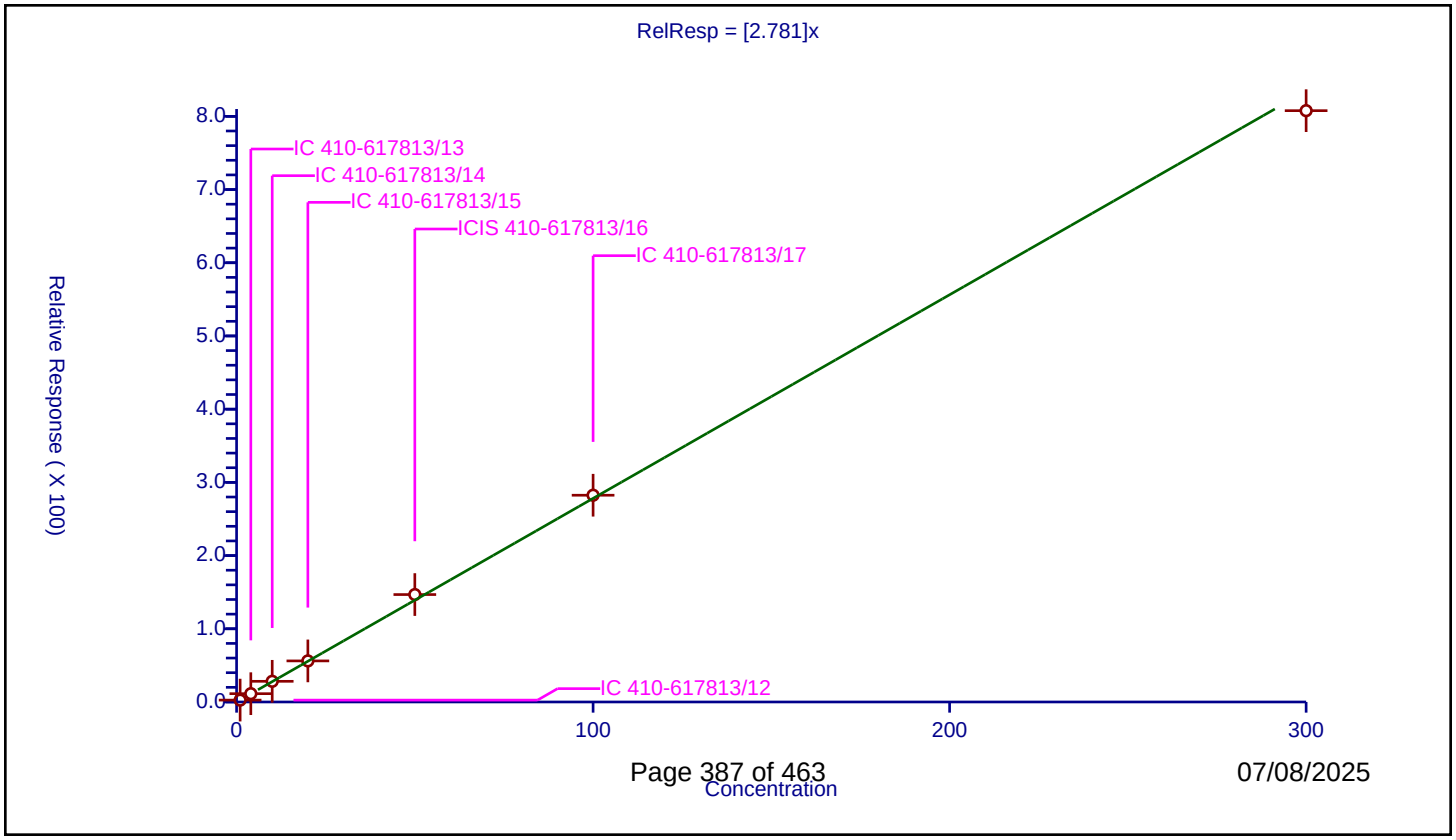
Curve Coefficients

Intercept:	0
Slope:	2.781

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	2.552263	50.0	422429.0	2.552263	Y
2	IC 410-617813/13	4.0	11.33259	50.0	413533.0	2.833148	Y
3	IC 410-617813/14	10.0	28.265524	50.0	410095.0	2.826552	Y
4	IC 410-617813/15	20.0	56.119338	50.0	418877.0	2.805967	Y
5	ICIS 410-617813/16	50.0	146.757056	50.0	419372.0	2.935141	Y
6	IC 410-617813/17	100.0	282.436497	50.0	434583.0	2.824365	Y
7	IC 410-617813/18	300.0	807.731321	50.0	469952.0	2.692438	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

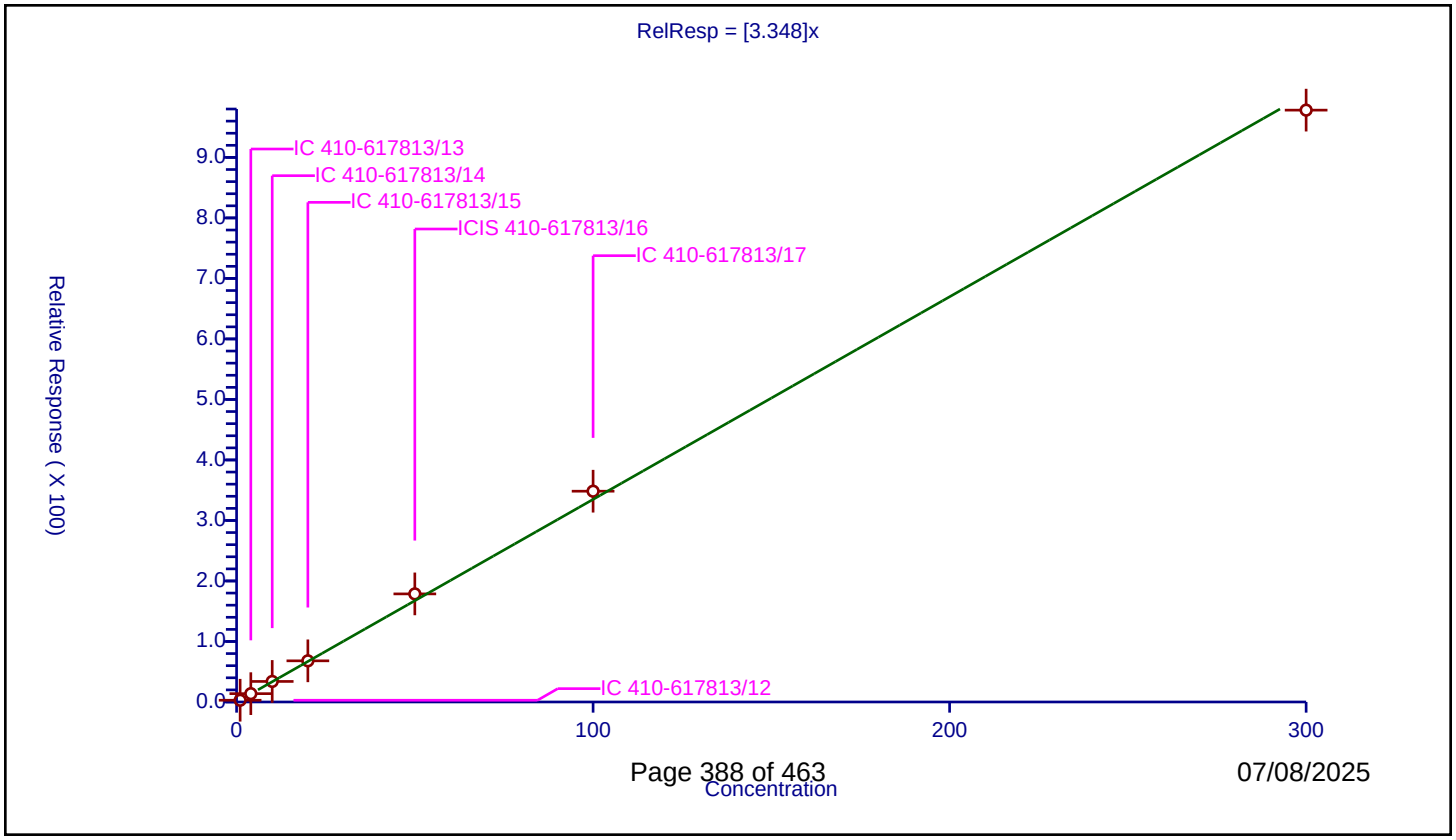
Curve Coefficients

Intercept:	0
Slope:	3.348

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	2.882615	50.0	422429.0	2.882615	Y
2	IC 410-617813/13	4.0	13.764681	50.0	413533.0	3.44117	Y
3	IC 410-617813/14	10.0	33.963106	50.0	410095.0	3.396311	Y
4	IC 410-617813/15	20.0	68.02713	50.0	418877.0	3.401356	Y
5	ICIS 410-617813/16	50.0	178.662739	50.0	419372.0	3.573255	Y
6	IC 410-617813/17	100.0	348.380977	50.0	434583.0	3.48381	Y
7	IC 410-617813/18	300.0	978.155854	50.0	469952.0	3.26052	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

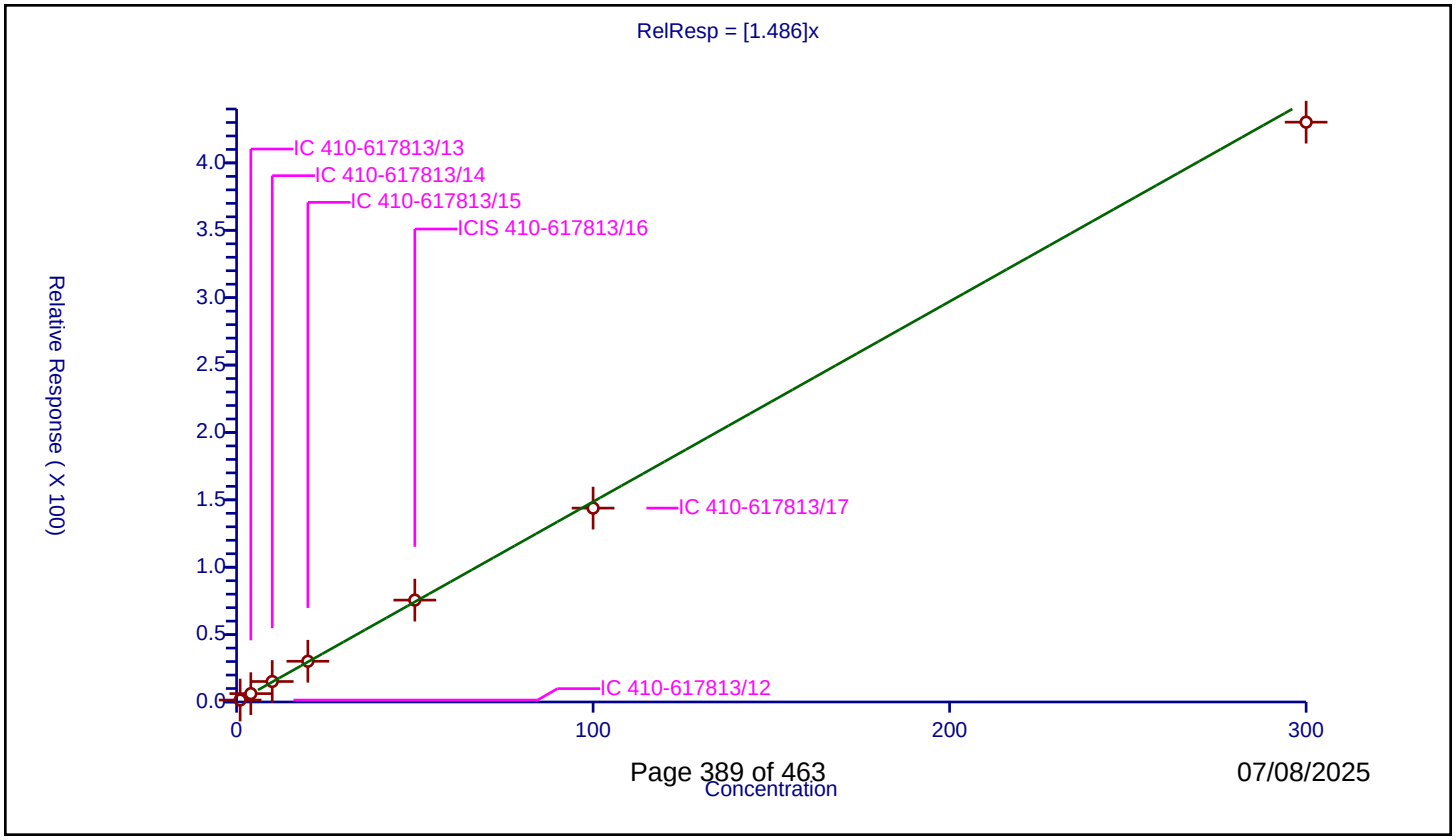
Curve Coefficients

Intercept:	0
Slope:	1.486

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	1.433732	50.0	422429.0	1.433732	Y
2	IC 410-617813/13	4.0	6.202165	50.0	413533.0	1.550541	Y
3	IC 410-617813/14	10.0	15.209037	50.0	410095.0	1.520904	Y
4	IC 410-617813/15	20.0	30.228564	50.0	418877.0	1.511428	Y
5	ICIS 410-617813/16	50.0	75.592433	50.0	419372.0	1.511849	Y
6	IC 410-617813/17	100.0	143.860781	50.0	434583.0	1.438608	Y
7	IC 410-617813/18	300.0	430.241386	50.0	469952.0	1.434138	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

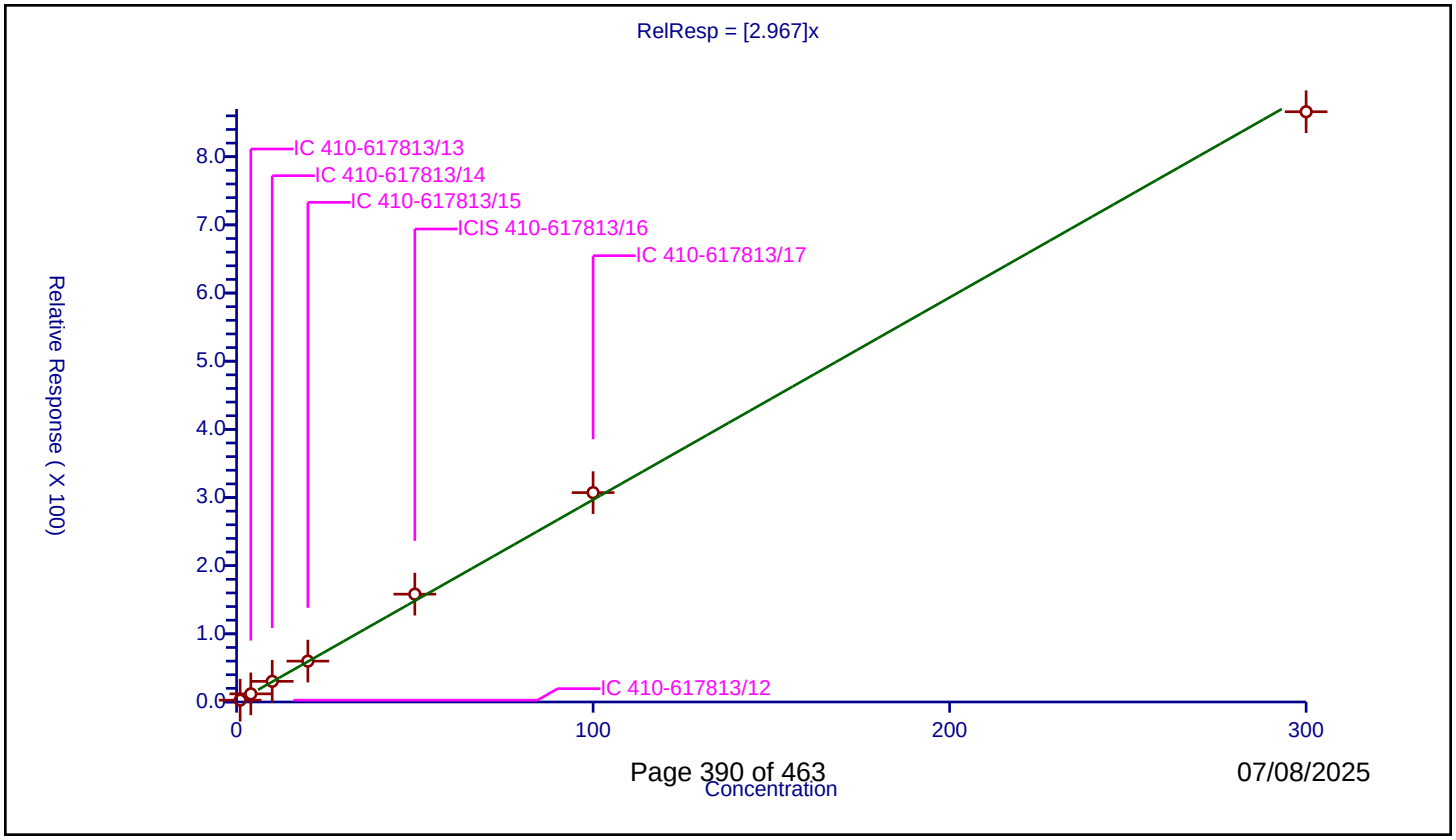
Curve Coefficients

Intercept:	0
Slope:	2.967

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	2.639497	50.0	422429.0	2.639497	Y
2	IC 410-617813/13	4.0	11.920089	50.0	413533.0	2.980022	Y
3	IC 410-617813/14	10.0	30.319194	50.0	410095.0	3.031919	Y
4	IC 410-617813/15	20.0	59.953757	50.0	418877.0	2.997688	Y
5	ICIS 410-617813/16	50.0	158.216214	50.0	419372.0	3.164324	Y
6	IC 410-617813/17	100.0	307.186774	50.0	434583.0	3.071868	Y
7	IC 410-617813/18	300.0	866.000783	50.0	469952.0	2.886669	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

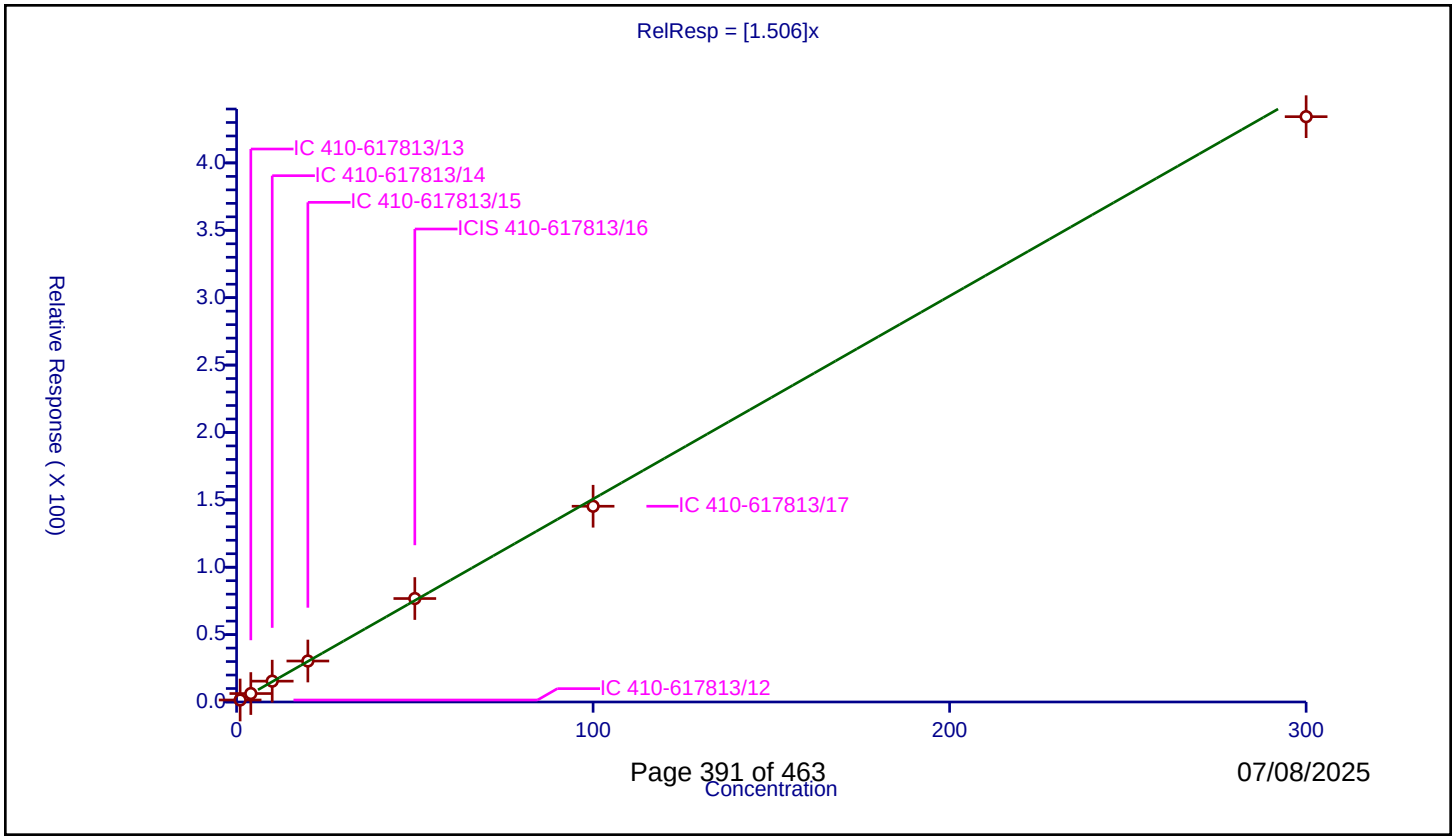
Curve Coefficients

Intercept:	0
Slope:	1.506

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	1.476224	50.0	422429.0	1.476224	Y
2	IC 410-617813/13	4.0	6.260081	50.0	413533.0	1.56502	Y
3	IC 410-617813/14	10.0	15.461783	50.0	410095.0	1.546178	Y
4	IC 410-617813/15	20.0	30.400452	50.0	418877.0	1.520023	Y
5	ICIS 410-617813/16	50.0	76.766093	50.0	419372.0	1.535322	Y
6	IC 410-617813/17	100.0	145.251885	50.0	434583.0	1.452519	Y
7	IC 410-617813/18	300.0	434.324676	50.0	469952.0	1.447749	Y



Calibration / 1,2,3-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

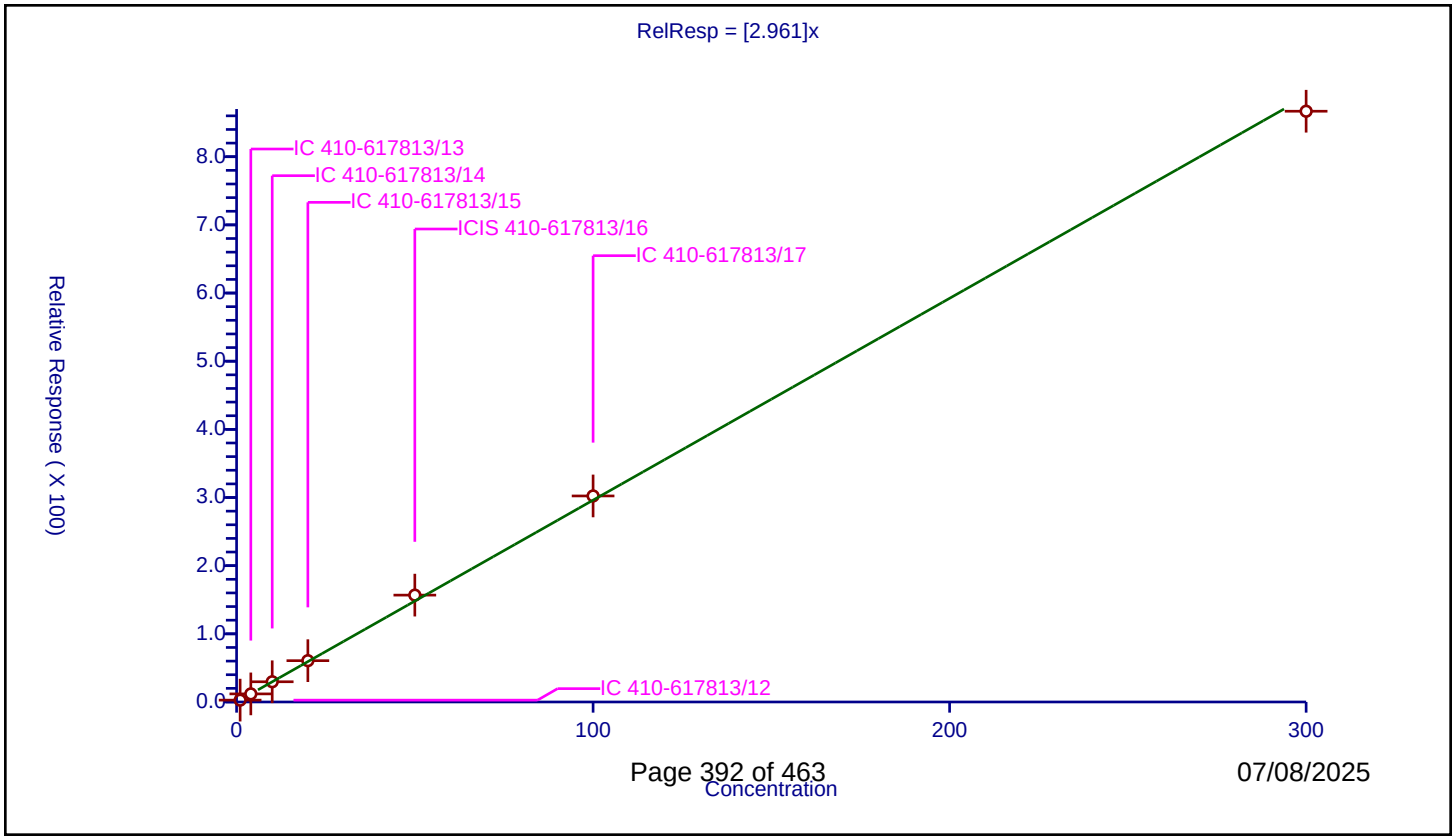
Curve Coefficients

Intercept:	0
Slope:	2.961

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	2.711462	50.0	422429.0	2.711462	Y
2	IC 410-617813/13	4.0	11.882123	50.0	413533.0	2.970531	Y
3	IC 410-617813/14	10.0	29.67032	50.0	410095.0	2.967032	Y
4	IC 410-617813/15	20.0	60.639758	50.0	418877.0	3.031988	Y
5	ICIS 410-617813/16	50.0	156.775011	50.0	419372.0	3.1355	Y
6	IC 410-617813/17	100.0	302.313482	50.0	434583.0	3.023135	Y
7	IC 410-617813/18	300.0	866.760116	50.0	469952.0	2.8892	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

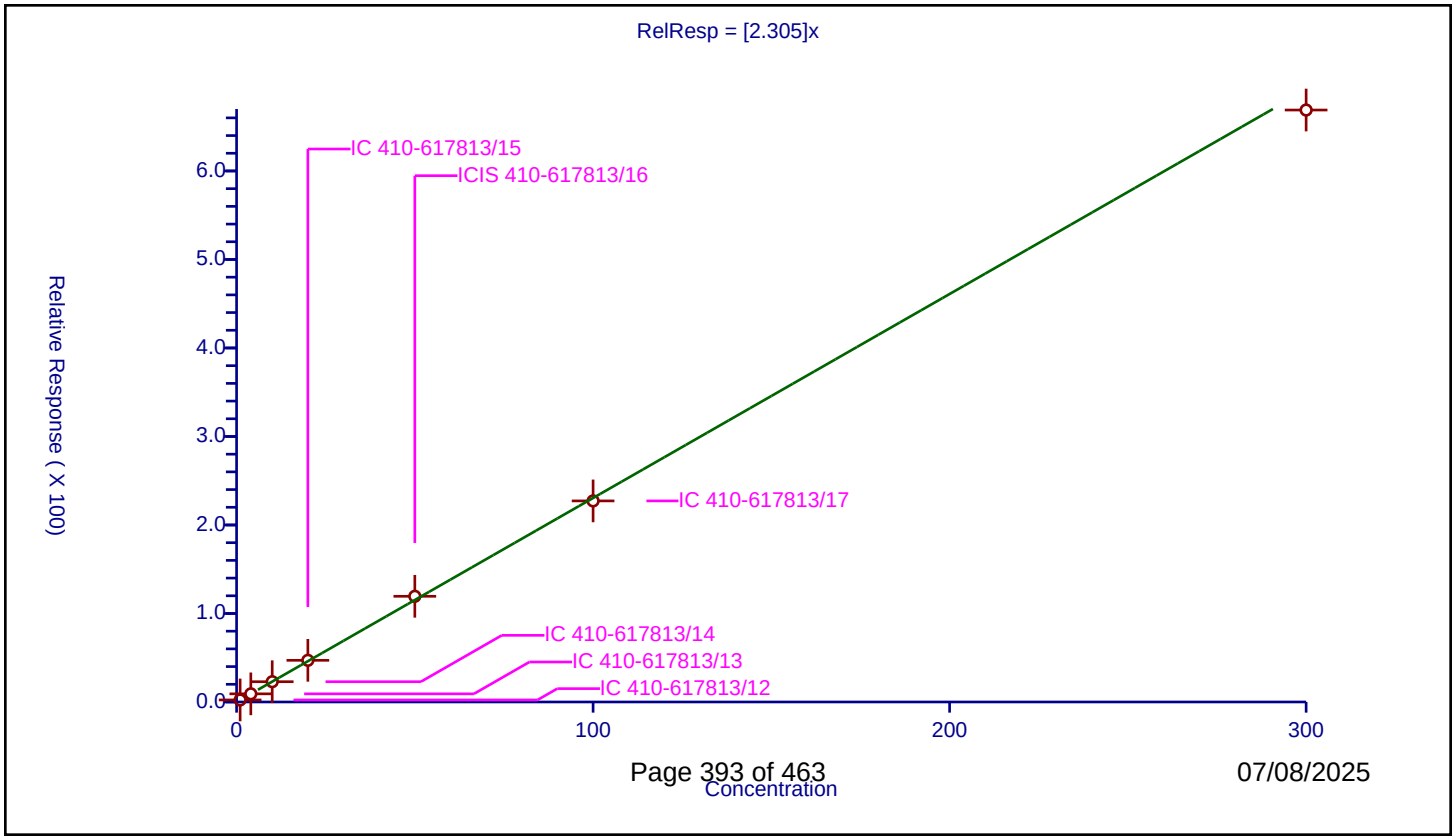
Curve Coefficients

Intercept:	0
Slope:	2.305

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	2.29506	50.0	422429.0	2.29506	Y
2	IC 410-617813/13	4.0	9.2145	50.0	413533.0	2.303625	Y
3	IC 410-617813/14	10.0	22.9153	50.0	410095.0	2.29153	Y
4	IC 410-617813/15	20.0	47.078856	50.0	418877.0	2.353943	Y
5	ICIS 410-617813/16	50.0	119.436682	50.0	419372.0	2.388734	Y
6	IC 410-617813/17	100.0	227.188247	50.0	434583.0	2.271882	Y
7	IC 410-617813/18	300.0	668.849372	50.0	469952.0	2.229498	Y



Calibration / 1,3-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

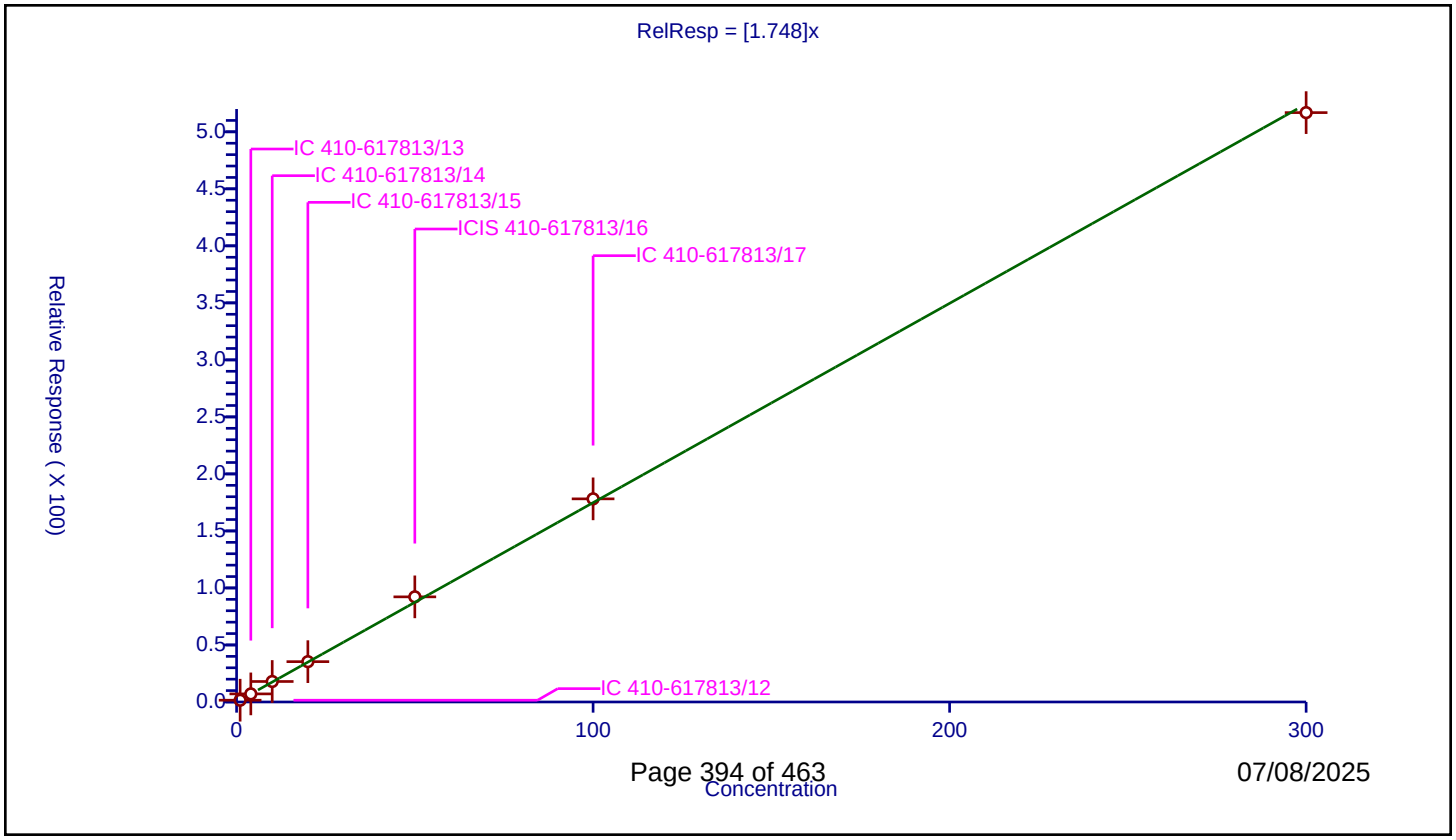
Curve Coefficients

Intercept:	0
Slope:	1.748

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	1.548663	50.0	422429.0	1.548663	Y
2	IC 410-617813/13	4.0	7.099675	50.0	413533.0	1.774919	Y
3	IC 410-617813/14	10.0	17.959985	50.0	410095.0	1.795998	Y
4	IC 410-617813/15	20.0	35.359664	50.0	418877.0	1.767983	Y
5	ICIS 410-617813/16	50.0	92.201196	50.0	419372.0	1.844024	Y
6	IC 410-617813/17	100.0	178.129839	50.0	434583.0	1.781298	Y
7	IC 410-617813/18	300.0	516.841082	50.0	469952.0	1.722804	Y



Calibration / p-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

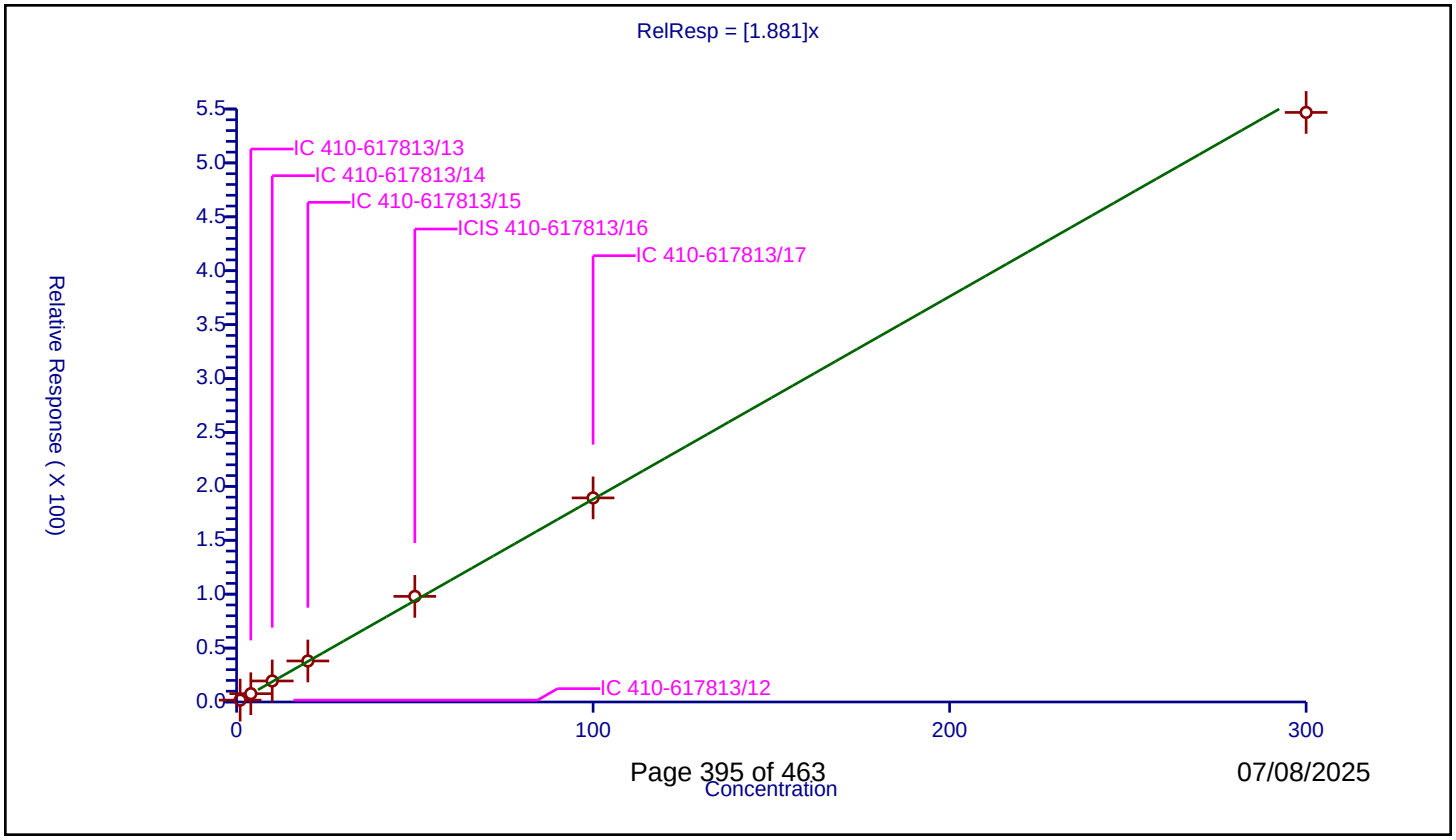
Curve Coefficients

Intercept:	0
Slope:	1.881

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	1.714726	50.0	422429.0	1.714726	Y
2	IC 410-617813/13	4.0	7.692977	50.0	413533.0	1.923244	Y
3	IC 410-617813/14	10.0	19.497799	50.0	410095.0	1.94978	Y
4	IC 410-617813/15	20.0	38.045297	50.0	418877.0	1.902265	Y
5	ICIS 410-617813/16	50.0	97.950388	50.0	419372.0	1.959008	Y
6	IC 410-617813/17	100.0	189.301123	50.0	434583.0	1.893011	Y
7	IC 410-617813/18	300.0	546.837762	50.0	469952.0	1.822793	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

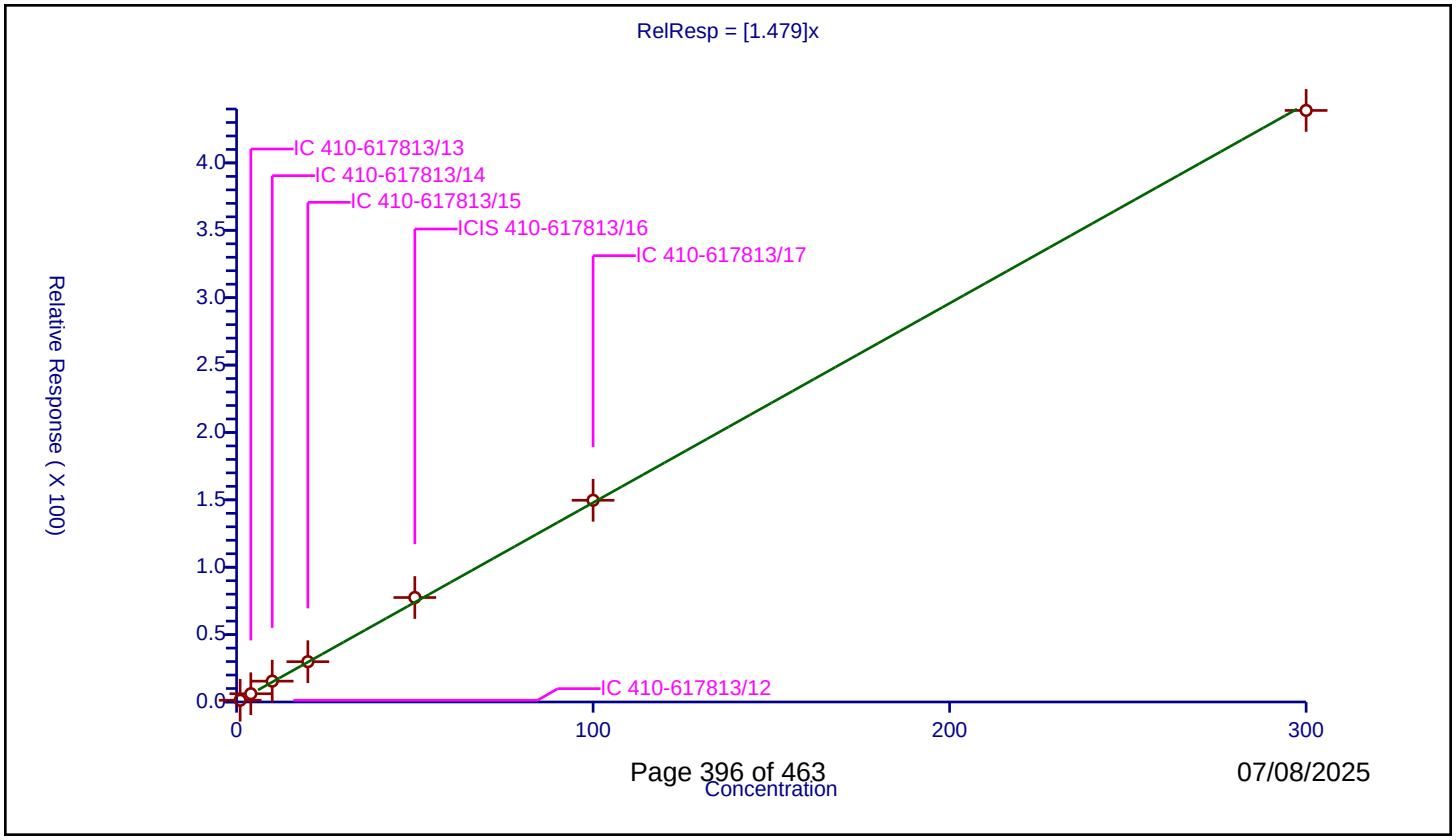
Curve Coefficients

Intercept:	0
Slope:	1.479

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	1.273232	50.0	422429.0	1.273232	Y
2	IC 410-617813/13	4.0	6.118133	50.0	413533.0	1.529533	Y
3	IC 410-617813/14	10.0	15.454224	50.0	410095.0	1.545422	Y
4	IC 410-617813/15	20.0	29.917732	50.0	418877.0	1.495887	Y
5	ICIS 410-617813/16	50.0	77.526039	50.0	419372.0	1.550521	Y
6	IC 410-617813/17	100.0	149.677392	50.0	434583.0	1.496774	Y
7	IC 410-617813/18	300.0	438.959404	50.0	469952.0	1.463198	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

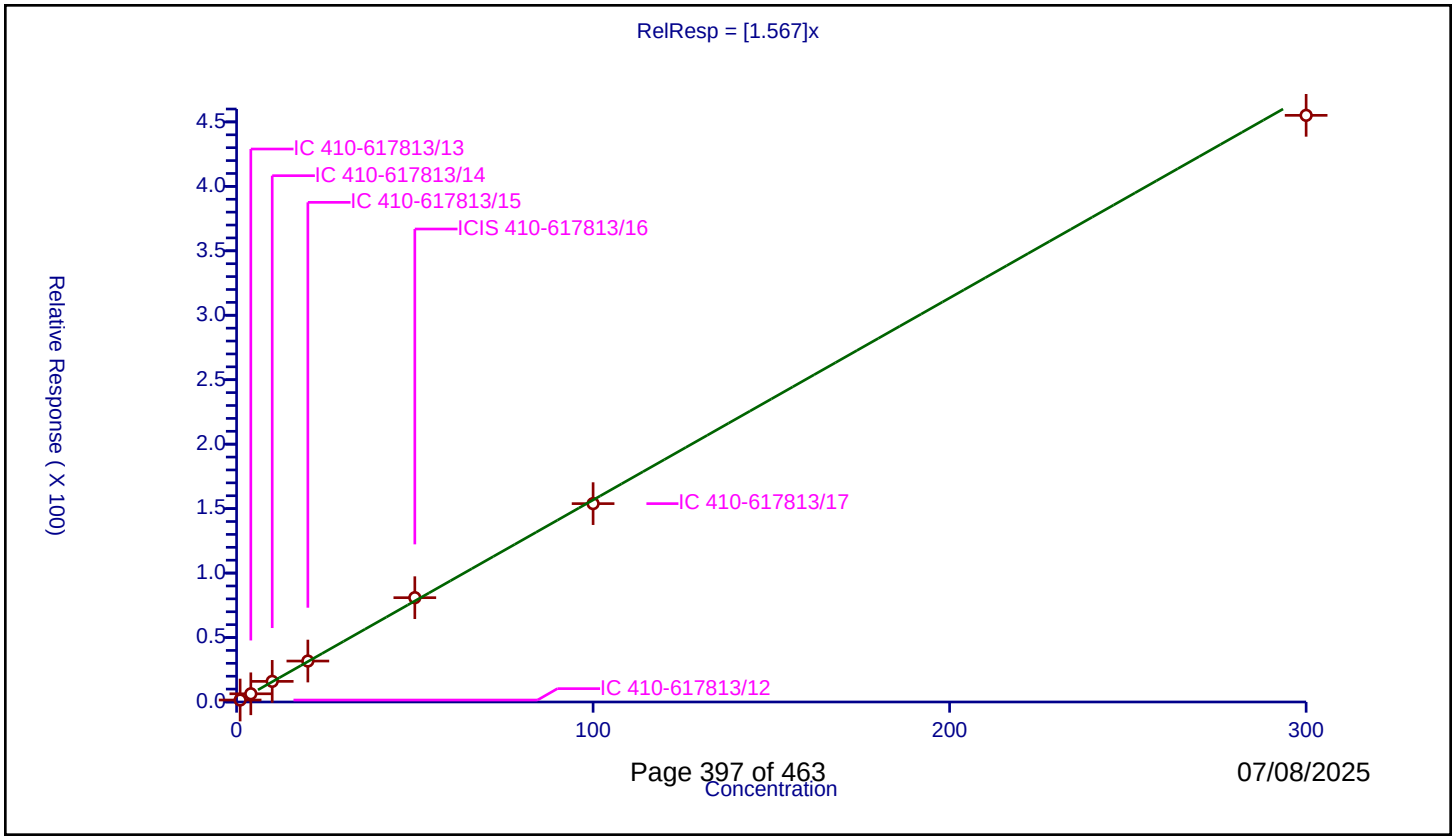
Curve Coefficients

Intercept:	0
Slope:	1.567

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	1.515994	50.0	422429.0	1.515994	Y
2	IC 410-617813/13	4.0	6.365876	50.0	413533.0	1.591469	Y
3	IC 410-617813/14	10.0	16.001292	50.0	410095.0	1.600129	Y
4	IC 410-617813/15	20.0	31.764814	50.0	418877.0	1.588241	Y
5	ICIS 410-617813/16	50.0	80.905974	50.0	419372.0	1.618119	Y
6	IC 410-617813/17	100.0	153.883723	50.0	434583.0	1.538837	Y
7	IC 410-617813/18	300.0	455.091265	50.0	469952.0	1.516971	Y



Calibration / o-diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

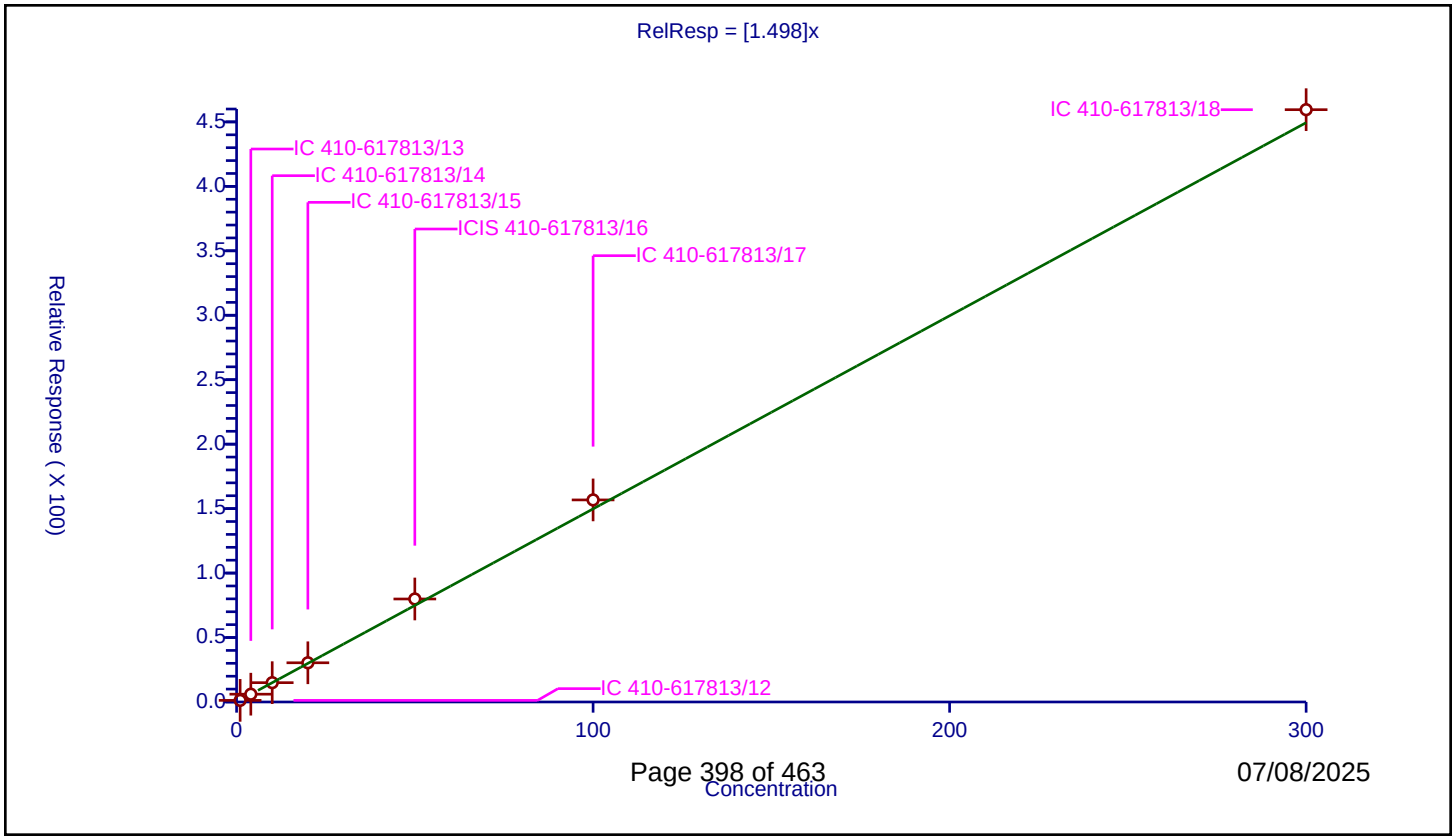
Curve Coefficients

Intercept:	0
Slope:	1.498

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	1.257253	50.0	422429.0	1.257253	Y
2	IC 410-617813/13	4.0	6.049457	50.0	413533.0	1.512364	Y
3	IC 410-617813/14	10.0	14.985186	50.0	410095.0	1.498519	Y
4	IC 410-617813/15	20.0	30.417521	50.0	418877.0	1.520876	Y
5	ICIS 410-617813/16	50.0	79.896488	50.0	419372.0	1.59793	Y
6	IC 410-617813/17	100.0	156.757167	50.0	434583.0	1.567572	Y
7	IC 410-617813/18	300.0	459.491714	50.0	469952.0	1.531639	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

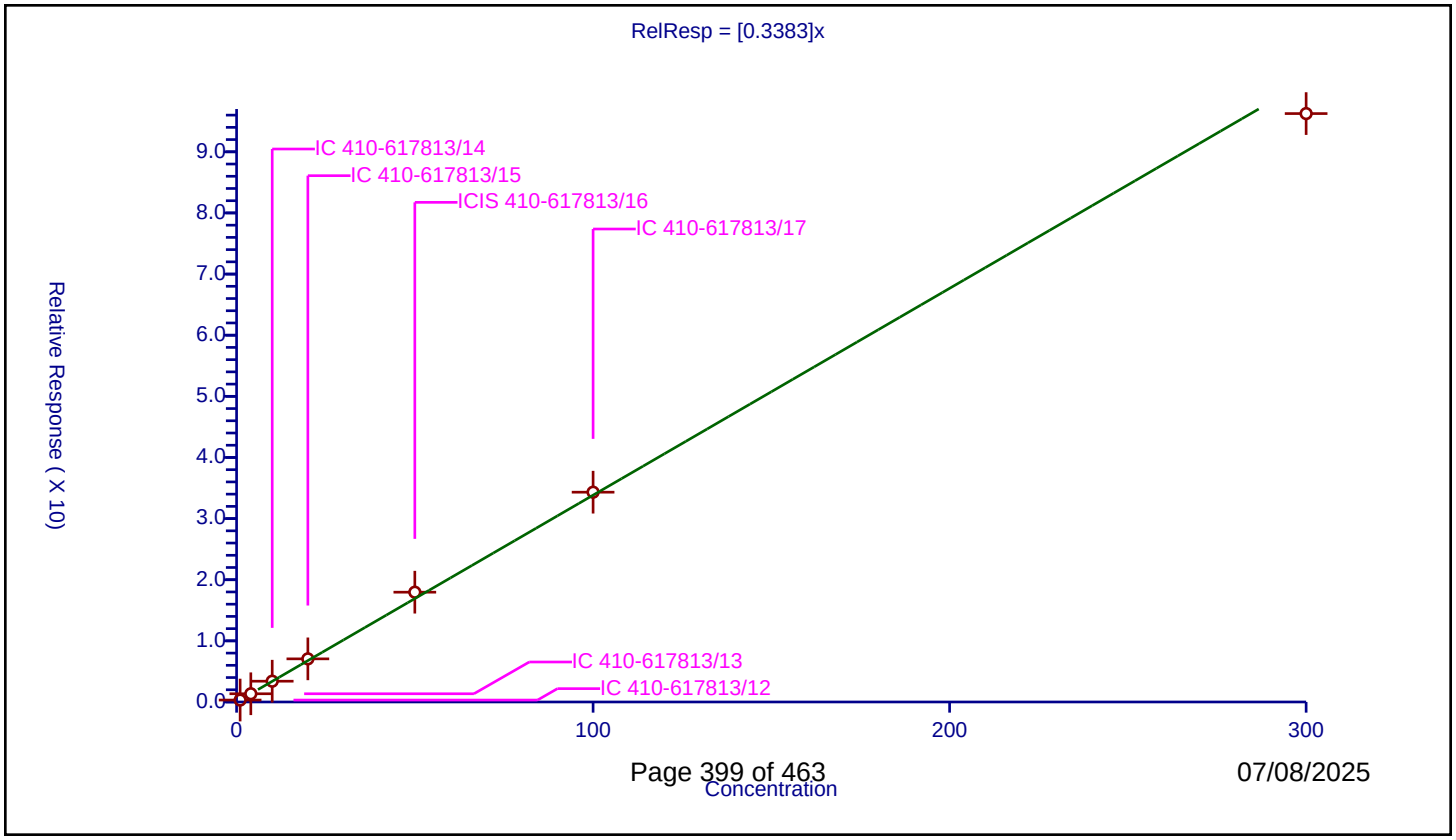
Curve Coefficients

Intercept:	0
Slope:	0.3383

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.315438	50.0	422429.0	0.315438	Y
2	IC 410-617813/13	4.0	1.347051	50.0	413533.0	0.336763	Y
3	IC 410-617813/14	10.0	3.401407	50.0	410095.0	0.340141	Y
4	IC 410-617813/15	20.0	7.054458	50.0	418877.0	0.352723	Y
5	ICIS 410-617813/16	50.0	17.95983	50.0	419372.0	0.359197	Y
6	IC 410-617813/17	100.0	34.319221	50.0	434583.0	0.343192	Y
7	IC 410-617813/18	300.0	96.253022	50.0	469952.0	0.320843	Y



Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

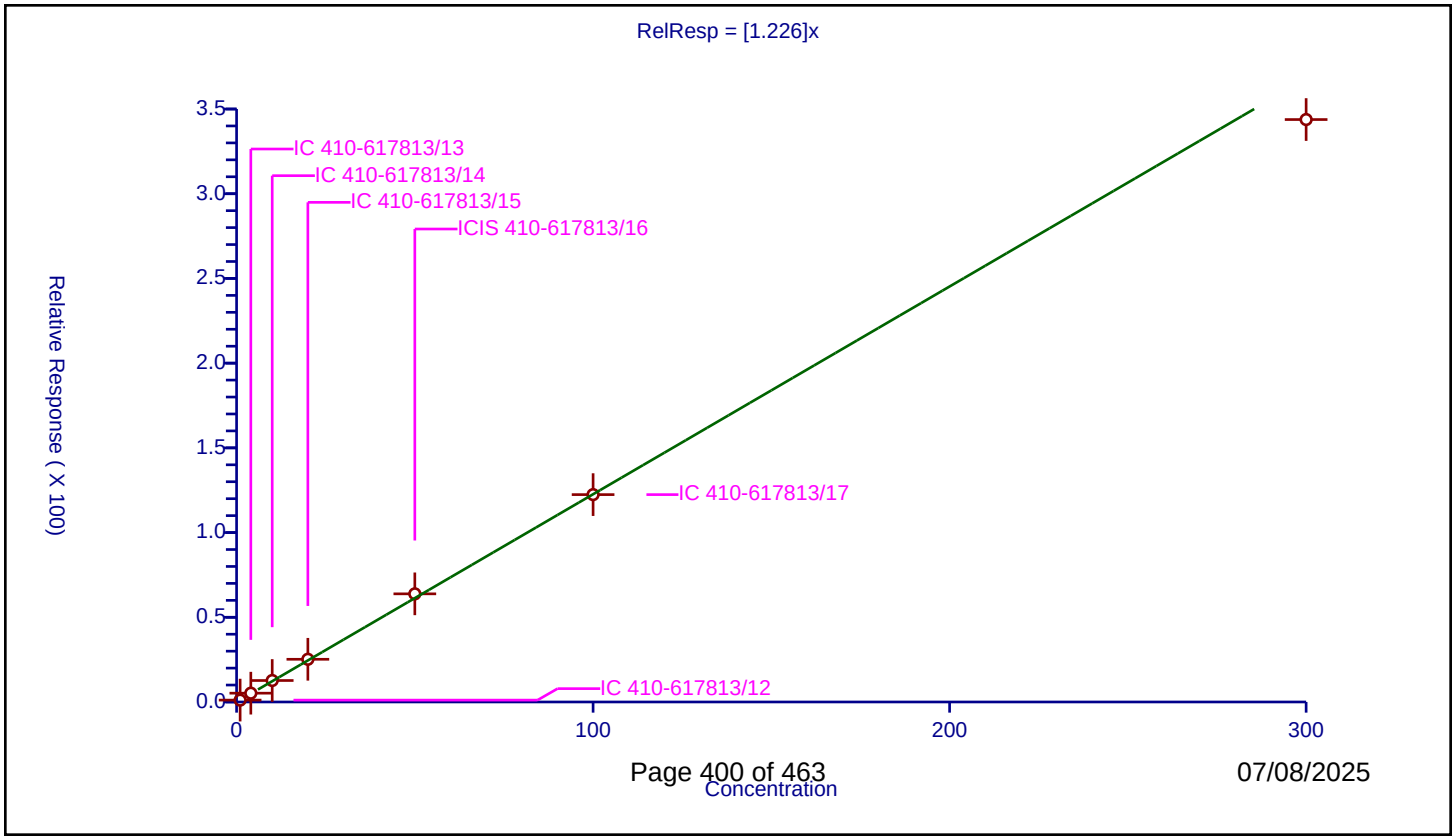
Curve Coefficients

Intercept:	0
Slope:	1.226

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	1.108234	50.0	422429.0	1.108234	Y
2	IC 410-617813/13	4.0	5.197288	50.0	413533.0	1.299322	Y
3	IC 410-617813/14	10.0	12.684988	50.0	410095.0	1.268499	Y
4	IC 410-617813/15	20.0	25.214204	50.0	418877.0	1.26071	Y
5	ICIS 410-617813/16	50.0	63.838668	50.0	419372.0	1.276773	Y
6	IC 410-617813/17	100.0	122.401244	50.0	434583.0	1.224012	Y
7	IC 410-617813/18	300.0	343.776598	50.0	469952.0	1.145922	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

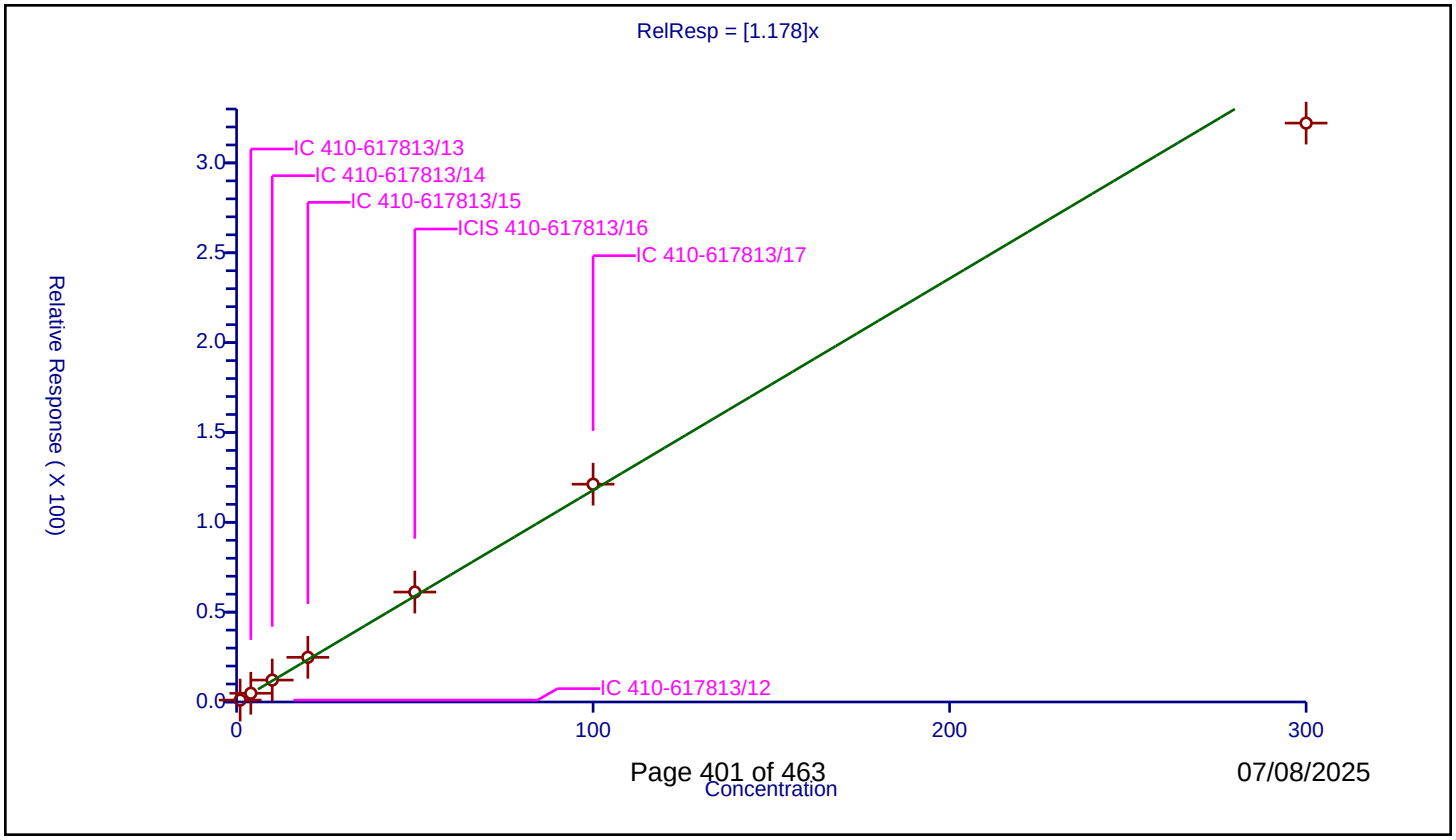
Curve Coefficients

Intercept:	0
Slope:	1.178

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	1.061243	50.0	422429.0	1.061243	Y
2	IC 410-617813/13	4.0	4.860797	50.0	413533.0	1.215199	Y
3	IC 410-617813/14	10.0	12.20327	50.0	410095.0	1.220327	Y
4	IC 410-617813/15	20.0	24.857297	50.0	418877.0	1.242865	Y
5	ICIS 410-617813/16	50.0	61.186965	50.0	419372.0	1.223739	Y
6	IC 410-617813/17	100.0	121.203429	50.0	434583.0	1.212034	Y
7	IC 410-617813/18	300.0	322.16886	50.0	469952.0	1.073896	Y



Calibration / 2-Ethylhexyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

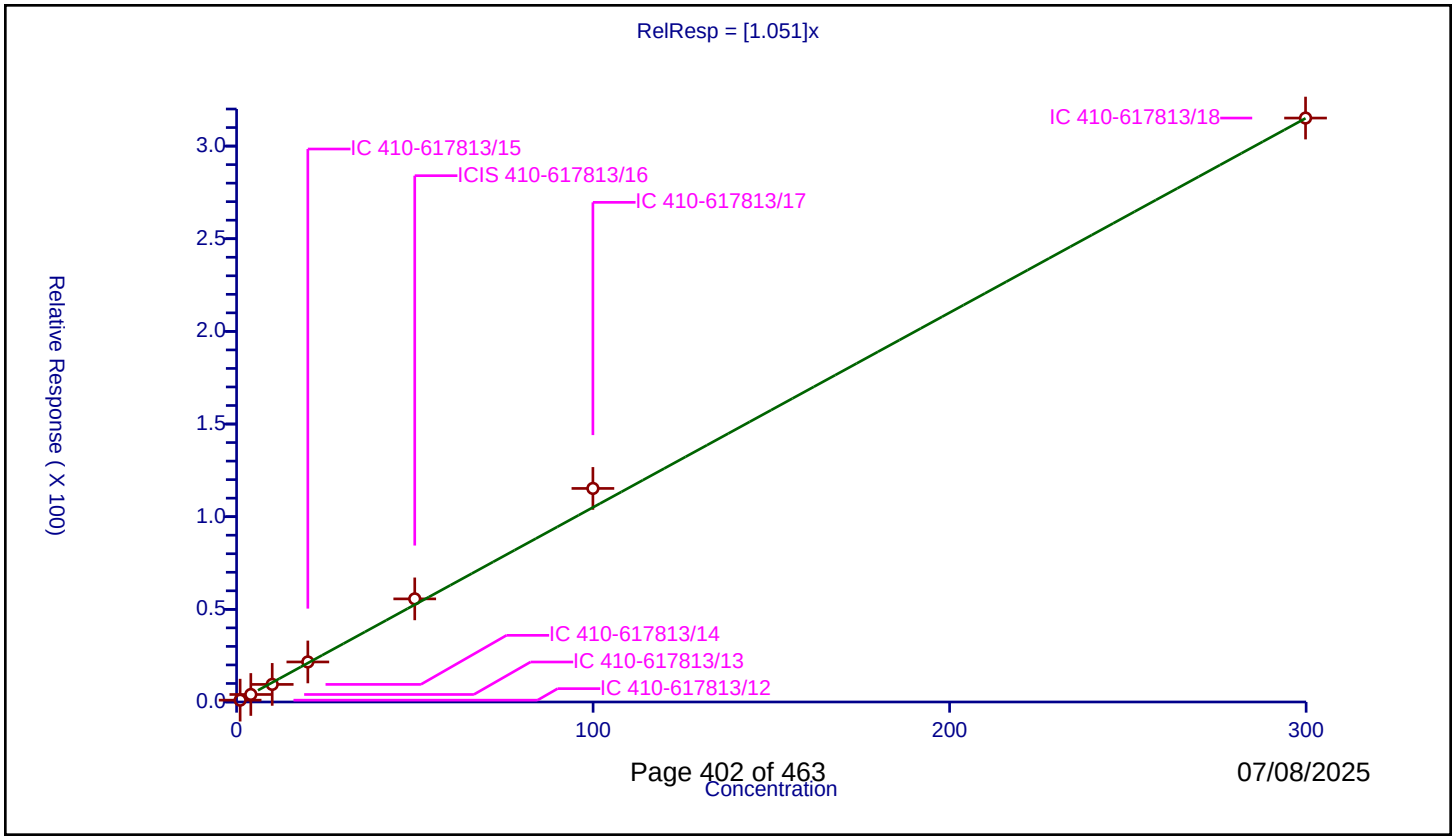
Curve Coefficients

Intercept:	0
Slope:	1.051

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	0.999472	0.992356	50.0	422429.0	0.992881	Y
2	IC 410-617813/13	3.997886	4.051309	50.0	413533.0	1.013363	Y
3	IC 410-617813/14	9.994716	9.486826	50.0	410095.0	0.949184	Y
4	IC 410-617813/15	19.989432	21.607178	50.0	418877.0	1.08093	Y
5	ICIS 410-617813/16	49.97358	55.634854	50.0	419372.0	1.113285	Y
6	IC 410-617813/17	99.94716	115.247375	50.0	434583.0	1.153083	Y
7	IC 410-617813/18	299.84148	315.125694	50.0	469952.0	1.050974	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

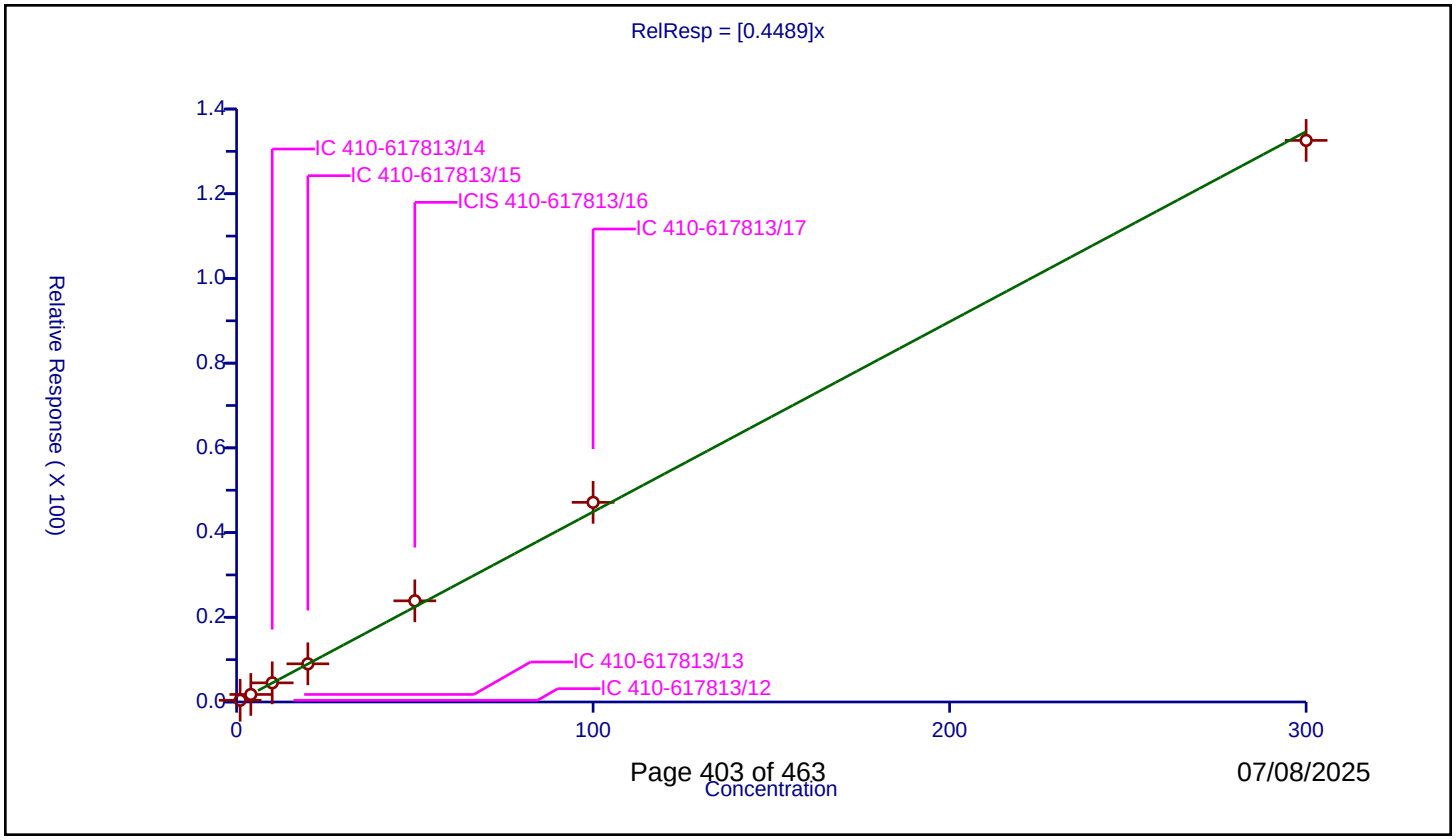
Curve Coefficients

Intercept:	0
Slope:	0.4489

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	0.404565	50.0	422429.0	0.404565	Y
2	IC 410-617813/13	4.0	1.777125	50.0	413533.0	0.444281	Y
3	IC 410-617813/14	10.0	4.517002	50.0	410095.0	0.4517	Y
4	IC 410-617813/15	20.0	9.015176	50.0	418877.0	0.450759	Y
5	ICIS 410-617813/16	50.0	23.886073	50.0	419372.0	0.477721	Y
6	IC 410-617813/17	100.0	47.132539	50.0	434583.0	0.471325	Y
7	IC 410-617813/18	300.0	132.59269	50.0	469952.0	0.441976	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

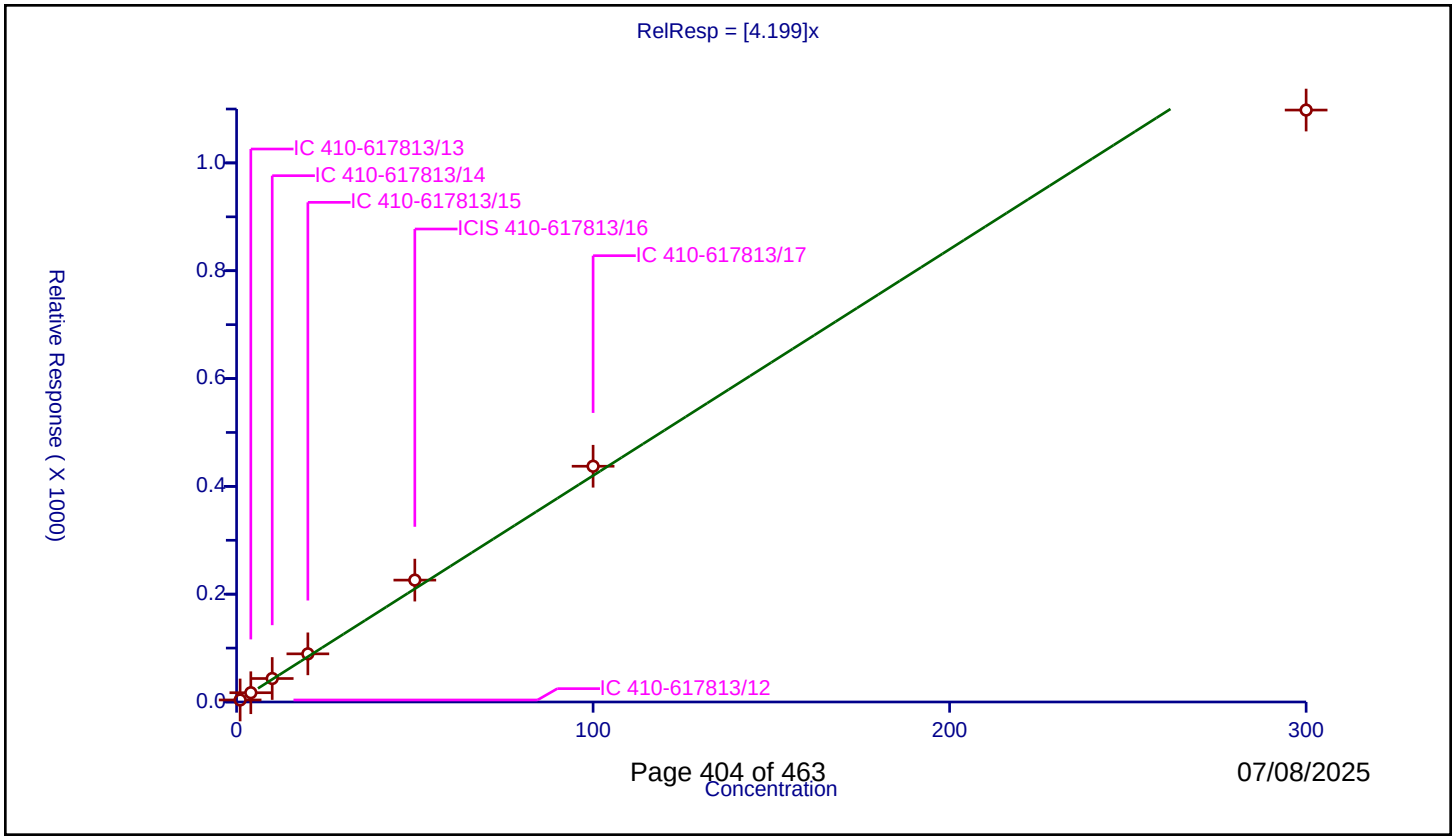
Curve Coefficients

Intercept:	0
Slope:	4.199

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	3.718258	50.0	422429.0	3.718258	Y
2	IC 410-617813/13	4.0	17.200441	50.0	413533.0	4.30011	Y
3	IC 410-617813/14	10.0	43.56076	50.0	410095.0	4.356076	Y
4	IC 410-617813/15	20.0	89.297455	50.0	418877.0	4.464873	Y
5	ICIS 410-617813/16	50.0	226.090798	50.0	419372.0	4.521816	Y
6	IC 410-617813/17	100.0	437.339127	50.0	434583.0	4.373391	Y
7	IC 410-617813/18	300.0	1098.050333	50.0	469952.0	3.660168	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

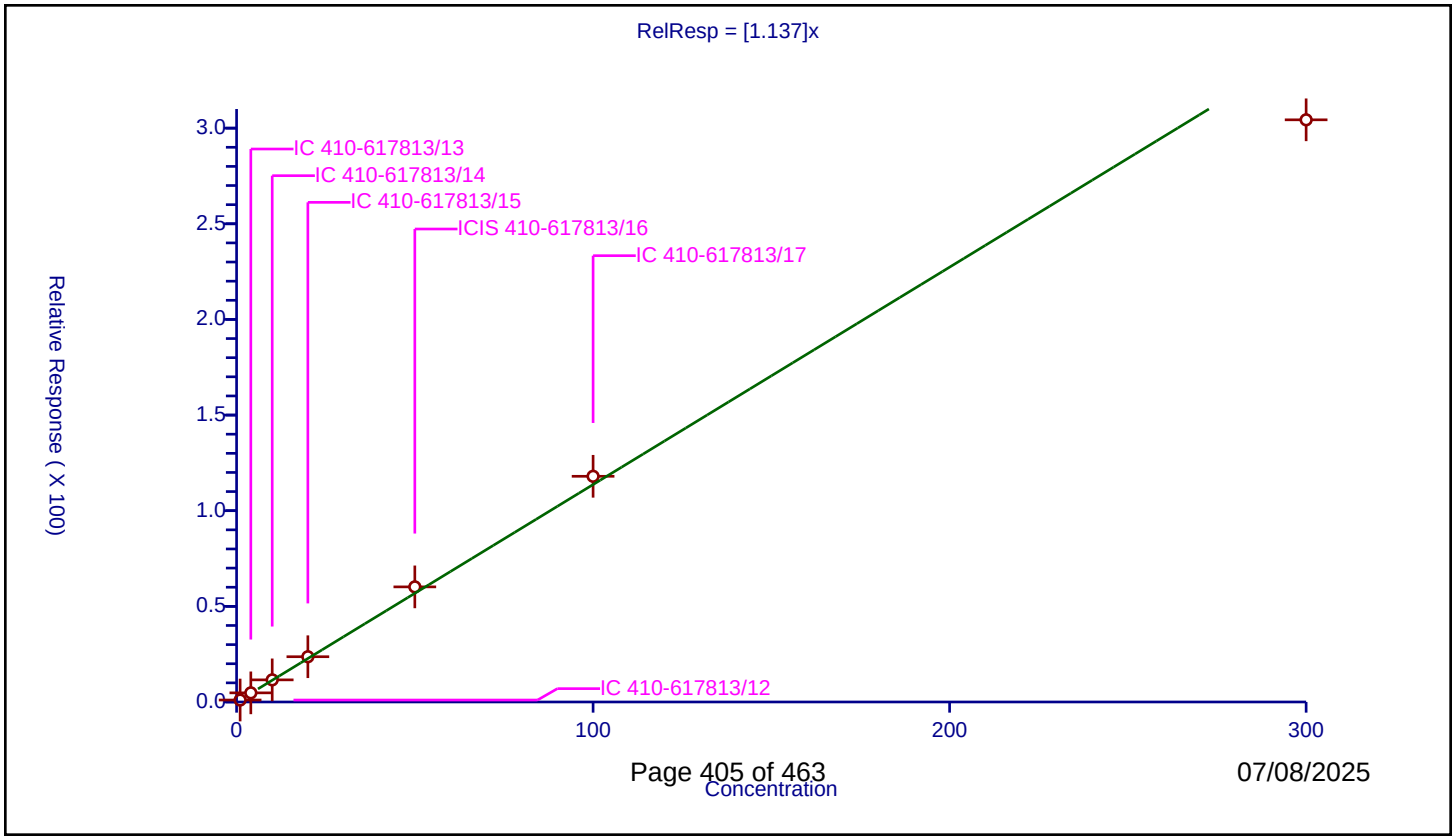
Curve Coefficients

Intercept:	0
Slope:	1.137

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	1.0268	50.0	422429.0	1.0268	Y
2	IC 410-617813/13	4.0	4.769873	50.0	413533.0	1.192468	Y
3	IC 410-617813/14	10.0	11.565857	50.0	410095.0	1.156586	Y
4	IC 410-617813/15	20.0	23.6579	50.0	418877.0	1.182895	Y
5	ICIS 410-617813/16	50.0	60.171995	50.0	419372.0	1.20344	Y
6	IC 410-617813/17	100.0	117.99219	50.0	434583.0	1.179922	Y
7	IC 410-617813/18	300.0	304.354381	50.0	469952.0	1.014515	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

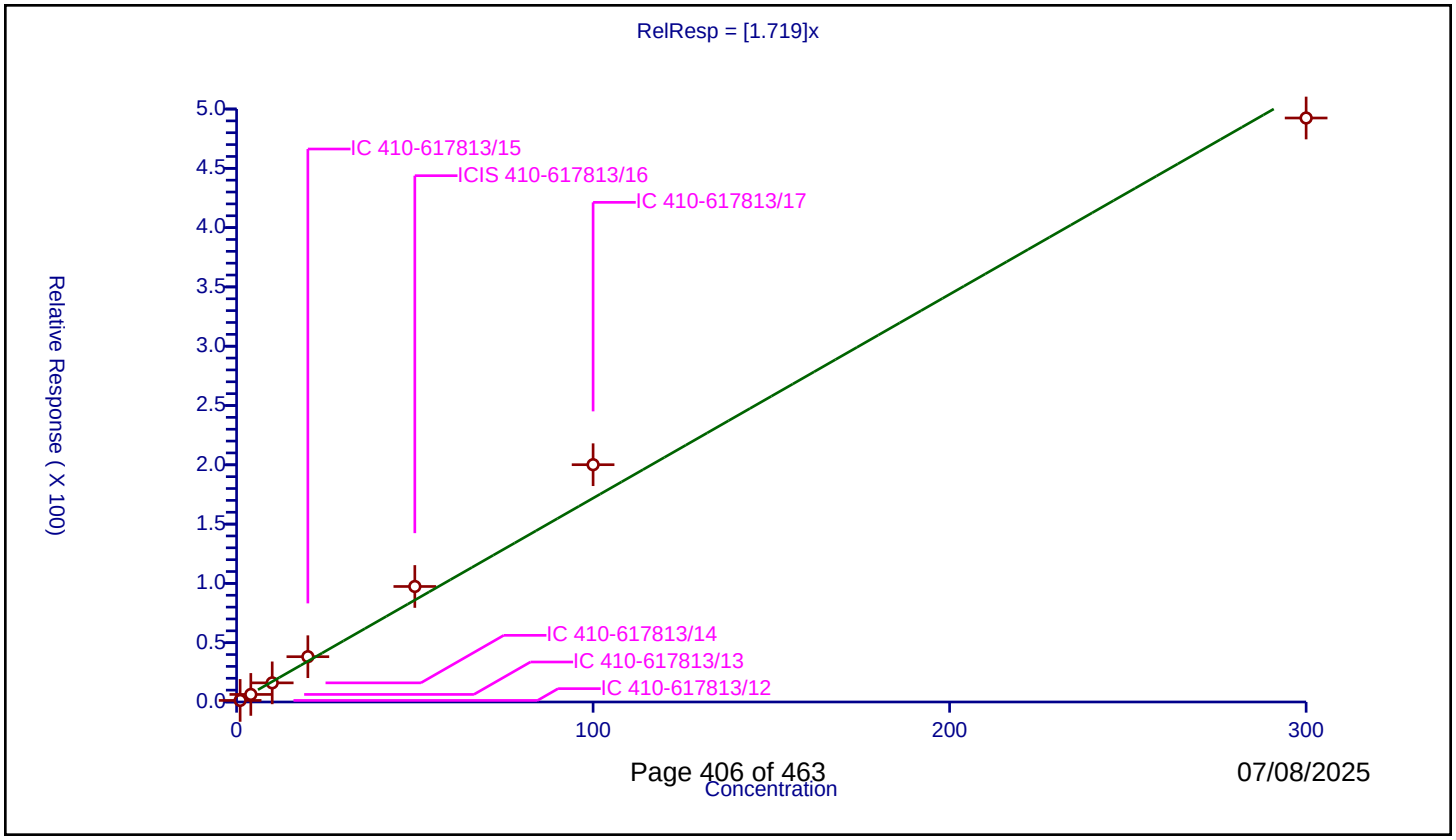
Curve Coefficients

Intercept:	0
Slope:	1.719

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617813/12	1.0	1.325548	50.0	422429.0	1.325548	Y
2	IC 410-617813/13	4.0	6.366965	50.0	413533.0	1.591741	Y
3	IC 410-617813/14	10.0	16.14065	50.0	410095.0	1.614065	Y
4	IC 410-617813/15	20.0	38.18806	50.0	418877.0	1.909403	Y
5	ICIS 410-617813/16	50.0	97.38633	50.0	419372.0	1.947727	Y
6	IC 410-617813/17	100.0	200.094458	50.0	434583.0	2.000945	Y
7	IC 410-617813/18	300.0	492.411033	50.0	469952.0	1.64137	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Lab Sample ID: ICV 410-617813/20 Calibration Date: 03/17/2025 21:06

Instrument ID: 23297 Calib Start Date: 03/17/2025 18:05

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 03/17/2025 20:21

Lab File ID: 4M17X19.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3929	0.3318	0.1000	16.9	20.0	-15.6	30.0
Chloromethane	Ave	0.4604	0.3591	0.1000	15.6	20.0	-22.0	30.0
1,3-Butadiene	Ave	0.5153	0.4313		16.7	20.0	-16.3	30.0
Vinyl chloride	Ave	0.4207	0.3431	0.1000	16.3	20.0	-18.4	30.0
Bromomethane	Ave	0.3246	0.2578	0.1000	15.9	20.0	-20.6	30.0
Chloroethane	Ave	0.2238	0.1827	0.1000	16.3	20.0	-18.4	30.0
Dichlorofluoromethane	Ave	0.6627	0.5212		15.7	20.0	-21.3	30.0
Trichlorofluoromethane	Ave	0.4788	0.4004	0.1000	16.7	20.0	-16.4	30.0
n-Pentane	Ave	0.4811	0.4304		17.9	20.0	-10.6	30.0
Ethanol	Ave	0.0783	0.0676		864	1000	-13.6	30.0
Freon 123a	Ave	0.3323	0.2596		15.6	20.0	-21.9	30.0
Acrolein	Ave	1.078	1.088		148	146	0.9	30.0
1,1-Dichloroethene	Ave	0.2468	0.2477	0.1000	20.1	20.0	0.4	30.0
Acetone	Ave	0.5358	0.5802	0.1000	271	250	8.3	30.0
Freon 113	Ave	0.2901	0.2560	0.1000	17.6	20.0	-11.8	30.0
Methyl iodide	Ave	0.5327	0.4549		17.1	20.0	-14.6	30.0
2-Propanol	Ave	0.8629	0.7624		133	150	-11.6	30.0
Carbon disulfide	Ave	0.9890	0.8539	0.1000	17.3	20.0	-13.7	30.0
Methyl acetate	Ave	0.3495	0.3179	0.1000	18.2	20.0	-9.0	30.0
Allyl chloride	Ave	0.4090	0.3568		17.4	20.0	-12.8	30.0
Methylene Chloride	Ave	0.2923	0.2878	0.1000	19.7	20.0	-1.5	30.0
t-Butyl alcohol	Ave	1.084	1.021		188	200	-5.9	30.0
Acrylonitrile	Ave	0.1863	0.1760		94.5	100	-5.5	30.0
Methyl tert-butyl ether	Ave	0.8286	0.7537	0.1000	18.2	20.0	-9.0	30.0
trans-1,2-Dichloroethene	Ave	0.2464	0.2367	0.1000	19.2	20.0	-3.9	30.0
n-Hexane	Ave	0.3760	0.3161		16.8	20.0	-15.9	30.0
1,1-Dichloroethane	Ave	0.4244	0.4268	0.2000	20.1	20.0	0.6	30.0
Isopropyl ether	Ave	0.8380	0.7558		18.0	20.0	-9.8	30.0
2-Chloro-1,3-butadiene	Ave	0.3863	0.3379		17.5	20.0	-12.5	30.0
Ethyl t-butyl ether	Ave	0.7966	0.7313		18.4	20.0	-8.2	30.0
2-Butanone (MEK)	Ave	0.2676	0.2656	0.1000	248	250	-0.7	30.0
cis-1,2-Dichloroethene	Ave	0.2882	0.2770	0.1000	19.2	20.0	-3.9	30.0
2,2-Dichloropropane	Ave	0.4327	0.4072		18.8	20.0	-5.9	30.0
Propionitrile	Ave	0.8884	0.9543		161	150	7.4	30.0
Methyl acrylate	Ave	0.4652	0.4788		20.6	20.0	2.9	30.0
Methacrylonitrile	Ave	0.1821	0.1749		144	150	-3.9	30.0
Bromochloromethane	Ave	0.1540	0.1510		19.6	20.0	-1.9	30.0
Tetrahydrofuran	Ave	0.8007	0.8115		101	100	1.3	30.0
Chloroform	Ave	0.4487	0.4363	0.2000	19.4	20.0	-2.8	30.0
1,1,1-Trichloroethane	Ave	0.4239	0.4161	0.1000	19.6	20.0	-1.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Lab Sample ID: ICV 410-617813/20 Calibration Date: 03/17/2025 21:06

Instrument ID: 23297 Calib Start Date: 03/17/2025 18:05

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 03/17/2025 20:21

Lab File ID: 4M17X19.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Cyclohexane	Ave	0.5121	0.4494	0.1000	17.5	20.0	-12.3	30.0
Carbon tetrachloride	Ave	0.3676	0.3621	0.1000	19.7	20.0	-1.5	30.0
1,1-Dichloropropene	Ave	0.3429	0.3257		19.0	20.0	-5.0	30.0
Isobutyl alcohol	Ave	0.3350	0.3288		491	500	-1.9	30.0
Benzene	Ave	1.034	1.000	0.5000	19.3	20.0	-3.3	30.0
1,2-Dichloroethane	Ave	0.3401	0.3412	0.1000	20.1	20.0	0.3	30.0
t-Amyl methyl ether	Ave	0.7759	0.7187		18.5	20.0	-7.4	30.0
n-Heptane	Ave	0.3698	0.3339		18.1	20.0	-9.7	30.0
n-Butanol	Ave	0.2431	0.2488		1020	1000	2.3	30.0
Trichloroethene	Ave	0.2604	0.2521	0.2000	19.4	20.0	-3.2	30.0
Ethyl acrylate	Ave	0.4684	0.4365		18.6	20.0	-6.8	30.0
Methylcyclohexane	Ave	0.4937	0.4447	0.1000	18.0	20.0	-9.9	30.0
1,2-Dichloropropane	Ave	0.2715	0.2628	0.1000	19.4	20.0	-3.2	30.0
t-Amyl ethyl ether	Ave	0.3722	0.3504		18.8	20.0	-5.9	30.0
Methyl methacrylate	Ave	0.2610	0.2452		18.8	20.0	-6.0	30.0
1,4-Dioxane	Ave	0.0681	0.0640	0.0050	470	500	-6.0	30.0
Dibromomethane	Ave	0.1817	0.1744		19.2	20.0	-4.0	30.0
Bromodichloromethane	Ave	0.3356	0.3210	0.2000	19.1	20.0	-4.3	30.0
2-Nitropropane	Ave	1.359	1.310		19.3	20.0	-3.6	30.0
2-Chloroethyl vinyl ether	Ave	0.1871	0.1762		18.8	20.0	-5.8	30.0
cis-1,3-Dichloropropene	Ave	0.3930	0.3699	0.2000	18.8	20.0	-5.9	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5558	0.5356	0.1000	241	250	-3.6	30.0
Toluene	Ave	0.8718	0.8468	0.4000	19.4	20.0	-2.9	30.0
trans-1,3-Dichloropropene	Ave	0.4906	0.4734	0.1000	19.3	20.0	-3.5	30.0
Ethyl methacrylate	Ave	0.6362	0.5679		17.9	20.0	-10.7	30.0
1,1,2-Trichloroethane	Ave	0.3328	0.3290	0.1000	19.8	20.0	-1.2	30.0
Tetrachloroethene	Ave	0.3807	0.3674	0.2000	19.3	20.0	-3.5	30.0
1,3-Dichloropropane	Ave	0.5195	0.5010		19.3	20.0	-3.6	30.0
2-Hexanone	Ave	0.5430	0.5310	0.1000	245	250	-2.2	30.0
Dibromochloromethane	Ave	0.3848	0.3741		19.4	20.0	-2.8	30.0
1,2-Dibromoethane (EDB)	Ave	0.3554	0.3489	0.1000	19.6	20.0	-1.8	30.0
1-Chlorohexane	Ave	0.4827	0.4342		18.0	20.0	-10.1	30.0
Chlorobenzene	Ave	0.9674	0.9426	0.5000	19.5	20.0	-2.6	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3984	0.3898		19.6	20.0	-2.2	30.0
Ethylbenzene	Ave	1.748	1.711	0.1000	19.6	20.0	-2.1	30.0
m&p-Xylene	Ave	0.6923	0.6660	0.1000	38.5	40.0	-3.8	30.0
n-Butyl acrylate	Ave	0.9203	0.8918		19.3	20.0	-3.1	30.0
o-Xylene	Ave	0.7330	0.7226	0.3000	19.7	20.0	-1.4	30.0
Styrene	Ave	1.120	1.110	0.3000	19.8	20.0	-0.9	30.0
Bromoform	Ave	0.3059	0.3025	0.1000	19.8	20.0	-1.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Lab Sample ID: ICV 410-617813/20 Calibration Date: 03/17/2025 21:06

Instrument ID: 23297 Calib Start Date: 03/17/2025 18:05

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 03/17/2025 20:21

Lab File ID: 4M17X19.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Isopropylbenzene	Ave	1.708	1.895	0.1000	22.2	20.0	10.9	30.0
Cyclohexanone	Ave	0.2799	0.2456		439	500	-12.2	30.0
1,1,2,2-Tetrachloroethane	Ave	1.122	1.124	0.3000	20.0	20.0	0.1	30.0
Bromobenzene	Ave	0.7390	0.7130		19.3	20.0	-3.5	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2932	0.2981		102	100	1.7	30.0
1,2,3-Trichloropropane	Ave	0.3202	0.3124		19.5	20.0	-2.4	30.0
N-Propylbenzene	Ave	3.559	3.474		19.5	20.0	-2.4	30.0
2-Chlorotoluene	Ave	0.7485	0.7296		19.5	20.0	-2.5	30.0
1,3,5-Trimethylbenzene	Ave	2.666	2.630		19.7	20.0	-1.3	30.0
4-Chlorotoluene	Ave	0.7214	0.6955		19.3	20.0	-3.6	30.0
tert-Butylbenzene	Ave	0.4842	0.4748		19.6	20.0	-1.9	30.0
1,2,4-Trimethylbenzene	Ave	2.781	2.716		19.5	20.0	-2.4	30.0
sec-Butylbenzene	Ave	3.348	3.309		19.8	20.0	-1.2	30.0
1,3-Dichlorobenzene	Ave	1.486	1.447	0.6000	19.5	20.0	-2.6	30.0
p-Isopropyltoluene	Ave	2.967	2.890		19.5	20.0	-2.6	30.0
1,4-Dichlorobenzene	Ave	1.506	1.477	0.5000	19.6	20.0	-2.0	30.0
1,2,3-Trimethylbenzene	Ave	2.961	2.792		18.9	20.0	-5.7	30.0
Benzyl chloride	Ave	2.305	2.162		18.8	20.0	-6.2	30.0
1,3-Diethylbenzene	Ave	1.748	1.753		20.1	20.0	0.3	30.0
1,4-Diethylbenzene	Ave	1.881	1.848		19.7	20.0	-1.7	30.0
n-Butylbenzene	Ave	1.479	1.461		19.7	20.0	-1.3	30.0
1,2-Dichlorobenzene	Ave	1.567	1.555	0.4000	19.8	20.0	-0.8	30.0
1,2-Diethylbenzene	Ave	1.498	1.427		19.0	20.0	-4.8	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.3383	0.3381	0.0500	20.0	20.0	-0.0	30.0
1,3,5-Trichlorobenzene	Ave	1.226	1.240		20.2	20.0	1.1	30.0
1,2,4-Trichlorobenzene	Ave	1.178	1.264	0.2000	21.4	20.0	7.2	30.0
2-Ethylhexyl acrylate	Ave	1.051	1.344		25.6	20.0	27.9	30.0
Hexachlorobutadiene	Ave	0.4489	0.5090		22.7	20.0	13.4	30.0
Naphthalene	Ave	4.199	4.651		22.2	20.0	10.8	30.0
1,2,3-Trichlorobenzene	Ave	1.137	1.218		21.4	20.0	7.2	30.0
2-Methylnaphthalene	Ave	1.719	2.335		27.2	20.0	35.8*	30.0
Dibromofluoromethane (Surr)	Ave	0.2598	0.2591		49.9	50.0	-0.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0625	0.0618		49.5	50.0	-1.1	30.0
Toluene-d8 (Surr)	Ave	1.362	1.361		50.0	50.0	-0.0	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4981	0.4921		49.4	50.0	-1.2	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X19.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 17-Mar-2025 21:06:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141042-020
Misc. Info.: ICV
Operator ID: mec29284 Instrument ID: 23297
Sublist:

Method: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2025 12:32:41 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: TQ4J Date: 18-Mar-2025 07:20:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.758	1.770	-0.012	99	125776	20.0	16.9	
4 Chloromethane	50	1.934	1.934	0.000	99	136110	20.0	15.6	
5 Vinyl chloride	62	2.031	2.038	-0.007	72	130048	20.0	16.3	
6 Butadiene	39	2.031	2.038	-0.007	93	163463	20.0	16.7	
8 Bromomethane	94	2.323	2.330	-0.007	90	97719	20.0	15.9	
9 Chloroethane	64	2.396	2.409	-0.013	100	69239	20.0	16.3	
10 Dichlorofluoromethane	67	2.609	2.622	-0.013	97	197555	20.0	15.7	
11 Trichlorofluoromethane	101	2.676	2.682	-0.006	84	151764	20.0	16.7	
12 Pentane	43	2.707	2.713	-0.006	97	163134	20.0	17.9	
13 Ethanol	45	2.859	2.877	-0.018	92	119180	1000.1	863.7	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.968	2.980	-0.012	92	98400	20.0	15.6	
16 Acrolein	56	3.029	3.035	-0.006	99	280605	146.4	147.6	
17 1,1-Dichloroethene	96	3.169	3.175	-0.006	97	93893	20.0	20.1	
18 Acetone	58	3.181	3.187	-0.006	100	255725	250.0	270.7	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.199	3.212	-0.013	90	97032	20.0	17.6	
21 Iodomethane	142	3.351	3.352	-0.001	98	172417	20.0	17.1	
20 Isopropyl alcohol	45	3.357	3.370	-0.013	59	201623	150.0	132.5	
22 Carbon disulfide	76	3.443	3.449	-0.006	99	323667	20.0	17.3	
24 Methyl acetate	43	3.558	3.558	0.000	98	120504	20.0	18.2	
25 3-Chloro-1-propene	41	3.583	3.589	-0.006	90	135238	20.0	17.4	
26 Methylene Chloride	84	3.753	3.759	-0.006	92	109076	20.0	19.7	
* 27 t-Butyl alcohol-d10 (IS)	65	3.826	3.814	0.012	95	440751	250.0	250.0	
29 2-Methyl-2-propanol	59	3.929	3.936	-0.007	100	359913	200.0	188.3	
30 Acrylonitrile	53	4.039	4.045	-0.006	99	333629	100.0	94.5	
31 Methyl tert-butyl ether	73	4.112	4.124	-0.012	89	285703	20.0	18.2	
32 trans-1,2-Dichloroethene	96	4.118	4.124	-0.006	99	89709	20.0	19.2	
34 Hexane	57	4.544	4.550	-0.006	93	119809	20.0	16.8	
35 1,1-Dichloroethane	63	4.769	4.781	-0.012	96	161774	20.0	20.1	
37 Isopropyl ether	45	4.842	4.848	-0.006	94	286467	20.0	18.0	
38 2-Chloro-1,3-butadiene	53	4.891	4.897	-0.006	91	128075	20.0	17.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.402	5.396	0.006	98	277181	20.0	18.4	
40 2-Butanone (MEK)	43	5.602	5.609	-0.007	100	1258336	250.0	248.1	
41 cis-1,2-Dichloroethene	96	5.627	5.633	-0.006	82	104994	20.0	19.2	
42 2,2-Dichloropropane	77	5.651	5.651	0.000	90	154355	20.0	18.8	
43 Propionitrile	54	5.694	5.694	0.000	96	252375	150.0	161.1	
46 Methyl acrylate	55	5.742	5.742	0.000	99	181240	20.0	20.6	
47 Methacrylonitrile	67	5.907	5.913	-0.007	93	497282	150.0	144.1	
48 Chlorobromomethane	128	5.961	5.967	-0.006	90	57249	20.0	19.6	
49 Tetrahydrofuran	71	5.986	5.986	0.000	83	143072	100.0	101.3	
50 Chloroform	83	6.126	6.126	0.000	95	165384	20.0	19.4	
$ 52 Dibromofluoromethane (Surr)	113	6.345	6.345	0.000	93	245549	50.0	49.9	
53 1,1,1-Trichloroethane	97	6.357	6.363	-0.006	98	157724	20.0	19.6	
54 Cyclohexane	56	6.454	6.460	-0.006	92	170327	20.0	17.5	
55 Carbon tetrachloride	117	6.570	6.576	-0.006	87	137247	20.0	19.7	
56 1,1-Dichloropropene	75	6.576	6.576	0.000	94	123469	20.0	19.0	
57 Isobutyl alcohol	41	6.770	6.771	-0.001	95	289842	500.0	490.7	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.801	6.807	-0.006	89	58554	50.0	49.5	
59 Benzene	78	6.837	6.844	-0.007	97	379073	20.0	19.3	
60 1,2-Dichloroethane	62	6.910	6.917	-0.007	97	129318	20.0	20.1	
62 Tert-amyl methyl ether	73	7.044	7.044	0.000	98	272434	20.0	18.5	
* 63 Fluorobenzene (IS)	96	7.251	7.257	-0.006	99	947610	50.0	50.0	
64 n-Heptane	43	7.281	7.288	-0.007	95	126560	20.0	18.1	
65 n-Butanol	56	7.646	7.671	-0.025	90	438584	1000.0	1023.1	
66 Trichloroethene	95	7.744	7.744	0.000	98	95549	20.0	19.4	
68 Ethyl acrylate	55	7.872	7.872	0.000	99	165200	20.0	18.6	
69 Methylcyclohexane	83	8.054	8.054	0.000	91	168560	20.0	18.0	
70 1,2-Dichloropropane	63	8.078	8.078	0.000	95	99618	20.0	19.4	
71 2-ethoxy-2-methyl butane	87	8.097	8.103	-0.006	91	132802	20.0	18.8	
73 Methyl methacrylate	69	8.176	8.182	-0.006	92	92942	20.0	18.8	
74 Dibromomethane	93	8.188	8.188	0.000	95	66089	20.0	19.2	
72 1,4-Dioxane	88	8.188	8.200	-0.012	85	56458	500.0	469.9	
76 Dichlorobromomethane	83	8.431	8.431	0.000	100	121688	20.0	19.1	
77 2-Nitropropane	41	8.705	8.705	0.000	98	46202	20.0	19.3	
78 2-Chloroethyl vinyl ether	63	8.814	8.809	0.005	92	66790	20.0	18.8	
79 cis-1,3-Dichloropropene	75	8.997	9.003	-0.006	96	140203	20.0	18.8	
80 4-Methyl-2-pentanone (MIBK)	43	9.198	9.192	0.006	97	2537927	250.0	240.9	
$ 82 Toluene-d8 (Surr)	98	9.332	9.332	0.000	93	945762	50.0	50.0	
86 Toluene	92	9.417	9.417	0.000	98	235380	20.0	19.4	
87 trans-1,3-Dichloropropene	75	9.697	9.697	0.000	93	131593	20.0	19.3	
89 Ethyl methacrylate	69	9.770	9.776	-0.006	91	157861	20.0	17.9	
90 1,1,2-Trichloroethane	97	9.909	9.910	-0.001	90	91446	20.0	19.8	
105 Tetrachloroethene	166	10.001	10.001	0.000	97	102127	20.0	19.3	
107 1,3-Dichloropropane	76	10.074	10.080	-0.006	92	139246	20.0	19.3	
109 2-Hexanone	43	10.141	10.141	0.000	97	1845033	250.0	244.5	
119 Chlorodibromomethane	129	10.299	10.299	0.000	89	103981	20.0	19.4	
123 Ethylene Dibromide	107	10.408	10.408	0.000	98	96981	20.0	19.6	
* 125 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	86	694894	50.0	50.0	
126 1-Chlorohexane	91	10.883	10.883	0.000	98	120687	20.0	18.0	
130 Chlorobenzene	112	10.889	10.889	0.000	96	262003	20.0	19.5	
132 1,1,1,2-Tetrachloroethane	131	10.980	10.980	0.000	97	108343	20.0	19.6	
133 Ethylbenzene	91	10.980	10.986	-0.006	98	475587	20.0	19.6	
135 m-Xylene & p-Xylene	106	11.102	11.102	0.000	99	370253	40.0	38.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
137 n-Butyl acrylate	55	11.400	11.400	0.000	96	247402	20.0	19.3	
138 o-Xylene	106	11.443	11.437	0.006	96	200860	20.0	19.7	
139 Styrene	104	11.455	11.455	0.000	95	308542	20.0	19.8	
140 Bromoform	173	11.607	11.607	0.000	97	84082	20.0	19.8	
141 Isopropylbenzene	105	11.747	11.747	0.000	95	526609	20.0	22.2	
144 Cyclohexanone	55	11.820	11.820	0.000	93	216519	500.0	438.8	
$ 145 4-Bromofluorobenzene (Surr)	95	11.887	11.893	-0.006	91	341963	50.0	49.4	
146 1,1,2,2-Tetrachloroethane	83	11.996	11.996	0.000	94	191507	20.0	20.0	
147 Bromobenzene	156	12.002	12.008	-0.006	94	121502	20.0	19.3	
148 trans-1,4-Dichloro-2-butene	53	12.020	12.021	-0.001	92	254010	100.0	101.7	
149 1,2,3-Trichloropropane	110	12.039	12.039	0.000	81	53243	20.0	19.5	
150 N-Propylbenzene	91	12.081	12.081	0.000	99	591941	20.0	19.5	
151 2-Chlorotoluene	126	12.154	12.154	0.000	97	124330	20.0	19.5	
152 1,3,5-Trimethylbenzene	105	12.221	12.221	0.000	94	448189	20.0	19.7	
153 4-Chlorotoluene	126	12.252	12.252	0.000	97	118529	20.0	19.3	
155 tert-Butylbenzene	134	12.465	12.465	0.000	93	80910	20.0	19.6	
157 1,2,4-Trimethylbenzene	105	12.507	12.507	0.000	97	462760	20.0	19.5	
158 sec-Butylbenzene	105	12.629	12.629	0.000	94	563947	20.0	19.8	
159 1,3-Dichlorobenzene	146	12.726	12.726	0.000	98	246622	20.0	19.5	
160 4-Isopropyltoluene	119	12.744	12.745	-0.001	97	492500	20.0	19.5	
* 161 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	94	426027	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.799	12.799	0.000	96	251615	20.0	19.6	
165 1,2,3-Trimethylbenzene	105	12.811	12.812	-0.001	99	475711	20.0	18.9	
166 Benzyl chloride	91	12.878	12.878	0.000	98	368366	20.0	18.8	
167 1,3-Diethylbenzene	119	12.945	12.945	0.000	96	298719	20.0	20.1	
168 p-Diethylbenzene	119	13.018	13.018	0.000	95	314921	20.0	19.7	
169 n-Butylbenzene	92	13.036	13.037	-0.001	98	248898	20.0	19.7	
170 1,2-Dichlorobenzene	146	13.061	13.061	0.000	99	264962	20.0	19.8	
171 o-diethylbenzene	119	13.091	13.091	0.000	94	243114	20.0	19.0	
172 1,2-Dibromo-3-Chloropropane	75	13.602	13.602	0.000	87	57618	20.0	20.0	
174 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	211333	20.0	20.2	
175 1,2,4-Trichlorobenzene	180	14.156	14.162	-0.006	94	215382	20.0	21.4	
176 2-Ethylhexyl acrylate	55	14.229	14.229	0.000	80	229057	20.0	25.6	
177 Hexachlorobutadiene	225	14.247	14.247	0.000	96	86733	20.0	22.7	
178 Naphthalene	128	14.338	14.338	0.000	97	792645	20.0	22.2	
179 1,2,3-Trichlorobenzene	180	14.478	14.478	0.000	96	207557	20.0	21.4	
180 2-Methylnaphthalene	142	15.074	15.075	-0.001	92	397834	20.0	27.2	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_VOC#1_00213	Amount Added:	50.00	Units: uL	
MSV_LCS_2CEVE_00219	Amount Added:	50.00	Units: uL	
MSV_LCS_ACROL_00217	Amount Added:	50.00	Units: uL	
MSV_LCS_ETOH_00010	Amount Added:	50.00	Units: uL	
MSV_LCS_CYC_00011	Amount Added:	50.00	Units: uL	
MSV_Q_Acr_Std_00011	Amount Added:	2.00	Units: uL	
MSV_QC_2K_GAS_00290	Amount Added:	1.00	Units: uL	
MSV_HP04_ISSS_00004	Amount Added:	1.00	Units: uL	Run Reagent

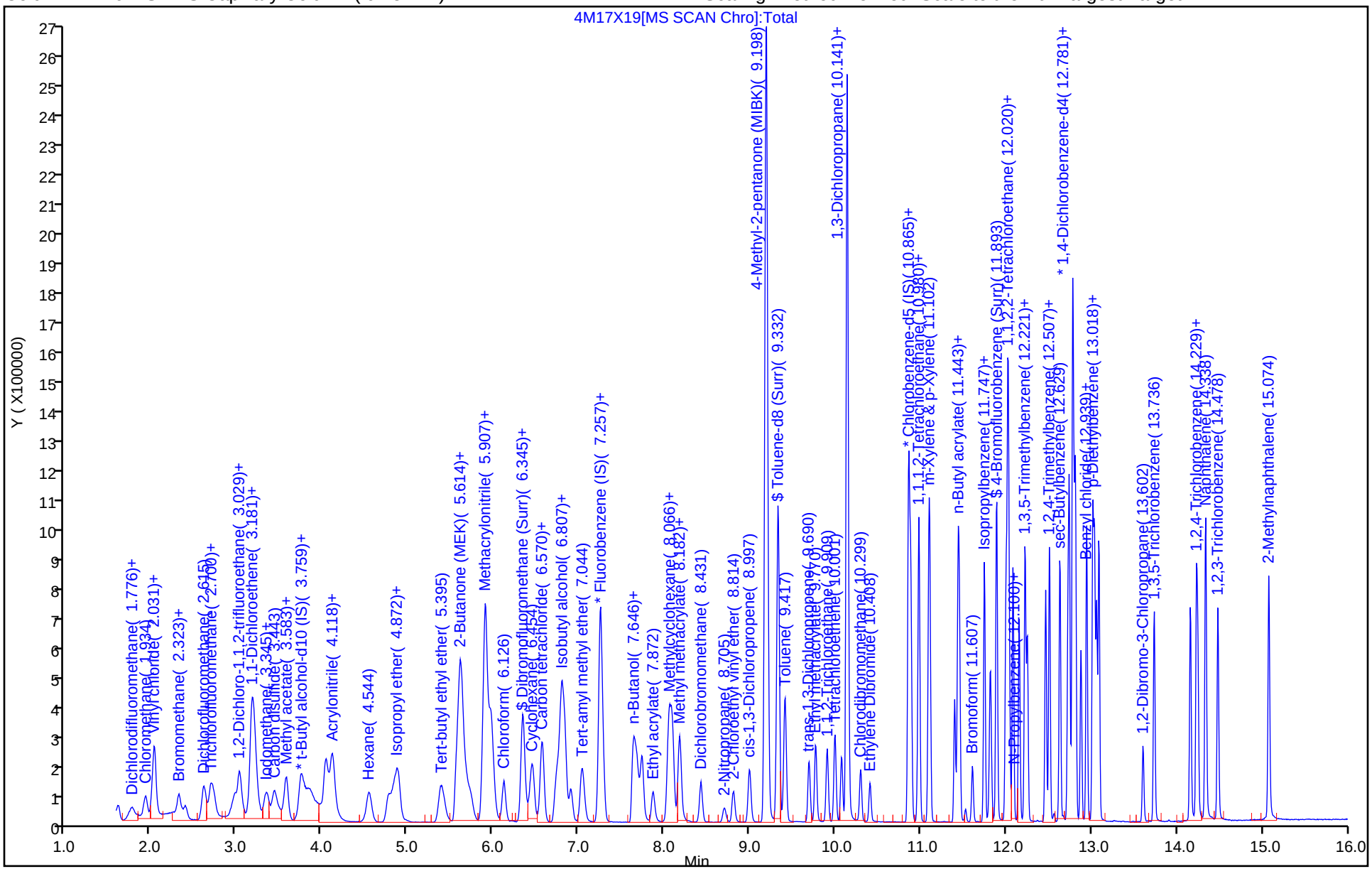
Report Date: 18-Mar-2025 12:34:11 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X19.D

Injection Date:	17-Mar-2025 21:06:30	Instrument ID:	23297	Operator ID:	mec29284
Lims ID:	ICV			Worklist Smp#:	20
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Lab Sample ID: CCVIS 410-667432/3 Calibration Date: 07/07/2025 11:43

Instrument ID: 23297 Calib Start Date: 03/17/2025 18:05

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 03/17/2025 20:21

Lab File ID: 4L07X11.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3929	0.2829	0.1000	36.0	50.0	-28.0*	20.0
Chloromethane	Ave	0.4604	0.4136	0.1000	44.9	50.0	-10.2	20.0
1,3-Butadiene	Ave	0.5153	0.4159		40.4	50.0	-19.3	20.0
Vinyl chloride	Ave	0.4207	0.3894	0.1000	46.3	50.0	-7.4	20.0
Bromomethane	Ave	0.3246	0.2829	0.1000	43.6	50.0	-12.8	20.0
Chloroethane	Ave	0.2238	0.2288	0.1000	51.1	50.0	2.2	20.0
Dichlorofluoromethane	Ave	0.6627	0.6259		47.2	50.0	-5.6	20.0
Trichlorofluoromethane	Ave	0.4788	0.3867	0.1000	40.4	50.0	-19.2	20.0
n-Pentane	Ave	0.4811	0.4060		42.2	50.0	-15.6	20.0
Ethanol	Ave	0.0783	0.0746		1190	1250	-4.6	20.0
Freon 123a	Ave	0.3323	0.3129		47.1	50.0	-5.8	20.0
Acrolein	Ave	1.078	1.285		581	488	19.2	20.0
1,1-Dichloroethene	Ave	0.2468	0.2238	0.1000	45.4	50.0	-9.3	20.0
Acetone	Ave	0.5358	0.7087	0.1000	132	100	32.3*	20.0
Freon 113	Ave	0.2901	0.2191	0.1000	37.8	50.0	-24.5*	20.0
Methyl iodide	Ave	0.5327	0.4246		39.9	50.0	-20.3*	20.0
2-Propanol	Ave	0.8629	0.7392		214	250	-14.3	20.0
Carbon disulfide	Ave	0.9890	0.9073	0.1000	45.9	50.0	-8.3	20.0
Methyl acetate	Ave	0.3495	0.3624	0.1000	51.8	50.0	3.7	20.0
Allyl chloride	Ave	0.4090	0.4048		49.5	50.0	-1.0	20.0
Methylene Chloride	Ave	0.2923	0.2834	0.1000	48.5	50.0	-3.0	20.0
t-Butyl alcohol	Ave	1.084	1.030		237	250	-5.0	20.0
Acrylonitrile	Ave	0.1863	0.1997		134	125	7.2	20.0
Methyl tert-butyl ether	Ave	0.8286	0.8586	0.1000	51.8	50.0	3.6	20.0
trans-1,2-Dichloroethene	Ave	0.2464	0.2311	0.1000	46.9	50.0	-6.2	20.0
n-Hexane	Ave	0.3760	0.2907		38.7	50.0	-22.7*	20.0
1,1-Dichloroethane	Ave	0.4244	0.4325	0.2000	51.0	50.0	1.9	20.0
Isopropyl ether	Ave	0.8380	0.8742		52.2	50.0	4.3	20.0
2-Chloro-1,3-butadiene	Ave	0.3863	0.3517		45.5	50.0	-8.9	20.0
Ethyl t-butyl ether	Ave	0.7966	0.8156		51.2	50.0	2.4	20.0
2-Butanone (MEK)	Ave	0.2676	0.2838	0.1000	106	100	6.1	20.0
cis-1,2-Dichloroethene	Ave	0.2882	0.2710	0.1000	47.0	50.0	-6.0	20.0
2,2-Dichloropropane	Ave	0.4327	0.3586		41.4	50.0	-17.1	20.0
Propionitrile	Ave	0.8884	0.9907		279	250	11.5	20.0
Methacrylonitrile	Ave	0.1821	0.1801		124	125	-1.1	20.0
Bromochloromethane	Ave	0.1540	0.1335		43.3	50.0	-13.3	20.0
Tetrahydrofuran	Ave	0.8007	0.8271		258	250	3.3	20.0
Chloroform	Ave	0.4487	0.4089	0.2000	45.6	50.0	-8.9	20.0
1,1,1-Trichloroethane	Ave	0.4239	0.3483	0.1000	41.1	50.0	-17.8	20.0
Cyclohexane	Ave	0.5121	0.4409	0.1000	43.0	50.0	-13.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Lab Sample ID: CCVIS 410-667432/3 Calibration Date: 07/07/2025 11:43

Instrument ID: 23297 Calib Start Date: 03/17/2025 18:05

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 03/17/2025 20:21

Lab File ID: 4L07X11.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.3676	0.2890	0.1000	39.3	50.0	-21.4*	20.0
1,1-Dichloropropene	Ave	0.3429	0.3243		47.3	50.0	-5.4	20.0
Isobutyl alcohol	Ave	0.3350	0.3142		586	625	-6.2	20.0
Benzene	Ave	1.034	1.007	0.5000	48.7	50.0	-2.7	20.0
1,2-Dichloroethane	Ave	0.3401	0.3126	0.1000	46.0	50.0	-8.1	20.0
t-Amyl methyl ether	Ave	0.7759	0.7968		51.3	50.0	2.7	20.0
n-Heptane	Ave	0.3698	0.3049		41.2	50.0	-17.5	20.0
n-Butanol	Ave	0.2431	0.2430		625	625	-0.0	20.0
Trichloroethene	Ave	0.2604	0.2406	0.2000	46.2	50.0	-7.6	20.0
Methylcyclohexane	Ave	0.4937	0.4129	0.1000	41.8	50.0	-16.4	20.0
1,2-Dichloropropane	Ave	0.2715	0.2702	0.1000	49.8	50.0	-0.5	20.0
t-Amyl ethyl ether	Ave	0.3722	0.3642		48.9	50.0	-2.1	20.0
1,4-Dioxane	Ave	0.0681	0.0612	0.0050	561	625	-10.3	20.0
Methyl methacrylate	Ave	0.2610	0.2409		46.2	50.0	-7.7	20.0
Dibromomethane	Ave	0.1817	0.1702		46.8	50.0	-6.4	20.0
Bromodichloromethane	Ave	0.3356	0.2991	0.2000	44.6	50.0	-10.9	20.0
2-Nitropropane	Ave	1.359	1.168		215	250	-14.1	20.0
2-Chloroethyl vinyl ether	Ave	0.1871	0.1902		50.8	50.0	1.7	20.0
cis-1,3-Dichloropropene	Ave	0.3930	0.3838	0.2000	48.8	50.0	-2.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5558	0.5550	0.1000	99.8	100	-0.2	20.0
Toluene	Ave	0.8718	0.8697	0.4000	49.9	50.0	-0.2	20.0
trans-1,3-Dichloropropene	Ave	0.4906	0.5029	0.1000	51.3	50.0	2.5	20.0
Ethyl methacrylate	Ave	0.6362	0.5984		47.0	50.0	-5.9	20.0
1,1,2-Trichloroethane	Ave	0.3328	0.3293	0.1000	49.5	50.0	-1.1	20.0
Tetrachloroethene	Ave	0.3807	0.3209	0.2000	42.1	50.0	-15.7	20.0
1,3-Dichloropropane	Ave	0.5195	0.5540		53.3	50.0	6.6	20.0
2-Hexanone	Ave	0.5430	0.5777	0.1000	106	100	6.4	20.0
Dibromochloromethane	Ave	0.3848	0.3457		44.9	50.0	-10.2	20.0
1,2-Dibromoethane (EDB)	Ave	0.3554	0.3461	0.1000	48.7	50.0	-2.6	20.0
1-Chlorohexane	Ave	0.4827	0.4107		42.5	50.0	-14.9	20.0
Chlorobenzene	Ave	0.9674	0.9102	0.5000	47.0	50.0	-5.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3984	0.3623		45.5	50.0	-9.1	20.0
Ethylbenzene	Ave	1.748	1.673	0.1000	47.8	50.0	-4.3	20.0
m&p-Xylene	Ave	0.6923	0.6445	0.1000	93.1	100	-6.9	20.0
o-Xylene	Ave	0.7330	0.6951	0.3000	47.4	50.0	-5.2	20.0
Styrene	Ave	1.120	1.026	0.3000	45.8	50.0	-8.3	20.0
Bromoform	Ave	0.3059	0.2518	0.1000	41.1	50.0	-17.7	20.0
Isopropylbenzene	Ave	1.708	1.629	0.1000	47.7	50.0	-4.6	20.0
1,1,2,2-Tetrachloroethane	Ave	1.122	1.247	0.3000	55.6	50.0	11.1	20.0
Bromobenzene	Ave	0.7390	0.6989		47.3	50.0	-5.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Lab Sample ID: CCVIS 410-667432/3 Calibration Date: 07/07/2025 11:43

Instrument ID: 23297 Calib Start Date: 03/17/2025 18:05

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 03/17/2025 20:21

Lab File ID: 4L07X11.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,4-Dichloro-2-butene	Ave	0.2932	0.3089		132	125	5.3	20.0
1,2,3-Trichloropropane	Ave	0.3202	0.3255		50.8	50.0	1.6	20.0
N-Propylbenzene	Ave	3.559	3.802		53.4	50.0	6.8	20.0
2-Chlorotoluene	Ave	0.7485	0.7660		51.2	50.0	2.3	20.0
1,3,5-Trimethylbenzene	Ave	2.666	2.897		54.3	50.0	8.7	20.0
4-Chlorotoluene	Ave	0.7214	0.7189		49.8	50.0	-0.3	20.0
tert-Butylbenzene	Ave	0.4842	0.5170		53.4	50.0	6.8	20.0
1,2,4-Trimethylbenzene	Ave	2.781	2.944		52.9	50.0	5.9	20.0
sec-Butylbenzene	Ave	3.348	3.712		55.4	50.0	10.9	20.0
1,3-Dichlorobenzene	Ave	1.486	1.401	0.6000	47.1	50.0	-5.7	20.0
p-Isopropyltoluene	Ave	2.967	3.139		52.9	50.0	5.8	20.0
1,4-Dichlorobenzene	Ave	1.506	1.441	0.5000	47.8	50.0	-4.3	20.0
1,2,3-Trimethylbenzene	Ave	2.961	3.156		53.3	50.0	6.6	20.0
Benzyl chloride	Ave	2.305	2.340		50.8	50.0	1.5	20.0
1,3-Diethylbenzene	Ave	1.748	1.795		51.4	50.0	2.7	20.0
1,4-Diethylbenzene	Ave	1.881	1.933		51.4	50.0	2.8	20.0
n-Butylbenzene	Ave	1.479	1.617		54.7	50.0	9.3	20.0
1,2-Dichlorobenzene	Ave	1.567	1.530	0.4000	48.8	50.0	-2.3	20.0
1,2-Diethylbenzene	Ave	1.498	1.624		54.2	50.0	8.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.3383	0.3652	0.0500	54.0	50.0	7.9	20.0
1,3,5-Trichlorobenzene	Ave	1.226	1.227		50.0	50.0	0.0	20.0
1,2,4-Trichlorobenzene	Ave	1.178	1.219	0.2000	51.7	50.0	3.4	20.0
Hexachlorobutadiene	Ave	0.4489	0.4428		49.3	50.0	-1.4	20.0
Naphthalene	Ave	4.199	4.783		57.0	50.0	13.9	20.0
1,2,3-Trichlorobenzene	Ave	1.137	1.211		53.3	50.0	6.6	20.0
2-Methylnaphthalene	Ave	1.719	2.289		66.6	50.0	33.2*	20.0
Dibromofluoromethane (Surr)	Ave	0.2598	0.2462		47.4	50.0	-5.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0625	0.0607		48.5	50.0	-2.9	20.0
Toluene-d8 (Surr)	Ave	1.362	1.481		54.4	50.0	8.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4981	0.4885		49.0	50.0	-1.9	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X11.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Jul-2025 11:43:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0152552-003
Misc. Info.: CCVIS
Operator ID: clm27445 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub66

Method: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 07-Jul-2025 12:24:09 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: TQ4J Date: 07-Jul-2025 12:24:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.776	1.776	0.000	99	268247	50.0	36.0	
4 Chloromethane	50	1.964	1.964	0.000	99	392156	50.0	44.9	
5 Butadiene	39	2.056	2.056	0.000	92	394320	50.0	40.4	
6 Vinyl chloride	62	2.056	2.056	0.000	97	369188	50.0	46.3	
8 Bromomethane	94	2.372	2.372	0.000	90	268223	50.0	43.6	
9 Chloroethane	64	2.427	2.427	0.000	100	216872	50.0	51.1	
10 Dichlorofluoromethane	67	2.658	2.658	0.000	97	593347	50.0	47.2	
11 Trichlorofluoromethane	101	2.719	2.719	0.000	98	366652	50.0	40.4	
12 Pentane	43	2.725	2.725	0.000	98	384879	50.0	42.2	
13 Ethanol	45	2.828	2.828	0.000	92	160088	1250.0	1191.9	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.986	2.986	0.000	95	296659	50.0	47.1	
16 Acrolein	56	3.047	3.047	0.000	100	1075798	487.9	581.5	
17 1,1-Dichloroethene	96	3.187	3.187	0.000	98	212212	50.0	45.4	
18 Acetone	58	3.199	3.199	0.000	100	121617	100.0	132.3	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.230	3.230	0.000	95	207689	50.0	37.8	
21 Iodomethane	142	3.370	3.370	0.000	97	402567	50.0	39.9	
20 Isopropyl alcohol	45	3.376	3.376	0.000	50	317123	250.0	214.2	
22 Carbon disulfide	76	3.455	3.455	0.000	99	860162	50.0	45.9	
24 Methyl acetate	43	3.570	3.570	0.000	98	343605	50.0	51.8	
25 3-Chloro-1-propene	41	3.595	3.595	0.000	94	383752	50.0	49.5	
26 Methylene Chloride	84	3.765	3.765	0.000	96	268688	50.0	48.5	
* 27 t-Butyl alcohol-d10 (IS)	65	3.796	3.796	0.000	63	429021	250.0	250.0	
29 2-Methyl-2-propanol	59	3.917	3.917	0.000	99	441883	250.0	237.5	
30 Acrylonitrile	53	4.057	4.057	0.000	100	473323	125.0	134.0	
32 Methyl tert-butyl ether	73	4.130	4.130	0.000	96	813946	50.0	51.8	
31 trans-1,2-Dichloroethene	96	4.136	4.136	0.000	99	219081	50.0	46.9	
34 Hexane	57	4.562	4.562	0.000	93	275580	50.0	38.7	
35 1,1-Dichloroethane	63	4.787	4.787	0.000	96	410038	50.0	51.0	
37 Isopropyl ether	45	4.854	4.854	0.000	96	828738	50.0	52.2	
38 2-Chloro-1,3-butadiene	53	4.903	4.903	0.000	90	333470	50.0	45.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.408	5.408	0.000	98	773245	50.0	51.2	
40 2-Butanone (MEK)	43	5.615	5.615	0.000	100	538117	100.0	106.1	
41 cis-1,2-Dichloroethene	96	5.633	5.633	0.000	82	256963	50.0	47.0	
42 2,2-Dichloropropane	77	5.651	5.651	0.000	90	340014	50.0	41.4	
44 Propionitrile	54	5.694	5.694	0.000	100	425022	250.0	278.8	
47 Methacrylonitrile	67	5.913	5.913	0.000	92	426753	125.0	123.6	
48 Chlorobromomethane	128	5.973	5.973	0.000	97	126517	50.0	43.3	
49 Tetrahydrofuran	71	5.986	5.986	0.000	91	354846	250.0	258.2	
50 Chloroform	83	6.132	6.132	0.000	93	387616	50.0	45.6	
$ 52 Dibromofluoromethane (Surr)	113	6.351	6.351	0.000	93	233377	50.0	47.4	
53 1,1,1-Trichloroethane	97	6.363	6.363	0.000	99	330229	50.0	41.1	
54 Cyclohexane	56	6.472	6.472	0.000	91	417999	50.0	43.0	
55 Carbon tetrachloride	117	6.576	6.576	0.000	94	274010	50.0	39.3	
56 1,1-Dichloropropene	75	6.582	6.582	0.000	99	307434	50.0	47.3	
57 Isobutyl alcohol	41	6.764	6.764	0.000	94	336990	625.0	586.2	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.807	6.807	0.000	81	57510	50.0	48.5	
59 Benzene	78	6.843	6.843	0.000	96	954352	50.0	48.7	
60 1,2-Dichloroethane	62	6.916	6.916	0.000	97	296402	50.0	46.0	
62 Tert-amyl methyl ether	73	7.044	7.044	0.000	99	755369	50.0	51.3	
* 63 Fluorobenzene (IS)	96	7.263	7.263	0.000	98	948039	50.0	50.0	
64 n-Heptane	43	7.287	7.287	0.000	94	289085	50.0	41.2	
65 n-Butanol	56	7.659	7.659	0.000	89	260607	625.0	624.6	
66 Trichloroethene	95	7.750	7.750	0.000	99	228111	50.0	46.2	
69 Methylcyclohexane	83	8.060	8.060	0.000	92	391435	50.0	41.8	
70 1,2-Dichloropropane	63	8.078	8.078	0.000	98	256119	50.0	49.8	
72 2-ethoxy-2-methyl butane	87	8.103	8.103	0.000	91	345291	50.0	48.9	
74 1,4-Dioxane	88	8.176	8.176	0.000	35	65589	625.0	560.8	
73 Methyl methacrylate	69	8.182	8.182	0.000	93	228402	50.0	46.2	
75 Dibromomethane	93	8.188	8.188	0.000	96	161321	50.0	46.8	
77 Dichlorobromomethane	83	8.431	8.431	0.000	100	283535	50.0	44.6	
78 2-Nitropropane	41	8.705	8.705	0.000	98	500885	250.0	214.8	
79 2-Chloroethyl vinyl ether	63	8.814	8.814	0.000	90	180358	50.0	50.8	
80 cis-1,3-Dichloropropene	75	9.003	9.003	0.000	97	363892	50.0	48.8	
81 4-Methyl-2-pentanone (MIBK)	43	9.198	9.198	0.000	97	1052255	100.0	99.8	
$ 82 Toluene-d8 (Surr)	98	9.338	9.338	0.000	93	928174	50.0	54.4	
87 Toluene	92	9.417	9.417	0.000	98	545109	50.0	49.9	
88 trans-1,3-Dichloropropene	75	9.697	9.697	0.000	92	315217	50.0	51.3	
90 Ethyl methacrylate	69	9.776	9.776	0.000	90	375074	50.0	47.0	
94 1,1,2-Trichloroethane	97	9.910	9.910	0.000	90	206412	50.0	49.5	
99 Tetrachloroethene	166	10.001	10.001	0.000	95	201129	50.0	42.1	
103 1,3-Dichloropropane	76	10.080	10.080	0.000	91	347244	50.0	53.3	
107 2-Hexanone	43	10.147	10.147	0.000	97	724211	100.0	106.4	
120 Chlorodibromomethane	129	10.299	10.299	0.000	90	216677	50.0	44.9	
124 Ethylene Dibromide	107	10.408	10.408	0.000	98	216903	50.0	48.7	
* 127 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	86	626760	50.0	50.0	
129 1-Chlorohexane	91	10.883	10.883	0.000	95	257397	50.0	42.5	
131 Chlorobenzene	112	10.889	10.889	0.000	96	570468	50.0	47.0	
133 1,1,1,2-Tetrachloroethane	131	10.974	10.974	0.000	97	227055	50.0	45.5	
134 Ethylbenzene	91	10.986	10.986	0.000	98	1048389	50.0	47.8	
136 m-Xylene & p-Xylene	106	11.102	11.102	0.000	100	807956	100.0	93.1	
139 o-Xylene	106	11.443	11.443	0.000	96	435689	50.0	47.4	
140 Styrene	104	11.455	11.455	0.000	94	643365	50.0	45.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
141 Bromoform	173	11.607	11.607	0.000	96	157792	50.0	41.1	
142 Isopropylbenzene	105	11.747	11.747	0.000	96	1020989	50.0	47.7	
$ 146 4-Bromofluorobenzene (Surr)	95	11.893	11.893	0.000	88	306178	50.0	49.0	
147 1,1,2,2-Tetrachloroethane	83	11.996	11.996	0.000	93	422734	50.0	55.6	
148 Bromobenzene	156	12.008	12.008	0.000	94	236929	50.0	47.3	
149 trans-1,4-Dichloro-2-butene	53	12.021	12.021	0.000	88	261802	125.0	131.7	
150 1,2,3-Trichloropropane	110	12.039	12.039	0.000	81	110347	50.0	50.8	
151 N-Propylbenzene	91	12.081	12.081	0.000	99	1288949	50.0	53.4	
152 2-Chlorotoluene	126	12.154	12.154	0.000	97	259677	50.0	51.2	
153 1,3,5-Trimethylbenzene	105	12.227	12.227	0.000	93	982100	50.0	54.3	
154 4-Chlorotoluene	126	12.252	12.252	0.000	97	243729	50.0	49.8	
156 tert-Butylbenzene	134	12.465	12.465	0.000	94	175286	50.0	53.4	
158 1,2,4-Trimethylbenzene	105	12.507	12.507	0.000	98	998172	50.0	52.9	
159 sec-Butylbenzene	105	12.635	12.635	0.000	94	1258506	50.0	55.4	
160 1,3-Dichlorobenzene	146	12.726	12.726	0.000	98	474990	50.0	47.1	
161 4-Isopropyltoluene	119	12.744	12.744	0.000	97	1064117	50.0	52.9	
* 163 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	95	339013	50.0	50.0	
165 1,4-Dichlorobenzene	146	12.799	12.799	0.000	94	488446	50.0	47.8	
166 1,2,3-Trimethylbenzene	105	12.817	12.817	0.000	98	1070079	50.0	53.3	
167 Benzyl chloride	91	12.878	12.878	0.000	98	793207	50.0	50.8	
168 1,3-Diethylbenzene	119	12.945	12.945	0.000	95	608582	50.0	51.4	
169 p-Diethylbenzene	119	13.018	13.018	0.000	93	655387	50.0	51.4	
170 n-Butylbenzene	92	13.036	13.036	0.000	97	548337	50.0	54.7	
171 1,2-Dichlorobenzene	146	13.061	13.061	0.000	98	518812	50.0	48.8	
172 o-diethylbenzene	119	13.091	13.091	0.000	95	550519	50.0	54.2	
173 1,2-Dibromo-3-Chloropropane	75	13.602	13.602	0.000	86	123809	50.0	54.0	
175 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	97	415897	50.0	50.0	
176 1,2,4-Trichlorobenzene	180	14.162	14.162	0.000	94	413145	50.0	51.7	
178 Hexachlorobutadiene	225	14.247	14.247	0.000	97	150125	50.0	49.3	
179 Naphthalene	128	14.338	14.338	0.000	97	1621534	50.0	57.0	
180 1,2,3-Trichlorobenzene	180	14.484	14.484	0.000	96	410705	50.0	53.3	
181 2-Methylnaphthalene	142	15.074	15.074	0.000	92	775966	50.0	66.6	

QC Flag Legend

Processing Flags

Reagents:

MSV_CCV_VOC#3_00245	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00235	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#1_00243	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_01054	Amount Added:	2.50	Units: uL	
MSV_CCV_ETOH_00009	Amount Added:	10.00	Units: uL	
MSV_HP04_ISSS_00005	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Jul-2025 12:24:10 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X11.D

Injection Date: 07-Jul-2025 11:43:30 Instrument ID: 23297 Operator ID: clm27445

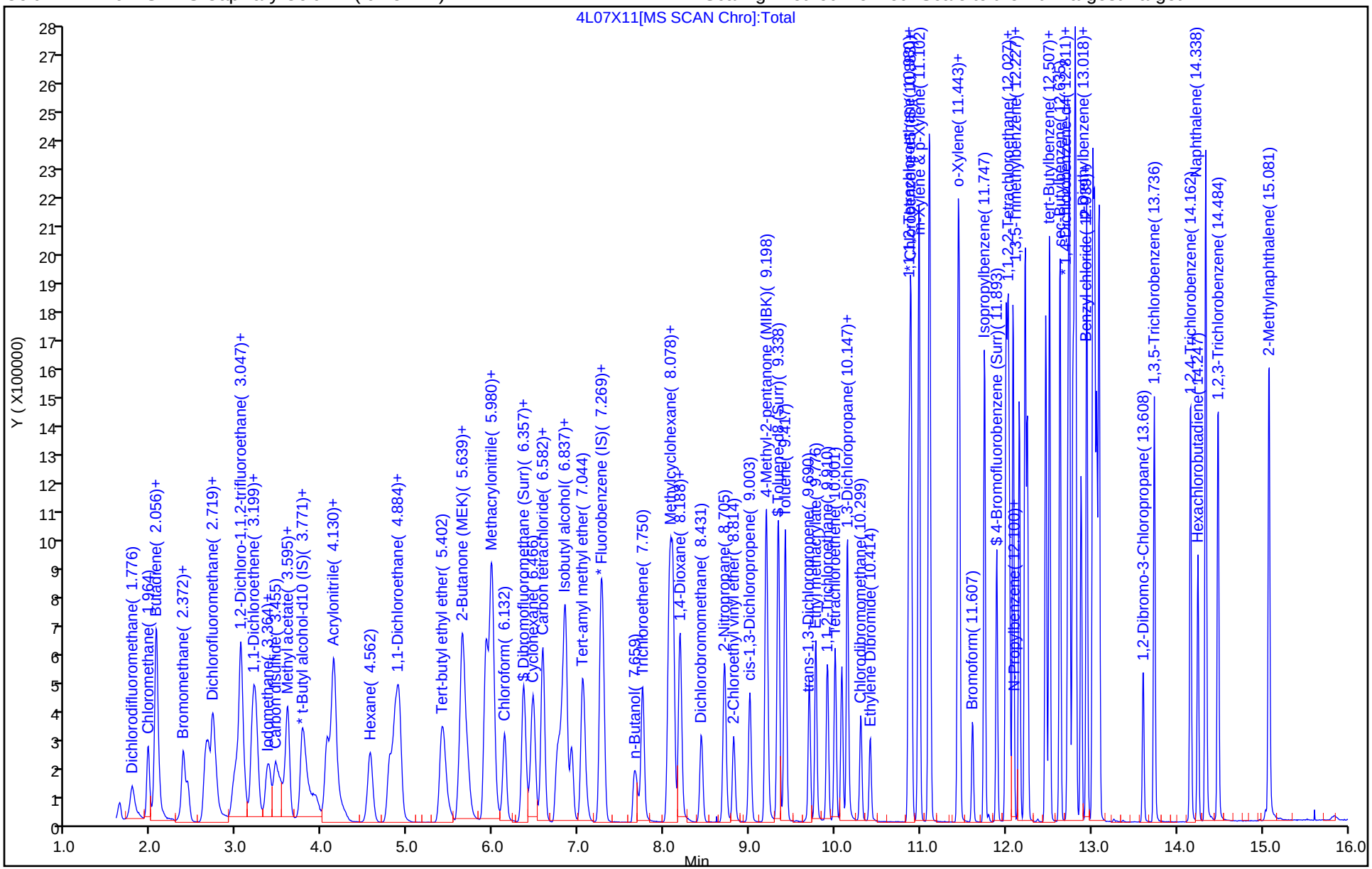
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17T02.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 17-Mar-2025 14:04:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0141042-001
Misc. Info.: BFB
Operator ID: mec29284 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2025 08:58:53 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1656

First Level Reviewer: K4WN Date: 17-Mar-2025 14:16:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 33 BFB	95	4.522	4.522	0.000	0	326082	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

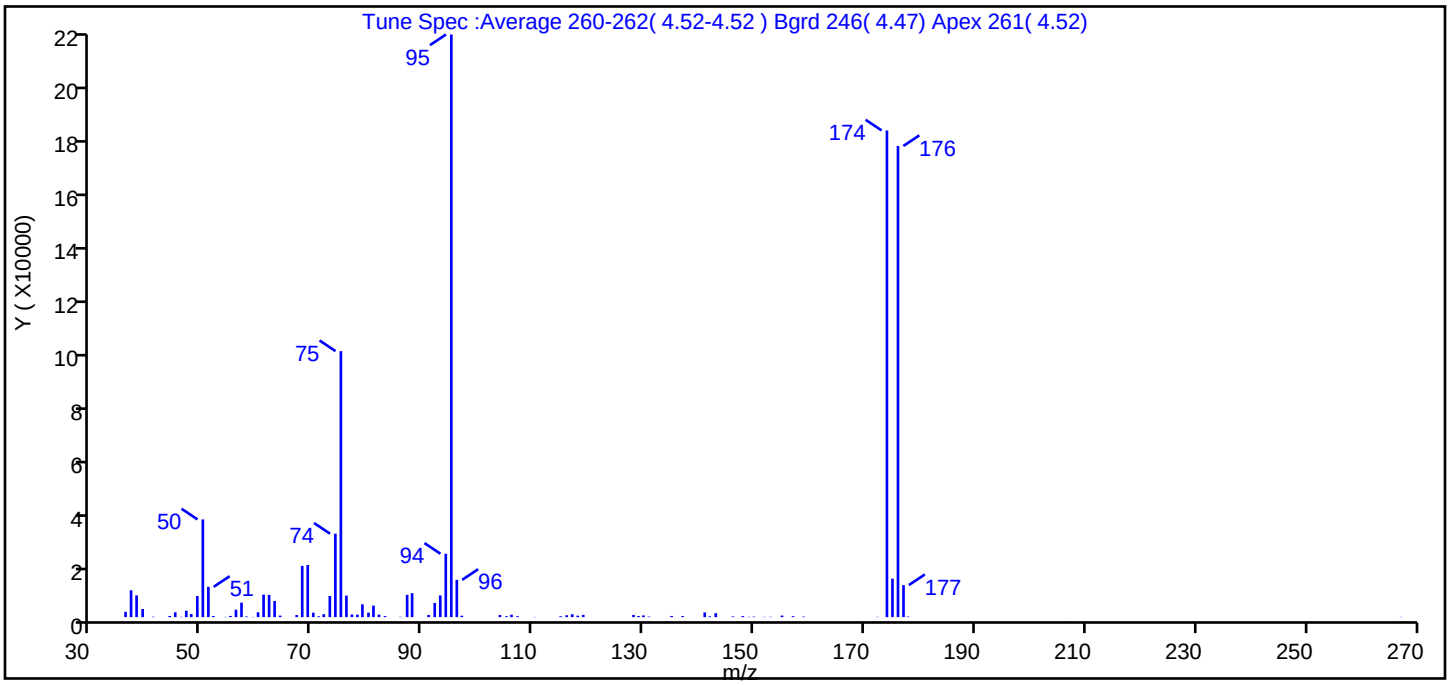
MSV_V_BFB_00018 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17T02.D
Injection Date: 17-Mar-2025 14:04:30 Instrument ID: 23297
Lims ID: bfb
Client ID:
Operator ID: mec29284 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 33 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.8
75	30 to 60% of m/z 95	45.7
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	83.5
175	5 to 9% of m/z 174	6.6 (7.9)
176	Greater than 95% but less than 101% of m/z 174	80.9 (96.8)
177	5 to 9% of m/z 176	5.5 (6.8)

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17T02.D\MSVoa_23297.rslt\spectra.d
Injection Date: 17-Mar-2025 14:04:30
Spectrum: Tune Spec :Average 260-262(4.52-4.52) Bgrd 246(4.47) Apex 261(4.52)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2012	62.00	8412	88.00	9058	135.00	447
37.00	10130	63.00	6086	91.00	835	137.00	407
38.00	8217	64.00	589	92.00	5370	141.00	1768
39.00	3059	67.00	811	93.00	8187	142.00	299
41.00	158	68.00	19352	94.00	23928	143.00	1508
44.00	449	69.00	19672	95.00	219968	146.00	271
45.00	1827	70.00	1686	96.00	14079	148.00	404
46.00	127	71.00	320	97.00	538	149.00	116
47.00	2426	72.00	1116	104.00	817	150.00	190
48.00	1196	73.00	7985	105.00	357	152.00	109
49.00	7967	74.00	31512	106.00	941	153.00	123
50.00	36896	75.00	100424	107.00	349	155.00	600
51.00	11443	76.00	8140	110.00	88	157.00	365
52.00	425	77.00	1000	115.00	333	159.00	205
54.00	92	78.00	953	116.00	719	172.00	105
55.00	457	79.00	4836	117.00	1094	174.00	183744
56.00	2814	80.00	1682	118.00	556	175.00	14535
57.00	5469	81.00	4362	119.00	865	176.00	177856
58.00	265	82.00	971	128.00	836	177.00	12096
59.00	88	83.00	410	129.00	425	178.00	204
60.00	1843	86.00	132	130.00	665	207.00	23
61.00	8500	87.00	8420	131.00	206	267.00	93

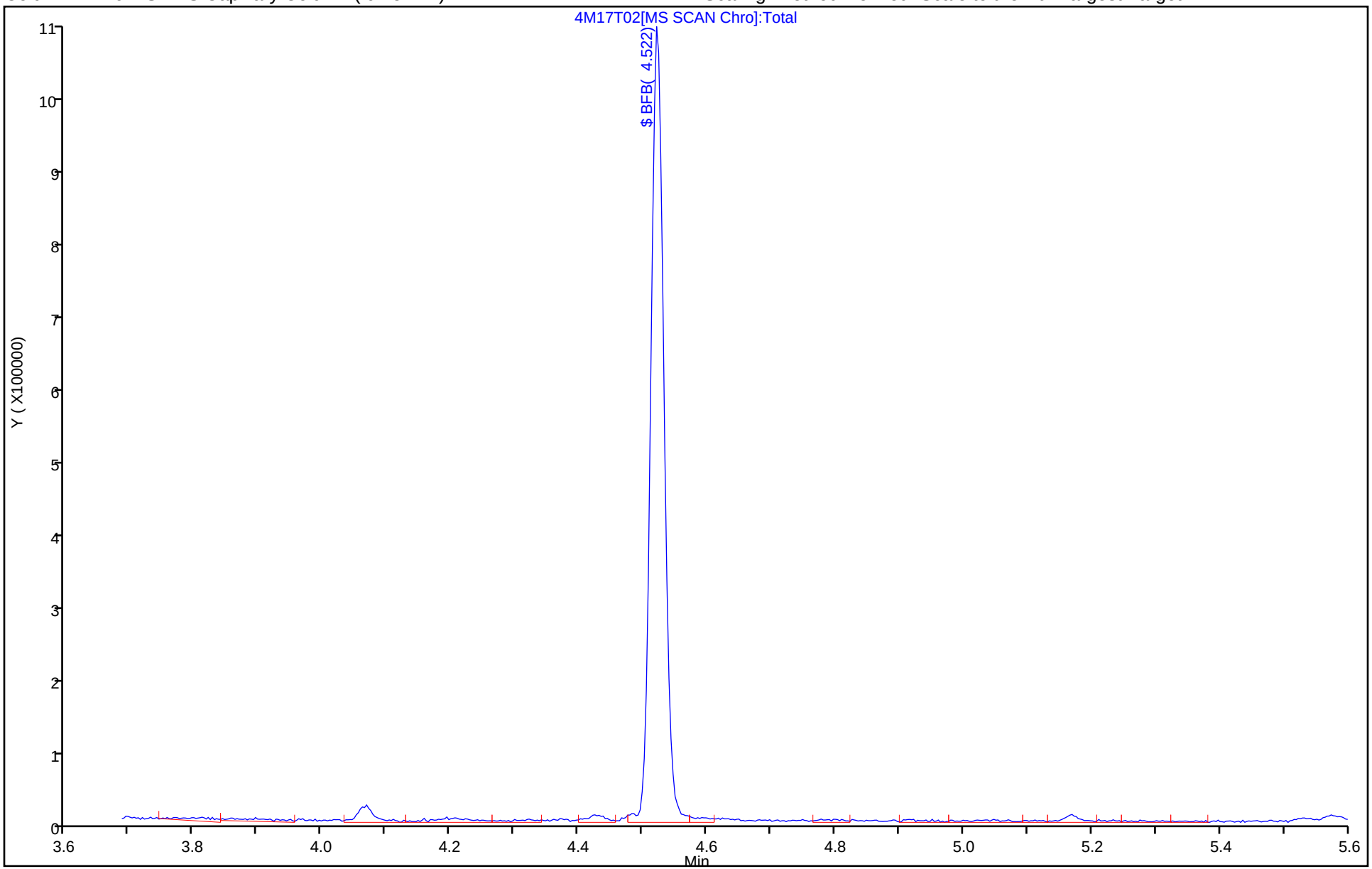
Report Date: 18-Mar-2025 08:58:53 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17T02.D

Injection Date:	17-Mar-2025 14:04:30	Instrument ID:	23297	Operator ID:	mec29284
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07T05.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 07-Jul-2025 10:46:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0152552-001
Misc. Info.: BFB
Operator ID: clm27445 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 07-Jul-2025 12:24:13 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: TQ4J Date: 07-Jul-2025 11:05:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 33 BFB	95	4.525	4.525	0.000	0	276537	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

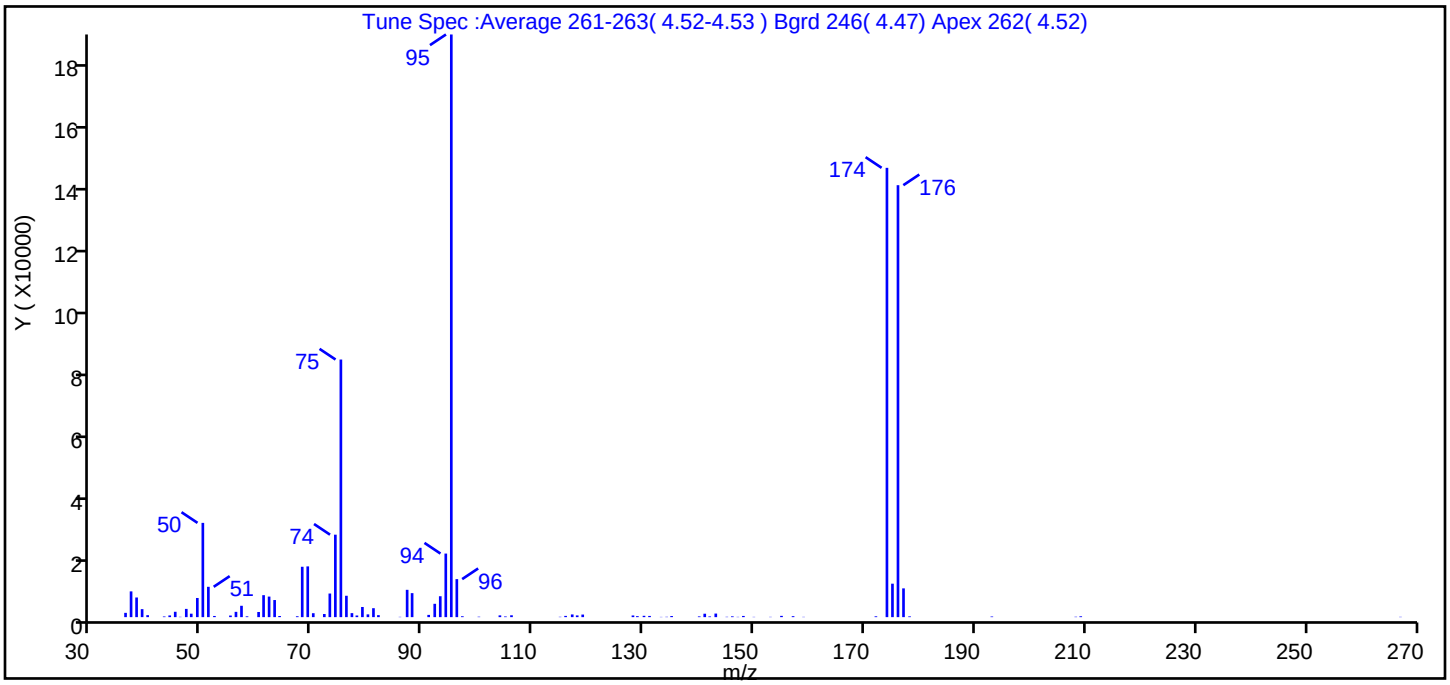
MSV_V_BFB_00019 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07T05.D				
Injection Date:	07-Jul-2025 10:46:30	Instrument ID:	23297		
Lims ID:	BFB				
Client ID:					
Operator ID:	clm27445	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Tune Method:	BFB Method 8260				

$ 33 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.2
75	30 to 60% of m/z 95	44.2
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	77.1
175	5 to 9% of m/z 174	5.7 (7.4)
176	Greater than 95% but less than 101% of m/z 174	74.1 (96.1)
177	5 to 9% of m/z 176	4.9 (6.7)

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07T05.D\MSVoa_23297.rslt\spectra.d
Injection Date: 07-Jul-2025 10:46:30
Spectrum: Tune Spec :Average 261-263(4.52-4.53) Bgrd 246(4.47) Apex 262(4.52)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1362	63.00	5425	93.00	6635	141.00	1086
37.00	8172	64.00	361	94.00	20168	142.00	219
38.00	6233	67.00	279	95.00	184832	143.00	1135
39.00	2539	68.00	15980	96.00	12061	145.00	111
40.00	627	69.00	16098	97.00	279	146.00	251
43.00	212	70.00	1248	100.00	139	147.00	90
44.00	537	72.00	993	104.00	559	148.00	379
45.00	1702	73.00	7492	105.00	217	150.00	84
46.00	102	74.00	26160	106.00	590	153.00	91
47.00	2615	75.00	81720	115.00	110	155.00	406
48.00	1096	76.00	6783	116.00	397	157.00	305
49.00	6077	77.00	1273	117.00	856	159.00	88
50.00	29904	78.00	521	118.00	547	172.00	265
51.00	9623	79.00	3220	119.00	822	174.00	142528
52.00	372	80.00	879	128.00	530	175.00	10615
55.00	507	81.00	2838	129.00	313	176.00	137024
56.00	1679	82.00	634	130.00	423	177.00	9125
57.00	3605	86.00	91	131.00	385	178.00	239
58.00	258	87.00	8666	133.00	76	193.00	201
60.00	1636	88.00	7614	134.00	110	208.00	127
61.00	6971	91.00	715	135.00	349	209.00	276
62.00	6523	92.00	4231	140.00	237	267.00	92

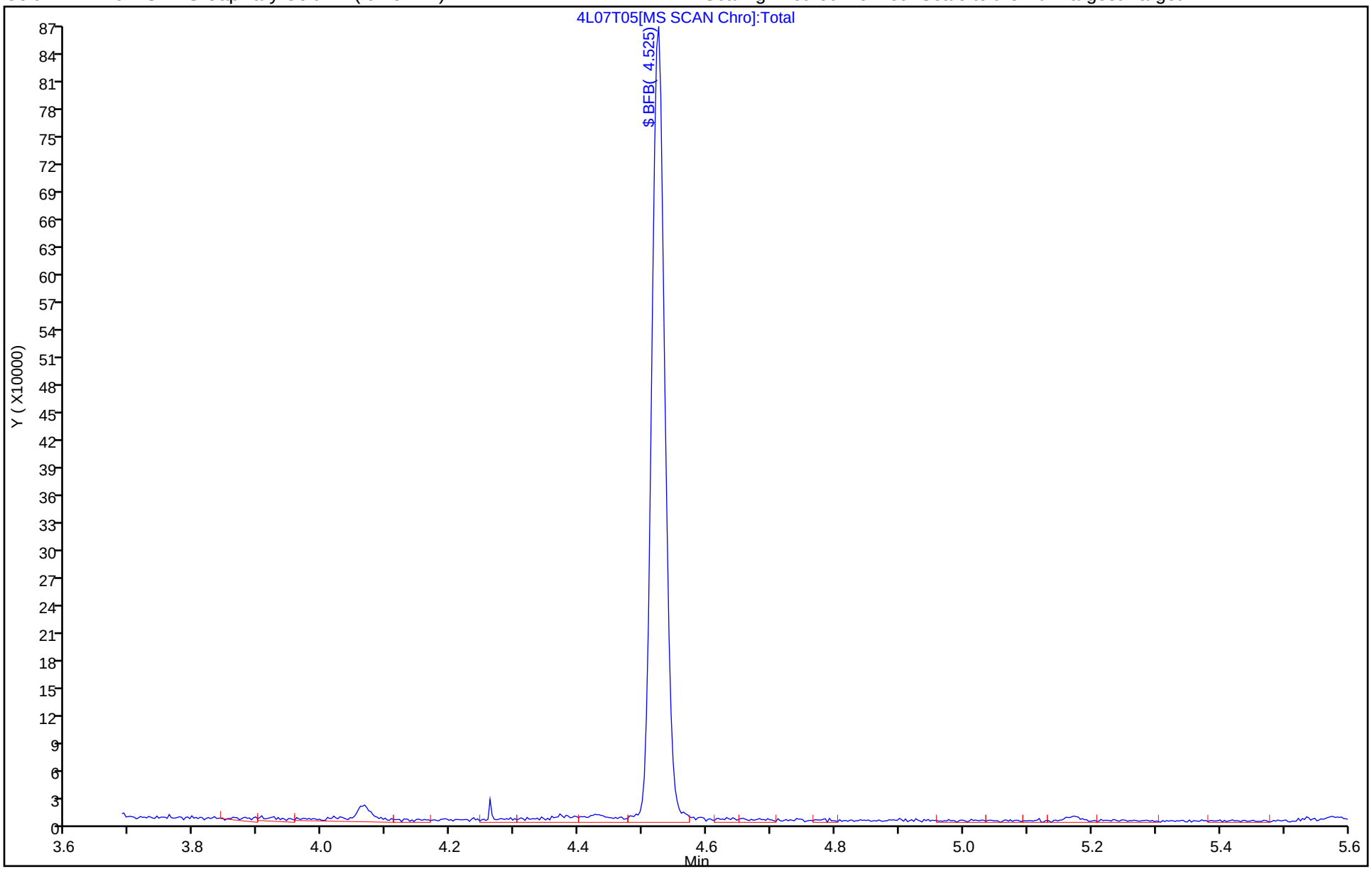
Report Date: 07-Jul-2025 12:24:14 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07T05.D

Injection Date:	07-Jul-2025 10:46:30	Instrument ID:	23297	Operator ID:	clm27445
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-667432/7

Matrix: Water
Lab File ID: 4L07X15.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 13:13

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-667432/7

Matrix: Water
Lab File ID: 4L07X15.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 13:13

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X15.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 07-Jul-2025 13:13:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0152552-007
Operator ID: clm27445 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 07-Jul-2025 14:06:14 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: TQ4J Date: 07-Jul-2025 14:06:14

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.739					ND	
2	Dichlorodifluoromethane	85		1.776					ND	
3	Chlorodifluoromethane	51		1.782					ND	
4	Chloromethane	50		1.964					ND	7
5	Butadiene	39		2.056					ND	7
6	Vinyl chloride	62		2.056					ND	
7	2-Chloro-1,1,1-Trifluoroethane	118		2.116					ND	
8	Bromomethane	94		2.372					ND	7
9	Chloroethane	64		2.427					ND	
10	Dichlorofluoromethane	67		2.658					ND	
11	Trichlorofluoromethane	101		2.719					ND	
12	Pentane	43		2.725					ND	
13	Ethanol	45		2.828					ND	
14	Ethyl ether	59		2.895					ND	
15	1,2-Dichloro-1,1,2-trifluoroetha	67		2.986					ND	
16	Acrolein	56		3.047					ND	
17	1,1-Dichloroethene	96		3.187					ND	
18	Acetone	58		3.199					ND	
19	1,1,2-Trichloro-1,2,2-trifluoroe	101		3.230					ND	
21	Iodomethane	142		3.370					ND	
20	Isopropyl alcohol	45		3.376					ND	
22	Carbon disulfide	76		3.455					ND	
23	Acetonitrile	41		3.528					ND	
24	Methyl acetate	43		3.570					ND	
25	3-Chloro-1-propene	41		3.595					ND	
26	Methylene Chloride	84		3.765					ND	
* 27	t-Butyl alcohol-d10 (IS)	65	3.796	3.796	0.000	41	418810	250.0	250.0	
29	2-Methyl-2-propanol	59		3.917					ND	
30	Acrylonitrile	53		4.057					ND	
32	Methyl tert-butyl ether	73		4.130					ND	
31	trans-1,2-Dichloroethene	96		4.136					ND	
34	Hexane	57		4.562					ND	

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	36 Vinyl acetate	43		4.781					ND	
	35 1,1-Dichloroethane	63		4.787					ND	
	37 Isopropyl ether	45		4.854					ND	
	38 2-Chloro-1,3-butadiene	53		4.903					ND	
	39 Tert-butyl ethyl ether	59		5.408					ND	
	40 2-Butanone (MEK)	43		5.615					ND	
	41 cis-1,2-Dichloroethene	96		5.633					ND	
	42 2,2-Dichloropropane	77		5.651					ND	
	43 Ethyl acetate	43		5.682					ND	
	44 Propionitrile	54		5.694					ND	
	45 Methyl acrylate	55		5.742					ND	
	47 Methacrylonitrile	67		5.913					ND	
	48 Chlorobromomethane	128		5.973					ND	
	49 Tetrahydrofuran	71		5.986					ND	
	50 Chloroform	83		6.132					ND	
S	51 1,2-Dichloroethene, Total	100		6.155					ND	7
$	52 Dibromofluoromethane (Surr)	113	6.351	6.351	0.000	93	218026	50.0	46.6	
	53 1,1,1-Trichloroethane	97		6.363					ND	
	54 Cyclohexane	56		6.472					ND	
	55 Carbon tetrachloride	117		6.576					ND	
	56 1,1-Dichloropropene	75		6.582					ND	
	57 Isobutyl alcohol	41		6.764					ND	
$	58 1,2-Dichloroethane-d4 (Surr)	102	6.807	6.807	0.000	38	53924	50.0	47.9	
	59 Benzene	78		6.843					ND	7
	60 1,2-Dichloroethane	62		6.916					ND	
	61 Isopropyl acetate	43		6.941					ND	
	62 Tert-amyl methyl ether	73		7.044					ND	
*	63 Fluorobenzene (IS)	96	7.251	7.263	-0.012	99	900815	50.0	50.0	
	64 n-Heptane	43		7.287					ND	
	65 n-Butanol	56		7.659					ND	
	66 Trichloroethene	95		7.750					ND	
	67 Ethyl acrylate	55		7.872					ND	
	68 t-Amyl alcohol	73		7.884					ND	
	69 Methylcyclohexane	83		8.060					ND	
	70 1,2-Dichloropropane	63		8.078					ND	
	72 2-ethoxy-2-methyl butane	87		8.103					ND	
	74 1,4-Dioxane	88		8.176					ND	
	73 Methyl methacrylate	69		8.182					ND	
	75 Dibromomethane	93		8.188					ND	
	76 n-Propyl acetate	61		8.261					ND	
	77 Dichlorobromomethane	83		8.431					ND	
	78 2-Nitropropane	41		8.705					ND	
	79 2-Chloroethyl vinyl ether	63		8.814					ND	
	80 cis-1,3-Dichloropropene	75		9.003					ND	
	81 4-Methyl-2-pentanone (MIBK)	43		9.198					ND	
$	82 Toluene-d8 (Surr)	98	9.332	9.338	-0.006	93	838793	50.0	54.1	
	87 Toluene	92		9.417					ND	
	88 trans-1,3-Dichloropropene	75		9.697					ND	
	90 Ethyl methacrylate	69		9.776					ND	
	94 1,1,2-Trichloroethane	97		9.910					ND	
	99 Tetrachloroethene	166		10.001					ND	
S	101 1,3-Dichloropropene, Total	100		10.060					ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
102 3,4-Dichloro-1-butene	75		10.074				ND		
103 1,3-Dichloropropane	76		10.080				ND		
107 2-Hexanone	43		10.147				ND		
116 n-Butyl acetate	43		10.275				ND		
120 Chlorodibromomethane	129		10.299				ND		
124 Ethylene Dibromide	107		10.408				ND		
* 127 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	86	568686	50.0	50.0	
129 1-Chlorohexane	91		10.883				ND		U
131 Chlorobenzene	112		10.889				ND		
133 1,1,1,2-Tetrachloroethane	131		10.974				ND		
134 Ethylbenzene	91		10.986				ND		
136 m-Xylene & p-Xylene	106		11.102				ND		
S 137 Xylenes, Total	106		11.245				ND		7
138 n-Butyl acrylate	55		11.400				ND		
139 o-Xylene	106		11.443				ND		
140 Styrene	104		11.455				ND		
141 Bromoform	173		11.607				ND		
142 Isopropylbenzene	105		11.747				ND		
144 cis-1,4-Dichloro-2-butene	88		11.796				ND		
145 Cyclohexanone	55		11.820				ND		7
$ 146 4-Bromofluorobenzene (Surr)	95	11.893	11.893	0.000	88	279784	50.0	49.4	
147 1,1,2,2-Tetrachloroethane	83		11.996				ND		
148 Bromobenzene	156		12.008				ND		
149 trans-1,4-Dichloro-2-butene	53		12.021				ND		
150 1,2,3-Trichloropropane	110		12.039				ND		
151 N-Propylbenzene	91		12.081				ND		
152 2-Chlorotoluene	126		12.154				ND		
153 1,3,5-Trimethylbenzene	105		12.227				ND		
154 4-Chlorotoluene	126		12.252				ND		
155 2,3,4-Trichlorobutene	109		12.270				ND		
156 tert-Butylbenzene	134		12.465				ND		
157 Pentachloroethane	167		12.495				ND		
158 1,2,4-Trimethylbenzene	105		12.507				ND		
159 sec-Butylbenzene	105		12.635				ND		7
160 1,3-Dichlorobenzene	146		12.726				ND		
161 4-Isopropyltoluene	119		12.744				ND		7
* 163 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	96	314737	50.0	50.0	
165 1,4-Dichlorobenzene	146		12.799				ND		
166 1,2,3-Trimethylbenzene	105		12.817				ND		
167 Benzyl chloride	91		12.878				ND		7
168 1,3-Diethylbenzene	119		12.945				ND		U
169 p-Diethylbenzene	119		13.018				ND		7
170 n-Butylbenzene	92		13.036				ND		7
171 1,2-Dichlorobenzene	146		13.061				ND		
172 o-diethylbenzene	119		13.091				ND		7
173 1,2-Dibromo-3-Chloropropane	75		13.602				ND		
174 Hexachloroethane	201		13.615				ND		
175 1,3,5-Trichlorobenzene	180		13.736				ND		U
176 1,2,4-Trichlorobenzene	180		14.162				ND		U
177 2-Ethylhexyl acrylate	55		14.229				ND		
178 Hexachlorobutadiene	225		14.247				ND		
179 Naphthalene	128		14.338				ND		7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
180 1,2,3-Trichlorobenzene	180		14.484					ND	U
181 2-Methylnaphthalene	142		15.074					ND	7
182 C4-C10	1		0.000					ND	
191 4-Ethyltoluene	1		0.000					ND	
192 Dimethylformamide TIC	1		0.000					ND	
193 3-Pentanone TIC	1		0.000					ND	
194 Cyclopentane TIC	1		0.000					ND	
183 1-Methylnaphthalene	142		0.000					ND	
184 C4-C12	1		0.000					ND	
185 3-Methylhexane TIC	1		0.000					ND	
186 1,4-Divinylbenzene	1		0.000					ND	
187 Diethoxymethane	1		0.000					ND	
188 3-Methyl-1-butene	1		0.000					ND	
189 2-Butoxyethyl acetate	1		0.000					ND	
190 sec-Butyl Alcohol TIC	1		0.000					ND	
195 n-Decane	57		0.000					ND	
204 2-Methylhexane TIC	1		0.000					ND	
205 1-Methylnaphthalene (TIC)	1		0.000					ND	
206 3-Methylpentane TIC	1		0.000					ND	
207 Gasoline (Unleaded)	1		0.000					ND	
$ 196 trans-1,2,3-Trichlorobutene-2 TI	1		0.000					ND	
197 1,1,1,2-Tetrafluoroethane TIC	1		0.000					ND	
S 198 divinyl benzene	1		0.000					ND	7
199 2,2-Dimethylbutane TIC	1		0.000					ND	
200 Methylcyclopentane TIC	1		0.000					ND	
201 Decamethylcyclopentasiloxane TIC	1		0.000					ND	
202 Dimethyl Sulfide TIC	1		0.000					ND	
203 2,2-Dimethylpropane TIC	1		0.000					ND	
208 2,3-Dimethylbutane TIC	1		0.000					ND	
209 Isobutyl acetate	43		0.000					ND	
210 Butane	1		0.000					ND	
219 Propene oxide	1		0.000					ND	
S 220 Total Diethylbenzene	1		0.000					ND	7
221 C6-C10	1		0.000					ND	
222 Dodecane	57		0.000					ND	
211 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
212 Methylal	1		0.000					ND	
213 C6-C12	1		0.000					ND	
214 tert-Butyl Formate	1		0.000					ND	
215 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
216 1-Chlorobutane	1		0.000					ND	
217 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
218 3-chloro-1-Butene	1		0.000					ND	
223 1-Bromo-2-chloroethane	1		0.000					ND	
232 Ethyl bromide	1		0.000					ND	
233 sec-Butyl Alcohol	45		0.000					ND	
234 n-Nonane	1		0.000					ND	
235 n-Octane	1		0.000					ND	
224 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
225 Propanol	1		0.000					ND	
226 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
227 C5-C12	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 228 Total BTEX	1		0.000					ND	
229 1,3-Divinylbenzene	1		0.000					ND	
230 Undecane	1		0.000					ND	
231 Chloroacetonitrile	1		0.000					ND	
236 4-Hydroxy-4-methyl-2-pentanone T	1		0.000					ND	
237 C7-C12	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP04_ISSS_00005 Amount Added: 1.00 Units: uL Run Reagent

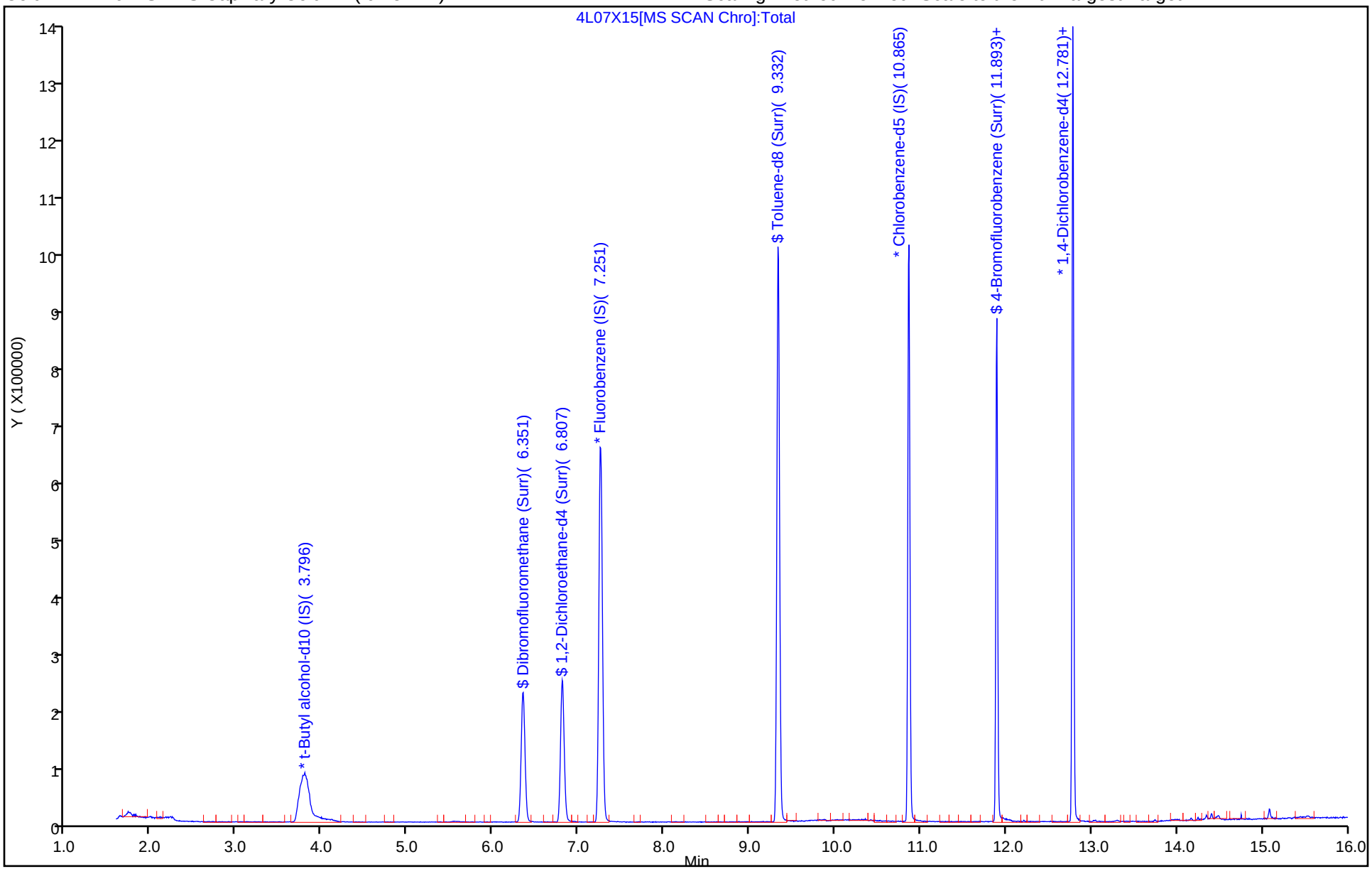
Report Date: 07-Jul-2025 14:06:32 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X15.D

Injection Date:	07-Jul-2025 13:13:30	Instrument ID:	23297	Operator ID:	clm27445
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X15.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 07-Jul-2025 13:13:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0152552-007
Operator ID: clm27445 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 07-Jul-2025 14:06:14 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: TQ4J Date: 07-Jul-2025 14:06:14

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	46.6	93.17
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	47.9	95.81
$ 82 Toluene-d8 (Surr)	50.0	54.1	108.28
$ 146 4-Bromofluorobenzene (Surr)	50.0	49.4	98.77

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-667432/4

Matrix: Water
Lab File ID: 4L07X12.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 12:05

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	17.8		1.0	0.30
71-55-6	1,1,1-Trichloroethane	17.1		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	21.9		1.0	0.30
79-00-5	1,1,2-Trichloroethane	20.4		1.0	0.30
75-34-3	1,1-Dichloroethane	21.3		1.0	0.30
75-35-4	1,1-Dichloroethene	19.5		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	19.6		1.0	0.20
107-06-2	1,2-Dichloroethane	18.2		1.0	0.30
78-87-5	1,2-Dichloropropane	20.2		1.0	0.30
78-93-3	2-Butanone (MEK)	241		10	1.0
591-78-6	2-Hexanone	253		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	228		10	0.50
67-64-1	Acetone	268		20	0.70
71-43-2	Benzene	19.5		1.0	0.30
74-97-5	Bromochloromethane	17.1		5.0	0.20
75-27-4	Bromodichloromethane	17.6		1.0	0.20
75-25-2	Bromoform	15.5		4.0	1.0
74-83-9	Bromomethane	17.4		1.0	0.30
75-15-0	Carbon disulfide	17.9		5.0	0.30
56-23-5	Carbon tetrachloride	16.0		1.0	0.30
108-90-7	Chlorobenzene	19.6		1.0	0.30
75-00-3	Chloroethane	21.3		1.0	0.30
67-66-3	Chloroform	18.3		1.0	0.30
74-87-3	Chloromethane	19.8		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	18.6		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.6		1.0	0.20
124-48-1	Dibromochloromethane	17.3		1.0	0.20
100-41-4	Ethylbenzene	19.5		1.0	0.40
1634-04-4	Methyl tert-butyl ether	20.0		1.0	0.20
75-09-2	Methylene Chloride	20.1		1.0	0.30
100-42-5	Styrene	18.6		5.0	0.30
127-18-4	Tetrachloroethene	17.3		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-667432/4

Matrix: Water
Lab File ID: 4L07X12.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 12:05

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	20.2		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	19.4		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	20.3		1.0	0.20
79-01-6	Trichloroethene	18.2		1.0	0.30
75-01-4	Vinyl chloride	19.7		1.0	0.30
1330-20-7	Xylenes, Total	56.1		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X12.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 07-Jul-2025 12:05:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0152552-004
Operator ID: clm27445 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 07-Jul-2025 10:27:52 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: TQ4J Date: 07-Jul-2025 12:37:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.776	1.776	0.000	99	136046	20.0	17.6	
4 Chloromethane	50	1.958	1.964	-0.006	99	179653	20.0	19.8	
5 Butadiene	39	2.056	2.056	0.000	93	192573	20.0	19.0	
6 Vinyl chloride	62	2.062	2.056	0.006	98	162827	20.0	19.7	
8 Bromomethane	94	2.372	2.372	0.000	90	111405	20.0	17.4	
9 Chloroethane	64	2.421	2.427	-0.006	100	93997	20.0	21.3	
10 Dichlorofluoromethane	67	2.658	2.658	0.000	97	244981	20.0	18.8	
11 Trichlorofluoromethane	101	2.719	2.719	0.000	83	152643	20.0	16.2	
12 Pentane	43	2.713	2.725	-0.012	97	166255	20.0	17.5	
13 Ethanol	45	2.865	2.828	0.037	94	121743	1000.1	831.7	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.993	2.986	0.007	95	123975	20.0	18.9	
16 Acrolein	56	3.047	3.047	0.000	100	315057	146.3	156.3	
17 1,1-Dichloroethene	96	3.187	3.187	0.000	97	94838	20.0	19.5	
18 Acetone	58	3.193	3.199	-0.006	100	268358	250.0	267.8	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.230	3.230	0.000	95	86348	20.0	15.1	
21 Iodomethane	142	3.370	3.370	0.000	97	161226	20.0	15.4	
20 Isopropyl alcohol	45	3.352	3.376	-0.024	96	218613	150.0	135.5	
22 Carbon disulfide	76	3.461	3.455	0.006	100	349356	20.0	17.9	
24 Methyl acetate	43	3.571	3.570	0.001	98	149691	20.0	21.7	
25 3-Chloro-1-propene	41	3.601	3.595	0.006	93	159258	20.0	19.8	
26 Methylene Chloride	84	3.777	3.765	0.012	94	115550	20.0	20.1	
* 27 t-Butyl alcohol-d10 (IS)	65	3.820	3.796	0.024	63	467556	250.0	250.0	
29 2-Methyl-2-propanol	59	3.930	3.917	0.013	99	365858	200.0	180.4	
30 Acrylonitrile	53	4.057	4.057	0.000	98	370346	100.0	100.9	
32 Methyl tert-butyl ether	73	4.136	4.130	0.006	91	326841	20.0	20.0	
31 trans-1,2-Dichloroethene	96	4.130	4.136	-0.006	98	94180	20.0	19.4	
34 Hexane	57	4.556	4.562	-0.006	92	116331	20.0	15.7	
35 1,1-Dichloroethane	63	4.781	4.787	-0.006	96	178282	20.0	21.3	
37 Isopropyl ether	45	4.860	4.854	0.006	95	334796	20.0	20.3	
38 2-Chloro-1,3-butadiene	53	4.903	4.903	0.000	89	134753	20.0	17.7	
39 Tert-butyl ethyl ether	59	5.408	5.408	0.000	98	308940	20.0	19.7	
40 2-Butanone (MEK)	43	5.615	5.615	0.001	100	1269440	250.0	240.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 cis-1,2-Dichloroethene	96	5.633	5.633	0.000	83	105553	20.0	18.6	
42 2,2-Dichloropropane	77	5.657	5.651	0.006	88	143307	20.0	16.8	
44 Propionitrile	54	5.694	5.694	0.000	99	253058	150.0	152.3	
47 Methacrylonitrile	67	5.919	5.913	0.006	92	517851	150.0	144.4	
48 Chlorobromomethane	128	5.974	5.973	0.001	93	51794	20.0	17.1	
49 Tetrahydrofuran	71	5.992	5.986	0.006	91	138537	100.0	92.5	
50 Chloroform	83	6.132	6.132	0.000	92	162038	20.0	18.3	
$ 52 Dibromofluoromethane (Surr)	113	6.351	6.351	0.000	93	238156	50.0	46.6	
53 1,1,1-Trichloroethane	97	6.357	6.363	-0.006	59	142374	20.0	17.1	
54 Cyclohexane	56	6.466	6.472	-0.006	92	176546	20.0	17.5	
55 Carbon tetrachloride	117	6.576	6.576	0.000	77	116152	20.0	16.0	
56 1,1-Dichloropropene	75	6.582	6.582	0.000	96	121989	20.0	18.1	
57 Isobutyl alcohol	41	6.771	6.764	0.007	94	279372	500.0	445.9	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.813	6.807	0.006	71	60324	50.0	49.0	
59 Benzene	78	6.844	6.843	0.001	97	396908	20.0	19.5	
60 1,2-Dichloroethane	62	6.917	6.916	0.001	97	121642	20.0	18.2	
62 Tert-amyl methyl ether	73	7.050	7.044	0.006	99	301960	20.0	19.8	
* 63 Fluorobenzene (IS)	96	7.257	7.263	-0.006	99	984703	50.0	50.0	
64 n-Heptane	43	7.288	7.287	0.001	94	127063	20.0	17.4	
65 n-Butanol	56	7.653	7.659	-0.006	91	428038	1000.0	941.3	
66 Trichloroethene	95	7.750	7.750	0.000	99	93463	20.0	18.2	
69 Methylcyclohexane	83	8.060	8.060	0.000	91	161390	20.0	16.6	
70 1,2-Dichloropropane	63	8.079	8.078	0.001	97	108135	20.0	20.2	
72 2-ethoxy-2-methyl butane	87	8.109	8.103	0.006	93	137247	20.0	18.7	
74 1,4-Dioxane	88	8.176	8.176	0.000	45	53489	500.0	419.7	
73 Methyl methacrylate	69	8.182	8.182	0.000	94	85479	20.0	16.6	
75 Dibromomethane	93	8.194	8.188	0.006	70	65250	20.0	18.2	
77 Dichlorobromomethane	83	8.437	8.431	0.006	99	116523	20.0	17.6	
78 2-Nitropropane	41	8.705	8.705	0.000	97	38979	20.0	15.3	
79 2-Chloroethyl vinyl ether	63	8.821	8.814	0.007	90	71997	20.0	19.5	
80 cis-1,3-Dichloropropene	75	9.003	9.003	0.000	96	143614	20.0	18.6	
81 4-Methyl-2-pentanone (MIBK)	43	9.198	9.198	0.000	97	2490597	250.0	227.5	
$ 82 Toluene-d8 (Surr)	98	9.338	9.338	0.000	93	961504	50.0	54.2	
87 Toluene	92	9.417	9.417	0.000	98	229727	20.0	20.2	
88 trans-1,3-Dichloropropene	75	9.697	9.697	0.000	92	129436	20.0	20.3	
90 Ethyl methacrylate	69	9.776	9.776	0.000	91	148931	20.0	18.0	
94 1,1,2-Trichloroethane	97	9.910	9.910	0.000	89	88264	20.0	20.4	
99 Tetrachloroethene	166	10.001	10.001	0.000	96	85817	20.0	17.3	
103 1,3-Dichloropropane	76	10.080	10.080	0.000	91	143634	20.0	21.2	
107 2-Hexanone	43	10.141	10.147	-0.006	97	1790988	250.0	253.4	
120 Chlorodibromomethane	129	10.305	10.299	0.006	91	86750	20.0	17.3	
124 Ethylene Dibromide	107	10.409	10.408	0.001	98	90670	20.0	19.6	
* 127 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	87	650965	50.0	50.0	
129 1-Chlorohexane	91	10.883	10.883	0.000	95	109217	20.0	17.4	
131 Chlorobenzene	112	10.889	10.889	0.000	96	246829	20.0	19.6	
133 1,1,1,2-Tetrachloroethane	131	10.980	10.974	0.006	97	92432	20.0	17.8	
134 Ethylbenzene	91	10.987	10.986	0.000	98	444480	20.0	19.5	
136 m-Xylene & p-Xylene	106	11.108	11.102	0.006	100	335693	40.0	37.2	
139 o-Xylene	106	11.443	11.443	0.000	97	179746	20.0	18.8	
140 Styrene	104	11.455	11.455	0.000	94	271062	20.0	18.6	
141 Bromoform	173	11.607	11.607	0.000	96	61643	20.0	15.5	
142 Isopropylbenzene	105	11.747	11.747	0.000	96	475046	20.0	21.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 146 4-Bromofluorobenzene (Surr)	95	11.893	11.893	0.000	88	327683	50.0	50.5	
147 1,1,2,2-Tetrachloroethane	83	11.996	11.996	0.000	92	177021	20.0	21.9	
148 Bromobenzene	156	12.009	12.008	0.001	94	98685	20.0	18.5	
149 trans-1,4-Dichloro-2-butene	53	12.027	12.021	0.007	90	207588	100.0	98.2	
150 1,2,3-Trichloropropane	110	12.045	12.039	0.006	81	44622	20.0	19.3	
151 N-Propylbenzene	91	12.082	12.081	0.001	99	542392	20.0	21.1	
152 2-Chlorotoluene	126	12.155	12.154	0.001	96	104013	20.0	19.3	
153 1,3,5-Trimethylbenzene	105	12.221	12.227	-0.006	94	404320	20.0	21.0	
154 4-Chlorotoluene	126	12.252	12.252	0.000	97	100812	20.0	19.4	
156 tert-Butylbenzene	134	12.465	12.465	0.000	94	70645	20.0	20.2	
158 1,2,4-Trimethylbenzene	105	12.507	12.507	0.000	97	410562	20.0	20.5	
159 sec-Butylbenzene	105	12.635	12.635	0.000	94	516328	20.0	21.4	
160 1,3-Dichlorobenzene	146	12.726	12.726	0.000	98	202201	20.0	18.9	
161 4-Isopropyltoluene	119	12.745	12.744	0.001	97	433600	20.0	20.3	
* 163 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	95	360510	50.0	50.0	
165 1,4-Dichlorobenzene	146	12.799	12.799	0.000	95	207548	20.0	19.1	
166 1,2,3-Trimethylbenzene	105	12.818	12.817	0.001	98	439611	20.0	20.6	
167 Benzyl chloride	91	12.879	12.878	0.000	98	312909	20.0	18.8	
168 1,3-Diethylbenzene	119	12.945	12.945	0.000	95	256632	20.0	20.4	
169 p-Diethylbenzene	119	13.018	13.018	0.000	94	272736	20.0	20.1	
170 n-Butylbenzene	92	13.037	13.036	0.001	97	229943	20.0	21.6	
171 1,2-Dichlorobenzene	146	13.061	13.061	0.000	98	214878	20.0	19.0	
172 o-diethylbenzene	119	13.091	13.091	0.000	95	225026	20.0	20.8	
173 1,2-Dibromo-3-Chloropropane	75	13.602	13.602	0.000	84	49716	20.0	20.4	
175 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	97	174467	20.0	19.7	
176 1,2,4-Trichlorobenzene	180	14.162	14.162	0.000	94	178535	20.0	21.0	
178 Hexachlorobutadiene	225	14.247	14.247	0.000	98	65837	20.0	20.3	
179 Naphthalene	128	14.339	14.338	0.001	97	680118	20.0	22.5	
180 1,2,3-Trichlorobenzene	180	14.485	14.484	0.001	95	177775	20.0	21.7	
181 2-Methylnaphthalene	142	15.075	15.074	0.001	92	359353	20.0	29.0	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_Gases_00258	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00235	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00237	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00227	Amount Added: 50.00	Units: uL	
MSV_LCS_ETOH_00010	Amount Added: 50.00	Units: uL	
MSV_HP04_ISSS_00005	Amount Added: 1.00	Units: uL	Run Reagent

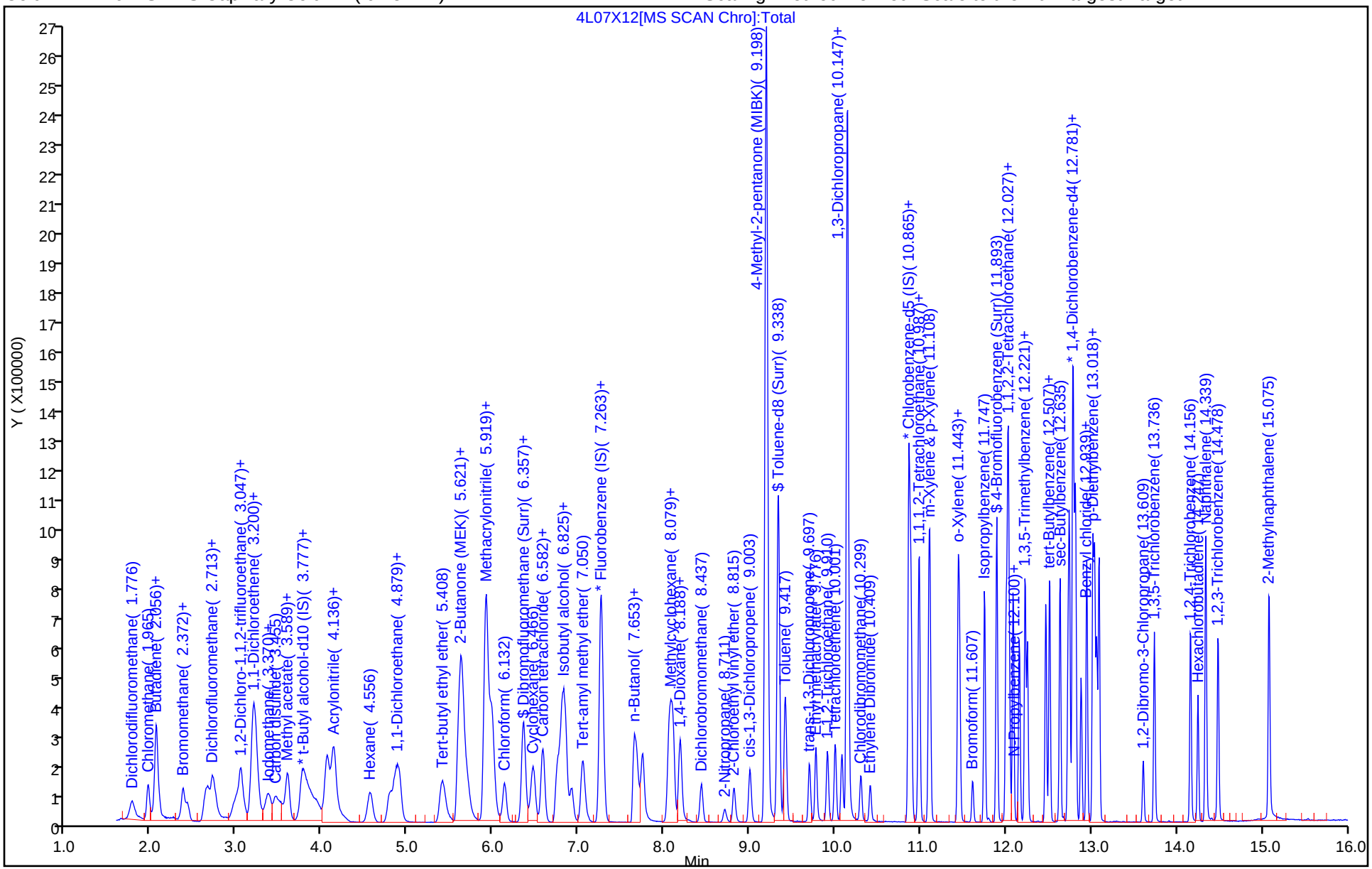
Report Date: 07-Jul-2025 12:39:00 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X12.D

Injection Date:	07-Jul-2025 12:05:30	Instrument ID:	23297	Operator ID:	clm27445
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X12.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 07-Jul-2025 12:05:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0152552-004
Operator ID: clm27445 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 07-Jul-2025 10:27:52 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: TQ4J Date: 07-Jul-2025 12:37:16

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	46.6	93.10
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	49.0	98.06
$ 82 Toluene-d8 (Surr)	50.0	54.2	108.43
$ 146 4-Bromofluorobenzene (Surr)	50.0	50.5	101.06

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-667432/5

Matrix: Water
Lab File ID: 4L07X13.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 12:28

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	17.8		1.0	0.30
71-55-6	1,1,1-Trichloroethane	16.9		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	22.1		1.0	0.30
79-00-5	1,1,2-Trichloroethane	19.6		1.0	0.30
75-34-3	1,1-Dichloroethane	20.7		1.0	0.30
75-35-4	1,1-Dichloroethene	19.4		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	19.1		1.0	0.20
107-06-2	1,2-Dichloroethane	18.0		1.0	0.30
78-87-5	1,2-Dichloropropane	19.3		1.0	0.30
78-93-3	2-Butanone (MEK)	247		10	1.0
591-78-6	2-Hexanone	251		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	229		10	0.50
67-64-1	Acetone	264		20	0.70
71-43-2	Benzene	19.3		1.0	0.30
74-97-5	Bromochloromethane	16.7		5.0	0.20
75-27-4	Bromodichloromethane	17.2		1.0	0.20
75-25-2	Bromoform	15.1		4.0	1.0
74-83-9	Bromomethane	18.3		1.0	0.30
75-15-0	Carbon disulfide	17.8		5.0	0.30
56-23-5	Carbon tetrachloride	15.8		1.0	0.30
108-90-7	Chlorobenzene	18.7		1.0	0.30
75-00-3	Chloroethane	21.2		1.0	0.30
67-66-3	Chloroform	17.9		1.0	0.30
74-87-3	Chloromethane	20.3		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	18.7		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.0		1.0	0.20
124-48-1	Dibromochloromethane	16.8		1.0	0.20
100-41-4	Ethylbenzene	18.9		1.0	0.40
1634-04-4	Methyl tert-butyl ether	20.0		1.0	0.20
75-09-2	Methylene Chloride	20.2		1.0	0.30
100-42-5	Styrene	18.2		5.0	0.30
127-18-4	Tetrachloroethene	16.9		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-229795-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-667432/5

Matrix: Water
Lab File ID: 4L07X13.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 07/07/2025 12:28

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 667432
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	19.8		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	19.3		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	19.5		1.0	0.20
79-01-6	Trichloroethene	18.4		1.0	0.30
75-01-4	Vinyl chloride	19.7		1.0	0.30
1330-20-7	Xylenes, Total	54.5		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X13.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 07-Jul-2025 12:28:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0152552-005
Operator ID: clm27445 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 07-Jul-2025 13:32:40 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: TQ4J Date: 07-Jul-2025 13:31:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.776	1.776	0.000	99	132596	20.0	17.6	
4 Chloromethane	50	1.952	1.964	-0.012	99	178850	20.0	20.3	
5 Butadiene	39	2.056	2.056	0.000	92	188954	20.0	19.2	
6 Vinyl chloride	62	2.050	2.056	-0.006	97	158272	20.0	19.7	
8 Bromomethane	94	2.360	2.372	-0.012	89	113420	20.0	18.3	
9 Chloroethane	64	2.415	2.427	-0.012	100	90713	20.0	21.2	
10 Dichlorofluoromethane	67	2.652	2.658	-0.006	97	241656	20.0	19.1	
11 Trichlorofluoromethane	101	2.707	2.719	-0.012	86	149669	20.0	16.3	
12 Pentane	43	2.713	2.725	-0.012	98	150338	20.0	16.3	
13 Ethanol	45	2.822	2.828	-0.006	94	118315	1000.1	838.8	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.980	2.986	-0.006	95	119589	20.0	18.8	
16 Acrolein	56	3.041	3.047	-0.006	100	310029	146.3	159.6	
17 1,1-Dichloroethene	96	3.187	3.187	0.000	47	91527	20.0	19.4	
18 Acetone	58	3.193	3.199	-0.006	100	254461	250.0	263.5	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.218	3.230	-0.012	95	82959	20.0	14.9	
21 Iodomethane	142	3.370	3.370	0.000	97	153869	20.0	15.1	
20 Isopropyl alcohol	45	3.358	3.376	-0.018	62	212183	150.0	136.4	
22 Carbon disulfide	76	3.449	3.455	-0.006	99	337547	20.0	17.8	
24 Methyl acetate	43	3.564	3.570	-0.006	98	149408	20.0	22.3	
25 3-Chloro-1-propene	41	3.589	3.595	-0.006	92	152863	20.0	19.5	
26 Methylene Chloride	84	3.777	3.765	0.012	94	112885	20.0	20.2	
* 27 t-Butyl alcohol-d10 (IS)	65	3.820	3.796	0.024	63	450534	250.0	250.0	
29 2-Methyl-2-propanol	59	3.923	3.917	0.006	100	351698	200.0	180.0	
30 Acrylonitrile	53	4.051	4.057	-0.006	98	361972	100.0	101.6	
32 Methyl tert-butyl ether	73	4.118	4.130	-0.012	90	316510	20.0	20.0	
31 trans-1,2-Dichloroethene	96	4.130	4.136	-0.006	98	90981	20.0	19.3	
34 Hexane	57	4.556	4.562	-0.006	95	110927	20.0	15.4	
35 1,1-Dichloroethane	63	4.781	4.787	-0.006	95	168045	20.0	20.7	
37 Isopropyl ether	45	4.848	4.854	-0.006	96	321563	20.0	20.1	
38 2-Chloro-1,3-butadiene	53	4.897	4.903	-0.006	90	128504	20.0	17.4	
39 Tert-butyl ethyl ether	59	5.402	5.408	-0.006	98	303865	20.0	19.9	
40 2-Butanone (MEK)	43	5.609	5.615	-0.005	100	1265807	250.0	247.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 cis-1,2-Dichloroethene	96	5.633	5.633	0.000	82	103271	20.0	18.7	
42 2,2-Dichloropropane	77	5.651	5.651	0.000	87	139554	20.0	16.9	
44 Propionitrile	54	5.688	5.694	-0.006	99	241973	150.0	151.1	
47 Methacrylonitrile	67	5.913	5.913	0.000	92	508782	150.0	146.1	
48 Chlorobromomethane	128	5.974	5.973	0.001	93	49144	20.0	16.7	
49 Tetrahydrofuran	71	5.986	5.986	0.000	92	139161	100.0	96.4	
50 Chloroform	83	6.126	6.132	-0.006	92	153274	20.0	17.9	
$ 52 Dibromofluoromethane (Surr)	113	6.345	6.351	-0.006	93	230844	50.0	46.5	
53 1,1,1-Trichloroethane	97	6.363	6.363	0.000	98	137437	20.0	16.9	
54 Cyclohexane	56	6.466	6.472	-0.006	92	170647	20.0	17.4	
55 Carbon tetrachloride	117	6.582	6.576	0.006	80	111422	20.0	15.8	
56 1,1-Dichloropropene	75	6.576	6.582	-0.006	97	118828	20.0	18.1	
57 Isobutyl alcohol	41	6.752	6.764	-0.012	95	273439	500.0	452.9	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.807	6.807	0.000	71	57218	50.0	47.9	
59 Benzene	78	6.844	6.843	0.001	96	382041	20.0	19.3	
60 1,2-Dichloroethane	62	6.917	6.916	0.001	97	117112	20.0	18.0	
62 Tert-amyl methyl ether	73	7.038	7.044	-0.006	99	296607	20.0	20.0	
* 63 Fluorobenzene (IS)	96	7.257	7.263	-0.006	99	956509	50.0	50.0	
64 n-Heptane	43	7.282	7.287	-0.005	94	117683	20.0	16.6	
65 n-Butanol	56	7.659	7.659	0.000	89	423028	1000.0	965.4	
66 Trichloroethene	95	7.744	7.750	-0.006	98	91680	20.0	18.4	
69 Methylcyclohexane	83	8.054	8.060	-0.006	93	155009	20.0	16.4	
70 1,2-Dichloropropane	63	8.078	8.078	0.000	98	100044	20.0	19.3	
72 2-ethoxy-2-methyl butane	87	8.103	8.103	0.000	91	135441	20.0	19.0	
74 1,4-Dioxane	88	8.176	8.176	0.000	44	53193	500.0	433.1	
73 Methyl methacrylate	69	8.182	8.182	0.000	94	88896	20.0	17.8	
75 Dibromomethane	93	8.194	8.188	0.006	94	61857	20.0	17.8	
77 Dichlorobromomethane	83	8.431	8.431	0.000	99	110257	20.0	17.2	
78 2-Nitropropane	41	8.711	8.705	0.006	99	38570	20.0	15.8	
79 2-Chloroethyl vinyl ether	63	8.815	8.814	0.001	90	69585	20.0	19.4	
80 cis-1,3-Dichloropropene	75	9.003	9.003	0.000	96	135501	20.0	18.0	
81 4-Methyl-2-pentanone (MIBK)	43	9.192	9.198	-0.006	97	2434831	250.0	229.0	
$ 82 Toluene-d8 (Surr)	98	9.332	9.338	-0.006	93	921674	50.0	53.0	
87 Toluene	92	9.417	9.417	0.000	98	220346	20.0	19.8	
88 trans-1,3-Dichloropropene	75	9.697	9.697	0.000	92	122218	20.0	19.5	
90 Ethyl methacrylate	69	9.776	9.776	0.000	90	144693	20.0	17.8	
94 1,1,2-Trichloroethane	97	9.910	9.910	0.000	89	83281	20.0	19.6	
99 Tetrachloroethene	166	10.001	10.001	0.000	97	82109	20.0	16.9	
103 1,3-Dichloropropane	76	10.080	10.080	0.000	91	137911	20.0	20.8	
107 2-Hexanone	43	10.141	10.147	-0.006	96	1743790	250.0	251.5	
120 Chlorodibromomethane	129	10.305	10.299	0.006	91	82568	20.0	16.8	
124 Ethylene Dibromide	107	10.408	10.408	0.000	99	86486	20.0	19.1	
* 127 Chlorobenzene-d5 (IS)	117	10.865	10.865	0.000	86	638491	50.0	50.0	
129 1-Chlorohexane	91	10.883	10.883	0.000	97	106122	20.0	17.2	
131 Chlorobenzene	112	10.889	10.889	0.000	95	230537	20.0	18.7	
133 1,1,1,2-Tetrachloroethane	131	10.980	10.974	0.006	97	90318	20.0	17.8	
134 Ethylbenzene	91	10.986	10.986	0.000	98	421356	20.0	18.9	
136 m-Xylene & p-Xylene	106	11.102	11.102	0.000	100	320381	40.0	36.2	
139 o-Xylene	106	11.443	11.443	0.000	96	170831	20.0	18.3	
140 Styrene	104	11.455	11.455	0.000	95	260701	20.0	18.2	
141 Bromoform	173	11.607	11.607	0.000	96	59161	20.0	15.1	
142 Isopropylbenzene	105	11.747	11.747	0.000	95	455200	20.0	20.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 146 4-Bromofluorobenzene (Surr)	95	11.893	11.893	0.000	87	310278	50.0	48.8	
147 1,1,2,2-Tetrachloroethane	83	11.996	11.996	0.000	93	172501	20.0	22.1	
148 Bromobenzene	156	12.008	12.008	0.000	94	95498	20.0	18.6	
149 trans-1,4-Dichloro-2-butene	53	12.021	12.021	0.001	93	204477	100.0	100.2	
150 1,2,3-Trichloropropane	110	12.039	12.039	0.000	80	44653	20.0	20.0	
151 N-Propylbenzene	91	12.081	12.081	0.000	99	530699	20.0	21.4	
152 2-Chlorotoluene	126	12.154	12.154	0.000	97	102596	20.0	19.7	
153 1,3,5-Trimethylbenzene	105	12.221	12.227	-0.006	94	386306	20.0	20.8	
154 4-Chlorotoluene	126	12.252	12.252	0.000	98	95918	20.0	19.1	
156 tert-Butylbenzene	134	12.465	12.465	0.000	93	69685	20.0	20.7	
158 1,2,4-Trimethylbenzene	105	12.507	12.507	0.000	98	392245	20.0	20.3	
159 sec-Butylbenzene	105	12.635	12.635	0.000	94	495118	20.0	21.2	
160 1,3-Dichlorobenzene	146	12.726	12.726	0.000	97	193858	20.0	18.7	
161 4-Isopropyltoluene	119	12.745	12.744	0.001	97	416380	20.0	20.2	
* 163 1,4-Dichlorobenzene-d4	152	12.781	12.781	0.000	96	348037	50.0	50.0	
165 1,4-Dichlorobenzene	146	12.799	12.799	0.000	95	200224	20.0	19.1	
166 1,2,3-Trimethylbenzene	105	12.818	12.817	0.001	98	425762	20.0	20.7	
167 Benzyl chloride	91	12.878	12.878	0.000	98	306724	20.0	19.1	
168 1,3-Diethylbenzene	119	12.945	12.945	0.000	96	250818	20.0	20.6	
169 p-Diethylbenzene	119	13.018	13.018	0.000	93	257630	20.0	19.7	
170 n-Butylbenzene	92	13.037	13.036	0.001	98	220256	20.0	21.4	
171 1,2-Dichlorobenzene	146	13.061	13.061	0.000	98	209134	20.0	19.2	
172 o-diethylbenzene	119	13.091	13.091	0.000	94	213901	20.0	20.5	
173 1,2-Dibromo-3-Chloropropane	75	13.602	13.602	0.000	86	46373	20.0	19.7	
175 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	169054	20.0	19.8	
176 1,2,4-Trichlorobenzene	180	14.162	14.162	0.000	94	172923	20.0	21.1	
178 Hexachlorobutadiene	225	14.247	14.247	0.000	97	63323	20.0	20.3	
179 Naphthalene	128	14.338	14.338	0.000	97	659976	20.0	22.6	
180 1,2,3-Trichlorobenzene	180	14.484	14.484	0.000	95	171285	20.0	21.6	
181 2-Methylnaphthalene	142	15.075	15.074	0.001	92	347960	20.0	29.1	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_Gases_00258	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00235	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00237	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00227	Amount Added: 50.00	Units: uL	
MSV_LCS_ETOH_00010	Amount Added: 50.00	Units: uL	
MSV_HP04_ISSS_00005	Amount Added: 1.00	Units: uL	Run Reagent

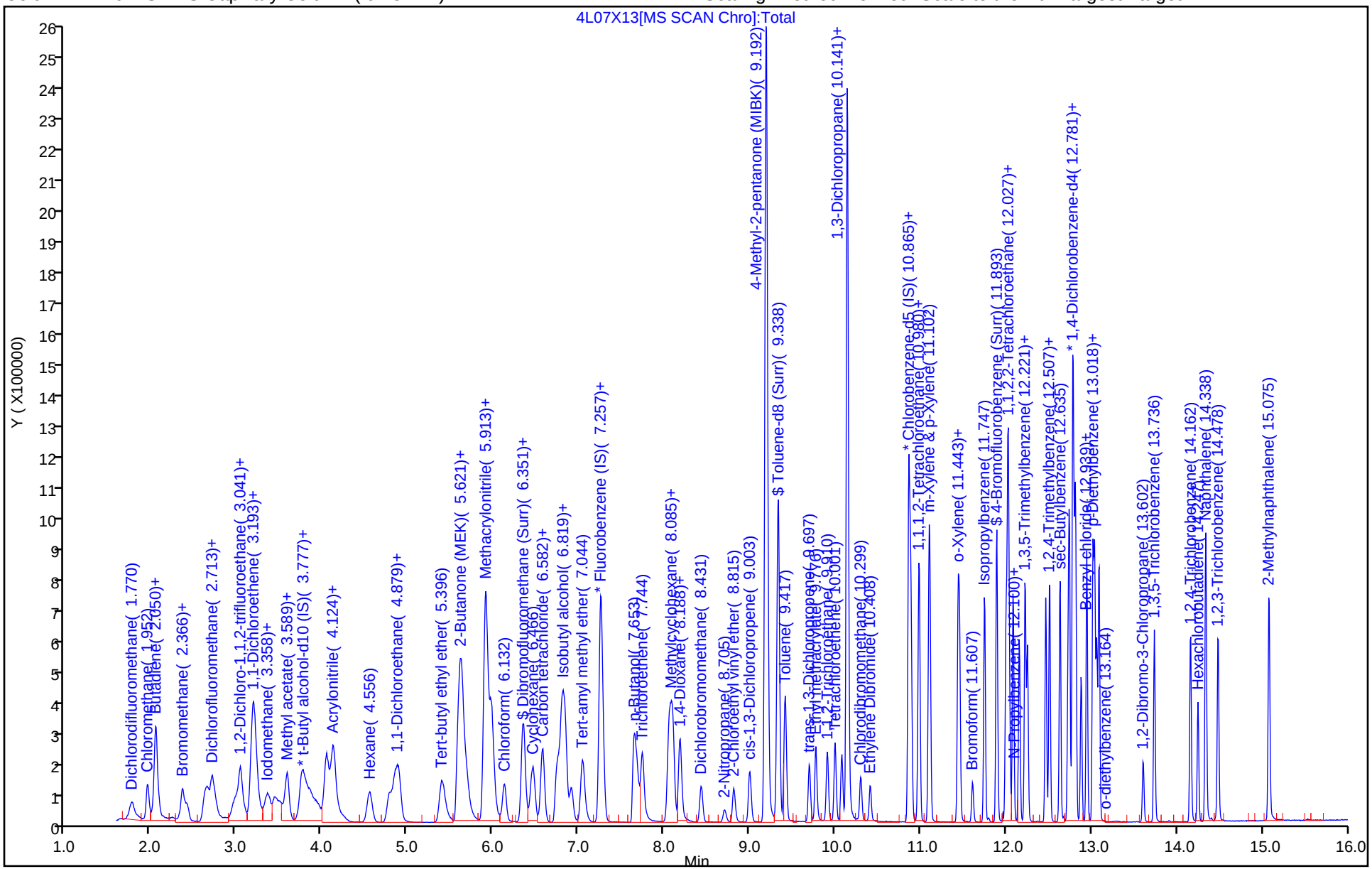
Report Date: 07-Jul-2025 13:33:00 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X13.D

Injection Date:	07-Jul-2025 12:28:30	Instrument ID:	23297	Operator ID:	clm27445
Lims ID:	LCSD			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\4L07X13.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 07-Jul-2025 12:28:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0152552-005
Operator ID: clm27445 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20250707-152552.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 07-Jul-2025 13:32:40 Calib Date: 17-Mar-2025 20:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20250317-141042.b\4M17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: TQ4J Date: 07-Jul-2025 13:31:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	46.5	92.90
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	47.9	95.75
$ 82 Toluene-d8 (Surr)	50.0	53.0	105.97
$ 146 4-Bromofluorobenzene (Surr)	50.0	48.8	97.56

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-229795-1

SDG No.:

Instrument ID: 23297

Start Date: 03/17/2025 14:04

Analysis Batch Number: 617813

End Date: 03/17/2025 21:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-617813/1		03/17/2025 14:04	1	4M17T02.D	R-624SilMS 30m 0.25(mm)
IC 410-617813/3		03/17/2025 14:42	1	4M17X02.D	R-624SilMS 30m 0.25(mm)
IC 410-617813/4		03/17/2025 15:05	1	4M17X03.D	R-624SilMS 30m 0.25(mm)
IC 410-617813/5		03/17/2025 15:27	1	4M17X04.D	R-624SilMS 30m 0.25(mm)
IC 410-617813/6		03/17/2025 15:50	1	4M17X05.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/17/2025 15:50	1		R-624SilMS 30m 0.25(mm)
IC 410-617813/7		03/17/2025 16:13	1	4M17X06.D	R-624SilMS 30m 0.25(mm)
IC 410-617813/8		03/17/2025 16:35	1	4M17X07.D	R-624SilMS 30m 0.25(mm)
ICV 410-617813/10		03/17/2025 17:20	1		R-624SilMS 30m 0.25(mm)
IC 410-617813/12		03/17/2025 18:05	1	4M17X11.D	R-624SilMS 30m 0.25(mm)
IC 410-617813/13		03/17/2025 18:28	1	4M17X12.D	R-624SilMS 30m 0.25(mm)
IC 410-617813/14		03/17/2025 18:50	1	4M17X13.D	R-624SilMS 30m 0.25(mm)
IC 410-617813/15		03/17/2025 19:13	1	4M17X14.D	R-624SilMS 30m 0.25(mm)
ICIS 410-617813/16		03/17/2025 19:36	1	4M17X15.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/17/2025 19:36	1		R-624SilMS 30m 0.25(mm)
IC 410-617813/17		03/17/2025 19:58	1	4M17X16.D	R-624SilMS 30m 0.25(mm)
IC 410-617813/18		03/17/2025 20:21	1	4M17X17.D	R-624SilMS 30m 0.25(mm)
ICV 410-617813/20		03/17/2025 21:06	1	4M17X19.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-229795-1

SDG No.:

Instrument ID: 23297 Start Date: 07/07/2025 10:46

Analysis Batch Number: 667432 End Date: 07/07/2025 20:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-667432/1		07/07/2025 10:46	1	4L07T05.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-667432/3		07/07/2025 11:43	1	4L07X11.D	R-624SilMS 30m 0.25(mm)
LCS 410-667432/4		07/07/2025 12:05	1	4L07X12.D	R-624SilMS 30m 0.25(mm)
LCSD 410-667432/5		07/07/2025 12:28	1	4L07X13.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		07/07/2025 12:50	1		R-624SilMS 30m 0.25(mm)
MB 410-667432/7		07/07/2025 13:13	1	4L07X15.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		07/07/2025 13:35	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		07/07/2025 13:58	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		07/07/2025 14:21	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		07/07/2025 14:43	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		07/07/2025 15:06	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		07/07/2025 15:29	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		07/07/2025 15:51	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		07/07/2025 16:14	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		07/07/2025 16:36	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		07/07/2025 16:59	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		07/07/2025 17:22	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		07/07/2025 17:45	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		07/07/2025 18:07	1		R-624SilMS 30m 0.25(mm)
410-229795-1	HD-MW-5-0/1-0	07/07/2025 18:30	1	4L07X29.D	R-624SilMS 30m 0.25(mm)
410-229795-2	HD-MW-6-0/1-0	07/07/2025 18:53	1	4L07X30.D	R-624SilMS 30m 0.25(mm)
410-229795-3	HD-MW-88-0/1-0	07/07/2025 19:15	1	4L07X31.D	R-624SilMS 30m 0.25(mm)
410-229795-4	HD-MW-101S-0/1-0	07/07/2025 19:38	1	4L07X32.D	R-624SilMS 30m 0.25(mm)
410-229795-5	HD-MW-101D-0/1-0	07/07/2025 20:01	1	4L07X33.D	R-624SilMS 30m 0.25(mm)
410-229795-6	HD-QC1-0/1-3	07/07/2025 20:23	1	4L07X34.D	R-624SilMS 30m 0.25(mm)
410-229795-7	HD-QC1-0/1-4	07/07/2025 20:46	1	4L07X35.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-229795-1

SDG No.:

Batch Number: 617813 | Batch Start Date: 03/17/25 14:04 | Batch Analyst: Mellinger, Corie M

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_4ppbEtOH 00745	MSV_CCV_2CEVE 00219	MSV_CCV_CYC 00011
BFB 410-617813/1		8260D			1 uL	1 uL				
IC 410-617813/3		8260D			5 mL	5 mL	2780			
IC 410-617813/4		8260D			5 mL	5 mL	2780			
IC 410-617813/5		8260D			5 mL	5 mL	2780			
IC 410-617813/6		8260D			5 mL	5 mL	2780			
IC 410-617813/7		8260D			5 mL	5 mL	2780			
IC 410-617813/8		8260D			5 mL	5 mL	2780			
IC 410-617813/12		8260D			5 mL	5 mL	2780	12.5 mL		
IC 410-617813/13		8260D			5 mL	5 mL	2780		4 uL	32 uL
IC 410-617813/14		8260D			5 mL	5 mL	2780		2 uL	8 uL
IC 410-617813/15		8260D			5 mL	5 mL	2780		4 uL	16 uL
ICIS 410-617813/16		8260D			5 mL	5 mL	2780		5 uL	10 uL
IC 410-617813/17		8260D			5 mL	5 mL	2780		5 uL	10 uL
IC 410-617813/18		8260D			5 mL	5 mL	2780		15 uL	30 uL
ICV 410-617813/20		8260D			5 mL	5 mL	2780			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_EE 00008	MSV_CCV_ETOH 00009	MSV_CCV_GASES 01047	MSV_CCV_LKB 00013	MSV_CCV_OH_Sp 00020	MSV_CCV_Penta 00061
BFB 410-617813/1		8260D								
IC 410-617813/3		8260D			4 uL			4 uL		4 uL
IC 410-617813/4		8260D			2 uL			2 uL		2 uL
IC 410-617813/5		8260D			4 uL			4 uL		4 uL
IC 410-617813/6		8260D			5 uL			5 uL		5 uL
IC 410-617813/7		8260D			5 uL			5 uL		5 uL
IC 410-617813/8		8260D			15 uL			15 uL		15 uL
IC 410-617813/12		8260D								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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SDG No.:

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Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_EE 00008	MSV_CCV_ETOH 00009	MSV_CCV_GASES 01047	MSV_CCV_LKB 00013	MSV_CCV_OH_Sp 00020	MSV_CCV_Penta 00061
IC 410-617813/13		8260D				20 uL	2 uL		4 uL	
IC 410-617813/14		8260D				8 uL	1 uL		2 uL	
IC 410-617813/15		8260D				16 uL	2 uL		4 uL	
ICIS 410-617813/16		8260D				10 uL	2.5 uL		5 uL	
IC 410-617813/17		8260D				10 uL	2.5 uL		5 uL	
IC 410-617813/18		8260D				30 uL	7.5 uL		15 uL	
ICV 410-617813/20		8260D								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00046	MSV_CCV_VOC#1 00227	MSV_CCV_VOC#3 00228	MSV_HP04_ISO 00003	MSV_HP04_ISSS 00004	MSV_LCS_2CEVE 00219
BFB 410-617813/1		8260D								
IC 410-617813/3		8260D			4 uL			1 uL		
IC 410-617813/4		8260D			2 uL			1 uL		
IC 410-617813/5		8260D			4 uL			1 uL		
IC 410-617813/6		8260D			5 uL			1 uL		
IC 410-617813/7		8260D			5 uL			1 uL		
IC 410-617813/8		8260D			15 uL			1 uL		
IC 410-617813/12		8260D							1 uL	
IC 410-617813/13		8260D				4 uL	3.2 uL		1 uL	
IC 410-617813/14		8260D				2 uL	1.6 uL		1 uL	
IC 410-617813/15		8260D				4 uL	3.2 uL		1 uL	
ICIS 410-617813/16		8260D				5 uL	4 uL		1 uL	
IC 410-617813/17		8260D				5 uL	4 uL		1 uL	
IC 410-617813/18		8260D				15 uL	12 uL		1 uL	

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-229795-1

SDG No.:

Batch Number: 617813 | Batch Start Date: 03/17/25 14:04 | Batch Analyst: Mellinger, Corie M

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00046	MSV_CCV_VOC#1 00227	MSV_CCV_VOC#3 00228	MSV_HP04_ISO 00003	MSV_HP04_ISSS 00004	MSV_LCS_2CEVE 00219
ICV 410-617813/20		8260D							1 uL	50 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00217	MSV_LCS_CYC 00011	MSV_LCS_ETOH 00010	MSV_LCS_VOC#1 00213	MSV_Q_Acr_Std 00011	MSV_QC_2K_GAS 00290
BFB 410-617813/1		8260D								
IC 410-617813/3		8260D								
IC 410-617813/4		8260D								
IC 410-617813/5		8260D								
IC 410-617813/6		8260D								
IC 410-617813/7		8260D								
IC 410-617813/8		8260D								
IC 410-617813/12		8260D								
IC 410-617813/13		8260D								
IC 410-617813/14		8260D								
IC 410-617813/15		8260D								
ICIS 410-617813/16		8260D								
IC 410-617813/17		8260D								
IC 410-617813/18		8260D								
ICV 410-617813/20		8260D			50 uL	50 uL	50 uL	50 uL	2 uL	1 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00018	MSV_V_SMFreon 00065				
BFB 410-617813/1		8260D			1 uL					
IC 410-617813/3		8260D				2 uL				
IC 410-617813/4		8260D				1 uL				
IC 410-617813/5		8260D				2 uL				

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-229795-1

SDG No.:

Batch Number: 617813 Batch Start Date: 03/17/25 14:04 Batch Analyst: Mellinger, Corie M

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00018	MSV_V_SMFreon 00065				
IC 410-617813/6		8260D				2.5 uL				
IC 410-617813/7		8260D				2.5 uL				
IC 410-617813/8		8260D				7.5 uL				
IC 410-617813/12		8260D								
IC 410-617813/13		8260D								
IC 410-617813/14		8260D								
IC 410-617813/15		8260D								
ICIS 410-617813/16		8260D								
IC 410-617813/17		8260D								
IC 410-617813/18		8260D								
ICV 410-617813/20		8260D								

Batch Notes	

Basis	Basis Description

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-229795-1

SDG No.:

Batch Number: 667432 | Batch Start Date: 07/07/25 10:46 | Batch Analyst: Mellinger, Corie M

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-667432/1		8260D			1 uL	1 uL				
CCVIS 410-667432/3		8260D			5 mL	5 mL				431127
LCS 410-667432/4		8260D			5 mL	5 mL				431127
LCSD 410-667432/5		8260D			5 mL	5 mL				431127
MB 410-667432/7		8260D			5 mL	5 mL				431127
410-229795-A-1	HD-MW-5-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-229795-A-2	HD-MW-6-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-229795-A-3	HD-MW-88-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-229795-A-4	HD-MW-101S-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-229795-A-5	HD-MW-101D-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-229795-A-6	HD-QC1-0/1-3	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-229795-A-7	HD-QC1-0/1-4	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00235	MSV_CCV_ETOH 00009	MSV_CCV_GASES 01054	MSV_CCV_VOC#1 00243	MSV_CCV_VOC#3 00245	MSV_HP04_ISSS 00005
BFB 410-667432/1		8260D								
CCVIS 410-667432/3		8260D			5 uL	10 uL	2.5 uL	5 uL	4 uL	1 uL
LCS 410-667432/4		8260D								1 uL
LCSD 410-667432/5		8260D								1 uL
MB 410-667432/7		8260D								1 uL
410-229795-A-1	HD-MW-5-0/1-0	8260D	Water	T						1 uL
410-229795-A-2	HD-MW-6-0/1-0	8260D	Water	T						1 uL
410-229795-A-3	HD-MW-88-0/1-0	8260D	Water	T						1 uL
410-229795-A-4	HD-MW-101S-0/1-0	8260D	Water	T						1 uL
410-229795-A-5	HD-MW-101D-0/1-0	8260D	Water	T						1 uL

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-229795-1

SDG No.:

Batch Number: 667432 | Batch Start Date: 07/07/25 10:46 | Batch Analyst: Mellinger, Corie M

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00235	MSV_CCV_ETOH 00009	MSV_CCV_GASES 01054	MSV_CCV_VOC#1 00243	MSV_CCV_VOC#3 00245	MSV_HP04_ISSS 00005
410-229795-A-6	HD-QC1-0/1-3	8260D	Water	T						1 uL
410-229795-A-7	HD-QC1-0/1-4	8260D	Water	T						1 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_2CEVE 00237	MSV_LCS_ACROL 00235	MSV_LCS_ETOH 00010	MSV_LCS_Gases 00258	MSV_LCS_VOC#1 00227	MSV_V_BFB 00019
BFB 410-667432/1		8260D								1 uL
CCVIS 410-667432/3		8260D								
LCS 410-667432/4		8260D			50 uL	50 uL	50 uL	50 uL	50 uL	
LCSD 410-667432/5		8260D			50 uL	50 uL	50 uL	50 uL	50 uL	
MB 410-667432/7		8260D								
410-229795-A-1	HD-MW-5-0/1-0	8260D	Water	T						
410-229795-A-2	HD-MW-6-0/1-0	8260D	Water	T						
410-229795-A-3	HD-MW-88-0/1-0	8260D	Water	T						
410-229795-A-4	HD-MW-101S-0/1-0	8260D	Water	T						
410-229795-A-5	HD-MW-101D-0/1-0	8260D	Water	T						
410-229795-A-6	HD-QC1-0/1-3	8260D	Water	T						
410-229795-A-7	HD-QC1-0/1-4	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

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Shipping and Receiving Documents

Envir Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

410-229795 Chain of Custody

Sample #

Client: Groundwater Sciences Corporation			
Project Name/#: TI Area 1 Quarterly Sampling Event	Site ID #: TYNOP, York PA		
Project Manager: Chris O'Neil	P.O. #: 10012.53		
Sampler: Casey Littlefield / Lucas Grimm	PWSID #: N/A		
Phone #: (717) 901-8176 / (717) 756-1246	Quote #:		
State where samples were collected: York, PA	For Compliance: Yes ☐ No ☑		

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil ☐ Sediment ☐ Tissue	Water ☑ Ground ☐ Surface ☐ Potable ☐ NPDES	Other:	Total # of Containers	Analyses Requested: Aqueous VOCs via 8260D (standarded level - purge)	Preservation Codes: H	Remarks
HD-MW-5-0/1-0	6/24/25	1243	X			X		3	X		All Samples
HD-MW-6-0/1-0		0733	X			X		3	X		preserved on
HD-MW-88-0/1-0		1235	X			X		3	X		ice
HD-MW-101S-0/1-0		1114	X			X		3	X		
HD-MW-101D-0/1-0		1015	X			X		3	X		
HD-QC1-0/1-3		1300	X			X		3	X		Rinse Blank
HD-QC1-0/1-4	↓	1230	X			X		3	X		Field Blank

For Lab Use Only
SF #:
SCR #:

Preservation Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 P = H_3PO_4
O = Other

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed: STANDARD

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: ON - FILE

Phone:

Data Package Options (please check if required)

Type I (Validation/non-CLP)	☐	MA MCP	☐
Type III (Reduced non-CLP)	☐	CT RCP	☐
Type VI (Raw Data Only)	☐	TX TRRP-13	☐
NJ DKQP	☐	NYSDEC Category	☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: ____ CLP Like Deliverables, Project Specific Analyte List

Relinquished by:	Date	Time	Received by:	Date	Time
	6/24/25	0915		6/24/25	9:15
	6/26/25	1654			
	6/27/25	1630		6/28/25	1630

Relinquished by Commercial Carrier:

UPS ____ FedEx ____ Other ____

Temperature upon receipt R4.0 °C
C4.1

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

7045 0216

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-229795-1

Login Number: 229795

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Phillips, Ann-Marie E

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	