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ANALYTICAL REPORT

PREPARED FOR

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2550 Interstate Drive
Suite 303
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Generated 10/17/2025

JOB DESCRIPTION

2025 Comprehensive Sampling

JOB NUMBER

410-245374-1

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

See page two for job notes and contact information.

my EOL

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
10/17/2025

Authorized for release by
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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^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.

General Chemistry

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail

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
410-245374-1

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

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

Receipt
The samples were received on 10/3/2025 4:45 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 0.8°C.

Receipt Exceptions
The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): HD-MW-150-0/1-0 (410-245374-6). The container labels list 13:40, while the COC lists 11:40. The client was contacted, and the lab was instructed to proceed with the time listed on the COC.

The container count for the following sample did not match what was listed on the Chain-of-Custody (COC): HD-MW-2-0/1-0 (410-245374-11).
The laboratory received 5 total containers, while the COC lists 3 total containers. The client confirmed the number of containers submitted in email on 10/8.

The following sample was collected in an improper container: HD-MW-2-0/1-0 (410-245374-11). Free cyanide requires amber plastic or glass preserved with NaOH.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 410-712932 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane, Chloroethane, Chloromethane and Vinyl chloride. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-714112 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane, Chloromethane and Vinyl chloride. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-714112 recovered above the upper control limit for 1,1,1-Trichloroethane, 1,1-Dichloroethane, Bromochloromethane, Bromoform, Carbon tetrachloride, Chloroform, Tetrachloroethene and Trichloroethene. 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.

General Chemistry
Method 1677: The sample HD-MW-2-0/1-0 (410-245374-11) was not received in an amber bottle to protect the sample from photodecomposition of iron-cyanide complexes.

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

Detection Summary

Client: Verdantas
Job ID: 410-245374-1
Project/Site: 2025 Comprehensive Sampling

Client Sample ID: HD-MW-143S-0/1-0 — Lab Sample ID: 410-245374-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.51	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-143D-0/1-0 — Lab Sample ID: 410-245374-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.3		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-GM-1D-0/1-0 — Lab Sample ID: 410-245374-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.47	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-43D-0/1-0 — Lab Sample ID: 410-245374-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.8		1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	3.7		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	1.3		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-142D-0/1-0 — Lab Sample ID: 410-245374-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.45	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-150-0/1-0 — Lab Sample ID: 410-245374-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.47	J	1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	35		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	22		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COLE-D-0/1-0 — Lab Sample ID: 410-245374-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.49	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	14		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.51	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-110-0/1-0 — Lab Sample ID: 410-245374-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.68	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	17		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.40	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-18D-0/1-0 — Lab Sample ID: 410-245374-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	12		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.94	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-69-0/1-0 — Lab Sample ID: 410-245374-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.8		1.0	0.30	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HD-MW-69-0/1-0 (Continued) — Lab Sample ID: 410-245374-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	2.3	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-2-0/1-0 — Lab Sample ID: 410-245374-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	61		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.41	J	1.0	0.30	ug/L	1		8260D	Total/NA
Cyanide, Total	0.31		0.010	0.0080	mg/L	1		9012B	Total/NA
Cyanide, Available	0.052	cn	0.0020	0.0016	mg/L	1		OIA - 1677	Total/NA

Client Sample ID: HD-MW-111-0/1-0 — Lab Sample ID: 410-245374-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.8		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.38	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-QC3-0/1-2 — Lab Sample ID: 410-245374-13

No Detections.

Client Sample ID: HD-COLE STEEL MW-12 0/1-0 — Lab Sample ID: 410-245374-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	12		1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.60	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	10		1.0	0.30	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HD-MW-143S-0/1-0
Lab Sample ID: 410-245374-1

Date Collected: 10/01/25 10:40
Matrix: Water
Date Received: 10/03/25 16:45

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			10/13/25 18:07	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/13/25 18:07	1
1,1,2,2-Tetrachloroethane	ND	^c *+ cn	1.0	0.30	ug/L			10/13/25 18:07	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/13/25 18:07	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/13/25 18:07	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/13/25 18:07	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/13/25 18:07	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/13/25 18:07	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/13/25 18:07	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/13/25 18:07	1
2-Hexanone	ND		10	0.85	ug/L			10/13/25 18:07	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/13/25 18:07	1
Acetone	ND		20	0.70	ug/L			10/13/25 18:07	1
Benzene	ND		1.0	0.30	ug/L			10/13/25 18:07	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/13/25 18:07	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/13/25 18:07	1
Bromoform	ND		4.0	1.0	ug/L			10/13/25 18:07	1
Bromomethane	ND		1.0	0.30	ug/L			10/13/25 18:07	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/13/25 18:07	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/13/25 18:07	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/13/25 18:07	1
Chloroethane	ND	^c cn	1.0	0.30	ug/L			10/13/25 18:07	1
Chloroform	ND		1.0	0.30	ug/L			10/13/25 18:07	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			10/13/25 18:07	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/13/25 18:07	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/13/25 18:07	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/13/25 18:07	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/13/25 18:07	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/13/25 18:07	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/13/25 18:07	1
Styrene	ND		5.0	0.30	ug/L			10/13/25 18:07	1
Tetrachloroethene	**0.51**	**J**	1.0	0.30	ug/L			10/13/25 18:07	1
Toluene	ND		1.0	0.30	ug/L			10/13/25 18:07	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/13/25 18:07	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/13/25 18:07	1
Trichloroethene	ND		1.0	0.30	ug/L			10/13/25 18:07	1
Vinyl chloride	ND	^c cn	1.0	0.30	ug/L			10/13/25 18:07	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/13/25 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*10/13/25 18:07*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/13/25 18:07*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*10/13/25 18:07*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*10/13/25 18:07*	*1*

Client Sample ID: HD-MW-143D-0/1-0
Lab Sample ID: 410-245374-2

Date Collected: 10/01/25 11:35
Matrix: Water
Date Received: 10/03/25 16:45

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			10/13/25 18:26	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/13/25 18:26	1
1,1,2,2-Tetrachloroethane	ND	^c *+ cn	1.0	0.30	ug/L			10/13/25 18:26	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/13/25 18:26	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/13/25 18:26	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/13/25 18:26	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/13/25 18:26	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/13/25 18:26	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/13/25 18:26	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/13/25 18:26	1
2-Hexanone	ND		10	0.85	ug/L			10/13/25 18:26	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/13/25 18:26	1
Acetone	ND		20	0.70	ug/L			10/13/25 18:26	1
Benzene	ND		1.0	0.30	ug/L			10/13/25 18:26	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/13/25 18:26	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/13/25 18:26	1
Bromoform	ND		4.0	1.0	ug/L			10/13/25 18:26	1
Bromomethane	ND		1.0	0.30	ug/L			10/13/25 18:26	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/13/25 18:26	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/13/25 18:26	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/13/25 18:26	1
Chloroethane	ND	^c cn	1.0	0.30	ug/L			10/13/25 18:26	1
Chloroform	ND		1.0	0.30	ug/L			10/13/25 18:26	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			10/13/25 18:26	1
cis-1,2-Dichloroethene	**3.3**		1.0	0.30	ug/L			10/13/25 18:26	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/13/25 18:26	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/13/25 18:26	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/13/25 18:26	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/13/25 18:26	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/13/25 18:26	1
Styrene	ND		5.0	0.30	ug/L			10/13/25 18:26	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/13/25 18:26	1
Toluene	ND		1.0	0.30	ug/L			10/13/25 18:26	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/13/25 18:26	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/13/25 18:26	1
Trichloroethene	ND		1.0	0.30	ug/L			10/13/25 18:26	1
Vinyl chloride	ND	^c cn	1.0	0.30	ug/L			10/13/25 18:26	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/13/25 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*10/13/25 18:26*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/13/25 18:26*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/13/25 18:26*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*10/13/25 18:26*	*1*

Client Sample ID: HD-GM-1D-0/1-0
Lab Sample ID: 410-245374-3

Date Collected: 10/02/25 09:25
Matrix: Water
Date Received: 10/03/25 16:45

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			10/13/25 18:46	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/13/25 18:46	1
1,1,2,2-Tetrachloroethane	ND	^c *+ cn	1.0	0.30	ug/L			10/13/25 18:46	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/13/25 18:46	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/13/25 18:46	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/13/25 18:46	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/13/25 18:46	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/13/25 18:46	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/13/25 18:46	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/13/25 18:46	1
2-Hexanone	ND		10	0.85	ug/L			10/13/25 18:46	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/13/25 18:46	1
Acetone	ND		20	0.70	ug/L			10/13/25 18:46	1
Benzene	ND		1.0	0.30	ug/L			10/13/25 18:46	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/13/25 18:46	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/13/25 18:46	1
Bromoform	ND		4.0	1.0	ug/L			10/13/25 18:46	1
Bromomethane	ND		1.0	0.30	ug/L			10/13/25 18:46	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/13/25 18:46	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/13/25 18:46	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/13/25 18:46	1
Chloroethane	ND	^c cn	1.0	0.30	ug/L			10/13/25 18:46	1
Chloroform	ND		1.0	0.30	ug/L			10/13/25 18:46	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			10/13/25 18:46	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/13/25 18:46	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/13/25 18:46	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/13/25 18:46	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/13/25 18:46	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/13/25 18:46	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/13/25 18:46	1
Styrene	ND		5.0	0.30	ug/L			10/13/25 18:46	1
Tetrachloroethene	**0.47**	**J**	1.0	0.30	ug/L			10/13/25 18:46	1
Toluene	ND		1.0	0.30	ug/L			10/13/25 18:46	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/13/25 18:46	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/13/25 18:46	1
Trichloroethene	ND		1.0	0.30	ug/L			10/13/25 18:46	1
Vinyl chloride	ND	^c cn	1.0	0.30	ug/L			10/13/25 18:46	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/13/25 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*10/13/25 18:46*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/13/25 18:46*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*10/13/25 18:46*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/13/25 18:46*	*1*

Client Sample ID: HD-MW-43D-0/1-0
Lab Sample ID: 410-245374-4

Date Collected: 10/02/25 13:35
Matrix: Water
Date Received: 10/03/25 16:45

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			10/14/25 19:30	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/14/25 19:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/14/25 19:30	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/14/25 19:30	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/14/25 19:30	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/14/25 19:30	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/14/25 19:30	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/14/25 19:30	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/14/25 19:30	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/14/25 19:30	1
2-Hexanone	ND		10	0.85	ug/L			10/14/25 19:30	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/14/25 19:30	1
Acetone	ND		20	0.70	ug/L			10/14/25 19:30	1
Benzene	ND		1.0	0.30	ug/L			10/14/25 19:30	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/14/25 19:30	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/14/25 19:30	1
Bromoform	ND		4.0	1.0	ug/L			10/14/25 19:30	1
Bromomethane	ND		1.0	0.30	ug/L			10/14/25 19:30	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/14/25 19:30	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/14/25 19:30	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/14/25 19:30	1
Chloroethane	ND		1.0	0.30	ug/L			10/14/25 19:30	1
Chloroform	ND		1.0	0.30	ug/L			10/14/25 19:30	1
Chloromethane	ND		2.0	0.55	ug/L			10/14/25 19:30	1
cis-1,2-Dichloroethene	**2.8**		1.0	0.30	ug/L			10/14/25 19:30	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/14/25 19:30	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/14/25 19:30	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/14/25 19:30	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/14/25 19:30	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/14/25 19:30	1
Styrene	ND		5.0	0.30	ug/L			10/14/25 19:30	1
Tetrachloroethene	**3.7**		1.0	0.30	ug/L			10/14/25 19:30	1
Toluene	ND		1.0	0.30	ug/L			10/14/25 19:30	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/14/25 19:30	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/14/25 19:30	1
Trichloroethene	**1.3**		1.0	0.30	ug/L			10/14/25 19:30	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/14/25 19:30	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/14/25 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*10/14/25 19:30*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*10/14/25 19:30*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*10/14/25 19:30*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/14/25 19:30*	*1*

Client Sample ID: HD-MW-142D-0/1-0
Lab Sample ID: 410-245374-5

Date Collected: 10/02/25 14:05
Matrix: Water
Date Received: 10/03/25 16:45

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			10/14/25 19:52	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/14/25 19:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/14/25 19:52	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/14/25 19:52	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/14/25 19:52	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/14/25 19:52	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/14/25 19:52	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/14/25 19:52	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/14/25 19:52	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/14/25 19:52	1
2-Hexanone	ND		10	0.85	ug/L			10/14/25 19:52	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/14/25 19:52	1
Acetone	ND		20	0.70	ug/L			10/14/25 19:52	1
Benzene	ND		1.0	0.30	ug/L			10/14/25 19:52	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/14/25 19:52	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/14/25 19:52	1
Bromoform	ND		4.0	1.0	ug/L			10/14/25 19:52	1
Bromomethane	ND		1.0	0.30	ug/L			10/14/25 19:52	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/14/25 19:52	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/14/25 19:52	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/14/25 19:52	1
Chloroethane	ND		1.0	0.30	ug/L			10/14/25 19:52	1
Chloroform	ND		1.0	0.30	ug/L			10/14/25 19:52	1
Chloromethane	ND		2.0	0.55	ug/L			10/14/25 19:52	1
cis-1,2-Dichloroethene	**0.45**	**J**	1.0	0.30	ug/L			10/14/25 19:52	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/14/25 19:52	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/14/25 19:52	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/14/25 19:52	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/14/25 19:52	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/14/25 19:52	1
Styrene	ND		5.0	0.30	ug/L			10/14/25 19:52	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/14/25 19:52	1
Toluene	ND		1.0	0.30	ug/L			10/14/25 19:52	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/14/25 19:52	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/14/25 19:52	1
Trichloroethene	ND		1.0	0.30	ug/L			10/14/25 19:52	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/14/25 19:52	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/14/25 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*10/14/25 19:52*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*10/14/25 19:52*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/14/25 19:52*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/14/25 19:52*	*1*

Client Sample ID: HD-MW-150-0/1-0
Lab Sample ID: 410-245374-6

Date Collected: 10/02/25 11:40
Matrix: Water
Date Received: 10/03/25 16:45

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			10/14/25 20:14	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/14/25 20:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/14/25 20:14	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/14/25 20:14	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/14/25 20:14	1
1,1-Dichloroethene	**0.47**	**J**	1.0	0.30	ug/L			10/14/25 20:14	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/14/25 20:14	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/14/25 20:14	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/14/25 20:14	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/14/25 20:14	1
2-Hexanone	ND		10	0.85	ug/L			10/14/25 20:14	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/14/25 20:14	1
Acetone	ND		20	0.70	ug/L			10/14/25 20:14	1
Benzene	ND		1.0	0.30	ug/L			10/14/25 20:14	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/14/25 20:14	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/14/25 20:14	1
Bromoform	ND		4.0	1.0	ug/L			10/14/25 20:14	1
Bromomethane	ND		1.0	0.30	ug/L			10/14/25 20:14	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/14/25 20:14	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/14/25 20:14	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/14/25 20:14	1
Chloroethane	ND		1.0	0.30	ug/L			10/14/25 20:14	1
Chloroform	ND		1.0	0.30	ug/L			10/14/25 20:14	1
Chloromethane	ND		2.0	0.55	ug/L			10/14/25 20:14	1
cis-1,2-Dichloroethene	**35**		1.0	0.30	ug/L			10/14/25 20:14	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/14/25 20:14	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/14/25 20:14	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/14/25 20:14	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/14/25 20:14	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/14/25 20:14	1
Styrene	ND		5.0	0.30	ug/L			10/14/25 20:14	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/14/25 20:14	1
Toluene	ND		1.0	0.30	ug/L			10/14/25 20:14	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/14/25 20:14	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/14/25 20:14	1
Trichloroethene	**22**		1.0	0.30	ug/L			10/14/25 20:14	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/14/25 20:14	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/14/25 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*10/14/25 20:14*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*10/14/25 20:14*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/14/25 20:14*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/14/25 20:14*	*1*

Client Sample ID: HD-COLE-D-0/1-0
Lab Sample ID: 410-245374-7

Date Collected: 10/02/25 13:00
Matrix: Water
Date Received: 10/03/25 16:45

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			10/14/25 20:36	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/14/25 20:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/14/25 20:36	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/14/25 20:36	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/14/25 20:36	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/14/25 20:36	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/14/25 20:36	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/14/25 20:36	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/14/25 20:36	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/14/25 20:36	1
2-Hexanone	ND		10	0.85	ug/L			10/14/25 20:36	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/14/25 20:36	1
Acetone	ND		20	0.70	ug/L			10/14/25 20:36	1
Benzene	ND		1.0	0.30	ug/L			10/14/25 20:36	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/14/25 20:36	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/14/25 20:36	1
Bromoform	ND		4.0	1.0	ug/L			10/14/25 20:36	1
Bromomethane	ND		1.0	0.30	ug/L			10/14/25 20:36	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/14/25 20:36	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/14/25 20:36	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/14/25 20:36	1
Chloroethane	ND		1.0	0.30	ug/L			10/14/25 20:36	1
Chloroform	**0.49**	**J**	1.0	0.30	ug/L			10/14/25 20:36	1
Chloromethane	ND		2.0	0.55	ug/L			10/14/25 20:36	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/14/25 20:36	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/14/25 20:36	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/14/25 20:36	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/14/25 20:36	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/14/25 20:36	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/14/25 20:36	1
Styrene	ND		5.0	0.30	ug/L			10/14/25 20:36	1
Tetrachloroethene	**14**		1.0	0.30	ug/L			10/14/25 20:36	1
Toluene	ND		1.0	0.30	ug/L			10/14/25 20:36	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/14/25 20:36	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/14/25 20:36	1
Trichloroethene	**0.51**	**J**	1.0	0.30	ug/L			10/14/25 20:36	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/14/25 20:36	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/14/25 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*10/14/25 20:36*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*10/14/25 20:36*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*10/14/25 20:36*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/14/25 20:36*	*1*

Client Sample ID: HD-MW-110-0/1-0
Lab Sample ID: 410-245374-8

Date Collected: 10/02/25 14:00
Matrix: Water
Date Received: 10/03/25 16:45

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			10/14/25 20:59	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/14/25 20:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/14/25 20:59	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/14/25 20:59	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/14/25 20:59	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/14/25 20:59	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/14/25 20:59	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/14/25 20:59	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/14/25 20:59	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/14/25 20:59	1
2-Hexanone	ND		10	0.85	ug/L			10/14/25 20:59	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/14/25 20:59	1
Acetone	ND		20	0.70	ug/L			10/14/25 20:59	1
Benzene	ND		1.0	0.30	ug/L			10/14/25 20:59	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/14/25 20:59	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/14/25 20:59	1
Bromoform	ND		4.0	1.0	ug/L			10/14/25 20:59	1
Bromomethane	ND		1.0	0.30	ug/L			10/14/25 20:59	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/14/25 20:59	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/14/25 20:59	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/14/25 20:59	1
Chloroethane	ND		1.0	0.30	ug/L			10/14/25 20:59	1
Chloroform	**0.68**	**J**	1.0	0.30	ug/L			10/14/25 20:59	1
Chloromethane	ND		2.0	0.55	ug/L			10/14/25 20:59	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/14/25 20:59	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/14/25 20:59	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/14/25 20:59	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/14/25 20:59	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/14/25 20:59	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/14/25 20:59	1
Styrene	ND		5.0	0.30	ug/L			10/14/25 20:59	1
Tetrachloroethene	**17**		1.0	0.30	ug/L			10/14/25 20:59	1
Toluene	ND		1.0	0.30	ug/L			10/14/25 20:59	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/14/25 20:59	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/14/25 20:59	1
Trichloroethene	**0.40**	**J**	1.0	0.30	ug/L			10/14/25 20:59	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/14/25 20:59	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/14/25 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*10/14/25 20:59*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/14/25 20:59*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*10/14/25 20:59*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/14/25 20:59*	*1*

Client Sample ID: HD-MW-18D-0/1-0
Lab Sample ID: 410-245374-9

Date Collected: 10/01/25 14:32
Matrix: Water
Date Received: 10/03/25 16:45

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			10/13/25 19:06	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/13/25 19:06	1
1,1,2,2-Tetrachloroethane	ND	^c *+ cn	1.0	0.30	ug/L			10/13/25 19:06	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/13/25 19:06	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/13/25 19:06	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/13/25 19:06	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/13/25 19:06	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/13/25 19:06	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/13/25 19:06	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/13/25 19:06	1
2-Hexanone	ND		10	0.85	ug/L			10/13/25 19:06	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/13/25 19:06	1
Acetone	ND		20	0.70	ug/L			10/13/25 19:06	1
Benzene	ND		1.0	0.30	ug/L			10/13/25 19:06	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/13/25 19:06	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/13/25 19:06	1
Bromoform	ND		4.0	1.0	ug/L			10/13/25 19:06	1
Bromomethane	ND		1.0	0.30	ug/L			10/13/25 19:06	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/13/25 19:06	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/13/25 19:06	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/13/25 19:06	1
Chloroethane	ND	^c cn	1.0	0.30	ug/L			10/13/25 19:06	1
Chloroform	ND		1.0	0.30	ug/L			10/13/25 19:06	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			10/13/25 19:06	1
cis-1,2-Dichloroethene	**12**		1.0	0.30	ug/L			10/13/25 19:06	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/13/25 19:06	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/13/25 19:06	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/13/25 19:06	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/13/25 19:06	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/13/25 19:06	1
Styrene	ND		5.0	0.30	ug/L			10/13/25 19:06	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/13/25 19:06	1
Toluene	ND		1.0	0.30	ug/L			10/13/25 19:06	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/13/25 19:06	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/13/25 19:06	1
Trichloroethene	**0.94**	**J**	1.0	0.30	ug/L			10/13/25 19:06	1
Vinyl chloride	ND	^c cn	1.0	0.30	ug/L			10/13/25 19:06	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/13/25 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*10/13/25 19:06*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/13/25 19:06*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*10/13/25 19:06*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/13/25 19:06*	*1*

Client Sample ID: HD-MW-69-0/1-0
Lab Sample ID: 410-245374-10

Date Collected: 10/02/25 14:22
Matrix: Water
Date Received: 10/03/25 16:45

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			10/15/25 21:05	1
1,1,1-Trichloroethane	ND	^c cn	1.0	0.30	ug/L			10/15/25 21:05	1
1,1,2,2-Tetrachloroethane	ND	^c *+ cn	1.0	0.30	ug/L			10/15/25 21:05	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/15/25 21:05	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			10/15/25 21:05	1
1,1-Dichloroethene	ND	^c	1.0	0.30	ug/L			10/15/25 21:05	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/15/25 21:05	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/15/25 21:05	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/15/25 21:05	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/15/25 21:05	1
2-Hexanone	ND		10	0.85	ug/L			10/15/25 21:05	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/15/25 21:05	1
Acetone	ND		20	0.70	ug/L			10/15/25 21:05	1
Benzene	ND		1.0	0.30	ug/L			10/15/25 21:05	1
Bromochloromethane	ND	^c cn	5.0	0.20	ug/L			10/15/25 21:05	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/15/25 21:05	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			10/15/25 21:05	1
Bromomethane	ND		1.0	0.30	ug/L			10/15/25 21:05	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/15/25 21:05	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			10/15/25 21:05	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/15/25 21:05	1
Chloroethane	ND		1.0	0.30	ug/L			10/15/25 21:05	1
Chloroform	ND	^c cn	1.0	0.30	ug/L			10/15/25 21:05	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			10/15/25 21:05	1
cis-1,2-Dichloroethene	**2.8**		1.0	0.30	ug/L			10/15/25 21:05	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/15/25 21:05	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/15/25 21:05	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/15/25 21:05	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/15/25 21:05	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/15/25 21:05	1
Styrene	ND		5.0	0.30	ug/L			10/15/25 21:05	1
Tetrachloroethene	ND	^c cn	1.0	0.30	ug/L			10/15/25 21:05	1
Toluene	ND		1.0	0.30	ug/L			10/15/25 21:05	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/15/25 21:05	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/15/25 21:05	1
Trichloroethene	**2.3**	**^c cn**	1.0	0.30	ug/L			10/15/25 21:05	1
Vinyl chloride	ND	^c cn	1.0	0.30	ug/L			10/15/25 21:05	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/15/25 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*10/15/25 21:05*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*10/15/25 21:05*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*10/15/25 21:05*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*10/15/25 21:05*	*1*

Client Sample ID: HD-MW-2-0/1-0
Lab Sample ID: 410-245374-11

Date Collected: 10/03/25 11:20
Matrix: Water

Date Received: 10/03/25 16:45

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			10/16/25 16:12	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/16/25 16:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/16/25 16:12	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/16/25 16:12	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/16/25 16:12	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/16/25 16:12	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/16/25 16:12	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/16/25 16:12	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/16/25 16:12	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/16/25 16:12	1
2-Hexanone	ND		10	0.85	ug/L			10/16/25 16:12	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/16/25 16:12	1
Acetone	ND		20	0.70	ug/L			10/16/25 16:12	1
Benzene	ND		1.0	0.30	ug/L			10/16/25 16:12	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/16/25 16:12	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/16/25 16:12	1
Bromoform	ND		4.0	1.0	ug/L			10/16/25 16:12	1
Bromomethane	ND		1.0	0.30	ug/L			10/16/25 16:12	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/16/25 16:12	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/16/25 16:12	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/16/25 16:12	1
Chloroethane	ND		1.0	0.30	ug/L			10/16/25 16:12	1
Chloroform	ND		1.0	0.30	ug/L			10/16/25 16:12	1
Chloromethane	ND		2.0	0.55	ug/L			10/16/25 16:12	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/16/25 16:12	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/16/25 16:12	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/16/25 16:12	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/16/25 16:12	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/16/25 16:12	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/16/25 16:12	1
Styrene	ND		5.0	0.30	ug/L			10/16/25 16:12	1
Tetrachloroethene	**61**		1.0	0.30	ug/L			10/16/25 16:12	1
Toluene	ND		1.0	0.30	ug/L			10/16/25 16:12	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/16/25 16:12	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/16/25 16:12	1
Trichloroethene	**0.41**	**J**	1.0	0.30	ug/L			10/16/25 16:12	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/16/25 16:12	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/16/25 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*10/16/25 16:12*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/16/25 16:12*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/16/25 16:12*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/16/25 16:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.31**		0.010	0.0080	mg/L		10/15/25 08:05	10/15/25 15:40	1

Client Sample ID: HD-MW-2-0/1-0
Lab Sample ID: 410-245374-11

Date Collected: 10/03/25 11:20
Matrix: Water
Date Received: 10/03/25 16:45

General Chemistry
Lab: Eurofins Pittsburgh

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Available (EPA OIA - 1677)	0.052	cn	0.0020	0.0016	mg/L			10/14/25 14:20	1

Client Sample ID: HD-MW-111-0/1-0
Lab Sample ID: 410-245374-12

Date Collected: 10/03/25 12:43
Matrix: Water
Date Received: 10/03/25 16:45

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			10/16/25 16:34	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/16/25 16:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/16/25 16:34	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/16/25 16:34	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/16/25 16:34	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/16/25 16:34	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/16/25 16:34	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/16/25 16:34	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/16/25 16:34	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/16/25 16:34	1
2-Hexanone	ND		10	0.85	ug/L			10/16/25 16:34	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/16/25 16:34	1
Acetone	ND		20	0.70	ug/L			10/16/25 16:34	1
Benzene	ND		1.0	0.30	ug/L			10/16/25 16:34	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/16/25 16:34	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/16/25 16:34	1
Bromoform	ND		4.0	1.0	ug/L			10/16/25 16:34	1
Bromomethane	ND		1.0	0.30	ug/L			10/16/25 16:34	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/16/25 16:34	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/16/25 16:34	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/16/25 16:34	1
Chloroethane	ND		1.0	0.30	ug/L			10/16/25 16:34	1
Chloroform	ND		1.0	0.30	ug/L			10/16/25 16:34	1
Chloromethane	ND		2.0	0.55	ug/L			10/16/25 16:34	1
cis-1,2-Dichloroethene	5.8		1.0	0.30	ug/L			10/16/25 16:34	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/16/25 16:34	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/16/25 16:34	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/16/25 16:34	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/16/25 16:34	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/16/25 16:34	1
Styrene	ND		5.0	0.30	ug/L			10/16/25 16:34	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/16/25 16:34	1
Toluene	ND		1.0	0.30	ug/L			10/16/25 16:34	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/16/25 16:34	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/16/25 16:34	1
Trichloroethene	0.38	J	1.0	0.30	ug/L			10/16/25 16:34	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/16/25 16:34	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/16/25 16:34	1

Client Sample ID: HD-MW-111-0/1-0
Lab Sample ID: 410-245374-12

Date Collected: 10/03/25 12:43
Matrix: Water
Date Received: 10/03/25 16:45

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*10/16/25 16:34*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/16/25 16:34*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*10/16/25 16:34*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/16/25 16:34*	*1*

Client Sample ID: HD-QC3-0/1-2
Lab Sample ID: 410-245374-13

Date Collected: 10/01/25 00:00
Matrix: Water
Date Received: 10/03/25 16:45

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			10/13/25 12:51	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/13/25 12:51	1
1,1,2,2-Tetrachloroethane	ND	^c *+ cn	1.0	0.30	ug/L			10/13/25 12:51	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/13/25 12:51	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/13/25 12:51	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/13/25 12:51	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/13/25 12:51	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/13/25 12:51	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/13/25 12:51	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/13/25 12:51	1
2-Hexanone	ND		10	0.85	ug/L			10/13/25 12:51	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/13/25 12:51	1
Acetone	ND		20	0.70	ug/L			10/13/25 12:51	1
Benzene	ND		1.0	0.30	ug/L			10/13/25 12:51	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/13/25 12:51	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/13/25 12:51	1
Bromoform	ND		4.0	1.0	ug/L			10/13/25 12:51	1
Bromomethane	ND		1.0	0.30	ug/L			10/13/25 12:51	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/13/25 12:51	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/13/25 12:51	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/13/25 12:51	1
Chloroethane	ND	^c cn	1.0	0.30	ug/L			10/13/25 12:51	1
Chloroform	ND		1.0	0.30	ug/L			10/13/25 12:51	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			10/13/25 12:51	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/13/25 12:51	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/13/25 12:51	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/13/25 12:51	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/13/25 12:51	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/13/25 12:51	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/13/25 12:51	1
Styrene	ND		5.0	0.30	ug/L			10/13/25 12:51	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/13/25 12:51	1
Toluene	ND		1.0	0.30	ug/L			10/13/25 12:51	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/13/25 12:51	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/13/25 12:51	1
Trichloroethene	ND		1.0	0.30	ug/L			10/13/25 12:51	1
Vinyl chloride	ND	^c cn	1.0	0.30	ug/L			10/13/25 12:51	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/13/25 12:51	1

Client Sample ID: HD-QC3-0/1-2
Lab Sample ID: 410-245374-13

Date Collected: 10/01/25 00:00
Matrix: Water
Date Received: 10/03/25 16:45

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*10/13/25 12:51*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/13/25 12:51*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*10/13/25 12:51*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/13/25 12:51*	*1*

Client Sample ID: HD-COLE STEEL MW-12 0/1-0
Lab Sample ID: 410-245374-14

Date Collected: 10/03/25 07:42
Matrix: Water
Date Received: 10/03/25 16:45

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			10/16/25 16:57	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/16/25 16:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/16/25 16:57	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/16/25 16:57	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/16/25 16:57	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/16/25 16:57	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/16/25 16:57	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/16/25 16:57	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/16/25 16:57	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/16/25 16:57	1
2-Hexanone	ND		10	0.85	ug/L			10/16/25 16:57	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/16/25 16:57	1
Acetone	ND		20	0.70	ug/L			10/16/25 16:57	1
Benzene	ND		1.0	0.30	ug/L			10/16/25 16:57	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/16/25 16:57	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/16/25 16:57	1
Bromoform	ND		4.0	1.0	ug/L			10/16/25 16:57	1
Bromomethane	ND		1.0	0.30	ug/L			10/16/25 16:57	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/16/25 16:57	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/16/25 16:57	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/16/25 16:57	1
Chloroethane	ND		1.0	0.30	ug/L			10/16/25 16:57	1
Chloroform	ND		1.0	0.30	ug/L			10/16/25 16:57	1
Chloromethane	ND		2.0	0.55	ug/L			10/16/25 16:57	1
cis-1,2-Dichloroethene	**12**		1.0	0.30	ug/L			10/16/25 16:57	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/16/25 16:57	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/16/25 16:57	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/16/25 16:57	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/16/25 16:57	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/16/25 16:57	1
Styrene	ND		5.0	0.30	ug/L			10/16/25 16:57	1
Tetrachloroethene	**0.60**	**J**	1.0	0.30	ug/L			10/16/25 16:57	1
Toluene	ND		1.0	0.30	ug/L			10/16/25 16:57	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/16/25 16:57	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/16/25 16:57	1
Trichloroethene	**10**		1.0	0.30	ug/L			10/16/25 16:57	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/16/25 16:57	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/16/25 16:57	1

Client Sample ID: HD-COLE STEEL MW-12 0/1-0
Lab Sample ID: 410-245374-14
Date Collected: 10/03/25 07:42
Matrix: Water
Date Received: 10/03/25 16:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		10/16/25 16:57	1
4-Bromofluorobenzene (Surr)	99		80 - 120		10/16/25 16:57	1
Dibromofluoromethane (Surr)	107		80 - 120		10/16/25 16:57	1
Toluene-d8 (Surr)	99		80 - 120		10/16/25 16:57	1

Default Detection Limits

Client: Verdantas
Job ID: 410-245374-1
Project/Site: 2025 Comprehensive Sampling

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

General Chemistry

Analyte	RL	MDL
Cyanide, Available	0.0020 mg/L	0.0016 mg/L

General Chemistry

Prep: 9012B

Analyte	RL	MDL
Cyanide, Total	0.010 mg/L	0.0080 mg/L

Surrogate Summary

Client: Verdantas
Job ID: 410-245374-1
Project/Site: 2025 Comprehensive Sampling

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)
410-245374-1	HD-MW-143S-0/1-0	105	98	99	107
410-245374-2	HD-MW-143D-0/1-0	104	97	100	107
410-245374-3	HD-GM-1D-0/1-0	106	97	101	105
410-245374-4	HD-MW-43D-0/1-0	101	105	99	101
410-245374-5	HD-MW-142D-0/1-0	102	103	100	100
410-245374-6	HD-MW-150-0/1-0	101	103	100	100
410-245374-7	HD-COLE-D-0/1-0	100	103	101	103
410-245374-8	HD-MW-110-0/1-0	101	102	101	101
410-245374-9	HD-MW-18D-0/1-0	106	97	101	106
410-245374-10	HD-MW-69-0/1-0	102	105	94	108
410-245374-11	HD-MW-2-0/1-0	106	100	103	100
410-245374-12	HD-MW-111-0/1-0	104	99	105	100
410-245374-13	HD-QC3-0/1-2	103	100	97	106
410-245374-14	HD-COLE STEEL MW-12 0/1-0	106	99	107	99
LCS 410-712932/4	Lab Control Sample	99	99	91	111
LCS 410-713456/4	Lab Control Sample	101	100	97	102
LCS 410-714112/5	Lab Control Sample	98	106	90	112
LCS 410-714809/5	Lab Control Sample	101	102	98	101
LCSD 410-712932/5	Lab Control Sample Dup	100	99	94	112
LCSD 410-713456/5	Lab Control Sample Dup	100	100	97	102
LCSD 410-714809/6	Lab Control Sample Dup	100	101	98	100
MB 410-712932/7	Method Blank	103	101	96	109
MB 410-713456/7	Method Blank	102	102	101	101
MB 410-714112/7	Method Blank	98	106	92	112
MB 410-714809/10	Method Blank	102	102	100	98

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 410-712932/7
Matrix: Water
Analysis Batch: 712932

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			10/13/25 12:11	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/13/25 12:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/13/25 12:11	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/13/25 12:11	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/13/25 12:11	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/13/25 12:11	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/13/25 12:11	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/13/25 12:11	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/13/25 12:11	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/13/25 12:11	1
2-Hexanone	ND		10	0.85	ug/L			10/13/25 12:11	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/13/25 12:11	1
Acetone	ND		20	0.70	ug/L			10/13/25 12:11	1
Benzene	ND		1.0	0.30	ug/L			10/13/25 12:11	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/13/25 12:11	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/13/25 12:11	1
Bromoform	ND		4.0	1.0	ug/L			10/13/25 12:11	1
Bromomethane	ND		1.0	0.30	ug/L			10/13/25 12:11	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/13/25 12:11	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/13/25 12:11	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/13/25 12:11	1
Chloroethane	ND		1.0	0.30	ug/L			10/13/25 12:11	1
Chloroform	ND		1.0	0.30	ug/L			10/13/25 12:11	1
Chloromethane	ND		2.0	0.55	ug/L			10/13/25 12:11	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/13/25 12:11	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/13/25 12:11	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/13/25 12:11	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/13/25 12:11	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/13/25 12:11	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/13/25 12:11	1
Styrene	ND		5.0	0.30	ug/L			10/13/25 12:11	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/13/25 12:11	1
Toluene	ND		1.0	0.30	ug/L			10/13/25 12:11	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/13/25 12:11	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/13/25 12:11	1
Trichloroethene	ND		1.0	0.30	ug/L			10/13/25 12:11	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/13/25 12:11	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/13/25 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*10/13/25 12:11*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/13/25 12:11*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*10/13/25 12:11*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*10/13/25 12:11*	*1*

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

Lab Sample ID: LCS 410-712932/4
Matrix: Water
Analysis Batch: 712932

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	21.0		ug/L		105	79 - 120
1,1,1-Trichloroethane	20.0	18.4		ug/L		92	73 - 120
1,1,2,2-Tetrachloroethane	20.0	26.8	*+	ug/L		134	72 - 120
1,1,2-Trichloroethane	20.0	22.5		ug/L		112	80 - 120
1,1-Dichloroethane	20.0	22.7		ug/L		114	80 - 120
1,1-Dichloroethene	20.0	20.4		ug/L		102	80 - 131
1,2-Dibromoethane (EDB)	20.0	20.2		ug/L		101	77 - 120
1,2-Dichloroethane	20.0	18.1		ug/L		91	73 - 124
1,2-Dichloropropane	20.0	22.9		ug/L		114	80 - 120
2-Butanone (MEK)	250	264		ug/L		106	59 - 135
2-Hexanone	250	293		ug/L		117	56 - 135
4-Methyl-2-pentanone (MIBK)	250	260		ug/L		104	62 - 133
Acetone	250	270		ug/L		108	57 - 143
Benzene	20.0	21.4		ug/L		107	80 - 120
Bromochloromethane	20.0	18.2		ug/L		91	80 - 120
Bromodichloromethane	20.0	18.7		ug/L		93	71 - 120
Bromoform	20.0	17.6		ug/L		88	51 - 120
Bromomethane	20.0	19.6		ug/L		98	53 - 128
Carbon disulfide	20.0	21.8		ug/L		109	65 - 128
Carbon tetrachloride	20.0	16.8		ug/L		84	64 - 134
Chlorobenzene	20.0	20.4		ug/L		102	80 - 120
Chloroethane	20.0	22.5		ug/L		112	55 - 123
Chloroform	20.0	19.1		ug/L		95	80 - 120
Chloromethane	20.0	21.6		ug/L		108	39 - 134
cis-1,2-Dichloroethene	20.0	20.2		ug/L		101	80 - 125
cis-1,3-Dichloropropene	20.0	18.1		ug/L		91	75 - 120
Dibromochloromethane	20.0	19.0		ug/L		95	71 - 120
Ethylbenzene	20.0	21.5		ug/L		107	80 - 120
Methyl tert-butyl ether	20.0	19.0		ug/L		95	69 - 122
Methylene Chloride	20.0	22.1		ug/L		111	80 - 120
Styrene	20.0	20.1		ug/L		101	80 - 120
Tetrachloroethene	20.0	17.6		ug/L		88	80 - 120
Toluene	20.0	22.4		ug/L		112	80 - 120
trans-1,2-Dichloroethene	20.0	19.6		ug/L		98	80 - 126
trans-1,3-Dichloropropene	20.0	22.0		ug/L		110	67 - 120
Trichloroethene	20.0	18.3		ug/L		91	80 - 120
Vinyl chloride	20.0	22.3		ug/L		111	56 - 120
Xylenes, Total	60.0	62.7		ug/L		105	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*91*		*80 - 120*
Toluene-d8 (Surr)	*111*		*80 - 120*

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

Lab Sample ID: LCSD 410-712932/5
Matrix: Water
Analysis Batch: 712932

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	21.4		ug/L		107	79 - 120	2	30
1,1,1-Trichloroethane			20.0	19.2		ug/L		96	73 - 120	4	30
1,1,2,2-Tetrachloroethane			20.0	26.7	*+	ug/L		133	72 - 120	1	30
1,1,2-Trichloroethane			20.0	23.1		ug/L		116	80 - 120	3	30
1,1-Dichloroethane			20.0	22.9		ug/L		114	80 - 120	1	30
1,1-Dichloroethene			20.0	21.0		ug/L		105	80 - 131	3	30
1,2-Dibromoethane (EDB)			20.0	21.0		ug/L		105	77 - 120	4	30
1,2-Dichloroethane			20.0	18.6		ug/L		93	73 - 124	3	30
1,2-Dichloropropane			20.0	22.3		ug/L		111	80 - 120	3	30
2-Butanone (MEK)			250	265		ug/L		106	59 - 135	0	30
2-Hexanone			250	298		ug/L		119	56 - 135	2	30
4-Methyl-2-pentanone (MIBK)			250	265		ug/L		106	62 - 133	2	30
Acetone			250	270		ug/L		108	57 - 143	0	30
Benzene			20.0	21.8		ug/L		109	80 - 120	2	30
Bromochloromethane			20.0	18.7		ug/L		94	80 - 120	3	30
Bromodichloromethane			20.0	19.0		ug/L		95	71 - 120	2	30
Bromoform			20.0	18.6		ug/L		93	51 - 120	5	30
Bromomethane			20.0	20.4		ug/L		102	53 - 128	4	30
Carbon disulfide			20.0	22.8		ug/L		114	65 - 128	5	30
Carbon tetrachloride			20.0	17.7		ug/L		89	64 - 134	5	30
Chlorobenzene			20.0	20.4		ug/L		102	80 - 120	0	30
Chloroethane			20.0	23.1		ug/L		115	55 - 123	3	30
Chloroform			20.0	19.5		ug/L		97	80 - 120	2	30
Chloromethane			20.0	23.3		ug/L		116	39 - 134	7	30
cis-1,2-Dichloroethene			20.0	20.7		ug/L		104	80 - 125	3	30
cis-1,3-Dichloropropene			20.0	18.6		ug/L		93	75 - 120	3	30
Dibromochloromethane			20.0	19.5		ug/L		97	71 - 120	3	30
Ethylbenzene			20.0	21.6		ug/L		108	80 - 120	1	30
Methyl tert-butyl ether			20.0	20.5		ug/L		103	69 - 122	8	30
Methylene Chloride			20.0	22.0		ug/L		110	80 - 120	0	30
Styrene			20.0	20.2		ug/L		101	80 - 120	0	30
Tetrachloroethene			20.0	18.0		ug/L		90	80 - 120	2	30
Toluene			20.0	22.4		ug/L		112	80 - 120	0	30
trans-1,2-Dichloroethene			20.0	20.8		ug/L		104	80 - 126	6	30
trans-1,3-Dichloropropene			20.0	22.1		ug/L		111	67 - 120	0	30
Trichloroethene			20.0	18.5		ug/L		92	80 - 120	1	30
Vinyl chloride			20.0	22.9		ug/L		114	56 - 120	3	30
Xylenes, Total			60.0	63.7		ug/L		106	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*94*		*80 - 120*
Toluene-d8 (Surr)	*112*		*80 - 120*

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

Lab Sample ID: MB 410-713456/7
Matrix: Water
Analysis Batch: 713456

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			10/14/25 11:28	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/14/25 11:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/14/25 11:28	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/14/25 11:28	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/14/25 11:28	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/14/25 11:28	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/14/25 11:28	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/14/25 11:28	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/14/25 11:28	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/14/25 11:28	1
2-Hexanone	ND		10	0.85	ug/L			10/14/25 11:28	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/14/25 11:28	1
Acetone	ND		20	0.70	ug/L			10/14/25 11:28	1
Benzene	ND		1.0	0.30	ug/L			10/14/25 11:28	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/14/25 11:28	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/14/25 11:28	1
Bromoform	ND		4.0	1.0	ug/L			10/14/25 11:28	1
Bromomethane	ND		1.0	0.30	ug/L			10/14/25 11:28	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/14/25 11:28	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/14/25 11:28	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/14/25 11:28	1
Chloroethane	ND		1.0	0.30	ug/L			10/14/25 11:28	1
Chloroform	ND		1.0	0.30	ug/L			10/14/25 11:28	1
Chloromethane	ND		2.0	0.55	ug/L			10/14/25 11:28	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/14/25 11:28	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/14/25 11:28	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/14/25 11:28	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/14/25 11:28	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/14/25 11:28	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/14/25 11:28	1
Styrene	ND		5.0	0.30	ug/L			10/14/25 11:28	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/14/25 11:28	1
Toluene	ND		1.0	0.30	ug/L			10/14/25 11:28	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/14/25 11:28	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/14/25 11:28	1
Trichloroethene	ND		1.0	0.30	ug/L			10/14/25 11:28	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/14/25 11:28	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/14/25 11:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*10/14/25 11:28*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/14/25 11:28*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*10/14/25 11:28*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/14/25 11:28*	*1*

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

Lab Sample ID: LCS 410-713456/4
Matrix: Water
Analysis Batch: 713456

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	18.4		ug/L		92	79 - 120
1,1,1-Trichloroethane	20.0	17.7		ug/L		88	73 - 120
1,1,2,2-Tetrachloroethane	20.0	18.6		ug/L		93	72 - 120
1,1,2-Trichloroethane	20.0	18.1		ug/L		91	80 - 120
1,1-Dichloroethane	20.0	17.7		ug/L		89	80 - 120
1,1-Dichloroethene	20.0	17.6		ug/L		88	80 - 131
1,2-Dibromoethane (EDB)	20.0	18.2		ug/L		91	77 - 120
1,2-Dichloroethane	20.0	17.6		ug/L		88	73 - 124
1,2-Dichloropropane	20.0	18.2		ug/L		91	80 - 120
2-Butanone (MEK)	250	238		ug/L		95	59 - 135
2-Hexanone	250	287		ug/L		115	56 - 135
4-Methyl-2-pentanone (MIBK)	250	261		ug/L		104	62 - 133
Acetone	250	220		ug/L		88	57 - 143
Benzene	20.0	17.7		ug/L		89	80 - 120
Bromochloromethane	20.0	17.3		ug/L		86	80 - 120
Bromodichloromethane	20.0	17.3		ug/L		87	71 - 120
Bromoform	20.0	17.4		ug/L		87	51 - 120
Bromomethane	20.0	14.7		ug/L		74	53 - 128
Carbon disulfide	20.0	16.3		ug/L		81	65 - 128
Carbon tetrachloride	20.0	17.4		ug/L		87	64 - 134
Chlorobenzene	20.0	17.9		ug/L		89	80 - 120
Chloroethane	20.0	14.0		ug/L		70	55 - 123
Chloroform	20.0	17.5		ug/L		87	80 - 120
Chloromethane	20.0	15.5		ug/L		77	39 - 134
cis-1,2-Dichloroethene	20.0	17.7		ug/L		88	80 - 125
cis-1,3-Dichloropropene	20.0	17.0		ug/L		85	75 - 120
Dibromochloromethane	20.0	17.3		ug/L		86	71 - 120
Ethylbenzene	20.0	18.5		ug/L		93	80 - 120
Methyl tert-butyl ether	20.0	17.4		ug/L		87	69 - 122
Methylene Chloride	20.0	17.7		ug/L		88	80 - 120
Styrene	20.0	18.6		ug/L		93	80 - 120
Tetrachloroethene	20.0	17.5		ug/L		88	80 - 120
Toluene	20.0	18.0		ug/L		90	80 - 120
trans-1,2-Dichloroethene	20.0	17.0		ug/L		85	80 - 126
trans-1,3-Dichloropropene	20.0	18.4		ug/L		92	67 - 120
Trichloroethene	20.0	17.2		ug/L		86	80 - 120
Vinyl chloride	20.0	15.7		ug/L		78	56 - 120
Xylenes, Total	60.0	55.4		ug/L		92	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: LCSD 410-713456/5
Matrix: Water
Analysis Batch: 713456

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	18.5		ug/L		92	79 - 120	0	30
1,1,1-Trichloroethane			20.0	17.4		ug/L		87	73 - 120	1	30
1,1,2,2-Tetrachloroethane			20.0	17.6		ug/L		88	72 - 120	6	30
1,1,2-Trichloroethane			20.0	18.1		ug/L		90	80 - 120	0	30
1,1-Dichloroethane			20.0	17.7		ug/L		88	80 - 120	0	30
1,1-Dichloroethene			20.0	17.3		ug/L		86	80 - 131	2	30
1,2-Dibromoethane (EDB)			20.0	17.9		ug/L		89	77 - 120	1	30
1,2-Dichloroethane			20.0	17.5		ug/L		87	73 - 124	1	30
1,2-Dichloropropane			20.0	18.0		ug/L		90	80 - 120	1	30
2-Butanone (MEK)			250	234		ug/L		93	59 - 135	2	30
2-Hexanone			250	281		ug/L		112	56 - 135	2	30
4-Methyl-2-pentanone (MIBK)			250	255		ug/L		102	62 - 133	2	30
Acetone			250	220		ug/L		88	57 - 143	0	30
Benzene			20.0	17.6		ug/L		88	80 - 120	1	30
Bromochloromethane			20.0	17.4		ug/L		87	80 - 120	1	30
Bromodichloromethane			20.0	17.1		ug/L		86	71 - 120	1	30
Bromoform			20.0	17.0		ug/L		85	51 - 120	3	30
Bromomethane			20.0	14.3		ug/L		71	53 - 128	3	30
Carbon disulfide			20.0	16.1		ug/L		81	65 - 128	1	30
Carbon tetrachloride			20.0	17.2		ug/L		86	64 - 134	1	30
Chlorobenzene			20.0	17.7		ug/L		88	80 - 120	1	30
Chloroethane			20.0	13.8		ug/L		69	55 - 123	2	30
Chloroform			20.0	17.4		ug/L		87	80 - 120	1	30
Chloromethane			20.0	15.1		ug/L		75	39 - 134	2	30
cis-1,2-Dichloroethene			20.0	17.7		ug/L		89	80 - 125	0	30
cis-1,3-Dichloropropene			20.0	17.0		ug/L		85	75 - 120	0	30
Dibromochloromethane			20.0	16.9		ug/L		85	71 - 120	2	30
Ethylbenzene			20.0	18.3		ug/L		91	80 - 120	1	30
Methyl tert-butyl ether			20.0	17.1		ug/L		85	69 - 122	2	30
Methylene Chloride			20.0	17.6		ug/L		88	80 - 120	0	30
Styrene			20.0	18.3		ug/L		92	80 - 120	1	30
Tetrachloroethene			20.0	17.6		ug/L		88	80 - 120	0	30
Toluene			20.0	18.1		ug/L		90	80 - 120	0	30
trans-1,2-Dichloroethene			20.0	16.9		ug/L		84	80 - 126	1	30
trans-1,3-Dichloropropene			20.0	18.2		ug/L		91	67 - 120	1	30
Trichloroethene			20.0	17.3		ug/L		86	80 - 120	0	30
Vinyl chloride			20.0	15.5		ug/L		78	56 - 120	1	30
Xylenes, Total			60.0	55.2		ug/L		92	80 - 120	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: MB 410-714112/7
Matrix: Water
Analysis Batch: 714112

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			10/15/25 13:15	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/15/25 13:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/15/25 13:15	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/15/25 13:15	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/15/25 13:15	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/15/25 13:15	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/15/25 13:15	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/15/25 13:15	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/15/25 13:15	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/15/25 13:15	1
2-Hexanone	ND		10	0.85	ug/L			10/15/25 13:15	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/15/25 13:15	1
Acetone	ND		20	0.70	ug/L			10/15/25 13:15	1
Benzene	ND		1.0	0.30	ug/L			10/15/25 13:15	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/15/25 13:15	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/15/25 13:15	1
Bromoform	ND		4.0	1.0	ug/L			10/15/25 13:15	1
Bromomethane	ND		1.0	0.30	ug/L			10/15/25 13:15	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/15/25 13:15	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/15/25 13:15	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/15/25 13:15	1
Chloroethane	ND		1.0	0.30	ug/L			10/15/25 13:15	1
Chloroform	ND		1.0	0.30	ug/L			10/15/25 13:15	1
Chloromethane	ND		2.0	0.55	ug/L			10/15/25 13:15	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/15/25 13:15	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/15/25 13:15	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/15/25 13:15	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/15/25 13:15	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/15/25 13:15	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/15/25 13:15	1
Styrene	ND		5.0	0.30	ug/L			10/15/25 13:15	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/15/25 13:15	1
Toluene	ND		1.0	0.30	ug/L			10/15/25 13:15	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/15/25 13:15	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/15/25 13:15	1
Trichloroethene	ND		1.0	0.30	ug/L			10/15/25 13:15	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/15/25 13:15	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/15/25 13:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*10/15/25 13:15*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*10/15/25 13:15*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*10/15/25 13:15*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*10/15/25 13:15*	*1*

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

Lab Sample ID: LCS 410-714112/5
Matrix: Water
Analysis Batch: 714112

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	18.6		ug/L		93	79 - 120
1,1,1-Trichloroethane	20.0	17.2		ug/L		86	73 - 120
1,1,2,2-Tetrachloroethane	20.0	25.0	*+	ug/L		125	72 - 120
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	80 - 120
1,1-Dichloroethane	20.0	20.6		ug/L		103	80 - 120
1,1-Dichloroethene	20.0	18.8		ug/L		94	80 - 131
1,2-Dibromoethane (EDB)	20.0	18.4		ug/L		92	77 - 120
1,2-Dichloroethane	20.0	17.3		ug/L		87	73 - 124
1,2-Dichloropropane	20.0	20.5		ug/L		103	80 - 120
2-Butanone (MEK)	250	251		ug/L		100	59 - 135
2-Hexanone	250	284		ug/L		113	56 - 135
4-Methyl-2-pentanone (MIBK)	250	249		ug/L		100	62 - 133
Acetone	250	254		ug/L		102	57 - 143
Benzene	20.0	19.8		ug/L		99	80 - 120
Bromochloromethane	20.0	16.4		ug/L		82	80 - 120
Bromodichloromethane	20.0	17.5		ug/L		87	71 - 120
Bromoform	20.0	16.3		ug/L		82	51 - 120
Bromomethane	20.0	19.2		ug/L		96	53 - 128
Carbon disulfide	20.0	20.5		ug/L		102	65 - 128
Carbon tetrachloride	20.0	15.8		ug/L		79	64 - 134
Chlorobenzene	20.0	18.7		ug/L		93	80 - 120
Chloroethane	20.0	21.8		ug/L		109	55 - 123
Chloroform	20.0	17.6		ug/L		88	80 - 120
Chloromethane	20.0	21.7		ug/L		108	39 - 134
cis-1,2-Dichloroethene	20.0	18.4		ug/L		92	80 - 125
cis-1,3-Dichloropropene	20.0	17.6		ug/L		88	75 - 120
Dibromochloromethane	20.0	17.0		ug/L		85	71 - 120
Ethylbenzene	20.0	21.3		ug/L		107	80 - 120
Methyl tert-butyl ether	20.0	18.2		ug/L		91	69 - 122
Methylene Chloride	20.0	20.2		ug/L		101	80 - 120
Styrene	20.0	19.4		ug/L		97	80 - 120
Tetrachloroethene	20.0	16.3		ug/L		82	80 - 120
Toluene	20.0	21.0		ug/L		105	80 - 120
trans-1,2-Dichloroethene	20.0	18.5		ug/L		92	80 - 126
trans-1,3-Dichloropropene	20.0	20.6		ug/L		103	67 - 120
Trichloroethene	20.0	16.8		ug/L		84	80 - 120
Vinyl chloride	20.0	22.2		ug/L		111	56 - 120
Xylenes, Total	60.0	60.6		ug/L		101	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*90*		*80 - 120*
Toluene-d8 (Surr)	*112*		*80 - 120*

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

Lab Sample ID: MB 410-714809/10
Matrix: Water
Analysis Batch: 714809

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			10/16/25 11:21	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/16/25 11:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/16/25 11:21	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/16/25 11:21	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/16/25 11:21	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/16/25 11:21	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/16/25 11:21	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/16/25 11:21	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/16/25 11:21	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/16/25 11:21	1
2-Hexanone	ND		10	0.85	ug/L			10/16/25 11:21	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/16/25 11:21	1
Acetone	ND		20	0.70	ug/L			10/16/25 11:21	1
Benzene	ND		1.0	0.30	ug/L			10/16/25 11:21	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/16/25 11:21	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/16/25 11:21	1
Bromoform	ND		4.0	1.0	ug/L			10/16/25 11:21	1
Bromomethane	ND		1.0	0.30	ug/L			10/16/25 11:21	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/16/25 11:21	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/16/25 11:21	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/16/25 11:21	1
Chloroethane	ND		1.0	0.30	ug/L			10/16/25 11:21	1
Chloroform	ND		1.0	0.30	ug/L			10/16/25 11:21	1
Chloromethane	ND		2.0	0.55	ug/L			10/16/25 11:21	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/16/25 11:21	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/16/25 11:21	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/16/25 11:21	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/16/25 11:21	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/16/25 11:21	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/16/25 11:21	1
Styrene	ND		5.0	0.30	ug/L			10/16/25 11:21	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/16/25 11:21	1
Toluene	ND		1.0	0.30	ug/L			10/16/25 11:21	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/16/25 11:21	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/16/25 11:21	1
Trichloroethene	ND		1.0	0.30	ug/L			10/16/25 11:21	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/16/25 11:21	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/16/25 11:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*10/16/25 11:21*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/16/25 11:21*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/16/25 11:21*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/16/25 11:21*	*1*

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

Lab Sample ID: LCS 410-714809/5
Matrix: Water
Analysis Batch: 714809

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	20.0		ug/L		100	79 - 120
1,1,1-Trichloroethane	20.0	19.4		ug/L		97	73 - 120
1,1,2,2-Tetrachloroethane	20.0	19.7		ug/L		98	72 - 120
1,1,2-Trichloroethane	20.0	19.7		ug/L		98	80 - 120
1,1-Dichloroethane	20.0	20.1		ug/L		100	80 - 120
1,1-Dichloroethene	20.0	19.2		ug/L		96	80 - 131
1,2-Dibromoethane (EDB)	20.0	19.3		ug/L		97	77 - 120
1,2-Dichloroethane	20.0	19.7		ug/L		99	73 - 124
1,2-Dichloropropane	20.0	19.8		ug/L		99	80 - 120
2-Butanone (MEK)	250	263		ug/L		105	59 - 135
2-Hexanone	250	312		ug/L		125	56 - 135
4-Methyl-2-pentanone (MIBK)	250	280		ug/L		112	62 - 133
Acetone	250	242		ug/L		97	57 - 143
Benzene	20.0	19.7		ug/L		99	80 - 120
Bromochloromethane	20.0	18.8		ug/L		94	80 - 120
Bromodichloromethane	20.0	18.8		ug/L		94	71 - 120
Bromoform	20.0	18.2		ug/L		91	51 - 120
Bromomethane	20.0	14.5		ug/L		73	53 - 128
Carbon disulfide	20.0	18.5		ug/L		92	65 - 128
Carbon tetrachloride	20.0	19.5		ug/L		97	64 - 134
Chlorobenzene	20.0	19.3		ug/L		97	80 - 120
Chloroethane	20.0	15.4		ug/L		77	55 - 123
Chloroform	20.0	19.1		ug/L		96	80 - 120
Chloromethane	20.0	16.2		ug/L		81	39 - 134
cis-1,2-Dichloroethene	20.0	19.6		ug/L		98	80 - 125
cis-1,3-Dichloropropene	20.0	18.3		ug/L		92	75 - 120
Dibromochloromethane	20.0	18.0		ug/L		90	71 - 120
Ethylbenzene	20.0	20.1		ug/L		100	80 - 120
Methyl tert-butyl ether	20.0	18.5		ug/L		93	69 - 122
Methylene Chloride	20.0	19.7		ug/L		98	80 - 120
Styrene	20.0	20.0		ug/L		100	80 - 120
Tetrachloroethene	20.0	18.8		ug/L		94	80 - 120
Toluene	20.0	19.7		ug/L		98	80 - 120
trans-1,2-Dichloroethene	20.0	18.9		ug/L		95	80 - 126
trans-1,3-Dichloropropene	20.0	19.9		ug/L		99	67 - 120
Trichloroethene	20.0	19.2		ug/L		96	80 - 120
Vinyl chloride	20.0	16.0		ug/L		80	56 - 120
Xylenes, Total	60.0	59.5		ug/L		99	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: LCSD 410-714809/6
Matrix: Water
Analysis Batch: 714809

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	19.8		ug/L		99	79 - 120	1	30
1,1,1-Trichloroethane			20.0	19.7		ug/L		99	73 - 120	2	30
1,1,2,2-Tetrachloroethane			20.0	19.0		ug/L		95	72 - 120	4	30
1,1,2-Trichloroethane			20.0	19.1		ug/L		96	80 - 120	3	30
1,1-Dichloroethane			20.0	20.0		ug/L		100	80 - 120	0	30
1,1-Dichloroethene			20.0	19.5		ug/L		97	80 - 131	1	30
1,2-Dibromoethane (EDB)			20.0	19.3		ug/L		96	77 - 120	0	30
1,2-Dichloroethane			20.0	19.4		ug/L		97	73 - 124	2	30
1,2-Dichloropropane			20.0	19.6		ug/L		98	80 - 120	1	30
2-Butanone (MEK)			250	256		ug/L		102	59 - 135	3	30
2-Hexanone			250	302		ug/L		121	56 - 135	3	30
4-Methyl-2-pentanone (MIBK)			250	277		ug/L		111	62 - 133	1	30
Acetone			250	231		ug/L		92	57 - 143	5	30
Benzene			20.0	19.7		ug/L		98	80 - 120	0	30
Bromochloromethane			20.0	18.5		ug/L		93	80 - 120	1	30
Bromodichloromethane			20.0	18.3		ug/L		92	71 - 120	3	30
Bromoform			20.0	17.6		ug/L		88	51 - 120	3	30
Bromomethane			20.0	14.9		ug/L		74	53 - 128	2	30
Carbon disulfide			20.0	18.3		ug/L		92	65 - 128	1	30
Carbon tetrachloride			20.0	19.8		ug/L		99	64 - 134	2	30
Chlorobenzene			20.0	19.0		ug/L		95	80 - 120	2	30
Chloroethane			20.0	14.9		ug/L		74	55 - 123	4	30
Chloroform			20.0	19.2		ug/L		96	80 - 120	0	30
Chloromethane			20.0	16.9		ug/L		85	39 - 134	5	30
cis-1,2-Dichloroethene			20.0	19.5		ug/L		98	80 - 125	0	30
cis-1,3-Dichloropropene			20.0	18.3		ug/L		91	75 - 120	0	30
Dibromochloromethane			20.0	17.7		ug/L		89	71 - 120	2	30
Ethylbenzene			20.0	19.9		ug/L		100	80 - 120	1	30
Methyl tert-butyl ether			20.0	18.8		ug/L		94	69 - 122	1	30
Methylene Chloride			20.0	19.6		ug/L		98	80 - 120	0	30
Styrene			20.0	19.7		ug/L		99	80 - 120	1	30
Tetrachloroethene			20.0	18.8		ug/L		94	80 - 120	0	30
Toluene			20.0	19.4		ug/L		97	80 - 120	1	30
trans-1,2-Dichloroethene			20.0	19.2		ug/L		96	80 - 126	1	30
trans-1,3-Dichloropropene			20.0	19.4		ug/L		97	67 - 120	2	30
Trichloroethene			20.0	19.0		ug/L		95	80 - 120	1	30
Vinyl chloride			20.0	16.5		ug/L		82	56 - 120	3	30
Xylenes, Total			60.0	59.5		ug/L		99	80 - 120	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 410-714110/2-A
Matrix: Water
Analysis Batch: 714526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 714110

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0080	mg/L		10/15/25 08:05	10/15/25 15:29	1

Lab Sample ID: LCS 410-714110/1-A
Matrix: Water
Analysis Batch: 714526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 714110

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.189		mg/L		95	85 - 115

Method: OIA - 1677 - Available Cyanide by Flow Injection, Lig

Lab Sample ID: MB 180-504550/30
Matrix: Water
Analysis Batch: 504550

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Available	ND		0.0020	0.0016	mg/L			10/14/25 14:09	1

Lab Sample ID: LCS 180-504550/31
Matrix: Water
Analysis Batch: 504550

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Available	0.0501	0.0479		mg/L		96	82 - 132

QC Association Summary

Client: Verdantas
Job ID: 410-245374-1
Project/Site: 2025 Comprehensive Sampling

GC/MS VOA

Analysis Batch: 712932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-245374-1	HD-MW-143S-0/1-0	Total/NA	Water	8260D	
410-245374-2	HD-MW-143D-0/1-0	Total/NA	Water	8260D	
410-245374-3	HD-GM-1D-0/1-0	Total/NA	Water	8260D	
410-245374-9	HD-MW-18D-0/1-0	Total/NA	Water	8260D	
410-245374-13	HD-QC3-0/1-2	Total/NA	Water	8260D	
MB 410-712932/7	Method Blank	Total/NA	Water	8260D	
LCS 410-712932/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-712932/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 713456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-245374-4	HD-MW-43D-0/1-0	Total/NA	Water	8260D	
410-245374-5	HD-MW-142D-0/1-0	Total/NA	Water	8260D	
410-245374-6	HD-MW-150-0/1-0	Total/NA	Water	8260D	
410-245374-7	HD-COLE-D-0/1-0	Total/NA	Water	8260D	
410-245374-8	HD-MW-110-0/1-0	Total/NA	Water	8260D	
MB 410-713456/7	Method Blank	Total/NA	Water	8260D	
LCS 410-713456/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-713456/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 714112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-245374-10	HD-MW-69-0/1-0	Total/NA	Water	8260D	
MB 410-714112/7	Method Blank	Total/NA	Water	8260D	
LCS 410-714112/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 714809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-245374-11	HD-MW-2-0/1-0	Total/NA	Water	8260D	
410-245374-12	HD-MW-111-0/1-0	Total/NA	Water	8260D	
410-245374-14	HD-COLE STEEL MW-12 0/1-0	Total/NA	Water	8260D	
MB 410-714809/10	Method Blank	Total/NA	Water	8260D	
LCS 410-714809/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-714809/6	Lab Control Sample Dup	Total/NA	Water	8260D	

General Chemistry

Analysis Batch: 504550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-245374-11	HD-MW-2-0/1-0	Total/NA	Water	OIA - 1677	
MB 180-504550/30	Method Blank	Total/NA	Water	OIA - 1677	
LCS 180-504550/31	Lab Control Sample	Total/NA	Water	OIA - 1677	

Prep Batch: 714110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-245374-11	HD-MW-2-0/1-0	Total/NA	Water	9012B	
MB 410-714110/2-A	Method Blank	Total/NA	Water	9012B	
LCS 410-714110/1-A	Lab Control Sample	Total/NA	Water	9012B	

QC Association Summary

Client: Verdantas
Job ID: 410-245374-1
Project/Site: 2025 Comprehensive Sampling

General Chemistry

Analysis Batch: 714526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-245374-11	HD-MW-2-0/1-0	Total/NA	Water	9012B	714110
MB 410-714110/2-A	Method Blank	Total/NA	Water	9012B	714110
LCS 410-714110/1-A	Lab Control Sample	Total/NA	Water	9012B	714110

Lab Chronicle

Client: Verdantas
Job ID: 410-245374-1
Project/Site: 2025 Comprehensive Sampling

Client Sample ID: HD-MW-143S-0/1-0
Lab Sample ID: 410-245374-1
Date Collected: 10/01/25 10:40
Matrix: Water
Date Received: 10/03/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	712932	DVW2	ELLE	10/13/25 18:07

Client Sample ID: HD-MW-143D-0/1-0
Lab Sample ID: 410-245374-2
Date Collected: 10/01/25 11:35
Matrix: Water
Date Received: 10/03/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	712932	DVW2	ELLE	10/13/25 18:26

Client Sample ID: HD-GM-1D-0/1-0
Lab Sample ID: 410-245374-3
Date Collected: 10/02/25 09:25
Matrix: Water
Date Received: 10/03/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	712932	DVW2	ELLE	10/13/25 18:46

Client Sample ID: HD-MW-43D-0/1-0
Lab Sample ID: 410-245374-4
Date Collected: 10/02/25 13:35
Matrix: Water
Date Received: 10/03/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	713456	TQ4J	ELLE	10/14/25 19:30

Client Sample ID: HD-MW-142D-0/1-0
Lab Sample ID: 410-245374-5
Date Collected: 10/02/25 14:05
Matrix: Water
Date Received: 10/03/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	713456	TQ4J	ELLE	10/14/25 19:52

Client Sample ID: HD-MW-150-0/1-0
Lab Sample ID: 410-245374-6
Date Collected: 10/02/25 11:40
Matrix: Water
Date Received: 10/03/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	713456	TQ4J	ELLE	10/14/25 20:14

Client Sample ID: HD-COLE-D-0/1-0
Lab Sample ID: 410-245374-7
Date Collected: 10/02/25 13:00
Matrix: Water
Date Received: 10/03/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	713456	TQ4J	ELLE	10/14/25 20:36

Client Sample ID: HD-MW-110-0/1-0
Lab Sample ID: 410-245374-8
Date Collected: 10/02/25 14:00
Matrix: Water
Date Received: 10/03/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	713456	TQ4J	ELLE	10/14/25 20:59

Client Sample ID: HD-MW-18D-0/1-0
Lab Sample ID: 410-245374-9
Date Collected: 10/01/25 14:32
Matrix: Water
Date Received: 10/03/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	712932	DVW2	ELLE	10/13/25 19:06

Client Sample ID: HD-MW-69-0/1-0
Lab Sample ID: 410-245374-10
Date Collected: 10/02/25 14:22
Matrix: Water
Date Received: 10/03/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	714112	TQ4J	ELLE	10/15/25 21:05

Client Sample ID: HD-MW-2-0/1-0
Lab Sample ID: 410-245374-11
Date Collected: 10/03/25 11:20
Matrix: Water
Date Received: 10/03/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	714809	TQ4J	ELLE	10/16/25 16:12
Total/NA	Prep	9012B			714110	NLE3	ELLE	10/15/25 08:05 - 10/15/25 09:50 [1]
Total/NA	Analysis	9012B		1	714526	P684	ELLE	10/15/25 15:40
Total/NA	Analysis	OIA - 1677		1	504550	RAO	EET PIT	10/14/25 14:20

Client Sample ID: HD-MW-111-0/1-0
Lab Sample ID: 410-245374-12
Date Collected: 10/03/25 12:43
Matrix: Water
Date Received: 10/03/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	714809	TQ4J	ELLE	10/16/25 16:34

Client Sample ID: HD-QC3-0/1-2
Lab Sample ID: 410-245374-13
Date Collected: 10/01/25 00:00
Matrix: Water
Date Received: 10/03/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	712932	DVW2	ELLE	10/13/25 12:51

Client Sample ID: HD-COLE STEEL MW-12 0/1-0
Lab Sample ID: 410-245374-14
Date Collected: 10/03/25 07:42
Matrix: Water
Date Received: 10/03/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	714809	TQ4J	ELLE	10/16/25 16:57

Lab Chronicle

Client: Verdantas Job ID: 410-245374-1

Project/Site: 2025 Comprehensive Sampling

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

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

Accreditation/Certification Summary

Client: Verdantas
Job ID: 410-245374-1
Project/Site: 2025 Comprehensive Sampling

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

Laboratory: Eurofins Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00690	06-28-25 *
California	State	2891	04-30-26
Connecticut	State	PH-0820	09-30-26
Florida	NELAP	E871008	06-30-25 *
Georgia	State	PA 02-00416	04-30-26
Illinois	NELAP	200005	07-31-25 *
Kansas	NELAP	E-10350	01-31-26
Kentucky (UST)	State	162013	04-30-26
Kentucky (WW)	State	KY98043	12-31-25
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-25 *
Maine	State	PA00164	03-06-26
Minnesota	NELAP	042-999-482	12-31-25
New Hampshire	NELAP	2030	04-04-26
New Jersey	NELAP	PA005	06-30-25 *
New York	NELAP	11182	03-31-26
North Carolina (WW/SW)	State	434	12-31-25
North Dakota	State	R-227	04-30-24 *
Oregon	NELAP	PA-2151	02-06-26
Pennsylvania	NELAP	02-00416	04-30-26
Rhode Island	State	LAO00375	12-30-25
South Carolina	State	89014	04-30-25 *
Texas	NELAP	T104704528	03-31-26
US Fish & Wildlife	US Federal Programs	A21930	04-30-26
USDA	US Federal Programs	P330-16-00211	04-11-26
Utah	NELAP	PA001462024-14	03-31-24 *
Virginia	NELAP	460189	09-14-25 *
West Virginia DEP	State	142	01-31-26
Wisconsin	State	998027800	08-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Verdantas
Job ID: 410-245374-1
Project/Site: 2025 Comprehensive Sampling

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
9012B	Cyanide, Total andor Amenable	SW846	ELLE
OIA - 1677	Available Cyanide by Flow Injection, Lig	EPA	EET PIT
5030C	Purge and Trap	SW846	ELLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	ELLE

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

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

Sample Summary

Client: Verdantas
Job ID: 410-245374-1
Project/Site: 2025 Comprehensive Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-245374-1	HD-MW-143S-0/1-0	Water	10/01/25 10:40	10/03/25 16:45	Pennsylvania
410-245374-2	HD-MW-143D-0/1-0	Water	10/01/25 11:35	10/03/25 16:45	Pennsylvania
410-245374-3	HD-GM-1D-0/1-0	Water	10/02/25 09:25	10/03/25 16:45	Pennsylvania
410-245374-4	HD-MW-43D-0/1-0	Water	10/02/25 13:35	10/03/25 16:45	Pennsylvania
410-245374-5	HD-MW-142D-0/1-0	Water	10/02/25 14:05	10/03/25 16:45	Pennsylvania
410-245374-6	HD-MW-150-0/1-0	Water	10/02/25 11:40	10/03/25 16:45	Pennsylvania
410-245374-7	HD-COLE-D-0/1-0	Water	10/02/25 13:00	10/03/25 16:45	Pennsylvania
410-245374-8	HD-MW-110-0/1-0	Water	10/02/25 14:00	10/03/25 16:45	Pennsylvania
410-245374-9	HD-MW-18D-0/1-0	Water	10/01/25 14:32	10/03/25 16:45	Pennsylvania
410-245374-10	HD-MW-69-0/1-0	Water	10/02/25 14:22	10/03/25 16:45	Pennsylvania
410-245374-11	HD-MW-2-0/1-0	Water	10/03/25 11:20	10/03/25 16:45	Pennsylvania
410-245374-12	HD-MW-111-0/1-0	Water	10/03/25 12:43	10/03/25 16:45	Pennsylvania
410-245374-13	HD-QC3-0/1-2	Water	10/01/25 00:00	10/03/25 16:45	Pennsylvania
410-245374-14	HD-COLE STEEL MW-12 0/1-0	Water	10/03/25 07:42	10/03/25 16:45	Pennsylvania

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 7159 Analysis Batch Number: 702728

Lab Sample ID: IC 410-702728/3 Client Sample ID:

Date Analyzed: 09/22/25 15:13 Lab File ID: NS22X03.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorotrifluoroethene	1.99	Incomplete Integration	JS6E	09/22/25 18:28
Chlorodifluoromethane	2.04	Incomplete Integration	JS6E	09/22/25 18:28
Freon 133a	2.43	Incomplete Integration	JS6E	09/22/25 18:28
Acetonitrile	4.22	Incomplete Integration	JS6E	09/22/25 18:28

Lab Sample ID: IC 410-702728/4 Client Sample ID:

Date Analyzed: 09/22/25 15:33 Lab File ID: NS22X04.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorotrifluoroethene	1.97	Incomplete Integration	JS6E	09/22/25 18:27
Chlorodifluoromethane	2.03	Incomplete Integration	JS6E	09/22/25 18:27
Freon 133a	2.43	Incomplete Integration	JS6E	09/22/25 18:27
Acetonitrile	4.23	Incomplete Integration	JS6E	09/22/25 18:27

Lab Sample ID: IC 410-702728/5 Client Sample ID:

Date Analyzed: 09/22/25 15:53 Lab File ID: NS22X05.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorotrifluoroethene	1.99	Incomplete Integration	JS6E	09/22/25 18:25
Acetonitrile	4.23	Incomplete Integration	JS6E	09/22/25 18:25
t-Butyl alcohol-d10 (IS)	4.53	Incomplete Integration	JS6E	09/22/25 18:25

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 7159 Analysis Batch Number: 702728

Lab Sample ID: IC 410-702728/6 Client Sample ID:

Date Analyzed: 09/22/25 16:12 Lab File ID: NS22X06.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 133a	2.44	Incomplete Integration	JS6E	09/22/25 17:40
Acetonitrile	4.23	Incomplete Integration	JS6E	09/22/25 17:41
t-Butyl alcohol-d10 (IS)	4.53	Incomplete Integration	JS6E	09/22/25 17:40

Lab Sample ID: IC 410-702728/8 Client Sample ID:

Date Analyzed: 09/22/25 16:52 Lab File ID: NS22X08.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	4.53	Incomplete Integration	JS6E	09/22/25 17:37

Lab Sample ID: IC 410-702728/14 Client Sample ID:

Date Analyzed: 09/22/25 18:51 Lab File ID: NS22X14.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.27	Incomplete Integration	UKAD	09/22/25 21:32
Freon 113	3.80	Incomplete Integration	UKAD	09/22/25 21:32
Allyl chloride	4.28	Other	UKEK	09/23/25 09:01
n-Hexane	5.35	Other	UKEK	09/23/25 09:01
1,1-Dichloroethane	5.59	Other	UKEK	09/23/25 09:02
Ethyl t-butyl ether	6.18	Other	UKEK	09/23/25 09:02
cis-1,2-Dichloroethene	6.43	Peak assignment corrected	UKAD	09/22/25 21:33
2,2-Dichloropropane	6.44	Peak assignment corrected	UKAD	09/22/25 21:33
Methacrylonitrile	6.71	Incomplete Integration	UKAD	09/22/25 21:33
Cyclohexane	7.22	Peak assignment corrected	UKAD	09/22/25 21:33
Trichloroethene	8.47	Peak assignment corrected	UKAD	09/22/25 21:33
1,2-Dichloropropane	8.80	Incomplete Integration	UKAD	09/22/25 21:33
1,2,3-Trichloropropane	12.48	Peak assignment corrected	UKAD	09/22/25 21:33

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 7159 Analysis Batch Number: 702728

Lab Sample ID: IC 410-702728/15 Client Sample ID:

Date Analyzed: 09/22/25 19:10 Lab File ID: NS22X15.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	2.24	Peak assignment corrected	UKAD	09/22/25 21:29
Trichlorofluoromethane	3.15	Incomplete Integration	UKAD	09/22/25 21:29
Ethanol	3.34	Incomplete Integration	JS6E	09/23/25 04:23
Freon 113	3.81	Peak assignment corrected	UKAD	09/22/25 21:30
Methyl acetate	4.27	Incomplete Integration	UKAD	09/22/25 21:30
Allyl chloride	4.28	Incomplete Integration	UKAD	09/22/25 21:30
trans-1,2-Dichloroethene	4.92	Incomplete Integration	UKAD	09/22/25 21:30
2-Chloro-1,3-butadiene	5.70	Peak assignment corrected	UKAD	09/22/25 21:30
Ethyl t-butyl ether	6.18	Other	UKEK	09/23/25 09:06
2,2-Dichloropropane	6.45	Peak assignment corrected	UKAD	09/22/25 21:30
Bromochloromethane	6.76	Peak assignment corrected	UKAD	09/22/25 21:30
Cyclohexane	7.22	Peak assignment corrected	UKAD	09/22/25 21:30
Benzene	7.59	Incomplete Integration	UKAD	09/22/25 21:24
t-Amyl methyl ether	7.78	Incomplete Integration	UKAD	09/22/25 21:31
Trichloroethene	8.46	Peak assignment corrected	UKAD	09/22/25 21:31
1,1,2-Trichloroethane	10.47	Incomplete Integration	UKAD	09/22/25 21:31

Lab Sample ID: ICIS 410-702728/16 Client Sample ID:

Date Analyzed: 09/22/25 19:30 Lab File ID: NS22X16.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.33	Incomplete Integration	UKAD	09/22/25 21:28
2-Butanone (MEK)	6.40	Peak assignment corrected	UKAD	09/22/25 21:28
2,2-Dichloropropane	6.44	Peak assignment corrected	UKAD	09/22/25 21:28
Methacrylonitrile	6.71	Incomplete Integration	UKAD	09/22/25 21:29
t-Amyl methyl ether	7.79	Peak assignment corrected	UKAD	09/22/25 23:21

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 7159 Analysis Batch Number: 702728

Lab Sample ID: IC 410-702728/17 Client Sample ID:

Date Analyzed: 09/22/25 19:50 Lab File ID: NS22X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	4.49	Peak assignment corrected	UKAD	09/22/25 21:27
Methacrylonitrile	6.71	Peak assignment corrected	UKAD	09/22/25 21:27
Carbon tetrachloride	7.33	Peak assignment corrected	UKAD	09/22/25 21:27
t-Amyl methyl ether	7.79	Peak assignment corrected	UKAD	09/22/25 21:27

Lab Sample ID: IC 410-702728/18 Client Sample ID:

Date Analyzed: 09/22/25 20:10 Lab File ID: NS22X18.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Amyl methyl ether	7.79	Peak assignment corrected	UKAD	09/22/25 21:25
Trichloroethene	8.47	Peak assignment corrected	UKAD	09/22/25 21:26
1,2,3-Trichloropropane	12.48	Peak assignment corrected	UKAD	09/22/25 21:26

Lab Sample ID: ICV 410-702728/20 Client Sample ID:

Date Analyzed: 09/22/25 20:50 Lab File ID: NS22X20.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.27	Incomplete Integration	JS6E	09/23/25 04:26
Methylene Chloride	4.49	Incomplete Integration	JS6E	09/23/25 04:26
n-Hexane	5.35	Incomplete Integration	JS6E	09/23/25 04:26
Methacrylonitrile	6.71	Incomplete Integration	JS6E	09/23/25 04:26
t-Amyl methyl ether	7.78	Incomplete Integration	JS6E	09/23/25 04:27
1,4-Dioxane	8.89	Incomplete Integration	JS6E	09/23/25 04:27
1,2,3-Trichloropropane	12.47	Incomplete Integration	JS6E	09/23/25 04:27

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 7159 Analysis Batch Number: 702728

Lab Sample ID: IC 410-702728/12 Client Sample ID:

Date Analyzed: 09/22/25 22:39 Lab File ID: NS22X22.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.34	Incomplete Integration	JS6E	09/23/25 04:16
Chloroethane	2.80	Incomplete Integration	UKAD	09/22/25 23:14
Trichlorofluoromethane	3.13	Incomplete Integration	UKAD	09/22/25 23:15
Freon 123a	3.50	Incomplete Integration	UKAD	09/22/25 23:15
1,1-Dichloroethene	3.74	Incomplete Integration	UKAD	09/22/25 23:15
Freon 113	3.78	Incomplete Integration	UKAD	09/22/25 23:15
2-Propanol	3.99	Incomplete Integration	JS6E	09/23/25 04:15
Methyl acetate	4.25	Incomplete Integration	JS6E	09/23/25 04:15
Allyl chloride	4.28	Incomplete Integration	UKAD	09/22/25 23:15
Methylene Chloride	4.48	Incomplete Integration	UKAD	09/22/25 23:15
t-Butyl alcohol	4.70	Incomplete Integration	UKAD	09/22/25 23:15
Acrylonitrile	4.85	Incomplete Integration	UKAD	09/22/25 23:15
Methyl tert-butyl ether	4.91	Incomplete Integration	UKAD	09/22/25 23:15
trans-1,2-Dichloroethene	4.92	Incomplete Integration	UKAD	09/22/25 23:15
n-Hexane	5.35	Incomplete Integration	UKAD	09/22/25 23:15
1,1-Dichloroethane	5.59	Incomplete Integration	UKAD	09/22/25 23:16
2-Chloro-1,3-butadiene	5.69	Incomplete Integration	UKAD	09/22/25 23:16
Ethyl t-butyl ether	6.17	Incomplete Integration	UKAD	09/22/25 23:16
2-Butanone (MEK)	6.38	Incomplete Integration	JS6E	09/23/25 04:15
2,2-Dichloropropane	6.43	Incomplete Integration	JS6E	09/23/25 04:15
cis-1,2-Dichloroethene	6.43	Incomplete Integration	JS6E	09/23/25 04:15
Propionitrile	6.48	Incomplete Integration	JS6E	09/23/25 04:15
Methyl acrylate	6.52	Incomplete Integration	JS6E	09/23/25 04:17
Methacrylonitrile	6.70	Incomplete Integration	UKAD	09/22/25 23:16
Bromochloromethane	6.75	Incomplete Integration	JS6E	09/23/25 04:15
Tetrahydrofuran	6.77	Incomplete Integration	JS6E	09/23/25 04:15
Chloroform	6.89	Incomplete Integration	JS6E	09/23/25 04:15
Carbon tetrachloride	7.31	Incomplete Integration	JS6E	09/23/25 04:16
Isobutyl alcohol	7.51	Incomplete Integration	UKAD	09/22/25 23:16

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 7159 Analysis Batch Number: 702728

Lab Sample ID: IC 410-702728/12 Client Sample ID:

Date Analyzed: 09/22/25 22:39 Lab File ID: NS22X22.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzene	7.59	Incomplete Integration	UKAD	09/22/25 23:16
t-Amyl methyl ether	7.78	Incomplete Integration	UKAD	09/22/25 23:16
Trichloroethene	8.45	Incomplete Integration	JS6E	09/23/25 04:16
1,2-Dichloropropane	8.79	Incomplete Integration	UKAD	09/22/25 23:16
1,4-Dioxane	8.90	Incomplete Integration	JS6E	09/23/25 04:16
2-Chloroethyl vinyl ether	9.48	Incomplete Integration	UKAD	09/22/25 23:16
trans-1,3-Dichloropropene	10.26	Incomplete Integration	UKAD	09/22/25 23:17
1,1,2-Trichloroethane	10.46	Incomplete Integration	UKAD	09/22/25 23:17
1,3-Dichloropropane	10.62	Incomplete Integration	UKAD	09/22/25 23:17
1,2,3-Trichloropropane	12.47	Incomplete Integration	JS6E	09/23/25 04:16
4-Chlorotoluene	12.68	Other	UKEK	09/23/25 09:30
tert-Butylbenzene	12.87	Incomplete Integration	UKAD	09/22/25 23:17
1,4-Dichlorobenzene	13.21	Peak assignment corrected	UKAD	09/22/25 23:14

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 7159 Analysis Batch Number: 702728

Lab Sample ID: IC 410-702728/13 Client Sample ID:

Date Analyzed: 09/22/25 22:59 Lab File ID: NS22X23.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.28	Incomplete Integration	JS6E	09/23/25 04:17
Freon 123a	3.52	Incomplete Integration	JS6E	09/23/25 04:18
1,1-Dichloroethene	3.75	Incomplete Integration	JS6E	09/23/25 04:18
Freon 113	3.79	Incomplete Integration	JS6E	09/23/25 04:18
2-Propanol	4.00	Incomplete Integration	JS6E	09/23/25 04:18
Methyl acetate	4.26	Incomplete Integration	JS6E	09/23/25 04:18
Allyl chloride	4.29	Incomplete Integration	JS6E	09/23/25 04:18
Methylene Chloride	4.49	Incomplete Integration	JS6E	09/23/25 04:31
t-Butyl alcohol-d10 (IS)	4.52	Incomplete Integration	JS6E	09/23/25 04:18
t-Butyl alcohol	4.66	Incomplete Integration	JS6E	09/23/25 04:18
trans-1,2-Dichloroethene	4.92	Incomplete Integration	JS6E	09/23/25 04:19
n-Hexane	5.34	Incomplete Integration	JS6E	09/23/25 04:19
1,1-Dichloroethane	5.60	Incomplete Integration	JS6E	09/23/25 04:19
Isopropyl ether	5.66	Incomplete Integration	JS6E	09/23/25 04:19
2-Chloro-1,3-butadiene	5.69	Incomplete Integration	JS6E	09/23/25 04:19
Ethyl t-butyl ether	6.18	Incomplete Integration	JS6E	09/23/25 04:19
2-Butanone (MEK)	6.40	Incomplete Integration	JS6E	09/23/25 04:19
cis-1,2-Dichloroethene	6.42	Incomplete Integration	JS6E	09/23/25 04:20
2,2-Dichloropropane	6.45	Incomplete Integration	JS6E	09/23/25 04:20
Propionitrile	6.50	Incomplete Integration	JS6E	09/23/25 04:20
Methacrylonitrile	6.71	Incomplete Integration	JS6E	09/23/25 04:20
1,1,1-Trichloroethane	7.12	Incomplete Integration	JS6E	09/23/25 04:20
Benzene	7.60	Incomplete Integration	JS6E	09/23/25 04:20
t-Amyl methyl ether	7.77	Incomplete Integration	JS6E	09/23/25 04:20
Trichloroethene	8.47	Incomplete Integration	JS6E	09/23/25 04:20
1,2-Dichloropropane	8.80	Incomplete Integration	JS6E	09/23/25 04:20
1,3-Dichloropropane	10.62	Incomplete Integration	JS6E	09/23/25 04:21
1,2,3-Trichloropropane	12.47	Incomplete Integration	JS6E	09/23/25 04:21
tert-Butylbenzene	12.88	Incomplete Integration	JS6E	09/23/25 04:21

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 7159 Analysis Batch Number: 702728

Lab Sample ID: IC 410-702728/13 Client Sample ID:

Date Analyzed: 09/22/25 22:59 Lab File ID: NS22X23.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene	13.21	Incomplete Integration	JS6E	09/23/25 04:22

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 7159 Analysis Batch Number: 712932

Lab Sample ID: CCVIS 410-712932/3 Client Sample ID:

Date Analyzed: 10/13/25 10:52 Lab File ID: NC13X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 113	3.80	Incomplete Integration	DVW2	10/13/25 11:39
Allyl chloride	4.29	Incomplete Integration	DVW2	10/13/25 11:39
Methylene Chloride	4.49	Incomplete Integration	DVW2	10/13/25 11:39
1,1-Dichloroethane	5.59	Incomplete Integration	DVW2	10/13/25 11:39
Ethyl t-butyl ether	6.19	Incomplete Integration	DVW2	10/13/25 11:39
Propionitrile	6.50	Peak assignment corrected	DVW2	10/13/25 11:40
Methacrylonitrile	6.71	Peak assignment corrected	DVW2	10/13/25 11:40

Lab Sample ID: LCS 410-712932/4 Client Sample ID:

Date Analyzed: 10/13/25 11:12 Lab File ID: NC13X03.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	2.24	Peak assignment corrected	DVW2	10/13/25 11:47
Methylene Chloride	4.49	Incomplete Integration	DVW2	10/13/25 11:48
1,1-Dichloroethane	5.59	Incomplete Integration	DVW2	10/13/25 11:48

Lab Sample ID: LCSD 410-712932/5 Client Sample ID:

Date Analyzed: 10/13/25 11:32 Lab File ID: NC13X04.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	3.75	Incomplete Integration	DVW2	10/13/25 12:04
Methylene Chloride	4.49	Peak assignment corrected	DVW2	10/13/25 12:04
Methyl tert-butyl ether	4.91	Incomplete Integration	DVW2	10/13/25 12:04
trans-1,2-Dichloroethene	4.92	Incomplete Integration	DVW2	10/13/25 12:04
1,1-Dichloroethane	5.60	Incomplete Integration	DVW2	10/13/25 12:05
Chloroform	6.91	Incomplete Integration	DVW2	10/13/25 12:05
Trichloroethene	8.47	Incomplete Integration	DVW2	10/13/25 12:05

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 7159 Analysis Batch Number: 712932

Lab Sample ID: 410-245374-2 Client Sample ID: HD-MW-143D-0/1-0

Date Analyzed: 10/13/25 18:26 Lab File ID: NC13X25.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	6.43	Peak assignment corrected	FQ4L	10/14/25 10:37
Fluorobenzene (IS)	8.00	Incomplete Integration	FQ4L	10/14/25 10:36

Lab Sample ID: 410-245374-3 Client Sample ID: HD-GM-1D-0/1-0

Date Analyzed: 10/13/25 18:46 Lab File ID: NC13X26.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloroethene	10.55	Incomplete Integration	FQ4L	10/14/25 10:37

Lab Sample ID: 410-245374-9 Client Sample ID: HD-MW-18D-0/1-0

Date Analyzed: 10/13/25 19:06 Lab File ID: NC13X27.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	8.45	Incomplete Integration	FQ4L	10/14/25 10:38
Vinyl chloride		Invalid Compound ID	FQ4L	10/14/25 10:38

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 7159 Analysis Batch Number: 714112

Lab Sample ID: CCVIS 410-714112/4 Client Sample ID:

Date Analyzed: 10/15/25 12:15 Lab File ID: NC15X12.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	4.49	Peak assignment corrected	TQ4J	10/15/25 12:50
Isopropyl ether	5.65	Incomplete Integration	TQ4J	10/15/25 12:50
Methacrylonitrile	6.70	Peak assignment corrected	TQ4J	10/15/25 12:50
Carbon tetrachloride	7.32	Peak assignment corrected	TQ4J	10/15/25 12:50
1,2-Dichloropropane	8.80	Incomplete Integration	TQ4J	10/15/25 12:51
1,4-Dioxane	8.90	Split Peak	D9QF	10/16/25 09:21

Lab Sample ID: LCS 410-714112/5 Client Sample ID:

Date Analyzed: 10/15/25 12:35 Lab File ID: NC15X13.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	3.74	Incomplete Integration	TQ4J	10/15/25 14:11
Methylene Chloride	4.49	Incomplete Integration	TQ4J	10/15/25 14:11
Methyl tert-butyl ether	4.91	Incomplete Integration	TQ4J	10/15/25 14:11
Trichloroethene	8.47	Incomplete Integration	TQ4J	10/15/25 14:12

Lab Sample ID: 410-245374-10 Client Sample ID: HD-MW-69-0/1-0

Date Analyzed: 10/15/25 21:05 Lab File ID: NC15X35.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	6.42	Peak assignment corrected	D9QF	10/16/25 10:00
Trichloroethene	8.46	Incomplete Integration	N9NA	10/16/25 10:40

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 713065

Lab Sample ID: IC 410-713065/3 Client Sample ID:

Date Analyzed: 10/13/25 14:23 Lab File ID: LC13X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl acetate	6.00	Incomplete Integration	Y6ZN	10/13/25 16:38
Isopropyl acetate	7.25	Baseline	Y6ZN	10/13/25 16:38

Lab Sample ID: IC 410-713065/12 Client Sample ID:

Date Analyzed: 10/13/25 17:45 Lab File ID: LC13X11.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 123a	3.20	Incomplete Integration	UCB5	10/14/25 09:58
2-Propanol	3.63	Incomplete Integration	UKAD	10/13/25 21:02
2-Chloro-1,3-butadiene	5.20	Incomplete Integration	UKAD	10/13/25 21:02
Ethyl t-butyl ether	5.67	Incomplete Integration	UKAD	10/13/25 21:02
2-Butanone (MEK)	5.95	Incomplete Integration	UKAD	10/13/25 21:02
2,2-Dichloropropane	5.96	Incomplete Integration	UKAD	10/13/25 21:02
Methyl acrylate	6.08	Incomplete Integration	UKAD	10/13/25 21:03
Tetrahydrofuran	6.30	Incomplete Integration	UKAD	10/13/25 21:14
Ethyl acrylate	8.15	Incomplete Integration	UKAD	10/13/25 21:03
2-Chloroethyl vinyl ether	9.08	Incomplete Integration	UKAD	10/13/25 21:03
1-Chlorohexane	11.06	Incomplete Integration	UKAD	10/13/25 21:03
n-Butyl acrylate	11.57	Incomplete Integration	UKAD	10/13/25 21:03

Lab Sample ID: IC 410-713065/13 Client Sample ID:

Date Analyzed: 10/13/25 18:07 Lab File ID: LC13X12.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acrylate	6.05	Incomplete Integration	UKAD	10/13/25 21:01
Isobutyl alcohol	7.11	Incomplete Integration	UKAD	10/13/25 21:16
n-Butanol	7.99	Incomplete Integration	UKAD	10/13/25 21:17

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 713065

Lab Sample ID: IC 410-713065/14 Client Sample ID:

Date Analyzed: 10/13/25 18:29 Lab File ID: LC13X13.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	8.00	Incomplete Integration	UKAD	10/13/25 21:19
2-Chloroethyl vinyl ether	9.08	Incomplete Integration	UKAD	10/13/25 20:59

Lab Sample ID: IC 410-713065/15 Client Sample ID:

Date Analyzed: 10/13/25 18:52 Lab File ID: LC13X14.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol	4.20	Incomplete Integration	UKAD	10/13/25 20:58

Lab Sample ID: ICIS 410-713065/16 Client Sample ID:

Date Analyzed: 10/13/25 19:14 Lab File ID: LC13X15.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol	4.22	Incomplete Integration	UKAD	10/13/25 20:57

Lab Sample ID: IC 410-713065/17 Client Sample ID:

Date Analyzed: 10/13/25 19:37 Lab File ID: LC13X16.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol	4.22	Incomplete Integration	UKAD	10/13/25 20:56

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 713065

Lab Sample ID: IC 410-713065/18 Client Sample ID:

Date Analyzed: 10/13/25 19:59 Lab File ID: LC13X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol	4.22	Incomplete Integration	UKAD	10/13/25 20:54
Methyl tert-butyl ether	4.43	Incomplete Integration	UKAD	10/13/25 20:55
1,4-Dioxane	8.46	Incomplete Integration	UKAD	10/13/25 20:55

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 713456

Lab Sample ID: 410-245374-4 Client Sample ID: HD-MW-43D-0/1-0

Date Analyzed: 10/14/25 19:30 Lab File ID: LC14X23.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	FQ4L	10/15/25 10:09
Chloroethane		Invalid Compound ID	FQ4L	10/15/25 10:08
trans-1,2-Dichloroethene		Invalid Compound ID	FQ4L	10/15/25 10:09

Lab Sample ID: 410-245374-5 Client Sample ID: HD-MW-142D-0/1-0

Date Analyzed: 10/14/25 19:52 Lab File ID: LC14X24.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane		Invalid Compound ID	FQ4L	10/15/25 10:09

Lab Sample ID: 410-245374-6 Client Sample ID: HD-MW-150-0/1-0

Date Analyzed: 10/14/25 20:14 Lab File ID: LC14X25.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane		Invalid Compound ID	FQ4L	10/15/25 10:10

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 714809

Lab Sample ID: 410-245374-11 Client Sample ID: HD-MW-2-0/1-0

Date Analyzed: 10/16/25 16:12 Lab File ID: LC16X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloroethane		Invalid Compound ID	QD9U	10/17/25 14:33

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_4ppbEE_00646	10/13/25	10/07/25	DI Water, Lot DI 25118	1000 mL	MSV_CCV_2CEVE_00249	4 uL	2-Chloroethyl vinyl ether	4 ug/L
					MSV_CCV_CYC_00012	32 uL	Cyclohexanone	200.004 ug/L
					MSV_CCV_EE_00009	4 uL	Ethyl ether	4.00133 ug/L
					MSV_CCV_GASES_01142	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_00256	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.: 410-245374-1

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.: 410-245374-1

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_00258	3.2 uL	Acrolein	39.0332 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_00010	0.8 uL	2-Ethylhexyl acrylate	4.00068 ug/L
							n-Butyl acrylate	4.00044 ug/L
							Ethyl acrylate	4.00192 ug/L
							Methyl acrylate	4.00113 ug/L
.MSV_CCV_2CEVE_00249	11/05/25	10/06/25	Methanol, Lot EJ274	5 mL	MSV_V_2CLEVE_00254	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00254	04/30/28		Restek, Lot A0225196		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_CYC_00012	12/12/25	06/12/25	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00015	9.828 mL	Cyclohexanone	6250.12 ug/mL
..MSV_VCYC_STK_00015	12/12/25	06/12/25	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00014	1.2719 g	Cyclohexanone	127190 ug/mL
...MSV_CYC_00014	02/28/29		Chem Service, Lot 16092200		(Purchased Reagent)		Cyclohexanone	1 g/g
.MSV_CCV_EE_00009	11/03/25	05/03/25	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00016	1.502 mL	Ethyl ether	1000.33 ug/mL
..MSV_EE_MISCSK_00016	11/03/25	05/03/25	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00013	0.333 g	Ethyl ether	33300 ug/mL
...MSV_EE_Neat_00013	06/30/27		Chem Service, Lot 15507600		(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_CCV_GASES_01142	10/13/25		Restek, Lot A0225685		(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_00256	11/05/25	10/06/25	Methanol, Lot EJ274	5 mL	MSV_MegaMIX#1_00253	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_MegaMix#2_00257	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_00253	11/05/25		Restek, Lot A0224890		(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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

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_00257	11/05/25		Restek, Lot A0226118		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

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_00258	10/25/25	10/06/25	Methanol, Lot EJ274	5 mL	MSV_CCV_ACR_00030	0.5 mL	Acrolein	12197.9 ug/mL
					MSV_V_Ketones_00247	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_00030	10/25/25	08/26/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00050	8.992 mL	Acrolein	121979 ug/mL
...MSV_VACR_STK_00050	10/25/25	08/26/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00045	1.4602 g	Acrolein	135653 ug/mL
....MSV_ACROLEIN_00045	07/31/27	Chem Service, Lot 16318500			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00247	02/28/28	Restek, Lot A0222253			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

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_00010	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00006	0.618 mL	2-Ethylhexyl acrylate	5000.86 ug/mL
					MSV_MStk_BAcr_00007	0.925 mL	n-Butyl acrylate	5000.55 ug/mL
					MSV_MStk_EtAc_00006	1.04 mL	Ethyl acrylate	5002.4 ug/mL
					MSV_MStk_MAcr_00006	1.063 mL	Methyl acrylate	5001.42 ug/mL
..MSV_MStk_2E6A_00006	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.8092 g	2-Ethylhexyl acrylate	80920 ug/mL
...MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
..MSV_MStk_BAcr_00007	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00007	0.5406 g	n-Butyl acrylate	54060 ug/mL
...MSV_nButylAcr_00007	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
..MSV_MStk_EtAc_00006	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00005	0.481 g	Ethyl acrylate	48100 ug/mL
...MSV_EthylAcry_00005	03/31/26		Chem Service, Lot 15464400		(Purchased Reagent)		Ethyl acrylate	1 g/g
..MSV_MStk_MAcr_00006	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00005	0.4705 g	Methyl acrylate	47050 ug/mL
...MSV_MethylAcr_00005	01/31/26		Chem Service, Lot 14862200		(Purchased Reagent)		Methyl acrylate	1 g/g
MSV_4ppbEtoh_00802	09/23/25	09/16/25	DI Water, Lot DI 25118	500 mL	MSV_CCV_2CEVE_00245	2 uL	2-Chloroethyl vinyl ether	4 ug/L
					MSV_CCV_CYC_00012	16 uL	Cyclohexanone	200.004 ug/L
					MSV_CCV_ETOH_00011	10 uL	Ethanol	249.983 ug/L
					MSV_CCV_GASES_01119	1 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_OH_Sp_00025	2 uL	2-Ethylhexyl acrylate	4.00068 ug/L
							n-Butyl acrylate	4.00044 ug/L
							Ethyl acrylate	4.00192 ug/L
							Methyl acrylate	4.00113 ug/L
					MSV_CCV_VOC#1_00251	2 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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00253	1.1 uL	Acrolein	26.8353 ug/L
							2-Butanone (MEK)	5.5 ug/L
							2-Hexanone	5.5 ug/L
							4-Methyl-2-pentanone (MIBK)	5.5 ug/L
							Acetone	5.5 ug/L
.MSV_CCV_2CEVE_00245	10/15/25	09/15/25	Methanol, Lot EJ274	5 mL	MSV_V_2CLEVE_00256	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00256	04/30/28		Restek, Lot A0225196		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_CYC_00012	12/12/25	06/12/25	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00015	9.828 mL	Cyclohexanone	6250.12 ug/mL
..MSV_VCYC_STK_00015	12/12/25	06/12/25	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00014	1.2719 g	Cyclohexanone	127190 ug/mL
...MSV_CYC_00014	02/28/29		Chem Service, Lot 16092200		(Purchased Reagent)		Cyclohexanone	1 g/g
.MSV_CCV_ETOH_00011	03/09/26	09/09/25	Methanol, Lot EH471	100 mL	MSV_VETOH_STK_00018	6.423 mL	Ethanol	12499.2 ug/mL
..MSV_VETOH_STK_00018	03/09/26	09/09/25	Methanol, Lot EH471	10 mL	MSV_EtOH_00051	1.946 g	Ethanol	194600 ug/mL
...MSV_EtOH_00051	01/31/30		Chem Service, Lot 15122500		(Purchased Reagent)		Ethanol	1 g/g
.MSV_CCV_GASES_01119	09/23/25		Restek, Lot A0225685		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_OH_Sp_00025	10/02/25	09/02/25	Methanol, Lot EH274	1 mL	MSV_V_Acr_Std_00010	200 uL	2-Ethylhexyl acrylate	1000.17 ug/mL
							n-Butyl acrylate	1000.11 ug/mL
							Ethyl acrylate	1000.48 ug/mL
							Methyl acrylate	1000.28 ug/mL
..MSV_V_Acr_Std_00010	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00006	0.618 mL	2-Ethylhexyl acrylate	5000.86 ug/mL
					MSV_MStk_BAcr_00007	0.925 mL	n-Butyl acrylate	5000.55 ug/mL
					MSV_MStk_EtAc_00006	1.04 mL	Ethyl acrylate	5002.4 ug/mL
					MSV_MStk_MAcr_00006	1.063 mL	Methyl acrylate	5001.42 ug/mL
...MSV_MStk_2E6A_00006	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.8092 g	2-Ethylhexyl acrylate	80920 ug/mL
....MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
...MSV_MStk_BAcr_00007	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00007	0.5406 g	n-Butyl acrylate	54060 ug/mL
....MSV_nButylAcr_00007	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
...MSV_MStk_EtAc_00006	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00005	0.481 g	Ethyl acrylate	48100 ug/mL
....MSV_EthylAcry_00005	03/31/26		Chem Service, Lot 15464400		(Purchased Reagent)		Ethyl acrylate	1 g/g
...MSV_MStk_MAcr_00006	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00005	0.4705 g	Methyl acrylate	47050 ug/mL
....MSV_MethylAcr_00005	01/31/26		Chem Service, Lot 14862200		(Purchased Reagent)		Methyl acrylate	1 g/g
.MSV_CCV_VOC#1_00251	10/02/25	09/02/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00247	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
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00255	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00247	10/02/25		Restek, Lot A0224890		(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
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00255	10/02/25		Restek, Lot A0226118		(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
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00253	10/02/25	09/02/25	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00030	0.5 mL	Acrolein	12197.9 ug/mL
					MSV_V_Ketones_00244	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_00030	10/25/25	08/26/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00050	8.992 mL	Acrolein	121979 ug/mL
...MSV_VACR_STK_00050	10/25/25	08/26/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00045	1.4602 g	Acrolein	135653 ug/mL
....MSV_ACROLEIN_00045	07/31/27	Chem Service, Lot 16318500			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00244	02/28/28	Restek, Lot A0222253			(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_4ppbEtoh_00808	10/21/25	10/14/25	DI Water, Lot DI 25118	1000 mL	MSV_CCV_GASES_01150	2 uL	Bromomethane	4 ug/L
							Chloroethane	4 ug/L
							Chloromethane	4 ug/L
							Vinyl chloride	4 ug/L
					MSV_CCV_VOC#1_00257	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
							1,2-Dibromoethane (EDB)	4 ug/L
							1,2-Dichloroethane	4 ug/L
							1,2-Dichloropropane	4 ug/L
							Benzene	4 ug/L
							Bromochloromethane	4 ug/L
							Bromodichloromethane	4 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	4 ug/L
							Carbon tetrachloride	4 ug/L
							Chlorobenzene	4 ug/L
							Chloroform	4 ug/L
							cis-1,2-Dichloroethene	4 ug/L
							cis-1,3-Dichloropropene	4 ug/L
							Dibromochloromethane	4 ug/L
							Ethylbenzene	4 ug/L
							Methylene Chloride	4 ug/L
							Styrene	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
							Carbon disulfide	4 ug/L
							Methyl tert-butyl ether	4 ug/L
					MSV_CCV_VOC#3_00259	3.2 uL	2-Butanone (MEK)	8 ug/L
							2-Hexanone	8 ug/L
							4-Methyl-2-pentanone (MIBK)	8 ug/L
							Acetone	8 ug/L
.MSV_CCV_GASES_01150	10/21/25		Restek, Lot A0225685		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MSV_CCV_VOC#1_00257	11/12/25	10/13/25	Methanol, Lot EJ274	5 mL	MSV_MegaMIX#1_00255	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
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00260	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
..MSV_MegaMIX#1_00255	11/12/25		Restek, Lot A0224890		(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_00260	11/12/25		Restek, Lot A0226118		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
.MSV_CCV_VOC#3_00259	10/25/25	10/13/25	Methanol, Lot EJ274	5 mL	MSV_V_Ketones_00250	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_00250	02/28/28		Restek, Lot A0222253		(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_2CEVE_00247	10/22/25	09/22/25	Methanol, Lot EJ274	5 mL	MSV_V_2CLEVE_00253	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_V_2CLEVE_00253	04/30/28		Restek, Lot A0225196		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_2CEVE_00250	11/12/25	10/13/25	Methanol, Lot EJ274	5 mL	MSV_V_2CLEVE_00263	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
.MSV_V_2CLEVE_00263	04/30/28		Restek, Lot A0225196		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_CYC_00012	12/12/25	06/12/25	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00015	9.828 mL	Cyclohexanone	6250.12 ug/mL
.MSV_VCYC_STK_00015	12/12/25	06/12/25	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00014	1.2719 g	Cyclohexanone	127190 ug/mL
..MSV_CYC_00014	02/28/29		Chem Service, Lot 16092200		(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_EE_00009	11/03/25	05/03/25	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00016	1.502 mL	Ethyl ether	1000.33 ug/mL
.MSV_EE_MISCSK_00016	11/03/25	05/03/25	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00013	0.333 g	Ethyl ether	33300 ug/mL
..MSV_EE_Neat_00013	06/30/27		Chem Service, Lot 15507600		(Purchased Reagent)		Ethyl ether	1 g/g
MSV_CCV_ETOH_00011	03/09/26	09/09/25	Methanol, Lot EH471	100 mL	MSV_VETOH_STK_00018	6.423 mL	Ethanol	12499.2 ug/mL
.MSV_VETOH_STK_00018	03/09/26	09/09/25	Methanol, Lot EH471	10 mL	MSV_EtOH_00051	1.946 g	Ethanol	194600 ug/mL
..MSV_EtOH_00051	01/31/30		Chem Service, Lot 15122500		(Purchased Reagent)		Ethanol	1 g/g
MSV_CCV_GASES_01120	10/22/25		Restek, Lot A0225685		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_GASES_01121	09/29/25		Restek, Lot A0225685		(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_01122	10/20/25		Restek, Lot A0225685		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_GASES_01144	10/14/25		Restek, Lot A0225685		(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_LKB_00014	03/03/26	09/03/25	Methanol, Lot EH471	50 mL	MSV_V234TCB_S_00010	4.878 mL	2,3,4-Trichlorobutene	1000.31 ug/mL
					MSV_V34D1B_SK_00016	0.592 mL	3,4-Dichloro-1-butene	1000.48 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_Vc14d_STK_00014	1.259 mL	cis-1,4-Dichloro-2-butene	999.898 ug/mL
.MSV_V234TCB_S_00010	03/03/26	09/03/25	Methanol, Lot EH471	10 mL	MSV_2,3,4TCB_00019	0.1085 g	2,3,4-Trichlorobutene	10253.3 ug/mL
..MSV_2,3,4TCB_00019	07/31/27		Chem Service, Lot 15568600		(Purchased Reagent)		2,3,4-Trichlorobutene	0.945 g/g
.MSV_V34D1B_SK_00016	03/03/26	09/03/25	Methanol, Lot EH471	10 mL	MSV_3,4DC1Be_00003	0.845 g	3,4-Dichloro-1-butene	84500 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_00014	03/03/26	09/03/25	Methanol, Lot EH471	10 mL	MSV_c14dcb_Nt_00005	0.418 g	cis-1,4-Dichloro-2-butene	39710 ug/mL
..MSV_c14dcb_Nt_00005	08/16/27		Aldrich, Lot SHBH4584V		(Purchased Reagent)		cis-1,4-Dichloro-2-butene	0.95 g/g
MSV_CCV_OH_Sp_00026	10/22/25	09/22/25	Methanol, Lot EH274	1 mL	MSV_V_Acr_Std_00010	200 uL	2-Ethylhexyl acrylate	1000.17 ug/mL
							n-Butyl acrylate	1000.11 ug/mL
							Ethyl acrylate	1000.48 ug/mL
							Methyl acrylate	1000.28 ug/mL
.MSV_V_Acr_Std_00010	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00006	0.618 mL	2-Ethylhexyl acrylate	5000.86 ug/mL
					MSV_MStk_BAcr_00007	0.925 mL	n-Butyl acrylate	5000.55 ug/mL
					MSV_MStk_EtAc_00006	1.04 mL	Ethyl acrylate	5002.4 ug/mL
					MSV_MStk_MAcr_00006	1.063 mL	Methyl acrylate	5001.42 ug/mL
..MSV_MStk_2E6A_00006	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.8092 g	2-Ethylhexyl acrylate	80920 ug/mL
...MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
..MSV_MStk_BAcr_00007	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00007	0.5406 g	n-Butyl acrylate	54060 ug/mL
...MSV_nButylAcr_00007	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
..MSV_MStk_EtAc_00006	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00005	0.481 g	Ethyl acrylate	48100 ug/mL
...MSV_EthylAcry_00005	03/31/26		Chem Service, Lot 15464400		(Purchased Reagent)		Ethyl acrylate	1 g/g
..MSV_MStk_MAcr_00006	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00005	0.4705 g	Methyl acrylate	47050 ug/mL
...MSV_MethylAcr_00005	01/31/26		Chem Service, Lot 14862200		(Purchased Reagent)		Methyl acrylate	1 g/g
MSV_CCV_OH_Sp_00027	11/08/25	10/09/25	Methanol, Lot EH274	1 mL	MSV_V_Acr_Std_00010	200 uL	2-Ethylhexyl acrylate	1000.17 ug/mL
							n-Butyl acrylate	1000.11 ug/mL
							Ethyl acrylate	1000.48 ug/mL
							Methyl acrylate	1000.28 ug/mL
.MSV_V_Acr_Std_00010	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00006	0.618 mL	2-Ethylhexyl acrylate	5000.86 ug/mL
					MSV_MStk_BAcr_00007	0.925 mL	n-Butyl acrylate	5000.55 ug/mL
					MSV_MStk_EtAc_00006	1.04 mL	Ethyl acrylate	5002.4 ug/mL
					MSV_MStk_MAcr_00006	1.063 mL	Methyl acrylate	5001.42 ug/mL
..MSV_MStk_2E6A_00006	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.8092 g	2-Ethylhexyl acrylate	80920 ug/mL
...MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
..MSV_MStk_BAcr_00007	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00007	0.5406 g	n-Butyl acrylate	54060 ug/mL
...MSV_nButylAcr_00007	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
..MSV_MStk_EtAc_00006	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00005	0.481 g	Ethyl acrylate	48100 ug/mL
...MSV_EthylAcry_00005	03/31/26		Chem Service, Lot 15464400		(Purchased Reagent)		Ethyl acrylate	1 g/g
..MSV_MStk_MAcr_00006	01/07/26	07/07/25	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00005	0.4705 g	Methyl acrylate	47050 ug/mL
...MSV_MethylAcr_00005	01/31/26		Chem Service, Lot 14862200		(Purchased Reagent)		Methyl acrylate	1 g/g
MSV_CCV_Penta_00072	10/18/25	09/22/25	Methanol, Lot EJ274	1 mL	MSV_V_PentaCL_00075	200 uL	Pentachloroethane	1000 ug/mL
.MSV_V_PentaCL_00075	10/18/25		Restek, Lot A0197490		(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_CCV_Penta_00073	10/18/25	09/30/25	Methanol, Lot EJ274	1 mL	MSV_V_PentaCL_00075	200 uL	Pentachloroethane	1000 ug/mL
.MSV_V_PentaCL_00075	10/18/25		Restek, Lot A0197490		(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_CCV_V5ACE_00054	10/10/25	09/10/25	Methanol, Lot EJ274	10 mL	MSV_AcetatesV_00095	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl acetate	1000 ug/mL
							n-Butyl acetate	1000 ug/mL
							n-Propyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00095	11/30/26		Restek, Lot A0225816		(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_V5ACE_00055	11/07/25	10/08/25	Methanol, Lot EJ274	10 mL	MSV_AcetatesV_00093	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_00093	11/07/25		Restek, Lot A0212300		(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_00254	10/22/25	09/22/25	Methanol, Lot EJ274	5 mL	MSV_MegaMIX#1_00251	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
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00253	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00251	10/22/25		Restek, Lot A0224890		(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
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00253	10/22/25		Restek, Lot A0226118		(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
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00257	11/12/25	10/13/25	Methanol, Lot EJ274	5 mL	MSV_MegaMIX#1_00255	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
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00260	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00255	11/12/25		Restek, Lot A0224890		(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
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00260	11/12/25		Restek, Lot A0226118		(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
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00256	10/22/25	09/22/25	Methanol, Lot EJ274	5 mL	MSV_CCV_ACR_00030	0.5 mL	Acrolein	12197.9 ug/mL
					MSV_V_Ketones_00249	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_00030	10/25/25	08/26/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00050	8.992 mL	Acrolein	121979 ug/mL
..MSV_VACR_STK_00050	10/25/25	08/26/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00045	1.4602 g	Acrolein	135653 ug/mL
...MSV_ACROLEIN_00045	07/31/27	Chem Service, Lot 16318500			(Purchased Reagent)		Acrolein	0.929 g/g
.MSV_V_Ketones_00249	02/28/28	Restek, Lot A0222253			(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_00259	10/25/25	10/13/25	Methanol, Lot EJ274	5 mL	MSV_CCV_ACR_00030	0.5 mL	Acrolein	12197.9 ug/mL
					MSV_V_Ketones_00250	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_00030	10/25/25	08/26/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00050	8.992 mL	Acrolein	121979 ug/mL
..MSV_VACR_STK_00050	10/25/25	08/26/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00045	1.4602 g	Acrolein	135653 ug/mL
...MSV_ACROLEIN_00045	07/31/27	Chem Service, Lot 16318500			(Purchased Reagent)		Acrolein	0.929 g/g
.MSV_V_Ketones_00250	02/28/28	Restek, Lot A0222253			(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_Cent_ISO_00012	02/24/26	09/02/25	Methanol, Lot EJ274	50 mL	MSV_Cus826_IS_00837	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_Cus826_IS_00837	02/24/26	Restek, Lot A0211699			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

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)	12500 ug/mL
MSV_Cent_ISSS_00044	12/29/25	07/25/25	Methanol, Lot EJ274	50 mL	MSV_8260_SS_01475	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
					MSV_Cus826_IS_00816	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_8260_SS_01475	01/25/26		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_Cus826_IS_00816	01/25/26		Restek, Lot A0211699		(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_Cent_ISSS_00045	02/28/26	08/29/25	Methanol, Lot EJ274	50 mL	MSV_Cus826_IS_00834	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_Cus826_IS_00834	05/31/27		Restek, Lot A0211699		(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_Cent_ISSS_00045	02/28/26	08/29/25	Methanol, Lot EJ274	50 mL	MSV_8260_SS_01524	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.MSV_8260_SS_01524	01/31/30		Restek, Lot A0221454		(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_HP23_ISO_00010	10/30/25	06/26/25	Methanol, Lot EH822	10 mL	MSV_Cus826_IS_00737	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_00737	10/31/26		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_HP23_ISSS_00017	10/30/25	04/30/25	Methanol, Lot EH822	10 mL	MSV_8260_SS_01430	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_Cus826_IS_00737	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_01430	10/31/29		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_Cus826_IS_00737	10/31/26		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_LCS_Gases_00272	10/20/25	10/13/25	Methanol, Lot EJ274	25 mL	MSV_QC_2K_GAS_00326	0.5 mL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00326	10/20/25		Restek, Lot A0225328		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LCS_VOC#1_00239	10/22/25	09/22/25	Methanol, Lot EJ274	25 mL	MSV_M_MIX1SEC_00288	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
							trans-1,3-Dichloropropene	40 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00292	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00301	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_00288	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
							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_00292	05/31/28		Restek, Lot A0225702		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00301	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_00244	11/12/25	10/13/25	Methanol, Lot EJ274	25 mL	MSV_M_MIX1SEC_00287	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

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)	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_00300	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00308	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_00287	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
							Dibromochloromethane	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00300	05/31/28		Restek, Lot A0225702		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00308	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_00316	09/29/25		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_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_00052	10/10/25		Restek, Lot A0197864		(Purchased Reagent)		2-Chloro-1,1,1-Trifluoroethane	2000 ug/mL
							Chlorodifluoromethane	2000 ug/mL
							Chlorotrifluoroethene	2000 ug/mL
MSV_V_SMFreon_00073	11/07/25		Restek, Lot A0197864		(Purchased Reagent)		2-Chloro-1,1,1-Trifluoroethane	2000 ug/mL
							Chlorodifluoromethane	2000 ug/mL
							Chlorotrifluoroethene	2000 ug/mL
WC-PR20mg/lQC_01493	10/16/25	10/15/25	Sodium Hyroxide, Lot in house	25 mL	WC_F_tcnlcssc_00006	0.5 mL	Cyanide, Total	20 mg/L
.WC_F_tcnlcssc_00006	12/02/26		Absoulte Standards, Lot 120224		(Purchased Reagent)		Cyanide, Total	1000 mg/L
WC_FL_CCVCN_00919	10/16/25	10/14/25	Sodium Hyroxide, Lot 31238	100 mL	WC_FL_Q_10 CN_00907	2 mL	Cyanide, Total	0.2 mg/L
.WC_FL_Q_10 CN_00907	10/16/25	10/14/25	NaOH, Lot 13347	50 mL	WC_FL_CNVeriS_00050	0.5 mL	Cyanide, Total	10 mg/L
..WC_FL_CNVeriS_00050	10/31/25		ricca, Lot 1504L85		(Purchased Reagent)		Cyanide, Total	1000 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 410-245374-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
WAvCN 50 ICV_00995	10/15/25	10/14/25	DI Water, Lot N/A	100 mL	WAvCN10Si_00813	0.5 mL	Cyanide, Available	50.0022 ppb
.WAvCN10Si_00813	03/30/26	10/07/25	DI Water, Lot DI Water	100 mL	WKCN_1000_Sec_00018	1 mL	Cyanide, Available	10.0004 mg/L
..WKCN_1000_Sec_00018	03/30/26	09/30/25	DI Water, Lot 3427834	250 mL	WKCN_ACS_00002	0.6257 g	Cyanide, Available	1000.04 mg/L
...WKCN_ACS_00002	11/05/29	Thermo Fisher, Lot 10240802			(Purchased Reagent)		Cyanide, Available	0.39957 g/g
WAvCN 50LCS_00907	10/15/25	10/14/25	DI Water, Lot N/A	100 mL	WHg210Pi_00860	0.5 mL	Cyanide, Available	50.058 ppb
.WHg210Pi_00860	03/30/26	10/07/25	DI Water, Lot DI water	100 mL	WHg2CN1000P_00057	1 mL	Cyanide, Available	10011.6 ug/L
..WHg2CN1000P_00057	03/30/26	09/30/25	DI Water, Lot DI Water	500 mL	WHg(II) CNP_00016	2.43 g	Cyanide, Available	1001.16 mg/L
...WHg(II) CNP_00016	11/24/26	Sigma-Aldrich, Lot SLBN7022V			(Purchased Reagent)		Cyanide, Available	0.206 g/g
WAvCN0.05 Std_01081	10/15/25	10/14/25	DI Water, Lot NA	20 mL	WAvCN0.2Std_01393	5 mL	Cyanide, Available	50.0022 ug/L
.WAvCN0.2Std_01393	10/15/25	10/14/25	DI Water, Lot NA	100 mL	WAvCN10Pi_00834	2 mL	Cyanide, Available	200.009 ug/L
..WAvCN10Pi_00834	03/30/26	10/07/25	DI Water, Lot DI Water	100 mL	WKCN_1000_Pri_00015	1 mL	Cyanide, Available	10000.4 ug/L
...WKCN_1000_Pri_00015	03/30/26	09/30/25	DI Water, Lot 3427834	250 mL	WKCN_ACS_P_00002	0.6257 g	Cyanide, Available	1000.04 mg/L
....WKCN_ACS_P_00002	06/24/29	Thermo scientific, Lot S24K028			(Purchased Reagent)		Cyanide, Available	0.39957 g/g

Reagent

MSV_2,3,4TCB_00019

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

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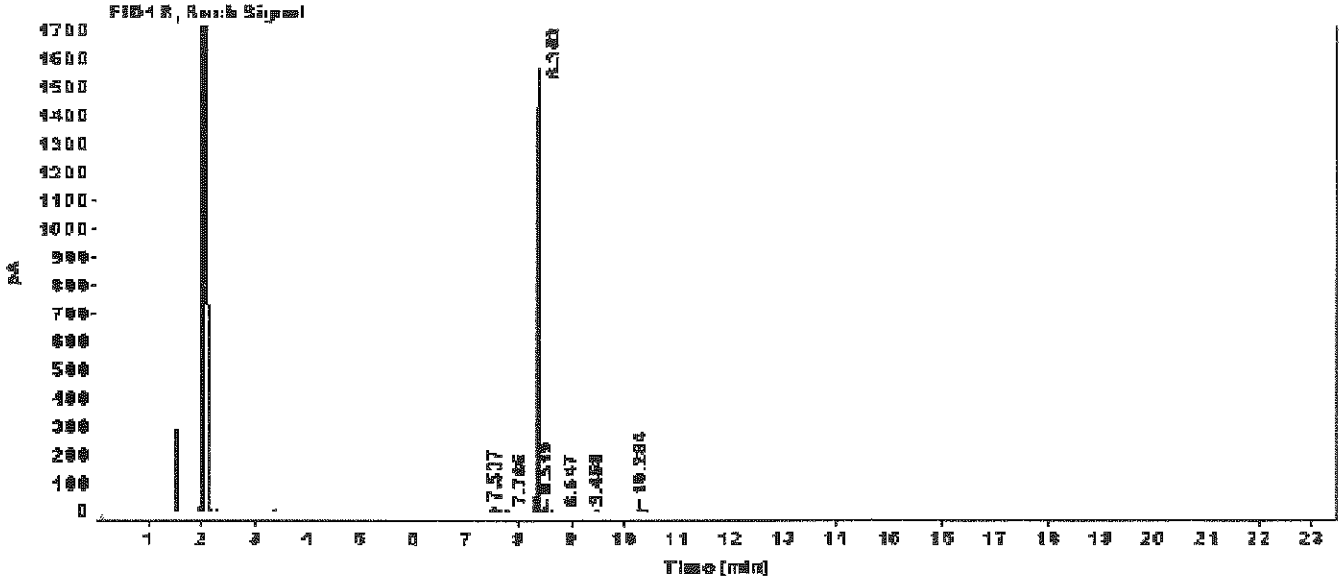
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

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 ACCREDITED REFERENCE MATERIAL PRODUCER

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

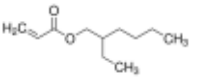
Reagent

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

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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_01430

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.)

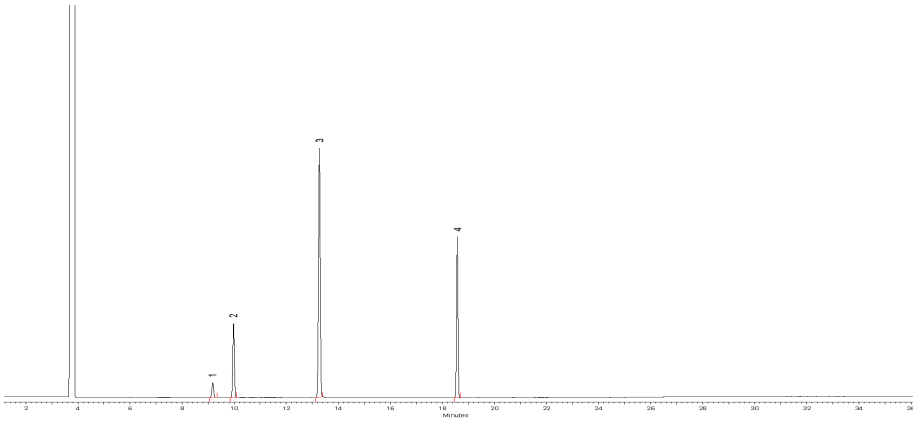
Inj. Temp:
200°C

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_8260_SS_01475

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.)

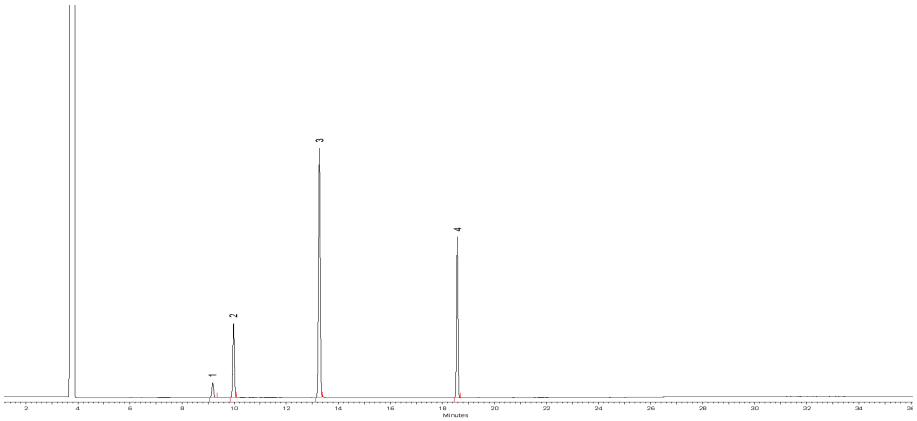
Inj. Temp:
200°C

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_c14dcb_Nt_00005

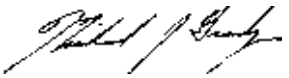
SIGMA-ALDRICH®
sigma-aldrich.com
3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

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

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Reagent

MSV_Cus826_IS_00737

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

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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. : 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.)

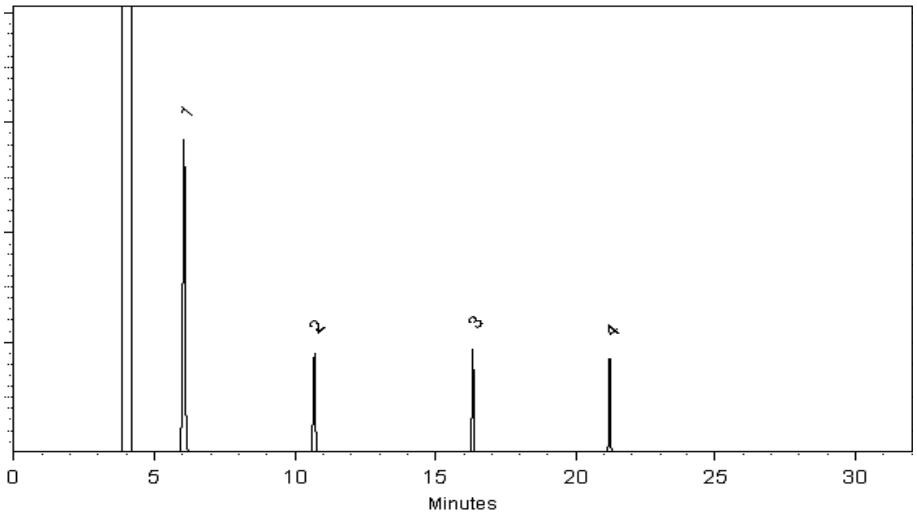
Inj. Temp:
200°C

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_00816

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

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.:** A0211699

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 : 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-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,595.0 µg/mL	+/- 156.6678
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,507.0 µg/mL	+/- 31.2001
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	2,520.0 µg/mL	+/- 31.3618
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,502.0 µg/mL	+/- 31.1378

* 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.)

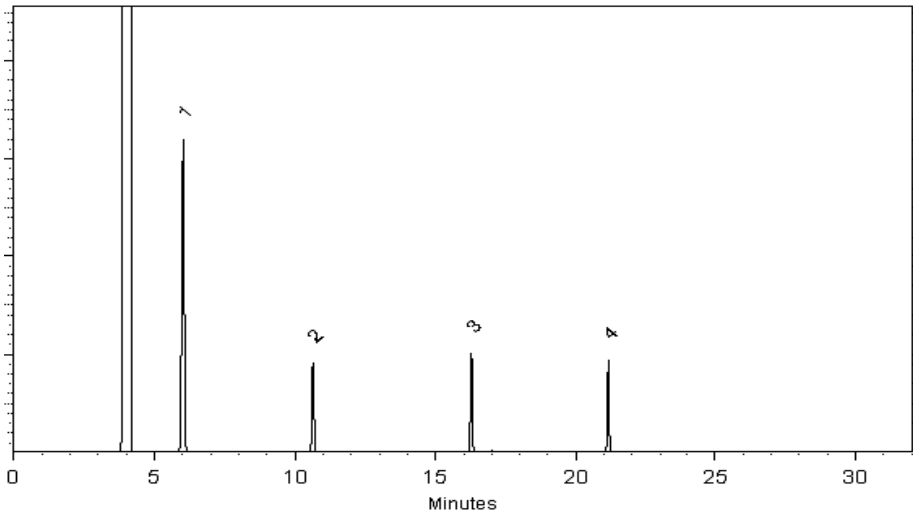
Inj. Temp:
200°C

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.

Russ Bookhamer - Operations Technician I

Date Mixed: 20-May-2024 **Balance Serial #** 1128360905

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_Cus826_IS_00834

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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.:** A0211699

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 : 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-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,595.0 µg/mL	+/- 156.6678
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,507.0 µg/mL	+/- 31.2001
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	2,520.0 µg/mL	+/- 31.3618
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,502.0 µg/mL	+/- 31.1378

* 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.)

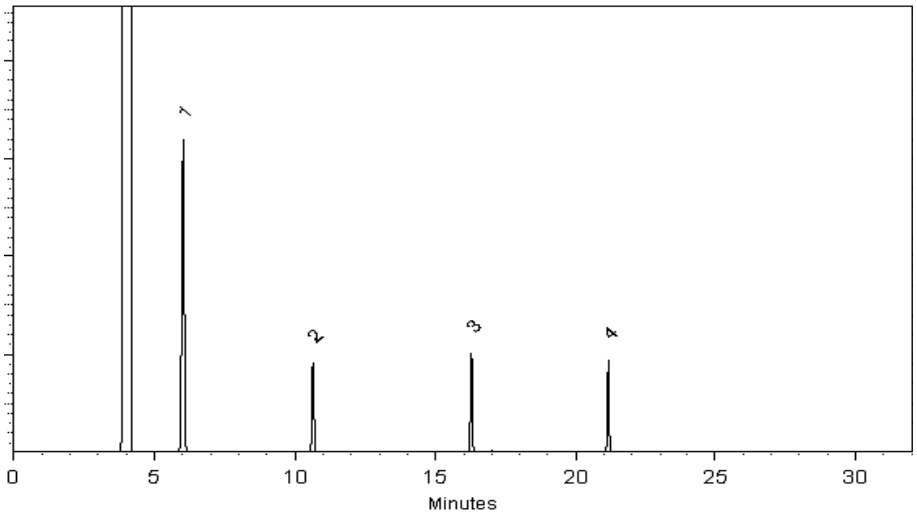
Inj. Temp:
200°C

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.

Russ Bookhamer - Operations Technician I

Date Mixed: 20-May-2024 **Balance Serial #** 1128360905

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:

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  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.
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Reagent

MSV_Cus826_IS_00837

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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.:** A0211699

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 : 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-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,595.0 µg/mL	+/- 156.6678
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,507.0 µg/mL	+/- 31.2001
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	2,520.0 µg/mL	+/- 31.3618
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,502.0 µg/mL	+/- 31.1378

* 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.)

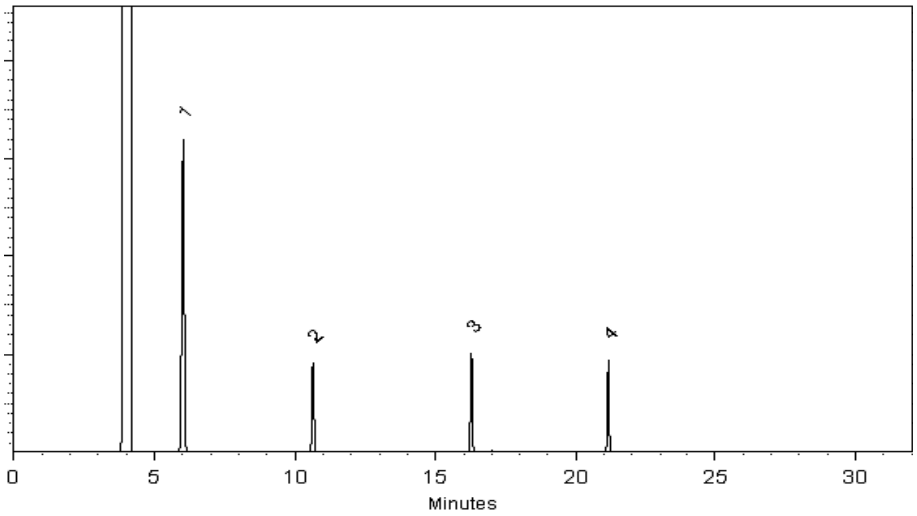
Inj. Temp:
200°C

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.

Russ Bookhamer - Operations Technician I

Date Mixed: 20-May-2024 **Balance Serial #** 1128360905

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:

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  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_nButylAcr_00007

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

n-Butyl acrylate

CATALOG NUMBER	N-12513-1G
LOT NUMBER	14061100
DATE CERTIFIED	01/06/20
EXPIRATION DATE	01/31/26
CAS NUMBER	141-32-2
MOLECULAR FORMULA	C7H12O2
MOLECULAR WEIGHT	128.17
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	99.5

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:

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)

Print Date: 01/26/23

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

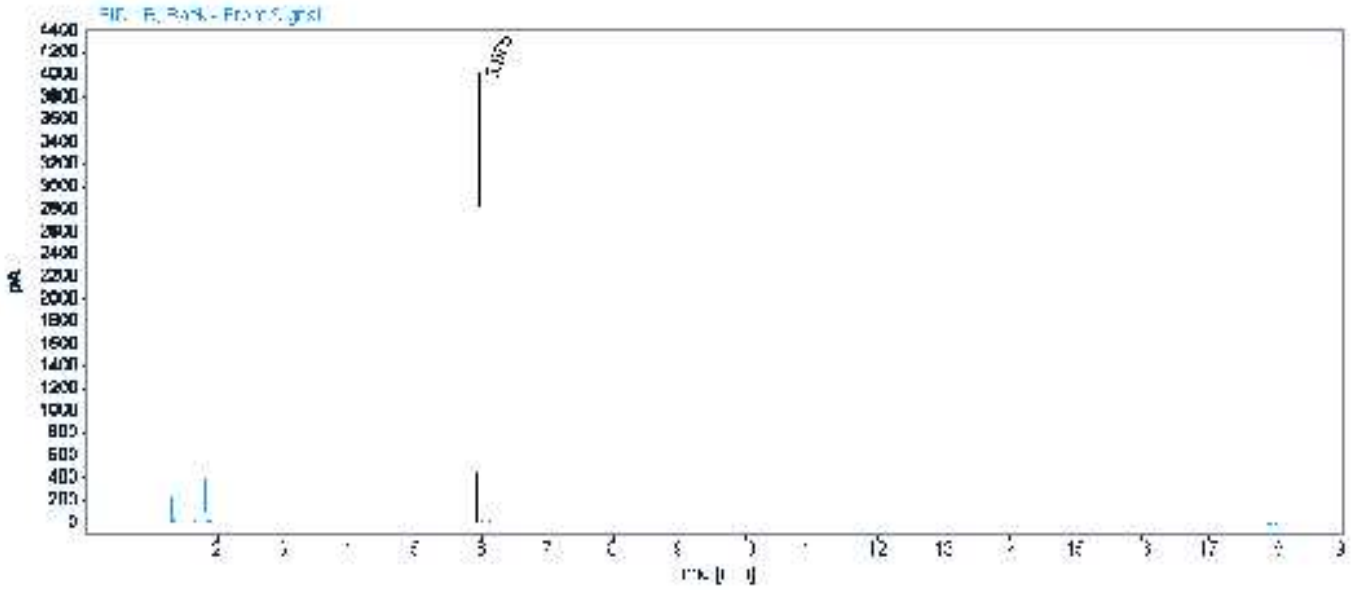
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2020 DATA\0120\butyl acrylate.D
Sample name: Butyl acrylate
Description:

Acq. method: S-10428M1.M

Location: 204
Instrument: GC3
Injection Vol: 1.000
Injection date: 1/6/2020 9:50:14 AM
 # Of Injections: 1
Column name: HP-5ms Ultra Inert **Diameter** 250.000 **Length** 30.000 **Particle Size** 0.250



Signal: FID1 B, Back - Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
5.975	BV	0.0296	8741.1309	3980.0339	100.0000
		Sum	8741.1309		

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

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info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

n-Butyl acrylate

CATALOG NUMBER	N-12513-1G
LOT NUMBER	14061100
DATE CERTIFIED	01/06/20
EXPIRATION DATE	01/31/26
CAS NUMBER	141-32-2
MOLECULAR FORMULA	C7H12O2
MOLECULAR WEIGHT	128.17
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	99.5

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:

Kristin R Jones

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PJLA Testing

PJLA Reference Material Producer

COA Form
Revision 3 (3/2015)

Print Date: 01/26/23

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info@chemservice.com • www.chemservice.com

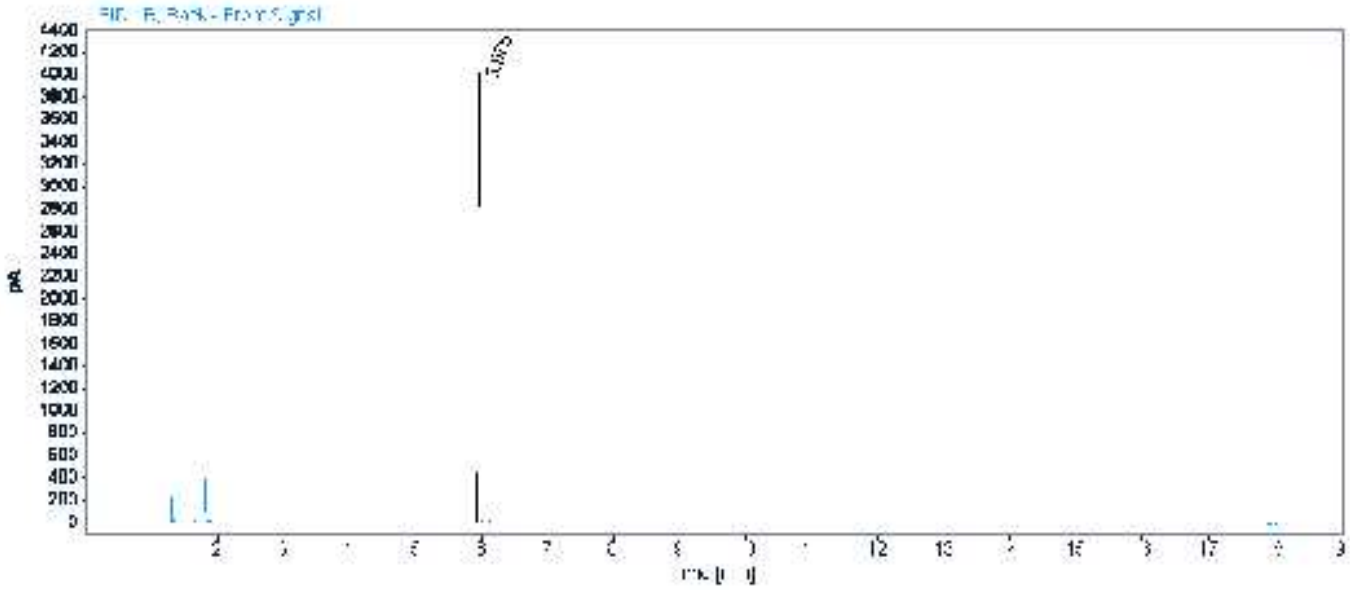
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2020 DATA\0120\butyl acrylate.D
Sample name: Butyl acrylate
Description:

Acq. method: S-10428M1.M

Location: 204
Instrument: GC3
Injection Vol: 1.000
Injection date: 1/6/2020 9:50:14 AM
 # Of Injections: 1
Column name: HP-5ms Ultra Inert **Diameter** 250.000 **Length** 30.000 **Particle Size** 0.250



Signal: FID1 B, Back - Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
5.975	BV	0.0296	8741.1309	3980.0339	100.0000
		Sum	8741.1309		

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

Reagent

MSV_V_PentaCL_00075

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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.)

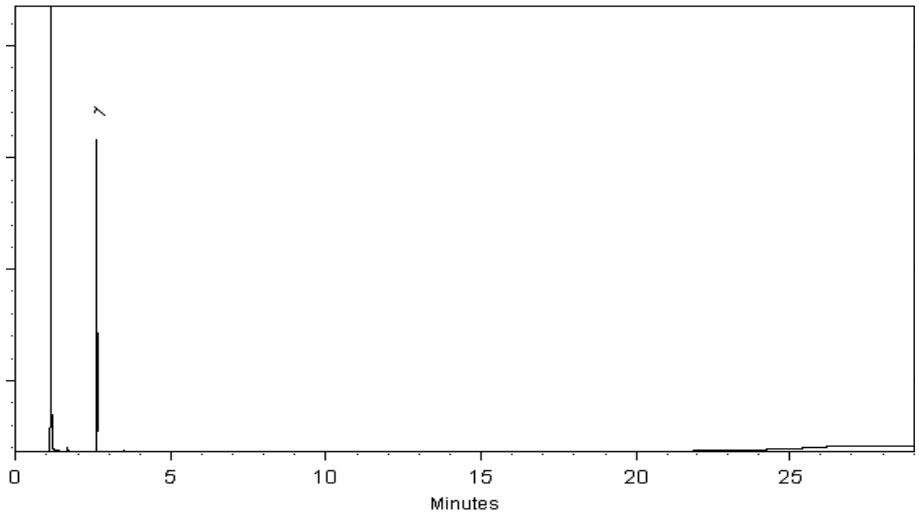
Inj. Temp:
250°C

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.
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- 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_00052

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Tel: 1-814-353-1300
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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. : 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.

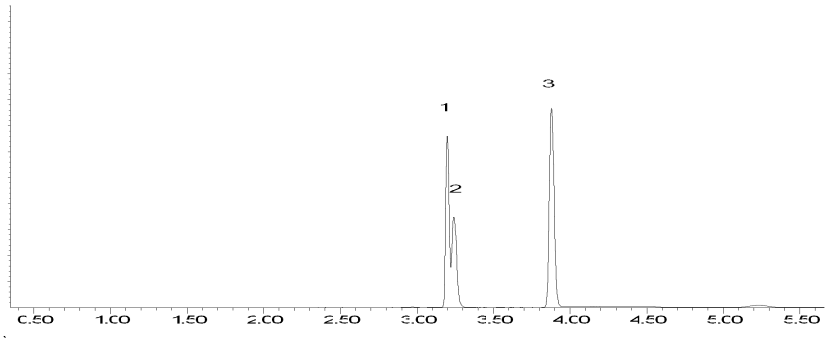
Inj. Temp:
200°C

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.

Reagent

MSV_V_SMFreon_00073

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. : 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.

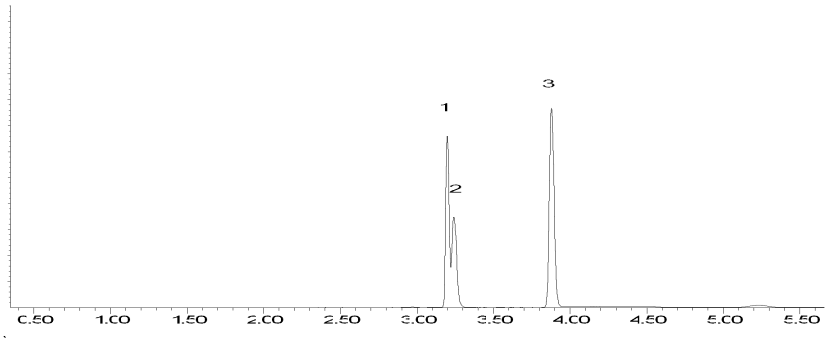
Inj. Temp:
200°C

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.

Reagent

WC_F_tcnlcssc_00006

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: **54250**
Lot Number: **120224**
Description: **Complex Cyanide (CN^-)**

Expiration Date: 120226
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): **1000**
NIST Test Number: 6UTB

Lot #
Solvent: 120224 ASTM Type 1 Water

Formulated By:	Benson Chan	120224
Reviewed By:	Pedro L. Rentas	120224

5E-05 Balance Uncertainty

Weights shown below were diluted to (mL): 1999.41 0.058 Flask Uncertainty

	Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1.	Potassium Ferricyanide (III) (CN)	IN166	TS08427AR	1000	99.0	0.10	47.5	4.2563	4.2570	**1000.2**	**2.0**	13746-66-2	NA	orl-mus 2970mg/kg	3141a
2.	Sodium hydroxide	IN072	MKCL7860	NA	98.9	0.10	100.0	3.1990	3.1998	1600.4	**NA**	1310-73-2	2 mg/m3	orl-mus 6600mg/kg	NA

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Reagent

WC_FL_CNVeriS_00050

RICCA CHEMICAL COMPANY®

448 West Fork Dr
Arlington, TX 76012
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

Certificate of Analysis

Cyanide Standard, 1000 ppm CN^-

Lot Number: 1504L85 **Product Number:** 2543

Manufacture Date: APR 11, 2025
Expiration Date: OCT 2025

This standard is prepared using accurate volumetric techniques from material that has been assayed against Silver Nitrate solution certifiec traceable to NIST Standard Reference Material 999. The certified value reported is the prepared value based upon the method of preparation of the material. The uncertainty in the prepared value is the combined uncertainty based on the stability of the assayed Potassium Cyanide, and the uncertainty in the mass and volume measurements.
Use 0.16% (w/v) (0.04 N) Sodium Hydroxide or 0.225 % (w/v) (0.04 N) Potassium Hydroxide to make dilutions of this standard. Restandardize weekly if extreme accuracy is required.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent (from ACS)
Potassium Cyanide	151-50-8	ACS

Test	Specification	Result
Appearance	Colorless liquid	Passed
Cyanide (CN^-)	995-1005 ppm	1000 ppm

Specification	Reference
Stock Standard Cyanide Solution	APHA (4500-CN- F)
Stock Cyanide Solution	APHA (4500-CN- E)
Stock Cyanide Solution	APHA (4500-CN- K)
Stock Cyanide Solution	APHA (4500-CN- H)
Cyanide Reference Solution (1000 mg/L)	EPA (SW-846) (7.3.3.2)
Cyanide Calibration Stock Solution (1,000 mg/L CN-)	EPA (SW-846) (9213)
Stock Cyanide Solution	EPA (335.3)
Stock Cyanide Solution	EPA (335.2)
Cyanide Solution Stock	ASTM (D 4282)
Simple Cyanide Solution, Stock (1.0 g/L CN)	ASTM (D 4374)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
2543-16	500 mL amber poly	6 months
2543-4	120 mL amber poly	6 months

Recommended Storage: 2°C - 8°C (36°F - 46°F)

Ernest Mahan (04/11/2025)
Plant Manager

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.

Reagent

WHg(II) CNP_00016

CERTIFICATE OF ANALYSIS

93-8041 Mercury(II) cyanide, 99%

Lot Number:	L02372111
CAS Number:	592-04-1

Characteristic	Specification	Result
Color	White	Conforms
Form	Crystal	Conforms
Assay	NLT 99%	99%

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November 24, 2021

Corporate Headquarters:
7 Mulliken Way
Newburyport, MA 01950-4098
U.S.A.
Tel: (978) 499-1600
Fax: (978) 465-3104

Strem Chemicals, Inc.
www.strem.com

European Headquarters:
15, rue de l'Atome
67800 BISCHHEIM (France)
Tel: (33) 03 88 62 52 60
Fax: (33) 03 88 62 26 81

Reagent

WKCN_ACS_00002

ThermoFisher SCIENTIFIC

Certificate of Analysis

Product No.:	L13273
Product:	Potassium cyanide, 97+%
Lot No.:	10240802

Appearance:	White granules
Assay:	99.00%

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Reagent

WKCN_ACS_P_00002

ThermoFisher SCIENTIFIC

Certificate of Analysis

Product No.: 012136

Product: Potassium cyanide, ACS, 96.0% min

Lot No.: S24K028

Test	Limits	Results
Purity	96.0 % min	98.2 %
Chloride	0.5 % max	< 0.5 %
Phosphate	0.005 % max	< 0.005 %
Sulfate	0.04 % max	< 0.04 %
Sulfide	0.003 % max	< 0.003 %
Thiocyanate	To pass test	Passes test
Iron	0.03 % max	< 0.03 %
Sodium	0.5 % max	< 0.5 %
Lead	0.0002 % max	< 2 ppm

Retest date: June 24, 2029

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Sample Container Check Report

Client: Verdantas
Job ID: 410-245374-1
Project/Site: 2025 Comprehensive Sampling

Sample Container Checks and Verifications

Lab Sample ID: 410-245374-11
Client Sample ID: HD-MW-2-0/1-0

Bottle Code	Check Performed	By Employee	Date	Check Result	Expected Result	Adjusted Date	Reagent Lot #	Reagent Expires	Re-check Result	Re-check Date
E	pH Check	K9VH	10/10/2025 13:11	>12	>12	N/A	N/A	N/A	N/A	N/A
E	Chlorine Check	K9VH	10/10/2025 13:11	N	N/A	N/A	N/A	N/A	N/A	N/A
E	Sulfide Check	K9VH	10/10/2025 13:11	N	N/A	N/A	N/A	N/A	N/A	N/A

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.: 410-245374-1

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-143S-0/1-0	410-245374-1	99	105	107	98
HD-MW-143D-0/1-0	410-245374-2	100	104	107	97
HD-GM-1D-0/1-0	410-245374-3	101	106	105	97
HD-MW-43D-0/1-0	410-245374-4	99	101	101	105
HD-MW-142D-0/1-0	410-245374-5	100	102	100	103
HD-MW-150-0/1-0	410-245374-6	100	101	100	103
HD-COLE-D-0/1-0	410-245374-7	101	100	103	103
HD-MW-110-0/1-0	410-245374-8	101	101	101	102
HD-MW-18D-0/1-0	410-245374-9	101	106	106	97
HD-MW-69-0/1-0	410-245374-10	94	102	108	105
HD-MW-2-0/1-0	410-245374-11	103	106	100	100
HD-MW-111-0/1-0	410-245374-12	105	104	100	99
HD-QC3-0/1-2	410-245374-13	97	103	106	100
HD-COLE STEEL MW-12 0/1-0	410-245374-14	107	106	99	99
	MB 410-712932/7	96	103	109	101
	MB 410-713456/7	101	102	101	102
	MB 410-714112/7	92	98	112	106
	MB 410-714809/10	100	102	98	102
	LCS 410-712932/4	91	99	111	99
	LCS 410-713456/4	97	101	102	100
	LCS 410-714112/5	90	98	112	106
	LCS 410-714809/5	98	101	101	102
	LCSD 410-712932/5	94	100	112	99
	LCSD 410-713456/5	97	100	102	100
	LCSD 410-714809/6	98	100	100	101

	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.: 410-245374-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NC13X03.D

Lab ID: LCS 410-712932/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	21.0	105	79-120	
1,1,1-Trichloroethane	20.0	18.4	92	73-120	
1,1,2,2-Tetrachloroethane	20.0	26.8	134	72-120	*+
1,1,2-Trichloroethane	20.0	22.5	112	80-120	
1,1-Dichloroethane	20.0	22.7	114	80-120	
1,1-Dichloroethene	20.0	20.4	102	80-131	
1,2-Dibromoethane (EDB)	20.0	20.2	101	77-120	
1,2-Dichloroethane	20.0	18.1	91	73-124	
1,2-Dichloropropane	20.0	22.9	114	80-120	
2-Butanone (MEK)	250	264	106	59-135	
2-Hexanone	250	293	117	56-135	
4-Methyl-2-pentanone (MIBK)	250	260	104	62-133	
Acetone	250	270	108	57-143	
Benzene	20.0	21.4	107	80-120	
Bromochloromethane	20.0	18.2	91	80-120	
Bromodichloromethane	20.0	18.7	93	71-120	
Bromoform	20.0	17.6	88	51-120	
Bromomethane	20.0	19.6	98	53-128	
Carbon disulfide	20.0	21.8	109	65-128	
Carbon tetrachloride	20.0	16.8	84	64-134	
Chlorobenzene	20.0	20.4	102	80-120	
Chloroethane	20.0	22.5	112	55-123	
Chloroform	20.0	19.1	95	80-120	
Chloromethane	20.0	21.6	108	39-134	
cis-1,2-Dichloroethene	20.0	20.2	101	80-125	
cis-1,3-Dichloropropene	20.0	18.1	91	75-120	
Dibromochloromethane	20.0	19.0	95	71-120	
Ethylbenzene	20.0	21.5	107	80-120	
Methyl tert-butyl ether	20.0	19.0	95	69-122	
Methylene Chloride	20.0	22.1	111	80-120	
Styrene	20.0	20.1	101	80-120	
Tetrachloroethene	20.0	17.6	88	80-120	
Toluene	20.0	22.4	112	80-120	
trans-1,2-Dichloroethene	20.0	19.6	98	80-126	
trans-1,3-Dichloropropene	20.0	22.0	110	67-120	
Trichloroethene	20.0	18.3	91	80-120	
Vinyl chloride	20.0	22.3	111	56-120	
Xylenes, Total	60.0	62.7	105	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LC14X03.D

Lab ID: LCS 410-713456/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	18.4	92	79-120	
1,1,1-Trichloroethane	20.0	17.7	88	73-120	
1,1,2,2-Tetrachloroethane	20.0	18.6	93	72-120	
1,1,2-Trichloroethane	20.0	18.1	91	80-120	
1,1-Dichloroethane	20.0	17.7	89	80-120	
1,1-Dichloroethene	20.0	17.6	88	80-131	
1,2-Dibromoethane (EDB)	20.0	18.2	91	77-120	
1,2-Dichloroethane	20.0	17.6	88	73-124	
1,2-Dichloropropane	20.0	18.2	91	80-120	
2-Butanone (MEK)	250	238	95	59-135	
2-Hexanone	250	287	115	56-135	
4-Methyl-2-pentanone (MIBK)	250	261	104	62-133	
Acetone	250	220	88	57-143	
Benzene	20.0	17.7	89	80-120	
Bromochloromethane	20.0	17.3	86	80-120	
Bromodichloromethane	20.0	17.3	87	71-120	
Bromoform	20.0	17.4	87	51-120	
Bromomethane	20.0	14.7	74	53-128	
Carbon disulfide	20.0	16.3	81	65-128	
Carbon tetrachloride	20.0	17.4	87	64-134	
Chlorobenzene	20.0	17.9	89	80-120	
Chloroethane	20.0	14.0	70	55-123	
Chloroform	20.0	17.5	87	80-120	
Chloromethane	20.0	15.5	77	39-134	
cis-1,2-Dichloroethene	20.0	17.7	88	80-125	
cis-1,3-Dichloropropene	20.0	17.0	85	75-120	
Dibromochloromethane	20.0	17.3	86	71-120	
Ethylbenzene	20.0	18.5	93	80-120	
Methyl tert-butyl ether	20.0	17.4	87	69-122	
Methylene Chloride	20.0	17.7	88	80-120	
Styrene	20.0	18.6	93	80-120	
Tetrachloroethene	20.0	17.5	88	80-120	
Toluene	20.0	18.0	90	80-120	
trans-1,2-Dichloroethene	20.0	17.0	85	80-126	
trans-1,3-Dichloropropene	20.0	18.4	92	67-120	
Trichloroethene	20.0	17.2	86	80-120	
Vinyl chloride	20.0	15.7	78	56-120	
Xylenes, Total	60.0	55.4	92	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NC15X13.D

Lab ID: LCS 410-714112/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	18.6	93	79-120	
1,1,1-Trichloroethane	20.0	17.2	86	73-120	
1,1,2,2-Tetrachloroethane	20.0	25.0	125	72-120	*+
1,1,2-Trichloroethane	20.0	20.4	102	80-120	
1,1-Dichloroethane	20.0	20.6	103	80-120	
1,1-Dichloroethene	20.0	18.8	94	80-131	
1,2-Dibromoethane (EDB)	20.0	18.4	92	77-120	
1,2-Dichloroethane	20.0	17.3	87	73-124	
1,2-Dichloropropane	20.0	20.5	103	80-120	
2-Butanone (MEK)	250	251	100	59-135	
2-Hexanone	250	284	113	56-135	
4-Methyl-2-pentanone (MIBK)	250	249	100	62-133	
Acetone	250	254	102	57-143	
Benzene	20.0	19.8	99	80-120	
Bromochloromethane	20.0	16.4	82	80-120	
Bromodichloromethane	20.0	17.5	87	71-120	
Bromoform	20.0	16.3	82	51-120	
Bromomethane	20.0	19.2	96	53-128	
Carbon disulfide	20.0	20.5	102	65-128	
Carbon tetrachloride	20.0	15.8	79	64-134	
Chlorobenzene	20.0	18.7	93	80-120	
Chloroethane	20.0	21.8	109	55-123	
Chloroform	20.0	17.6	88	80-120	
Chloromethane	20.0	21.7	108	39-134	
cis-1,2-Dichloroethene	20.0	18.4	92	80-125	
cis-1,3-Dichloropropene	20.0	17.6	88	75-120	
Dibromochloromethane	20.0	17.0	85	71-120	
Ethylbenzene	20.0	21.3	107	80-120	
Methyl tert-butyl ether	20.0	18.2	91	69-122	
Methylene Chloride	20.0	20.2	101	80-120	
Styrene	20.0	19.4	97	80-120	
Tetrachloroethene	20.0	16.3	82	80-120	
Toluene	20.0	21.0	105	80-120	
trans-1,2-Dichloroethene	20.0	18.5	92	80-126	
trans-1,3-Dichloropropene	20.0	20.6	103	67-120	
Trichloroethene	20.0	16.8	84	80-120	
Vinyl chloride	20.0	22.2	111	56-120	
Xylenes, Total	60.0	60.6	101	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LC16X04.D

Lab ID: LCS 410-714809/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	20.0	100	79-120	
1,1,1-Trichloroethane	20.0	19.4	97	73-120	
1,1,2,2-Tetrachloroethane	20.0	19.7	98	72-120	
1,1,2-Trichloroethane	20.0	19.7	98	80-120	
1,1-Dichloroethane	20.0	20.1	100	80-120	
1,1-Dichloroethene	20.0	19.2	96	80-131	
1,2-Dibromoethane (EDB)	20.0	19.3	97	77-120	
1,2-Dichloroethane	20.0	19.7	99	73-124	
1,2-Dichloropropane	20.0	19.8	99	80-120	
2-Butanone (MEK)	250	263	105	59-135	
2-Hexanone	250	312	125	56-135	
4-Methyl-2-pentanone (MIBK)	250	280	112	62-133	
Acetone	250	242	97	57-143	
Benzene	20.0	19.7	99	80-120	
Bromochloromethane	20.0	18.8	94	80-120	
Bromodichloromethane	20.0	18.8	94	71-120	
Bromoform	20.0	18.2	91	51-120	
Bromomethane	20.0	14.5	73	53-128	
Carbon disulfide	20.0	18.5	92	65-128	
Carbon tetrachloride	20.0	19.5	97	64-134	
Chlorobenzene	20.0	19.3	97	80-120	
Chloroethane	20.0	15.4	77	55-123	
Chloroform	20.0	19.1	96	80-120	
Chloromethane	20.0	16.2	81	39-134	
cis-1,2-Dichloroethene	20.0	19.6	98	80-125	
cis-1,3-Dichloropropene	20.0	18.3	92	75-120	
Dibromochloromethane	20.0	18.0	90	71-120	
Ethylbenzene	20.0	20.1	100	80-120	
Methyl tert-butyl ether	20.0	18.5	93	69-122	
Methylene Chloride	20.0	19.7	98	80-120	
Styrene	20.0	20.0	100	80-120	
Tetrachloroethene	20.0	18.8	94	80-120	
Toluene	20.0	19.7	98	80-120	
trans-1,2-Dichloroethene	20.0	18.9	95	80-126	
trans-1,3-Dichloropropene	20.0	19.9	99	67-120	
Trichloroethene	20.0	19.2	96	80-120	
Vinyl chloride	20.0	16.0	80	56-120	
Xylenes, Total	60.0	59.5	99	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.: 410-245374-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NC13X04.D

Lab ID: LCSD 410-712932/5 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	21.4	107	2	30	79-120	
1,1,1-Trichloroethane	20.0	19.2	96	4	30	73-120	
1,1,2,2-Tetrachloroethane	20.0	26.7	133	1	30	72-120	*+
1,1,2-Trichloroethane	20.0	23.1	116	3	30	80-120	
1,1-Dichloroethane	20.0	22.9	114	1	30	80-120	
1,1-Dichloroethene	20.0	21.0	105	3	30	80-131	
1,2-Dibromoethane (EDB)	20.0	21.0	105	4	30	77-120	
1,2-Dichloroethane	20.0	18.6	93	3	30	73-124	
1,2-Dichloropropane	20.0	22.3	111	3	30	80-120	
2-Butanone (MEK)	250	265	106	0	30	59-135	
2-Hexanone	250	298	119	2	30	56-135	
4-Methyl-2-pentanone (MIBK)	250	265	106	2	30	62-133	
Acetone	250	270	108	0	30	57-143	
Benzene	20.0	21.8	109	2	30	80-120	
Bromochloromethane	20.0	18.7	94	3	30	80-120	
Bromodichloromethane	20.0	19.0	95	2	30	71-120	
Bromoform	20.0	18.6	93	5	30	51-120	
Bromomethane	20.0	20.4	102	4	30	53-128	
Carbon disulfide	20.0	22.8	114	5	30	65-128	
Carbon tetrachloride	20.0	17.7	89	5	30	64-134	
Chlorobenzene	20.0	20.4	102	0	30	80-120	
Chloroethane	20.0	23.1	115	3	30	55-123	
Chloroform	20.0	19.5	97	2	30	80-120	
Chloromethane	20.0	23.3	116	7	30	39-134	
cis-1,2-Dichloroethene	20.0	20.7	104	3	30	80-125	
cis-1,3-Dichloropropene	20.0	18.6	93	3	30	75-120	
Dibromochloromethane	20.0	19.5	97	3	30	71-120	
Ethylbenzene	20.0	21.6	108	1	30	80-120	
Methyl tert-butyl ether	20.0	20.5	103	8	30	69-122	
Methylene Chloride	20.0	22.0	110	0	30	80-120	
Styrene	20.0	20.2	101	0	30	80-120	
Tetrachloroethene	20.0	18.0	90	2	30	80-120	
Toluene	20.0	22.4	112	0	30	80-120	
trans-1,2-Dichloroethene	20.0	20.8	104	6	30	80-126	
trans-1,3-Dichloropropene	20.0	22.1	111	0	30	67-120	
Trichloroethene	20.0	18.5	92	1	30	80-120	
Vinyl chloride	20.0	22.9	114	3	30	56-120	
Xylenes, Total	60.0	63.7	106	2	30	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.: 410-245374-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LC14X04.D

Lab ID: LCSD 410-713456/5 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	18.5	92	0	30	79-120	
1,1,1-Trichloroethane	20.0	17.4	87	1	30	73-120	
1,1,2,2-Tetrachloroethane	20.0	17.6	88	6	30	72-120	
1,1,2-Trichloroethane	20.0	18.1	90	0	30	80-120	
1,1-Dichloroethane	20.0	17.7	88	0	30	80-120	
1,1-Dichloroethene	20.0	17.3	86	2	30	80-131	
1,2-Dibromoethane (EDB)	20.0	17.9	89	1	30	77-120	
1,2-Dichloroethane	20.0	17.5	87	1	30	73-124	
1,2-Dichloropropane	20.0	18.0	90	1	30	80-120	
2-Butanone (MEK)	250	234	93	2	30	59-135	
2-Hexanone	250	281	112	2	30	56-135	
4-Methyl-2-pentanone (MIBK)	250	255	102	2	30	62-133	
Acetone	250	220	88	0	30	57-143	
Benzene	20.0	17.6	88	1	30	80-120	
Bromochloromethane	20.0	17.4	87	1	30	80-120	
Bromodichloromethane	20.0	17.1	86	1	30	71-120	
Bromoform	20.0	17.0	85	3	30	51-120	
Bromomethane	20.0	14.3	71	3	30	53-128	
Carbon disulfide	20.0	16.1	81	1	30	65-128	
Carbon tetrachloride	20.0	17.2	86	1	30	64-134	
Chlorobenzene	20.0	17.7	88	1	30	80-120	
Chloroethane	20.0	13.8	69	2	30	55-123	
Chloroform	20.0	17.4	87	1	30	80-120	
Chloromethane	20.0	15.1	75	2	30	39-134	
cis-1,2-Dichloroethene	20.0	17.7	89	0	30	80-125	
cis-1,3-Dichloropropene	20.0	17.0	85	0	30	75-120	
Dibromochloromethane	20.0	16.9	85	2	30	71-120	
Ethylbenzene	20.0	18.3	91	1	30	80-120	
Methyl tert-butyl ether	20.0	17.1	85	2	30	69-122	
Methylene Chloride	20.0	17.6	88	0	30	80-120	
Styrene	20.0	18.3	92	1	30	80-120	
Tetrachloroethene	20.0	17.6	88	0	30	80-120	
Toluene	20.0	18.1	90	0	30	80-120	
trans-1,2-Dichloroethene	20.0	16.9	84	1	30	80-126	
trans-1,3-Dichloropropene	20.0	18.2	91	1	30	67-120	
Trichloroethene	20.0	17.3	86	0	30	80-120	
Vinyl chloride	20.0	15.5	78	1	30	56-120	
Xylenes, Total	60.0	55.2	92	0	30	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.: 410-245374-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LC16X05.D

Lab ID: LCSD 410-714809/6 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	19.8	99	1	30	79-120	
1,1,1-Trichloroethane	20.0	19.7	99	2	30	73-120	
1,1,2,2-Tetrachloroethane	20.0	19.0	95	4	30	72-120	
1,1,2-Trichloroethane	20.0	19.1	96	3	30	80-120	
1,1-Dichloroethane	20.0	20.0	100	0	30	80-120	
1,1-Dichloroethene	20.0	19.5	97	1	30	80-131	
1,2-Dibromoethane (EDB)	20.0	19.3	96	0	30	77-120	
1,2-Dichloroethane	20.0	19.4	97	2	30	73-124	
1,2-Dichloropropane	20.0	19.6	98	1	30	80-120	
2-Butanone (MEK)	250	256	102	3	30	59-135	
2-Hexanone	250	302	121	3	30	56-135	
4-Methyl-2-pentanone (MIBK)	250	277	111	1	30	62-133	
Acetone	250	231	92	5	30	57-143	
Benzene	20.0	19.7	98	0	30	80-120	
Bromochloromethane	20.0	18.5	93	1	30	80-120	
Bromodichloromethane	20.0	18.3	92	3	30	71-120	
Bromoform	20.0	17.6	88	3	30	51-120	
Bromomethane	20.0	14.9	74	2	30	53-128	
Carbon disulfide	20.0	18.3	92	1	30	65-128	
Carbon tetrachloride	20.0	19.8	99	2	30	64-134	
Chlorobenzene	20.0	19.0	95	2	30	80-120	
Chloroethane	20.0	14.9	74	4	30	55-123	
Chloroform	20.0	19.2	96	0	30	80-120	
Chloromethane	20.0	16.9	85	5	30	39-134	
cis-1,2-Dichloroethene	20.0	19.5	98	0	30	80-125	
cis-1,3-Dichloropropene	20.0	18.3	91	0	30	75-120	
Dibromochloromethane	20.0	17.7	89	2	30	71-120	
Ethylbenzene	20.0	19.9	100	1	30	80-120	
Methyl tert-butyl ether	20.0	18.8	94	1	30	69-122	
Methylene Chloride	20.0	19.6	98	0	30	80-120	
Styrene	20.0	19.7	99	1	30	80-120	
Tetrachloroethene	20.0	18.8	94	0	30	80-120	
Toluene	20.0	19.4	97	1	30	80-120	
trans-1,2-Dichloroethene	20.0	19.2	96	1	30	80-126	
trans-1,3-Dichloropropene	20.0	19.4	97	2	30	67-120	
Trichloroethene	20.0	19.0	95	1	30	80-120	
Vinyl chloride	20.0	16.5	82	3	30	56-120	
Xylenes, Total	60.0	59.5	99	0	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.: 410-245374-1

SDG No.:

Lab File ID: NC13X06.D Lab Sample ID: MB 410-712932/7

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

Instrument ID: 7159 Date Analyzed: 10/13/2025 12:11

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 410-712932/4	NC13X03.D	10/13/2025 11:12
	LCSD 410-712932/5	NC13X04.D	10/13/2025 11:32
HD-QC3-0/1-2	410-245374-13	NC13X08.D	10/13/2025 12:51
HD-MW-143S-0/1-0	410-245374-1	NC13X24.D	10/13/2025 18:07
HD-MW-143D-0/1-0	410-245374-2	NC13X25.D	10/13/2025 18:26
HD-GM-1D-0/1-0	410-245374-3	NC13X26.D	10/13/2025 18:46
HD-MW-18D-0/1-0	410-245374-9	NC13X27.D	10/13/2025 19:06

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab File ID: LC14X06.D Lab Sample ID: MB 410-713456/7

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

Instrument ID: 9915 Date Analyzed: 10/14/2025 11:28

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 410-713456/4	LC14X03.D	10/14/2025 10:21
	LCSD 410-713456/5	LC14X04.D	10/14/2025 10:44
HD-MW-43D-0/1-0	410-245374-4	LC14X23.D	10/14/2025 19:30
HD-MW-142D-0/1-0	410-245374-5	LC14X24.D	10/14/2025 19:52
HD-MW-150-0/1-0	410-245374-6	LC14X25.D	10/14/2025 20:14
HD-COLE-D-0/1-0	410-245374-7	LC14X26.D	10/14/2025 20:36
HD-MW-110-0/1-0	410-245374-8	LC14X27.D	10/14/2025 20:59

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab File ID: NC15X15.D Lab Sample ID: MB 410-714112/7

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

Instrument ID: 7159 Date Analyzed: 10/15/2025 13:15

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 410-714112/5	NC15X13.D	10/15/2025 12:35
HD-MW-69-0/1-0	410-245374-10	NC15X35.D	10/15/2025 21:05

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab File ID: LC16X09.D Lab Sample ID: MB 410-714809/10

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

Instrument ID: 9915 Date Analyzed: 10/16/2025 11:21

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 410-714809/5	LC16X04.D	10/16/2025 09:29
	LCSD 410-714809/6	LC16X05.D	10/16/2025 09:51
HD-MW-2-0/1-0	410-245374-11	LC16X17.D	10/16/2025 16:12
HD-MW-111-0/1-0	410-245374-12	LC16X18.D	10/16/2025 16:34
HD-COLE STEEL MW-12 0/1-0	410-245374-14	LC16X19.D	10/16/2025 16:57

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab File ID: NS22T01.D BFB Injection Date: 09/22/2025

Instrument ID: 7159 BFB Injection Time: 14:37

Analysis Batch No.: 702728

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.3	
75	30.0 - 60.0 % of mass 95	45.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.4	(0.4) 1
174	Greater than 50% of mass 95	101.5	
175	5.0 - 9.0 % of mass 174	8.0	(7.9) 1
176	95.0 - 101.0 % of mass 174	99.8	(98.3) 1
177	5.0 - 9.0 % of mass 176	6.5	(6.6) 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 410-702728/3	NS22X03.D	09/22/2025	15:13
	IC 410-702728/4	NS22X04.D	09/22/2025	15:33
	IC 410-702728/5	NS22X05.D	09/22/2025	15:53
	IC 410-702728/6	NS22X06.D	09/22/2025	16:12
	IC 410-702728/7	NS22X07.D	09/22/2025	16:32
	IC 410-702728/8	NS22X08.D	09/22/2025	16:52
	IC 410-702728/14	NS22X14.D	09/22/2025	18:51
	IC 410-702728/15	NS22X15.D	09/22/2025	19:10
	ICIS 410-702728/16	NS22X16.D	09/22/2025	19:30
	IC 410-702728/17	NS22X17.D	09/22/2025	19:50
	IC 410-702728/18	NS22X18.D	09/22/2025	20:10
	ICV 410-702728/20	NS22X20.D	09/22/2025	20:50
	IC 410-702728/12	NS22X22.D	09/22/2025	22:39
	IC 410-702728/13	NS22X23.D	09/22/2025	22:59

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab File ID: NC13T04.D BFB Injection Date: 10/13/2025

Instrument ID: 7159 BFB Injection Time: 10:15

Analysis Batch No.: 712932

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.7	
75	30.0 - 60.0 % of mass 95	45.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	1.0	(1.2) 1
174	Greater than 50% of mass 95	81.2	
175	5.0 - 9.0 % of mass 174	6.1	(7.6) 1
176	95.0 - 101.0 % of mass 174	78.0	(96.1) 1
177	5.0 - 9.0 % of mass 176	5.2	(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 410-712932/3	NC13X02.D	10/13/2025	10:52
	LCS 410-712932/4	NC13X03.D	10/13/2025	11:12
	LCSD 410-712932/5	NC13X04.D	10/13/2025	11:32
	MB 410-712932/7	NC13X06.D	10/13/2025	12:11
HD-QC3-0/1-2	410-245374-13	NC13X08.D	10/13/2025	12:51
HD-MW-143S-0/1-0	410-245374-1	NC13X24.D	10/13/2025	18:07
HD-MW-143D-0/1-0	410-245374-2	NC13X25.D	10/13/2025	18:26
HD-GM-1D-0/1-0	410-245374-3	NC13X26.D	10/13/2025	18:46
HD-MW-18D-0/1-0	410-245374-9	NC13X27.D	10/13/2025	19:06

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab File ID: NC15T11.D BFB Injection Date: 10/15/2025

Instrument ID: 7159 BFB Injection Time: 11:09

Analysis Batch No.: 714112

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.1	
75	30.0 - 60.0 % of mass 95	46.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.6	(0.8) 1
174	Greater than 50% of mass 95	76.5	
175	5.0 - 9.0 % of mass 174	5.6	(7.4) 1
176	95.0 - 101.0 % of mass 174	74.3	(97.1) 1
177	5.0 - 9.0 % of mass 176	5.0	(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
	CCVIS 410-714112/4	NC15X12.D	10/15/2025	12:15
	LCS 410-714112/5	NC15X13.D	10/15/2025	12:35
	MB 410-714112/7	NC15X15.D	10/15/2025	13:15
HD-MW-69-0/1-0	410-245374-10	NC15X35.D	10/15/2025	21:05

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab File ID: LC13T01.D BFB Injection Date: 10/13/2025

Instrument ID: 9915 BFB Injection Time: 13:26

Analysis Batch No.: 713065

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.8	
75	30.0 - 60.0 % of mass 95	45.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.7	(0.7) 1
174	Greater than 50% of mass 95	93.4	
175	5.0 - 9.0 % of mass 174	6.7	(7.2) 1
176	95.0 - 101.0 % of mass 174	92.1	(98.6) 1
177	5.0 - 9.0 % of mass 176	6.0	(6.6) 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 410-713065/3	LC13X02.D	10/13/2025	14:23
	IC 410-713065/4	LC13X03.D	10/13/2025	14:46
	IC 410-713065/5	LC13X04.D	10/13/2025	15:08
	IC 410-713065/6	LC13X05.D	10/13/2025	15:30
	IC 410-713065/7	LC13X06.D	10/13/2025	15:53
	IC 410-713065/8	LC13X07.D	10/13/2025	16:15
	IC 410-713065/12	LC13X11.D	10/13/2025	17:45
	IC 410-713065/13	LC13X12.D	10/13/2025	18:07
	IC 410-713065/14	LC13X13.D	10/13/2025	18:29
	IC 410-713065/15	LC13X14.D	10/13/2025	18:52
	ICIS 410-713065/16	LC13X15.D	10/13/2025	19:14
	IC 410-713065/17	LC13X16.D	10/13/2025	19:37
	IC 410-713065/18	LC13X17.D	10/13/2025	19:59
	ICV 410-713065/20	LC13X19.D	10/13/2025	20:44

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab File ID: LC14T01.D BFB Injection Date: 10/14/2025

Instrument ID: 9915 BFB Injection Time: 09:12

Analysis Batch No.: 713456

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.3	
75	30.0 - 60.0 % of mass 95	45.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.6	(0.7) 1
174	Greater than 50% of mass 95	91.8	
175	5.0 - 9.0 % of mass 174	6.5	(7.1) 1
176	95.0 - 101.0 % of mass 174	90.0	(98.0) 1
177	5.0 - 9.0 % of mass 176	6.0	(6.6) 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 410-713456/3	LC14X02.D	10/14/2025	9:59
	LCS 410-713456/4	LC14X03.D	10/14/2025	10:21
	LCSD 410-713456/5	LC14X04.D	10/14/2025	10:44
	MB 410-713456/7	LC14X06.D	10/14/2025	11:28
HD-MW-43D-0/1-0	410-245374-4	LC14X23.D	10/14/2025	19:30
HD-MW-142D-0/1-0	410-245374-5	LC14X24.D	10/14/2025	19:52
HD-MW-150-0/1-0	410-245374-6	LC14X25.D	10/14/2025	20:14
HD-COLE-D-0/1-0	410-245374-7	LC14X26.D	10/14/2025	20:36
HD-MW-110-0/1-0	410-245374-8	LC14X27.D	10/14/2025	20:59

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab File ID: LC16T01.D BFB Injection Date: 10/16/2025

Instrument ID: 9915 BFB Injection Time: 07:39

Analysis Batch No.: 714809

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.7	
75	30.0 - 60.0 % of mass 95	47.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.6	(0.6) 1
174	Greater than 50% of mass 95	92.6	
175	5.0 - 9.0 % of mass 174	6.3	(6.8) 1
176	95.0 - 101.0 % of mass 174	89.5	(96.6) 1
177	5.0 - 9.0 % of mass 176	6.0	(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 410-714809/3	LC16X02.D	10/16/2025	8:44
	LCS 410-714809/5	LC16X04.D	10/16/2025	9:29
	LCSD 410-714809/6	LC16X05.D	10/16/2025	9:51
	MB 410-714809/10	LC16X09.D	10/16/2025	11:21
HD-MW-2-0/1-0	410-245374-11	LC16X17.D	10/16/2025	16:12
HD-MW-111-0/1-0	410-245374-12	LC16X18.D	10/16/2025	16:34
HD-COLE STEEL MW-12 0/1-0	410-245374-14	LC16X19.D	10/16/2025	16:57

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Sample No.: ICIS 410-702728/16 Date Analyzed: 09/22/2025 19:30

Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): NS22X16.D Heated Purge: (Y/N) N

Calibration ID: 76951

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		311876	4.53	1071830	8.00	885200	11.35
UPPER LIMIT		623752	5.03	2143660	8.50	1770400	11.85
LOWER LIMIT		155938	4.03	535915	7.50	442600	10.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-702728/20		339065	4.52	1037385	8.00	829383	11.35
CCVIS 410-712932/3		342435	4.51	1168982	8.00	792725	11.36
CCVIS 410-714112/4		475744	4.51	1620547	8.00	1112658	11.35

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.: 410-245374-1

SDG No.:

Sample No.: ICIS 410-702728/16 Date Analyzed: 09/22/2025 19:30

Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): NS22X16.D Heated Purge: (Y/N) N

Calibration ID: 76951

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		518690	13.19				
UPPER LIMIT		1037380	13.69				
LOWER LIMIT		259345	12.69				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-702728/20		514532	13.19				
CCVIS 410-712932/3		413514	13.20				
CCVIS 410-714112/4		569712	13.20				

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.: 410-245374-1

SDG No.:

Sample No.: CCVIS 410-712932/3 Date Analyzed: 10/13/2025 10:52

Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): NC13X02.D Heated Purge: (Y/N) N

Calibration ID: 76951

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		342435	4.51	1168982	8.00	792725	11.36
UPPER LIMIT		684870	5.01	2337964	8.50	1585450	11.86
LOWER LIMIT		171218	4.01	584491	7.50	396363	10.86
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-712932/4		375005	4.51	1229179	8.00	829049	11.36
LCSD 410-712932/5		357289	4.50	1138734	8.00	766865	11.35
MB 410-712932/7		343279	4.52	1120112	8.00	746646	11.36
410-245374-13	HD-QC3-0/1-2	355027	4.52	1145543	8.00	793434	11.35
410-245374-1	HD-MW-143S-0/1-0	348903	4.52	1047856	7.99	721870	11.35
410-245374-2	HD-MW-143D-0/1-0	337111	4.55	1051040	8.00	715811	11.36
410-245374-3	HD-GM-1D-0/1-0	346086	4.51	1073685	8.00	756813	11.35
410-245374-9	HD-MW-18D-0/1-0	345923	4.52	1065611	7.99	747722	11.36

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.: 410-245374-1

SDG No.:

Sample No.: CCVIS 410-712932/3 Date Analyzed: 10/13/2025 10:52

Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): NC13X02.D Heated Purge: (Y/N) N

Calibration ID: 76951

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		413514	13.20				
UPPER LIMIT		827028	13.70				
LOWER LIMIT		206757	12.70				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-712932/4		451891	13.20				
LCSD 410-712932/5		422875	13.20				
MB 410-712932/7		420545	13.20				
410-245374-13	HD-QC3-0/1-2	439618	13.20				
410-245374-1	HD-MW-143S-0/1-0	396578	13.20				
410-245374-2	HD-MW-143D-0/1-0	400688	13.20				
410-245374-3	HD-GM-1D-0/1-0	403416	13.20				
410-245374-9	HD-MW-18D-0/1-0	406070	13.20				

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.: 410-245374-1

SDG No.:

Sample No.: CCVIS 410-714112/4 Date Analyzed: 10/15/2025 12:15

Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): NC15X12.D Heated Purge: (Y/N) N

Calibration ID: 76951

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		475744	4.51	1620547	8.00	1112658	11.35
UPPER LIMIT		951488	5.01	3241094	8.50	2225316	11.85
LOWER LIMIT		237872	4.01	810274	7.50	556329	10.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-714112/5		473283	4.50	1622118	7.99	1094094	11.35
MB 410-714112/7		516019	4.51	1644785	7.99	1093068	11.36
410-245374-10	HD-MW-69-0/1-0	466998	4.51	1339857	8.00	913927	11.36

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.: 410-245374-1

SDG No.:

Sample No.: CCVIS 410-714112/4 Date Analyzed: 10/15/2025 12:15

Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): NC15X12.D Heated Purge: (Y/N) N

Calibration ID: 76951

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		569712	13.20				
UPPER LIMIT		1139424	13.70				
LOWER LIMIT		284856	12.70				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-714112/5		579333	13.20				
MB 410-714112/7		596988	13.20				
410-245374-10	HD-MW-69-0/1-0	519886	13.20				

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.: 410-245374-1

SDG No.:

Sample No.: ICIS 410-713065/16 Date Analyzed: 10/13/2025 19:14

Instrument ID: 9915 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): LC13X15.D Heated Purge: (Y/N) N

Calibration ID: 77550

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		211734	4.09	1057163	7.54	755706	11.05
UPPER LIMIT		423468	4.59	2114326	8.04	1511412	11.55
LOWER LIMIT		105867	3.59	528582	7.04	377853	10.55
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-713065/20		242491	4.12	1136832	7.54	771815	11.05
CCVIS 410-713456/3		193326	4.11	1052468	7.54	760970	11.05
CCVIS 410-714809/3		202956	4.08	1017330	7.54	717644	11.05

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.: 410-245374-1

SDG No.:

Sample No.: ICIS 410-713065/16 Date Analyzed: 10/13/2025 19:14

Instrument ID: 9915 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): LC13X15.D Heated Purge: (Y/N) N

Calibration ID: 77550

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		469839	12.94				
UPPER LIMIT		939678	13.44				
LOWER LIMIT		234920	12.44				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-713065/20		505342	12.94				
CCVIS 410-713456/3		470905	12.94				
CCVIS 410-714809/3		451401	12.94				

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.: 410-245374-1

SDG No.:

Sample No.: CCVIS 410-713456/3 Date Analyzed: 10/14/2025 09:59

Instrument ID: 9915 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): LC14X02.D Heated Purge: (Y/N) N

Calibration ID: 77550

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		193326	4.11	1052468	7.54	760970	11.05
UPPER LIMIT		386652	4.61	2104936	8.04	1521940	11.55
LOWER LIMIT		96663	3.61	526234	7.04	380485	10.55
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-713456/4		209699	4.09	1050387	7.54	730475	11.05
LCSD 410-713456/5		214598	4.10	1084560	7.54	744435	11.05
MB 410-713456/7		201324	4.10	1080440	7.54	725725	11.05
410-245374-4	HD-MW-43D-0/1-0	216851	4.09	1125683	7.53	756680	11.05
410-245374-5	HD-MW-142D-0/1-0	198027	4.09	1049625	7.53	707286	11.05
410-245374-6	HD-MW-150-0/1-0	197880	4.09	1076718	7.54	730413	11.05
410-245374-7	HD-COLE-D-0/1-0	182189	4.09	1050749	7.54	689306	11.05
410-245374-8	HD-MW-110-0/1-0	179942	4.09	994727	7.54	678010	11.05

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.: 410-245374-1

SDG No.:

Sample No.: CCVIS 410-713456/3 Date Analyzed: 10/14/2025 09:59

Instrument ID: 9915 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): LC14X02.D Heated Purge: (Y/N) N

Calibration ID: 77550

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		470905	12.94				
UPPER LIMIT		941810	13.44				
LOWER LIMIT		235453	12.44				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-713456/4		471800	12.94				
LCSD 410-713456/5		484260	12.94				
MB 410-713456/7		486259	12.94				
410-245374-4	HD-MW-43D-0/1-0	526272	12.94				
410-245374-5	HD-MW-142D-0/1-0	489375	12.94				
410-245374-6	HD-MW-150-0/1-0	500982	12.94				
410-245374-7	HD-COLE-D-0/1-0	472040	12.94				
410-245374-8	HD-MW-110-0/1-0	466851	12.94				

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.: 410-245374-1

SDG No.:

Sample No.: CCVIS 410-714809/3 Date Analyzed: 10/16/2025 08:44

Instrument ID: 9915 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): LC16X02.D Heated Purge: (Y/N) N

Calibration ID: 77550

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		202956	4.08	1017330	7.54	717644	11.05
UPPER LIMIT		405912	4.58	2034660	8.04	1435288	11.55
LOWER LIMIT		101478	3.58	508665	7.04	358822	10.55
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-714809/5		208717	4.12	1027261	7.54	709854	11.05
LCSD 410-714809/6		219528	4.10	1057212	7.54	736587	11.05
MB 410-714809/10		185298	4.11	984238	7.54	679576	11.05
410-245374-11	HD-MW-2-0/1-0	177928	4.11	939688	7.54	630457	11.05
410-245374-12	HD-MW-111-0/1-0	170783	4.09	907876	7.54	601822	11.05
410-245374-14	HD-COLE STEEL MW-12 0/1-0	167531	4.07	888286	7.53	593378	11.05

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.: 410-245374-1

SDG No.:

Sample No.: CCVIS 410-714809/3 Date Analyzed: 10/16/2025 08:44

Instrument ID: 9915 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): LC16X02.D Heated Purge: (Y/N) N

Calibration ID: 77550

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		451401	12.94				
UPPER LIMIT		902802	13.44				
LOWER LIMIT		225701	12.44				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-714809/5		463058	12.94				
LCSD 410-714809/6		472326	12.94				
MB 410-714809/10		448407	12.94				
410-245374-11	HD-MW-2-0/1-0	418313	12.94				
410-245374-12	HD-MW-111-0/1-0	405052	12.94				
410-245374-14	HD-COLE STEEL MW-12 0/1-0	394030	12.94				

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.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-143S-0/1-0
Lab Sample ID: 410-245374-1

Matrix: Water
Lab File ID: NC13X24.D

Analysis Method: 8260D
Date Collected: 10/01/2025 10:40

Sample wt/vol: 5(mL)
Date Analyzed: 10/13/2025 18:07

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.: 712932
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

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	^c *+ cn	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	^c cn	1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	^c cn	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.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-143S-0/1-0
Lab Sample ID: 410-245374-1

Matrix: Water
Lab File ID: NC13X24.D

Analysis Method: 8260D
Date Collected: 10/01/2025 10:40

Sample wt/vol: 5(mL)
Date Analyzed: 10/13/2025 18:07

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.: 712932
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	0.51	J	1.0	0.30
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	^c cn	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)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		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\7159\20251013-162929.b\NC13X24.D
Lims ID: 410-245374-A-1
Client ID: HD-MW-143S-0/1-0
Sample Type: Client
Inject. Date: 13-Oct-2025 18:07:09 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162929-025
Operator ID: knk41612 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 10:35:10 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L Date: 14-Oct-2025 10:36:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.241				ND	
6 Vinyl chloride	62		2.366				ND	7
8 Bromomethane	94		2.707				ND	
9 Chloroethane	64		2.820				ND	7
17 1,1-Dichloroethene	96		3.752				ND	7
19 Acetone	58		3.797				ND	
22 Carbon disulfide	76		4.070				ND	7
26 Methylene Chloride	84		4.492				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	4.517	4.511	0.006	24	348903	250.0	
32 Methyl tert-butyl ether	73		4.919				ND	
31 trans-1,2-Dichloroethene	96		4.922				ND	7
35 1,1-Dichloroethane	63		5.591				ND	
40 2-Butanone (MEK)	43		6.405				ND	
41 cis-1,2-Dichloroethene	96		6.427				ND	
47 Chlorobromomethane	128		6.755				ND	
49 Chloroform	83		6.903				ND	
$ 50 Dibromofluoromethane (Surr)	113	7.115	7.118	-0.003	93	296239	49.7	
51 1,1,1-Trichloroethane	97		7.128				ND	
53 Carbon tetrachloride	117		7.331				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.569	7.572	-0.003	38	70509	52.5	
57 Benzene	78		7.604				ND	
59 1,2-Dichloroethane	62		7.675				ND	
* 62 Fluorobenzene (IS)	96	7.993	7.996	-0.003	99	1047856	50.0	
65 Trichloroethene	95		8.469				ND	7
69 1,2-Dichloropropane	63		8.803				ND	
74 Dichlorobromomethane	83		9.138				ND	
77 cis-1,3-Dichloropropene	75		9.659				ND	
78 4-Methyl-2-pentanone (MIBK)	43		9.829				ND	7
$ 79 Toluene-d8 (Surr)	98	9.951	9.954	-0.003	93	952452	53.7	
118 Toluene	92		10.028				ND	7
120 trans-1,3-Dichloropropene	75		10.269				ND	
122 1,1,2-Trichloroethane	97		10.469				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
123 Tetrachloroethene	166	10.543	10.546	-0.003	92	3930	0.5106	
126 2-Hexanone	43		10.675				ND	
128 Chlorodibromomethane	129		10.832				ND	
129 Ethylene Dibromide	107		10.942				ND	
S 130 Xylenes, Total	106		11.245				ND	7
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.356	-0.003	84	721870	50.0	
133 Chlorobenzene	112		11.382				ND	
134 1,1,1,2-Tetrachloroethane	131		11.459				ND	
135 Ethylbenzene	91		11.466				ND	
136 m-Xylene & p-Xylene	106		11.575				ND	7
138 o-Xylene	106		11.896				ND	
139 Styrene	104		11.909				ND	
140 Bromoform	173		12.064				ND	7
$ 144 4-Bromofluorobenzene (Surr)	95	12.331	12.331	0.000	90	328750	49.1	
145 1,1,2,2-Tetrachloroethane	83		12.430				ND	
* 160 1,4-Dichlorobenzene-d4	152	13.195	13.195	0.000	95	396578	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_Cent_ISSS_00045 Amount Added: 5.00 Units: uL Run Reagent

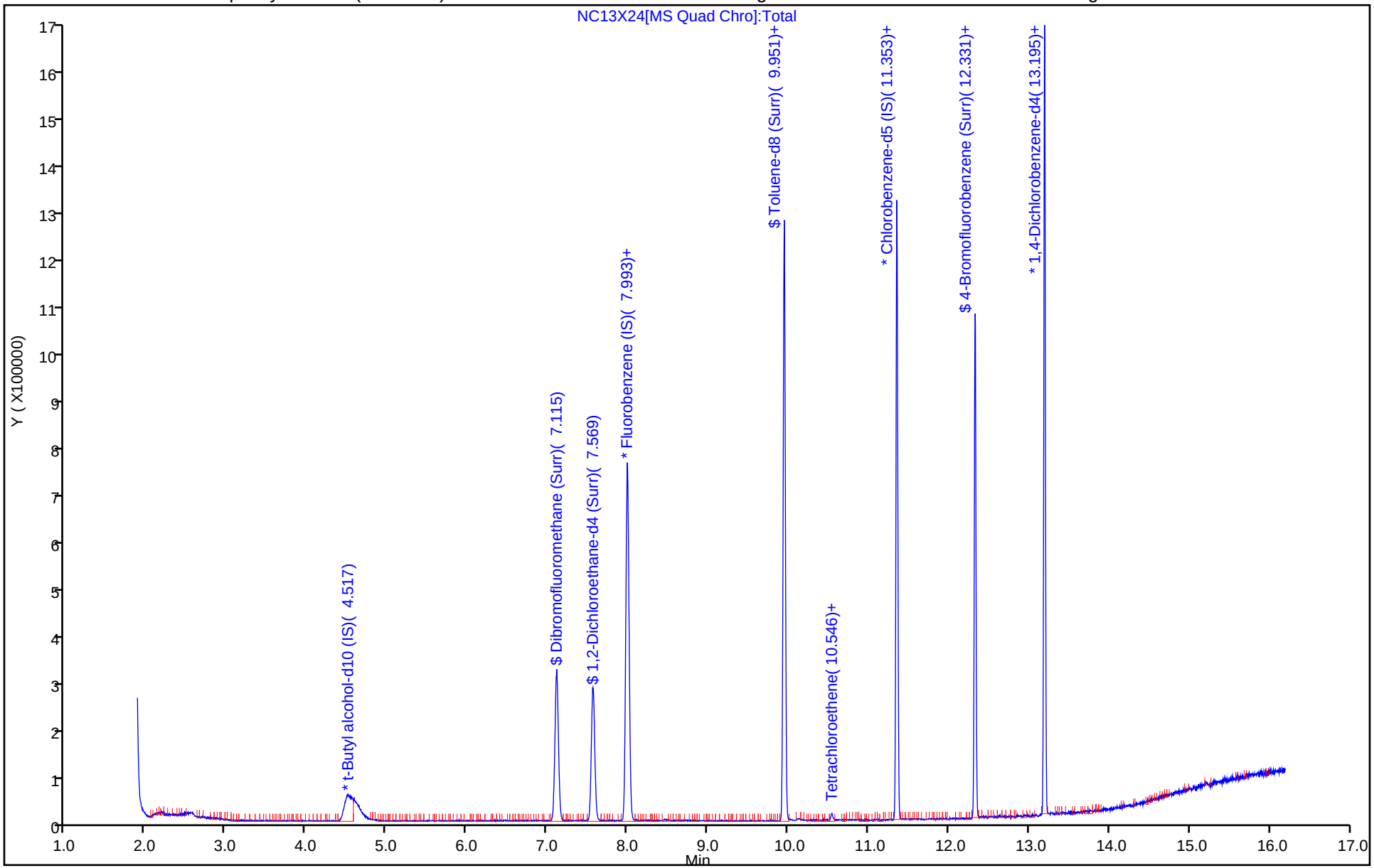
Report Date: 14-Oct-2025 10:36:20 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X24.D

Injection Date:	13-Oct-2025 18:07:09	Instrument ID:	7159	Operator ID:	knk41612
Lims ID:	410-245374-A-1	Lab Sample ID:	410-245374-1	Worklist Smp#:	25
Client ID:	HD-MW-143S-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X24.D				
Lims ID:	410-245374-A-1				
Client ID:	HD-MW-143S-0/1-0				
Sample Type:	Client				
Inject. Date:	13-Oct-2025 18:07:09	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0162929-025				
Operator ID:	knk41612	Instrument ID:	7159		
Method:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m				
Limit Group:	MSV - 8260C_D				
Last Update:	14-Oct-2025 10:35:10	Calib Date:	22-Sep-2025 22:59:14		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1605				

First Level Reviewer: FQ4L Date: 14-Oct-2025 10:36:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	49.7	99.46
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	52.5	105.05
$ 79 Toluene-d8 (Surr)	50.0	53.7	107.42
$ 144 4-Bromofluorobenzene (Surr)	50.0	49.1	98.19

Report Date: 14-Oct-2025 10:36:20 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X24.D

Injection Date: 13-Oct-2025 18:07:09 Instrument ID: 7159

Lims ID: 410-245374-A-1 Lab Sample ID: 410-245374-1

Client ID: HD-MW-143S-0/1-0

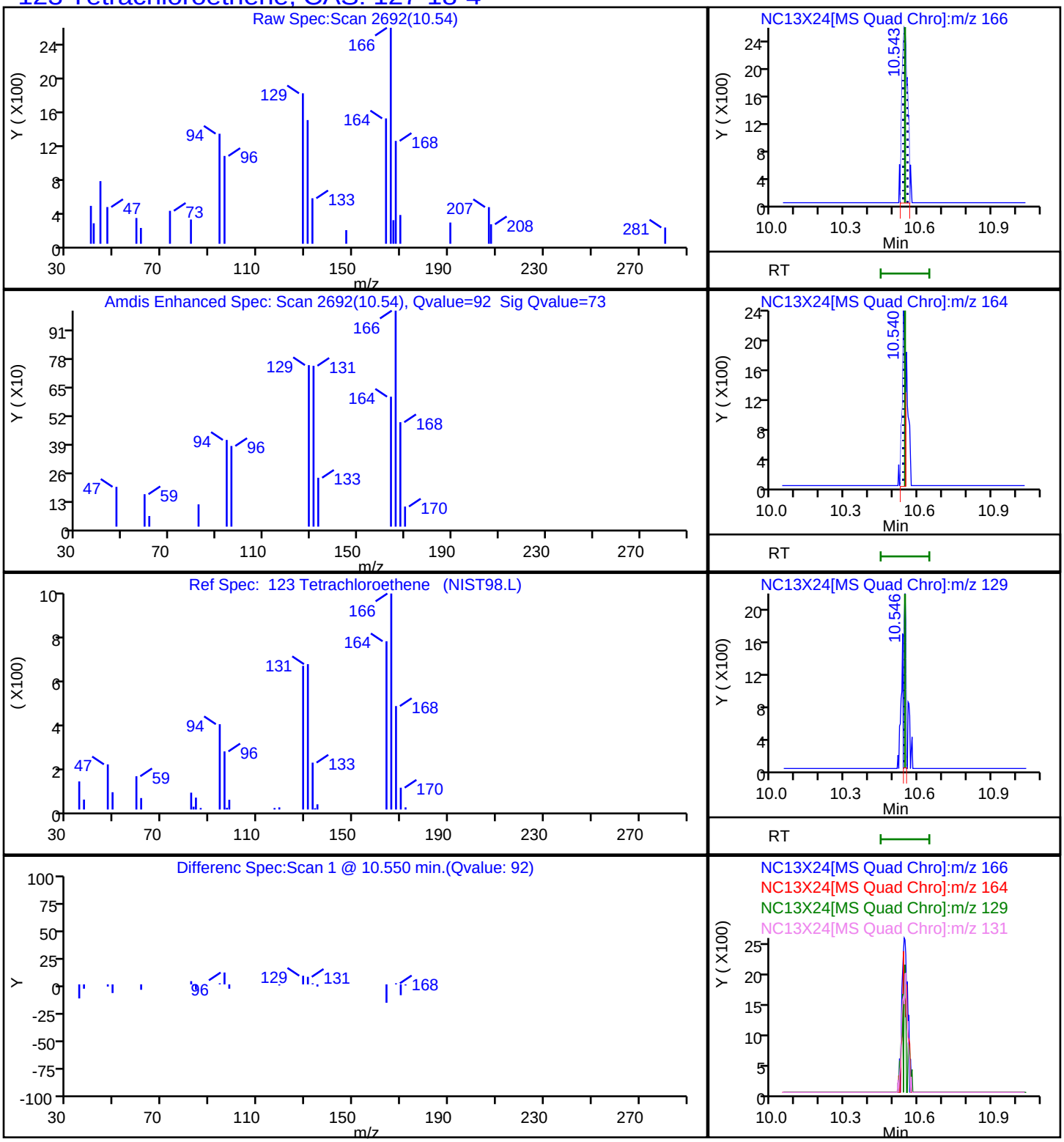
Operator ID: knk41612 ALS Bottle#: 24 Worklist Smp#: 25

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

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

123 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-143D-0/1-0
Lab Sample ID: 410-245374-2

Matrix: Water
Lab File ID: NC13X25.D

Analysis Method: 8260D
Date Collected: 10/01/2025 11:35

Sample wt/vol: 5(mL)
Date Analyzed: 10/13/2025 18:26

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.: 712932
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

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	^c *+ cn	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	^c cn	1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	^c cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	3.3		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.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-143D-0/1-0
Lab Sample ID: 410-245374-2

Matrix: Water
Lab File ID: NC13X25.D

Analysis Method: 8260D
Date Collected: 10/01/2025 11:35

Sample wt/vol: 5(mL)
Date Analyzed: 10/13/2025 18:26

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.: 712932
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	ND		1.0	0.30
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	^c cn	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)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		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\7159\20251013-162929.b\NC13X25.D
Lims ID: 410-245374-A-2
Client ID: HD-MW-143D-0/1-0
Sample Type: Client
Inject. Date: 13-Oct-2025 18:26:56 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162929-026
Operator ID: knk41612 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 10:37:15 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L Date: 14-Oct-2025 10:37:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.241				ND	7
6 Vinyl chloride	62		2.366				ND	
8 Bromomethane	94		2.707				ND	
9 Chloroethane	64		2.820				ND	
17 1,1-Dichloroethene	96		3.752				ND	7
19 Acetone	58		3.797				ND	
22 Carbon disulfide	76		4.070				ND	7
26 Methylene Chloride	84		4.492				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	4.549	4.511	0.038	1	337111	250.0	
32 Methyl tert-butyl ether	73		4.919				ND	7
31 trans-1,2-Dichloroethene	96		4.922				ND	7
35 1,1-Dichloroethane	63		5.591				ND	
40 2-Butanone (MEK)	43		6.405				ND	
41 cis-1,2-Dichloroethene	96	6.427	6.427	0.000	77	24343	3.28	a
47 Chlorobromomethane	128		6.755				ND	
49 Chloroform	83		6.903				ND	
$ 50 Dibromofluoromethane (Surr)	113	7.118	7.118	0.000	93	300008	50.2	
51 1,1,1-Trichloroethane	97		7.128				ND	
53 Carbon tetrachloride	117		7.331				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.565	7.572	-0.007	28	69984	52.0	
57 Benzene	78		7.604				ND	
59 1,2-Dichloroethane	62		7.675				ND	7
* 62 Fluorobenzene (IS)	96	8.003	7.996	0.007	100	1051040	50.0	M
65 Trichloroethene	95		8.469				ND	7
69 1,2-Dichloropropane	63		8.803				ND	
74 Dichlorobromomethane	83		9.138				ND	
77 cis-1,3-Dichloropropene	75		9.659				ND	
78 4-Methyl-2-pentanone (MIBK)	43		9.829				ND	
$ 79 Toluene-d8 (Surr)	98	9.951	9.954	-0.003	93	936569	53.3	
118 Toluene	92		10.028				ND	7
120 trans-1,3-Dichloropropene	75		10.269				ND	7
122 1,1,2-Trichloroethane	97		10.469				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
123 Tetrachloroethene	166		10.546				ND	
126 2-Hexanone	43		10.675				ND	7
128 Chlorodibromomethane	129		10.832				ND	
129 Ethylene Dibromide	107		10.942				ND	
S 130 Xylenes, Total	106		11.245				ND	7
* 131 Chlorobenzene-d5 (IS)	117	11.356	11.356	0.000	84	715811	50.0	
133 Chlorobenzene	112		11.382				ND	
134 1,1,1,2-Tetrachloroethane	131		11.459				ND	
135 Ethylbenzene	91		11.466				ND	
136 m-Xylene & p-Xylene	106		11.575				ND	7
138 o-Xylene	106		11.896				ND	
139 Styrene	104		11.909				ND	
140 Bromoform	173		12.064				ND	7
$ 144 4-Bromofluorobenzene (Surr)	95	12.331	12.331	0.000	91	321721	48.5	
145 1,1,2,2-Tetrachloroethane	83		12.430				ND	
* 160 1,4-Dichlorobenzene-d4	152	13.195	13.195	0.000	95	400688	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MSV_Cent_ISSS_00045 Amount Added: 5.00 Units: uL Run Reagent

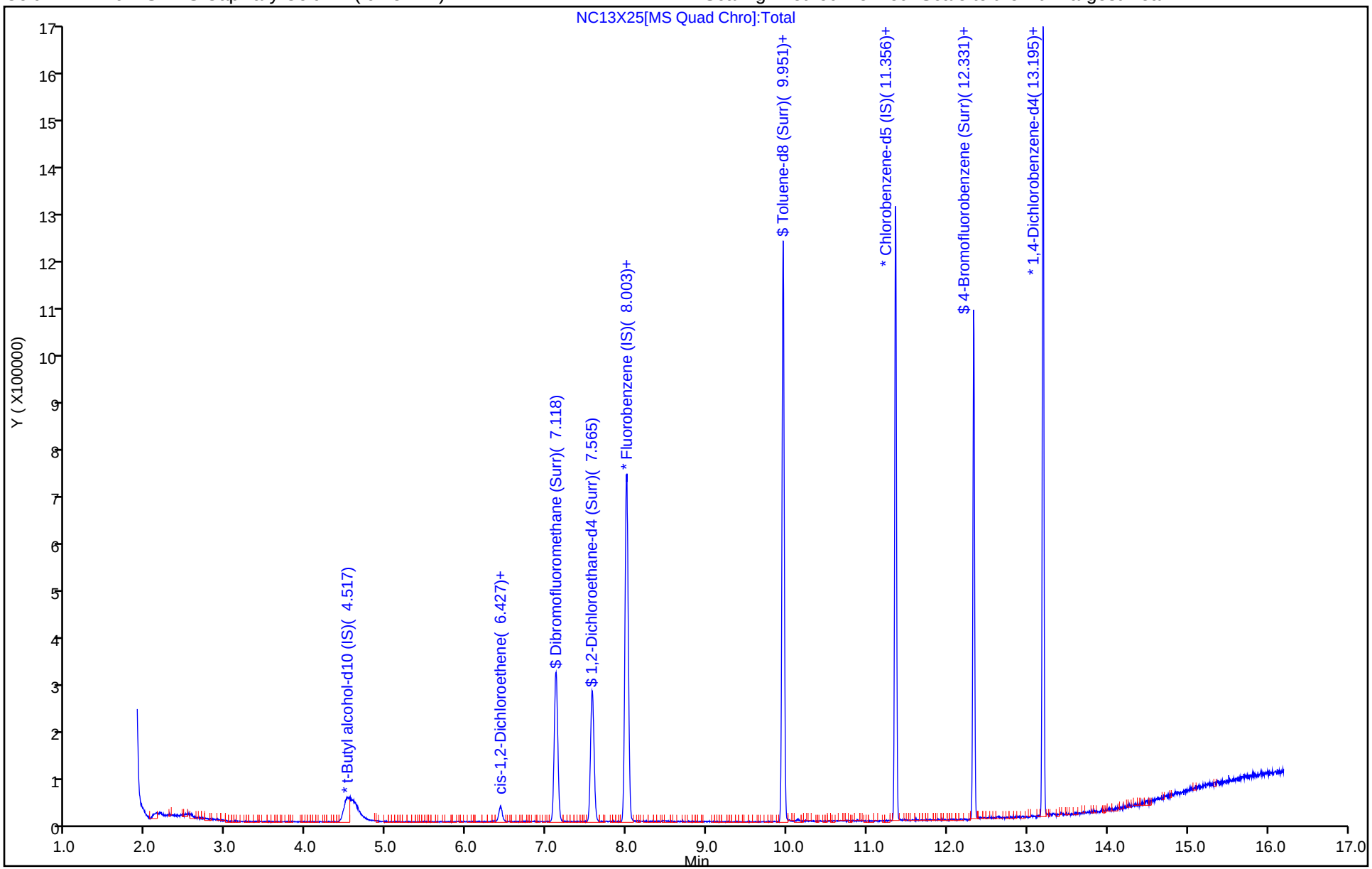
Report Date: 14-Oct-2025 10:37:16 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X25.D

Injection Date:	13-Oct-2025 18:26:56	Instrument ID:	7159	Operator ID:	knk41612
Lims ID:	410-245374-A-2	Lab Sample ID:	410-245374-2	Worklist Smp#:	26
Client ID:	HD-MW-143D-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X25.D				
Lims ID:	410-245374-A-2				
Client ID:	HD-MW-143D-0/1-0				
Sample Type:	Client				
Inject. Date:	13-Oct-2025 18:26:56	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0162929-026				
Operator ID:	knk41612	Instrument ID:	7159		
Method:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m				
Limit Group:	MSV - 8260C_D				
Last Update:	14-Oct-2025 10:37:15	Calib Date:	22-Sep-2025 22:59:14		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1605				

First Level Reviewer: FQ4L Date: 14-Oct-2025 10:37:15

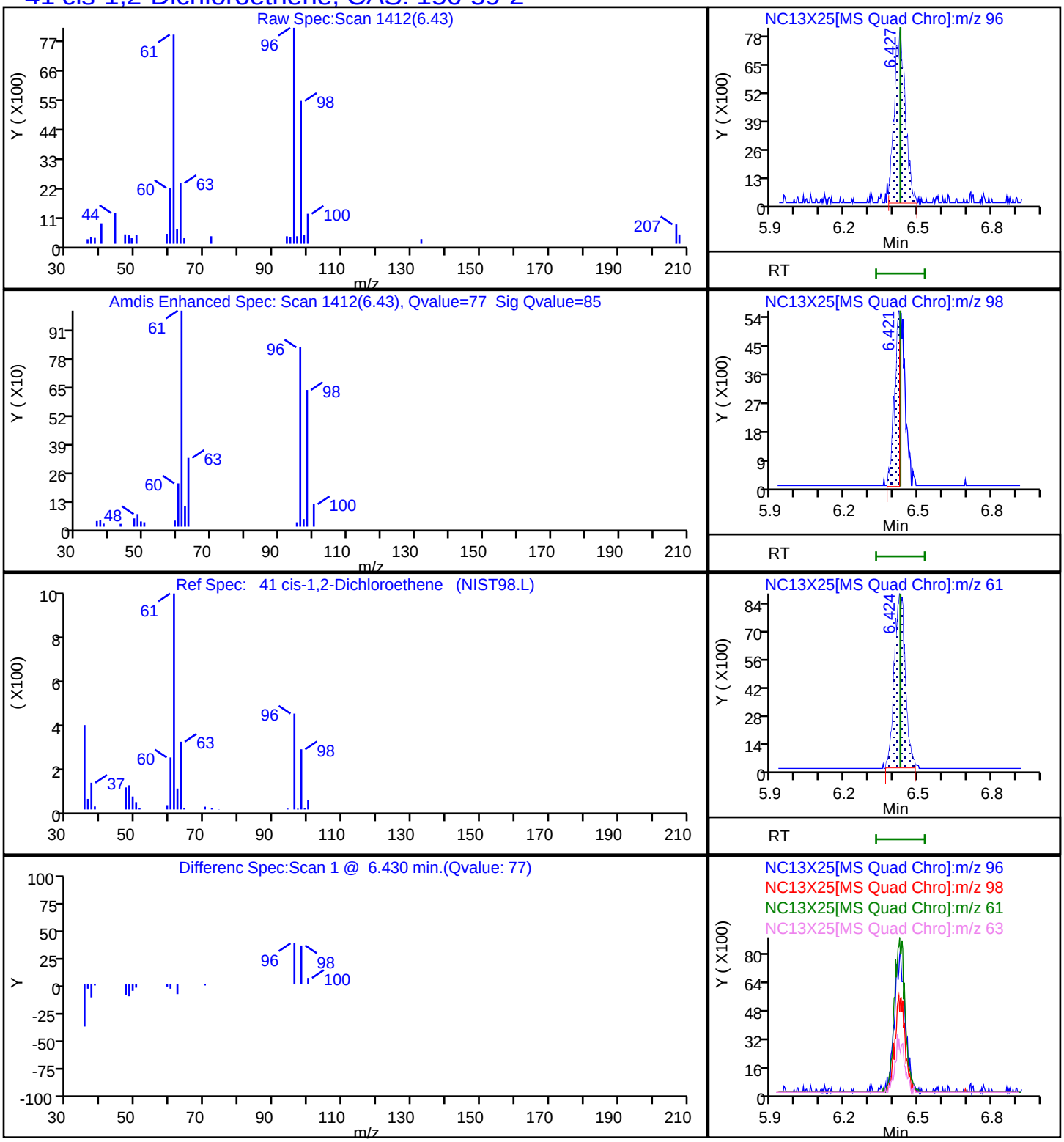
Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	50.2	100.42
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	52.0	103.95
$ 79 Toluene-d8 (Surr)	50.0	53.3	106.52
$ 144 4-Bromofluorobenzene (Surr)	50.0	48.5	96.91

Report Date: 14-Oct-2025 10:37:16 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X25.D		
Injection Date:	13-Oct-2025 18:26:56	Instrument ID:	7159
Lims ID:	410-245374-A-2	Lab Sample ID:	410-245374-2
Client ID:	HD-MW-143D-0/1-0		
Operator ID:	knk41612	ALS Bottle#:	25 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVoa_7159	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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

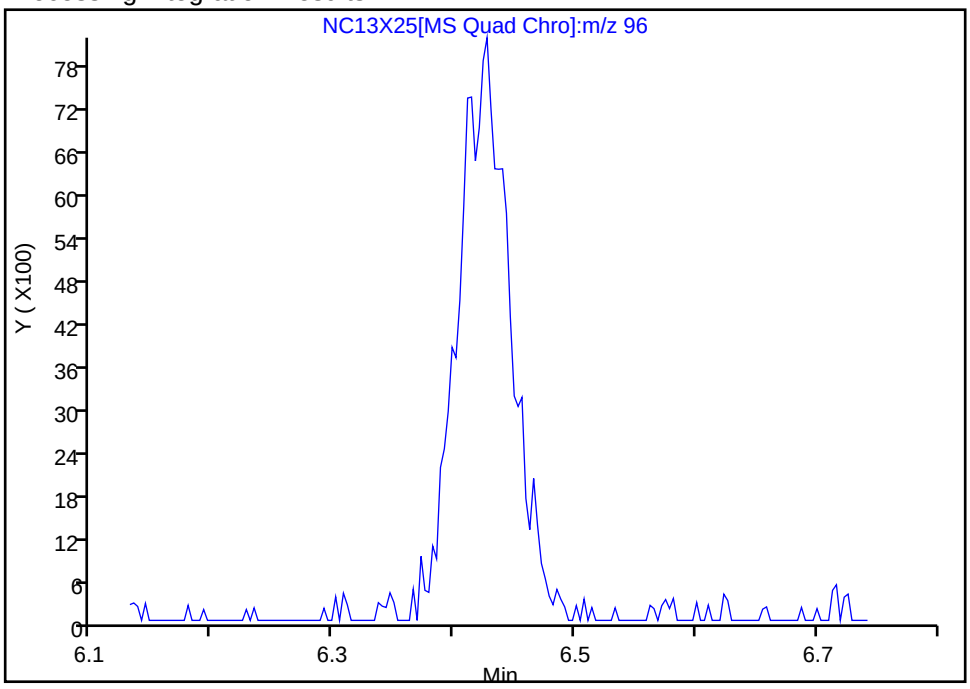
Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X25.D				
Injection Date:	13-Oct-2025 18:26:56	Instrument ID:	7159		
Lims ID:	410-245374-A-2	Lab Sample ID:	410-245374-2		
Client ID:	HD-MW-143D-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	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

Signal: 1

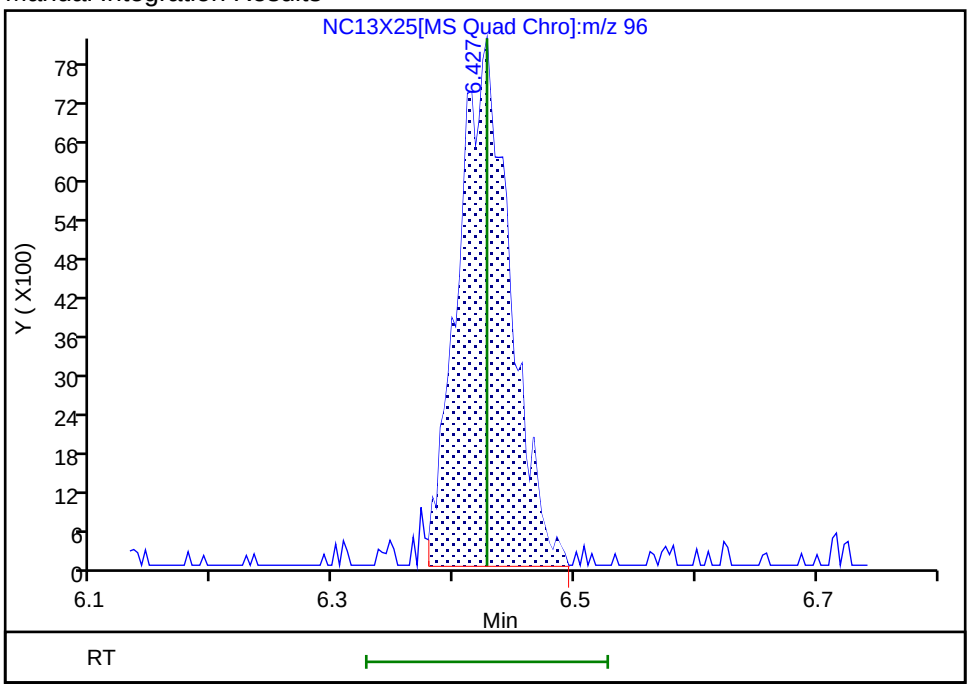
Not Detected
Expected RT: 6.43

Processing Integration Results



Manual Integration Results

RT: 6.43
Area: 24343
Amount: 3.276116
Amount Units: ug/l



Reviewer: FQ4L, 14-Oct-2025 10:37:03 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

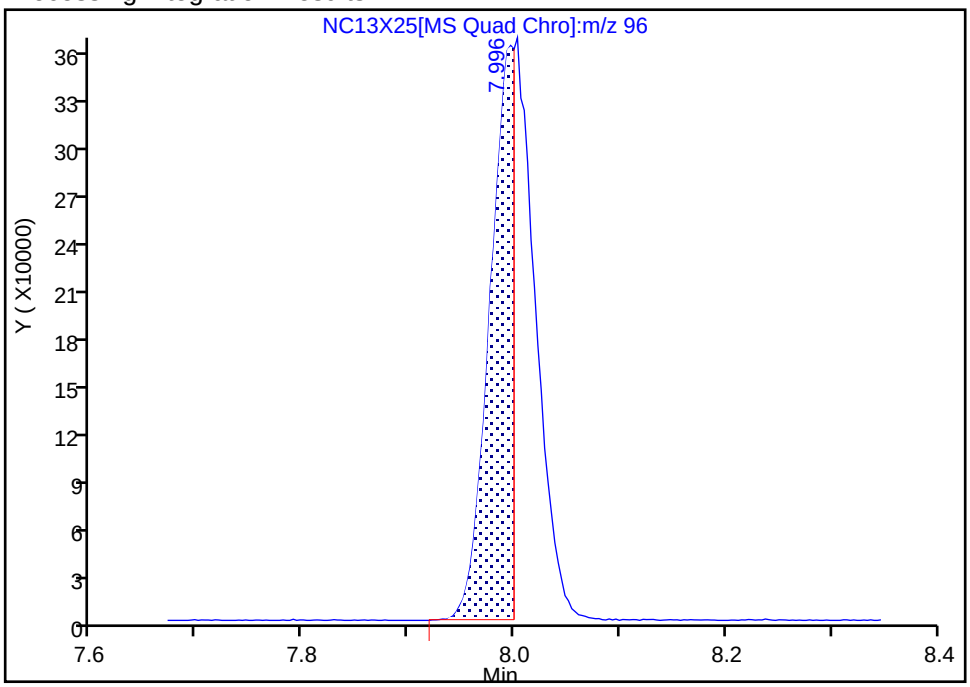
Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X25.D				
Injection Date:	13-Oct-2025 18:26:56	Instrument ID:	7159		
Lims ID:	410-245374-A-2	Lab Sample ID:	410-245374-2		
Client ID:	HD-MW-143D-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 62 Fluorobenzene (IS), CAS: 462-06-6

Signal: 1

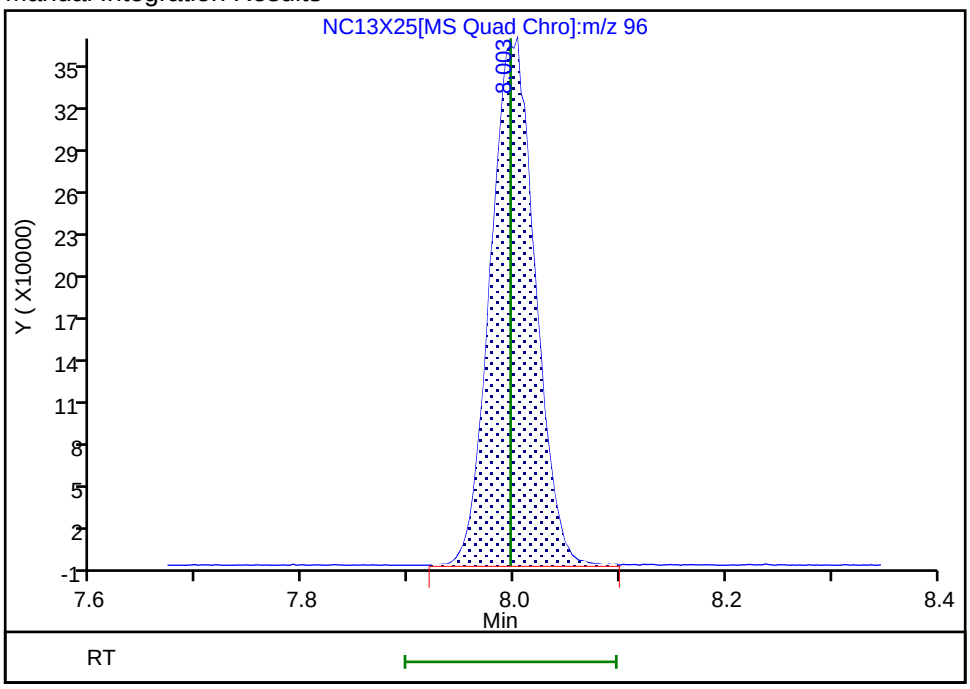
Processing Integration Results

RT: 8.00
Area: 576474
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 8.00
Area: 1051040
Amount: 50.000000
Amount Units: ug/l



Reviewer: FQ4L, 14-Oct-2025 10:36:52 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID: HD-GM-1D-0/1-0
Lab Sample ID: 410-245374-3

Matrix: Water
Lab File ID: NC13X26.D

Analysis Method: 8260D
Date Collected: 10/02/2025 09:25

Sample wt/vol: 5(mL)
Date Analyzed: 10/13/2025 18:46

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.: 712932
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

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	^c *+ cn	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	^c cn	1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	^c cn	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.: 410-245374-1

SDG No.:

Client Sample ID: HD-GM-1D-0/1-0
Lab Sample ID: 410-245374-3

Matrix: Water
Lab File ID: NC13X26.D

Analysis Method: 8260D
Date Collected: 10/02/2025 09:25

Sample wt/vol: 5(mL)
Date Analyzed: 10/13/2025 18:46

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.: 712932
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	0.47	J	1.0	0.30
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	^c cn	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)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X26.D
Lims ID: 410-245374-A-3
Client ID: HD-GM-1D-0/1-0
Sample Type: Client
Inject. Date: 13-Oct-2025 18:46:45 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162929-027
Operator ID: knk41612 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 10:37:48 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L Date: 14-Oct-2025 10:37:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.241				ND	7
6 Vinyl chloride	62		2.366				ND	7
8 Bromomethane	94		2.707				ND	
9 Chloroethane	64		2.820				ND	
17 1,1-Dichloroethene	96		3.752				ND	7
19 Acetone	58		3.797				ND	
22 Carbon disulfide	76		4.070				ND	7
26 Methylene Chloride	84		4.492				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	4.511	4.511	0.000	1	346086	250.0	
32 Methyl tert-butyl ether	73		4.919				ND	7
31 trans-1,2-Dichloroethene	96		4.922				ND	7
35 1,1-Dichloroethane	63		5.591				ND	
40 2-Butanone (MEK)	43		6.405				ND	
41 cis-1,2-Dichloroethene	96		6.427				ND	
47 Chlorobromomethane	128		6.755				ND	
49 Chloroform	83		6.903				ND	7
$ 50 Dibromofluoromethane (Surr)	113	7.119	7.118	0.000	93	307893	50.4	
51 1,1,1-Trichloroethane	97		7.128				ND	
53 Carbon tetrachloride	117		7.331				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.565	7.572	-0.007	36	72859	53.0	
57 Benzene	78		7.604				ND	
59 1,2-Dichloroethane	62		7.675				ND	
* 62 Fluorobenzene (IS)	96	8.000	7.996	0.004	99	1073685	50.0	
65 Trichloroethene	95		8.469				ND	
69 1,2-Dichloropropane	63		8.803				ND	
74 Dichlorobromomethane	83		9.138				ND	
77 cis-1,3-Dichloropropene	75		9.659				ND	
78 4-Methyl-2-pentanone (MIBK)	43		9.829				ND	7
$ 79 Toluene-d8 (Surr)	98	9.951	9.954	-0.003	93	978540	52.6	
118 Toluene	92		10.028				ND	7
120 trans-1,3-Dichloropropene	75		10.269				ND	
122 1,1,2-Trichloroethane	97		10.469				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
123 Tetrachloroethene	166	10.549	10.546	0.003	94	3826	0.4741	M
126 2-Hexanone	43		10.675				ND	7
128 Chlorodibromomethane	129		10.832				ND	
129 Ethylene Dibromide	107		10.942				ND	
S 130 Xylenes, Total	106		11.245				ND	7
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.356	-0.003	84	756813	50.0	
133 Chlorobenzene	112		11.382				ND	
134 1,1,1,2-Tetrachloroethane	131		11.459				ND	
135 Ethylbenzene	91		11.466				ND	7
136 m-Xylene & p-Xylene	106		11.575				ND	7
138 o-Xylene	106		11.896				ND	
139 Styrene	104		11.909				ND	
140 Bromoform	173		12.064				ND	7
$ 144 4-Bromofluorobenzene (Surr)	95	12.331	12.331	0.000	90	338913	48.3	
145 1,1,2,2-Tetrachloroethane	83		12.430				ND	
* 160 1,4-Dichlorobenzene-d4	152	13.196	13.195	0.001	95	403416	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_Cent_ISSS_00045 Amount Added: 5.00 Units: uL Run Reagent

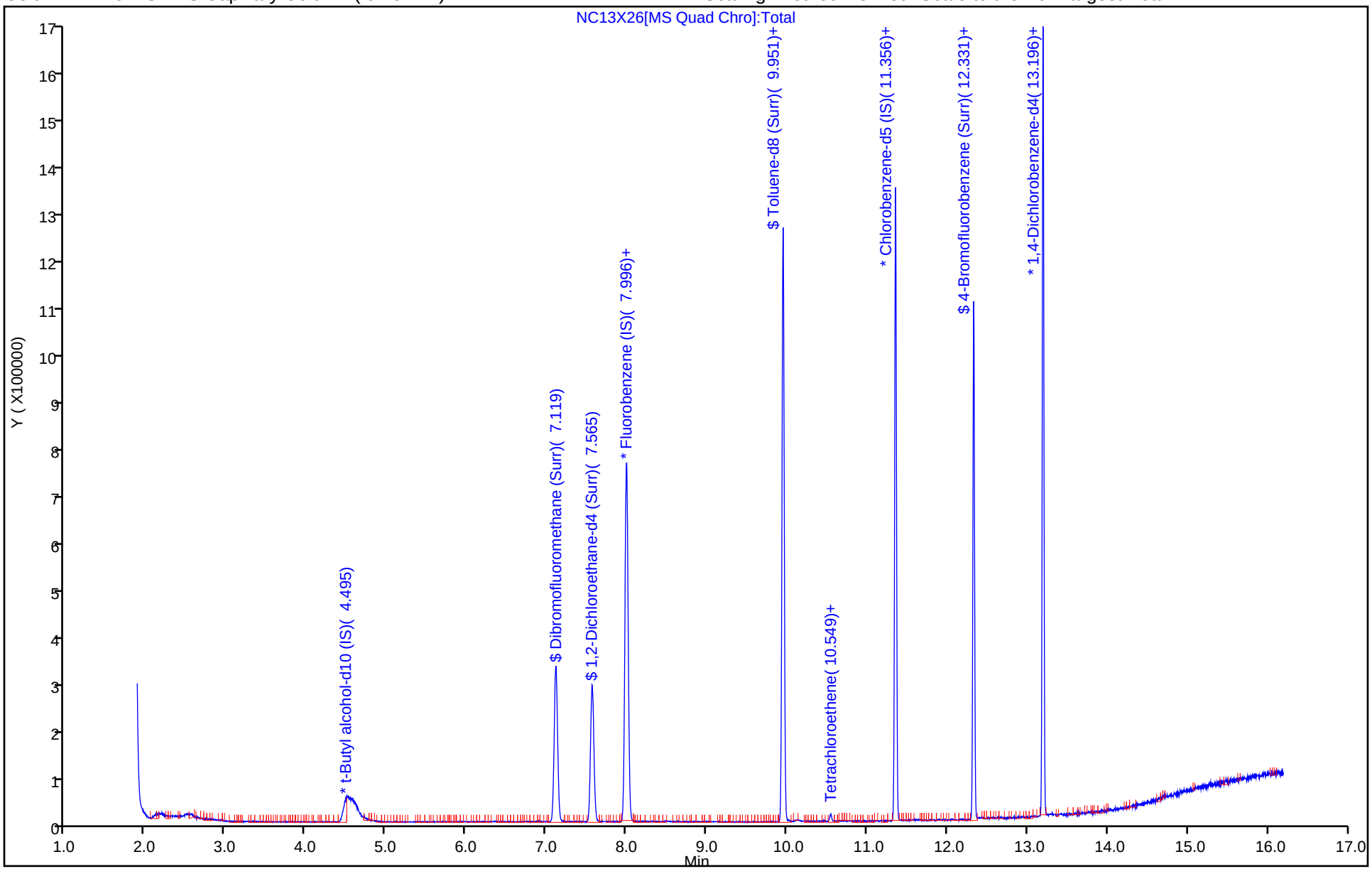
Report Date: 14-Oct-2025 10:37:49 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X26.D

Injection Date:	13-Oct-2025 18:46:45	Instrument ID:	7159	Operator ID:	knk41612
Lims ID:	410-245374-A-3	Lab Sample ID:	410-245374-3	Worklist Smp#:	27
Client ID:	HD-GM-1D-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X26.D
Lims ID: 410-245374-A-3
Client ID: HD-GM-1D-0/1-0
Sample Type: Client
Inject. Date: 13-Oct-2025 18:46:45 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162929-027
Operator ID: knk41612 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 10:37:48 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L Date: 14-Oct-2025 10:37:48

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	50.4	100.89
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	53.0	105.94
$ 79 Toluene-d8 (Surr)	50.0	52.6	105.27
$ 144 4-Bromofluorobenzene (Surr)	50.0	48.3	96.55

Report Date: 14-Oct-2025 10:37:49 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X26.D

Injection Date: 13-Oct-2025 18:46:45 Instrument ID: 7159

Lims ID: 410-245374-A-3 Lab Sample ID: 410-245374-3

Client ID: HD-GM-1D-0/1-0

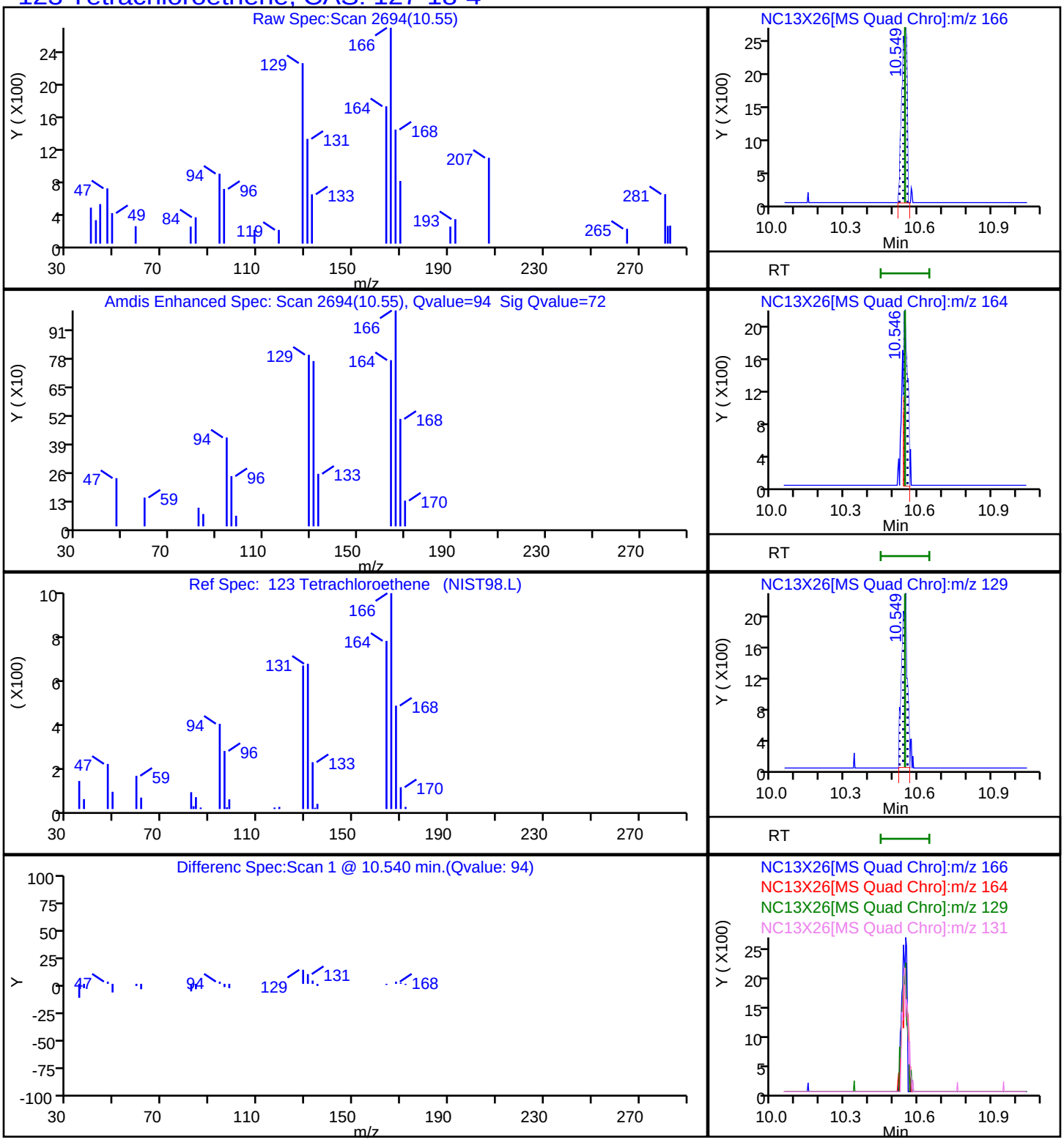
Operator ID: knk41612 ALS Bottle#: 26 Worklist Smp#: 27

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

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

123 Tetrachloroethene, CAS: 127-18-4



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

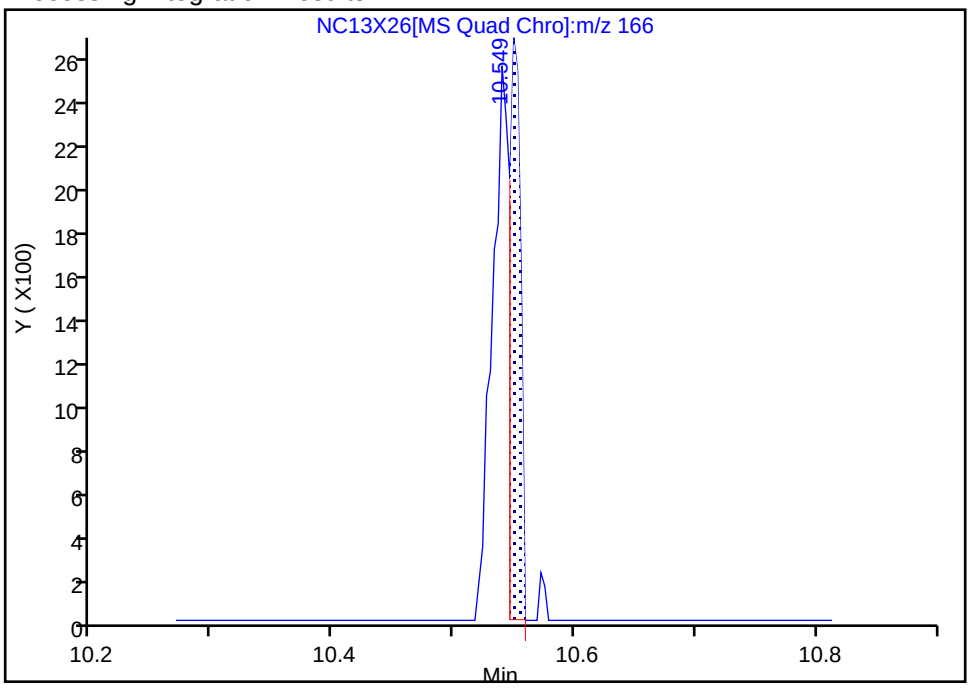
Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X26.D				
Injection Date:	13-Oct-2025 18:46:45	Instrument ID:	7159		
Lims ID:	410-245374-A-3	Lab Sample ID:	410-245374-3		
Client ID:	HD-GM-1D-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

123 Tetrachloroethene, CAS: 127-18-4

Signal: 1

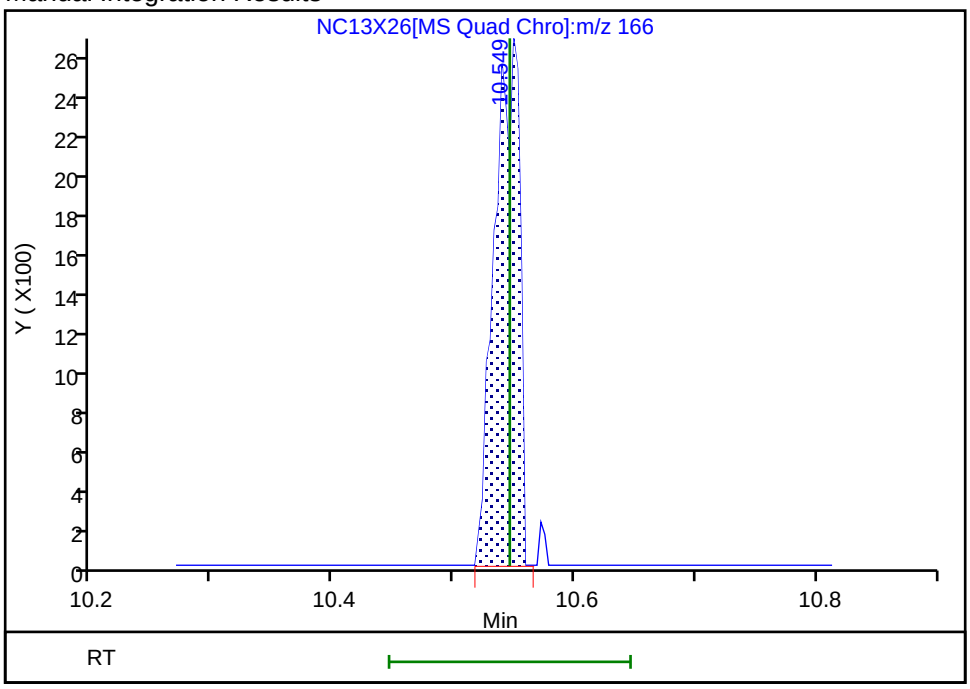
Processing Integration Results

RT: 10.55
Area: 1685
Amount: 0.208797
Amount Units: ug/l



Manual Integration Results

RT: 10.55
Area: 3826
Amount: 0.474099
Amount Units: ug/l



Reviewer: FQ4L, 14-Oct-2025 10:37:40 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-43D-0/1-0
Lab Sample ID: 410-245374-4

Matrix: Water
Lab File ID: LC14X23.D

Analysis Method: 8260D
Date Collected: 10/02/2025 13:35

Sample wt/vol: 5(mL)
Date Analyzed: 10/14/2025 19:30

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.: 713456
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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	2.8		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	3.7		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-43D-0/1-0
Lab Sample ID: 410-245374-4

Matrix: Water
Lab File ID: LC14X23.D

Analysis Method: 8260D
Date Collected: 10/02/2025 13:35

Sample wt/vol: 5(mL)
Date Analyzed: 10/14/2025 19:30

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.: 713456
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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	1.3		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)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	105		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X23.D
Lims ID: 410-245374-A-4
Client ID: HD-MW-43D-0/1-0
Sample Type: Client
Inject. Date: 14-Oct-2025 19:30:04 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-024
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 15-Oct-2025 10:09:21 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1684

First Level Reviewer: FQ4L Date: 15-Oct-2025 10:09:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.078				ND	7
7 Vinyl chloride	62		2.187				ND	
9 Bromomethane	94		2.515				ND	
10 Chloroethane	64		2.579				ND	U
18 1,1-Dichloroethene	96		3.383				ND	
19 Acetone	58		3.415				ND	
23 Carbon disulfide	76		3.682				ND	7
27 Methylene Chloride	84		4.023				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	4.094	4.110	-0.016	7	216851	250.0	
31 Methyl tert-butyl ether	73		4.412				ND	
32 trans-1,2-Dichloroethene	96		4.415				ND	U
36 1,1-Dichloroethane	63		5.094				ND	
41 2-Butanone (MEK)	43		5.939				ND	U
42 cis-1,2-Dichloroethene	96	5.927	5.943	-0.016	81	20222	2.82	
49 Chlorobromomethane	128		6.274				ND	
51 Chloroform	83		6.431				ND	
$ 52 Dibromofluoromethane (Surr)	113	6.637	6.647	-0.010	95	278901	49.4	
53 1,1,1-Trichloroethane	97		6.660				ND	
56 Carbon tetrachloride	117		6.859				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.103	7.113	-0.010	72	70627	50.4	
59 Benzene	78		7.132				ND	
60 1,2-Dichloroethane	62		7.213				ND	
* 63 Fluorobenzene (IS)	96	7.534	7.541	-0.007	99	1125683	50.0	
67 Trichloroethene	95	8.007	8.020	-0.013	97	8273	1.32	
70 1,2-Dichloropropane	63		8.361				ND	
76 Dichlorobromomethane	83		8.711				ND	
79 cis-1,3-Dichloropropene	75		9.267				ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.457				ND	7
$ 82 Toluene-d8 (Surr)	98	9.573	9.576	-0.003	93	1013962	50.5	
83 Toluene	92		9.656				ND	7
95 trans-1,3-Dichloropropene	75		9.923				ND	
118 1,1,2-Trichloroethane	97		10.132				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
119 Tetrachloroethene	166	10.206	10.206	0.000	97	24381	3.66	
122 2-Hexanone	43		10.357				ND	7
124 Chlorodibromomethane	129		10.508				ND	
125 Ethylene Dibromide	107		10.614				ND	
* 126 Chlorobenzene-d5 (IS)	117	11.049	11.052	-0.003	85	756680	50.0	
128 Chlorobenzene	112		11.077				ND	
132 1,1,1,2-Tetrachloroethane	131		11.164				ND	
133 Ethylbenzene	91		11.168				ND	7
S 134 Xylenes, Total	106		11.245				ND	7
135 m-Xylene & p-Xylene	106		11.283				ND	
137 o-Xylene	106		11.611				ND	
138 Styrene	104		11.627				ND	
139 Bromoform	173		11.782				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	95	375802	52.3	
146 1,1,2,2-Tetrachloroethane	83		12.164				ND	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	526272	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP23_ISSS_00017 Amount Added: 1.00 Units: uL Run Reagent

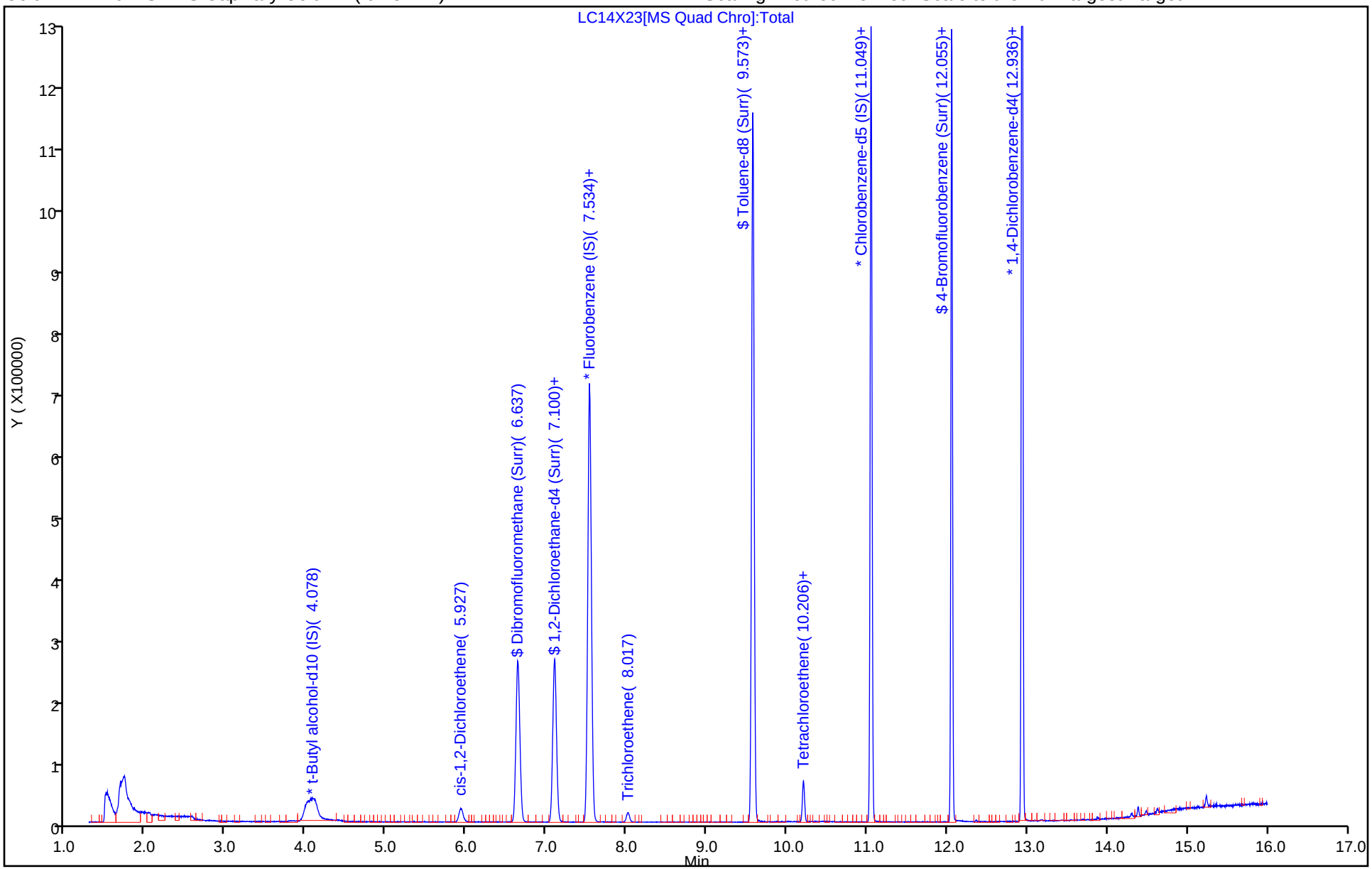
Report Date: 15-Oct-2025 10:09:22 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X23.D

Injection Date:	14-Oct-2025 19:30:04	Instrument ID:	9915	Operator ID:	clm27445
Lims ID:	410-245374-A-4	Lab Sample ID:	410-245374-4	Worklist Smp#:	24
Client ID:	HD-MW-43D-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X23.D
Lims ID: 410-245374-A-4
Client ID: HD-MW-43D-0/1-0
Sample Type: Client
Inject. Date: 14-Oct-2025 19:30:04 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-024
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 15-Oct-2025 10:09:21 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1684

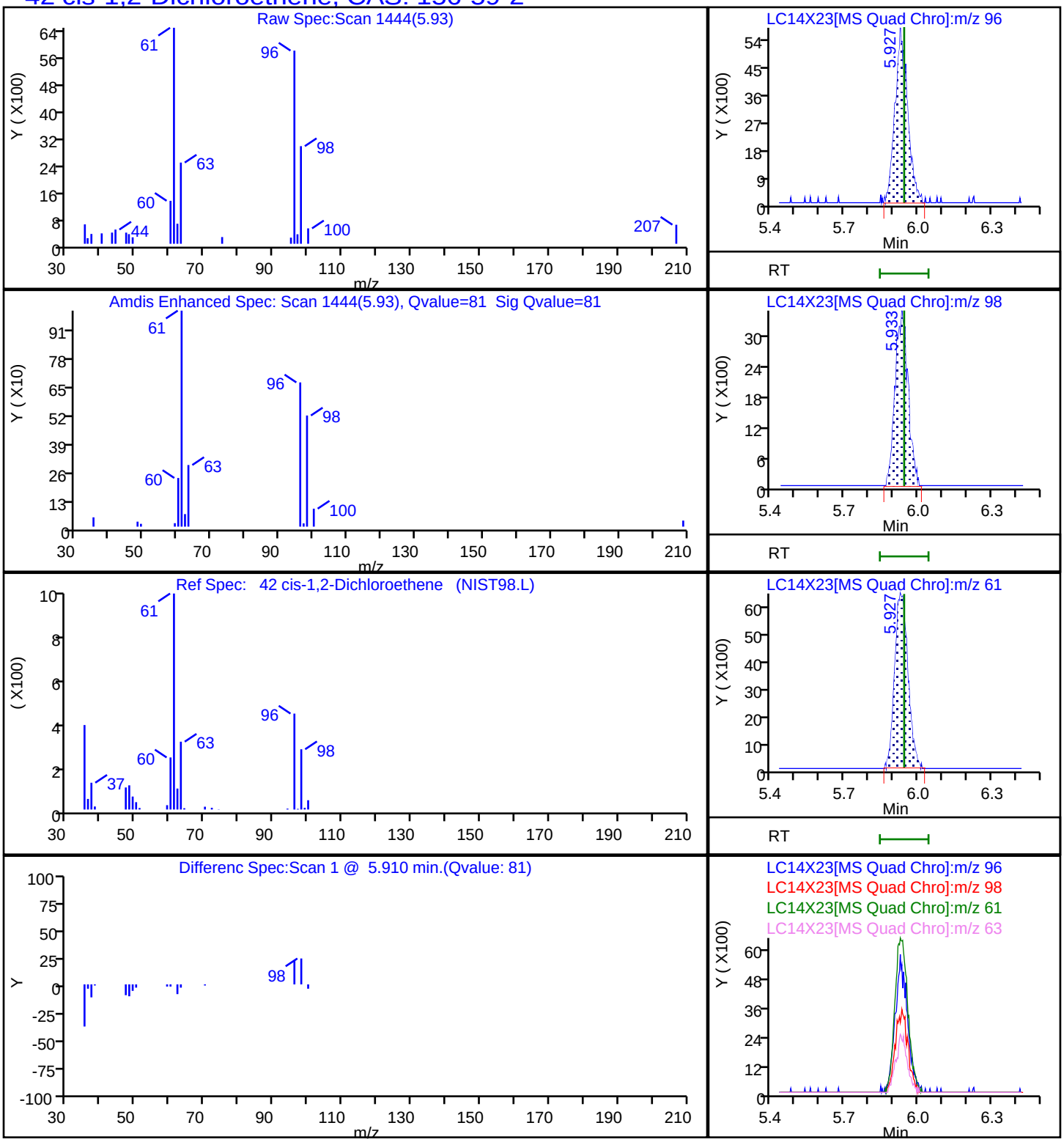
First Level Reviewer: FQ4L Date: 15-Oct-2025 10:09:21

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	49.4	98.75
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	50.4	100.89
$ 82 Toluene-d8 (Surr)	50.0	50.5	101.10
$ 143 4-Bromofluorobenzene (Surr)	50.0	52.3	104.63

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X23.D				
Injection Date:	14-Oct-2025 19:30:04	Instrument ID:	9915		
Lims ID:	410-245374-A-4	Lab Sample ID:	410-245374-4		
Client ID:	HD-MW-43D-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

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

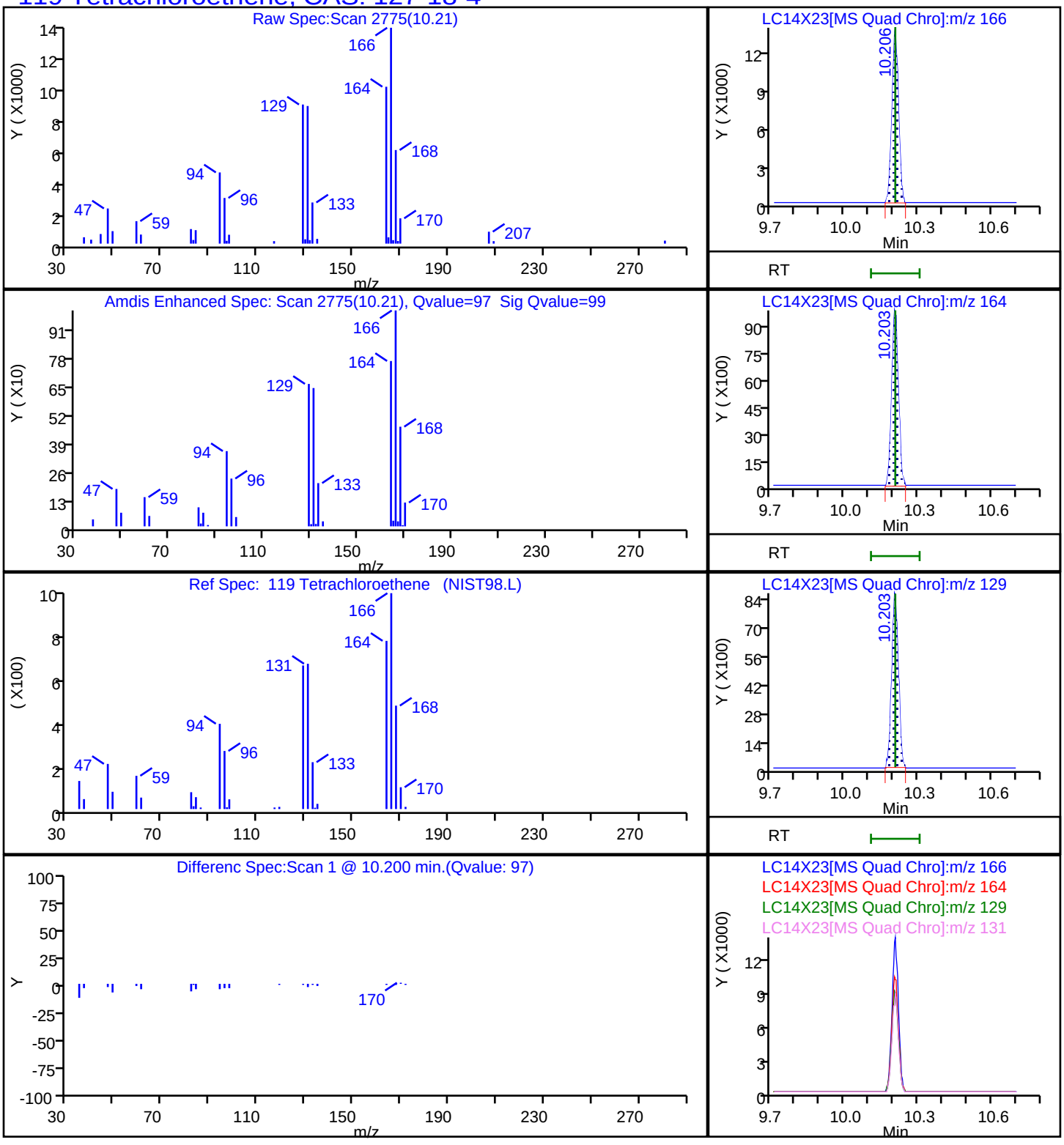


Report Date: 15-Oct-2025 10:09:22 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X23.D		
Injection Date:	14-Oct-2025 19:30:04	Instrument ID:	9915
Lims ID:	410-245374-A-4	Lab Sample ID:	410-245374-4
Client ID:	HD-MW-43D-0/1-0		
Operator ID:	clm27445	ALS Bottle#:	23 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad

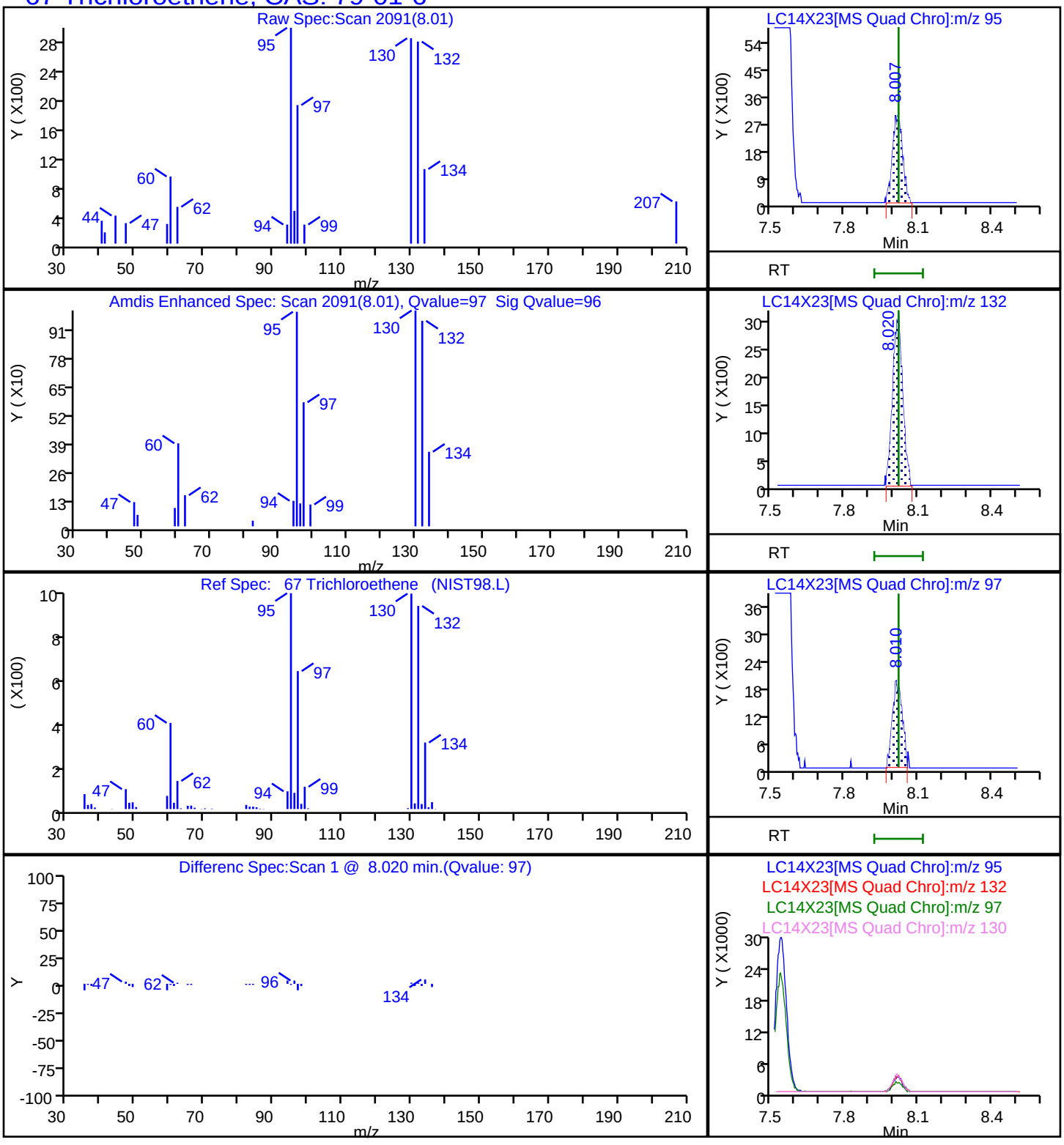
119 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X23.D		
Injection Date:	14-Oct-2025 19:30:04	Instrument ID:	9915
Lims ID:	410-245374-A-4	Lab Sample ID:	410-245374-4
Client ID:	HD-MW-43D-0/1-0		
Operator ID:	clm27445	ALS Bottle#:	23 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad

67 Trichloroethene, CAS: 79-01-6



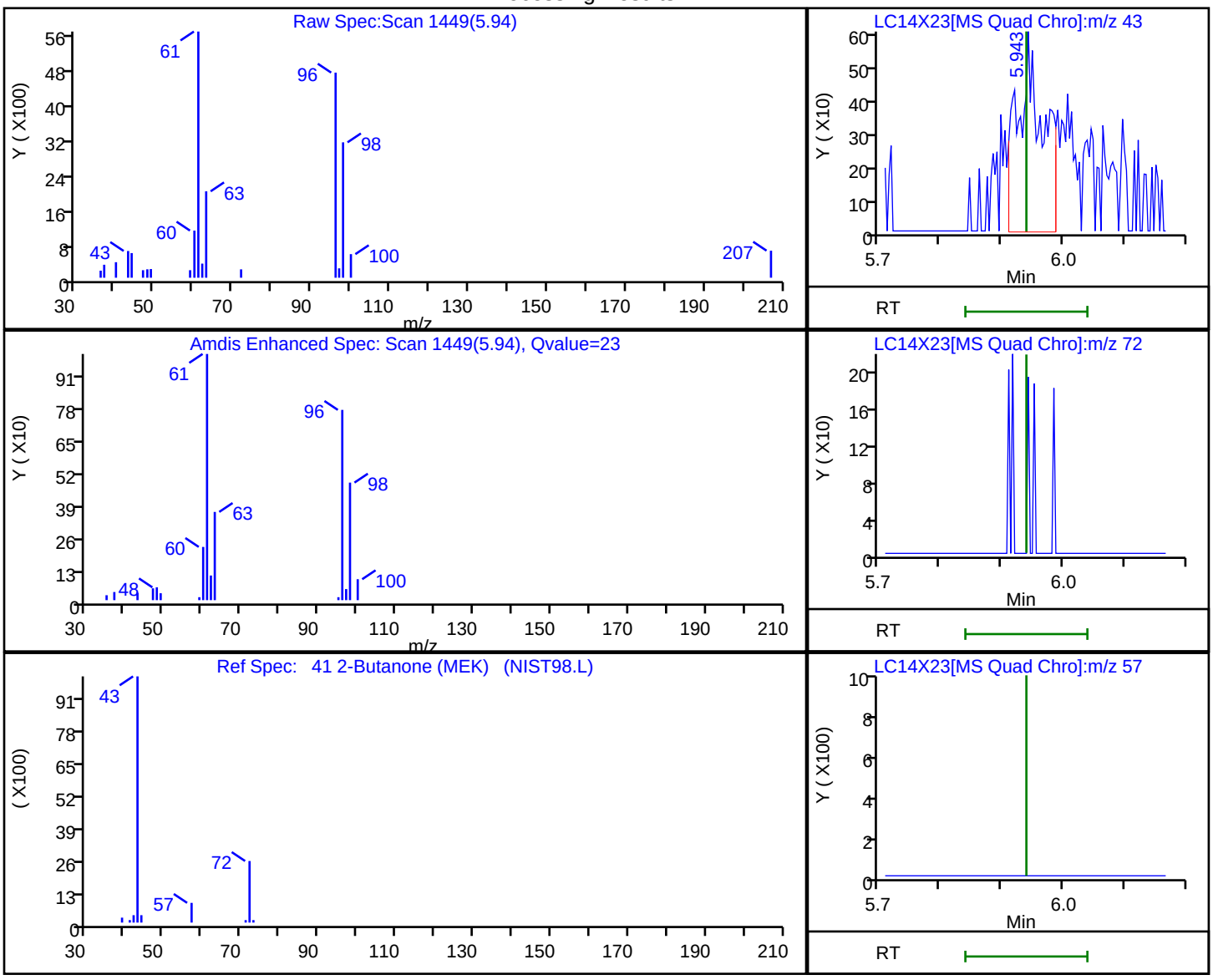
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X23.D				
Injection Date:	14-Oct-2025 19:30:04	Instrument ID:	9915		
Lims ID:	410-245374-A-4	Lab Sample ID:	410-245374-4		
Client ID:	HD-MW-43D-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

41 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
5.94	43.00	1735	0.489879
5.93	72.00	0	
5.93	57.00	0	

Reviewer: FQ4L, 15-Oct-2025 10:09:03 07:00:00 (UTC)

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

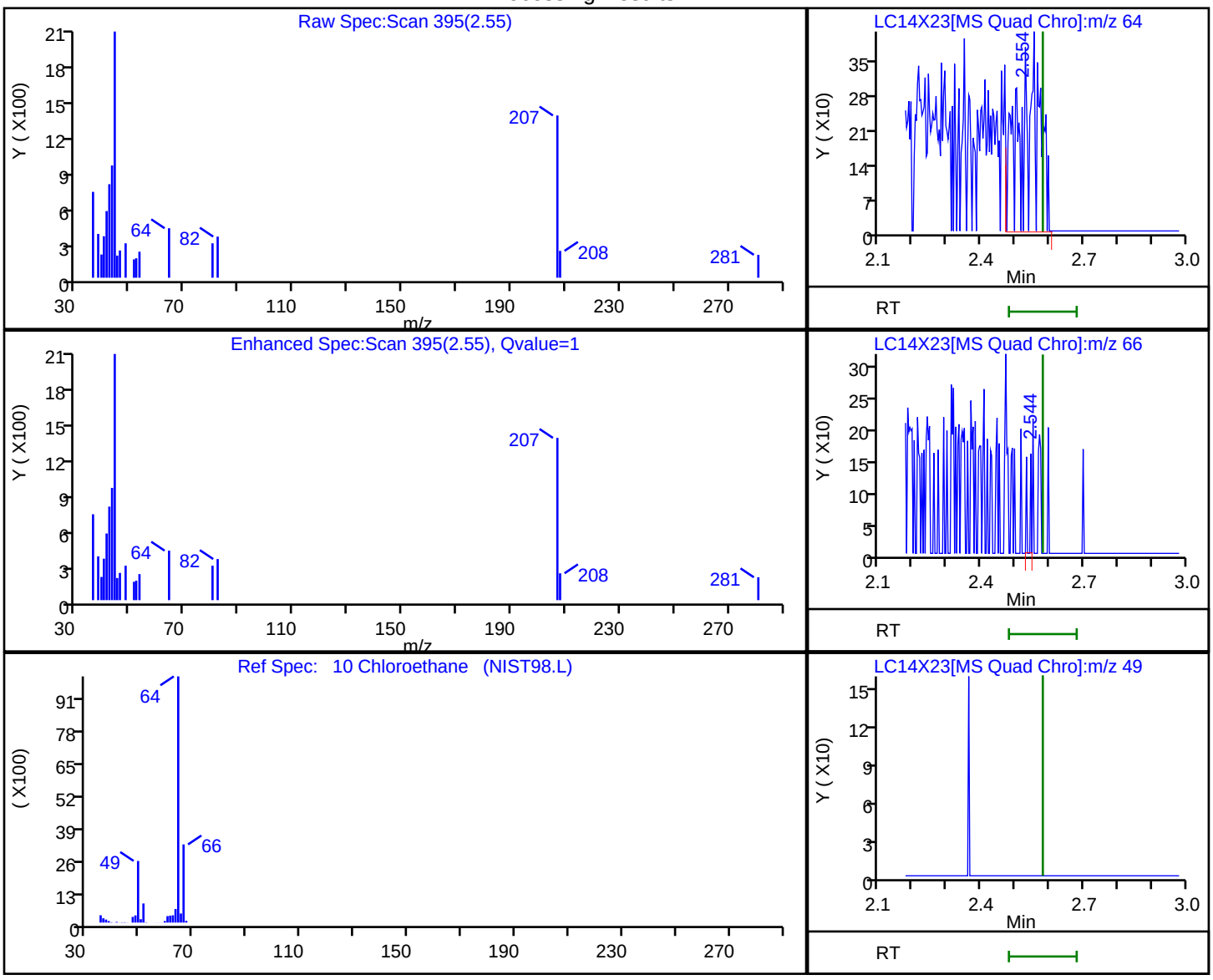
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X23.D				
Injection Date:	14-Oct-2025 19:30:04	Instrument ID:	9915		
Lims ID:	410-245374-A-4	Lab Sample ID:	410-245374-4		
Client ID:	HD-MW-43D-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.55	64.00	1505	0.273729
2.54	66.00	59	
2.56	49.00	0	

Reviewer: FQ4L, 15-Oct-2025 10:08:55 07:00:00 (UTC)

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

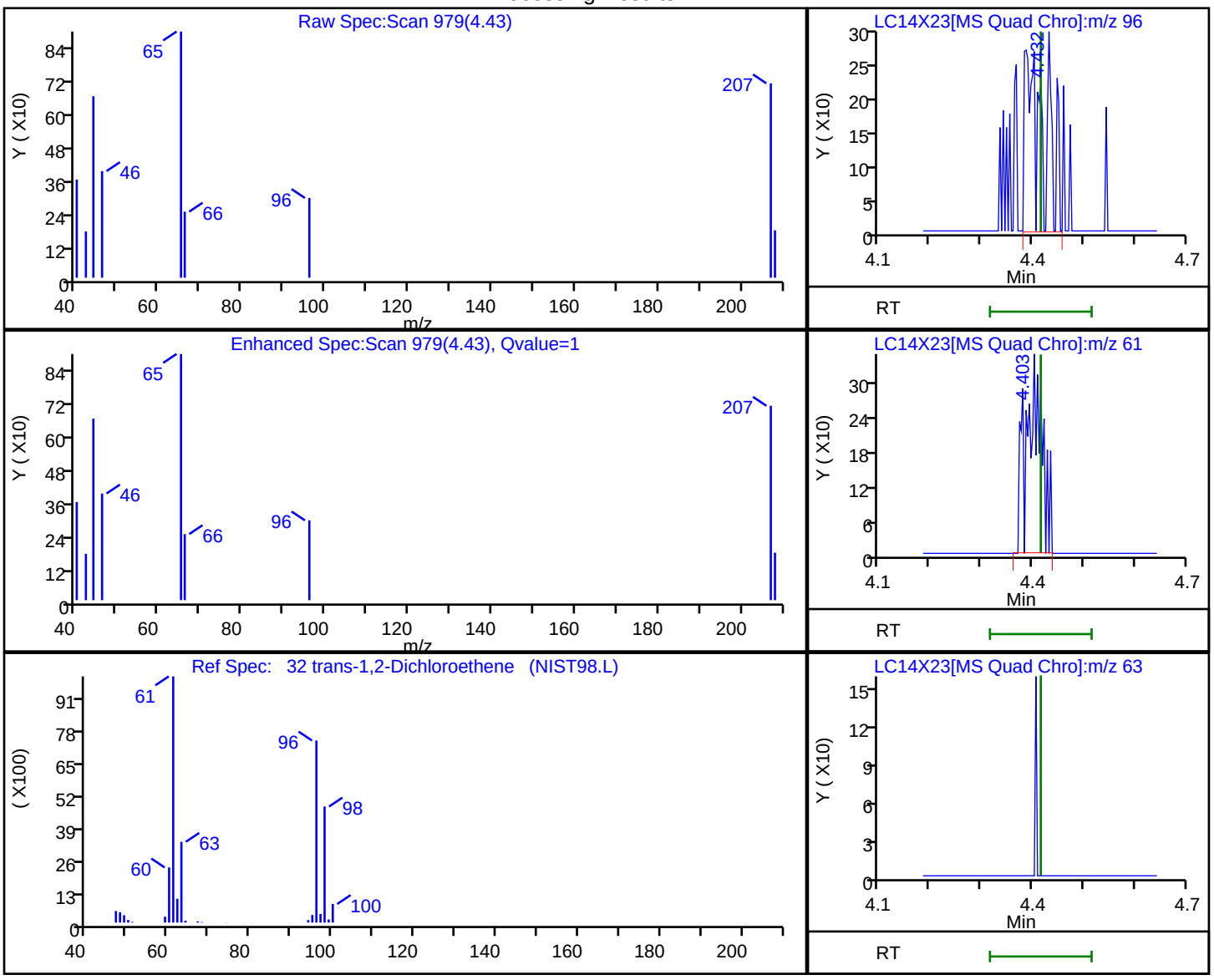
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X23.D				
Injection Date:	14-Oct-2025 19:30:04	Instrument ID:	9915		
Lims ID:	410-245374-A-4	Lab Sample ID:	410-245374-4		
Client ID:	HD-MW-43D-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

32 trans-1,2-Dichloroethene, CAS: 156-60-5

Processing Results



RT	Mass	Response	Amount
4.43	96.00	702	0.103763
4.40	61.00	746	
4.40	63.00	0	
4.40	98.00	0	

Reviewer: FQ4L, 15-Oct-2025 10:09:01 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.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-142D-0/1-0
Lab Sample ID: 410-245374-5

Matrix: Water
Lab File ID: LC14X24.D

Analysis Method: 8260D
Date Collected: 10/02/2025 14:05

Sample wt/vol: 5(mL)
Date Analyzed: 10/14/2025 19:52

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.: 713456
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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	0.45	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	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-142D-0/1-0
Lab Sample ID: 410-245374-5

Matrix: Water
Lab File ID: LC14X24.D

Analysis Method: 8260D
Date Collected: 10/02/2025 14:05

Sample wt/vol: 5(mL)
Date Analyzed: 10/14/2025 19:52

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.: 713456
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X24.D
Lims ID: 410-245374-A-5
Client ID: HD-MW-142D-0/1-0
Sample Type: Client
Inject. Date: 14-Oct-2025 19:52:16 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-025
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 15-Oct-2025 10:09:49 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1684

First Level Reviewer: FQ4L Date: 15-Oct-2025 10:09:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.078				ND	7
7 Vinyl chloride	62		2.187				ND	7
9 Bromomethane	94		2.515				ND	
10 Chloroethane	64		2.579				ND	U
18 1,1-Dichloroethene	96		3.383				ND	
19 Acetone	58		3.415				ND	
23 Carbon disulfide	76		3.682				ND	7
27 Methylene Chloride	84		4.023				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	4.087	4.110	-0.023	49	198027	250.0	
31 Methyl tert-butyl ether	73		4.412				ND	
32 trans-1,2-Dichloroethene	96		4.415				ND	
36 1,1-Dichloroethane	63		5.094				ND	
41 2-Butanone (MEK)	43		5.939				ND	
42 cis-1,2-Dichloroethene	96	5.927	5.943	-0.016	10	3007	0.4501	
49 Chlorobromomethane	128		6.274				ND	
51 Chloroform	83		6.431				ND	
$ 52 Dibromofluoromethane (Surr)	113	6.644	6.647	-0.003	94	262147	49.8	
53 1,1,1-Trichloroethane	97		6.660				ND	
56 Carbon tetrachloride	117		6.859				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.094	7.113	-0.019	72	66371	50.8	
59 Benzene	78		7.132				ND	
60 1,2-Dichloroethane	62		7.213				ND	
* 63 Fluorobenzene (IS)	96	7.534	7.541	-0.007	99	1049625	50.0	
67 Trichloroethene	95		8.020				ND	
70 1,2-Dichloropropane	63		8.361				ND	
76 Dichlorobromomethane	83		8.711				ND	
79 cis-1,3-Dichloropropene	75		9.267				ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.457				ND	
$ 82 Toluene-d8 (Surr)	98	9.573	9.576	-0.003	93	938601	50.1	
83 Toluene	92		9.656				ND	
95 trans-1,3-Dichloropropene	75		9.923				ND	
118 1,1,2-Trichloroethane	97		10.132				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
119 Tetrachloroethene	166		10.206				ND	
122 2-Hexanone	43		10.357				ND	
124 Chlorodibromomethane	129		10.508				ND	
125 Ethylene Dibromide	107		10.614				ND	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	707286	50.0	
128 Chlorobenzene	112		11.077				ND	
132 1,1,1,2-Tetrachloroethane	131		11.164				ND	
133 Ethylbenzene	91		11.168				ND	
S 134 Xylenes, Total	106		11.245				ND	7
135 m-Xylene & p-Xylene	106		11.283				ND	7
137 o-Xylene	106		11.611				ND	
138 Styrene	104		11.627				ND	
139 Bromoform	173		11.782				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	96	347368	51.7	
146 1,1,2,2-Tetrachloroethane	83		12.164				ND	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	489375	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP23_ISSS_00017 Amount Added: 1.00 Units: uL Run Reagent

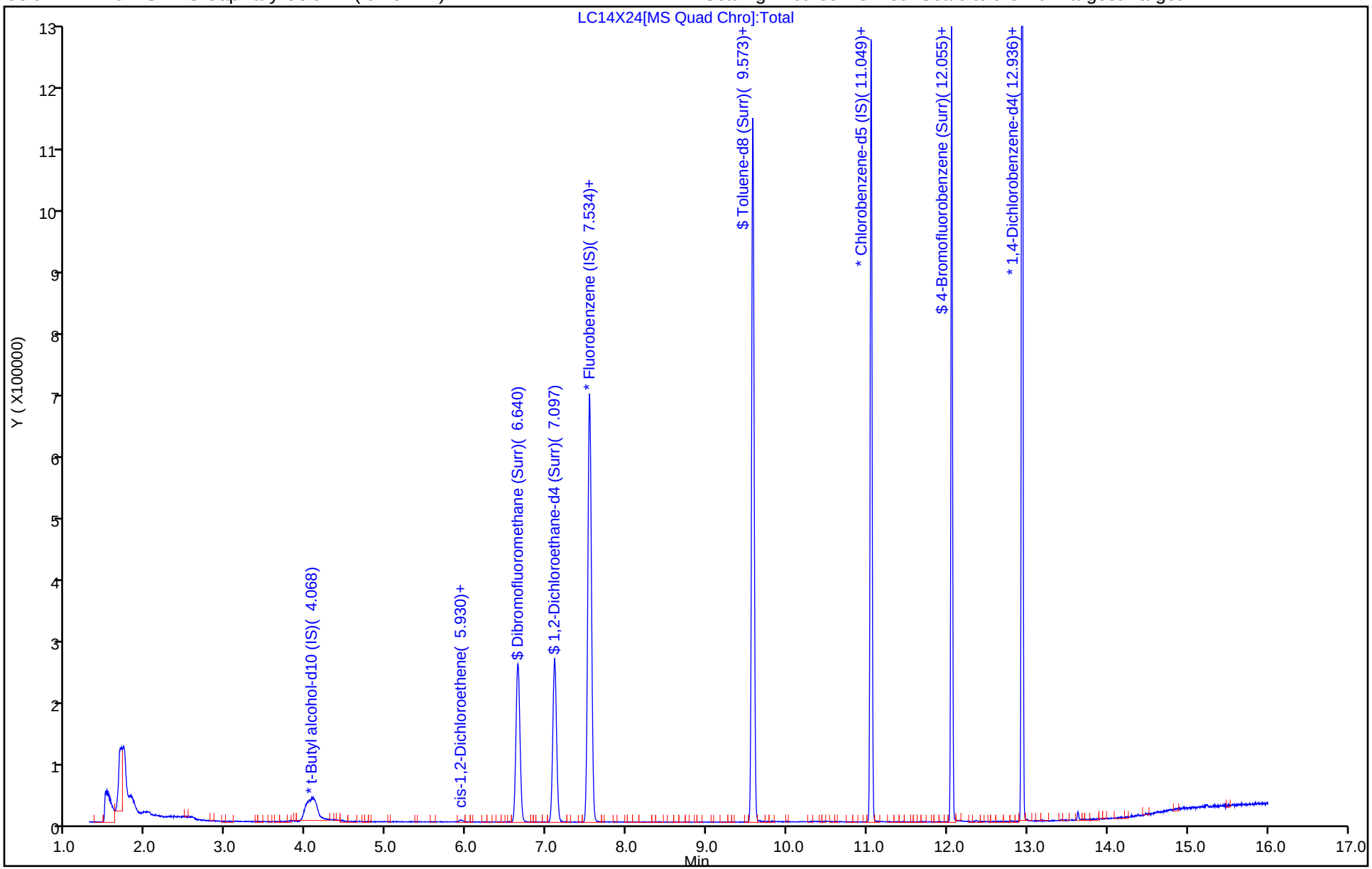
Report Date: 15-Oct-2025 10:09:50 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X24.D

Injection Date:	14-Oct-2025 19:52:16	Instrument ID:	9915	Operator ID:	clm27445
Lims ID:	410-245374-A-5	Lab Sample ID:	410-245374-5	Worklist Smp#:	25
Client ID:	HD-MW-142D-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X24.D
Lims ID: 410-245374-A-5
Client ID: HD-MW-142D-0/1-0
Sample Type: Client
Inject. Date: 14-Oct-2025 19:52:16 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-025
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 15-Oct-2025 10:09:49 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1684

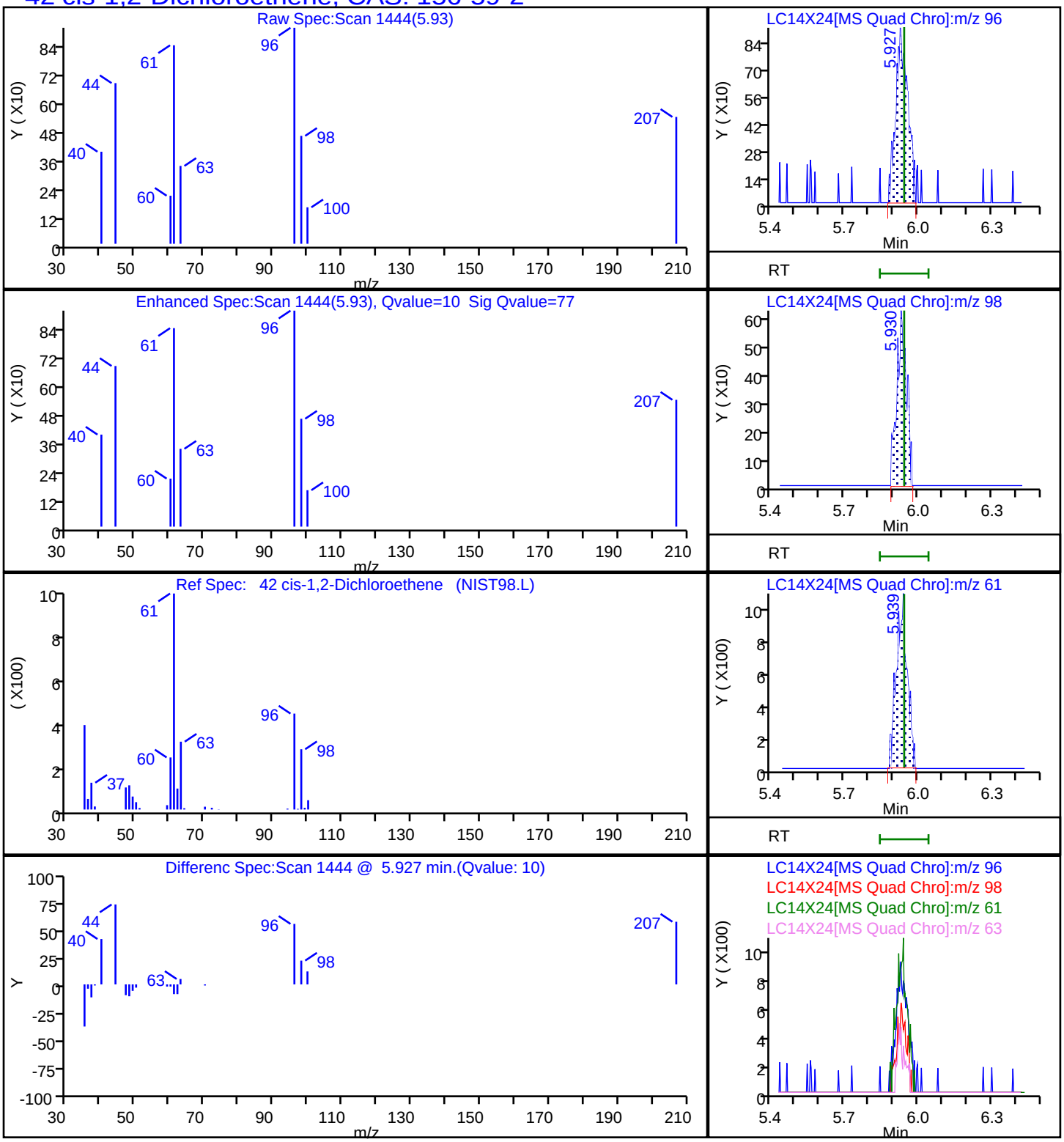
First Level Reviewer: FQ4L Date: 15-Oct-2025 10:09:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	49.8	99.54
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	50.8	101.68
$ 82 Toluene-d8 (Surr)	50.0	50.1	100.12
$ 143 4-Bromofluorobenzene (Surr)	50.0	51.7	103.47

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X24.D				
Injection Date:	14-Oct-2025 19:52:16	Instrument ID:	9915		
Lims ID:	410-245374-A-5	Lab Sample ID:	410-245374-5		
Client ID:	HD-MW-142D-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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



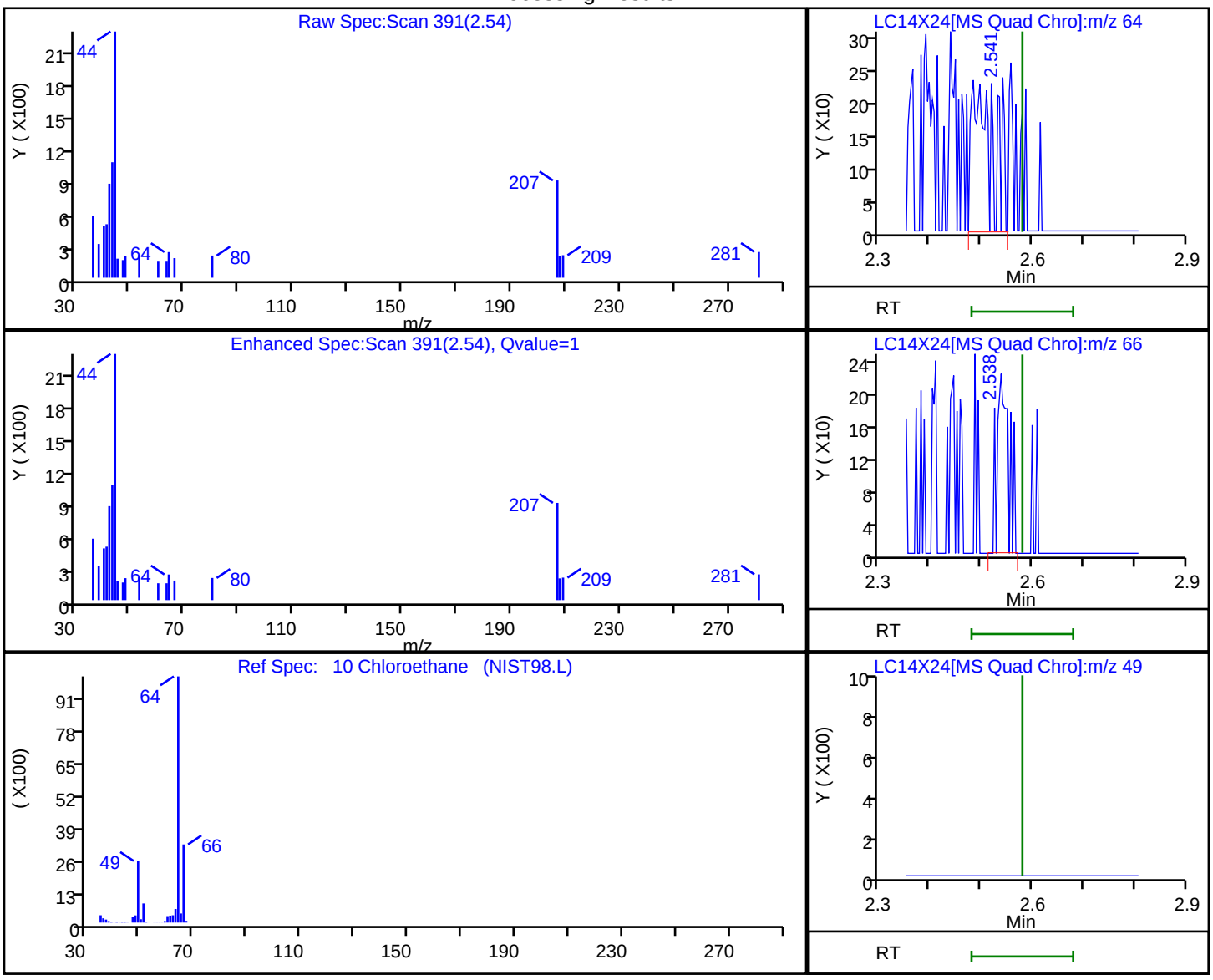
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X24.D				
Injection Date:	14-Oct-2025 19:52:16	Instrument ID:	9915		
Lims ID:	410-245374-A-5	Lab Sample ID:	410-245374-5		
Client ID:	HD-MW-142D-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.54	64.00	666	0.129910
2.54	66.00	343	
2.56	49.00	0	

Reviewer: FQ4L, 15-Oct-2025 10:09:37 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.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-150-0/1-0
Lab Sample ID: 410-245374-6

Matrix: Water
Lab File ID: LC14X25.D

Analysis Method: 8260D
Date Collected: 10/02/2025 11:40

Sample wt/vol: 5(mL)
Date Analyzed: 10/14/2025 20:14

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.: 713456
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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	0.47	J	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	35		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.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-150-0/1-0
Lab Sample ID: 410-245374-6

Matrix: Water
Lab File ID: LC14X25.D

Analysis Method: 8260D
Date Collected: 10/02/2025 11:40

Sample wt/vol: 5(mL)
Date Analyzed: 10/14/2025 20:14

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.: 713456
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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	22		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)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X25.D
Lims ID: 410-245374-A-6
Client ID: HD-MW-150-0/1-0
Sample Type: Client
Inject. Date: 14-Oct-2025 20:14:33 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-026
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 15-Oct-2025 10:10:17 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1684

First Level Reviewer: FQ4L Date: 15-Oct-2025 10:10:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.078				ND	
7 Vinyl chloride	62		2.187				ND	7
9 Bromomethane	94		2.515				ND	
10 Chloroethane	64		2.579				ND	U
18 1,1-Dichloroethene	96	3.364	3.383	-0.019	32	2643	0.4721	
19 Acetone	58		3.415				ND	
23 Carbon disulfide	76		3.682				ND	7
27 Methylene Chloride	84		4.023				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	4.087	4.110	-0.023	51	197880	250.0	
31 Methyl tert-butyl ether	73		4.412				ND	
32 trans-1,2-Dichloroethene	96	4.415	4.415	0.000	1	918	0.1419	
36 1,1-Dichloroethane	63		5.094				ND	
41 2-Butanone (MEK)	43		5.939				ND	
42 cis-1,2-Dichloroethene	96	5.936	5.943	-0.007	79	239729	35.0	
49 Chlorobromomethane	128		6.274				ND	
51 Chloroform	83		6.431				ND	
$ 52 Dibromofluoromethane (Surr)	113	6.647	6.647	0.000	95	270873	50.1	
53 1,1,1-Trichloroethane	97		6.660				ND	
56 Carbon tetrachloride	117		6.859				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.103	7.113	-0.010	72	67702	50.6	
59 Benzene	78		7.132				ND	
60 1,2-Dichloroethane	62		7.213				ND	
* 63 Fluorobenzene (IS)	96	7.537	7.541	-0.004	99	1076718	50.0	
67 Trichloroethene	95	8.016	8.020	-0.004	96	129442	21.7	
70 1,2-Dichloropropane	63		8.361				ND	
76 Dichlorobromomethane	83		8.711				ND	
79 cis-1,3-Dichloropropene	75		9.267				ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.457				ND	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	972093	50.2	
83 Toluene	92		9.656				ND	7
95 trans-1,3-Dichloropropene	75		9.923				ND	
118 1,1,2-Trichloroethane	97		10.132				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
119 Tetrachloroethene	166		10.206				ND	
122 2-Hexanone	43		10.357				ND	
124 Chlorodibromomethane	129		10.508				ND	
125 Ethylene Dibromide	107		10.614				ND	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	730413	50.0	
128 Chlorobenzene	112		11.077				ND	
132 1,1,1,2-Tetrachloroethane	131		11.164				ND	
133 Ethylbenzene	91		11.168				ND	
S 134 Xylenes, Total	106		11.245				ND	7
135 m-Xylene & p-Xylene	106		11.283				ND	
137 o-Xylene	106		11.611				ND	
138 Styrene	104		11.627				ND	
139 Bromoform	173		11.782				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	95	358342	51.7	
146 1,1,2,2-Tetrachloroethane	83		12.164				ND	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	500982	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP23_ISSS_00017 Amount Added: 1.00 Units: uL Run Reagent

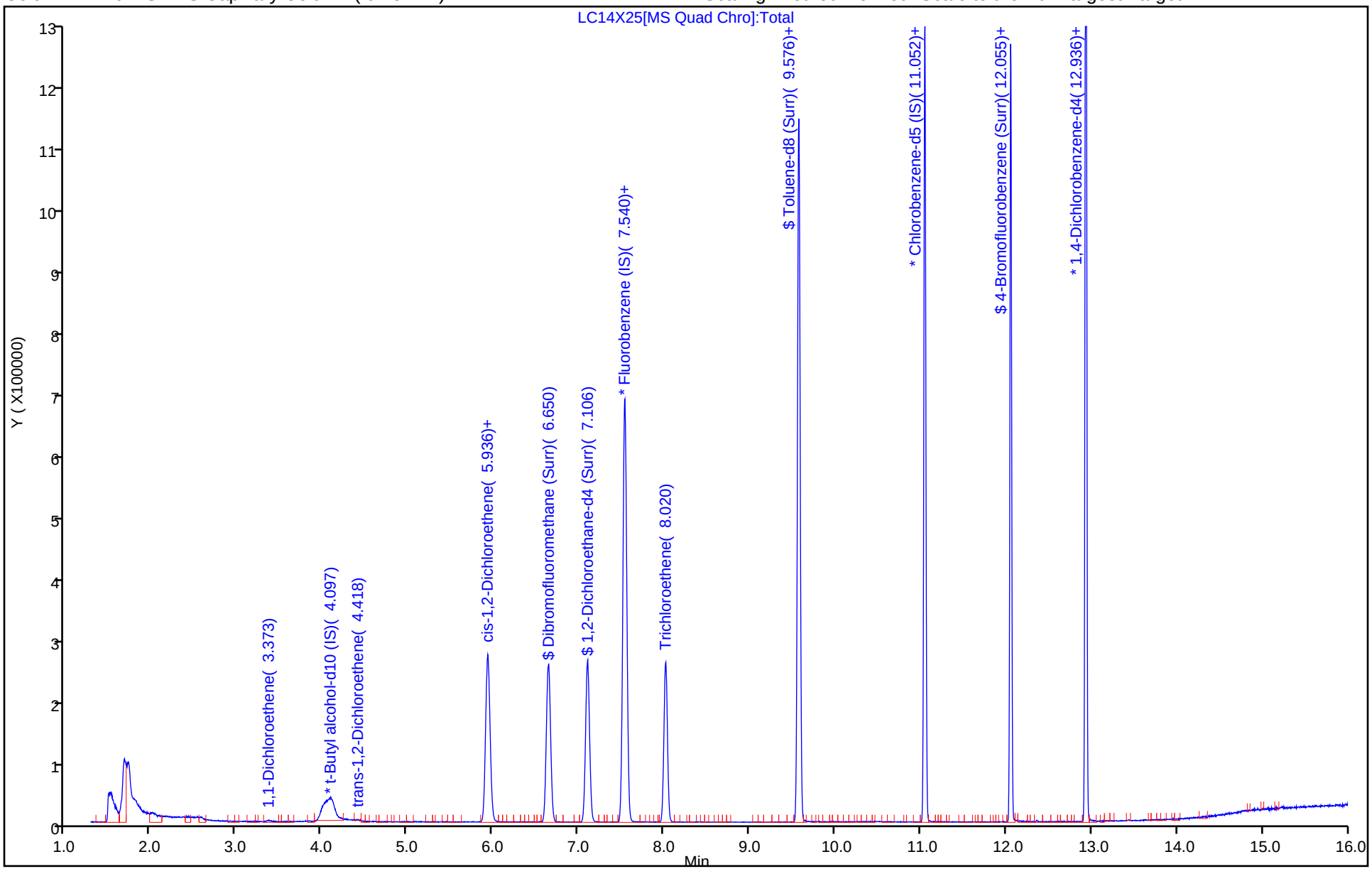
Report Date: 15-Oct-2025 10:10:18 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X25.D

Injection Date:	14-Oct-2025 20:14:33	Instrument ID:	9915	Operator ID:	clm27445
Lims ID:	410-245374-A-6	Lab Sample ID:	410-245374-6	Worklist Smp#:	26
Client ID:	HD-MW-150-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X25.D
Lims ID: 410-245374-A-6
Client ID: HD-MW-150-0/1-0
Sample Type: Client
Inject. Date: 14-Oct-2025 20:14:33 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-026
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 15-Oct-2025 10:10:17 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1684

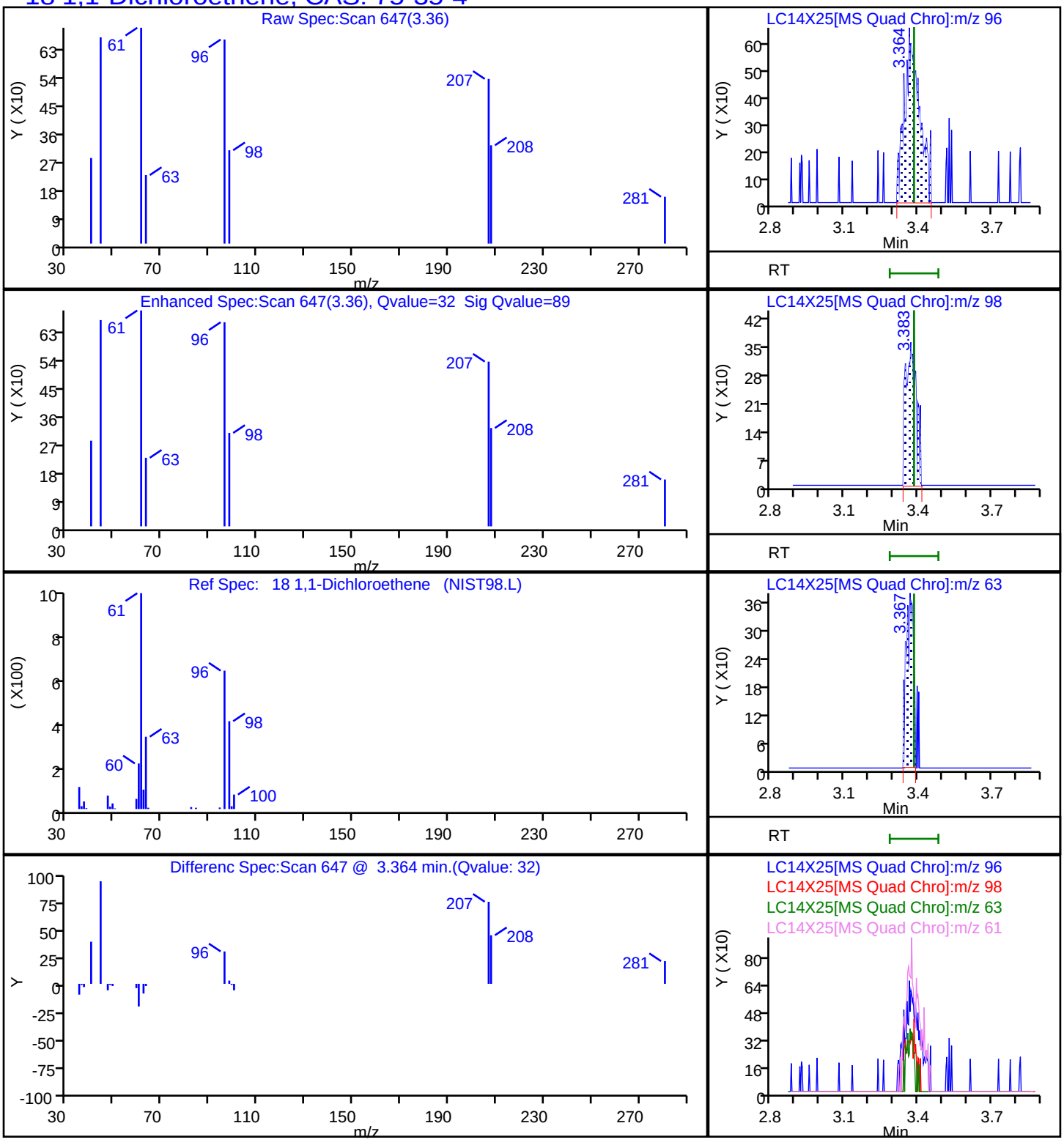
First Level Reviewer: FQ4L Date: 15-Oct-2025 10:10:17

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	50.1	100.27
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	50.6	101.11
$ 82 Toluene-d8 (Surr)	50.0	50.2	100.41
$ 143 4-Bromofluorobenzene (Surr)	50.0	51.7	103.36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X25.D				
Injection Date:	14-Oct-2025 20:14:33	Instrument ID:	9915		
Lims ID:	410-245374-A-6	Lab Sample ID:	410-245374-6		
Client ID:	HD-MW-150-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

18 1,1-Dichloroethene, CAS: 75-35-4



Report Date: 15-Oct-2025 10:10:18 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X25.D

Injection Date: 14-Oct-2025 20:14:33 Instrument ID: 9915

Lims ID: 410-245374-A-6 Lab Sample ID: 410-245374-6

Client ID: HD-MW-150-0/1-0

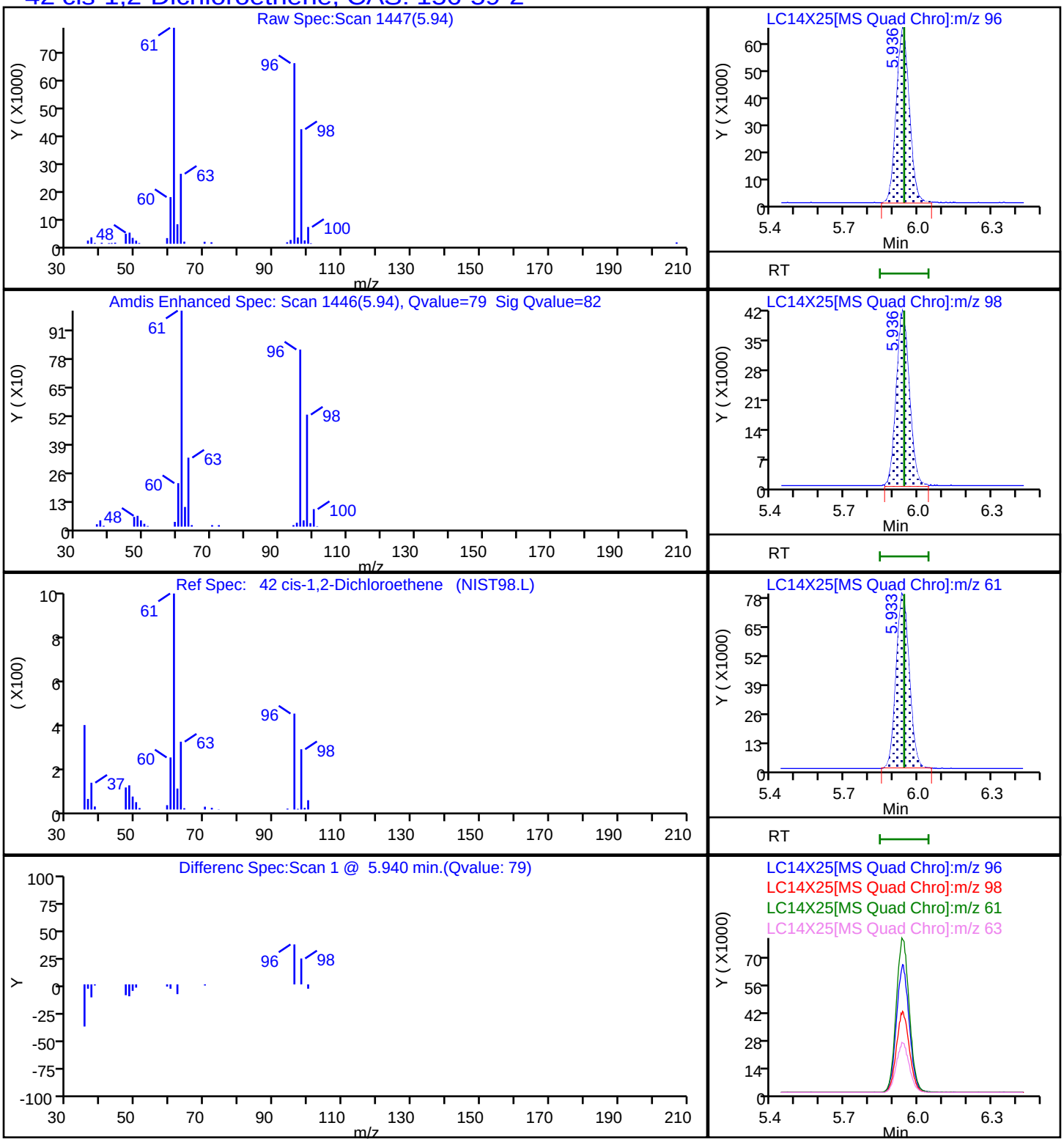
Operator ID: clm27445 ALS Bottle#: 25 Worklist Smp#: 26

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_9915a Limit Group: MSV - 8260C_D

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

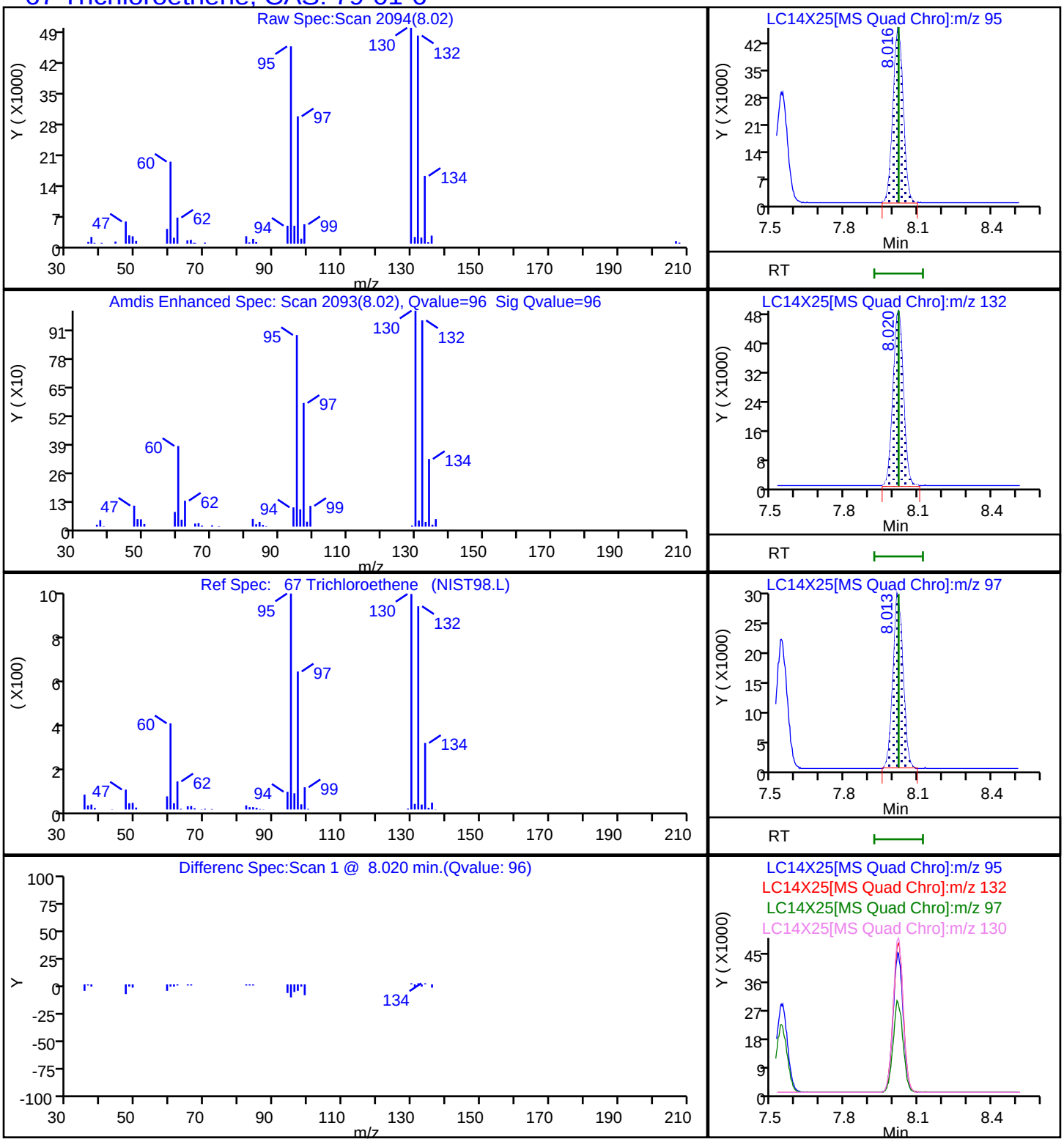
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X25.D		
Injection Date:	14-Oct-2025 20:14:33	Instrument ID:	9915
Lims ID:	410-245374-A-6	Lab Sample ID:	410-245374-6
Client ID:	HD-MW-150-0/1-0		
Operator ID:	clm27445	ALS Bottle#:	25 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad

67 Trichloroethene, CAS: 79-01-6



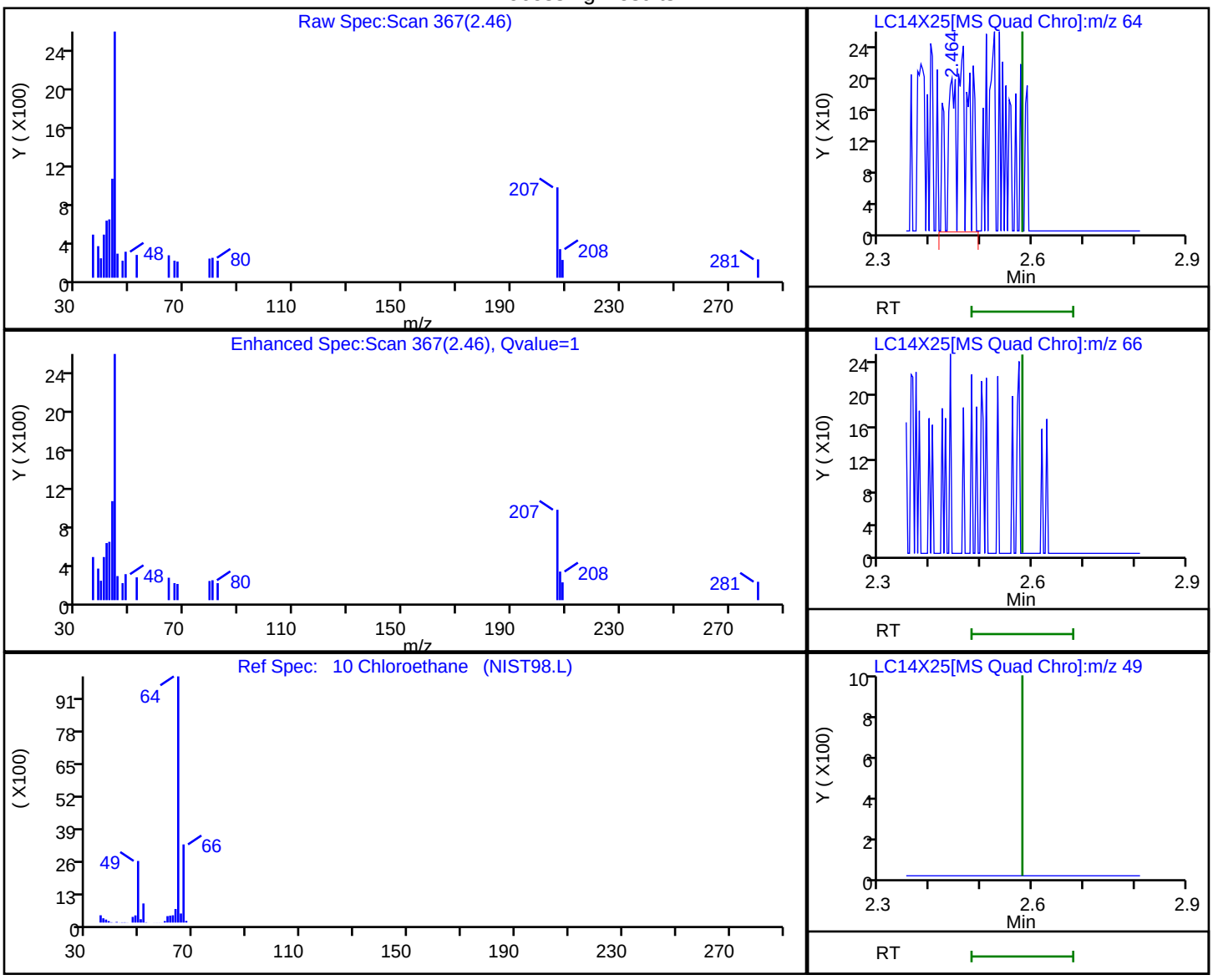
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X25.D		
Injection Date:	14-Oct-2025 20:14:33	Instrument ID:	9915
Lims ID:	410-245374-A-6	Lab Sample ID:	410-245374-6
Client ID:	HD-MW-150-0/1-0		
Operator ID:	clm27445	ALS Bottle#:	25 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.46	64.00	562	0.106865
2.56	66.00	0	
2.56	49.00	0	

Reviewer: FQ4L, 15-Oct-2025 10:10:01 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.: 410-245374-1

SDG No.:

Client Sample ID: HD-COLE-D-0/1-0
Lab Sample ID: 410-245374-7

Matrix: Water
Lab File ID: LC14X26.D

Analysis Method: 8260D
Date Collected: 10/02/2025 13:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/14/2025 20:36

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.: 713456
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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	0.49	J	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	14		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID: HD-COLE-D-0/1-0
Lab Sample ID: 410-245374-7

Matrix: Water
Lab File ID: LC14X26.D

Analysis Method: 8260D
Date Collected: 10/02/2025 13:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/14/2025 20:36

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.: 713456
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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	0.51	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)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X26.D
Lims ID: 410-245374-A-7
Client ID: HD-COLE-D-0/1-0
Sample Type: Client
Inject. Date: 14-Oct-2025 20:36:51 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-027
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 15-Oct-2025 10:10:17 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1684

First Level Reviewer: FQ4L Date: 15-Oct-2025 10:10:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.078				ND	
7 Vinyl chloride	62		2.187				ND	
9 Bromomethane	94		2.515				ND	
10 Chloroethane	64		2.579				ND	7
18 1,1-Dichloroethene	96		3.383				ND	
19 Acetone	58		3.415				ND	
23 Carbon disulfide	76		3.682				ND	7
27 Methylene Chloride	84		4.023				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	4.091	4.110	-0.019	51	182189	250.0	
31 Methyl tert-butyl ether	73		4.412				ND	
32 trans-1,2-Dichloroethene	96		4.415				ND	
36 1,1-Dichloroethane	63		5.094				ND	
41 2-Butanone (MEK)	43		5.939				ND	7
42 cis-1,2-Dichloroethene	96		5.943				ND	
49 Chlorobromomethane	128		6.274				ND	
51 Chloroform	83	6.438	6.431	0.007	93	4992	0.4932	
$ 52 Dibromofluoromethane (Surr)	113	6.647	6.647	0.000	94	265642	50.4	
53 1,1,1-Trichloroethane	97		6.660				ND	
56 Carbon tetrachloride	117		6.859				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.103	7.113	-0.010	72	65612	50.2	
59 Benzene	78		7.132				ND	
60 1,2-Dichloroethane	62		7.213				ND	
* 63 Fluorobenzene (IS)	96	7.541	7.541	0.000	99	1050749	50.0	
67 Trichloroethene	95	8.016	8.020	-0.004	91	2999	0.5141	
70 1,2-Dichloropropane	63		8.361				ND	
76 Dichlorobromomethane	83		8.711				ND	
79 cis-1,3-Dichloropropene	75		9.267				ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.457				ND	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	938164	51.3	
83 Toluene	92		9.656				ND	7
95 trans-1,3-Dichloropropene	75		9.923				ND	
118 1,1,2-Trichloroethane	97		10.132				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
119 Tetrachloroethene	166	10.209	10.206	0.003	98	83670	13.8	
122 2-Hexanone	43		10.357				ND	
124 Chlorodibromomethane	129		10.508				ND	
125 Ethylene Dibromide	107		10.614				ND	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	689306	50.0	
128 Chlorobenzene	112		11.077				ND	
132 1,1,1,2-Tetrachloroethane	131		11.164				ND	
133 Ethylbenzene	91		11.168				ND	7
S 134 Xylenes, Total	106		11.245				ND	7
135 m-Xylene & p-Xylene	106		11.283				ND	7
137 o-Xylene	106		11.611				ND	
138 Styrene	104		11.627				ND	
139 Bromoform	173		11.782				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	12.058	12.055	0.003	95	336463	51.4	
146 1,1,2,2-Tetrachloroethane	83		12.164				ND	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	472040	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP23_ISSS_00017 Amount Added: 1.00 Units: uL Run Reagent

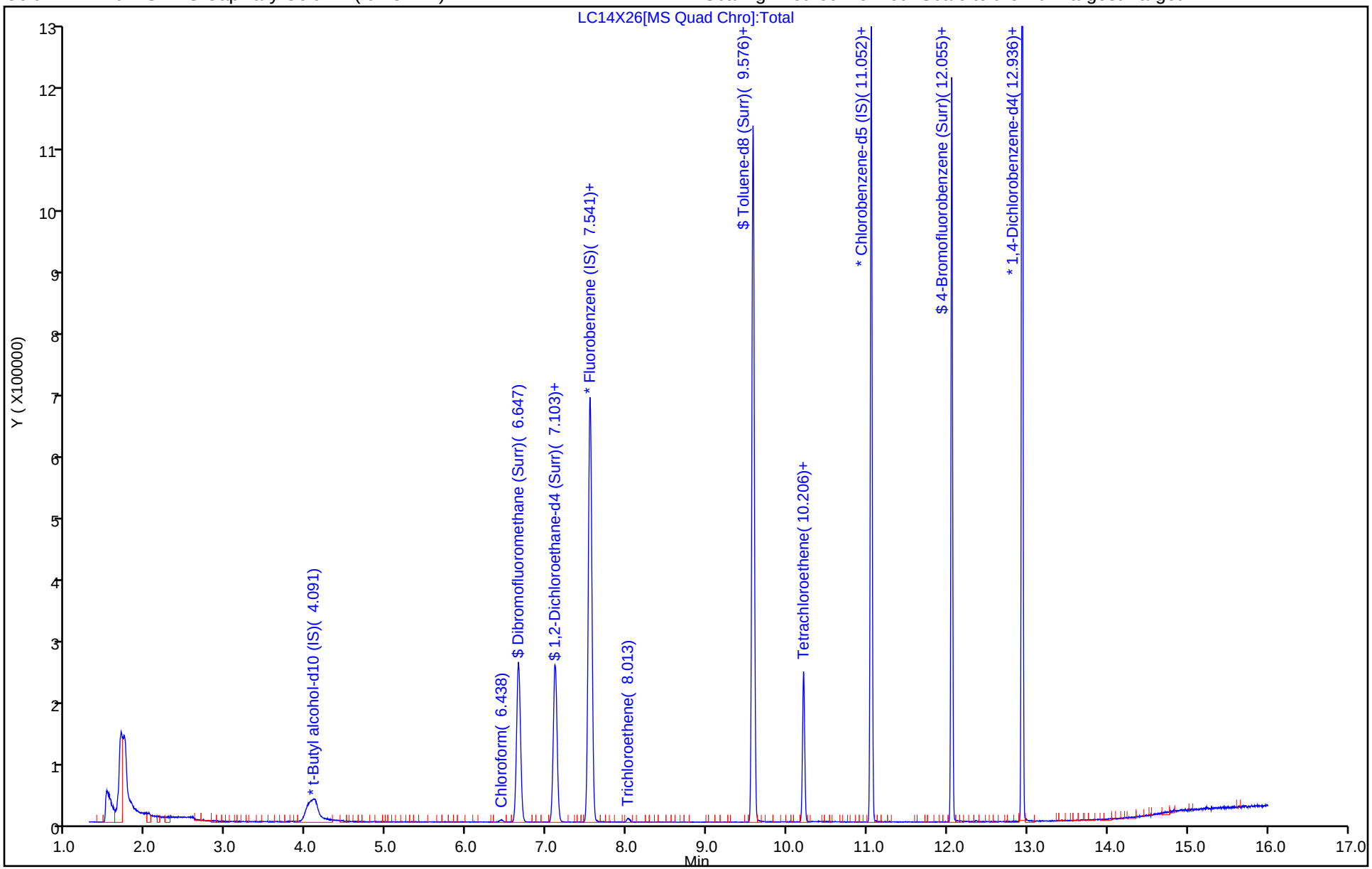
Report Date: 15-Oct-2025 10:10:57 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X26.D

Injection Date:	14-Oct-2025 20:36:51	Instrument ID:	9915	Operator ID:	clm27445
Lims ID:	410-245374-A-7	Lab Sample ID:	410-245374-7	Worklist Smp#:	27
Client ID:	HD-COLE-D-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X26.D
Lims ID: 410-245374-A-7
Client ID: HD-COLE-D-0/1-0
Sample Type: Client
Inject. Date: 14-Oct-2025 20:36:51 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-027
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 15-Oct-2025 10:10:17 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1684

First Level Reviewer: FQ4L Date: 15-Oct-2025 10:10:56

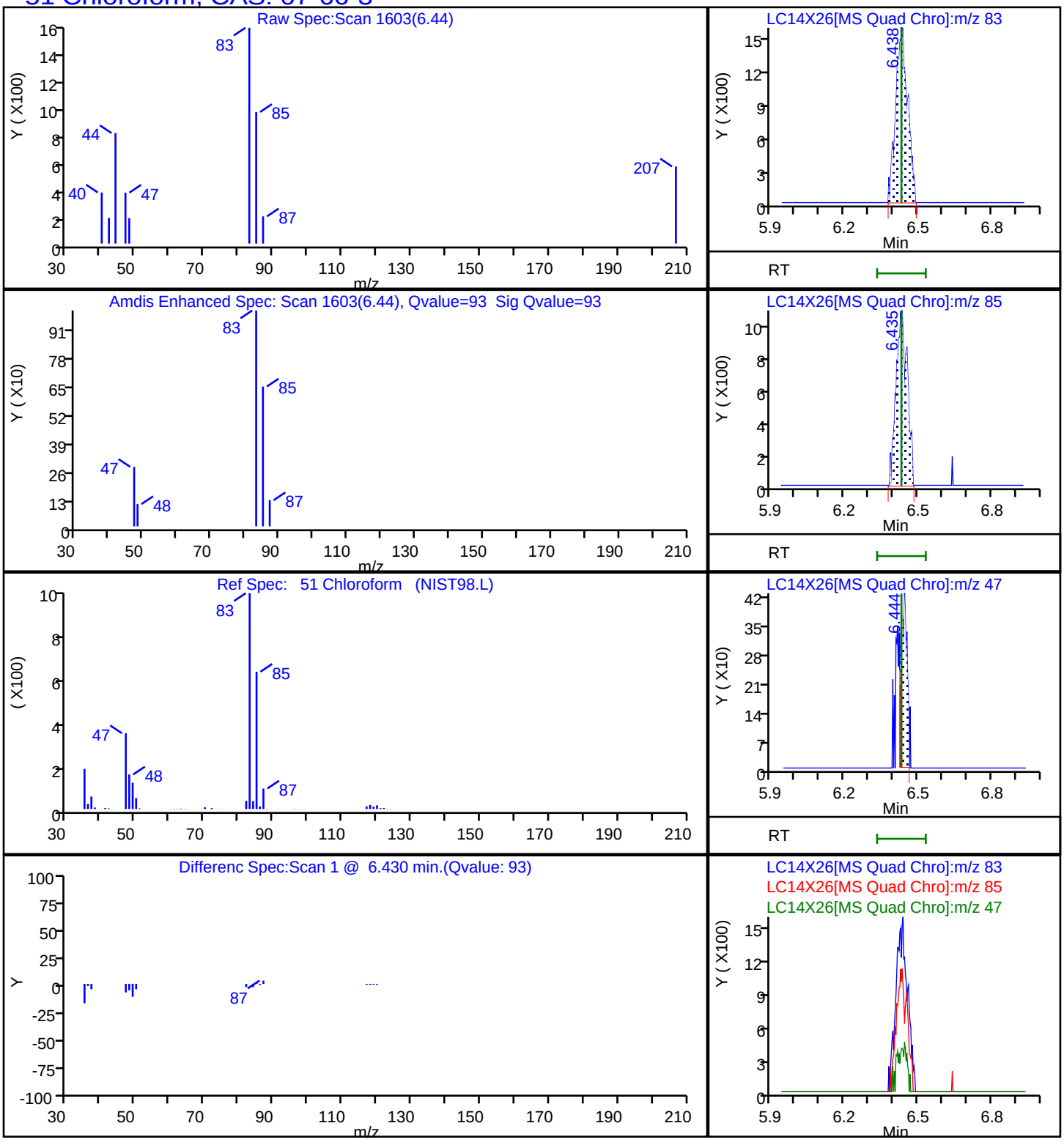
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	50.4	100.76
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	50.2	100.41
$ 82 Toluene-d8 (Surr)	50.0	51.3	102.68
$ 143 4-Bromofluorobenzene (Surr)	50.0	51.4	102.83

Report Date: 15-Oct-2025 10:10:58 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X26.D				
Injection Date:	14-Oct-2025 20:36:51	Instrument ID:	9915		
Lims ID:	410-245374-A-7	Lab Sample ID:	410-245374-7		
Client ID:	HD-COLE-D-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

51 Chloroform, CAS: 67-66-3

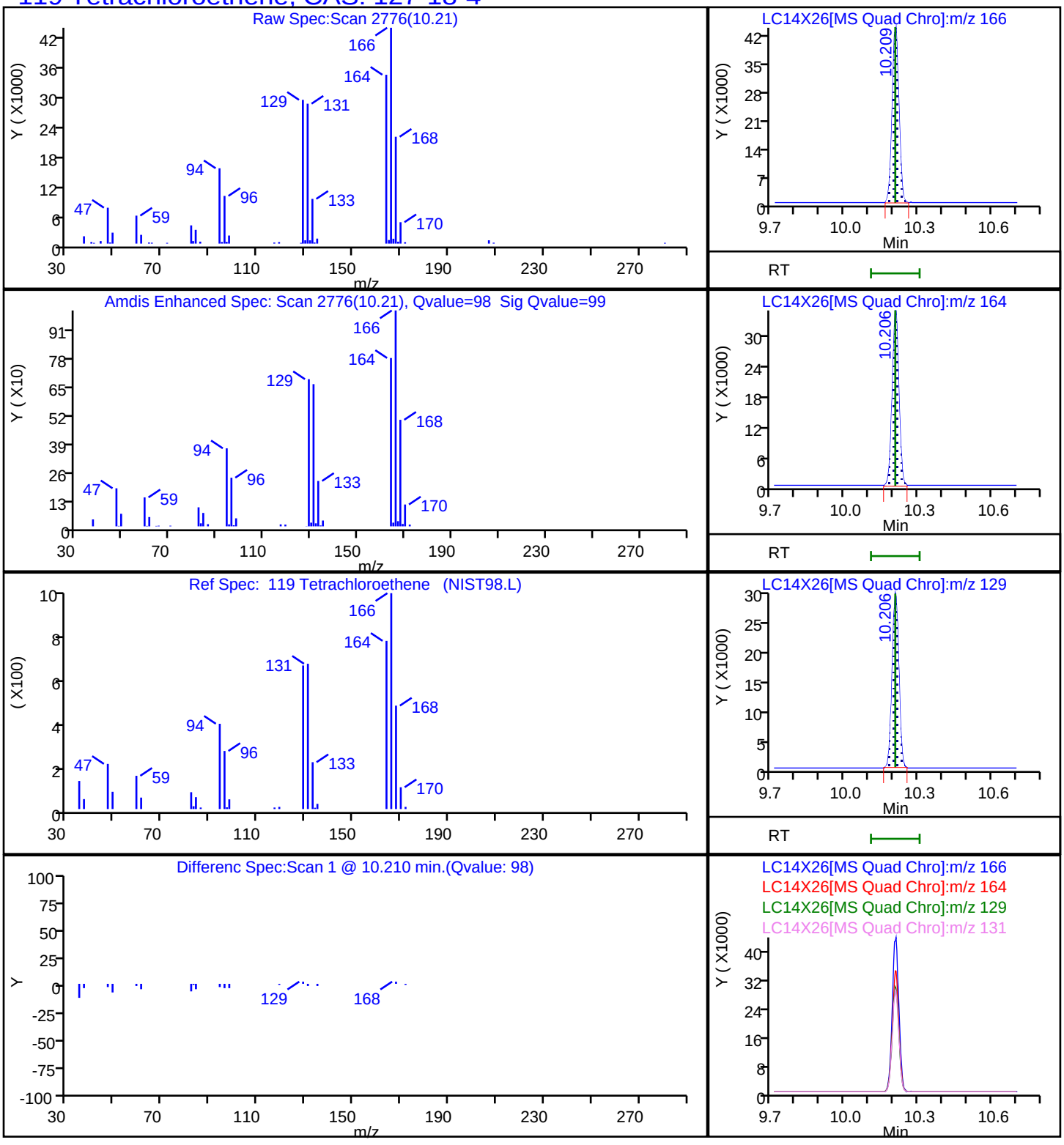


Report Date: 15-Oct-2025 10:10:58 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X26.D				
Injection Date:	14-Oct-2025 20:36:51	Instrument ID:	9915		
Lims ID:	410-245374-A-7	Lab Sample ID:	410-245374-7		
Client ID:	HD-COLE-D-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

119 Tetrachloroethene, CAS: 127-18-4

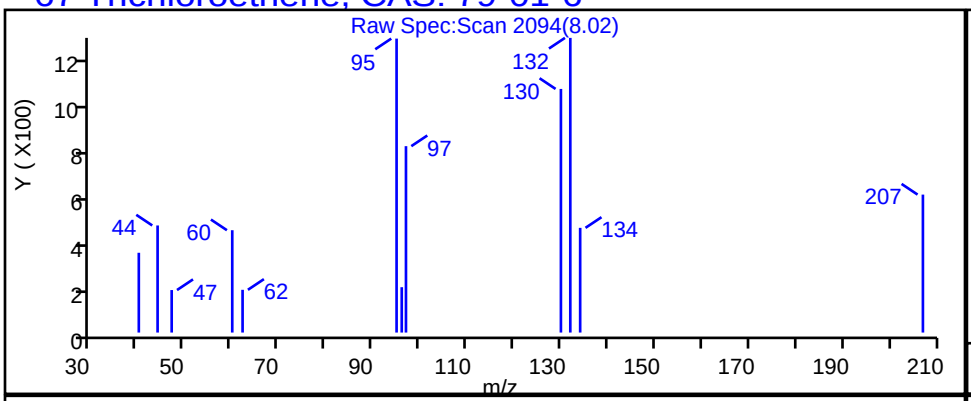


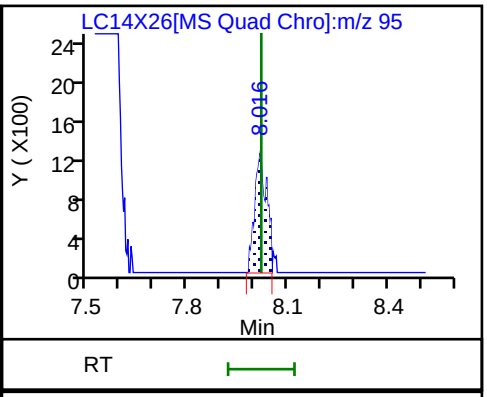
Report Date: 15-Oct-2025 10:10:58 Chrom Revision: 2.3 13-Aug-2025 14:00:00

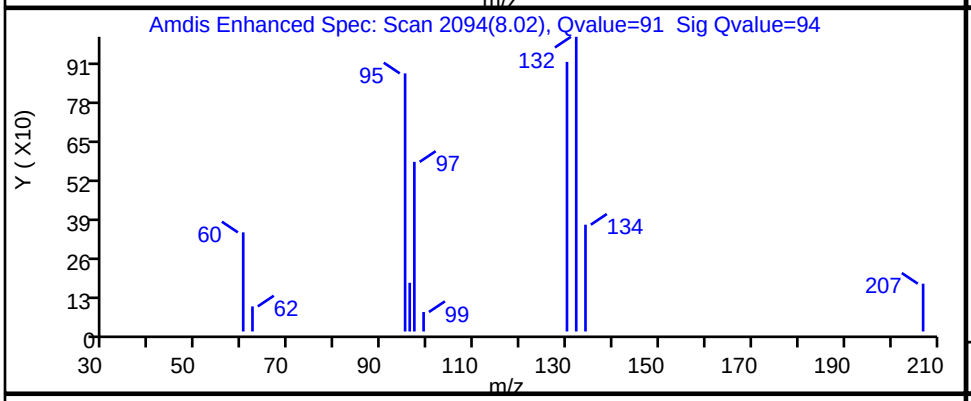
Eurofins Lancaster Laboratories Environment Testing, LLC

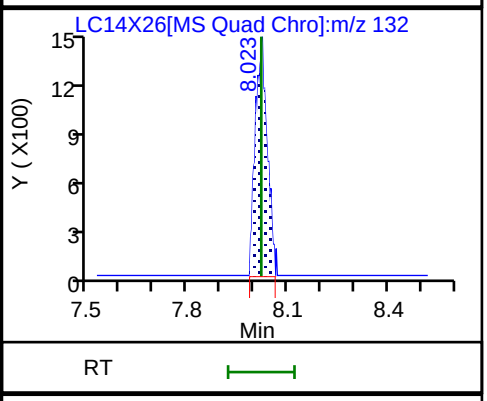
Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X26.D				
Injection Date:	14-Oct-2025 20:36:51	Instrument ID:	9915		
Lims ID:	410-245374-A-7	Lab Sample ID:	410-245374-7		
Client ID:	HD-COLE-D-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

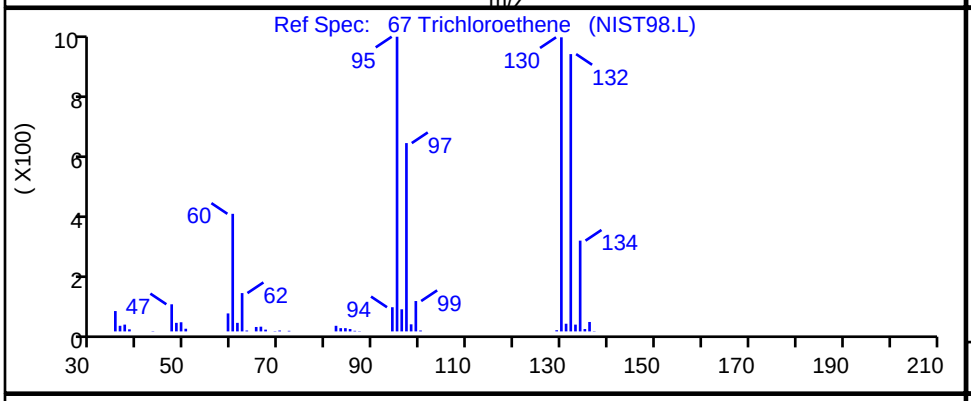
67 Trichloroethene, CAS: 79-01-6

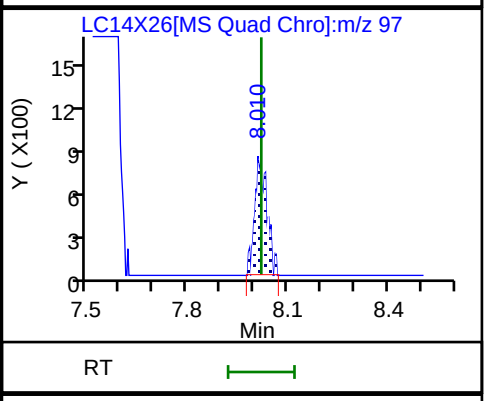


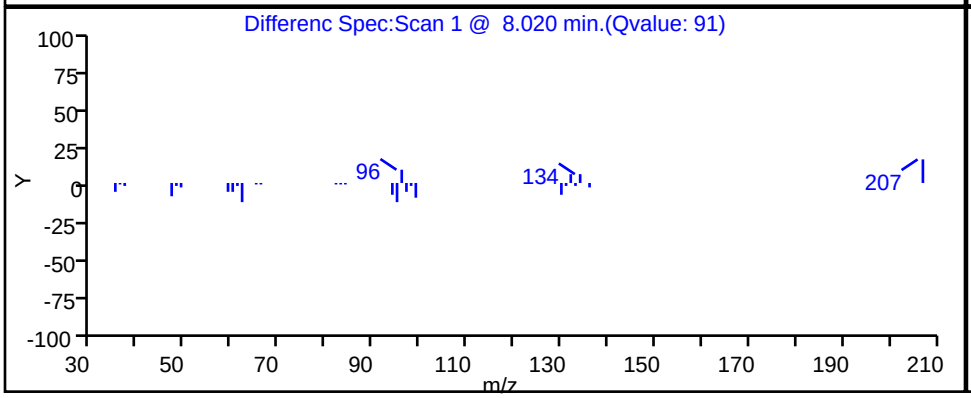


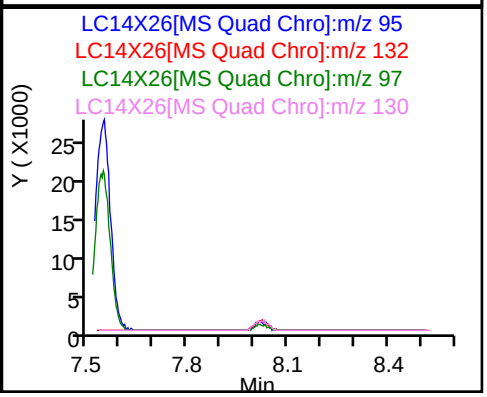












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-110-0/1-0
Lab Sample ID: 410-245374-8

Matrix: Water
Lab File ID: LC14X27.D

Analysis Method: 8260D
Date Collected: 10/02/2025 14:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/14/2025 20:59

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.: 713456
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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	0.68	J	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	17		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-110-0/1-0
Lab Sample ID: 410-245374-8

Matrix: Water
Lab File ID: LC14X27.D

Analysis Method: 8260D
Date Collected: 10/02/2025 14:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/14/2025 20:59

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.: 713456
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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	0.40	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)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X27.D
Lims ID: 410-245374-A-8
Client ID: HD-MW-110-0/1-0
Sample Type: Client
Inject. Date: 14-Oct-2025 20:59:12 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-028
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 15-Oct-2025 10:10:17 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1684

First Level Reviewer: FQ4L Date: 15-Oct-2025 10:11:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.078				ND	
7 Vinyl chloride	62		2.187				ND	
9 Bromomethane	94		2.515				ND	
10 Chloroethane	64		2.579				ND	7
18 1,1-Dichloroethene	96		3.383				ND	
19 Acetone	58		3.415				ND	
23 Carbon disulfide	76		3.682				ND	
27 Methylene Chloride	84		4.023				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	4.091	4.110	-0.019	51	179942	250.0	
31 Methyl tert-butyl ether	73		4.412				ND	
32 trans-1,2-Dichloroethene	96		4.415				ND	
36 1,1-Dichloroethane	63		5.094				ND	
41 2-Butanone (MEK)	43		5.939				ND	7
42 cis-1,2-Dichloroethene	96		5.943				ND	7
49 Chlorobromomethane	128		6.274				ND	
51 Chloroform	83	6.428	6.431	-0.003	93	6487	0.6770	
$ 52 Dibromofluoromethane (Surr)	113	6.644	6.647	-0.003	94	252516	50.6	
53 1,1,1-Trichloroethane	97		6.660				ND	
56 Carbon tetrachloride	117		6.859				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.100	7.113	-0.013	72	62330	50.4	
59 Benzene	78		7.132				ND	
60 1,2-Dichloroethane	62		7.213				ND	
* 63 Fluorobenzene (IS)	96	7.537	7.541	-0.004	99	994727	50.0	
67 Trichloroethene	95	8.023	8.020	0.003	89	2191	0.3967	
70 1,2-Dichloropropane	63		8.361				ND	
76 Dichlorobromomethane	83		8.711				ND	
79 cis-1,3-Dichloropropene	75		9.267				ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.457				ND	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	903612	50.3	
83 Toluene	92		9.656				ND	
95 trans-1,3-Dichloropropene	75		9.923				ND	
118 1,1,2-Trichloroethane	97		10.132				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
119 Tetrachloroethene	166	10.206	10.206	0.000	97	98844	16.6	
122 2-Hexanone	43		10.357				ND	
124 Chlorodibromomethane	129		10.508				ND	
125 Ethylene Dibromide	107		10.614				ND	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	678010	50.0	
128 Chlorobenzene	112		11.077				ND	
132 1,1,1,2-Tetrachloroethane	131		11.164				ND	
133 Ethylbenzene	91		11.168				ND	
S 134 Xylenes, Total	106		11.245				ND	7
135 m-Xylene & p-Xylene	106		11.283				ND	
137 o-Xylene	106		11.611				ND	
138 Styrene	104		11.627				ND	
139 Bromoform	173		11.782				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	95	329141	51.1	
146 1,1,2,2-Tetrachloroethane	83		12.164				ND	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	466851	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP23_ISSS_00017 Amount Added: 1.00 Units: uL Run Reagent

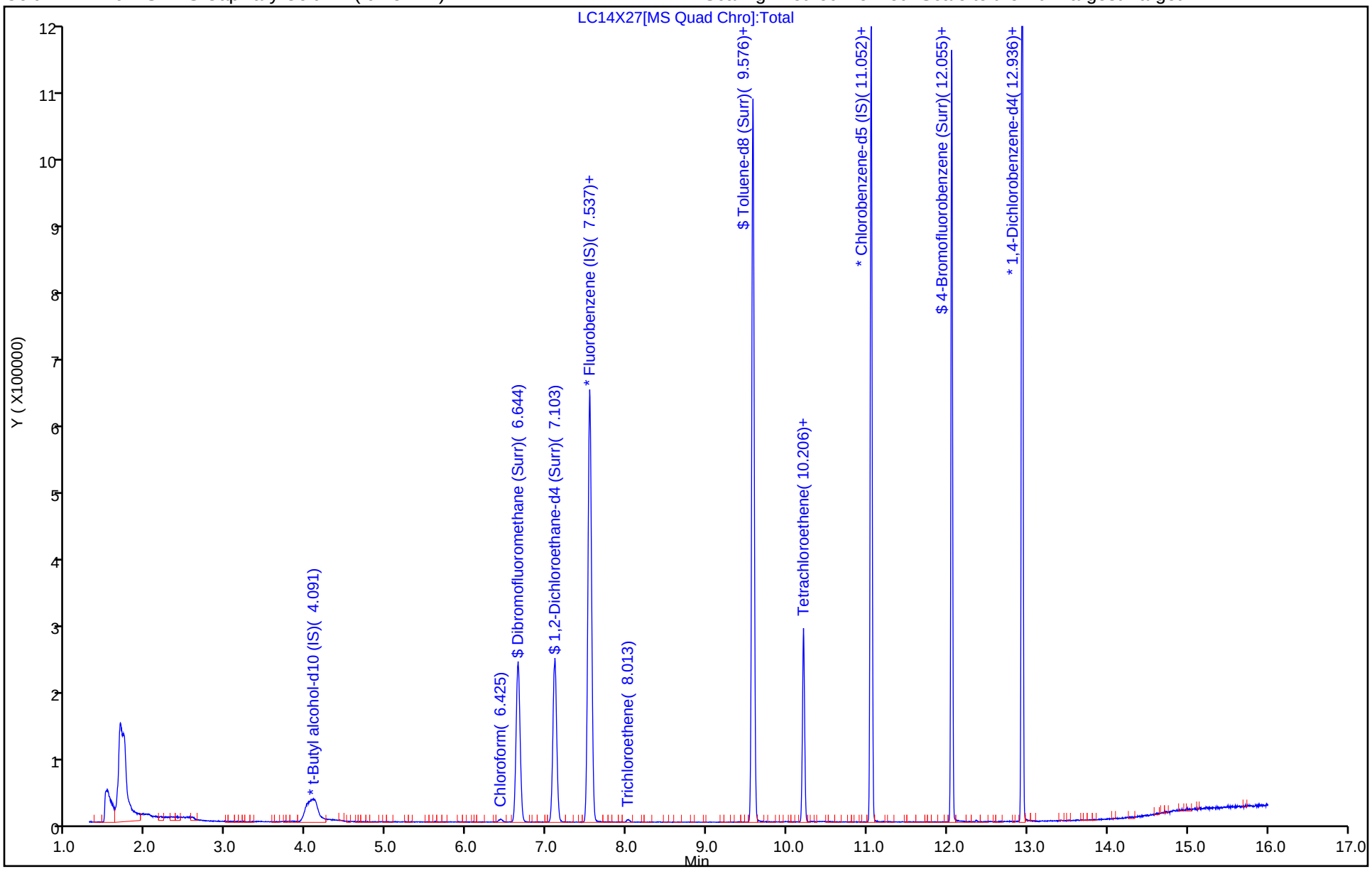
Report Date: 15-Oct-2025 10:11:24 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X27.D

Injection Date:	14-Oct-2025 20:59:12	Instrument ID:	9915	Operator ID:	clm27445
Lims ID:	410-245374-A-8	Lab Sample ID:	410-245374-8	Worklist Smp#:	28
Client ID:	HD-MW-110-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X27.D
Lims ID: 410-245374-A-8
Client ID: HD-MW-110-0/1-0
Sample Type: Client
Inject. Date: 14-Oct-2025 20:59:12 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-028
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 15-Oct-2025 10:10:17 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1684

First Level Reviewer: FQ4L Date: 15-Oct-2025 10:11:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	50.6	101.18
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	50.4	100.76
$ 82 Toluene-d8 (Surr)	50.0	50.3	100.55
$ 143 4-Bromofluorobenzene (Surr)	50.0	51.1	102.27

Report Date: 15-Oct-2025 10:11:24 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X27.D

Injection Date: 14-Oct-2025 20:59:12 Instrument ID: 9915

Lims ID: 410-245374-A-8 Lab Sample ID: 410-245374-8

Client ID: HD-MW-110-0/1-0

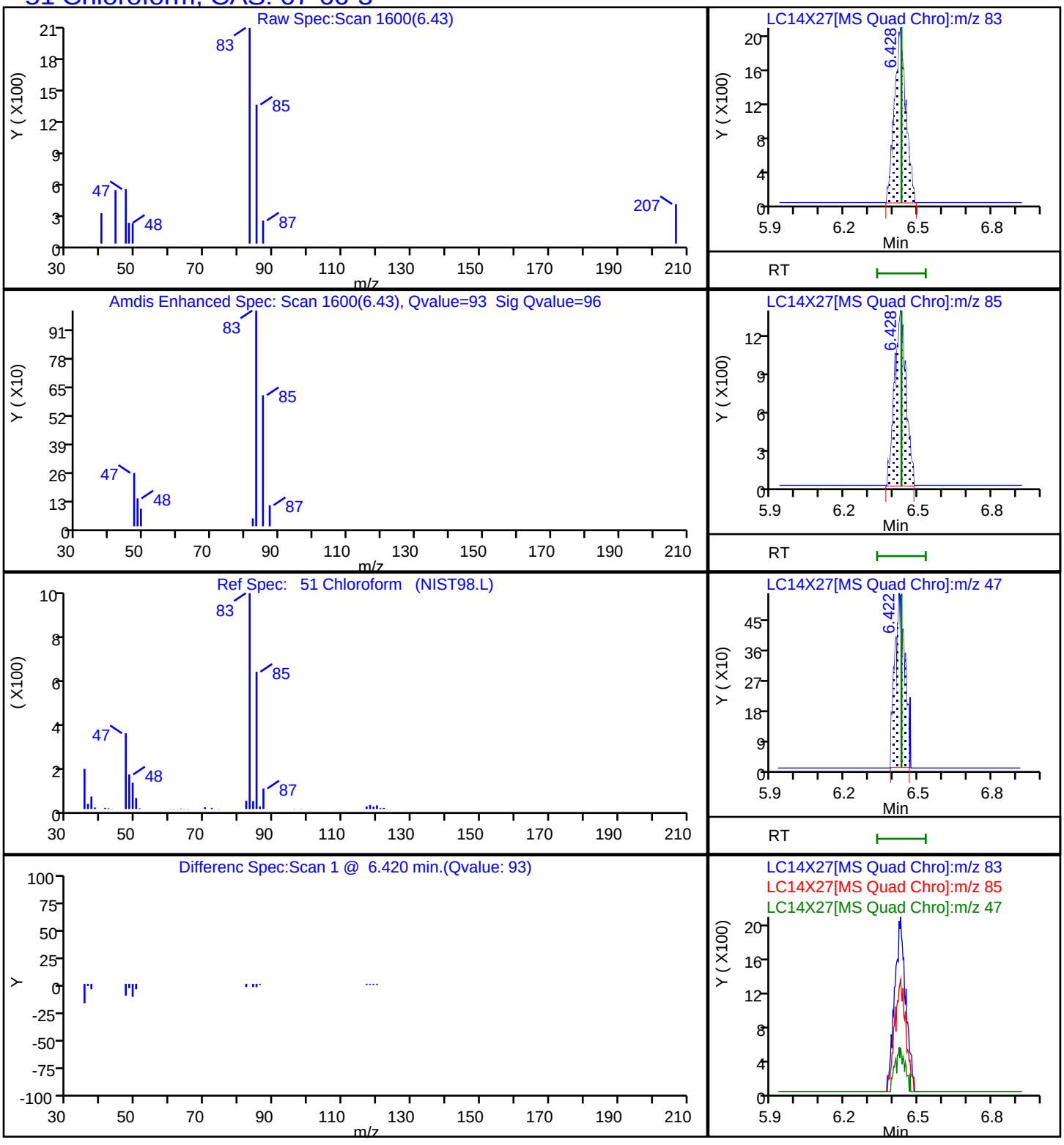
Operator ID: clm27445 ALS Bottle#: 27 Worklist Smp#: 28

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_9915a Limit Group: MSV - 8260C_D

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

51 Chloroform, CAS: 67-66-3

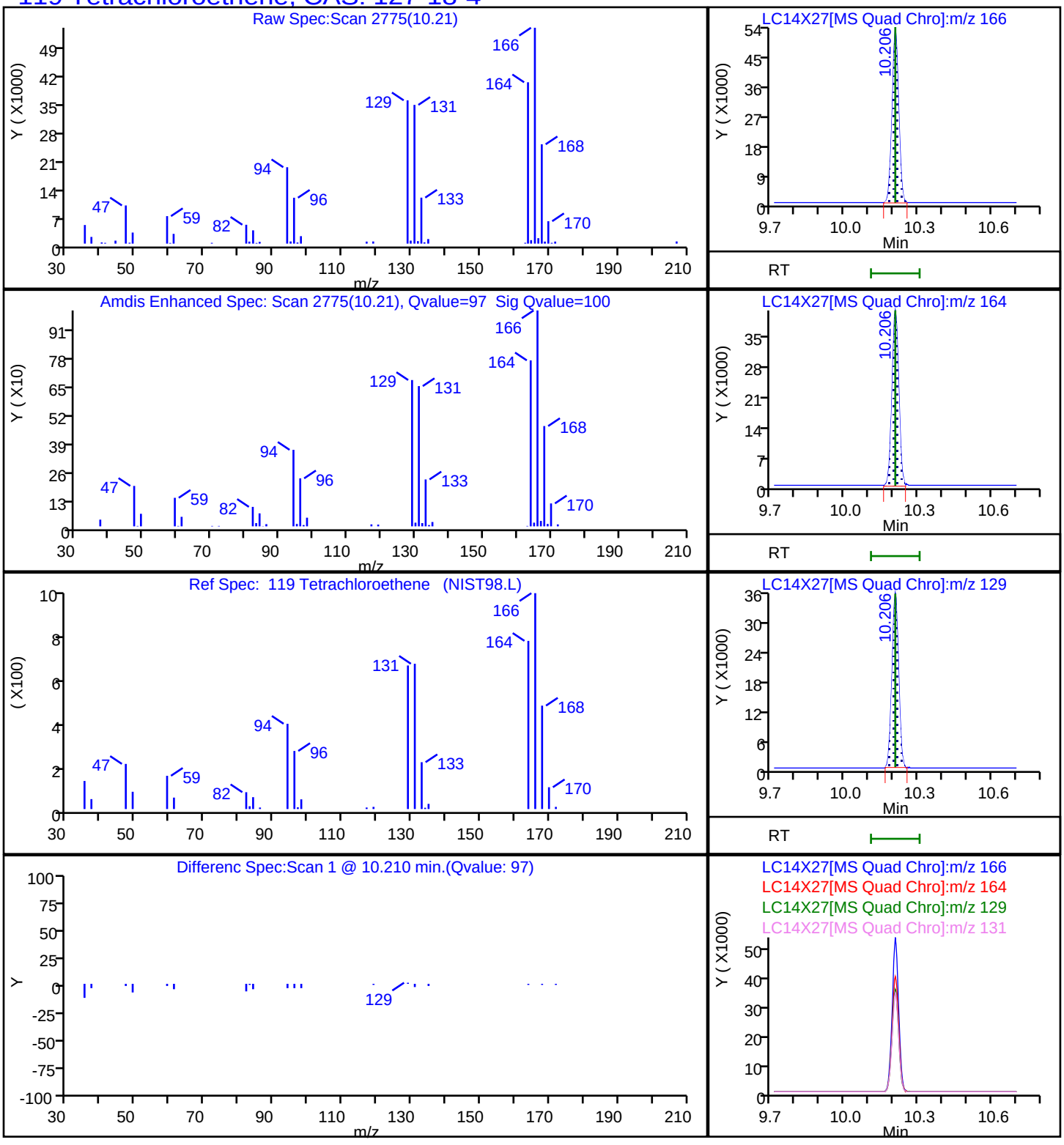


Report Date: 15-Oct-2025 10:11:24 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X27.D				
Injection Date:	14-Oct-2025 20:59:12	Instrument ID:	9915		
Lims ID:	410-245374-A-8	Lab Sample ID:	410-245374-8		
Client ID:	HD-MW-110-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

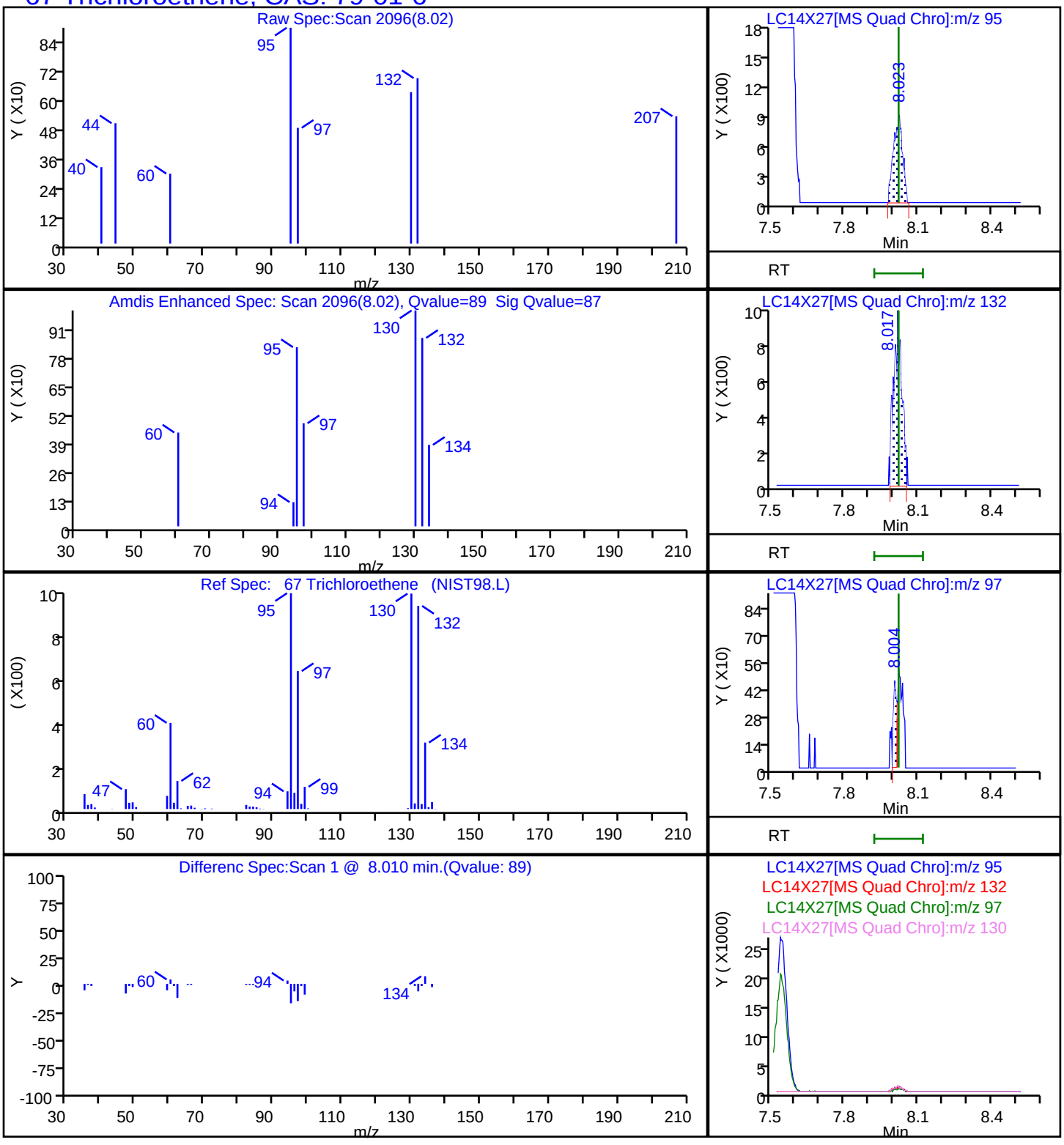
119 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X27.D				
Injection Date:	14-Oct-2025 20:59:12	Instrument ID:	9915		
Lims ID:	410-245374-A-8	Lab Sample ID:	410-245374-8		
Client ID:	HD-MW-110-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

67 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-18D-0/1-0
Lab Sample ID: 410-245374-9

Matrix: Water
Lab File ID: NC13X27.D

Analysis Method: 8260D
Date Collected: 10/01/2025 14:32

Sample wt/vol: 5(mL)
Date Analyzed: 10/13/2025 19:06

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.: 712932
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

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	^c *+ cn	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	^c cn	1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	^c cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	12		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.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-18D-0/1-0
Lab Sample ID: 410-245374-9

Matrix: Water
Lab File ID: NC13X27.D

Analysis Method: 8260D
Date Collected: 10/01/2025 14:32

Sample wt/vol: 5(mL)
Date Analyzed: 10/13/2025 19:06

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.: 712932
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	ND		1.0	0.30
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	0.94	J	1.0	0.30
75-01-4	Vinyl chloride	ND	^c cn	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)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		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\7159\20251013-162929.b\NC13X27.D
Lims ID: 410-245374-A-9
Client ID: HD-MW-18D-0/1-0
Sample Type: Client
Inject. Date: 13-Oct-2025 19:06:37 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162929-028
Operator ID: knk41612 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 10:38:27 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L Date: 14-Oct-2025 10:38:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.241				ND	7
6 Vinyl chloride	62		2.366				ND	U
8 Bromomethane	94		2.707				ND	
9 Chloroethane	64		2.820				ND	
17 1,1-Dichloroethene	96		3.752				ND	7
19 Acetone	58		3.797				ND	
22 Carbon disulfide	76		4.070				ND	
26 Methylene Chloride	84		4.492				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	4.521	4.511	0.010	1	345923	250.0	
32 Methyl tert-butyl ether	73		4.919				ND	7
31 trans-1,2-Dichloroethene	96		4.922				ND	7
35 1,1-Dichloroethane	63		5.591				ND	
40 2-Butanone (MEK)	43		6.405				ND	7
41 cis-1,2-Dichloroethene	96	6.418	6.427	-0.009	76	93171	12.4	
47 Chlorobromomethane	128		6.755				ND	
49 Chloroform	83		6.903				ND	
$ 50 Dibromofluoromethane (Surr)	113	7.109	7.118	-0.009	93	305282	50.4	
51 1,1,1-Trichloroethane	97		7.128				ND	
53 Carbon tetrachloride	117		7.331				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.565	7.572	-0.007	37	72649	53.2	
57 Benzene	78		7.604				ND	7
59 1,2-Dichloroethane	62		7.675				ND	
* 62 Fluorobenzene (IS)	96	7.993	7.996	-0.003	99	1065611	50.0	
65 Trichloroethene	95	8.453	8.469	-0.016	89	6699	0.9351	Ma
69 1,2-Dichloropropane	63		8.803				ND	
74 Dichlorobromomethane	83		9.138				ND	
77 cis-1,3-Dichloropropene	75		9.659				ND	
78 4-Methyl-2-pentanone (MIBK)	43		9.829				ND	7
$ 79 Toluene-d8 (Surr)	98	9.951	9.954	-0.003	93	969679	52.8	
118 Toluene	92		10.028				ND	
120 trans-1,3-Dichloropropene	75		10.269				ND	7
122 1,1,2-Trichloroethane	97		10.469				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
123 Tetrachloroethene	166		10.546				ND	
126 2-Hexanone	43		10.675				ND	
128 Chlorodibromomethane	129		10.832				ND	
129 Ethylene Dibromide	107		10.942				ND	
S 130 Xylenes, Total	106		11.245				ND	7
* 131 Chlorobenzene-d5 (IS)	117	11.356	11.356	0.000	84	747722	50.0	
133 Chlorobenzene	112		11.382				ND	
134 1,1,1,2-Tetrachloroethane	131		11.459				ND	
135 Ethylbenzene	91		11.466				ND	
136 m-Xylene & p-Xylene	106		11.575				ND	
138 o-Xylene	106		11.896				ND	
139 Styrene	104		11.909				ND	
140 Bromoform	173		12.064				ND	7
$ 144 4-Bromofluorobenzene (Surr)	95	12.334	12.331	0.003	90	335277	48.3	
145 1,1,2,2-Tetrachloroethane	83		12.430				ND	
* 160 1,4-Dichlorobenzene-d4	152	13.196	13.195	0.001	95	406070	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated
U - Marked Undetected
a - User Assigned ID

Reagents:

MSV_Cent_ISSS_00045 Amount Added: 5.00 Units: uL Run Reagent

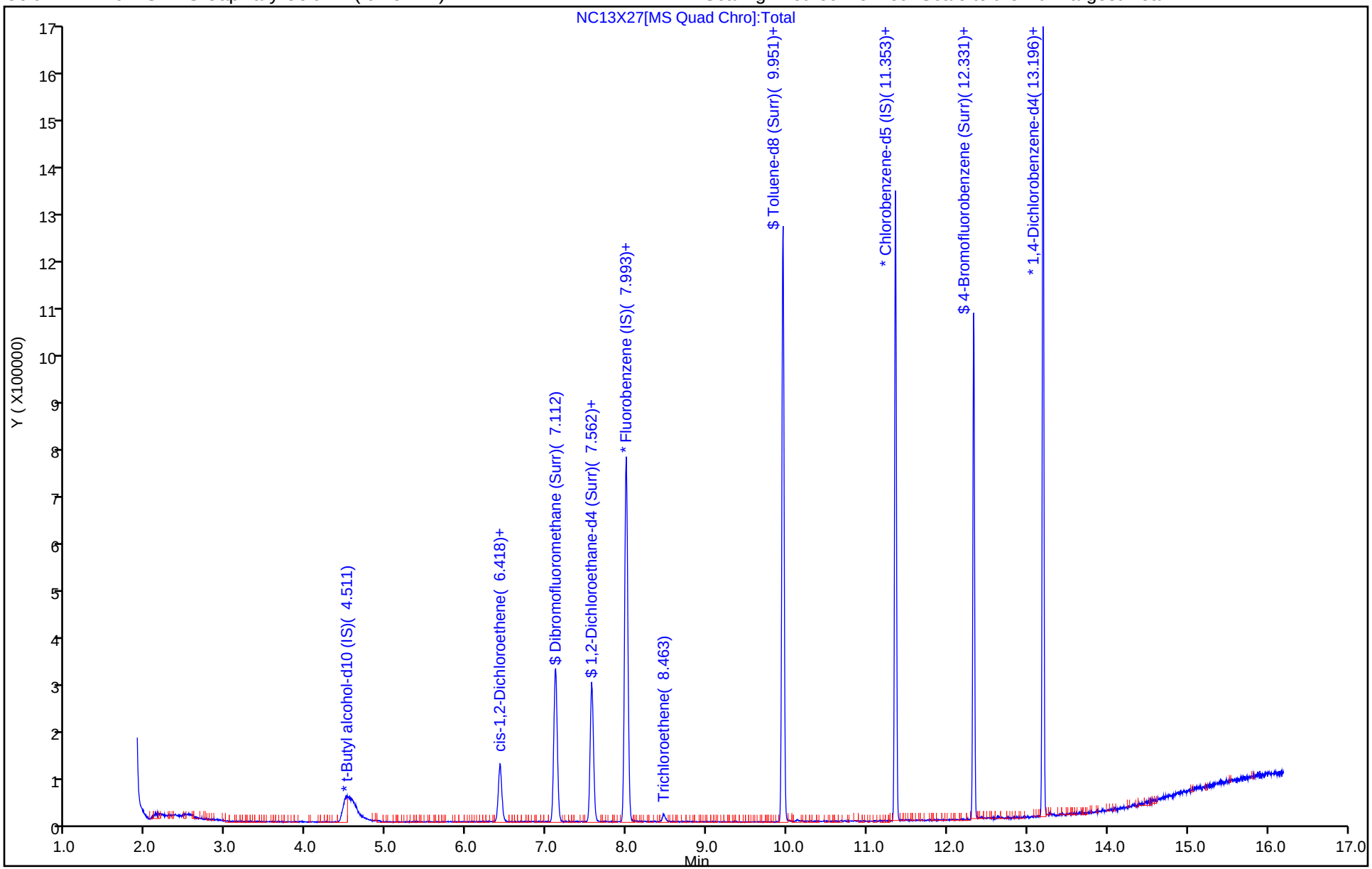
Report Date: 14-Oct-2025 10:38:29 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X27.D

Injection Date:	13-Oct-2025 19:06:37	Instrument ID:	7159	Operator ID:	knk41612
Lims ID:	410-245374-A-9	Lab Sample ID:	410-245374-9	Worklist Smp#:	28
Client ID:	HD-MW-18D-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X27.D				
Lims ID:	410-245374-A-9				
Client ID:	HD-MW-18D-0/1-0				
Sample Type:	Client				
Inject. Date:	13-Oct-2025 19:06:37	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0162929-028				
Operator ID:	knk41612	Instrument ID:	7159		
Method:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m				
Limit Group:	MSV - 8260C_D				
Last Update:	14-Oct-2025 10:38:27	Calib Date:	22-Sep-2025 22:59:14		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1605				

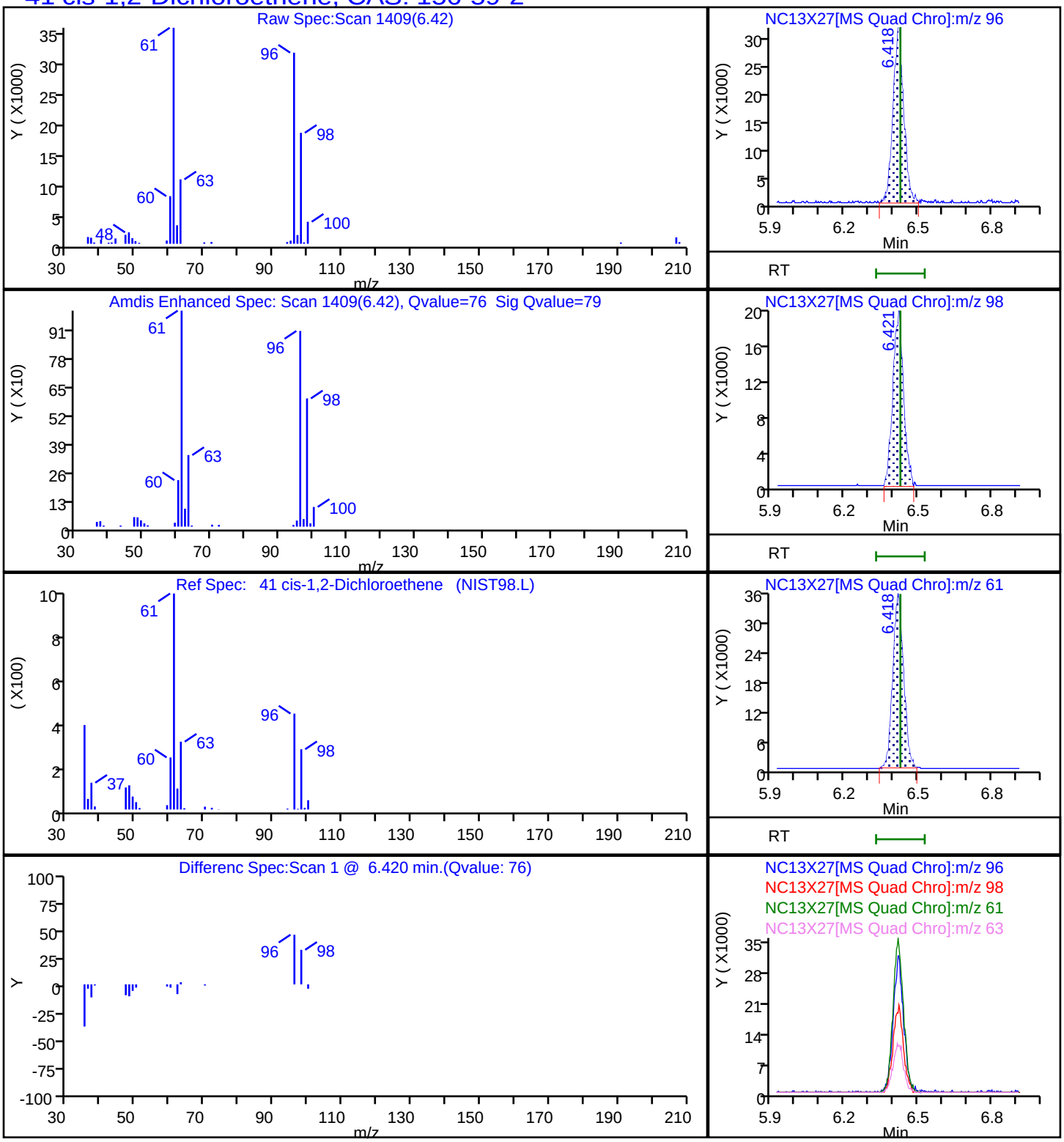
First Level Reviewer: FQ4L Date: 14-Oct-2025 10:38:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	50.4	100.79
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	53.2	106.44
$ 79 Toluene-d8 (Surr)	50.0	52.8	105.58
$ 144 4-Bromofluorobenzene (Surr)	50.0	48.3	96.68

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X27.D				
Injection Date:	13-Oct-2025 19:06:37	Instrument ID:	7159		
Lims ID:	410-245374-A-9	Lab Sample ID:	410-245374-9		
Client ID:	HD-MW-18D-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	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

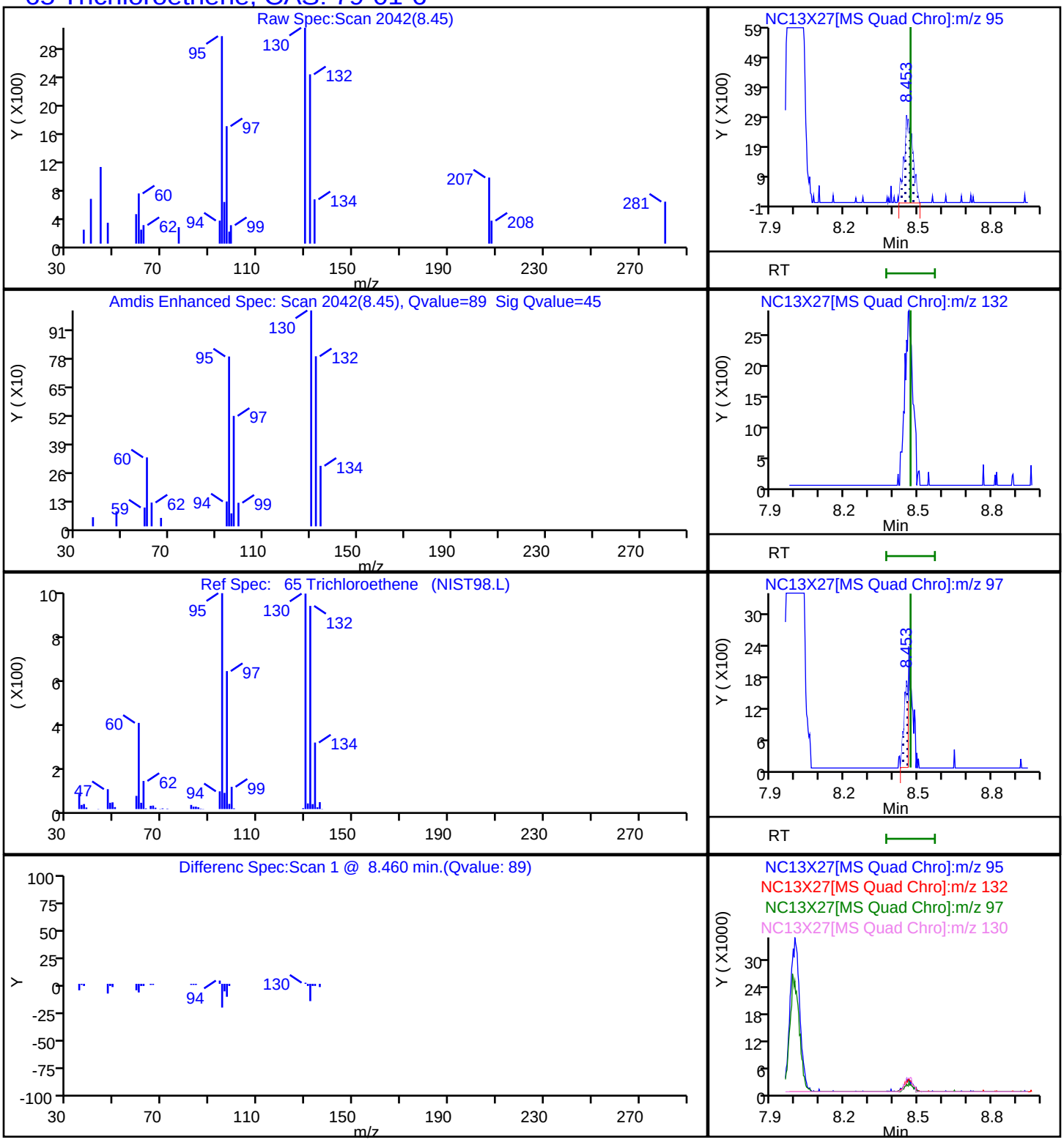


Report Date: 14-Oct-2025 10:38:29 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X27.D				
Injection Date:	13-Oct-2025 19:06:37	Instrument ID:	7159		
Lims ID:	410-245374-A-9	Lab Sample ID:	410-245374-9		
Client ID:	HD-MW-18D-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

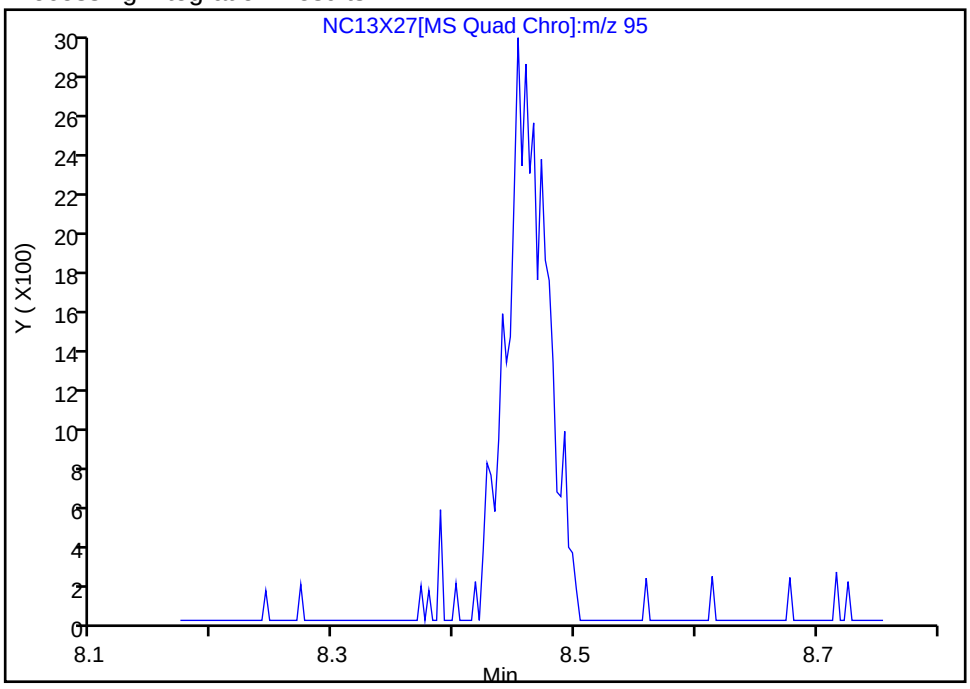
Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X27.D				
Injection Date:	13-Oct-2025 19:06:37	Instrument ID:	7159		
Lims ID:	410-245374-A-9	Lab Sample ID:	410-245374-9		
Client ID:	HD-MW-18D-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6

Signal: 1

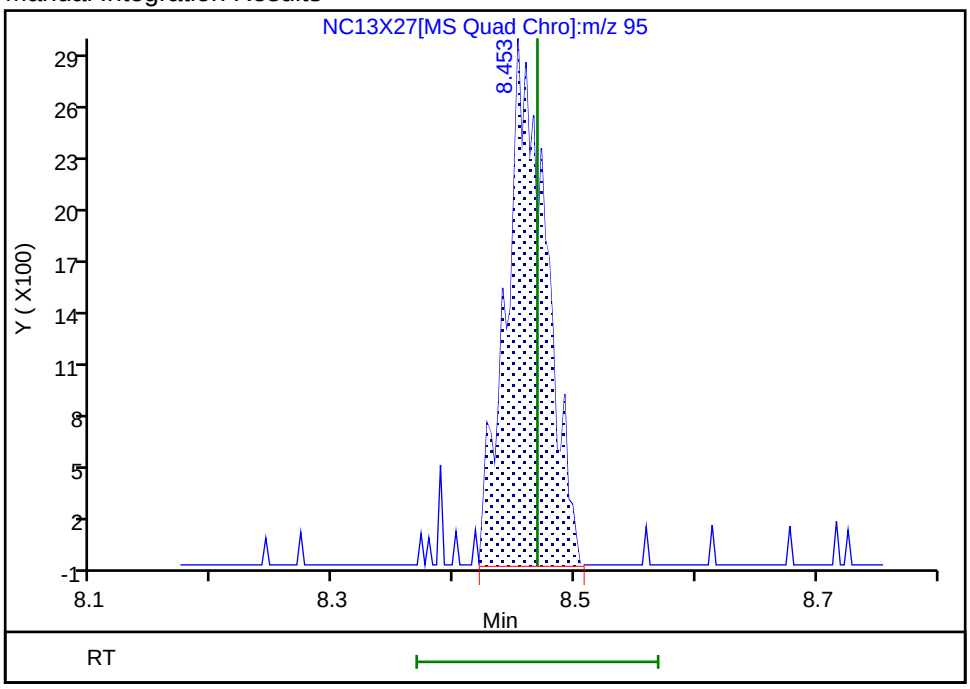
Not Detected
Expected RT: 8.47

Processing Integration Results



Manual Integration Results

RT: 8.45
Area: 6699
Amount: 0.935116
Amount Units: ug/l



Reviewer: FQ4L, 14-Oct-2025 10:38:18 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

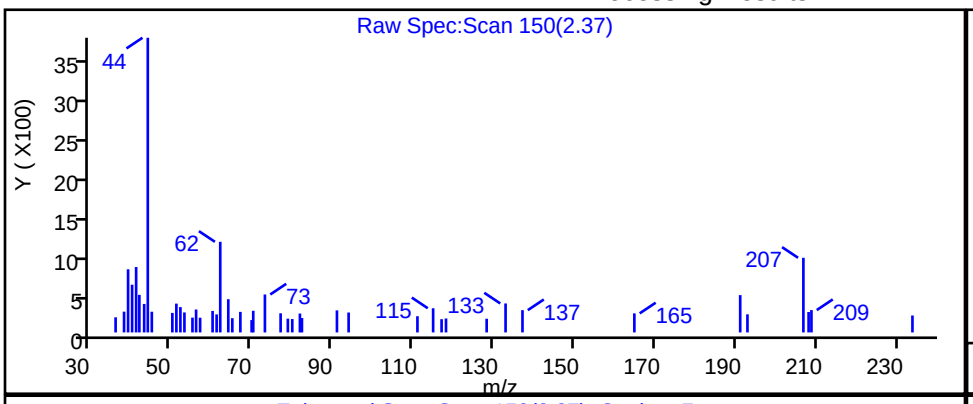
User Disabled Compound Report

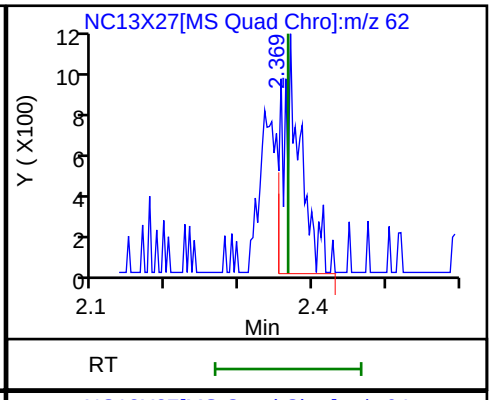
Eurofins Lancaster Laboratories Environment Testing, LLC

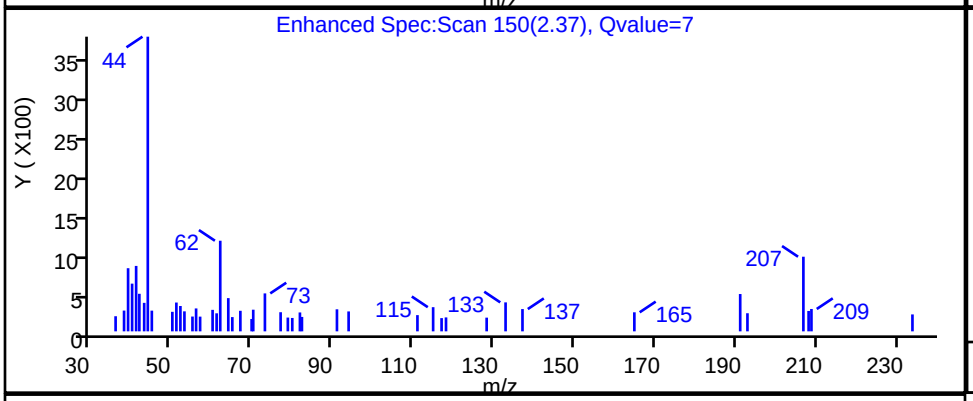
Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X27.D				
Injection Date:	13-Oct-2025 19:06:37	Instrument ID:	7159		
Lims ID:	410-245374-A-9	Lab Sample ID:	410-245374-9		
Client ID:	HD-MW-18D-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

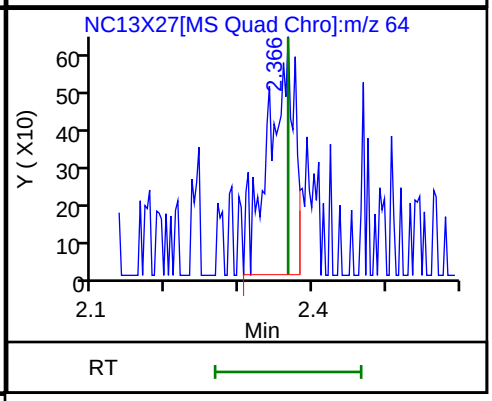
6 Vinyl chloride, CAS: 75-01-4

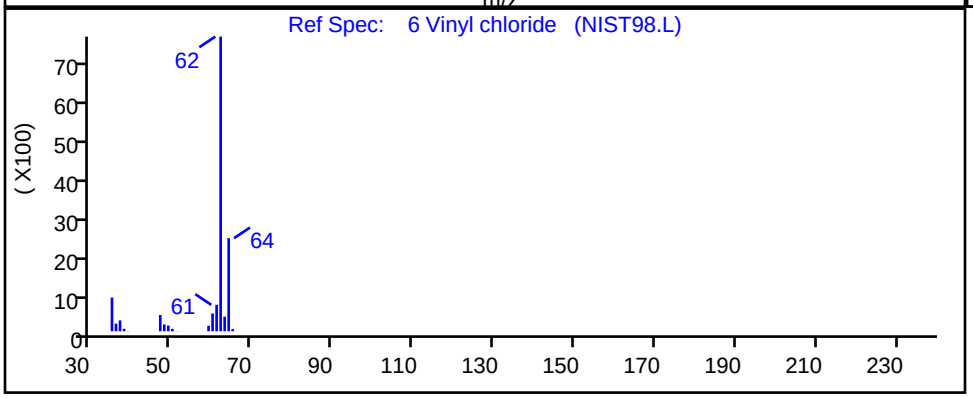
Processing Results











RT	Mass	Response	Amount
2.37	62.00	1880	0.147003
2.37	64.00	1592	

Reviewer: FQ4L, 14-Oct-2025 10:38:02 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.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-69-0/1-0
Lab Sample ID: 410-245374-10

Matrix: Water
Lab File ID: NC15X35.D

Analysis Method: 8260D
Date Collected: 10/02/2025 14:22

Sample wt/vol: 5(mL)
Date Analyzed: 10/15/2025 21:05

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.: 714112
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

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	^c cn	1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND	^c *+ cn	1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND	cn	1.0	0.30
75-35-4	1,1-Dichloroethene	ND	^c	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	^c cn	5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND	^c cn	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	^c cn	1.0	0.30
74-87-3	Chloromethane	ND	^c cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	2.8		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.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-69-0/1-0
Lab Sample ID: 410-245374-10

Matrix: Water
Lab File ID: NC15X35.D

Analysis Method: 8260D
Date Collected: 10/02/2025 14:22

Sample wt/vol: 5(mL)
Date Analyzed: 10/15/2025 21:05

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.: 714112
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	ND	^c cn	1.0	0.30
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	2.3	^c cn	1.0	0.30
75-01-4	Vinyl chloride	ND	^c cn	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)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	105		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		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\7159\20251015-163218.b\NC15X35.D
Lims ID: 410-245374-B-10
Client ID: HD-MW-69-0/1-0
Sample Type: Client
Inject. Date: 15-Oct-2025 21:05:53 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163218-027
Operator ID: clm27445 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 16-Oct-2025 10:41:04 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1636

First Level Reviewer: N9NA Date: 16-Oct-2025 10:41:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.238				ND	7
6 Vinyl chloride	62		2.370				ND	
8 Bromomethane	94		2.717				ND	7
9 Chloroethane	64		2.810				ND	
17 1,1-Dichloroethene	96		3.746				ND	7
19 Acetone	58	3.800	3.797	0.003	46	708	0.6582	
22 Carbon disulfide	76		4.067				ND	7
26 Methylene Chloride	84		4.485				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	4.514	4.514	0.000	1	466998	250.0	
31 trans-1,2-Dichloroethene	96		4.910				ND	7
32 Methyl tert-butyl ether	73		4.916				ND	7
35 1,1-Dichloroethane	63		5.585				ND	
40 2-Butanone (MEK)	43		6.392				ND	
41 cis-1,2-Dichloroethene	96	6.421	6.418	0.003	77	26276	2.77	a
47 Chlorobromomethane	128		6.752				ND	
49 Chloroform	83		6.897				ND	7
$ 50 Dibromofluoromethane (Surr)	113	7.112	7.119	-0.007	93	359606	47.2	
51 1,1,1-Trichloroethane	97		7.128				ND	
53 Carbon tetrachloride	117		7.324				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.572	7.575	-0.003	43	87882	51.2	
57 Benzene	78		7.601				ND	7
59 1,2-Dichloroethane	62		7.668				ND	7
* 62 Fluorobenzene (IS)	96	7.996	7.996	0.000	99	1339857	50.0	
65 Trichloroethene	95	8.459	8.463	-0.004	98	20464	2.27	Ma
69 1,2-Dichloropropane	63		8.800				ND	
74 Dichlorobromomethane	83		9.138				ND	
77 cis-1,3-Dichloropropene	75		9.659				ND	
78 4-Methyl-2-pentanone (MIBK)	43		9.826				ND	7
$ 79 Toluene-d8 (Surr)	98	9.948	9.951	-0.003	93	1207939	53.8	
118 Toluene	92		10.022				ND	7
120 trans-1,3-Dichloropropene	75		10.266				ND	7
122 1,1,2-Trichloroethane	97		10.463				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
123 Tetrachloroethene	166		10.543				ND	7
126 2-Hexanone	43		10.672				ND	7
128 Chlorodibromomethane	129		10.826				ND	
129 Ethylene Dibromide	107		10.938				ND	
S 130 Xylenes, Total	106		11.245				ND	7
* 131 Chlorobenzene-d5 (IS)	117	11.356	11.353	0.003	85	913927	50.0	
133 Chlorobenzene	112		11.382				ND	
134 1,1,1,2-Tetrachloroethane	131		11.456				ND	
135 Ethylbenzene	91		11.459				ND	
136 m-Xylene & p-Xylene	106		11.575				ND	7
138 o-Xylene	106		11.893				ND	
139 Styrene	104		11.909				ND	
140 Bromoform	173		12.064				ND	7
$ 144 4-Bromofluorobenzene (Surr)	95	12.331	12.327	0.004	89	446576	52.7	
145 1,1,2,2-Tetrachloroethane	83		12.427				ND	
* 160 1,4-Dichlorobenzene-d4	152	13.196	13.196	0.000	95	519886	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MSV_Cent_ISSS_00045 Amount Added: 5.00 Units: uL Run Reagent

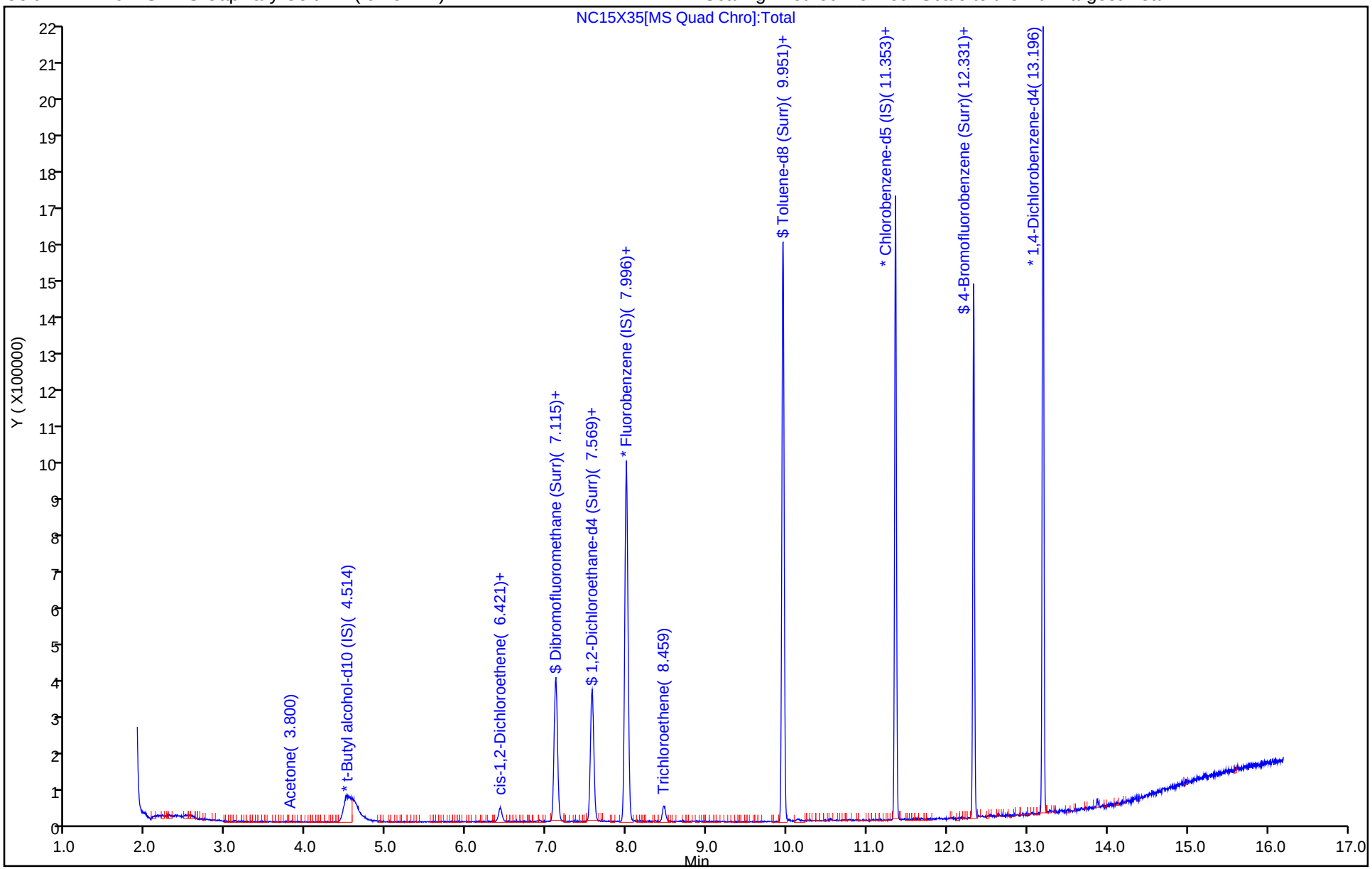
Report Date: 16-Oct-2025 10:41:06 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X35.D

Injection Date:	15-Oct-2025 21:05:53	Instrument ID:	7159	Operator ID:	clm27445
Lims ID:	410-245374-B-10	Lab Sample ID:	410-245374-10	Worklist Smp#:	27
Client ID:	HD-MW-69-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X35.D
Lims ID: 410-245374-B-10
Client ID: HD-MW-69-0/1-0
Sample Type: Client
Inject. Date: 15-Oct-2025 21:05:53 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163218-027
Operator ID: clm27445 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 16-Oct-2025 10:41:04 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1636

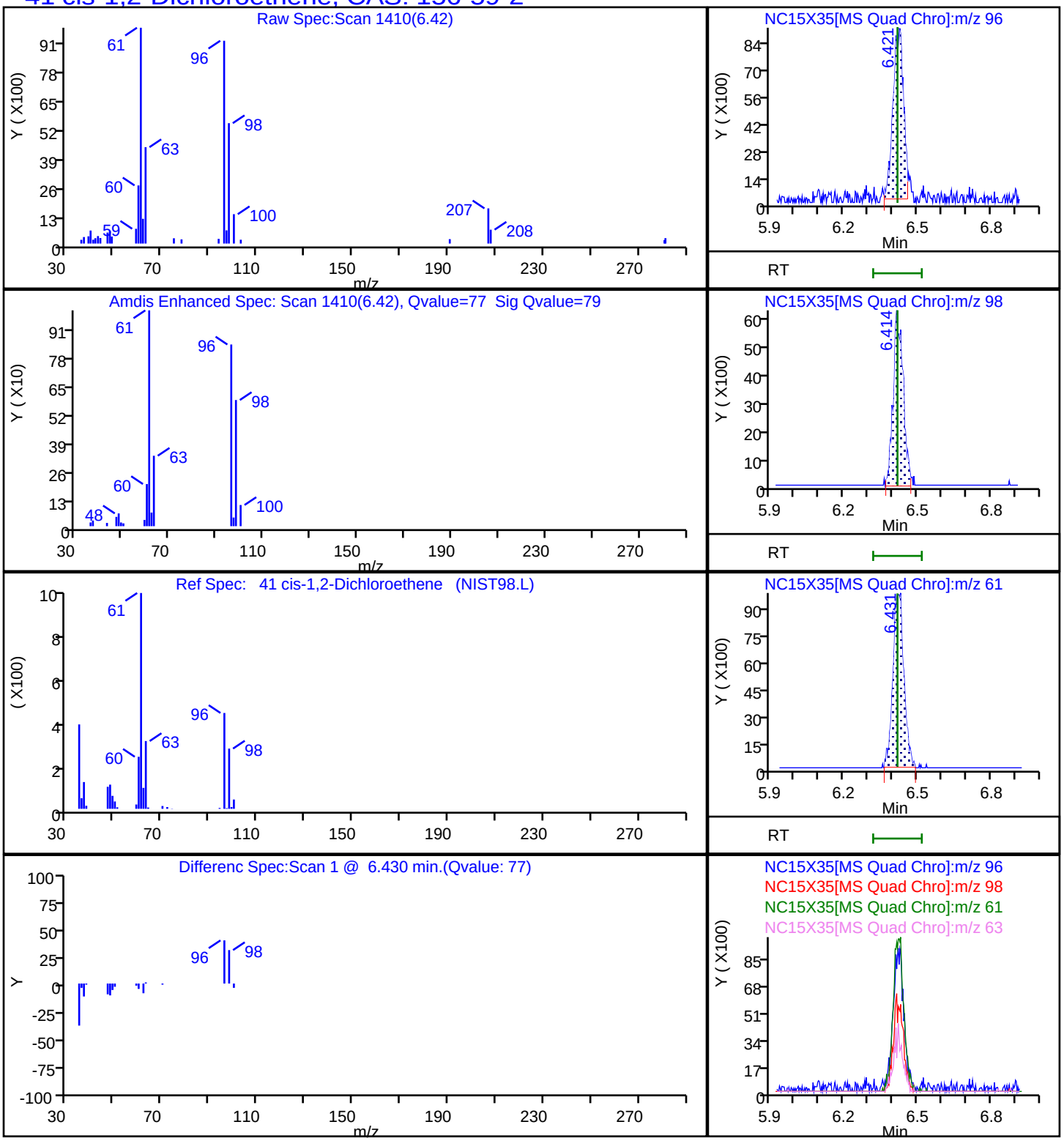
First Level Reviewer: N9NA Date: 16-Oct-2025 10:41:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	47.2	94.42
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	51.2	102.40
$ 79 Toluene-d8 (Surr)	50.0	53.8	107.61
$ 144 4-Bromofluorobenzene (Surr)	50.0	52.7	105.36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X35.D				
Injection Date:	15-Oct-2025 21:05:53	Instrument ID:	7159		
Lims ID:	410-245374-B-10	Lab Sample ID:	410-245374-10		
Client ID:	HD-MW-69-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	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

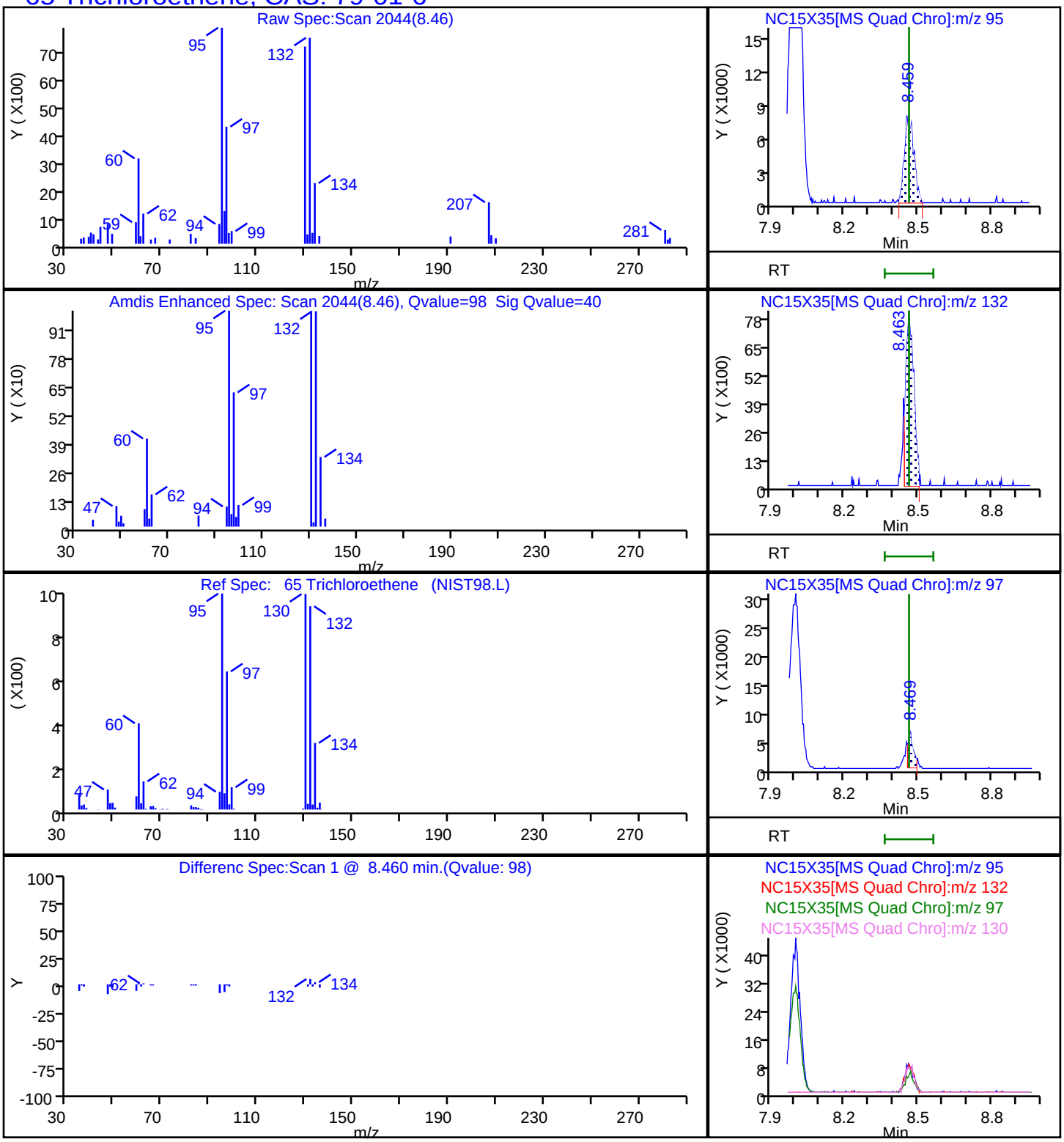


Report Date: 16-Oct-2025 10:41:06 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X35.D				
Injection Date:	15-Oct-2025 21:05:53	Instrument ID:	7159		
Lims ID:	410-245374-B-10	Lab Sample ID:	410-245374-10		
Client ID:	HD-MW-69-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

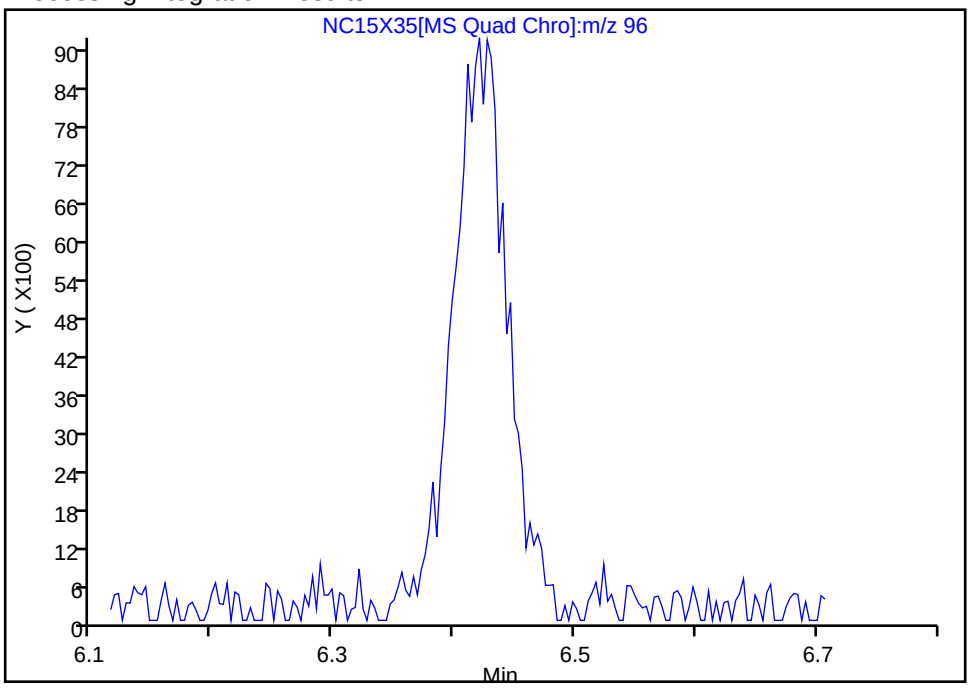
Data File:	\\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X35.D				
Injection Date:	15-Oct-2025 21:05:53	Instrument ID:	7159		
Lims ID:	410-245374-B-10	Lab Sample ID:	410-245374-10		
Client ID:	HD-MW-69-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	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

Signal: 1

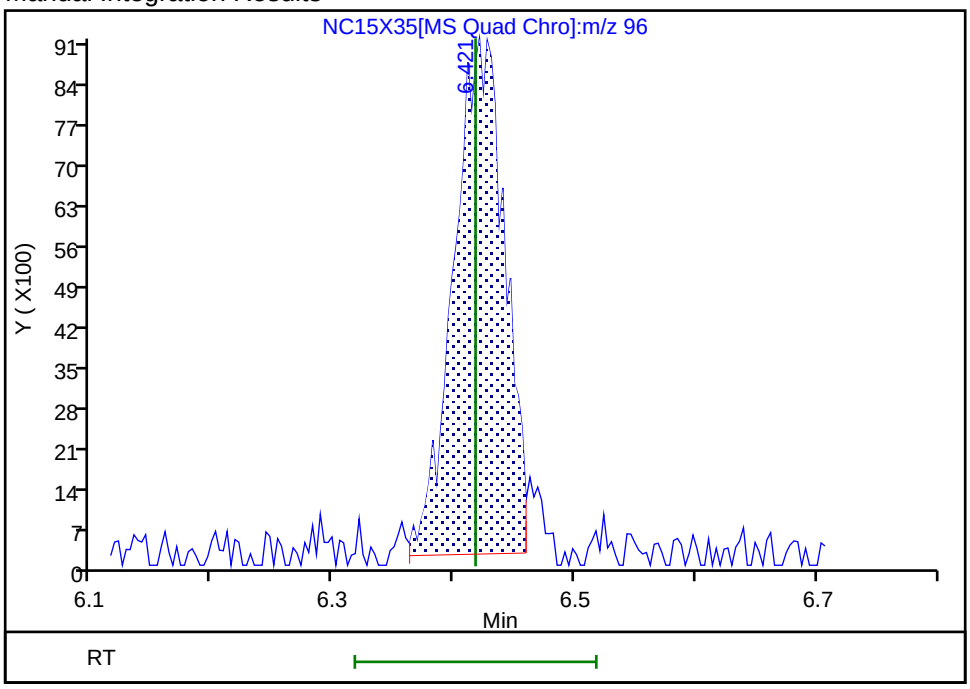
Not Detected
Expected RT: 6.42

Processing Integration Results



Manual Integration Results

RT: 6.42
Area: 26276
Amount: 2.773992
Amount Units: ug/l



Reviewer: D9QF, 16-Oct-2025 10:00:04 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

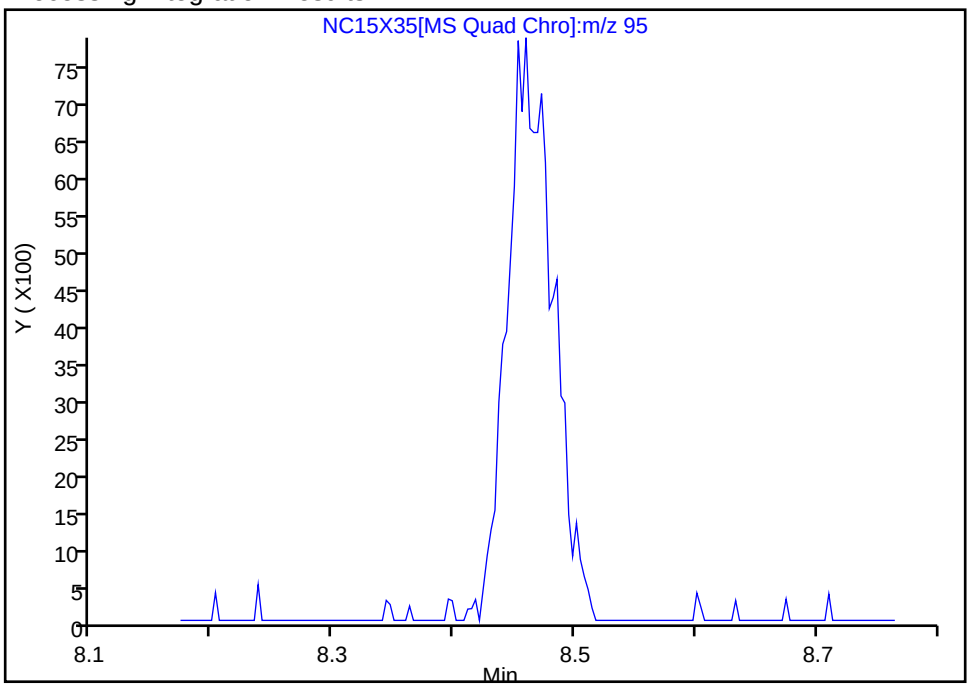
Data File:	\\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X35.D				
Injection Date:	15-Oct-2025 21:05:53	Instrument ID:	7159		
Lims ID:	410-245374-B-10	Lab Sample ID:	410-245374-10		
Client ID:	HD-MW-69-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6

Signal: 1

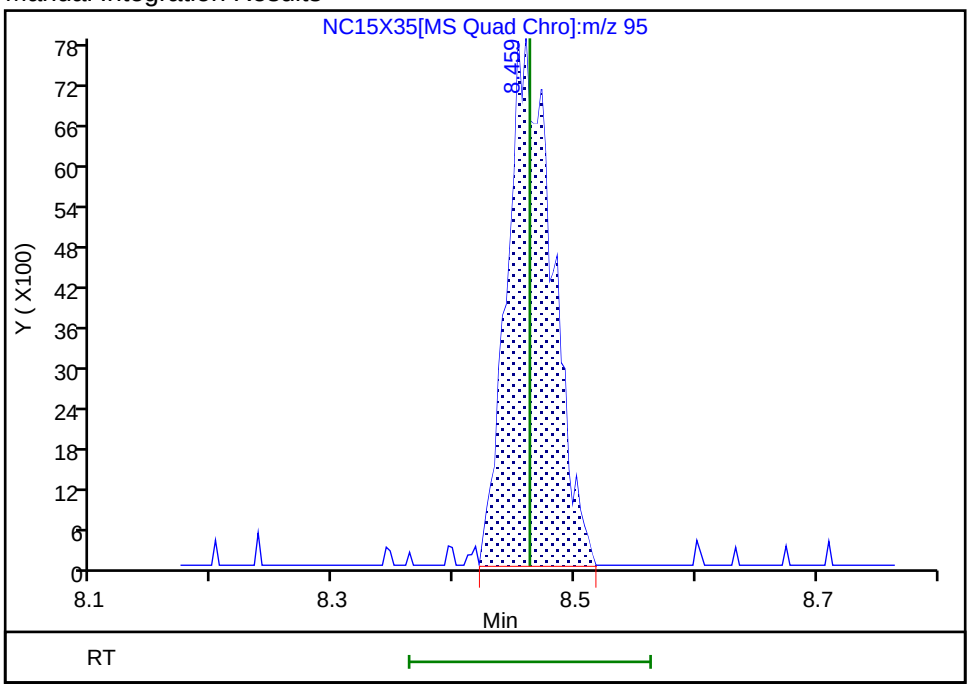
Not Detected
Expected RT: 8.46

Processing Integration Results



Manual Integration Results

RT: 8.46
Area: 20464
Amount: 2.271885
Amount Units: ug/l



Reviewer: N9NA, 16-Oct-2025 10:40:56 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-2-0/1-0
Lab Sample ID: 410-245374-11

Matrix: Water
Lab File ID: LC16X17.D

Analysis Method: 8260D
Date Collected: 10/03/2025 11:20

Sample wt/vol: 5(mL)
Date Analyzed: 10/16/2025 16:12

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.: 714809
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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	61		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-2-0/1-0
Lab Sample ID: 410-245374-11

Matrix: Water
Lab File ID: LC16X17.D

Analysis Method: 8260D
Date Collected: 10/03/2025 11:20

Sample wt/vol: 5(mL)
Date Analyzed: 10/16/2025 16:12

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.: 714809
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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	0.41	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)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X17.D
Lims ID: 410-245374-B-11
Client ID: HD-MW-2-0/1-0
Sample Type: Client
Inject. Date: 16-Oct-2025 16:12:22 ALS Bottle#: 17 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163364-016
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2025 14:33:21 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1643

First Level Reviewer: QD9U Date: 17-Oct-2025 14:33:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.065				ND	
7 Vinyl chloride	62		2.174				ND	
9 Bromomethane	94		2.502				ND	
10 Chloroethane	64		2.560				ND	
18 1,1-Dichloroethene	96		3.367				ND	
19 Acetone	58		3.406				ND	
23 Carbon disulfide	76		3.672				ND	
27 Methylene Chloride	84		4.013				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	4.110	4.097	0.013	51	177928	250.0	
31 Methyl tert-butyl ether	73		4.386				ND	
32 trans-1,2-Dichloroethene	96		4.402				ND	7
36 1,1-Dichloroethane	63		5.081				ND	
41 2-Butanone (MEK)	43		5.923				ND	7
42 cis-1,2-Dichloroethene	96		5.930				ND	7
49 Chlorobromomethane	128		6.267				ND	
51 Chloroform	83	6.425	6.428	-0.003	1	1328	0.1467	
53 1,1,1-Trichloroethane	97		6.647				ND	
$ 52 Dibromofluoromethane (Surr)	113	6.647	6.647	0.000	94	243019	51.5	
56 Carbon tetrachloride	117		6.859				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.100	7.110	-0.010	72	61985	53.0	
59 Benzene	78		7.126				ND	
60 1,2-Dichloroethane	62		7.209				ND	
* 63 Fluorobenzene (IS)	96	7.537	7.544	-0.007	99	939688	50.0	
67 Trichloroethene	95	8.020	8.013	0.007	91	2127	0.4077	
70 1,2-Dichloropropane	63		8.354				ND	
76 Dichlorobromomethane	83		8.704				ND	
79 cis-1,3-Dichloropropene	75		9.261				ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.454				ND	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	832191	49.8	
83 Toluene	92		9.653				ND	7
95 trans-1,3-Dichloropropene	75		9.923				ND	
118 1,1,2-Trichloroethane	97		10.129				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
119 Tetrachloroethene	166	10.206	10.206	0.000	99	339289	61.1	
122 2-Hexanone	43		10.354				ND	7
124 Chlorodibromomethane	129		10.508				ND	
125 Ethylene Dibromide	107		10.618				ND	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	86	630457	50.0	
128 Chlorobenzene	112		11.077				ND	
132 1,1,1,2-Tetrachloroethane	131		11.161				ND	
133 Ethylbenzene	91		11.164				ND	
S 134 Xylenes, Total	106		11.245				ND	7
135 m-Xylene & p-Xylene	106		11.280				ND	
137 o-Xylene	106		11.611				ND	
138 Styrene	104		11.627				ND	
139 Bromoform	173		11.781				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	93	298234	49.8	
146 1,1,2,2-Tetrachloroethane	83		12.164				ND	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	94	418313	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP23_ISSS_00017 Amount Added: 1.00 Units: uL Run Reagent

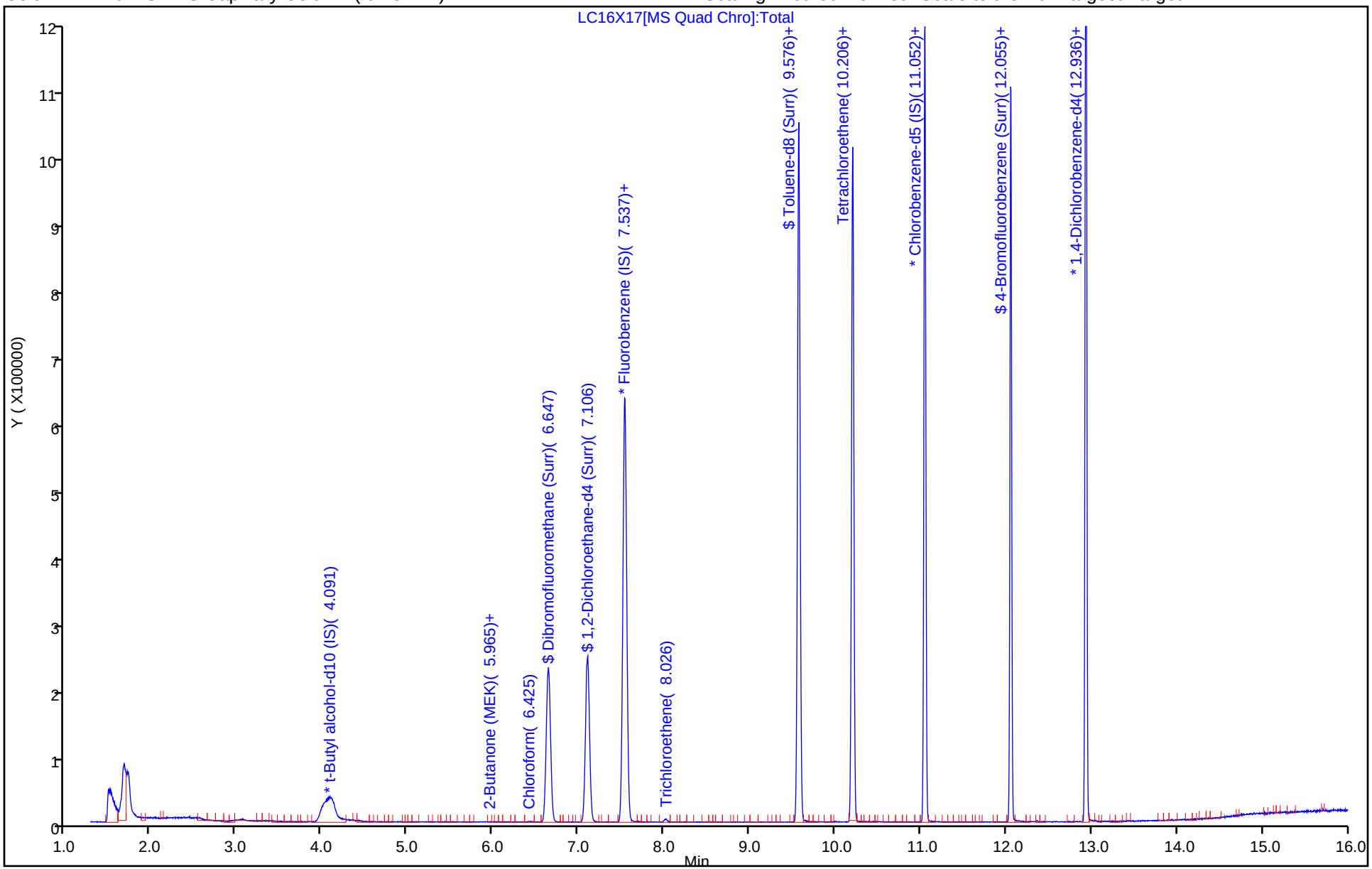
Report Date: 17-Oct-2025 14:33:21 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X17.D

Injection Date:	16-Oct-2025 16:12:22	Instrument ID:	9915	Operator ID:	clm27445
Lims ID:	410-245374-B-11	Lab Sample ID:	410-245374-11	Worklist Smp#:	16
Client ID:	HD-MW-2-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X17.D
Lims ID: 410-245374-B-11
Client ID: HD-MW-2-0/1-0
Sample Type: Client
Inject. Date: 16-Oct-2025 16:12:22 ALS Bottle#: 17 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163364-016
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2025 14:33:21 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1643

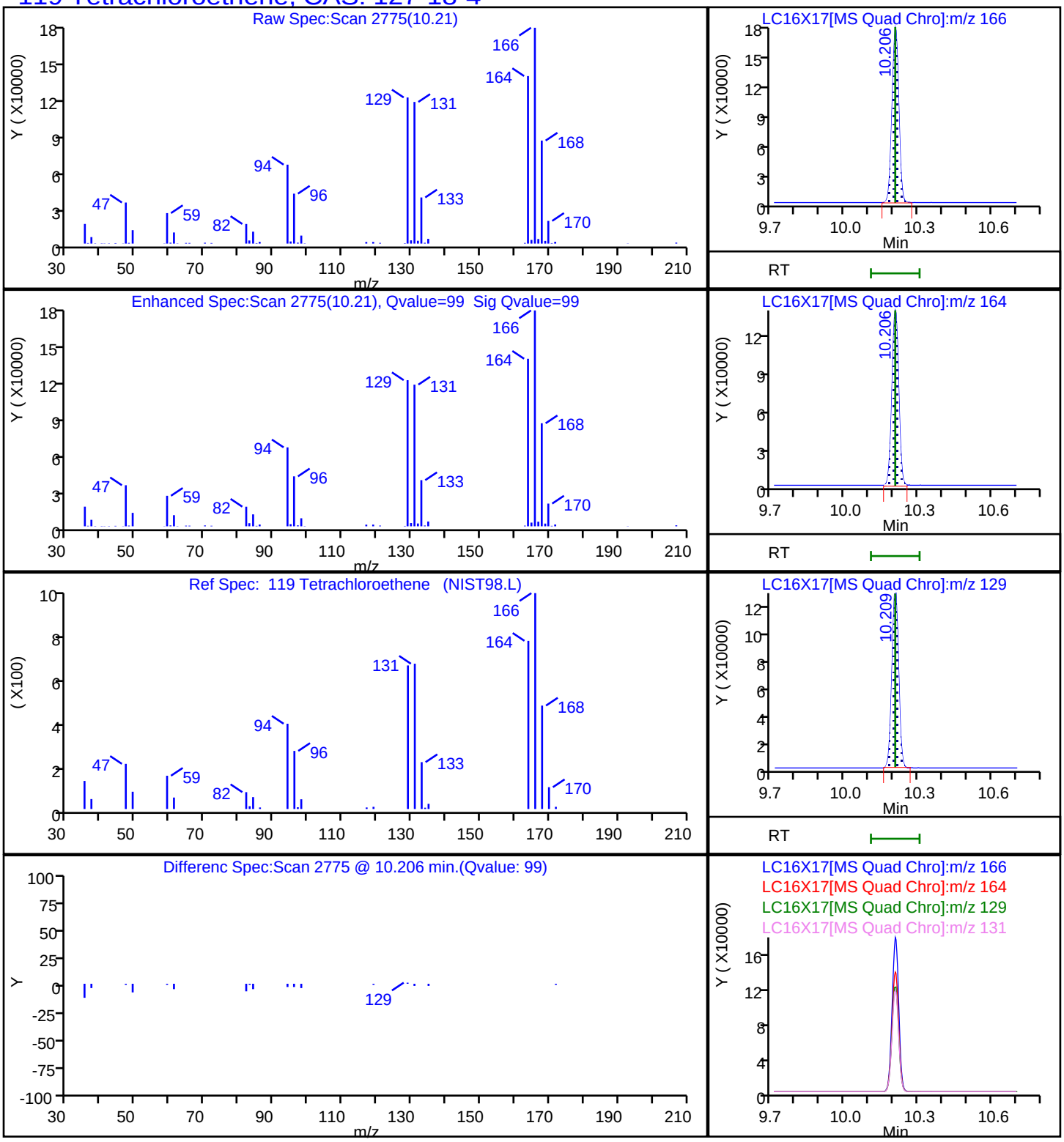
First Level Reviewer: QD9U Date: 17-Oct-2025 14:33:21

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	51.5	103.07
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	53.0	106.07
$ 82 Toluene-d8 (Surr)	50.0	49.8	99.59
$ 143 4-Bromofluorobenzene (Surr)	50.0	49.8	99.66

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X17.D				
Injection Date:	16-Oct-2025 16:12:22	Instrument ID:	9915		
Lims ID:	410-245374-B-11	Lab Sample ID:	410-245374-11		
Client ID:	HD-MW-2-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	17	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

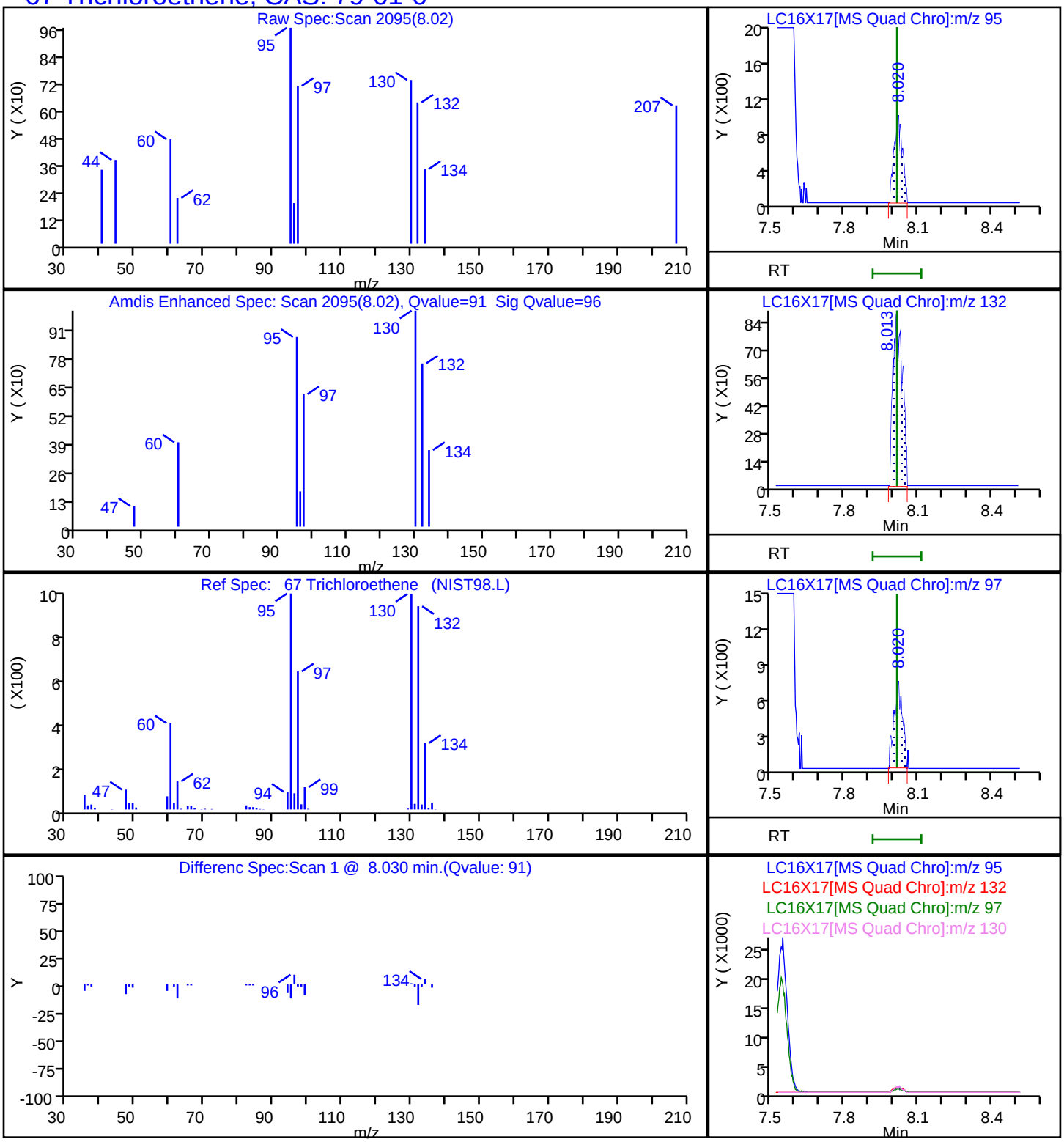
119 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X17.D				
Injection Date:	16-Oct-2025 16:12:22	Instrument ID:	9915		
Lims ID:	410-245374-B-11	Lab Sample ID:	410-245374-11		
Client ID:	HD-MW-2-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	17	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

67 Trichloroethene, CAS: 79-01-6



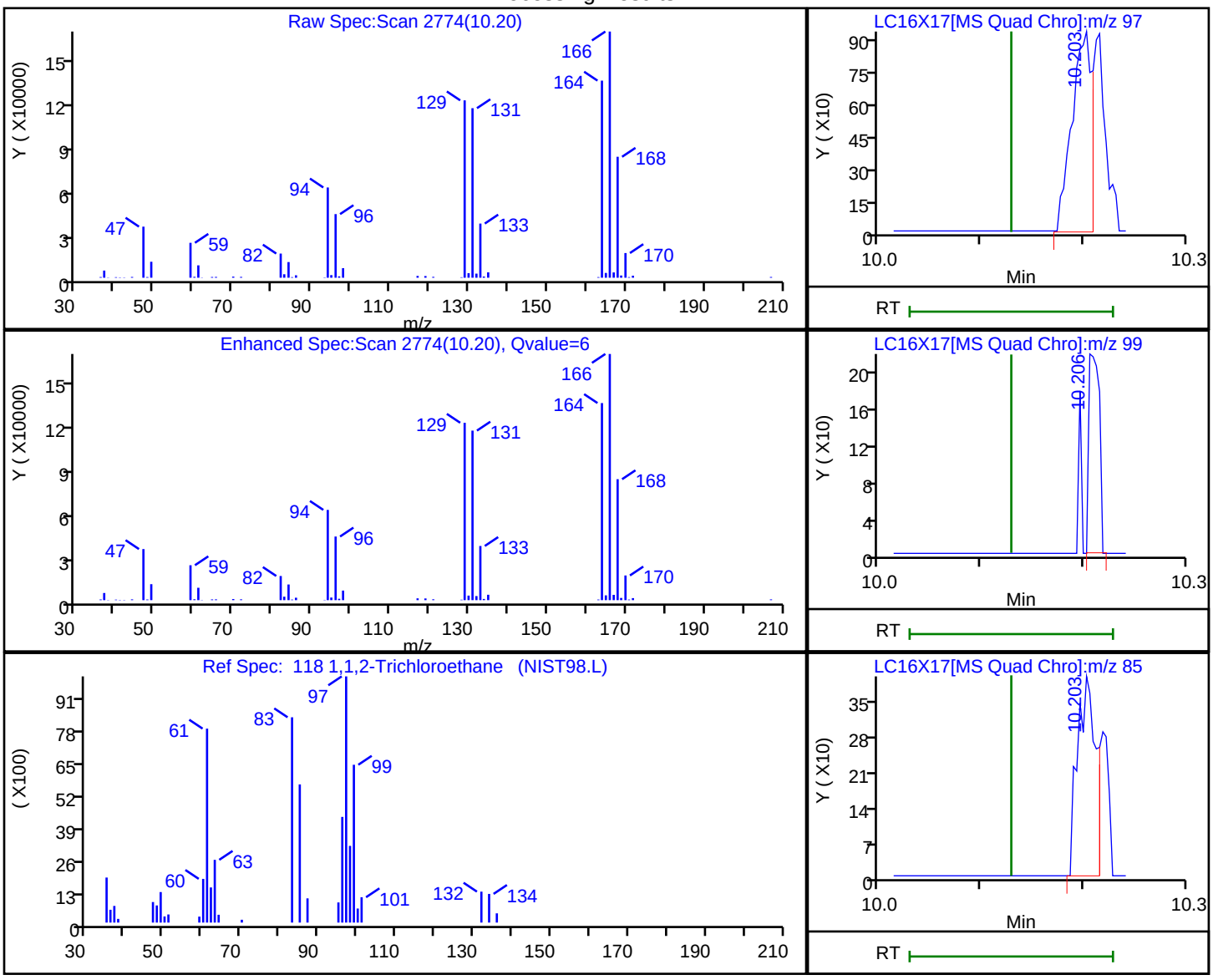
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X17.D				
Injection Date:	16-Oct-2025 16:12:22	Instrument ID:	9915		
Lims ID:	410-245374-B-11	Lab Sample ID:	410-245374-11		
Client ID:	HD-MW-2-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	17	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

118 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
10.20	97.00	1284	0.319855
10.21	99.00	156	
10.20	85.00	499	
10.21	83.00	5349	

Reviewer: QD9U, 17-Oct-2025 14:33:14 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.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-111-0/1-0
Lab Sample ID: 410-245374-12

Matrix: Water
Lab File ID: LC16X18.D

Analysis Method: 8260D
Date Collected: 10/03/2025 12:43

Sample wt/vol: 5(mL)
Date Analyzed: 10/16/2025 16:34

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.: 714809
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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	5.8		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.: 410-245374-1

SDG No.:

Client Sample ID: HD-MW-111-0/1-0
Lab Sample ID: 410-245374-12

Matrix: Water
Lab File ID: LC16X18.D

Analysis Method: 8260D
Date Collected: 10/03/2025 12:43

Sample wt/vol: 5(mL)
Date Analyzed: 10/16/2025 16:34

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.: 714809
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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	0.38	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)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X18.D
Lims ID: 410-245374-A-12
Client ID: HD-MW-111-0/1-0
Sample Type: Client
Inject. Date: 16-Oct-2025 16:34:52 ALS Bottle#: 18 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163364-017
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2025 14:33:21 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1643

First Level Reviewer: QD9U Date: 17-Oct-2025 14:33:47

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	5 Chloromethane	50		2.065				ND	
	7 Vinyl chloride	62		2.174				ND	
	9 Bromomethane	94		2.502				ND	
	10 Chloroethane	64		2.560				ND	
	18 1,1-Dichloroethene	96	3.364	3.367	-0.003	6	862	0.1826	
	19 Acetone	58		3.406				ND	
	23 Carbon disulfide	76		3.672				ND	
	27 Methylene Chloride	84		4.013				ND	
*	28 t-Butyl alcohol-d10 (IS)	65	4.087	4.097	-0.010	0	170783	250.0	
	31 Methyl tert-butyl ether	73		4.386				ND	7
	32 trans-1,2-Dichloroethene	96		4.402				ND	
	36 1,1-Dichloroethane	63		5.081				ND	7
	41 2-Butanone (MEK)	43		5.923				ND	
	42 cis-1,2-Dichloroethene	96	5.930	5.930	0.000	79	33700	5.83	
	49 Chlorobromomethane	128		6.267				ND	
	51 Chloroform	83		6.428				ND	
	53 1,1,1-Trichloroethane	97		6.647				ND	
$	52 Dibromofluoromethane (Surr)	113	6.647	6.647	0.000	94	238281	52.3	
	56 Carbon tetrachloride	117		6.859				ND	
$	58 1,2-Dichloroethane-d4 (Surr)	102	7.103	7.110	-0.007	72	58926	52.2	
	59 Benzene	78		7.126				ND	7
	60 1,2-Dichloroethane	62		7.209				ND	
*	63 Fluorobenzene (IS)	96	7.537	7.544	-0.007	99	907876	50.0	
	67 Trichloroethene	95	8.020	8.013	0.007	90	1936	0.3841	
	70 1,2-Dichloropropane	63		8.354				ND	
	76 Dichlorobromomethane	83		8.704				ND	
	79 cis-1,3-Dichloropropene	75		9.261				ND	
	80 4-Methyl-2-pentanone (MIBK)	43		9.454				ND	
$	82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	798972	50.1	
	83 Toluene	92		9.653				ND	7
	95 trans-1,3-Dichloropropene	75		9.923				ND	
	118 1,1,2-Trichloroethane	97		10.129				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
119 Tetrachloroethene	166		10.206				ND	7
122 2-Hexanone	43		10.354				ND	
124 Chlorodibromomethane	129		10.508				ND	
125 Ethylene Dibromide	107		10.618				ND	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	86	601822	50.0	
128 Chlorobenzene	112		11.077				ND	
132 1,1,1,2-Tetrachloroethane	131		11.161				ND	
133 Ethylbenzene	91		11.164				ND	
S 134 Xylenes, Total	106		11.245				ND	7
135 m-Xylene & p-Xylene	106		11.280				ND	
137 o-Xylene	106		11.611				ND	
138 Styrene	104		11.627				ND	
139 Bromoform	173		11.781				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	96	282645	49.5	
146 1,1,2,2-Tetrachloroethane	83		12.164				ND	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	94	405052	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

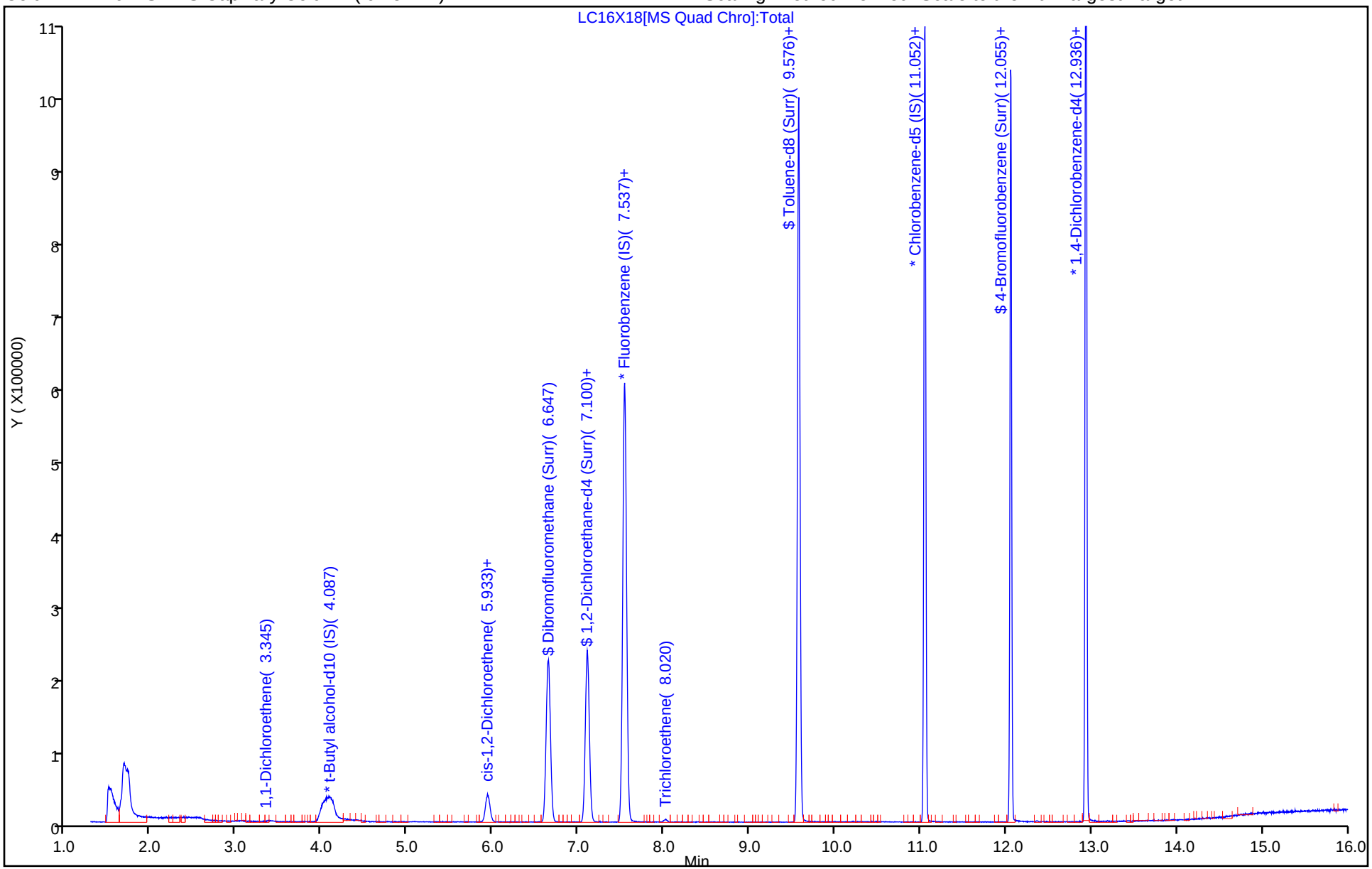
MSV_HP23_ISSS_00017 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 17-Oct-2025 14:33:47 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X18.D				
Injection Date:	16-Oct-2025 16:34:52	Instrument ID:	9915	Operator ID:	clm27445
Lims ID:	410-245374-A-12	Lab Sample ID:	410-245374-12	Worklist Smp#:	17
Client ID:	HD-MW-111-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X18.D
Lims ID: 410-245374-A-12
Client ID: HD-MW-111-0/1-0
Sample Type: Client
Inject. Date: 16-Oct-2025 16:34:52 ALS Bottle#: 18 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163364-017
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2025 14:33:21 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1643

First Level Reviewer: QD9U Date: 17-Oct-2025 14:33:47

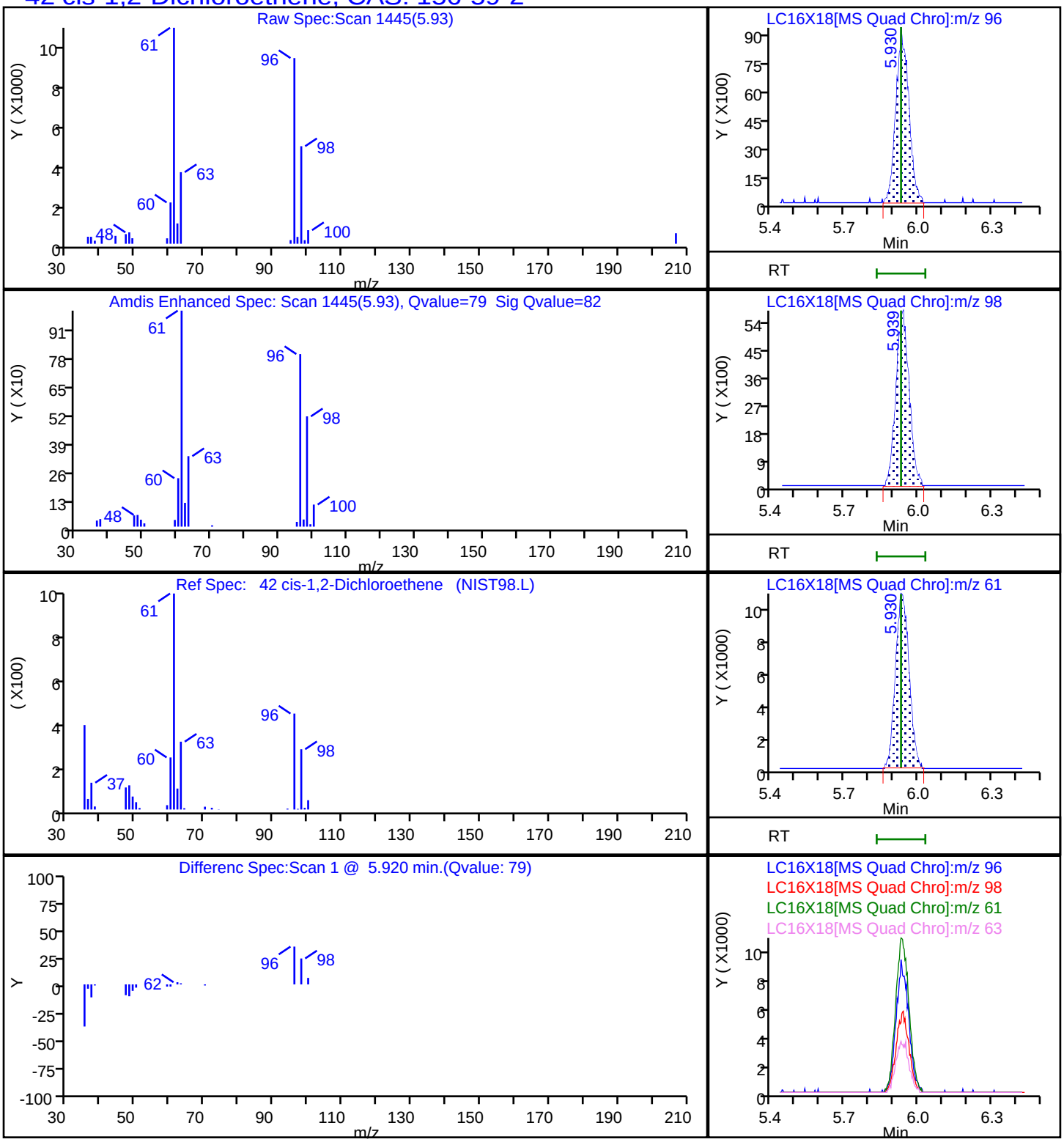
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	52.3	104.60
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	52.2	104.37
$ 82 Toluene-d8 (Surr)	50.0	50.1	100.16
$ 143 4-Bromofluorobenzene (Surr)	50.0	49.5	98.94

Report Date: 17-Oct-2025 14:33:47 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X18.D				
Injection Date:	16-Oct-2025 16:34:52	Instrument ID:	9915		
Lims ID:	410-245374-A-12	Lab Sample ID:	410-245374-12		
Client ID:	HD-MW-111-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	18	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

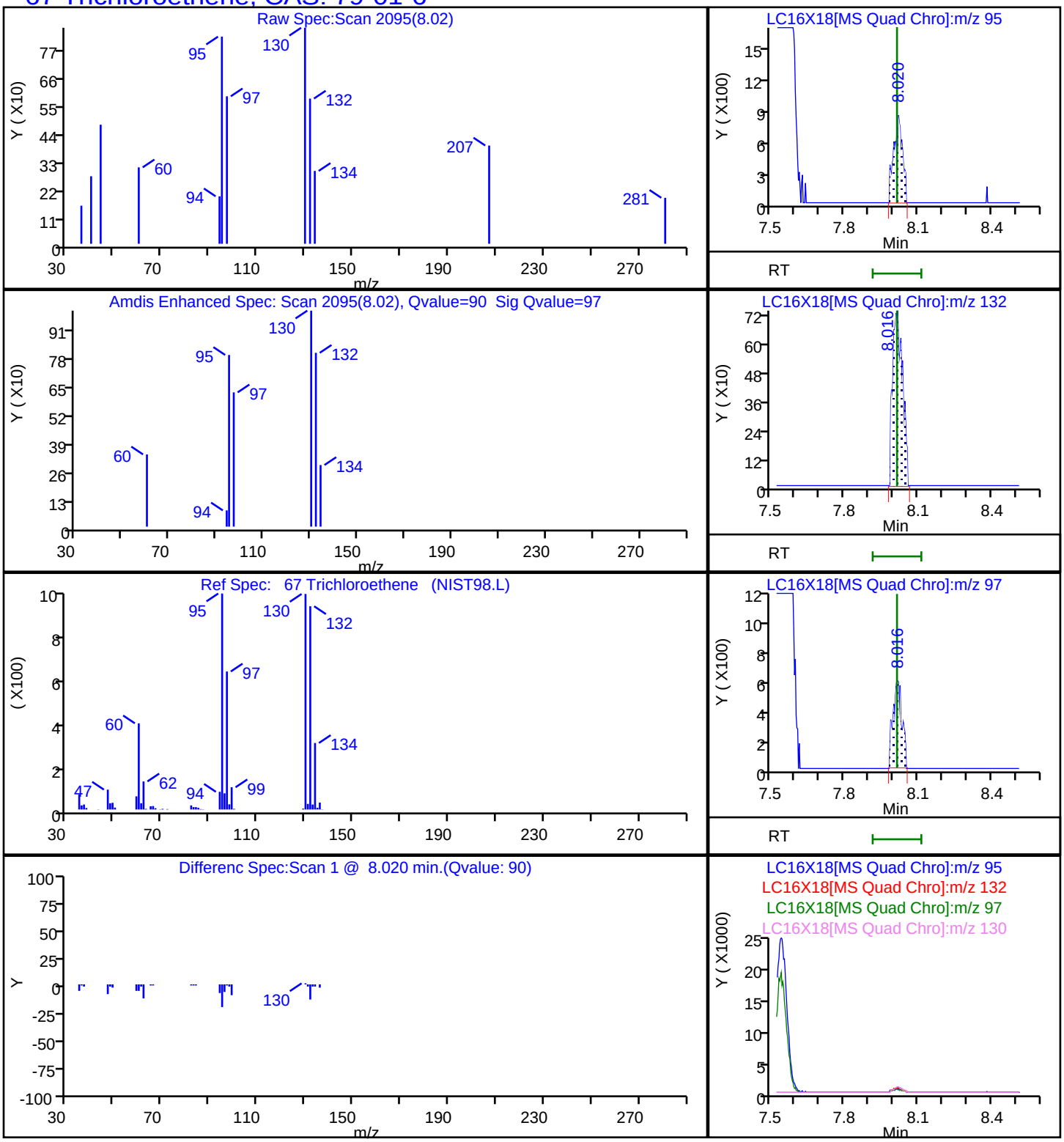


Report Date: 17-Oct-2025 14:33:47 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X18.D				
Injection Date:	16-Oct-2025 16:34:52	Instrument ID:	9915		
Lims ID:	410-245374-A-12	Lab Sample ID:	410-245374-12		
Client ID:	HD-MW-111-0/1-0				
Operator ID:	clm27445	ALS Bottle#:	18	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

67 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID: HD-QC3-0/1-2
Lab Sample ID: 410-245374-13

Matrix: Water
Lab File ID: NC13X08.D

Analysis Method: 8260D
Date Collected: 10/01/2025 00:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/13/2025 12:51

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.: 712932
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

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	^c *+ cn	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	^c cn	1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	^c cn	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.: 410-245374-1

SDG No.:

Client Sample ID: HD-QC3-0/1-2
Lab Sample ID: 410-245374-13

Matrix: Water
Lab File ID: NC13X08.D

Analysis Method: 8260D
Date Collected: 10/01/2025 00:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/13/2025 12:51

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.: 712932
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	ND		1.0	0.30
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	^c cn	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)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		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\7159\20251013-162929.b\NC13X08.D
Lims ID: 410-245374-A-13
Client ID: HD-QC3-0/1-2
Sample Type: Client
Inject. Date: 13-Oct-2025 12:51:16 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162929-009
Operator ID: knk41612 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 13-Oct-2025 20:30:53 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L Date: 14-Oct-2025 10:18:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.241				ND	7
6 Vinyl chloride	62		2.366				ND	
8 Bromomethane	94		2.707				ND	7
9 Chloroethane	64		2.820				ND	7
17 1,1-Dichloroethene	96		3.752				ND	7
19 Acetone	58		3.797				ND	
22 Carbon disulfide	76	4.061	4.070	-0.009	52	2482	0.1174	
26 Methylene Chloride	84		4.492				ND	
* 27 t-Butyl alcohol-d10 (IS)	65	4.517	4.511	0.006	1	355027	250.0	
32 Methyl tert-butyl ether	73		4.919				ND	
31 trans-1,2-Dichloroethene	96		4.922				ND	7
35 1,1-Dichloroethane	63		5.591				ND	
40 2-Butanone (MEK)	43		6.405				ND	
41 cis-1,2-Dichloroethene	96		6.427				ND	
47 Chlorobromomethane	128		6.755				ND	
49 Chloroform	83		6.903				ND	
$ 50 Dibromofluoromethane (Surr)	113	7.112	7.118	-0.006	94	316453	48.6	
51 1,1,1-Trichloroethane	97		7.128				ND	
53 Carbon tetrachloride	117		7.331				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.562	7.572	-0.010	27	75732	51.6	
57 Benzene	78		7.604				ND	
59 1,2-Dichloroethane	62		7.675				ND	7
* 62 Fluorobenzene (IS)	96	7.996	7.996	0.000	99	1145543	50.0	
65 Trichloroethene	95		8.469				ND	
69 1,2-Dichloropropane	63		8.803				ND	
74 Dichlorobromomethane	83		9.138				ND	
77 cis-1,3-Dichloropropene	75		9.659				ND	
78 4-Methyl-2-pentanone (MIBK)	43		9.829				ND	
$ 79 Toluene-d8 (Surr)	98	9.951	9.954	-0.003	93	1035676	53.1	
118 Toluene	92		10.028				ND	7
120 trans-1,3-Dichloropropene	75		10.269				ND	
122 1,1,2-Trichloroethane	97		10.469				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
123 Tetrachloroethene	166		10.546				ND	
126 2-Hexanone	43		10.675				ND	7
128 Chlorodibromomethane	129		10.832				ND	
129 Ethylene Dibromide	107		10.942				ND	
S 130 Xylenes, Total	106		11.245				ND	7
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.356	-0.003	84	793434	50.0	
133 Chlorobenzene	112		11.382				ND	
134 1,1,1,2-Tetrachloroethane	131		11.459				ND	
135 Ethylbenzene	91		11.466				ND	
136 m-Xylene & p-Xylene	106		11.575				ND	7
138 o-Xylene	106		11.896				ND	
139 Styrene	104		11.909				ND	7
140 Bromoform	173		12.064				ND	7
$ 144 4-Bromofluorobenzene (Surr)	95	12.327	12.331	-0.004	89	367932	50.0	
145 1,1,2,2-Tetrachloroethane	83		12.430				ND	
* 160 1,4-Dichlorobenzene-d4	152	13.196	13.195	0.001	94	439618	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

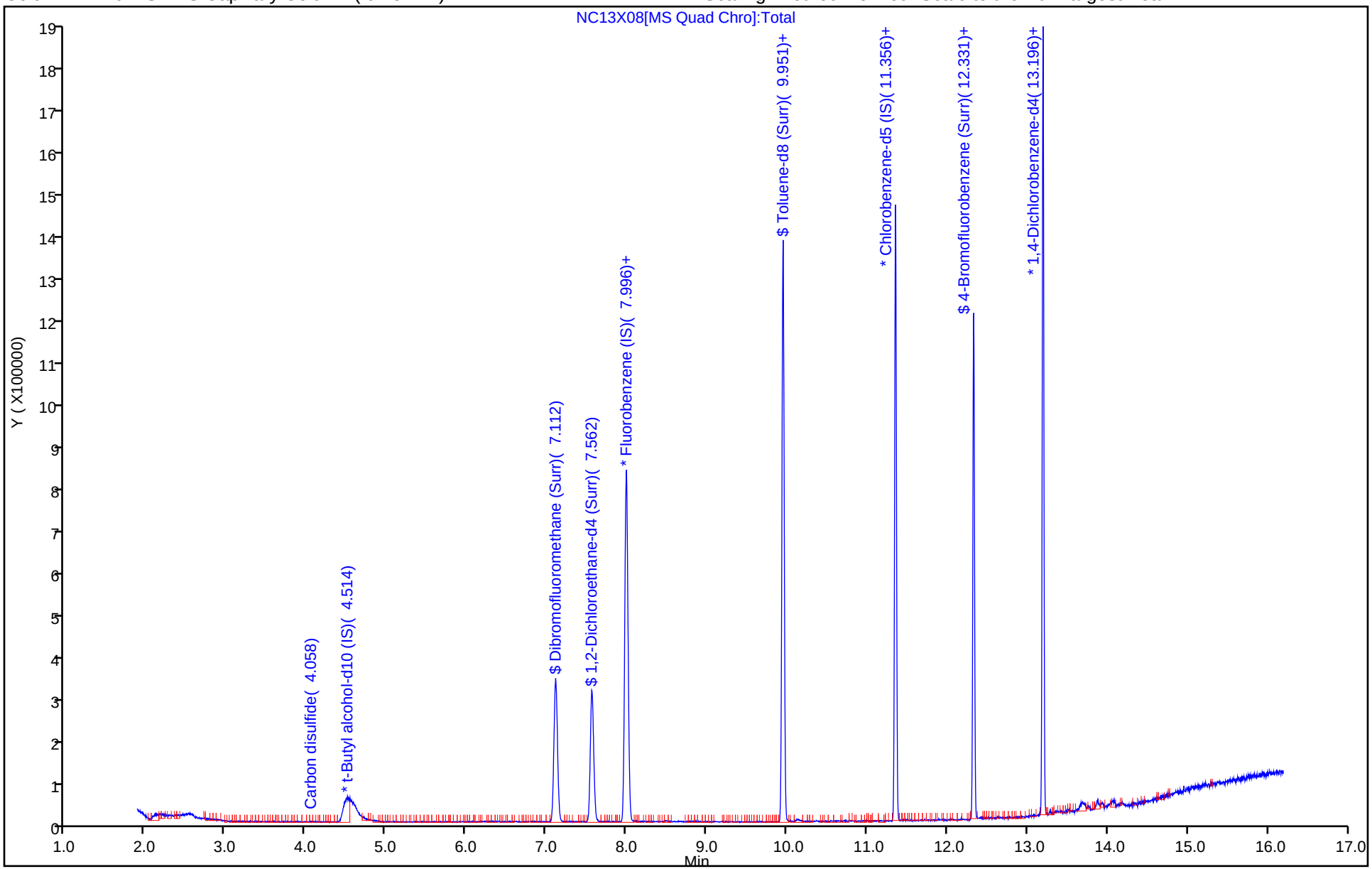
MSV_Cent_ISSS_00045 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 14-Oct-2025 10:18:27 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X08.D				
Injection Date:	13-Oct-2025 12:51:16	Instrument ID:	7159	Operator ID:	knk41612
Lims ID:	410-245374-A-13	Lab Sample ID:	410-245374-13	Worklist Smp#:	9
Client ID:	HD-QC3-0/1-2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X08.D				
Lims ID:	410-245374-A-13				
Client ID:	HD-QC3-0/1-2				
Sample Type:	Client				
Inject. Date:	13-Oct-2025 12:51:16	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0162929-009				
Operator ID:	knk41612	Instrument ID:	7159		
Method:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m				
Limit Group:	MSV - 8260C_D				
Last Update:	13-Oct-2025 20:30:53	Calib Date:	22-Sep-2025 22:59:14		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1605				

First Level Reviewer: FQ4L Date: 14-Oct-2025 10:18:26

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	48.6	97.19
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	51.6	103.21
$ 79 Toluene-d8 (Surr)	50.0	53.1	106.27
$ 144 4-Bromofluorobenzene (Surr)	50.0	50.0	99.98

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID: HD-COLE STEEL MW-12 0/1-0
Lab Sample ID: 410-245374-14

Matrix: Water
Lab File ID: LC16X19.D

Analysis Method: 8260D
Date Collected: 10/03/2025 07:42

Sample wt/vol: 5(mL)
Date Analyzed: 10/16/2025 16:57

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.: 714809
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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	12		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	0.60	J	1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID: HD-COLE STEEL MW-12 0/1-0
Lab Sample ID: 410-245374-14

Matrix: Water
Lab File ID: LC16X19.D

Analysis Method: 8260D
Date Collected: 10/03/2025 07:42

Sample wt/vol: 5(mL)
Date Analyzed: 10/16/2025 16:57

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.: 714809
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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	10		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)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	107		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X19.D
Lims ID: 410-245374-A-14
Client ID: HD-COLE STEEL MW-12 0/1-0
Sample Type: Client
Inject. Date: 16-Oct-2025 16:57:15 ALS Bottle#: 19 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163364-018
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2025 14:33:21 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1643

First Level Reviewer: QD9U Date: 17-Oct-2025 14:34:10

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	5 Chloromethane	50		2.065				ND	7
	7 Vinyl chloride	62		2.174				ND	
	9 Bromomethane	94		2.502				ND	
	10 Chloroethane	64		2.560				ND	
	18 1,1-Dichloroethene	96		3.367				ND	7
	19 Acetone	58		3.406				ND	
	23 Carbon disulfide	76		3.672				ND	
	27 Methylene Chloride	84		4.013				ND	
*	28 t-Butyl alcohol-d10 (IS)	65	4.068	4.097	-0.029	1	167531	250.0	
	31 Methyl tert-butyl ether	73		4.386				ND	
	32 trans-1,2-Dichloroethene	96		4.402				ND	
	36 1,1-Dichloroethane	63		5.081				ND	
	41 2-Butanone (MEK)	43		5.923				ND	
	42 cis-1,2-Dichloroethene	96	5.930	5.930	0.000	79	66389	11.7	
	49 Chlorobromomethane	128		6.267				ND	
	51 Chloroform	83		6.428				ND	
	53 1,1,1-Trichloroethane	97		6.647				ND	
$	52 Dibromofluoromethane (Surr)	113	6.644	6.647	-0.003	94	237869	53.4	
	56 Carbon tetrachloride	117		6.859				ND	
$	58 1,2-Dichloroethane-d4 (Surr)	102	7.100	7.110	-0.010	72	58499	52.9	
	59 Benzene	78		7.126				ND	
	60 1,2-Dichloroethane	62		7.209				ND	
*	63 Fluorobenzene (IS)	96	7.534	7.544	-0.010	99	888286	50.0	
	67 Trichloroethene	95	8.013	8.013	0.000	98	51609	10.5	
	70 1,2-Dichloropropane	63		8.354				ND	
	76 Dichlorobromomethane	83		8.704				ND	
	79 cis-1,3-Dichloropropene	75		9.261				ND	
	80 4-Methyl-2-pentanone (MIBK)	43		9.454				ND	
$	82 Toluene-d8 (Surr)	98	9.573	9.576	-0.003	93	775110	49.3	
	83 Toluene	92		9.653				ND	
	95 trans-1,3-Dichloropropene	75		9.923				ND	
	118 1,1,2-Trichloroethane	97		10.129				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
119 Tetrachloroethene	166	10.203	10.206	-0.003	96	3160	0.6047	
122 2-Hexanone	43		10.354				ND	
124 Chlorodibromomethane	129		10.508				ND	
125 Ethylene Dibromide	107		10.618				ND	
* 126 Chlorobenzene-d5 (IS)	117	11.049	11.052	-0.003	85	593378	50.0	
128 Chlorobenzene	112		11.077				ND	
132 1,1,1,2-Tetrachloroethane	131		11.161				ND	
133 Ethylbenzene	91		11.164				ND	
S 134 Xylenes, Total	106		11.245				ND	7
135 m-Xylene & p-Xylene	106		11.280				ND	
137 o-Xylene	106		11.611				ND	
138 Styrene	104		11.627				ND	
139 Bromoform	173		11.781				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	96	278797	49.5	
146 1,1,2,2-Tetrachloroethane	83		12.164				ND	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	94	394030	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP23_ISSS_00017 Amount Added: 1.00 Units: uL Run Reagent

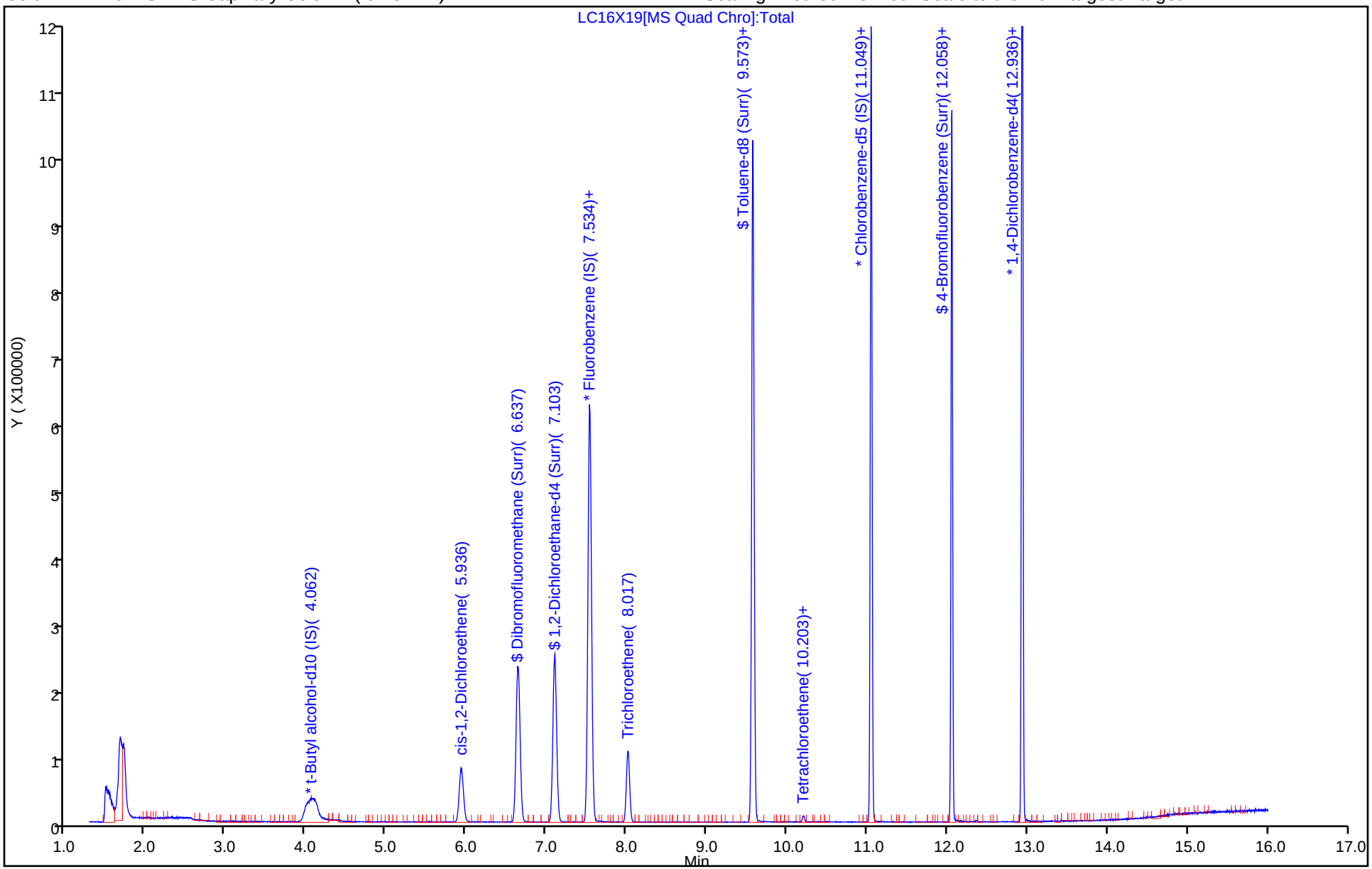
Report Date: 17-Oct-2025 14:34:11 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X19.D

Injection Date:	16-Oct-2025 16:57:15	Instrument ID:	9915	Operator ID:	clm27445
Lims ID:	410-245374-A-14	Lab Sample ID:	410-245374-14	Worklist Smp#:	18
Client ID:	HD-COLE STEEL MW-12 0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X19.D
Lims ID: 410-245374-A-14
Client ID: HD-COLE STEEL MW-12 0/1-0
Sample Type: Client
Inject. Date: 16-Oct-2025 16:57:15 ALS Bottle#: 19 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163364-018
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2025 14:33:21 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1643

First Level Reviewer: QD9U Date: 17-Oct-2025 14:34:10

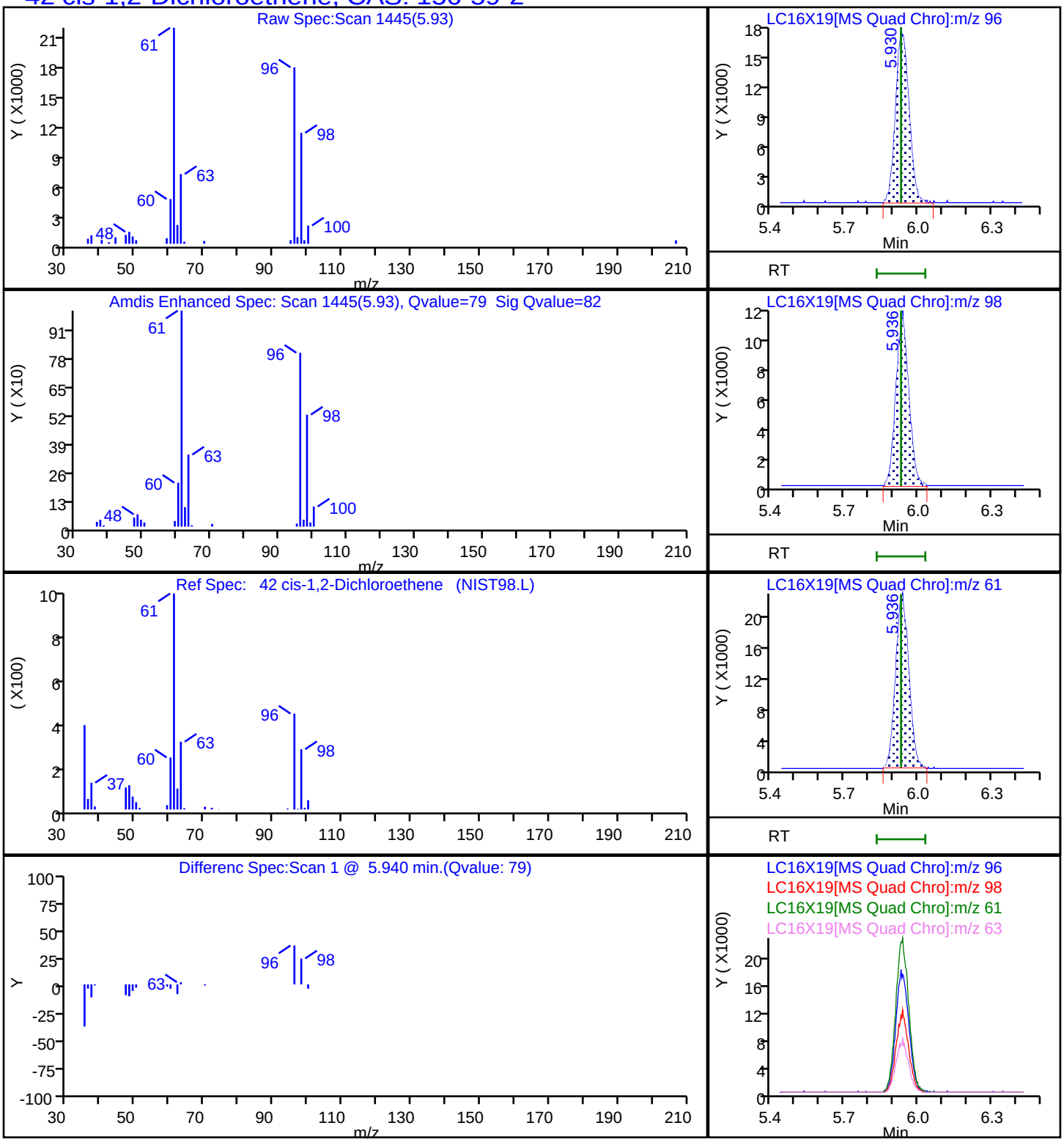
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	53.4	106.73
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	52.9	105.90
$ 82 Toluene-d8 (Surr)	50.0	49.3	98.55
$ 143 4-Bromofluorobenzene (Surr)	50.0	49.5	98.98

Report Date: 17-Oct-2025 14:34:11 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X19.D				
Injection Date:	16-Oct-2025 16:57:15	Instrument ID:	9915		
Lims ID:	410-245374-A-14	Lab Sample ID:	410-245374-14		
Client ID:	HD-COLE STEEL MW-12 0/1-0				
Operator ID:	clm27445	ALS Bottle#:	19	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

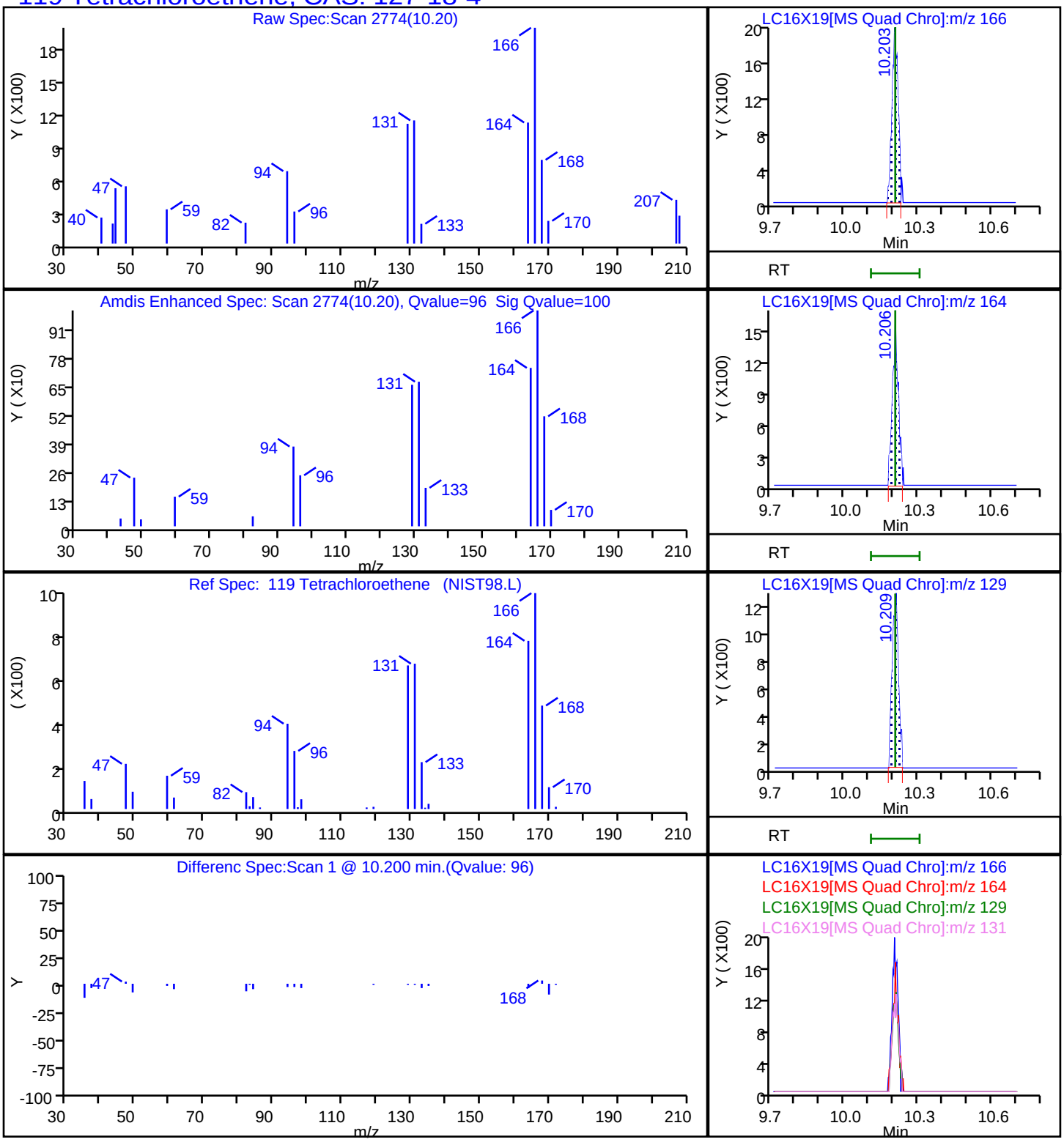


Report Date: 17-Oct-2025 14:34:11 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X19.D		
Injection Date:	16-Oct-2025 16:57:15	Instrument ID:	9915
Lims ID:	410-245374-A-14	Lab Sample ID:	410-245374-14
Client ID:	HD-COLE STEEL MW-12 0/1-0		
Operator ID:	clm27445	ALS Bottle#:	19 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad

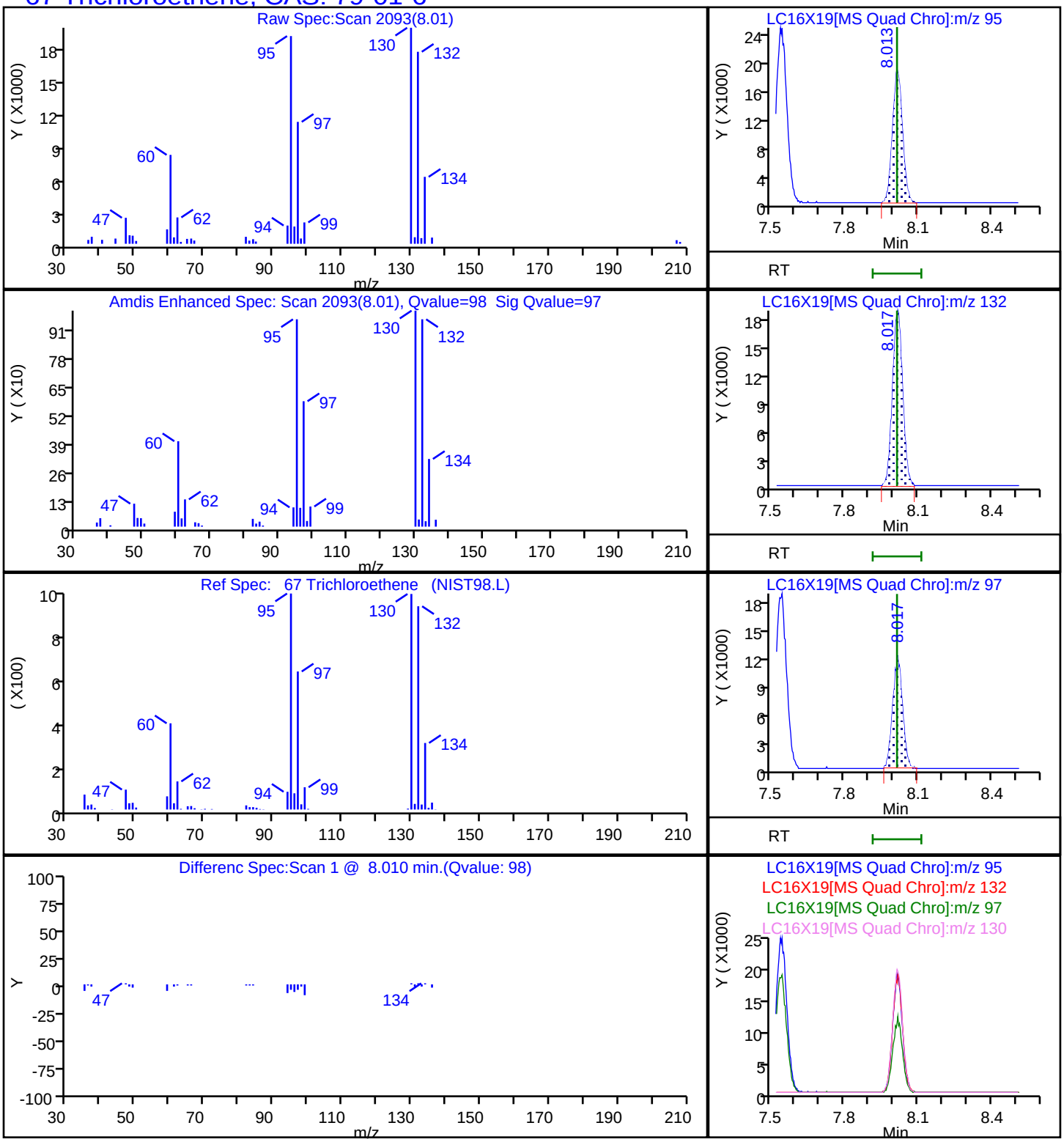
119 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X19.D				
Injection Date:	16-Oct-2025 16:57:15	Instrument ID:	9915		
Lims ID:	410-245374-A-14	Lab Sample ID:	410-245374-14		
Client ID:	HD-COLE STEEL MW-12 0/1-0				
Operator ID:	clm27445	ALS Bottle#:	19	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

67 Trichloroethene, CAS: 79-01-6



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 15:13 Calibration End Date: 09/22/2025 16:52 Calibration ID: 76948

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-702728/3	NS22X03.D
Level 2	IC 410-702728/4	NS22X04.D
Level 3	IC 410-702728/5	NS22X05.D
Level 4	IC 410-702728/6	NS22X06.D
Level 5	IC 410-702728/7	NS22X07.D
Level 6	IC 410-702728/8	NS22X08.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	0.1833 0.2685	0.2382	0.2659	0.2878	0.3211	Ave		0.2608				18.0		20.0			
Chlorodifluoromethane	7.5312 8.5783	8.9779	8.7044	8.6957	9.1255	Ave		8.6022				6.5		20.0			
Freon 133a	0.4065 0.4645	0.4818	0.4774	0.4698	0.4997	Ave		0.4666				6.8		20.0			
Ethyl ether	0.1626 0.1683	0.1617	0.1669	0.1653	0.1623	Ave		0.1645				1.6		20.0			
Acetonitrile	1.1358 0.8114	0.9337	0.8992	0.8657	0.8209	Ave		0.9111				13.1		20.0			
Vinyl acetate	0.4238 0.4241	0.4169	0.4449	0.3823	0.4243	Ave		0.4194				4.9		20.0			
Ethyl acetate	0.2532 0.2572	0.2375	0.2630	0.2574	0.2511	Ave		0.2532				3.4		20.0			
Isopropyl acetate	0.4760 0.5142	0.4578	0.5123	0.5019	0.4940	Ave		0.4927				4.5		20.0			
n-Propyl acetate	0.1135 0.1196	0.1026	0.1192	0.1175	0.1163	Ave		0.1148				5.6		20.0			
3,4-Dichloro-1-butene	0.3213 0.3843	0.3204	0.3278	0.3460	0.3505	Ave		0.3417				7.1		20.0			
Butyl acetate	0.4762 0.5199	0.4552	0.5062	0.5017	0.5076	Ave		0.4944				4.9		20.0			
cis-1,4-Dichloro-2-butene	0.1575 0.2007	0.1631	0.1736	0.1834	0.1891	Ave		0.1779				9.2		20.0			
2,3,4-Trichlorobutene	0.6011 0.7330	0.6018	0.6489	0.6784	0.6906	Ave		0.6590				7.9		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.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 15:13 Calibration End Date: 09/22/2025 16:52 Calibration ID: 76948

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	0.4410 0.3863	0.5123	0.4610	0.2406	0.4127	Ave		0.4090				22.7	*	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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-245374-1 | Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 15:13 | Calibration End Date: 09/22/2025 16:52 | Calibration ID: 76948

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-702728/3	NS22X03.D
Level 2	IC 410-702728/4	NS22X04.D
Level 3	IC 410-702728/5	NS22X05.D
Level 4	IC 410-702728/6	NS22X06.D
Level 5	IC 410-702728/7	NS22X07.D
Level 6	IC 410-702728/8	NS22X08.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	15549 1585444	51206	113092	307481	680301	4.00 300	10.0	20.0	50.0	100
Chlorodifluoromethane	TBAd10	Ave	35168 2877561	107919	205389	510335	1084450	4.00 300	10.0	20.0	50.0	100
Freon 133a	FB	Ave	34492 2743478	103575	203070	501965	1058550	4.00 300	10.0	20.0	50.0	100
Ethyl ether	FB	Ave	13803 994011	34773	71032	176677	343977	4.00 300	10.0	20.0	50.0	100
Acetonitrile	TBAd10	Ave	26520 1360930	56120	106093	254025	487783	20.0 1500	50.0	100	250	500
Vinyl acetate	FB	Ave	35956 2504495	89637	189257	408478	898865	4.00 300	10.0	20.0	50.0	100
Ethyl acetate	FB	Ave	21481 1519226	51059	111854	274994	532051	4.00 300	10.0	20.0	50.0	100
Isopropyl acetate	FB	Ave	40389 3036660	98420	217904	536275	1046620	4.00 300	10.0	20.0	50.0	100
n-Propyl acetate	FB	Ave	9634 706340	22053	50718	125584	246494	4.00 300	10.0	20.0	50.0	100
3,4-Dichloro-1-butene	CBZd5	Ave	21736 1829648	54160	110971	297636	586493	4.00 300	10.0	20.0	50.0	100
Butyl acetate	CBZd5	Ave	32199 2474089	76910	171279	431388	848959	4.00 300	10.0	20.0	50.0	100
cis-1,4-Dichloro-2-butene	CBZd5	Ave	10652 954983	27563	58725	157666	316193	4.00 300	10.00	20.0	50.0	100.0
2,3,4-Trichlorobutene	DCBd4	Ave	24398 2121522	61309	129191	345414	693462	4.00 300	10.0	20.0	50.0	100
Pentachloroethane	DCBd4	Ave	17894 1117802	52172	91741	122466	414276	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.: 410-245374-1 | Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 | GC Column: R-624SilMS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 15:13 | Calibration End Date: 09/22/2025 16:52 | Calibration ID: 76948

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.: 410-245374-1 | Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 | GC Column: R-624SilMS 3 ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 15:13 | Calibration End Date: 09/22/2025 16:52 | Calibration ID: 76948

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-702728/3	NS22X03.D
Level 2	IC 410-702728/4	NS22X04.D
Level 3	IC 410-702728/5	NS22X05.D
Level 4	IC 410-702728/6	NS22X06.D
Level 5	IC 410-702728/7	NS22X07.D
Level 6	IC 410-702728/8	NS22X08.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	-29.7	-8.7	2.0	10.4	23.1	2.9	50	30	30	30	30	30
Chlorodifluoromethane	-12.5	4.4	1.2	1.1	6.1	-0.3	50	30	30	30	30	30
Freon 133a	-12.9	3.2	2.3	0.7	7.1	-0.4	50	30	30	30	30	30
Ethyl ether	-1.1	-1.7	1.5	0.5	-1.3	2.3	50	30	30	30	30	30
Acetonitrile	24.7	2.5	-1.3	-5.0	-9.9	-10.9	50	30	30	30	30	30
Vinyl acetate	1.1	-0.6	6.1	-8.8	1.2	1.1	50	30	30	30	30	30
Ethyl acetate	0.0	-6.2	3.8	1.6	-0.8	1.6	50	30	30	30	30	30
Isopropyl acetate	-3.4	-7.1	4.0	1.9	0.3	4.4	50	30	30	30	30	30
n-Propyl acetate	-1.1	-10.7	3.9	2.4	1.3	4.2	50	30	30	30	30	30
3,4-Dichloro-1-butene	-6.0	-6.2	-4.1	1.2	2.6	12.5	50	30	30	30	30	30
Butyl acetate	-3.7	-7.9	2.4	1.5	2.7	5.2	50	30	30	30	30	30
cis-1,4-Dichloro-2-butene	-11.4	-8.3	-2.4	3.1	6.3	12.8	50	30	30	30	30	30
2,3,4-Trichlorobutene	-8.8	-8.7	-1.5	2.9	4.8	11.2	50	30	30	30	30	30
Pentachloroethane	7.8	25.3	12.7	-41.2 *	0.9	-5.5	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X03.D
Lims ID: IC sm v4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Sep-2025 15:13:33 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0160533-003
Misc. Info.: IC SM V4
Operator ID: kas02648 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub36

Method: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 23-Sep-2025 09:35:10 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: JS6E Date: 22-Sep-2025 18:29:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.987	1.984	0.003	41	15549	4.00	2.81	M
3 Chlorodifluoromethane	51	2.041	2.041	0.000	97	35168	4.00	3.50	M
7 2-Chloro-1,1,1-Trifluoroethane	118	2.434	2.443	-0.009	33	34492	4.00	3.48	M
14 Ethyl ether	59	3.421	3.414	0.007	91	13803	4.00	3.96	
23 Acetonitrile	41	4.224	4.225	-0.001	95	26520	20.0	24.9	M
* 27 t-Butyl alcohol-d10 (IS)	65	4.520	4.533	-0.013	1	291854	250.0	250.0	
34 Vinyl acetate	43	5.588	5.588	0.000	97	35956	4.00	4.04	
42 Ethyl acetate	43	6.469	6.459	0.010	98	21481	4.00	4.00	
58 Isopropyl acetate	43	7.684	7.681	0.003	99	40389	4.00	3.86	
* 62 Fluorobenzene (IS)	96	7.996	7.996	0.000	99	1060564	50.0	50.0	
73 n-Propyl acetate	61	8.967	8.958	0.009	95	9634	4.00	3.96	
125 3,4-Dichloro-1-butene	75	10.662	10.659	0.003	91	21736	4.00	3.76	
127 n-Butyl acetate	43	10.777	10.778	-0.001	98	32199	4.00	3.85	
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.353	0.000	86	845259	50.0	50.0	
142 cis-1,4-Dichloro-2-butene	88	12.234	12.231	0.003	0	10652	4.00	3.54	
153 2,3,4-Trichlorobutene	109	12.694	12.691	0.003	0	24398	4.00	3.65	
156 Pentachloroethane	167	12.906	12.906	0.000	87	17894	4.00	4.31	
* 160 1,4-Dichlorobenzene-d4	152	13.192	13.189	0.003	93	507246	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

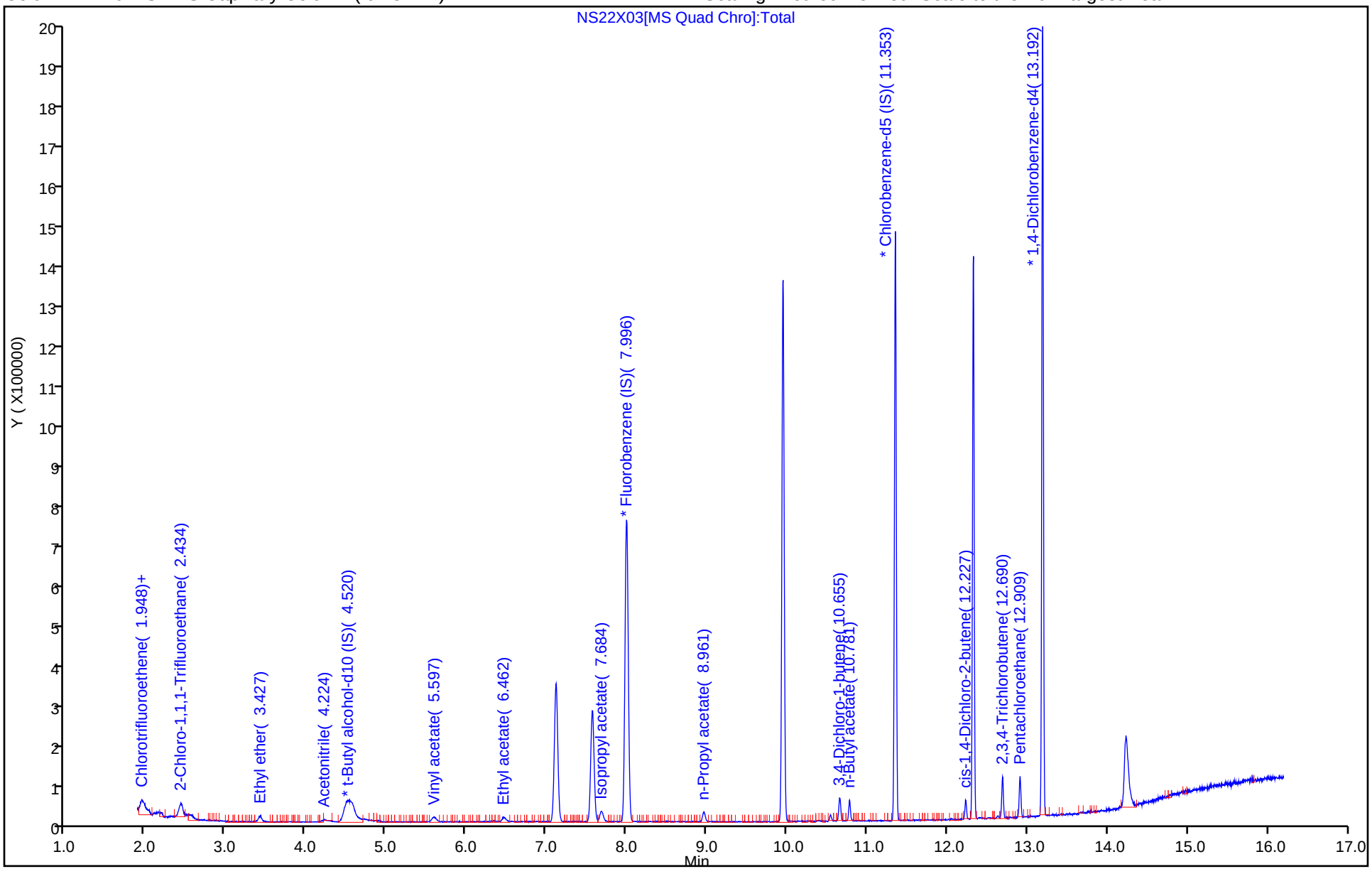
MSV_CCV_V5ACE_00054	Amount Added:	4.00	Units: uL
MSV_CCV_LKB_00014	Amount Added:	4.00	Units: uL
MSV_V_SMFreon_00052	Amount Added:	2.00	Units: uL
MSV_Cent_ISO_00012	Amount Added:	5.00	Units: uL
MSV_CCV_Penta_00072	Amount Added:	4.00	Units: uL
MSV_CCV_EE_00009	Amount Added:	4.00	Units: uL

Report Date: 23-Sep-2025 09:35:11 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X03.D				
Injection Date:	22-Sep-2025 15:13:33	Instrument ID:	7159	Operator ID:	kas02648
Lims ID:	IC sm v4			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

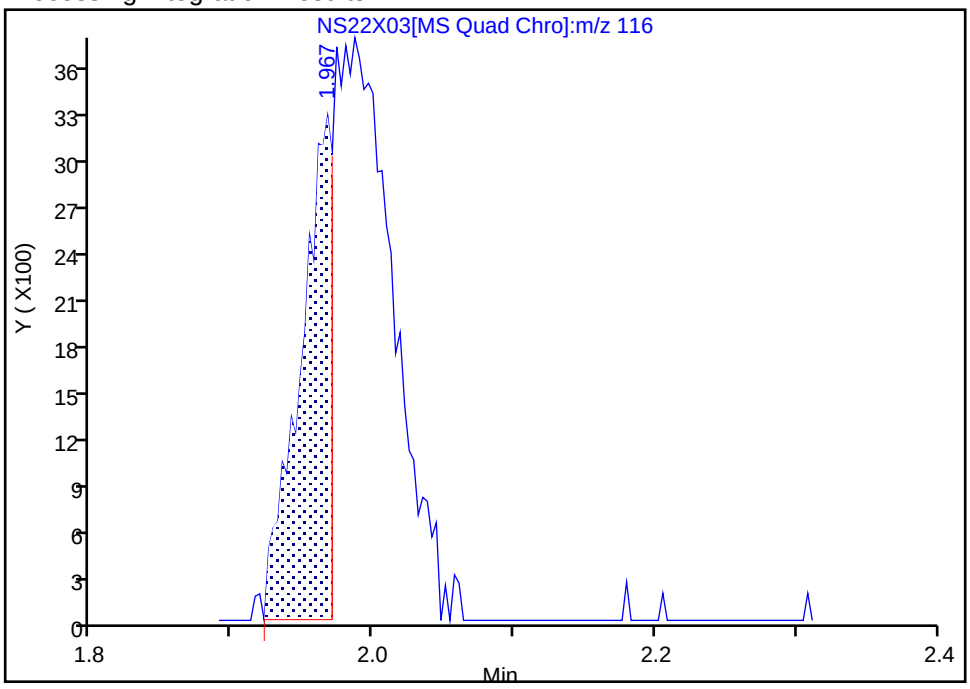
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X03.D				
Injection Date:	22-Sep-2025 15:13:33	Instrument ID:	7159		
Lims ID:	IC sm v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

1 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

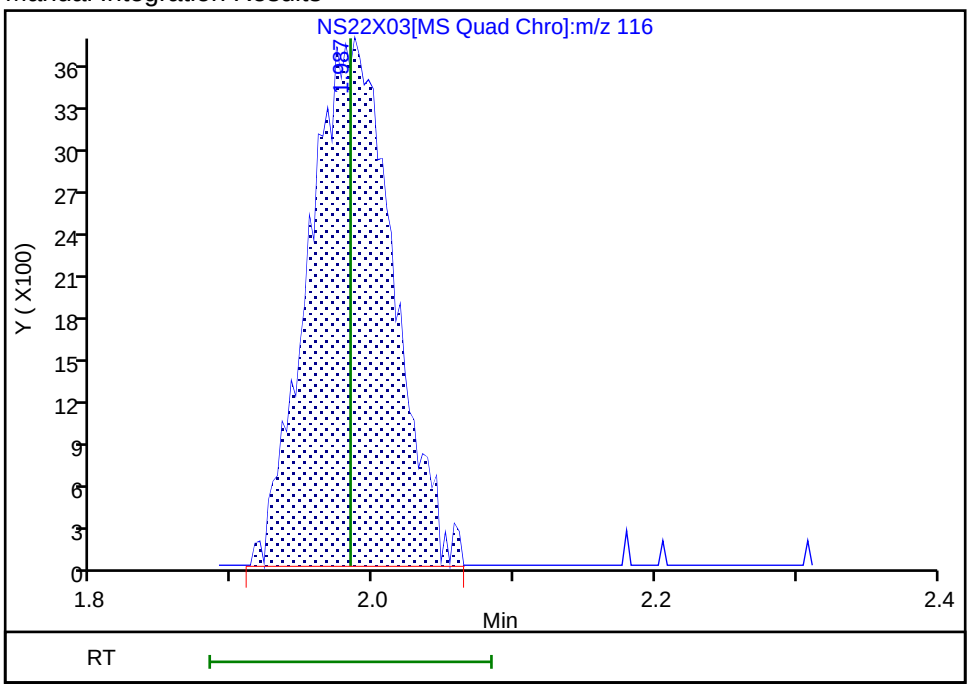
Processing Integration Results

RT: 1.97
Area: 5133
Amount: 3.090608
Amount Units: ug/l



Manual Integration Results

RT: 1.99
Area: 15549
Amount: 2.811077
Amount Units: ug/l



Reviewer: JS6E, 22-Sep-2025 18:28:04 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

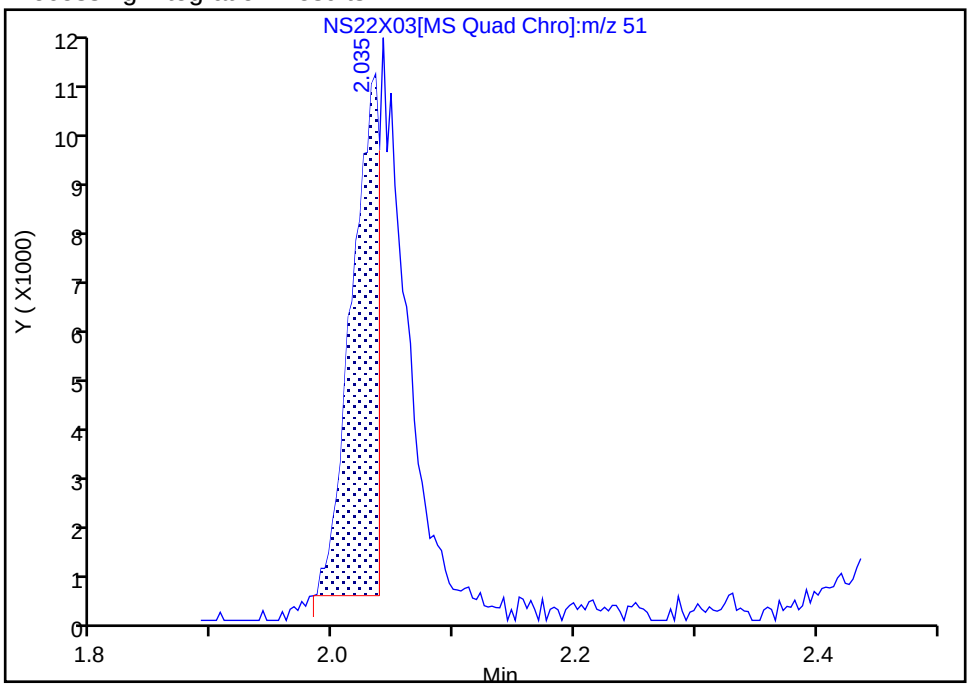
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X03.D				
Injection Date:	22-Sep-2025 15:13:33	Instrument ID:	7159		
Lims ID:	IC sm v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

3 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

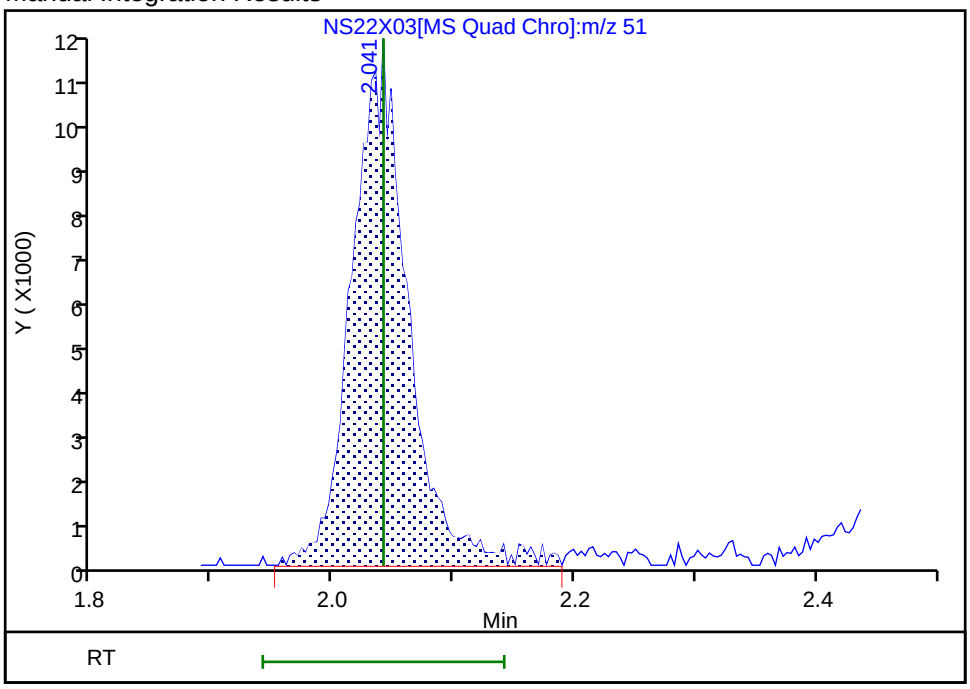
Processing Integration Results

RT: 2.03
Area: 15669
Amount: 1.697646
Amount Units: ug/l



Manual Integration Results

RT: 2.04
Area: 35168
Amount: 3.501987
Amount Units: ug/l



Reviewer: JS6E, 22-Sep-2025 18:28:11 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

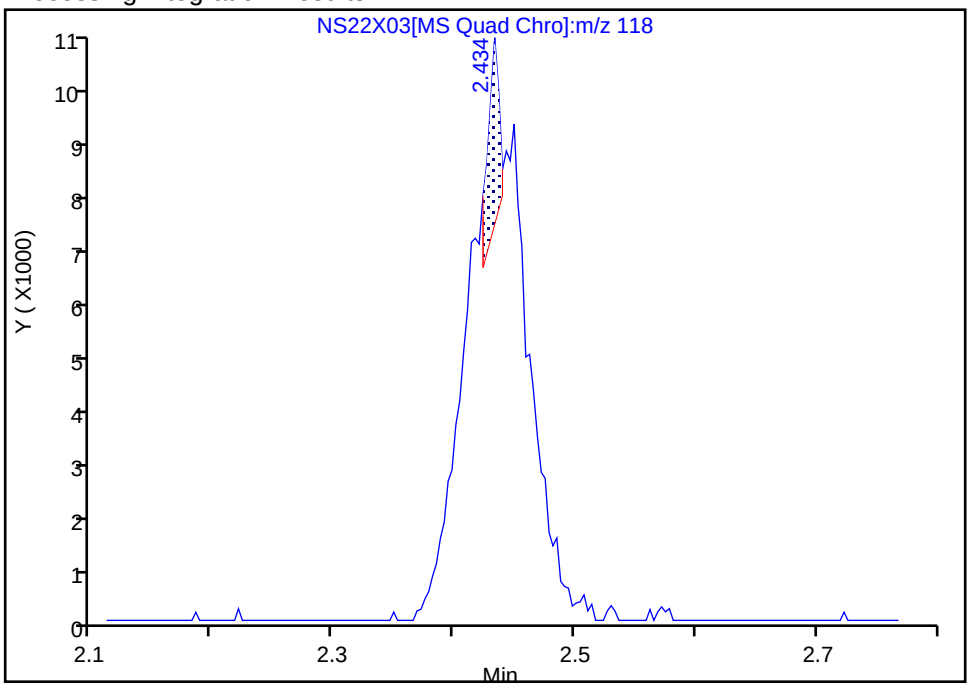
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X03.D
Injection Date: 22-Sep-2025 15:13:33 Instrument ID: 7159
Lims ID: IC sm v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

7 2-Chloro-1,1,1-Trifluoroethane, CAS: 75-88-7

Signal: 1

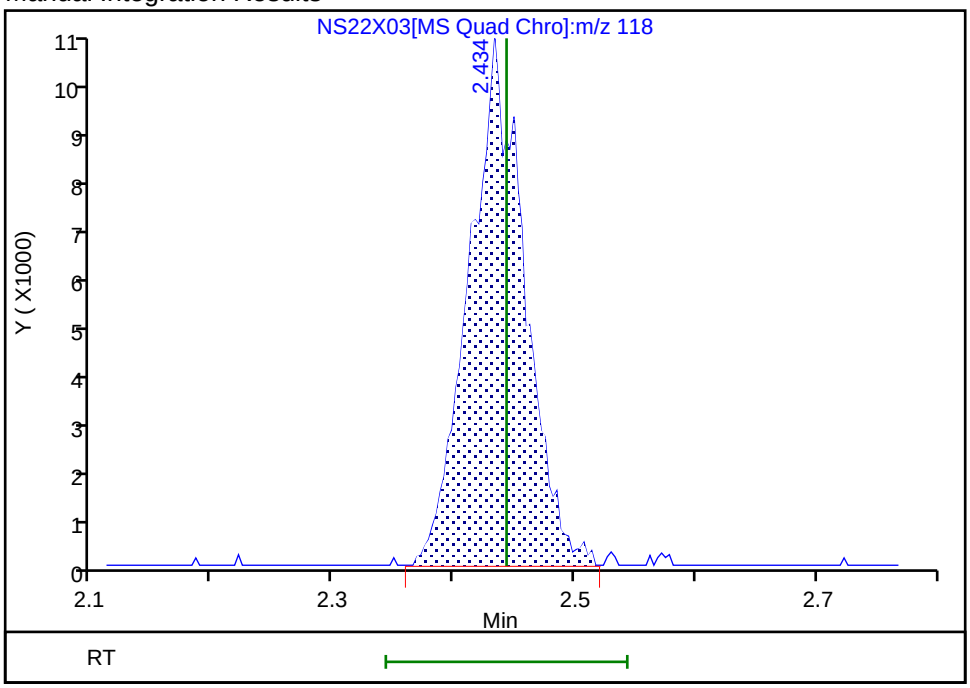
Processing Integration Results

RT: 2.43
Area: 2278
Amount: 2.514073
Amount Units: ug/l



Manual Integration Results

RT: 2.43
Area: 34492
Amount: 3.484962
Amount Units: ug/l



Reviewer: JS6E, 22-Sep-2025 18:28:18 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

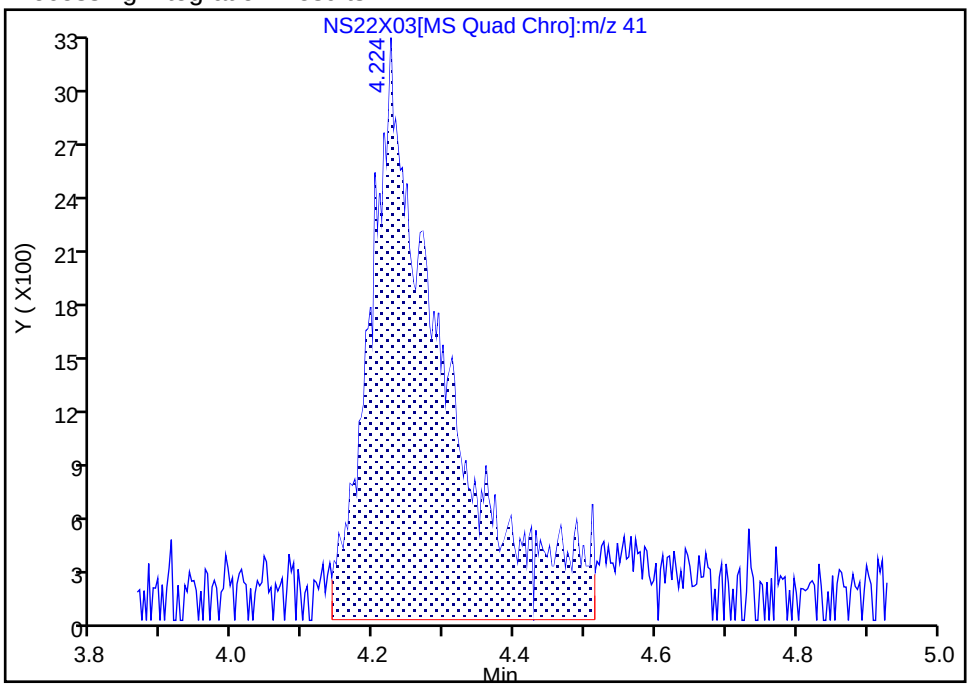
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X03.D				
Injection Date:	22-Sep-2025 15:13:33	Instrument ID:	7159		
Lims ID:	IC sm v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

23 Acetonitrile, CAS: 75-05-8

Signal: 1

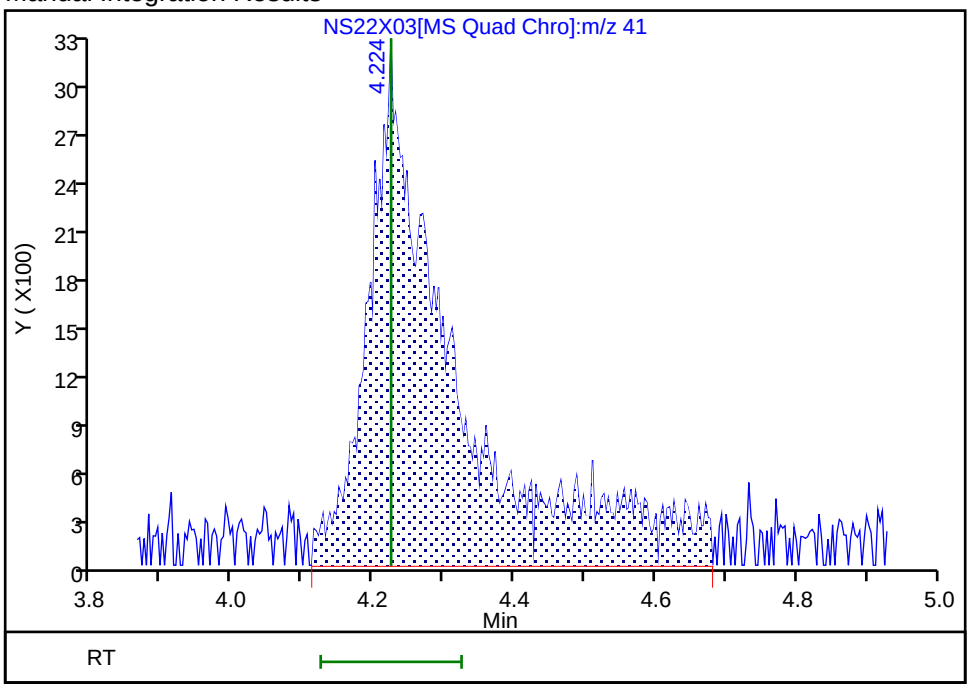
Processing Integration Results

RT: 4.22
Area: 23110
Amount: 22.322834
Amount Units: ug/l



Manual Integration Results

RT: 4.22
Area: 26520
Amount: 24.932322
Amount Units: ug/l



Reviewer: JS6E, 22-Sep-2025 18:28:35 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X04.D
Lims ID: IC sm v10
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Sep-2025 15:33:20 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0160533-004
Misc. Info.: IC SM V10
Operator ID: kas02648 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub36

Method: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 23-Sep-2025 09:35:16 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: JS6E Date: 22-Sep-2025 18:27:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.974	1.984	-0.010	88	51206	10.0	9.13	M
3 Chlorodifluoromethane	51	2.032	2.041	-0.009	97	107919	10.0	10.4	M
7 2-Chloro-1,1,1-Trifluoroethane	118	2.431	2.443	-0.012	71	103575	10.0	10.3	M
14 Ethyl ether	59	3.418	3.414	0.004	88	34773	10.0	9.83	
23 Acetonitrile	41	4.231	4.225	0.006	91	56120	50.0	51.2	M
* 27 t-Butyl alcohol-d10 (IS)	65	4.534	4.533	0.001	1	300512	250.0	250.0	
34 Vinyl acetate	43	5.591	5.588	0.003	96	89637	10.0	9.94	
42 Ethyl acetate	43	6.456	6.459	-0.003	99	51059	10.0	9.38	
58 Isopropyl acetate	43	7.681	7.681	0.000	98	98420	10.0	9.29	
* 62 Fluorobenzene (IS)	96	7.993	7.996	-0.003	99	1074939	50.0	50.0	
73 n-Propyl acetate	61	8.964	8.958	0.006	97	22053	10.0	8.93	
125 3,4-Dichloro-1-butene	75	10.659	10.659	0.000	92	54160	10.0	9.38	
127 n-Butyl acetate	43	10.781	10.778	0.003	98	76910	10.0	9.21	
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.353	0.000	83	844832	50.0	50.0	
142 cis-1,4-Dichloro-2-butene	88	12.231	12.231	0.000	0	27563	10.0	9.17	
153 2,3,4-Trichlorobutene	109	12.688	12.691	-0.003	0	61309	10.0	9.14	
156 Pentachloroethane	167	12.910	12.906	0.004	88	52172	10.0	12.5	
* 160 1,4-Dichlorobenzene-d4	152	13.189	13.189	0.000	93	509231	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00054	Amount Added:	2.00	Units: uL
MSV_CCV_LKB_00014	Amount Added:	2.00	Units: uL
MSV_V_SMFreon_00052	Amount Added:	1.00	Units: uL
MSV_Cent_ISO_00012	Amount Added:	5.00	Units: uL
MSV_CCV_Penta_00072	Amount Added:	2.00	Units: uL
MSV_CCV_EE_00009	Amount Added:	2.00	Units: uL

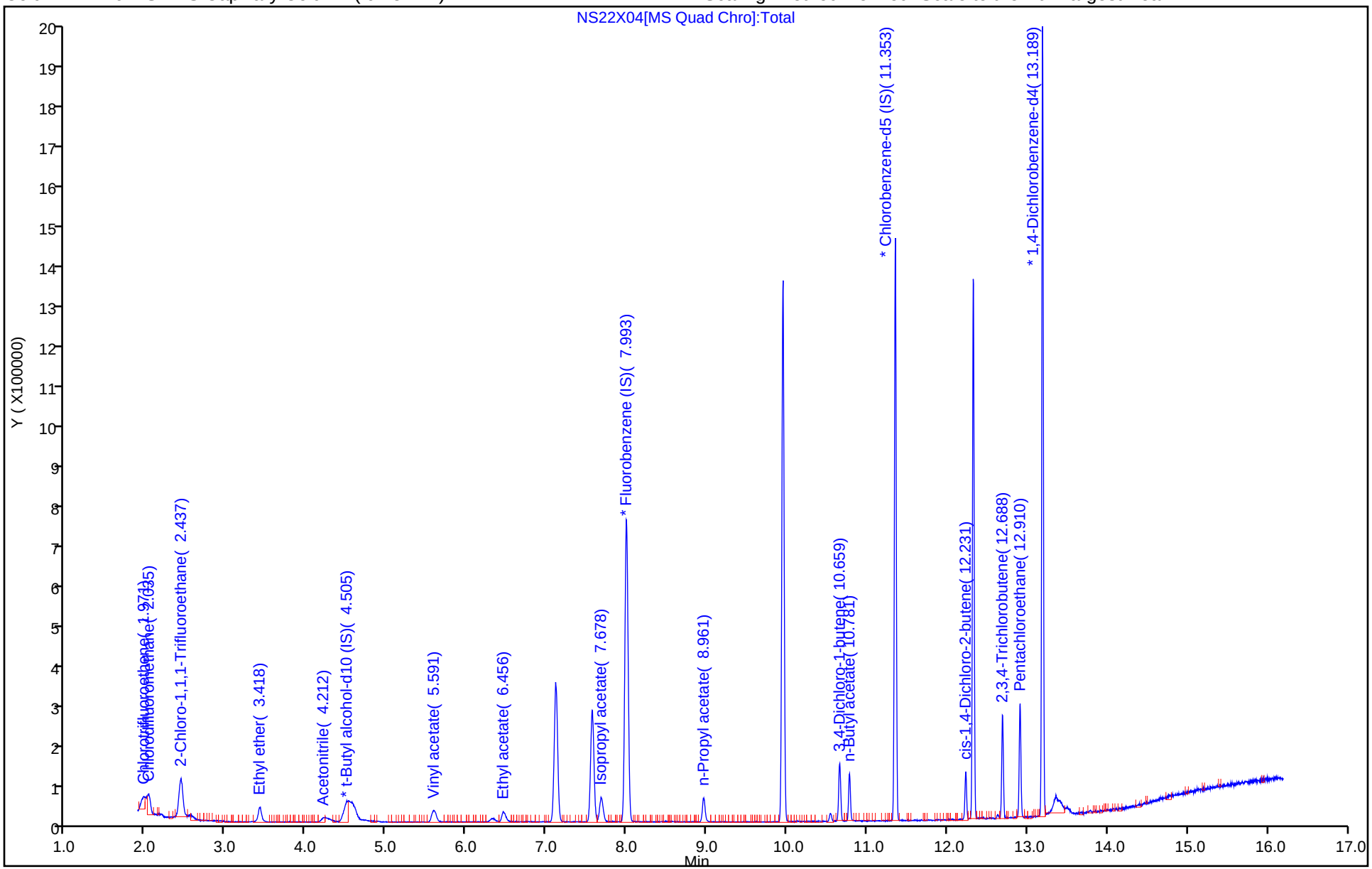
Report Date: 23-Sep-2025 09:35:16 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X04.D

Injection Date:	22-Sep-2025 15:33:20	Instrument ID:	7159	Operator ID:	kas02648
Lims ID:	IC sm v10			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

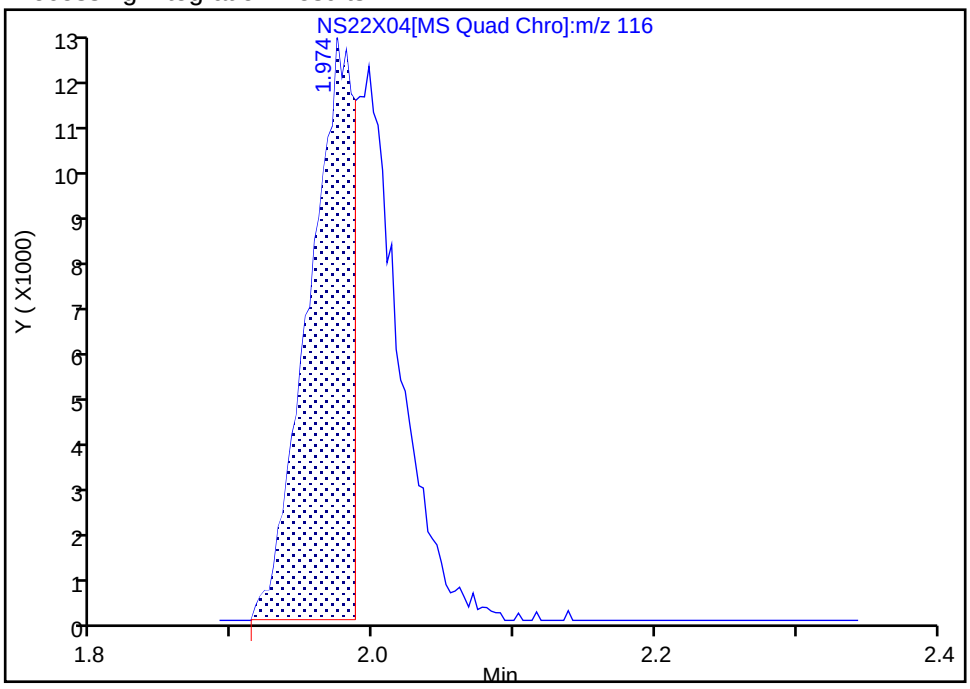
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X04.D				
Injection Date:	22-Sep-2025 15:33:20	Instrument ID:	7159		
Lims ID:	IC sm v10				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

1 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

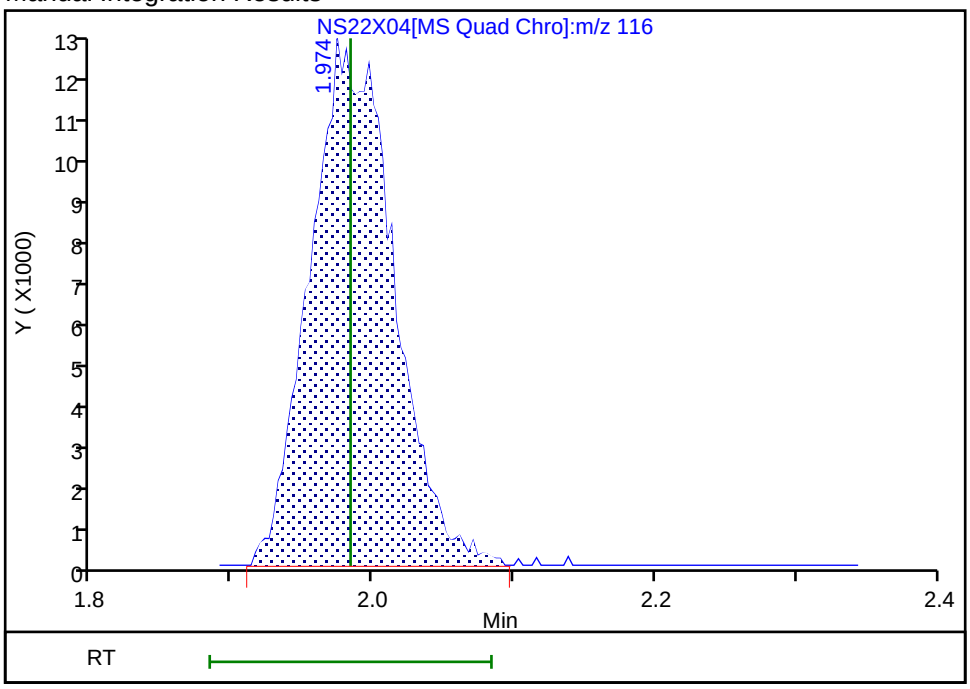
Processing Integration Results

RT: 1.97
Area: 27689
Amount: 7.639361
Amount Units: ug/l



Manual Integration Results

RT: 1.97
Area: 51206
Amount: 9.133645
Amount Units: ug/l



Reviewer: JS6E, 22-Sep-2025 18:27:04 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

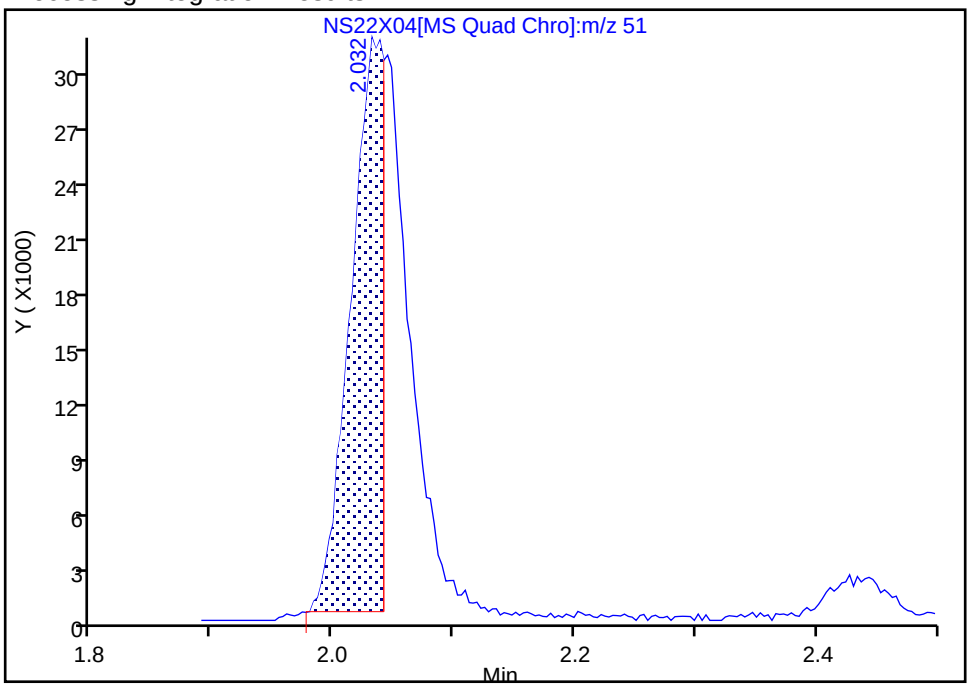
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X04.D
Injection Date: 22-Sep-2025 15:33:20 Instrument ID: 7159
Lims ID: IC sm v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

3 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

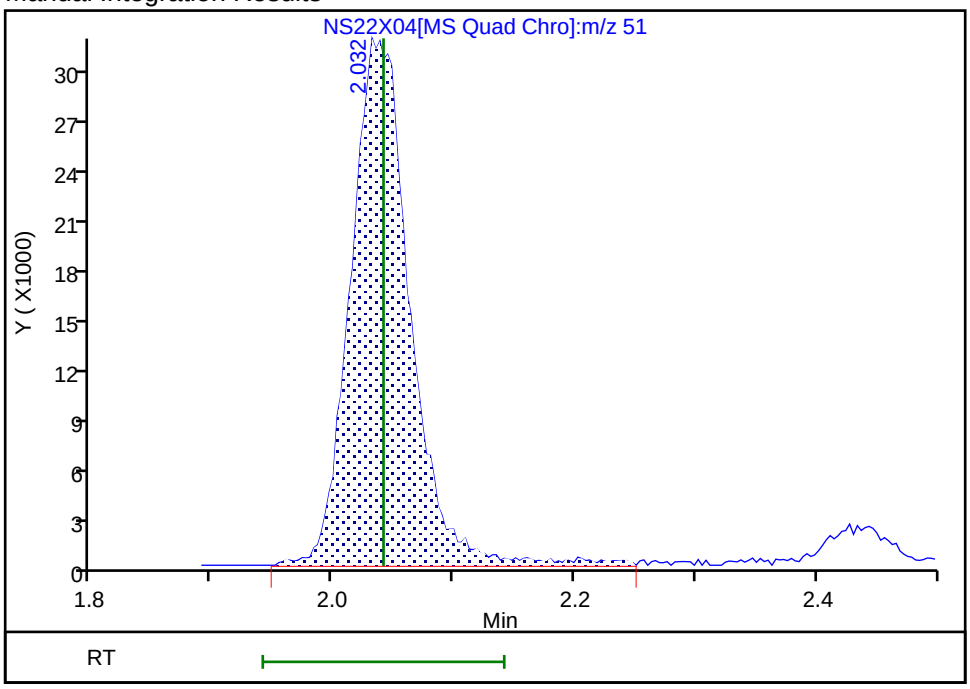
Processing Integration Results

RT: 2.03
Area: 58468
Amount: 6.736359
Amount Units: ug/l



Manual Integration Results

RT: 2.03
Area: 107919
Amount: 10.436829
Amount Units: ug/l



Reviewer: JS6E, 22-Sep-2025 18:27:10 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

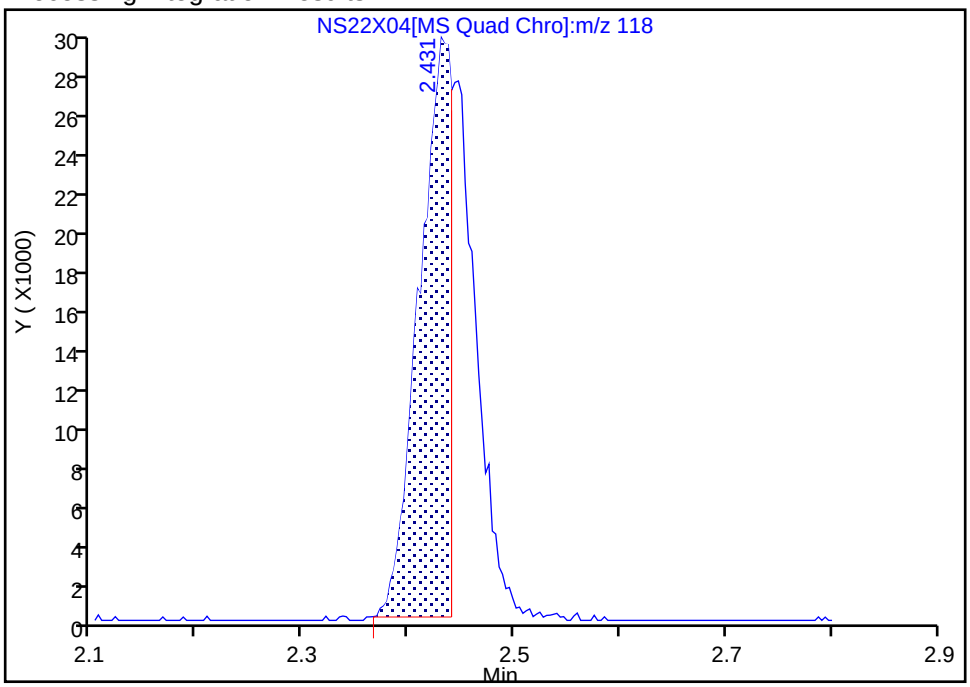
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X04.D
Injection Date: 22-Sep-2025 15:33:20 Instrument ID: 7159
Lims ID: IC sm v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

7 2-Chloro-1,1,1-Trifluoroethane, CAS: 75-88-7

Signal: 1

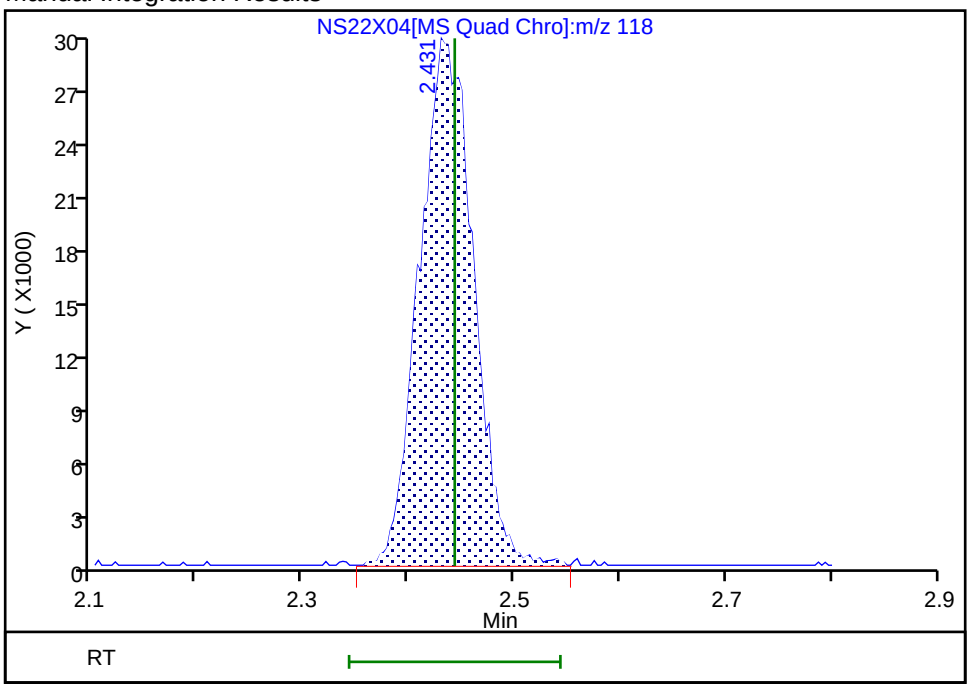
Processing Integration Results

RT: 2.43
Area: 60797
Amount: 9.341301
Amount Units: ug/l



Manual Integration Results

RT: 2.43
Area: 103575
Amount: 10.324942
Amount Units: ug/l



Reviewer: JS6E, 22-Sep-2025 18:27:23 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

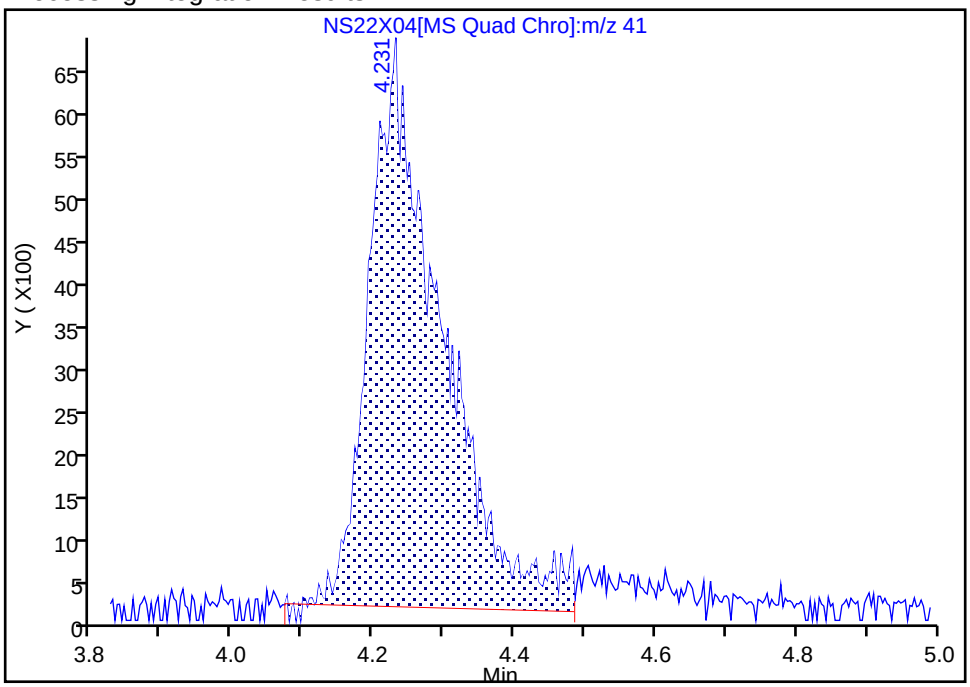
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X04.D				
Injection Date:	22-Sep-2025 15:33:20	Instrument ID:	7159		
Lims ID:	IC sm v10				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

23 Acetonitrile, CAS: 75-05-8

Signal: 1

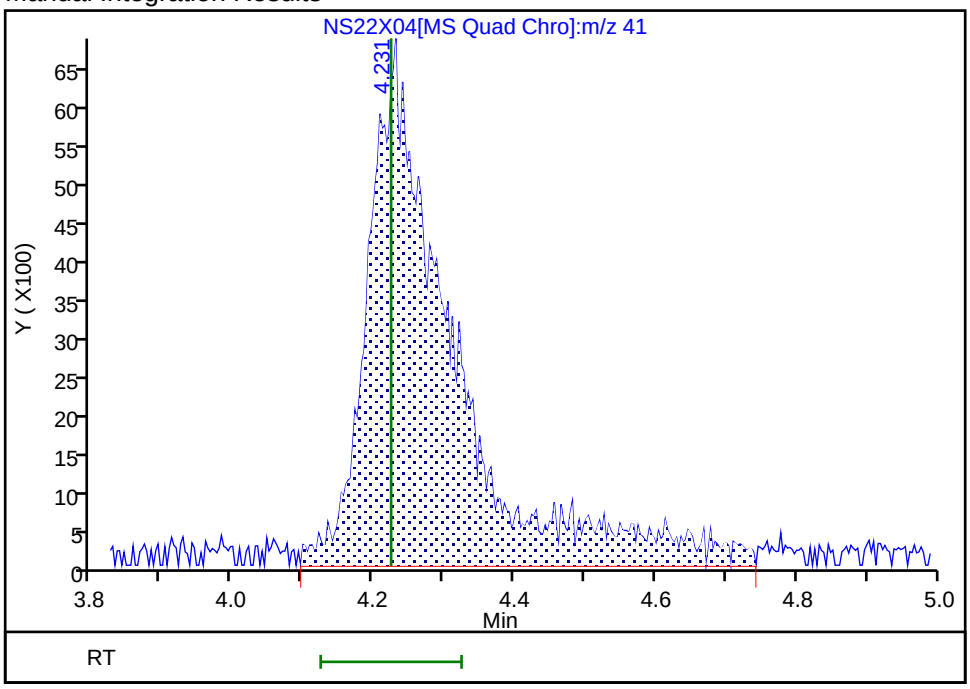
Processing Integration Results

RT: 4.23
Area: 47207
Amount: 45.554974
Amount Units: ug/l



Manual Integration Results

RT: 4.23
Area: 56120
Amount: 51.240187
Amount Units: ug/l



Reviewer: JS6E, 22-Sep-2025 18:27:39 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X05.D
Lims ID: IC sm v20
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Sep-2025 15:53:09 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0160533-005
Misc. Info.: IC SM V20
Operator ID: kas02648 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub36

Method: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 23-Sep-2025 09:35:18 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: JS6E Date: 22-Sep-2025 18:25:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.990	1.984	0.006	90	113092	20.0	20.4	M
3 Chlorodifluoromethane	51	2.042	2.041	0.001	96	205389	20.0	20.2	
7 2-Chloro-1,1,1-Trifluoroethane	118	2.440	2.443	-0.003	34	203070	20.0	20.5	
14 Ethyl ether	59	3.427	3.414	0.013	91	71032	20.0	20.3	
23 Acetonitrile	41	4.228	4.225	0.003	99	106093	100.0	98.7	M
* 27 t-Butyl alcohol-d10 (IS)	65	4.533	4.533	0.000	25	294951	250.0	250.0	M
34 Vinyl acetate	43	5.594	5.588	0.006	97	189257	20.0	21.2	
42 Ethyl acetate	43	6.466	6.459	0.007	99	111854	20.0	20.8	
58 Isopropyl acetate	43	7.684	7.681	0.003	98	217904	20.0	20.8	
* 62 Fluorobenzene (IS)	96	7.996	7.996	0.000	99	1063434	50.0	50.0	
73 n-Propyl acetate	61	8.958	8.958	0.000	97	50718	20.0	20.8	
125 3,4-Dichloro-1-butene	75	10.662	10.659	0.003	90	110971	20.0	19.2	
127 n-Butyl acetate	43	10.781	10.778	0.003	98	171279	20.0	20.5	
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.353	0.000	87	845894	50.0	50.0	
142 cis-1,4-Dichloro-2-butene	88	12.231	12.231	0.000	0	58725	20.0	19.5	
153 2,3,4-Trichlorobutene	109	12.688	12.691	-0.003	0	129191	20.0	19.7	
156 Pentachloroethane	167	12.909	12.906	0.003	89	91741	20.0	22.5	
* 160 1,4-Dichlorobenzene-d4	152	13.189	13.189	0.000	93	497559	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00054	Amount Added:	4.00	Units: uL
MSV_CCV_LKB_00014	Amount Added:	4.00	Units: uL
MSV_V_SMFreon_00052	Amount Added:	2.00	Units: uL
MSV_Cent_ISO_00012	Amount Added:	5.00	Units: uL
MSV_CCV_Penta_00072	Amount Added:	4.00	Units: uL
MSV_CCV_EE_00009	Amount Added:	4.00	Units: uL

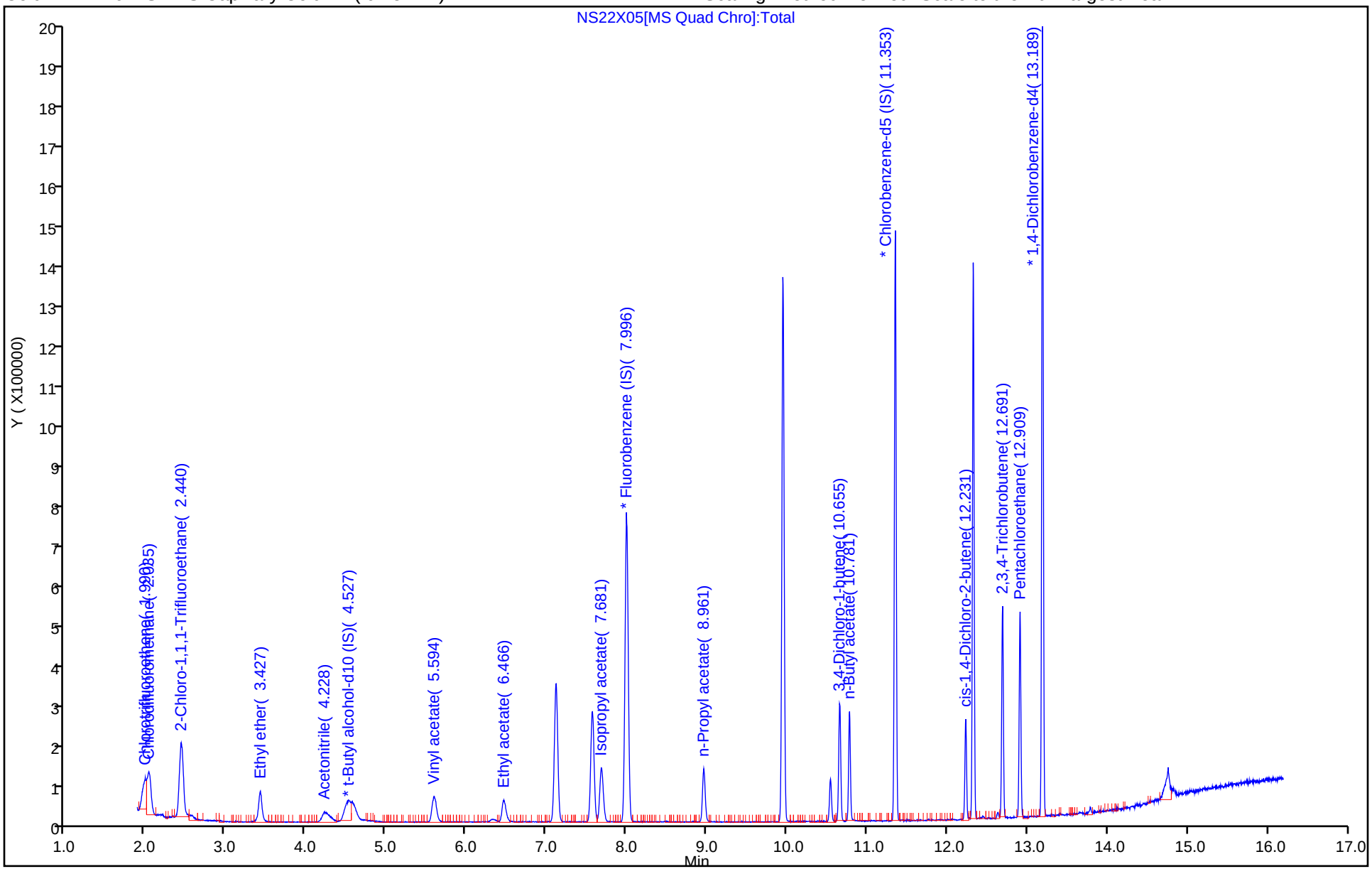
Report Date: 23-Sep-2025 09:35:19 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X05.D

Injection Date:	22-Sep-2025 15:53:09	Instrument ID:	7159	Operator ID:	kas02648
Lims ID:	IC sm v20			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

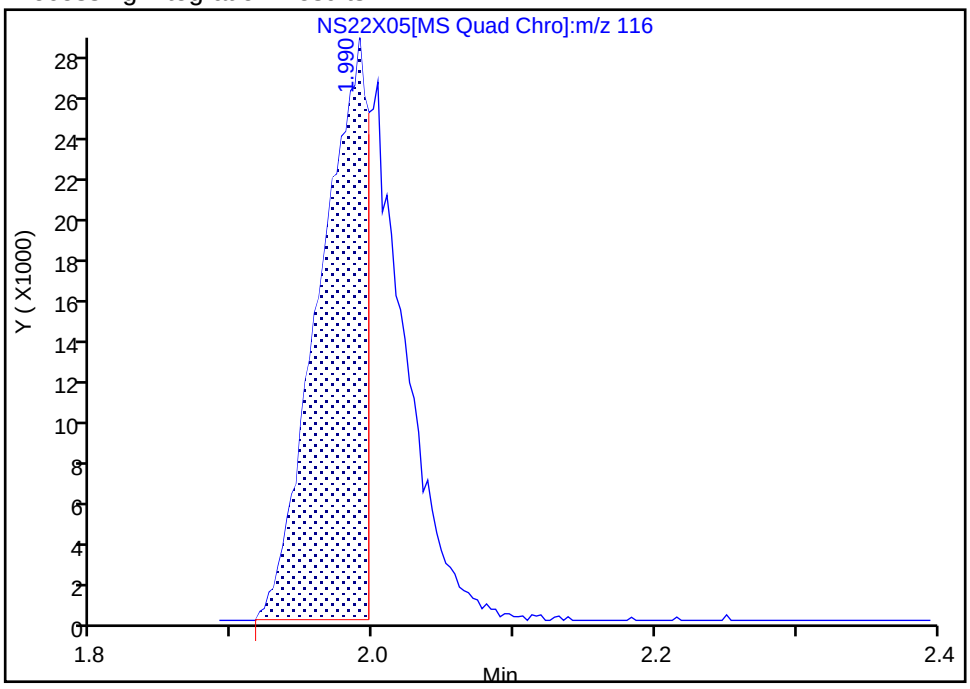
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X05.D				
Injection Date:	22-Sep-2025 15:53:09	Instrument ID:	7159		
Lims ID:	IC sm v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

1 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

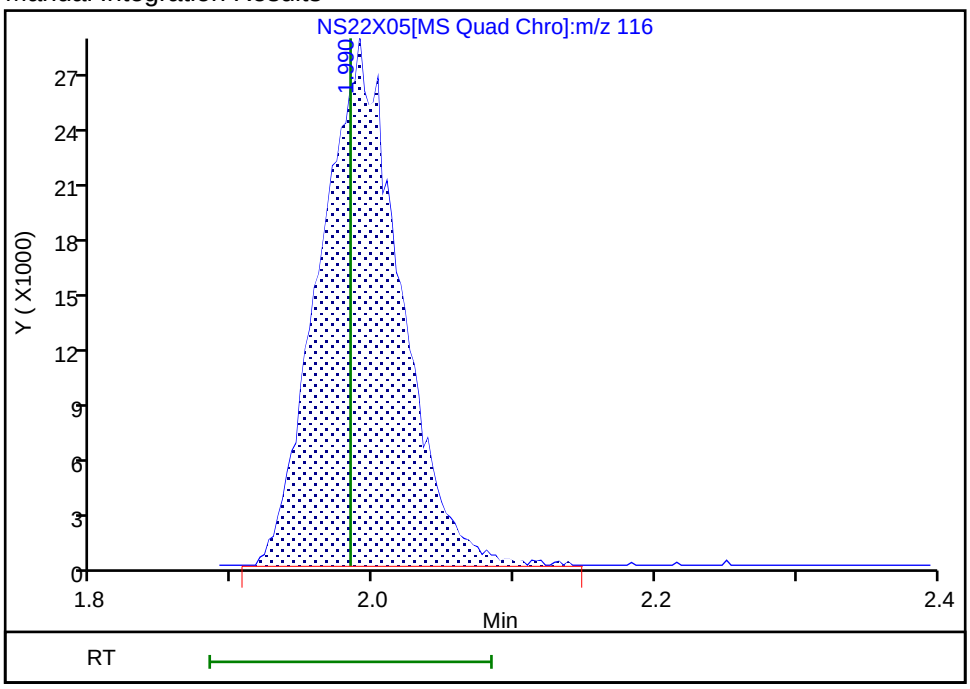
Processing Integration Results

RT: 1.99
Area: 68067
Amount: 15.137271
Amount Units: ug/l



Manual Integration Results

RT: 1.99
Area: 113092
Amount: 20.390527
Amount Units: ug/l



Reviewer: JS6E, 22-Sep-2025 18:25:06 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

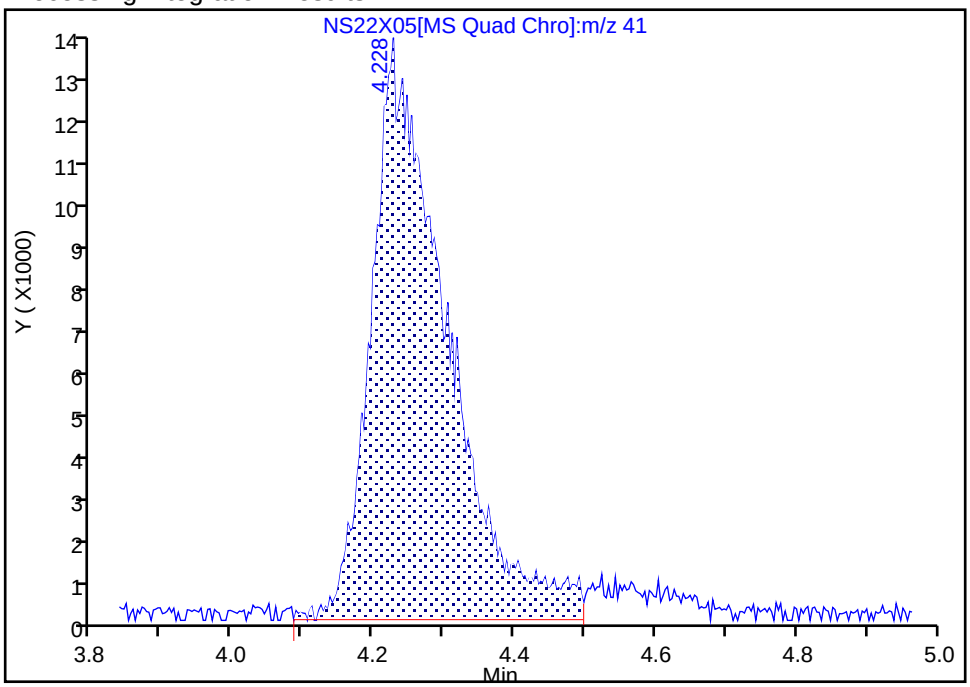
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X05.D
Injection Date: 22-Sep-2025 15:53:09 Instrument ID: 7159
Lims ID: IC sm v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

23 Acetonitrile, CAS: 75-05-8

Signal: 1

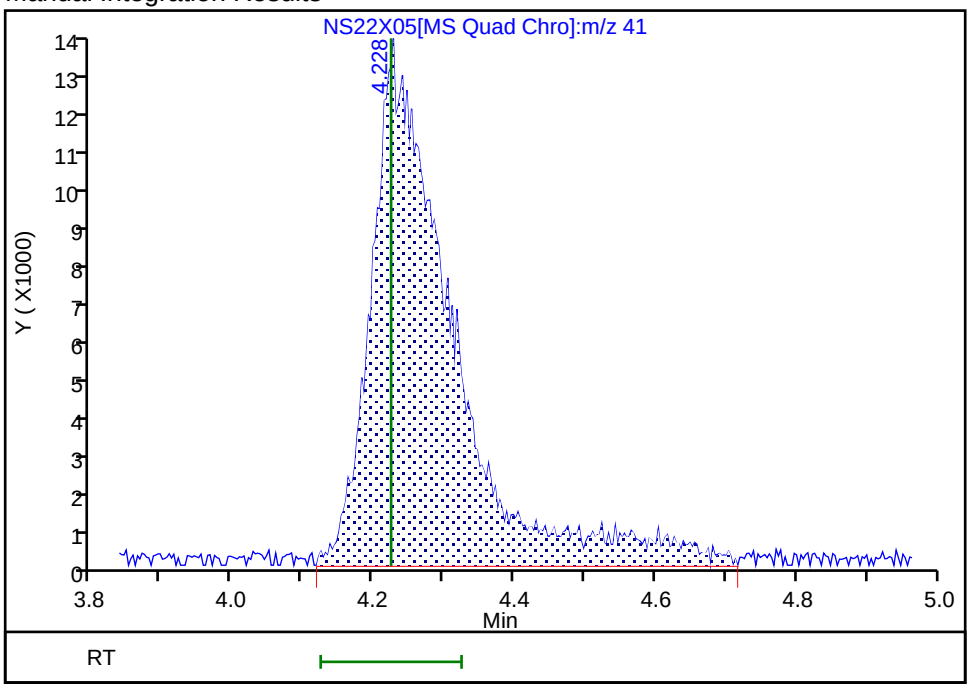
Processing Integration Results

RT: 4.23
Area: 99213
Amount: 98.658381
Amount Units: ug/l



Manual Integration Results

RT: 4.23
Area: 106093
Amount: 98.694220
Amount Units: ug/l



Reviewer: JS6E, 22-Sep-2025 18:25:52 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

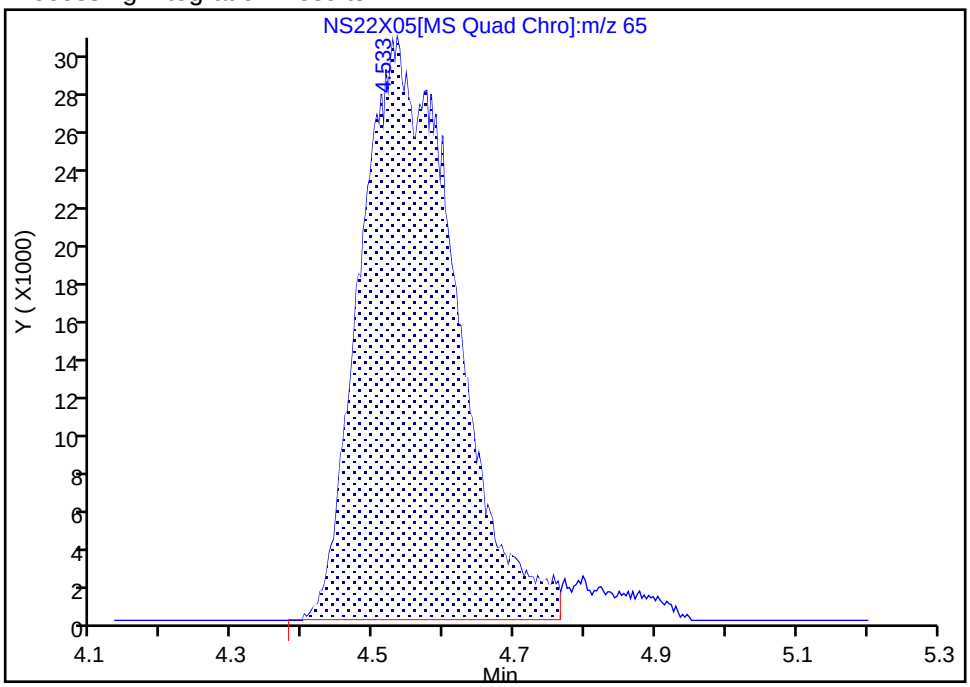
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X05.D				
Injection Date:	22-Sep-2025 15:53:09	Instrument ID:	7159		
Lims ID:	IC sm v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 27 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

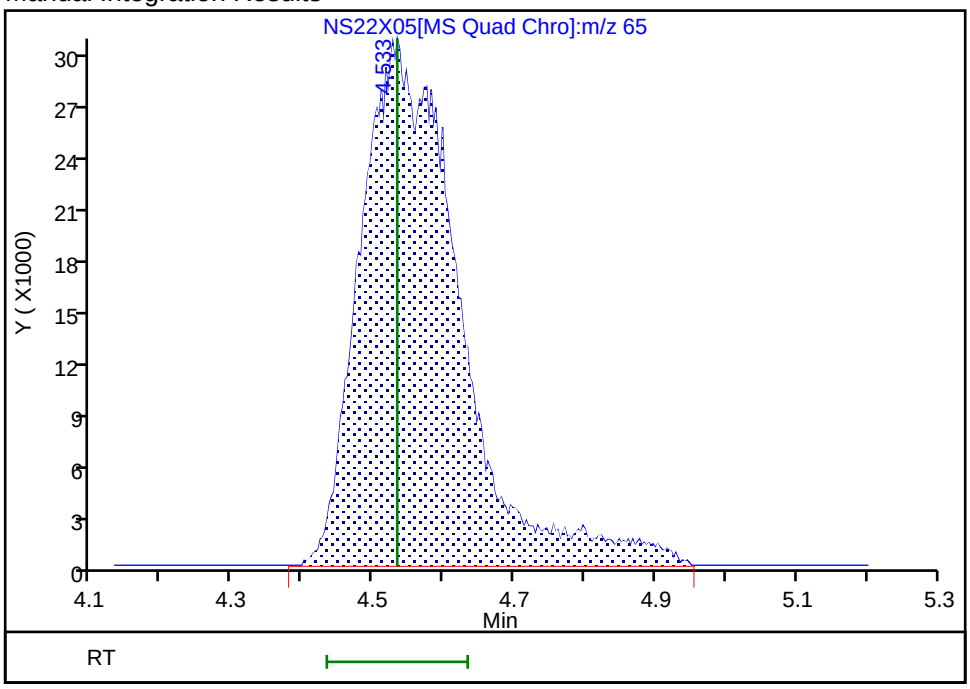
Processing Integration Results

RT: 4.53
Area: 280931
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.53
Area: 294951
Amount: 250.0000
Amount Units: ug/l



Reviewer: JS6E, 22-Sep-2025 18:25:23 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X06.D
Lims ID: IC sm v50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 22-Sep-2025 16:12:58 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0160533-006
Misc. Info.: IC SM V50
Operator ID: kas02648 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub36

Method: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 23-Sep-2025 09:35:21 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: JS6E Date: 22-Sep-2025 17:27:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.984	1.984	0.000	89	307481	50.0	55.2	
3 Chlorodifluoromethane	51	2.041	2.041	0.000	96	510335	50.0	50.5	
7 2-Chloro-1,1,1-Trifluoroethane	118	2.443	2.443	0.000	34	501965	50.0	50.3	M
14 Ethyl ether	59	3.414	3.414	0.000	89	176677	50.0	50.3	
23 Acetonitrile	41	4.225	4.225	0.000	99	254025	250.0	237.5	M
* 27 t-Butyl alcohol-d10 (IS)	65	4.530	4.530	0.000	1	293441	250.0	250.0	M
34 Vinyl acetate	43	5.588	5.588	0.000	97	408478	50.0	45.6	
42 Ethyl acetate	43	6.459	6.459	0.000	99	274994	50.0	50.8	
58 Isopropyl acetate	43	7.681	7.681	0.000	98	536275	50.0	50.9	
* 62 Fluorobenzene (IS)	96	7.999	7.999	0.000	99	1068508	50.0	50.0	
73 n-Propyl acetate	61	8.958	8.958	0.000	98	125584	50.0	51.2	
125 3,4-Dichloro-1-butene	75	10.659	10.659	0.000	91	297636	50.0	50.6	
127 n-Butyl acetate	43	10.778	10.778	0.000	98	431388	50.0	50.7	
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.353	0.000	83	859903	50.0	50.0	
142 cis-1,4-Dichloro-2-butene	88	12.231	12.231	0.000	0	157666	50.0	51.5	
153 2,3,4-Trichlorobutene	109	12.691	12.691	0.000	0	345414	50.0	51.5	
156 Pentachloroethane	167	12.906	12.906	0.000	90	122466	50.0	29.4	
* 160 1,4-Dichlorobenzene-d4	152	13.189	13.189	0.000	93	509034	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00054	Amount Added:	5.00	Units: uL
MSV_CCV_LKB_00014	Amount Added:	5.00	Units: uL
MSV_V_SMFreon_00052	Amount Added:	2.50	Units: uL
MSV_Cent_ISO_00012	Amount Added:	5.00	Units: uL
MSV_CCV_Penta_00072	Amount Added:	5.00	Units: uL
MSV_CCV_EE_00009	Amount Added:	5.00	Units: uL

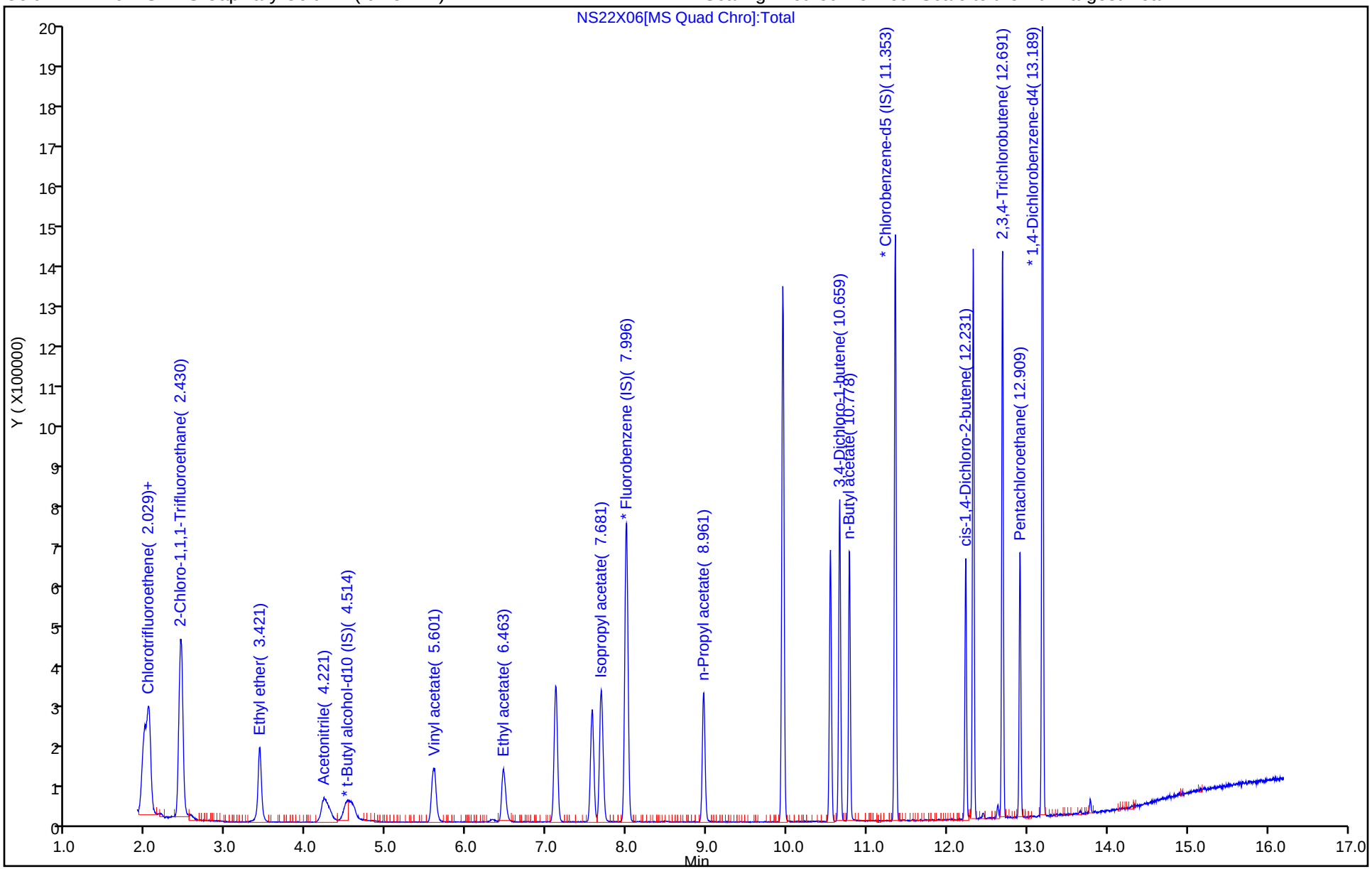
Report Date: 23-Sep-2025 09:35:22 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X06.D

Injection Date:	22-Sep-2025 16:12:58	Instrument ID:	7159	Operator ID:	kas02648
Lims ID:	IC sm v50			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

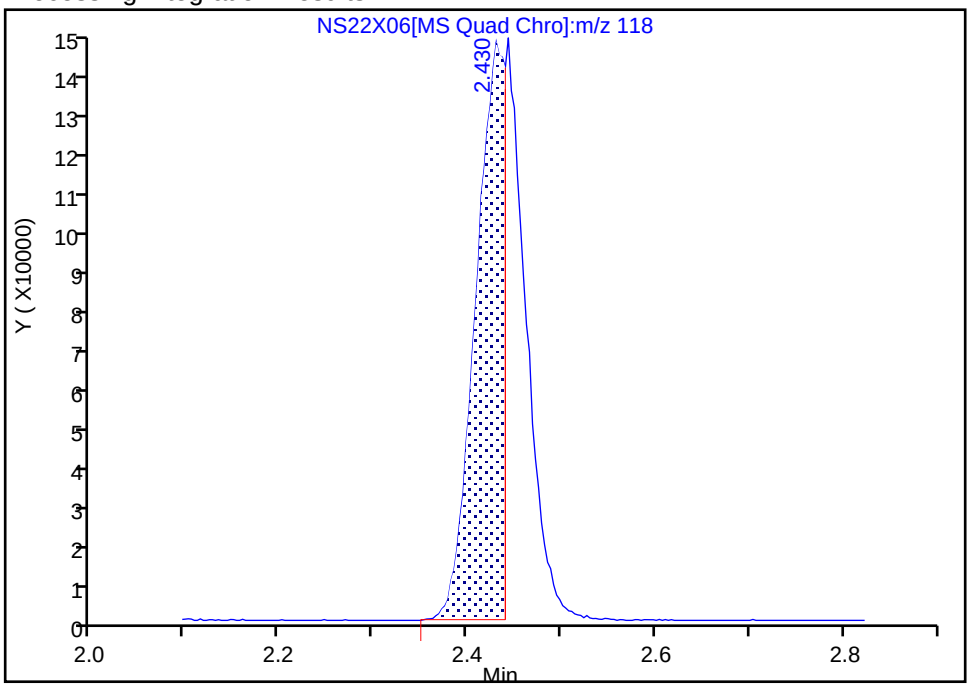
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X06.D
Injection Date: 22-Sep-2025 16:12:58 Instrument ID: 7159
Lims ID: IC sm v50
Client ID:
Operator ID: kas02648 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

7 2-Chloro-1,1,1-Trifluoroethane, CAS: 75-88-7

Signal: 1

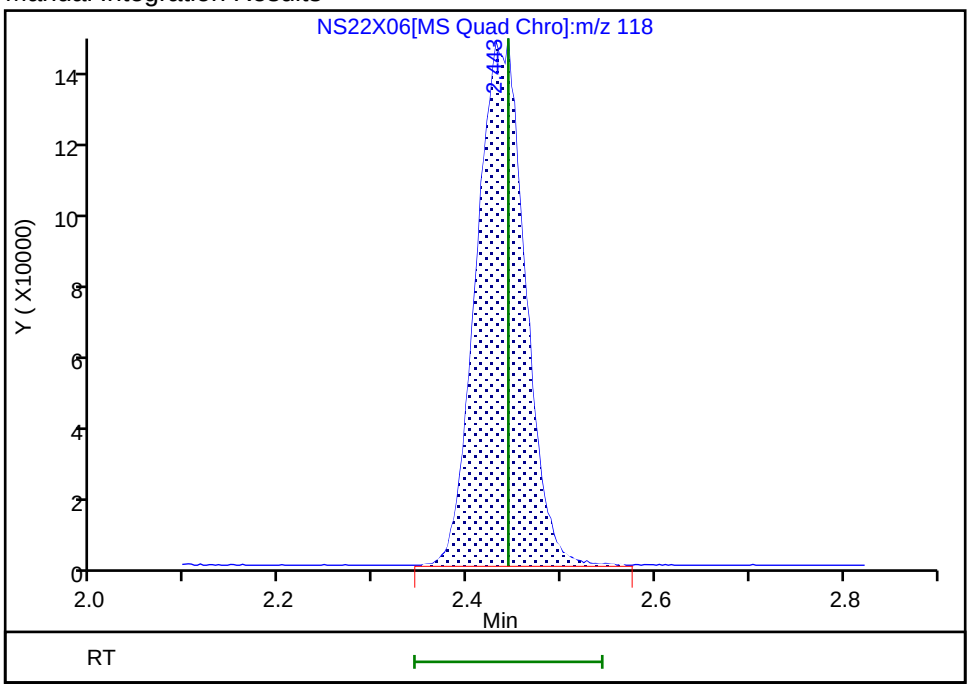
Processing Integration Results

RT: 2.43
Area: 301073
Amount: 41.579654
Amount Units: ug/l



Manual Integration Results

RT: 2.44
Area: 501965
Amount: 50.339877
Amount Units: ug/l



Reviewer: JS6E, 22-Sep-2025 17:40:37 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

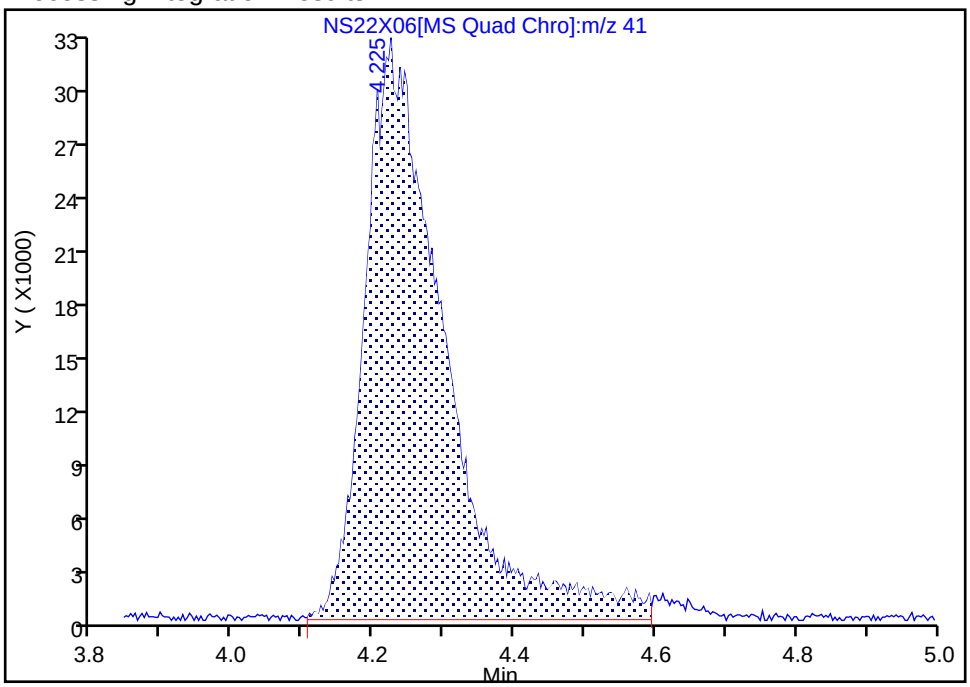
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X06.D				
Injection Date:	22-Sep-2025 16:12:58	Instrument ID:	7159		
Lims ID:	IC sm v50				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

23 Acetonitrile, CAS: 75-05-8

Signal: 1

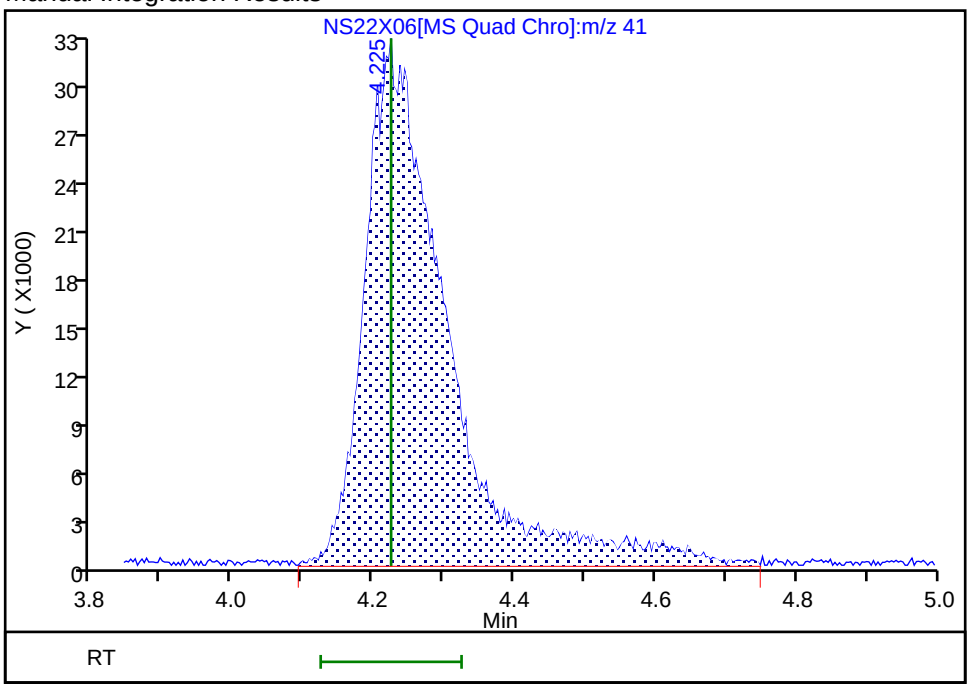
Processing Integration Results

RT: 4.22
Area: 248344
Amount: 247.1341
Amount Units: ug/l



Manual Integration Results

RT: 4.22
Area: 254025
Amount: 237.5257
Amount Units: ug/l



Reviewer: JS6E, 22-Sep-2025 17:41:12 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

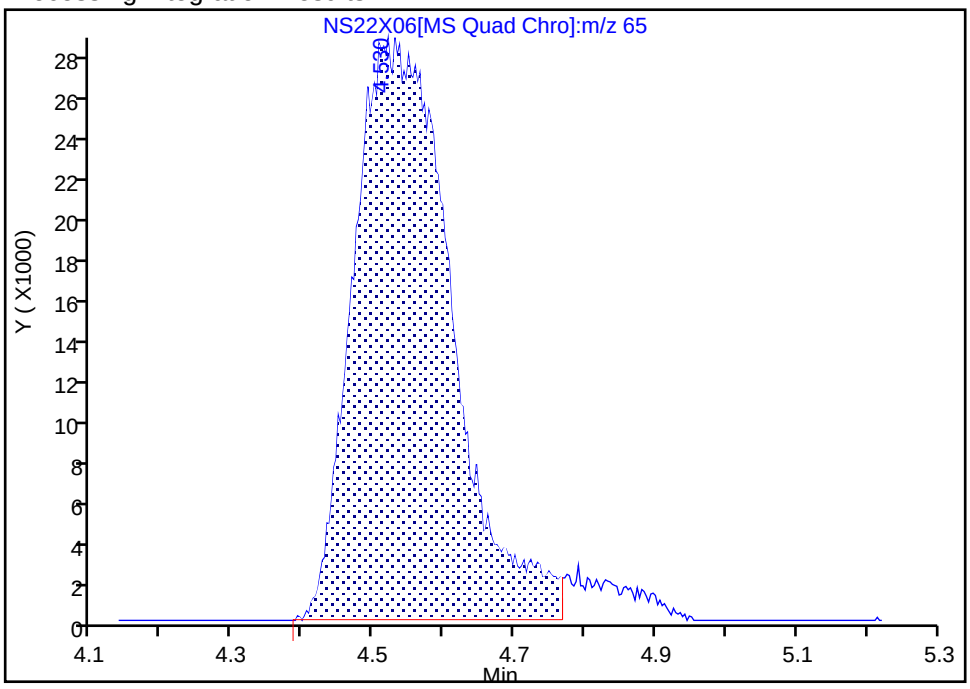
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X06.D
Injection Date: 22-Sep-2025 16:12:58 Instrument ID: 7159
Lims ID: IC sm v50
Client ID:
Operator ID: kas02648 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 27 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

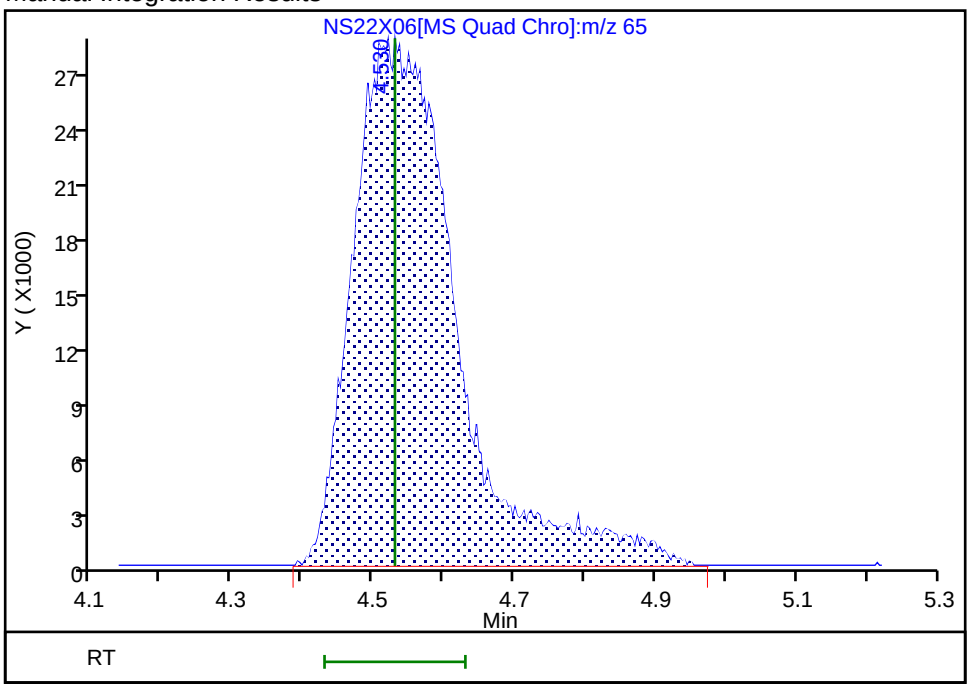
Processing Integration Results

RT: 4.53
Area: 278860
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.53
Area: 293441
Amount: 250.0000
Amount Units: ug/l



Reviewer: JS6E, 22-Sep-2025 17:40:55 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X07.D
Lims ID: IC sm v100
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 22-Sep-2025 16:32:51 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0160533-007
Misc. Info.: IC SM V100
Operator ID: kas02648 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub36

Method: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 23-Sep-2025 09:35:24 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: JS6E Date: 22-Sep-2025 16:58:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.990	1.984	0.006	89	680301	100.0	123.1	
3 Chlorodifluoromethane	51	2.041	2.041	0.000	96	1084450	100.0	106.1	
7 2-Chloro-1,1,1-Trifluoroethane	118	2.440	2.443	-0.003	37	1058550	100.0	107.1	
14 Ethyl ether	59	3.427	3.414	0.013	89	343977	100.0	98.7	
23 Acetonitrile	41	4.228	4.225	0.003	99	487783	500.0	450.5	
* 27 t-Butyl alcohol-d10 (IS)	65	4.530	4.530	0.000	1	297092	250.0	250.0	
34 Vinyl acetate	43	5.598	5.588	0.010	97	898865	100.0	101.2	
42 Ethyl acetate	43	6.459	6.459	0.000	98	532051	100.0	99.2	
58 Isopropyl acetate	43	7.681	7.681	0.000	98	1046620	100.0	100.3	
* 62 Fluorobenzene (IS)	96	7.996	7.999	-0.003	100	1059289	50.0	50.0	
73 n-Propyl acetate	61	8.958	8.958	0.000	97	246494	100.0	101.3	
125 3,4-Dichloro-1-butene	75	10.655	10.659	-0.004	91	586493	100.0	102.6	
127 n-Butyl acetate	43	10.777	10.778	-0.001	97	848959	100.0	102.7	
* 131 Chlorobenzene-d5 (IS)	117	11.350	11.353	-0.003	83	836323	50.0	50.0	
142 cis-1,4-Dichloro-2-butene	88	12.231	12.231	0.000	0	316193	100.0	106.3	
153 2,3,4-Trichlorobutene	109	12.691	12.691	0.000	0	693462	100.0	104.8	
156 Pentachloroethane	167	12.906	12.906	0.000	90	414276	100.0	100.9	
* 160 1,4-Dichlorobenzene-d4	152	13.189	13.189	0.000	93	501895	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00054	Amount Added:	5.00	Units: uL
MSV_CCV_LKB_00014	Amount Added:	5.00	Units: uL
MSV_V_SMFreon_00052	Amount Added:	2.50	Units: uL
MSV_Cent_ISO_00012	Amount Added:	5.00	Units: uL
MSV_CCV_Penta_00072	Amount Added:	5.00	Units: uL
MSV_CCV_EE_00009	Amount Added:	5.00	Units: uL

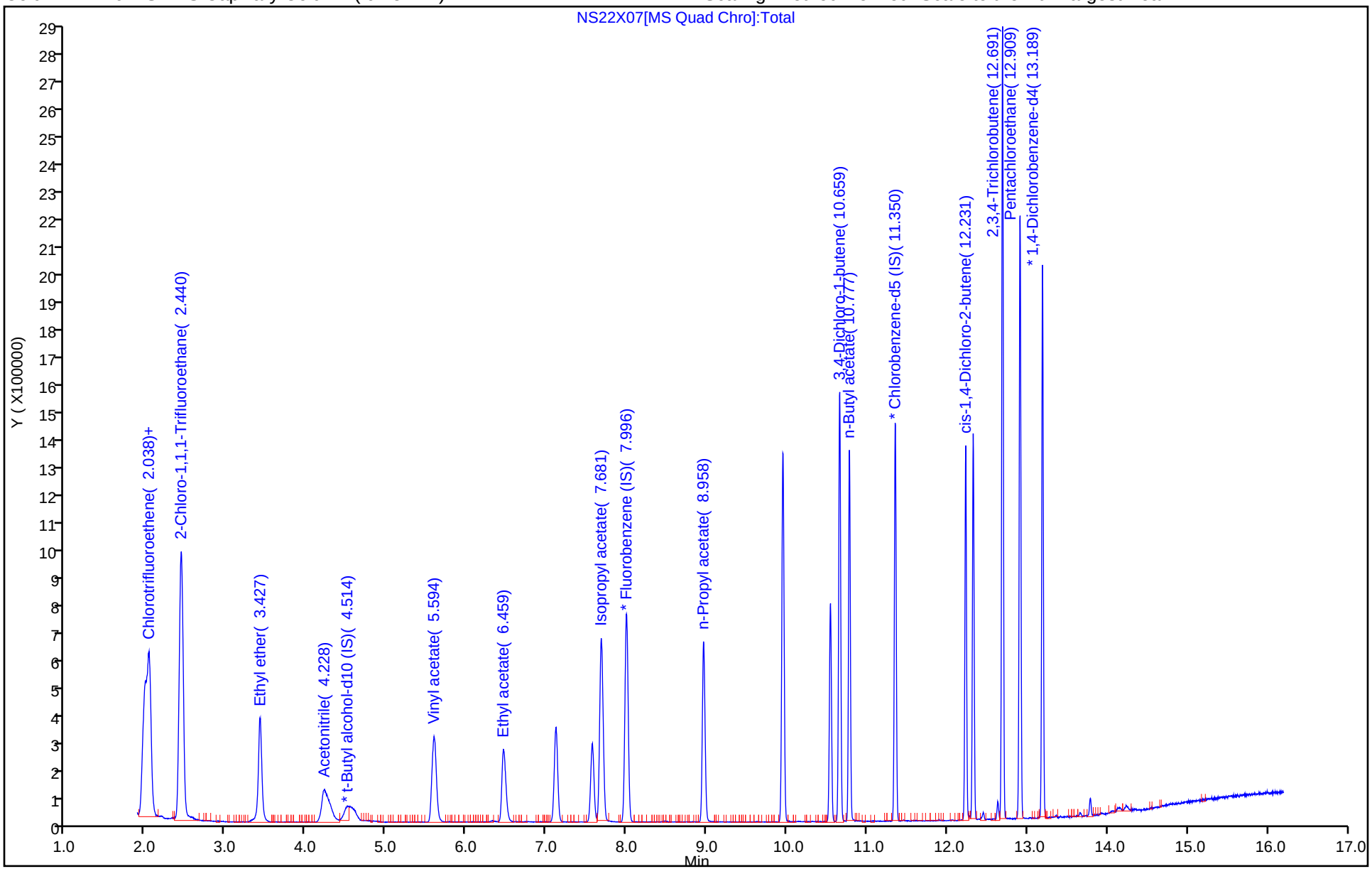
Report Date: 23-Sep-2025 09:35:24 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X07.D

Injection Date:	22-Sep-2025 16:32:51	Instrument ID:	7159	Operator ID:	kas02648
Lims ID:	IC sm v100			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X08.D
Lims ID: IC sm v300
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 22-Sep-2025 16:52:33 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0160533-008
Misc. Info.: IC SM V300
Operator ID: kas02648 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub36

Method: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 23-Sep-2025 09:35:26 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: JS6E Date: 22-Sep-2025 17:37:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.993	1.984	0.009	89	1585444	300.0	308.8	
3 Chlorodifluoromethane	51	2.045	2.041	0.004	96	2877561	300.0	299.2	
7 2-Chloro-1,1,1-Trifluoroethane	118	2.440	2.443	-0.003	96	2743478	300.0	298.7	
14 Ethyl ether	59	3.427	3.414	0.013	88	994011	300.1	306.9	
23 Acetonitrile	41	4.235	4.225	0.009	99	1360930	1500.0	1335.8	
* 27 t-Butyl alcohol-d10 (IS)	65	4.527	4.530	-0.003	26	279540	250.0	250.0	M
34 Vinyl acetate	43	5.601	5.588	0.013	97	2504495	300.0	303.4	
42 Ethyl acetate	43	6.466	6.459	0.007	99	1519226	300.0	304.8	
58 Isopropyl acetate	43	7.685	7.681	0.004	98	3036660	300.0	313.1	
* 62 Fluorobenzene (IS)	96	8.000	7.999	0.001	99	984317	50.0	50.0	
73 n-Propyl acetate	61	8.961	8.958	0.003	97	706340	300.0	312.5	
125 3,4-Dichloro-1-butene	75	10.662	10.659	0.003	91	1829648	300.1	337.6	
127 n-Butyl acetate	43	10.781	10.778	0.003	98	2474089	300.0	315.5	
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.353	0.000	83	793107	50.0	50.0	
142 cis-1,4-Dichloro-2-butene	88	12.231	12.231	0.000	0	954983	300.0	338.4	
153 2,3,4-Trichlorobutene	109	12.691	12.691	0.000	0	2121522	300.1	333.8	
156 Pentachloroethane	167	12.910	12.906	0.004	91	1117802	300.0	283.4	
* 160 1,4-Dichlorobenzene-d4	152	13.189	13.189	0.000	93	482240	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00054	Amount Added:	15.00	Units: uL
MSV_CCV_LKB_00014	Amount Added:	15.00	Units: uL
MSV_V_SMFreon_00052	Amount Added:	7.50	Units: uL
MSV_Cent_ISO_00012	Amount Added:	5.00	Units: uL
MSV_CCV_Penta_00072	Amount Added:	15.00	Units: uL
MSV_CCV_EE_00009	Amount Added:	15.00	Units: uL

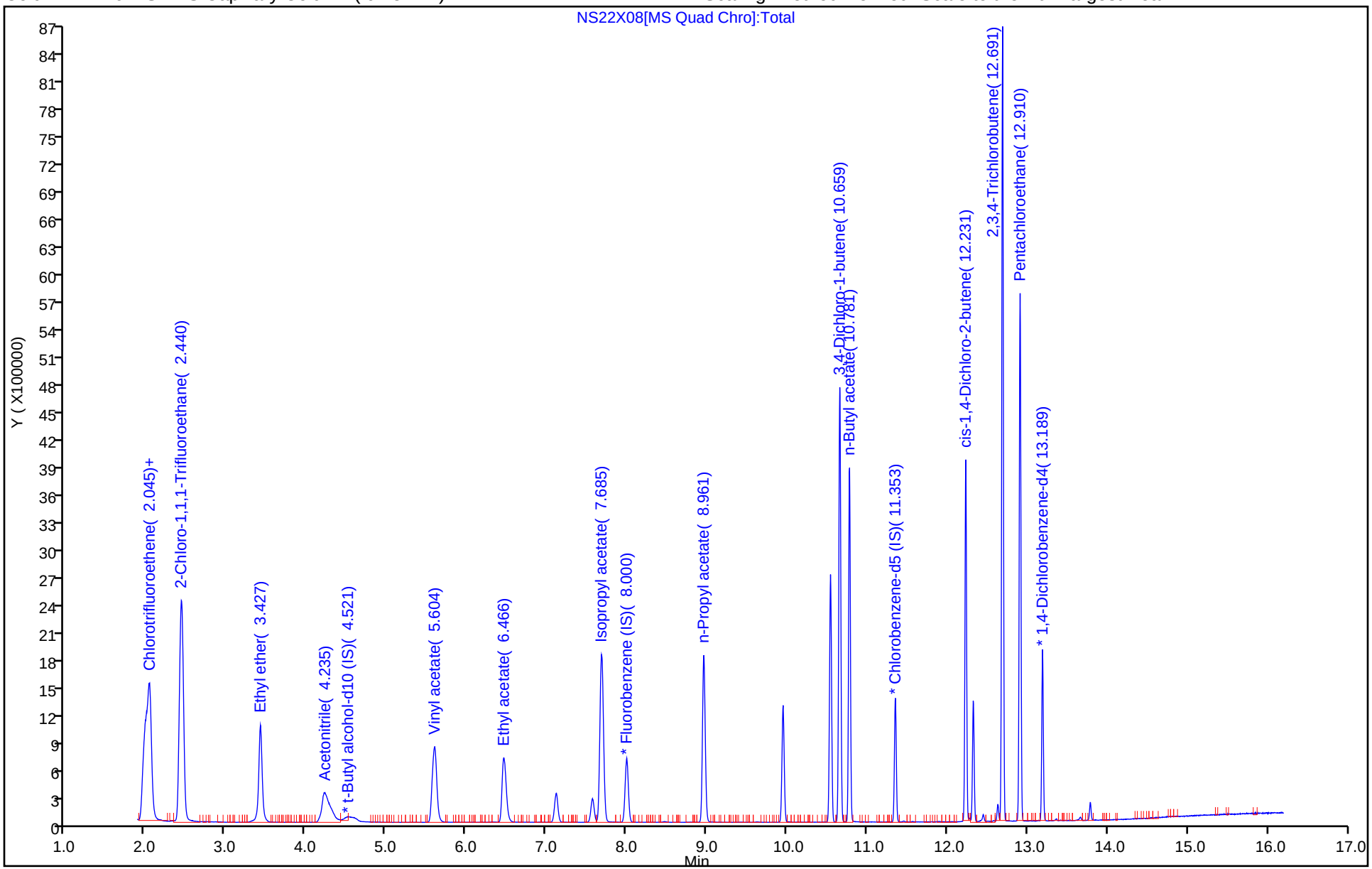
Report Date: 23-Sep-2025 09:35:27 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X08.D

Injection Date:	22-Sep-2025 16:52:33	Instrument ID:	7159	Operator ID:	kas02648
Lims ID:	IC sm v300			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

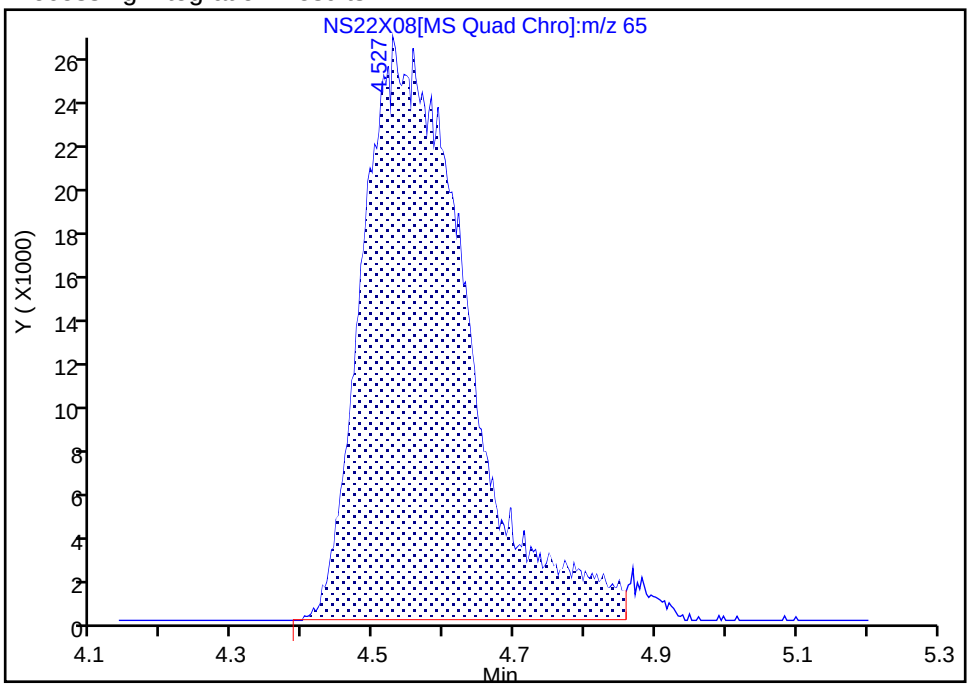
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X08.D				
Injection Date:	22-Sep-2025 16:52:33	Instrument ID:	7159		
Lims ID:	IC sm v300				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 27 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

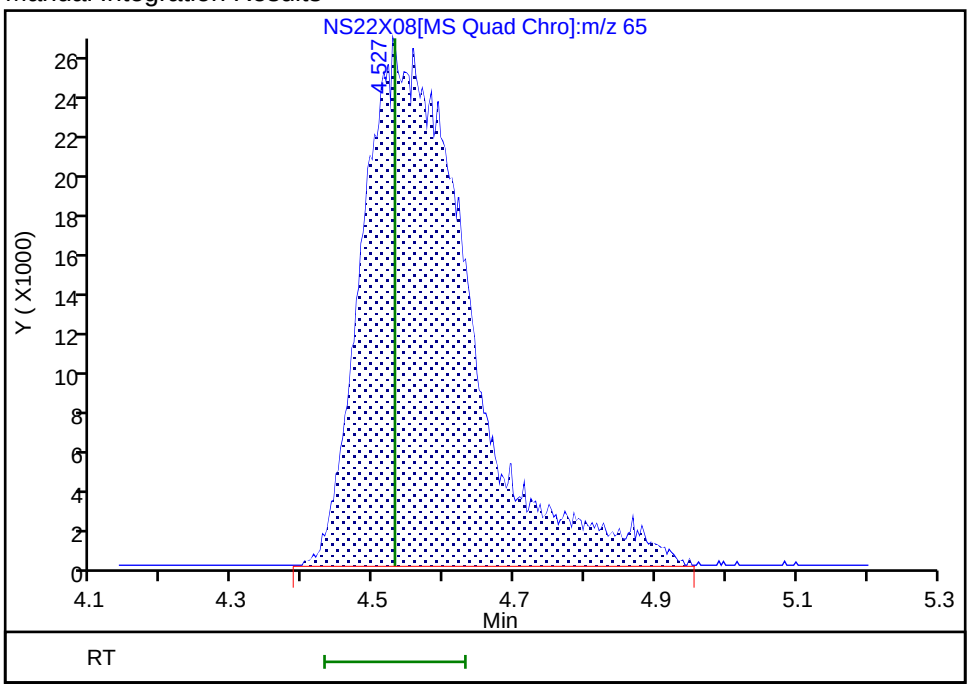
Processing Integration Results

RT: 4.53
Area: 274384
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.53
Area: 279540
Amount: 250.0000
Amount Units: ug/l



Reviewer: JS6E, 22-Sep-2025 17:37:25 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-702728/12	NS22X22.D
Level 2	IC 410-702728/13	NS22X23.D
Level 3	IC 410-702728/14	NS22X14.D
Level 4	IC 410-702728/15	NS22X15.D
Level 5	ICIS 410-702728/16	NS22X16.D
Level 6	IC 410-702728/17	NS22X17.D
Level 7	IC 410-702728/18	NS22X18.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	0.6397 0.9080	0.7304 0.8809	0.7998	0.8672	0.9708	Ave		0.8281			0.1000	13.7		20.0			
Chloromethane	0.6207 0.5866	0.5918 0.5585	0.5950	0.5905	0.6149	Ave		0.5940			0.1000	3.4		20.0			
1,3-Butadiene	0.3409 0.3973	0.3833 0.3829	0.3633	0.3968	0.4206	Ave		0.3836				6.7		20.0			
Vinyl chloride	0.5475 0.6118	0.5862 0.5884	0.5940	0.6122	0.6603	Ave		0.6001			0.1000	5.7		20.0			
Bromomethane	0.4517 0.4561	0.4749 0.4399	0.4854	0.4695	0.4876	Ave		0.4664			0.1000	3.8		20.0			
Chloroethane	0.2832 0.2707	0.2769 0.2633	0.2735	0.2741	0.2889	Ave		0.2758			0.1000	3.0		20.0			
Dichlorofluoromethane	0.7484 0.7804	0.8026 0.7558	0.7985	0.7904	0.8287	Ave		0.7864			0.1000	3.5		20.0			
Trichlorofluoromethane	0.6296 0.8733	0.7392 0.8502	0.7776	0.8362	0.9127	Ave		0.8027			0.1000	11.9		20.0			
n-Pentane	0.3745 0.3768	0.4277 0.3723	0.3037	0.3765	0.3702	Ave		0.3717				9.7		20.0			
Ethanol	0.0610 0.0631	0.0728 0.0678	0.0729	0.0691	0.0762	Ave		0.0690				8.0		20.0			
Freon 123a	0.3204 0.3697	0.3528 0.3616	0.3530	0.3594	0.3932	Ave		0.3586				6.1		20.0			
Acrolein	+++++ 1.1611	1.1254 1.0768	1.1833	1.1459	1.1402	Ave		1.1388				3.2		20.0			
1,1-Dichloroethene	0.2964 0.2687	0.2978 0.2663	0.2599	0.2730	0.2703	Ave		0.2761			0.1000	5.4		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.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

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								
Freon 113	0.3745 0.4112	0.4411 0.3903	0.3556	0.4116	0.4113	Ave		0.3994			0.1000	7.1		20.0			
Acetone	+++++ 0.5915	0.5768 0.5268	0.6035	0.5821	0.5744	Ave		0.5758			0.1000	4.6		20.0			
Methyl iodide	0.6275 0.6521	0.7176 0.6399	0.6583	0.6747	0.6458	Ave		0.6594				4.5		20.0			
2-Propanol	0.8954 0.5868	0.8067 0.6296	0.7482	0.7270	0.6644	Ave		0.7226				14.7		20.0			
Carbon disulfide	0.9026 0.9153	1.0067 0.9076	0.8941	0.9335	0.8982	Ave		0.9226			0.1000	4.3		20.0			
Methyl acetate	0.2589 0.1965	0.2322 0.1897	0.1860	0.1995	0.1939	Ave		0.2081			0.1000	13.0		20.0			
Allyl chloride	0.3027 0.3188	0.3691 0.3087	0.3206	0.3279	0.3073	Ave		0.3222				7.0		20.0			
Methylene Chloride	0.3013 0.2946	0.3203 0.2892	0.3036	0.3082	0.2953	Ave		0.3018			0.1000	3.4		20.0			
t-Butyl alcohol	1.0360 1.0409	1.0138 1.0460	1.0889	1.0673	1.0997	Ave		1.0561				2.9		20.0			
Acrylonitrile	0.1207 0.1138	0.1180 0.1100	0.1212	0.1174	0.1133	Ave		0.1163				3.5		20.0			
Methyl tert-butyl ether	0.9608 0.9294	0.9563 0.9167	0.9476	0.9488	0.9447	Ave		0.9435			0.1000	1.6		20.0			
trans-1,2-Dichloroethene	0.3261 0.3010	0.3446 0.2821	0.2986	0.3045	0.2986	Ave		0.3079			0.1000	6.7		20.0			
n-Hexane	0.3362 0.3710	0.3929 0.3482	0.2602	0.3582	0.3664	Ave		0.3476				12.2		20.0			
1,1-Dichloroethane	0.4612 0.4513	0.4977 0.4332	0.4822	0.4717	0.4592	Ave		0.4652			0.2000	4.5		20.0			
Isopropyl ether	0.7534 0.7536	0.7562 0.7389	0.7532	0.7535	0.7491	Ave		0.7511				0.8		20.0			
2-Chloro-1,3-butadiene	0.3646 0.3974	0.4147 0.3828	0.3755	0.3959	0.3948	Ave		0.3894				4.2		20.0			
Ethyl t-butyl ether	0.7906 0.8644	0.8316 0.8675	0.8175	0.8394	0.8383	Ave		0.8356				3.2		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.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

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)	+++++ 0.1421	0.1525 0.1509	0.1514	0.1464	0.1523	Ave		0.1493			0.1000	2.8		20.0			
cis-1,2-Dichloroethene	0.3738 0.3388	0.3862 0.3238	0.3558	0.3519	0.3441	Ave		0.3535			0.1000	6.0		20.0			
2,2-Dichloropropane	0.5179 0.5146	0.5618 0.5047	0.5122	0.5272	0.5169	Ave		0.5222				3.6		20.0			
Propionitrile	0.9330 0.9235	0.8979 0.8849	0.9315	0.9265	0.8893	Ave		0.9124				2.3		20.0			
Methyl acrylate	0.3153 0.3075	0.3075 0.3162	0.3008	0.3111	0.3132	Ave		0.3102				1.7		20.0			
Methacrylonitrile	0.1324 0.1290	0.1254 0.1259	0.1236	0.1248	0.1266	Ave		0.1268				2.4		20.0			
Bromochloromethane	0.1884 0.1881	0.2013 0.1799	0.2008	0.1973	0.1935	Ave		0.1928				4.0		20.0			
Tetrahydrofuran	0.8728 0.8740	0.8342 0.8157	0.8610	0.8476	0.8219	Ave		0.8468				2.8		20.0			
Chloroform	0.6895 0.5371	0.6024 0.5081	0.5800	0.5724	0.5496	Ave		0.5770			0.2000	10.1		20.0			
1,1,1-Trichloroethane	0.5684 0.5865	0.6235 0.5822	0.5835	0.6030	0.5910	Ave		0.5912			0.1000	3.0		20.0			
Cyclohexane	0.4672 0.5355	0.5436 0.5242	0.4215	0.5123	0.5247	Ave		0.5041			0.1000	8.7		20.0			
Carbon tetrachloride	0.5249 0.5612	0.5901 0.5529	0.5236	0.5659	0.5561	Ave		0.5535			0.1000	4.2		20.0			
1,1-Dichloropropene	0.3620 0.3865	0.4113 0.3812	0.3625	0.3891	0.3862	Ave		0.3827				4.4		20.0			
Isobutyl alcohol	0.3597 0.2870	0.2851 0.2741	0.2740	0.2802	0.2809	Ave		0.2916				10.4		20.0			
Benzene	1.1094 1.1302	1.1626 1.1121	1.1597	1.1562	1.1316	Ave		1.1374			0.5000	2.0		20.0			
1,2-Dichloroethane	0.3850 0.3596	0.3792 0.3539	0.3738	0.3749	0.3620	Ave		0.3698			0.1000	3.1		20.0			
t-Amyl methyl ether	0.8390 0.8660	0.8275 0.8814	0.8260	0.8299	0.8437	Ave		0.8448				2.5		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.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

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	0.3156 0.3099	0.3131 0.2846	0.2101	0.3090	0.3039	Ave		0.2923				12.9		20.0			
n-Butanol	0.1956 0.2359	0.2097 0.2405	0.2280	0.2179	0.2322	Ave		0.2228				7.2		20.0			
Trichloroethene	0.3381 0.3347	0.3489 0.3353	0.3300	0.3325	0.3333	Ave		0.3361			0.2000	1.8		20.0			
Ethyl acrylate	0.3505 0.3684	0.3433 0.3779	0.3393	0.3583	0.3674	Ave		0.3579				4.0		20.0			
Methylcyclohexane	0.5788 0.6546	0.6335 0.6415	0.4563	0.6251	0.6402	Ave		0.6043			0.1000	11.5		20.0			
t-Amyl ethyl ether	0.4378 0.4667	0.4568 0.4686	0.4488	0.4566	0.4583	Ave		0.4562				2.3		20.0			
1,2-Dichloropropane	0.2652 0.2694	0.2678 0.2633	0.2715	0.2725	0.2680	Ave		0.2682			0.1000	1.2		20.0			
Methyl methacrylate	0.2042 0.2167	0.2021 0.2131	0.2035	0.2116	0.2112	Ave		0.2089				2.7		20.0			
1,4-Dioxane	0.0569 0.0782	0.0768 0.0770	0.0841	0.0803	0.0859	Ave		0.0770			0.0050	12.4		20.0			
Dibromomethane	0.1977 0.1979	0.1962 0.1963	0.2018	0.2021	0.2009	Ave		0.1990				1.3		20.0			
Bromodichloromethane	0.3816 0.4047	0.3920 0.4105	0.3974	0.3953	0.3980	Ave		0.3971			0.2000	2.3		20.0			
2-Nitropropane	1.4344 1.5664	1.3555 1.5149	1.4120	1.4683	1.4360	Ave		1.4554				4.8		20.0			
2-Chloroethyl vinyl ether	0.1701 0.1748	0.1699 0.1771	0.1614	0.1738	0.1698	Ave		0.1710				3.0		20.0			
cis-1,3-Dichloropropene	0.3611 0.4464	0.4189 0.4522	0.4195	0.4280	0.4381	Ave		0.4235			0.2000	7.2		20.0			
4-Methyl-2-pentanone (MIBK)	0.4092 0.3273	0.3056 0.3249	0.3222	0.3175	0.3417	Ave		0.3355			0.1000	10.2		20.0			
Toluene	0.9600 0.9458	0.9809 0.9182	0.9387	0.9637	0.9396	Ave		0.9496			0.4000	2.2		20.0			
trans-1,3-Dichloropropene	0.4645 0.4946	0.4706 0.4951	0.4670	0.4823	0.4813	Ave		0.4794			0.1000	2.6		20.0			

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FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

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	0.4224 0.4744	0.4408 0.4665	0.4373	0.4528	0.4678	Ave		0.4517				4.2		20.0			
1,1,2-Trichloroethane	0.3298 0.3312	0.3469 0.3226	0.3467	0.3332	0.3315	Ave		0.3346			0.1000	2.7		20.0			
Tetrachloroethene	0.4997 0.5440	0.5799 0.5217	0.5021	0.5449	0.5398	Ave		0.5332			0.2000	5.3		20.0			
1,3-Dichloropropane	0.4994 0.4967	0.5039 0.4907	0.5100	0.5097	0.5002	Ave		0.5015				1.4		20.0			
2-Hexanone	0.3700 0.2665	0.2632 0.2593	0.2668	0.2639	0.2805	Ave		0.2815			0.1000	14.1		20.0			
Dibromochloromethane	0.3882 0.4576	0.4305 0.4595	0.4284	0.4426	0.4419	Ave		0.4355				5.5		20.0			
1,2-Dibromoethane (EDB)	0.3501 0.3589	0.3658 0.3560	0.3593	0.3675	0.3623	Ave		0.3600			0.1000	1.7		20.0			
1-Chlorohexane	0.5894 0.5509	0.5907 0.5308	0.4329	0.5337	0.5422	Ave		0.5387				9.8		20.0			
Chlorobenzene	1.0811 1.1279	1.1677 1.0962	1.1289	1.1434	1.1333	Ave		1.1255			0.5000	2.6		20.0			
1,1,1,2-Tetrachloroethane	0.4808 0.5057	0.4981 0.4948	0.4983	0.5072	0.4969	Ave		0.4974				1.7		20.0			
Ethylbenzene	1.8808 1.9133	1.9902 1.7782	1.7890	1.9290	1.9106	Ave		1.8844			0.1000	4.1		20.0			
m&p-Xylene	0.7088 0.7587	0.7760 0.7222	0.7176	0.7779	0.7740	Ave		0.7479			0.1000	4.1		20.0			
n-Butyl acrylate	0.5981 0.6532	0.6162 0.6608	0.5925	0.6289	0.6555	Ave		0.6293				4.5		20.0			
o-Xylene	0.7203 0.7964	0.8217 0.7634	0.7490	0.7989	0.8090	Ave		0.7798			0.3000	4.7		20.0			
Styrene	1.0853 1.2440	1.1817 1.1812	1.1552	1.2190	1.2331	Ave		1.1856			0.3000	4.6		20.0			
Bromoform	0.2324 0.3585	0.3154 0.3572	0.3297	0.3335	0.3467	Ave		0.3248			0.1000	13.4		20.0			
Isopropylbenzene	2.0117 2.2888	2.2451 2.0673	1.9127	2.2725	2.2795	Ave		2.1539			0.1000	7.1		20.0			

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FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

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	0.2508 0.2608	0.2454 0.2688	0.2707	0.2677	0.2886	Ave		0.2647				5.4		20.0			
1,1,2,2-Tetrachloroethane	0.8718 0.9094	0.8358 0.8541	0.8776	0.8859	0.9132	Ave		0.8783			0.3000	3.2		20.0			
Bromobenzene	0.8611 0.9440	0.9301 0.9255	0.9067	0.9239	0.9504	Ave		0.9202				3.2		20.0			
trans-1,4-Dichloro-2-butene	0.2067 0.2297	0.2184 0.2182	0.2158	0.2215	0.2280	Ave		0.2197				3.5		20.0			
1,2,3-Trichloropropane	0.2815 0.3031	0.2997 0.2863	0.3120	0.3087	0.3090	Ave		0.3000				3.9		20.0			
N-Propylbenzene	3.6242 4.1769	3.9778 3.6809	3.3914	4.0763	4.1342	Ave		3.8660				7.8		20.0			
2-Chlorotoluene	0.8202 0.9235	0.8983 0.8952	0.8171	0.8918	0.9166	Ave		0.8804				5.0		20.0			
1,3,5-Trimethylbenzene	2.7681 3.3333	3.0119 3.0688	2.6838	3.1808	3.2893	Ave		3.0480				8.1		20.0			
4-Chlorotoluene	0.7930 0.8762	0.8546 0.8541	0.7861	0.8654	0.8763	Ave		0.8437				4.5		20.0			
tert-Butylbenzene	0.6332 0.7476	0.6689 0.7370	0.5498	0.6757	0.7189	Ave		0.6759				10.2		20.0			
1,2,4-Trimethylbenzene	2.8984 3.3483	3.0608 3.1114	2.7703	3.2272	3.3395	Ave		3.1080				7.0		20.0			
sec-Butylbenzene	3.5189 4.3168	3.8860 3.8148	3.1282	4.0679	4.2626	Ave		3.8565				10.9		20.0			
1,3-Dichlorobenzene	1.6856 1.7615	1.7595 1.6668	1.6563	1.7702	1.7874	Ave		1.7268			0.6000	3.2		20.0			
p-Isopropyltoluene	3.2234 3.8572	3.4554 3.4945	2.8240	3.6607	3.7884	Ave		3.4720				10.3		20.0			
1,4-Dichlorobenzene	1.7152 1.7351	1.7750 1.6621	1.6758	1.7503	1.7383	Ave		1.7217			0.5000	2.3		20.0			
1,2,3-Trimethylbenzene	2.8669 3.3791	3.1616 3.1310	2.9399	3.2525	3.3537	Ave		3.1550				6.2		20.0			
Benzyl chloride	1.4718 1.6672	1.4929 1.6498	1.4921	1.5422	1.6292	Ave		1.5636				5.3		20.0			

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GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

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	1.8548 2.0794	1.8743 1.9594	1.5644	1.9969	2.0178	Ave		1.9067				8.9		20.0			
1,4-Diethylbenzene	1.9570 2.1620	1.9688 2.0563	1.6008	2.0784	2.1560	Ave		1.9970				9.6		20.0			
n-Butylbenzene	1.4808 1.5916	1.5051 1.4909	1.1934	1.5617	1.5890	Ave		1.4875				9.2		20.0			
1,2-Dichlorobenzene	1.6754 1.7257	1.7505 1.6605	1.6921	1.7486	1.7776	Ave		1.7186			0.4000	2.5		20.0			
1,2-Diethylbenzene	1.6655 1.8458	1.6984 1.7499	1.4299	1.7656	1.8096	Ave		1.7092				8.1		20.0			
1,2-Dibromo-3-Chloropropane	0.2619 0.2366	0.2280 0.2413	0.2231	0.2278	0.2355	Ave		0.2363			0.0500	5.4		20.0			
1,3,5-Trichlorobenzene	1.4204 1.5064	1.4211 1.4729	1.1838	1.4545	1.4753	Ave		1.4192				7.6		20.0			
1,2,4-Trichlorobenzene	1.2610 1.3722	1.3649 1.3816	1.1488	1.3373	1.3742	Ave		1.3200			0.2000	6.5		20.0			
2-Ethylhexyl acrylate	0.9357 1.1357	0.8995 1.2486	0.9018	1.0048	1.1148	Ave		1.0344				13.0		20.0			
Hexachlorobutadiene	0.5018 0.5970	0.5472 0.5923	0.4204	0.5800	0.5911	Ave		0.5471				12.0		20.0			
Naphthalene	3.7508 4.0637	3.9417 3.8216	3.7549	3.9571	4.1643	Ave		3.9220				4.0		20.0			
1,2,3-Trichlorobenzene	1.3908 1.3679	1.3527 1.3896	1.2020	1.3773	1.3848	Ave		1.3522				5.0		20.0			
2-Methylnaphthalene	2.3082 2.4123	2.1806 2.4576	1.9444	2.2765	2.5014	Ave		2.2973				8.3		20.0			
Dibromofluoromethane (Surr)	0.2859 0.2798	0.2865 0.2758	0.2906	0.2864	0.2847	Ave		0.2842				1.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0637 0.0627	0.0642 0.0641	0.0646	0.0642	0.0649	Ave		0.0641				1.1		20.0			
Toluene-d8 (Surr)	1.2500 1.2088	1.2455 1.2163	1.2311	1.2309	1.2155	Ave		1.2283				1.3		20.0			
4-Bromofluorobenzene (Surr)	0.4748 0.4577	0.4682 0.4630	0.4545	0.4639	0.4645	Ave		0.4638				1.4		20.0			

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FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-245374-1 | Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 | Calibration End Date: 09/22/2025 22:59 | Calibration ID: 76951

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-702728/12	NS22X22.D
Level 2	IC 410-702728/13	NS22X23.D
Level 3	IC 410-702728/14	NS22X14.D
Level 4	IC 410-702728/15	NS22X15.D
Level 5	ICIS 410-702728/16	NS22X16.D
Level 6	IC 410-702728/17	NS22X17.D
Level 7	IC 410-702728/18	NS22X18.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	13693 2001054	62478 5831911	165647	367201	1040500	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	13287 1292695	50624 3697483	123246	250020	659018	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	7297 875523	32785 2534870	75238	168013	450791	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	11720 1348258	50144 3895671	123038	259229	707764	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	9668 1005052	40625 2912376	100527	198796	522605	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	6062 596664	23690 1743007	56657	116054	309644	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	16021 1719918	68659 5003898	165380	334689	888172	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	13478 1924599	63230 5628842	161056	354075	978301	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	8017 830390	36588 2464947	62909	159434	396742	1.00 100	4.00 300	10.0	20.0	50.0
Ethanol	TBAd10	Ave	4658 190426	22837 652258	42168	82301	118824	62.5 2500	250 7499	500	1000	1250
Freon 123a	FB	Ave	6858 814812	30180 2394145	73112	152201	421494	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd10	Ave	+++++ 1368149	55096 4040985	133619	266429	694031	+++++ 976	39.0 2927	97.6	195	488
1,1-Dichloroethene	FB	Ave	6345 592161	25473 1763332	53824	115579	289711	1.00 100	4.00 300	10.0	20.0	50.0
Freon 113	FB	Ave	8016 906161	37729 2584036	73653	174295	440791	1.00 100	4.00 300	10.0	20.0	50.0

FORM VI
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Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

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
Acetone	TBAd10	Ave	+++++ 142859	5787 405217	13966	27737	71661	+++++ 200	8.00 600	20.0	40.0	100
Methyl iodide	FB	Ave	13432 1437076	61387 4236645	136351	285676	692197	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd10	Ave	5472 354314	20235 1210774	43290	86610	207222	5.00 500	20.0 1500	50.0	100	250
Carbon disulfide	FB	Ave	19320 2017013	86112 6008846	185194	395296	962745	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	5543 433004	19862 1255639	38531	84466	207819	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	6480 702471	31576 2043672	66395	138858	329383	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	6449 649181	27398 1914504	62875	130490	316496	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	6331 628480	25431 2011368	63003	127148	342964	5.00 500	20.0 1500	50.0	100	250
Acrylonitrile	FB	Ave	6457 627165	25232 1821158	62777	124238	303545	2.50 250	10.0 750	25.0	50.0	125
Methyl tert-butyl ether	FB	Ave	20566 2048266	81806 6069310	196257	401770	1012587	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	6980 663376	29475 1867432	61855	128949	320041	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	7196 817537	33610 2305356	53887	151671	392724	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	9873 994480	42571 2867941	99865	199735	492156	1.00 100	4.00 300	10.0	20.0	50.0
Isopropyl ether	FB	Ave	16128 1660812	64691 4892240	156001	319061	802919	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	7804 875747	35471 2534369	77776	167637	423127	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl t-butyl ether	FB	Ave	16924 1904836	71137 5743594	169313	355435	898516	1.00 100	4.00 300	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	+++++ 626469	26088 1997499	62698	123972	326481	+++++ 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	8002 746615	33033 2143832	73690	149026	368767	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	11085 1134111	48062 3341695	106094	223246	554033	1.00 100	4.00 300	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.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

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	5702 557573	22522 1701688	53892	110374	277340	5.00 500	20.0 1500	50.0	100	250
Methyl acrylate	FB	Ave	6752 677848	26314 2094230	62315	131766	335800	1.00 100	4.00 300	10.0	20.0	50.0
Methacrylonitrile	FB	Ave	7087 710589	26813 2083736	63992	132108	339173	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	4033 414612	17222 1191217	41600	83537	207361	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd10	Ave	5334 527714	20925 1568636	49813	100977	256335	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	14760 1183658	51532 3363652	120127	242368	589099	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	12168 1292608	53334 3854429	120847	255353	633446	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	10000 1180062	46500 3470540	87297	216927	562387	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	11236 1236720	50477 3660772	108444	239606	596055	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	7749 851722	35185 2523923	75071	164754	413901	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd10	Ave	5495 433163	17881 1317831	39629	83455	218982	12.5 1250	50.0 3750	125	250	625
Benzene	FB	Ave	23748 2490711	99455 7363054	240202	489558	1212934	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	8242 792540	32434 2342883	77419	158746	387969	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	17960 1908440	70787 5835568	171071	351394	904318	1.00 100	4.00 300	10.0	20.0	50.0
n-Heptane	FB	Ave	6756 682940	26780 1884503	43512	130859	325712	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd10	Ave	2988 356150	13148 1156288	32977	64891	181080	12.5 1250	50.0 3750	125	250	625
Trichloroethene	FB	Ave	7238 737689	29850 2220146	68353	140798	357208	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl acrylate	FB	Ave	7506 812165	29383 2503176	70310	151805	393994	1.00 100	4.00 300	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	12389	54190	94519	264703	686176	1.00	4.00	10.0	20.0	50.0

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RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

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
			1442555	4247207				100	300			
t-Amyl ethyl ether	FB	Ave	9371 1028561	39080 3102340	92961	193357	491260	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	5676 593609	22909 1742900	56224	115400	287285	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	4372 477649	17288 1410846	42139	89600	226357	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd10	Ave	870 118067	4818 370164	12167	23915	66991	12.5 1250	50.0 3750	125	250	625
Dibromomethane	FB	Ave	4232 436210	16783 1299739	41791	85577	215332	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	8168 891797	33531 2717762	82317	167384	426633	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd10	Ave	8766 945759	34001 2912968	81697	174919	447848	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	3642 385156	14530 1172802	33435	73573	182034	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	7729 983782	35834 2993831	86881	181237	469594	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	12044 1442549	52289 4302517	133484	268861	732473	1.38 200	8.00 600	20.0	40.0	100
Toluene	CBZd5	Ave	16378 1731381	65791 5087526	158327	331328	831776	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZd5	Ave	7924 905484	31562 2743631	78769	165832	426057	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl methacrylate	CBZd5	Ave	7206 868475	29567 2584931	73751	155682	414075	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZd5	Ave	5627 606280	23264 1787754	58478	114561	293401	1.00 100	4.00 300	10.0	20.0	50.0
Tetrachloroethene	CBZd5	Ave	8525 995842	38897 2890563	84689	187352	477813	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichloropropane	CBZd5	Ave	8520 909198	33795 2719013	86021	175261	442776	1.00 100	4.00 300	10.0	20.0	50.0
2-Hexanone	CBZd5	Ave	8680 975747	35302 2873476	89982	181479	496573	1.38 200	8.00 600	20.0	40.0	100
Dibromochloromethane	CBZd5	Ave	6622 837676	28871 2545854	72254	152166	391154	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromoethane (EDB)	CBZd5	Ave	5972 657098	24534 1972457	60603	126356	320683	1.00 100	4.00 300	10.0	20.0	50.0

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RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

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	10055 1008440	39617 2941277	73017	183510	479957	1.00 100	4.00 300	10.0	20.0	50.0
Chlorobenzene	CBZd5	Ave	18443 2064829	78320 6074215	190398	393107	1003216	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZd5	Ave	8202 925801	33410 2741887	84043	174387	439890	1.00 100	4.00 300	10.0	20.0	50.0
Ethylbenzene	CBZd5	Ave	32087 3502480	133487 9852867	301732	663215	1691239	1.00 100	4.00 300	10.0	20.0	50.0
m&p-Xylene	CBZd5	Ave	24183 2777692	104092 8003799	242047	534888	1370209	2.00 200	8.00 600	20.0	40.0	100
n-Butyl acrylate	CBZd5	Ave	10204 1195969	41331 3661744	99935	216246	580301	1.00 100	4.00 300	10.0	20.0	50.0
o-Xylene	CBZd5	Ave	12288 1457879	55115 4230171	126321	274676	716149	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd5	Ave	18515 2277357	79256 6544904	194840	419118	1091570	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd5	Ave	3965 656285	21157 1979238	55599	114679	306872	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd5	Ave	34319 4189993	150583 11454797	322593	781330	2017800	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBAd10	Ave	15326 393695	61566 1292188	78318	159474	225039	50.0 1250	200 3750	250	500	625
1,1,2,2-Tetrachloroethane	DCBd4	Ave	9285 965290	34997 2751855	89307	183749	473691	1.00 100	4.00 300	10.0	20.0	50.0
Bromobenzene	DCBd4	Ave	9171 1001996	38945 2981950	92264	191632	492950	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	5504 609516	22860 1757729	54888	114831	295638	2.50 250	10.0 750	25.0	50.0	125
1,2,3-Trichloropropane	DCBd4	Ave	2998 321737	12549 922412	31747	64024	160277	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd4	Ave	38599 4433392	166564 11859484	345117	845443	2144365	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	8735 980177	37614 2884361	83150	184965	475418	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	29481 3537946	126119 9887323	273109	659714	1706107	1.00 100	4.00 300	10.0	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	8446 930029	35784 2751771	80000	179486	454529	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	6744	28009	55945	140142	372876	1.00	4.00	10.0	20.0	50.0

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SDG No.:

Instrument ID: 7159 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 | Calibration End Date: 09/22/2025 22:59 | Calibration ID: 76951

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
			793494	2374453				100	300			
1,2,4-Trimethylbenzene	DCBd4	Ave	30869 3553887	128164 10024752	281911	669348	1732172	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	37478 4581891	162718 12290856	318331	843711	2210953	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	17952 1869661	73676 5370177	168553	367149	927117	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd4	Ave	34331 4094059	144689 11258948	287378	759259	1964996	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	18268 1841633	74323 5355107	170532	363032	901615	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trimethylbenzene	DCBd4	Ave	30534 3586550	132386 10087783	299167	674592	1739541	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd4	Ave	15675 1769588	62511 5315587	151837	319854	845054	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd4	Ave	19754 2207081	78483 6312945	159197	414171	1046619	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd4	Ave	20843 2294754	82439 6625277	162896	431083	1118278	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd4	Ave	15771 1689331	63021 4803495	121443	323916	824200	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	17844 1831700	73299 5349931	172189	362668	922001	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd4	Ave	17738 1959163	71116 5637865	145505	366200	938632	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	2789 251081	9546 777311	22706	47252	122141	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	15128 1598867	59506 4745670	120466	301682	765213	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	13430 1456437	57153 4451387	116899	277374	712769	1.00 100	4.00 300	10.0	20.0	50.0
2-Ethylhexyl acrylate	DCBd4	Ave	9967 1205624	37673 4023455	91780	208440	578352	1.00 100	4.00 300	10.0	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	5344 633673	22913 1908398	42776	120293	306576	1.00 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd4	Ave	39948 4313257	165052 12312714	382110	820728	2159980	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	14813 1451875	56640 4476991	122317	285664	718299	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd4	Ave	24583	91307	197870	472166	1297448	1.00	4.00	10.0	20.0	50.0

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GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

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
			2560427	7918236				100	300			
Dibromofluoromethane (Surr)	FB	Ave	305986 308356	306329 304288	300932	303149	305199	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	68230 69102	68620 70774	66861	67935	69522	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd5	Ave	1066227 1106405	1044213 1123282	1038157	1057998	1075927	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	405047 418893	392502 427548	383305	398783	411139	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.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-702728/12	NS22X22.D
Level 2	IC 410-702728/13	NS22X23.D
Level 3	IC 410-702728/14	NS22X14.D
Level 4	IC 410-702728/15	NS22X15.D
Level 5	ICIS 410-702728/16	NS22X16.D
Level 6	IC 410-702728/17	NS22X17.D
Level 7	IC 410-702728/18	NS22X18.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	-22.8 6.4	-11.8	-3.4	4.7	17.2	9.7	50 30	30	30	30	30	30
Chloromethane	4.5 -6.0	-0.4	0.2	-0.6	3.5	-1.2	50 30	30	30	30	30	30
1,3-Butadiene	-11.1 -0.2	-0.1	-5.3	3.4	9.7	3.6	50 30	30	30	30	30	30
Vinyl chloride	-8.8 -1.9	-2.3	-1.0	2.0	10.0	2.0	50 30	30	30	30	30	30
Bromomethane	-3.2 -5.7	1.8	4.1	0.7	4.5	-2.2	50 30	30	30	30	30	30
Chloroethane	2.7 -4.5	0.4	-0.8	-0.6	4.7	-1.8	50 30	30	30	30	30	30
Dichlorofluoromethane	-4.8 -3.9	2.1	1.5	0.5	5.4	-0.8	50 30	30	30	30	30	30
Trichlorofluoromethane	-21.6 5.9	-7.9	-3.1	4.2	13.7	8.8	50 30	30	30	30	30	30
n-Pentane	0.8 0.2	15.1	-18.3	1.3	-0.4	1.4	50 30	30	30	30	30	30
Ethanol	-11.6 -1.7	5.6	5.6	0.1	10.5	-8.6	50 30	30	30	30	30	30
Freon 123a	-10.7 0.8	-1.6	-1.6	0.2	9.7	3.1	50 30	30	30	30	30	30
Acrolein	+++++ -5.4	-1.2	3.9	0.6	0.1	2.0	 30	50	30	30	30	30
1,1-Dichloroethene	7.4 -3.5	7.9	-5.9	-1.1	-2.1	-2.7	50 30	30	30	30	30	30
Freon 113	-6.2 -2.3	10.4	-11.0	3.1	3.0	3.0	50 30	30	30	30	30	30
Acetone	+++++ -8.5	0.2	4.8	1.1	-0.2	2.7	 30	50	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.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

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	-4.8 -3.0	8.8	-0.2	2.3	-2.1	-1.1	50 30	30	30	30	30	30
2-Propanol	23.9 -12.9	11.6	3.5	0.6	-8.1	-18.8	50 30	30	30	30	30	30
Carbon disulfide	-2.2 -1.6	9.1	-3.1	1.2	-2.6	-0.8	50 30	30	30	30	30	30
Methyl acetate	24.4 -8.9	11.6	-10.6	-4.1	-6.8	-5.6	50 30	30	30	30	30	30
Allyl chloride	-6.0 -4.2	14.6	-0.5	1.8	-4.6	-1.1	50 30	30	30	30	30	30
Methylene Chloride	-0.2 -4.2	6.1	0.6	2.1	-2.1	-2.4	50 30	30	30	30	30	30
t-Butyl alcohol	-1.9 -1.0	-4.0	3.1	1.1	4.1	-1.4	50 30	30	30	30	30	30
Acrylonitrile	3.7 -5.4	1.4	4.2	0.9	-2.6	-2.2	50 30	30	30	30	30	30
Methyl tert-butyl ether	1.8 -2.8	1.4	0.4	0.6	0.1	-1.5	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	5.9 -8.4	11.9	-3.0	-1.1	-3.0	-2.2	50 30	30	30	30	30	30
n-Hexane	-3.3 0.2	13.0	-25.1	3.1	5.4	6.7	50 30	30	30	30	30	30
1,1-Dichloroethane	-0.9 -6.9	7.0	3.6	1.4	-1.3	-3.0	50 30	30	30	30	30	30
Isopropyl ether	0.3 -1.6	0.7	0.3	0.3	-0.3	0.3	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-6.4 -1.7	6.5	-3.6	1.7	1.4	2.1	50 30	30	30	30	30	30
Ethyl t-butyl ether	-5.4 3.8	-0.5	-2.2	0.5	0.3	3.4	50 30	30	30	30	30	30
2-Butanone (MEK)	+++++ 1.1	2.2	1.4	-1.9	2.0	-4.8	30	50	30	30	30	30
cis-1,2-Dichloroethene	5.8 -8.4	9.2	0.7	-0.4	-2.7	-4.2	50 30	30	30	30	30	30
2,2-Dichloropropane	-0.8 -3.3	7.6	-1.9	1.0	-1.0	-1.5	50 30	30	30	30	30	30
Propionitrile	2.3 -3.0	-1.6	2.1	1.5	-2.5	1.2	50 30	30	30	30	30	30
Methyl acrylate	1.6 1.9	-0.9	-3.0	0.3	1.0	-0.9	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.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

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	4.4 -0.7	-1.1	-2.5	-1.6	-0.2	1.7	50 30	30	30	30	30	30
Bromochloromethane	-2.3 -6.7	4.4	4.2	2.3	0.4	-2.4	50 30	30	30	30	30	30
Tetrahydrofuran	3.1 -3.7	-1.5	1.7	0.1	-2.9	3.2	50 30	30	30	30	30	30
Chloroform	19.5 -12.0	4.4	0.5	-0.8	-4.7	-6.9	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-3.8 -1.5	5.5	-1.3	2.0	0.0	-0.8	50 30	30	30	30	30	30
Cyclohexane	-7.3 4.0	7.8	-16.4	1.6	4.1	6.2	50 30	30	30	30	30	30
Carbon tetrachloride	-5.2 -0.1	6.6	-5.4	2.2	0.5	1.4	50 30	30	30	30	30	30
1,1-Dichloropropene	-5.4 -0.4	7.5	-5.3	1.7	0.9	1.0	50 30	30	30	30	30	30
Isobutyl alcohol	23.4 -6.0	-2.2	-6.0	-3.9	-3.7	-1.6	50 30	30	30	30	30	30
Benzene	-2.5 -2.2	2.2	2.0	1.6	-0.5	-0.6	50 30	30	30	30	30	30
1,2-Dichloroethane	4.1 -4.3	2.5	1.1	1.4	-2.1	-2.7	50 30	30	30	30	30	30
t-Amyl methyl ether	-0.7 4.3	-2.0	-2.2	-1.8	-0.1	2.5	50 30	30	30	30	30	30
n-Heptane	8.0 -2.6	7.1	-28.1	5.7	4.0	6.0	50 30	30	30	30	30	30
n-Butanol	-12.2 7.9	-5.9	2.3	-2.2	4.2	5.9	50 30	30	30	30	30	30
Trichloroethene	0.6 -0.2	3.8	-1.8	-1.1	-0.9	-0.4	50 30	30	30	30	30	30
Ethyl acrylate	-2.1 5.6	-4.1	-5.2	0.1	2.7	2.9	50 30	30	30	30	30	30
Methylcyclohexane	-4.2 6.2	4.8	-24.5	3.4	5.9	8.3	50 30	30	30	30	30	30
t-Amyl ethyl ether	-4.0 2.7	0.1	-1.6	0.1	0.5	2.3	50 30	30	30	30	30	30
1,2-Dichloropropane	-1.1 -1.9	-0.2	1.2	1.6	-0.1	0.4	50 30	30	30	30	30	30
Methyl methacrylate	-2.2 2.0	-3.3	-2.6	1.3	1.1	3.7	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.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

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	-26.1 -0.1	-0.3	9.2	4.2	11.5	1.5	50 30	30	30	30	30	30
Dibromomethane	-0.6 -1.3	-1.4	1.4	1.6	1.0	-0.5	50 30	30	30	30	30	30
Bromodichloromethane	-3.9 3.4	-1.3	0.1	-0.4	0.2	1.9	50 30	30	30	30	30	30
2-Nitropropane	-1.4 4.1	-6.9	-3.0	0.9	-1.3	7.6	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-0.5 3.6	-0.7	-5.6	1.6	-0.7	2.2	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-14.7 6.8	-1.1	-0.9	1.1	3.5	5.4	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	22.0 -3.1	-8.9	-4.0	-5.4	1.8	-2.4	50 30	30	30	30	30	30
Toluene	1.1 -3.3	3.3	-1.1	1.5	-1.0	-0.4	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-3.1 3.3	-1.8	-2.6	0.6	0.4	3.2	50 30	30	30	30	30	30
Ethyl methacrylate	-6.5 3.3	-2.4	-3.2	0.2	3.6	5.0	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-1.4 -3.6	3.7	3.6	-0.4	-0.9	-1.0	50 30	30	30	30	30	30
Tetrachloroethene	-6.3 -2.2	8.8	-5.8	2.2	1.2	2.0	50 30	30	30	30	30	30
1,3-Dichloropropane	-0.4 -2.2	0.5	1.7	1.6	-0.3	-1.0	50 30	30	30	30	30	30
2-Hexanone	31.5 -7.9	-6.5	-5.2	-6.2	-0.3	-5.3	50 30	30	30	30	30	30
Dibromochloromethane	-10.9 5.5	-1.2	-1.6	1.6	1.5	5.1	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-2.8 -1.1	1.6	-0.2	2.1	0.6	-0.3	50 30	30	30	30	30	30
1-Chlorohexane	9.4 -1.5	9.7	-19.6	-0.9	0.7	2.3	50 30	30	30	30	30	30
Chlorobenzene	-3.9 -2.6	3.8	0.3	1.6	0.7	0.2	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-3.3 -0.5	0.1	0.2	2.0	-0.1	1.7	50 30	30	30	30	30	30
Ethylbenzene	-0.2 -5.6	5.6	-5.1	2.4	1.4	1.5	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.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

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 -3.4	3.8	-4.1	4.0	3.5	1.4	50 30	30	30	30	30	30
n-Butyl acrylate	-5.0 5.0	-2.1	-5.9	-0.1	4.2	3.8	50 30	30	30	30	30	30
o-Xylene	-7.6 -2.1	5.4	-4.0	2.4	3.7	2.1	50 30	30	30	30	30	30
Styrene	-8.5 -0.4	-0.3	-2.6	2.8	4.0	4.9	50 30	30	30	30	30	30
Bromoform	-28.4 10.0	-2.9	1.5	2.7	6.7	10.4	50 30	30	30	30	30	30
Isopropylbenzene	-6.6 -4.0	4.2	-11.2	5.5	5.8	6.3	50 30	30	30	30	30	30
Cyclohexanone	-5.3 1.5	-7.3	2.3	1.1	9.0	-1.5	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-0.7 -2.8	-4.8	-0.1	0.9	4.0	3.5	50 30	30	30	30	30	30
Bromobenzene	-6.4 0.6	1.1	-1.5	0.4	3.3	2.6	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-5.9 -0.7	-0.6	-1.8	0.8	3.8	4.5	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-6.2 -4.6	-0.1	4.0	2.9	3.0	1.0	50 30	30	30	30	30	30
N-Propylbenzene	-6.3 -4.8	2.9	-12.3	5.4	6.9	8.0	50 30	30	30	30	30	30
2-Chlorotoluene	-6.8 1.7	2.0	-7.2	1.3	4.1	4.9	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-9.2 0.7	-1.2	-11.9	4.4	7.9	9.4	50 30	30	30	30	30	30
4-Chlorotoluene	-6.0 1.2	1.3	-6.8	2.6	3.9	3.9	50 30	30	30	30	30	30
tert-Butylbenzene	-6.3 9.0	-1.0	-18.7	0.0	6.4	10.6	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-6.7 0.1	-1.5	-10.9	3.8	7.4	7.7	50 30	30	30	30	30	30
sec-Butylbenzene	-8.8 -1.1	0.8	-18.9	5.5	10.5	11.9	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-2.4 -3.5	1.9	-4.1	2.5	3.5	2.0	50 30	30	30	30	30	30
p-Isopropyltoluene	-7.2 0.6	-0.5	-18.7	5.4	9.1	11.1	50 30	30	30	30	30	30

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GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1 Analy Batch No.: 702728

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2025 18:51 Calibration End Date: 09/22/2025 22:59 Calibration ID: 76951

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	-0.4 -3.5	3.1	-2.7	1.7	1.0	0.8	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-9.1 -0.8	0.2	-6.8	3.1	6.3	7.1	50 30	30	30	30	30	30
Benzyl chloride	-5.9 5.5	-4.5	-4.6	-1.4	4.2	6.6	50 30	30	30	30	30	30
1,3-Diethylbenzene	-2.7 2.8	-1.7	-18.0	4.7	5.8	9.1	50 30	30	30	30	30	30
1,4-Diethylbenzene	-2.0 3.0	-1.4	-19.8	4.1	8.0	8.3	50 30	30	30	30	30	30
n-Butylbenzene	-0.5 0.2	1.2	-19.8	5.0	6.8	7.0	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-2.5 -3.4	1.9	-1.5	1.7	3.4	0.4	50 30	30	30	30	30	30
1,2-Diethylbenzene	-2.6 2.4	-0.6	-16.3	3.3	5.9	8.0	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	10.8 2.1	-3.5	-5.6	-3.6	-0.3	0.1	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	0.1 3.8	0.1	-16.6	2.5	4.0	6.1	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-4.5 4.7	3.4	-13.0	1.3	4.1	4.0	50 30	30	30	30	30	30
2-Ethylhexyl acrylate	-9.5 20.7	-13.0	-12.8	-2.9	7.8	9.8	50 30	30	30	30	30	30
Hexachlorobutadiene	-8.3 8.3	0.0	-23.2	6.0	8.0	9.1	50 30	30	30	30	30	30
Naphthalene	-4.4 -2.6	0.5	-4.3	0.9	6.2	3.6	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	2.9 2.8	0.0	-11.1	1.9	2.4	1.2	50 30	30	30	30	30	30
2-Methylnaphthalene	0.5 7.0	-5.1	-15.4	-0.9	8.9	5.0	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	0.6 -3.0	0.8	2.2	0.7	0.2	-1.5	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-0.5 0.1	0.2	0.8	0.2	1.3	-2.1	50 30	30	30	30	30	30
Toluene-d8 (Surr)	1.8 -1.0	1.4	0.2	0.2	-1.0	-1.6	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	2.4 -0.2	0.9	-2.0	0.0	0.1	-1.3	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Sep-2025 22:39:28 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0160533-012
Misc. Info.: IC V1
Operator ID: kas02648 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub47

Method: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 23-Sep-2025 09:35:29 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: UKEK Date: 23-Sep-2025 09:30:45

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.984					ND	
2	Dichlorodifluoromethane	85	2.025	2.025	0.000	34	13693	1.00	0.7725	
3	Chlorodifluoromethane	51		2.041					ND	U
4	Chloromethane	50	2.228	2.231	-0.003	99	13287	1.00	1.05	
5	Butadiene	39	2.344	2.350	-0.006	86	7297	1.00	0.8887	M
6	Vinyl chloride	62	2.357	2.363	-0.006	96	11720	1.00	0.9124	
7	2-Chloro-1,1,1-Trifluoroethane	118		2.443					ND	
8	Bromomethane	94	2.701	2.704	-0.003	81	9668	1.00	0.9683	
9	Chloroethane	64	2.797	2.810	-0.013	51	6062	1.00	1.03	M
10	Dichlorofluoromethane	67	3.061	3.074	-0.013	96	16021	1.00	0.9517	
11	Trichlorofluoromethane	101	3.125	3.141	-0.016	48	13478	1.00	0.7844	M
12	Pentane	43	3.180	3.176	0.004	89	8017	1.00	1.01	
13	Ethanol	45	3.276	3.328	-0.052	69	4658	62.5	55.2	
15	1,2-Dichloro-1,1,2-trifluoroetha	67	3.501	3.511	-0.010	34	6858	1.00	0.8934	M
16	Acrolein	56	3.607	3.607	0.000	99	13704	6.71	9.85	
17	1,1-Dichloroethene	96	3.742	3.752	-0.010	95	6345	1.00	1.07	M
18	1,1,2-Trichloro-1,2,2-trifluoroe	101	3.775	3.791	-0.016	40	8016	1.00	0.9377	M
19	Acetone	58	3.797	3.794	0.003	44	1449	1.38	2.06	
20	Iodomethane	142	3.948	3.964	-0.016	99	13432	1.00	0.9516	
21	Isopropyl alcohol	45	3.990	3.984	0.006	30	5472	5.00	6.20	M
22	Carbon disulfide	76	4.070	4.070	0.000	95	19320	1.00	0.9783	
24	Methyl acetate	43	4.250	4.254	-0.004	55	5543	1.00	1.24	M
25	3-Chloro-1-propene	41	4.276	4.283	-0.007	90	6480	1.00	0.9397	M
26	Methylene Chloride	84	4.476	4.485	-0.009	38	6449	1.00	1.00	M
* 27	t-Butyl alcohol-d10 (IS)	65	4.498	4.530	-0.032	32	305558	250.0	250.0	
28	2-Methyl-2-propanol	59	4.697	4.665	0.032	32	6331	5.00	4.90	M
29	Acrylonitrile	53	4.849	4.861	-0.013	18	6457	2.50	2.59	M
32	Methyl tert-butyl ether	73	4.913	4.910	0.003	68	20566	1.00	1.02	M
31	trans-1,2-Dichloroethene	96	4.916	4.913	0.003	96	6980	1.00	1.06	M
33	Hexane	57	5.350	5.347	0.003	77	7196	1.00	0.9672	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	5.585	5.591	-0.006	95	9873	1.00	0.99	M
36 Isopropyl ether	45	5.643	5.652	-0.009	81	16128	1.00	1.00	
37 2-Chloro-1,3-butadiene	53	5.688	5.697	-0.009	87	7804	1.00	0.9363	M
S 38 1,2-Dichloroethene, Total	100				0			2.12	
39 Tert-butyl ethyl ether	59	6.170	6.186	-0.016	98	16924	1.00	0.9462	M
40 2-Butanone (MEK)	43	6.382	6.401	-0.019	88	7058	1.38	2.21	M
41 cis-1,2-Dichloroethene	96	6.430	6.424	0.006	42	8002	1.00	1.06	M
43 2,2-Dichloropropane	77	6.434	6.443	-0.009	60	11085	1.00	0.99	M
44 Propionitrile	54	6.479	6.508	-0.029	55	5702	5.00	5.11	M
45 Methyl acrylate	55	6.517	6.524	-0.007	64	6752	1.00	1.02	M
46 Methacrylonitrile	67	6.701	6.713	-0.012	73	7087	2.50	2.61	M
47 Chlorobromomethane	128	6.752	6.752	0.000	64	4033	1.00	0.9774	M
48 Tetrahydrofuran	71	6.765	6.768	-0.003	78	5334	5.00	5.15	M
49 Chloroform	83	6.890	6.906	-0.016	68	14760	1.00	1.20	M
$ 50 Dibromofluoromethane (Surr)	113	7.106	7.115	-0.009	95	305986	50.0	50.3	
51 1,1,1-Trichloroethane	97	7.122	7.128	-0.006	41	12168	1.00	0.9616	
52 Cyclohexane	56	7.202	7.215	-0.013	87	10000	1.00	0.9267	
53 Carbon tetrachloride	117	7.308	7.334	-0.026	59	11236	1.00	0.9483	M
54 1,1-Dichloropropene	75	7.324	7.334	-0.010	88	7749	1.00	0.9460	
55 Isobutyl alcohol	41	7.508	7.495	0.013	29	5495	12.5	15.4	M
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.562	7.575	-0.013	92	68230	50.0	49.8	
57 Benzene	78	7.585	7.594	-0.009	92	23748	1.00	0.9754	M
59 1,2-Dichloroethane	62	7.662	7.675	-0.013	96	8242	1.00	1.04	
60 Tert-amyl methyl ether	73	7.778	7.787	-0.009	96	17960	1.00	0.99	M
* 62 Fluorobenzene (IS)	96	7.990	7.999	-0.009	100	1070287	50.0	50.0	
63 n-Heptane	43	7.993	8.000	-0.007	37	6756	1.00	1.08	
64 n-Butanol	56	8.356	8.356	0.000	73	2988	12.5	11.0	
65 Trichloroethene	95	8.453	8.463	-0.010	75	7238	1.00	1.01	M
66 Ethyl acrylate	55	8.575	8.585	-0.010	97	7506	1.00	0.9798	
67 Methylcyclohexane	83	8.771	8.768	0.003	81	12389	1.00	0.9578	
68 2-ethoxy-2-methyl butane	87	8.791	8.803	-0.012	93	9371	1.00	0.9595	
69 1,2-Dichloropropane	63	8.794	8.803	-0.009	69	5676	1.00	0.9886	M
70 Methyl methacrylate	69	8.874	8.881	-0.007	63	4372	1.00	0.9776	
71 1,4-Dioxane	88	8.897	8.900	-0.003	1	870	12.5	9.24	M
72 Dibromomethane	93	8.903	8.909	-0.006	90	4232	1.00	0.99	
74 Dichlorobromomethane	83	9.138	9.138	0.000	97	8168	1.00	0.9610	
75 2-Nitropropane	41	9.401	9.411	-0.010	97	8766	5.00	4.93	
76 2-Chloroethyl vinyl ether	63	9.479	9.485	-0.006	90	3642	1.00	1.00	M
77 cis-1,3-Dichloropropene	75	9.649	9.659	-0.010	96	7729	1.00	0.8527	
78 4-Methyl-2-pentanone (MIBK)	43	9.819	9.826	-0.007	94	12044	1.38	1.68	
$ 79 Toluene-d8 (Surr)	98	9.945	9.951	-0.006	93	1066227	50.0	50.9	
118 Toluene	92	10.019	10.025	-0.006	99	16378	1.00	1.01	
S 119 1,3-Dichloropropene, Total	100				0			1.82	
120 trans-1,3-Dichloropropene	75	10.263	10.266	-0.003	91	7924	1.00	0.9690	M
121 Ethyl methacrylate	69	10.321	10.324	-0.003	86	7206	1.00	0.9351	
122 1,1,2-Trichloroethane	97	10.463	10.466	-0.003	72	5627	1.00	0.9859	M
123 Tetrachloroethene	166	10.536	10.543	-0.007	96	8525	1.00	0.9372	
124 1,3-Dichloropropane	76	10.617	10.623	-0.006	88	8520	1.00	1.00	M
126 2-Hexanone	43	10.665	10.671	-0.006	96	8680	1.38	1.81	
128 Chlorodibromomethane	129	10.823	10.826	-0.003	89	6622	1.00	0.8913	
129 Ethylene Dibromide	107	10.938	10.938	0.000	96	5972	1.00	0.9724	
S 130 Xylenes, Total	106				0			2.82	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 131 Chlorobenzene-d5 (IS)	117	11.350	11.353	-0.003	83	853006	50.0	50.0	
132 1-Chlorohexane	91	11.353	11.356	-0.003	34	10055	1.00	1.09	
133 Chlorobenzene	112	11.376	11.379	-0.003	93	18443	1.00	0.9605	
134 1,1,1,2-Tetrachloroethane	131	11.456	11.456	0.000	70	8202	1.00	0.9665	
135 Ethylbenzene	91	11.459	11.459	0.000	98	32087	1.00	1.00	
136 m-Xylene & p-Xylene	106	11.572	11.572	0.000	99	24183	2.00	1.90	
137 n-Butyl acrylate	55	11.835	11.835	0.000	97	10204	1.00	0.9505	
138 o-Xylene	106	11.890	11.890	0.000	96	12288	1.00	0.9236	
139 Styrene	104	11.903	11.906	-0.003	92	18515	1.00	0.9153	
140 Bromoform	173	12.064	12.061	0.004	94	3965	1.00	0.7156	
141 Isopropylbenzene	105	12.183	12.186	-0.003	95	34319	1.00	0.9339	
143 Cyclohexanone	55	12.270	12.270	0.000	89	15326	50.0	47.4	
$ 144 4-Bromofluorobenzene (Surr)	95	12.324	12.324	0.000	97	405047	50.0	51.2	
145 1,1,2,2-Tetrachloroethane	83	12.424	12.424	0.000	96	9285	1.00	0.99	
146 Bromobenzene	156	12.443	12.443	0.000	90	9171	1.00	0.9357	
147 trans-1,4-Dichloro-2-butene	53	12.453	12.450	0.003	84	5504	2.50	2.35	
148 1,2,3-Trichloropropane	110	12.472	12.472	0.000	79	2998	1.00	0.9382	M
149 N-Propylbenzene	91	12.504	12.504	0.000	98	38599	1.00	0.9375	
150 2-Chlorotoluene	126	12.581	12.581	0.000	98	8735	1.00	0.9316	
151 1,3,5-Trimethylbenzene	105	12.633	12.636	-0.003	94	29481	1.00	0.9082	
152 4-Chlorotoluene	126	12.678	12.675	0.003	95	8446	1.00	0.9400	M
154 tert-Butylbenzene	134	12.871	12.877	-0.006	91	6744	1.00	0.9369	M
155 1,2,4-Trimethylbenzene	105	12.916	12.919	-0.003	96	30869	1.00	0.9326	
157 sec-Butylbenzene	105	13.035	13.038	-0.003	94	37478	1.00	0.9125	
158 1,3-Dichlorobenzene	146	13.134	13.138	-0.004	74	17952	1.00	0.9761	
159 4-Isopropyltoluene	119	13.141	13.141	0.000	97	34331	1.00	0.9284	
* 160 1,4-Dichlorobenzene-d4	152	13.189	13.189	0.000	94	532520	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.205	13.208	-0.003	96	18268	1.00	1.00	a
162 1,2,3-Trimethylbenzene	105	13.218	13.218	0.000	96	30534	1.00	0.9087	
163 Benzyl chloride	91	13.282	13.286	-0.004	98	15675	1.00	0.9413	
164 1,3-Diethylbenzene	119	13.340	13.340	0.000	97	19754	1.00	0.9728	
165 p-Diethylbenzene	119	13.408	13.411	-0.003	94	20843	1.00	0.9800	
166 n-Butylbenzene	92	13.427	13.430	-0.003	97	15771	1.00	1.00	
167 1,2-Dichlorobenzene	146	13.466	13.466	0.000	99	17844	1.00	0.9749	
168 o-diethylbenzene	119	13.479	13.482	-0.003	92	17738	1.00	0.9744	
170 1,2-Dibromo-3-Chloropropane	75	14.006	14.003	0.003	89	2789	1.00	1.11	
171 1,3,5-Trichlorobenzene	180	14.125	14.122	0.003	97	15128	1.00	1.00	
172 1,2,4-Trichlorobenzene	180	14.543	14.543	0.000	94	13430	1.00	0.9553	
173 2-Ethylhexyl acrylate	55	14.594	14.597	-0.003	83	9967	1.00	0.9047	
174 Hexachlorobutadiene	225	14.623	14.623	0.000	94	5344	1.00	0.9171	
175 Naphthalene	128	14.729	14.729	0.000	96	39948	1.00	0.9564	
176 1,2,3-Trichlorobenzene	180	14.874	14.871	0.003	95	14813	1.00	1.03	
177 2-Methylnaphthalene	142	15.520	15.517	0.003	91	24583	1.00	1.00	
S 238 Total Diethylbenzene	1				0			2.93	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_4ppbEtoh_00802	Amount Added:	12.50	Units: mL	
MSV_Cent_ISSS_00044	Amount Added:	5.00	Units: uL	Run Reagent
MSV_V_SMFreon_00052	Amount Added:	0.00	Units:	Run Reagent

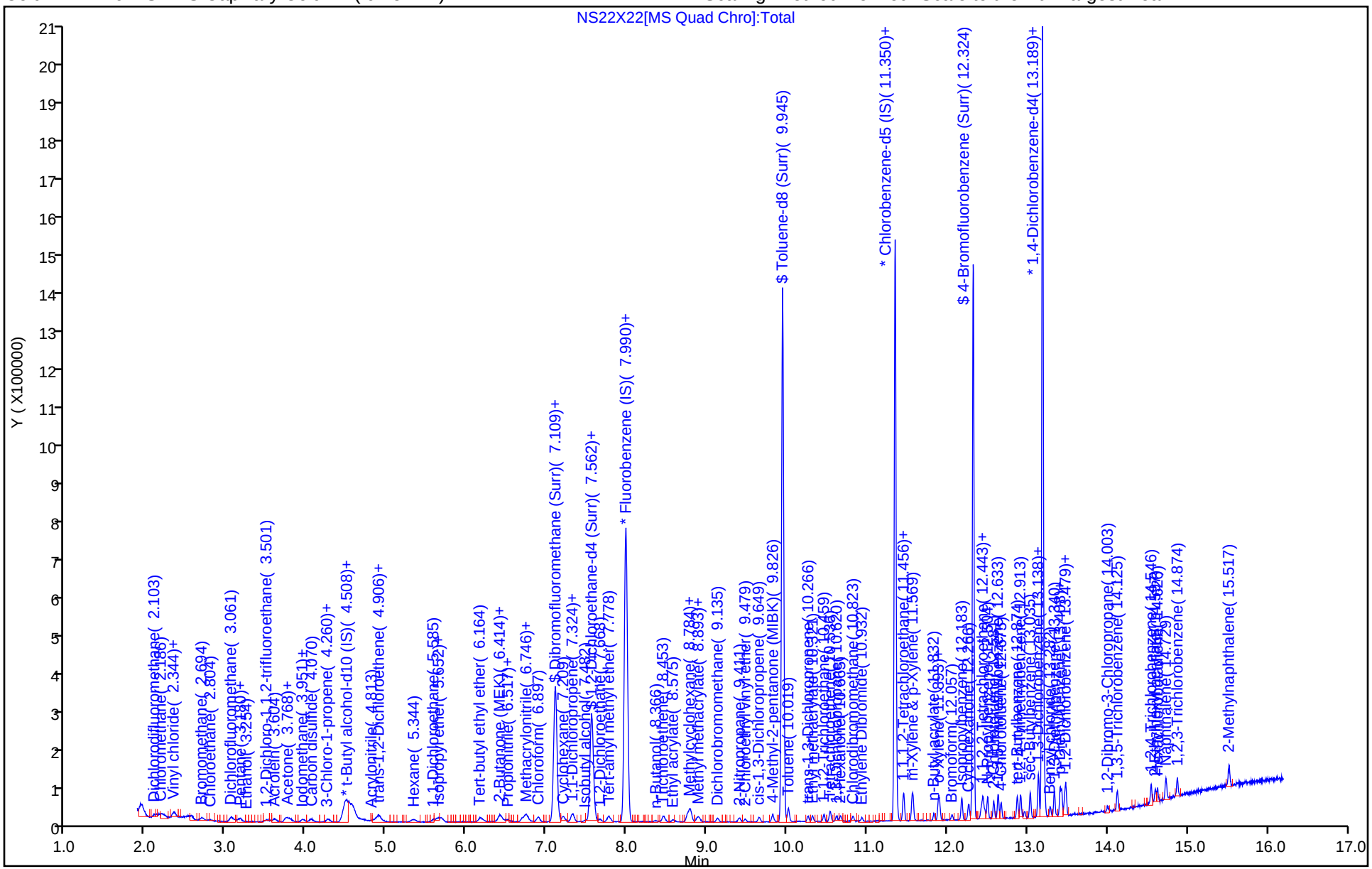
Report Date: 23-Sep-2025 09:35:31 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D

Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159	Operator ID:	kas02648
Lims ID:	IC v1			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

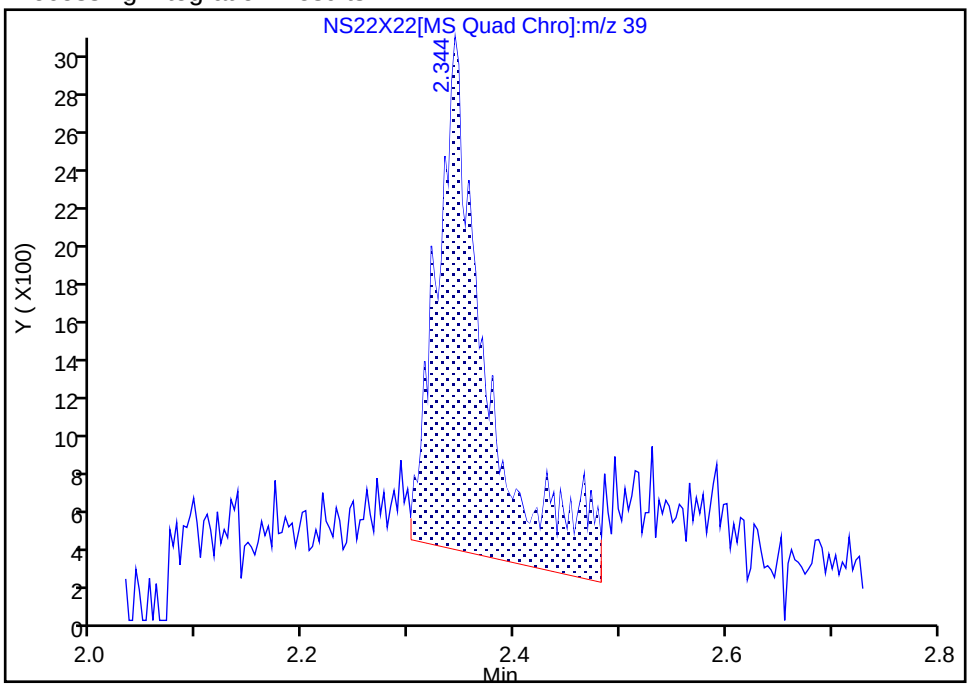
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

5 Butadiene, CAS: 106-99-0

Signal: 1

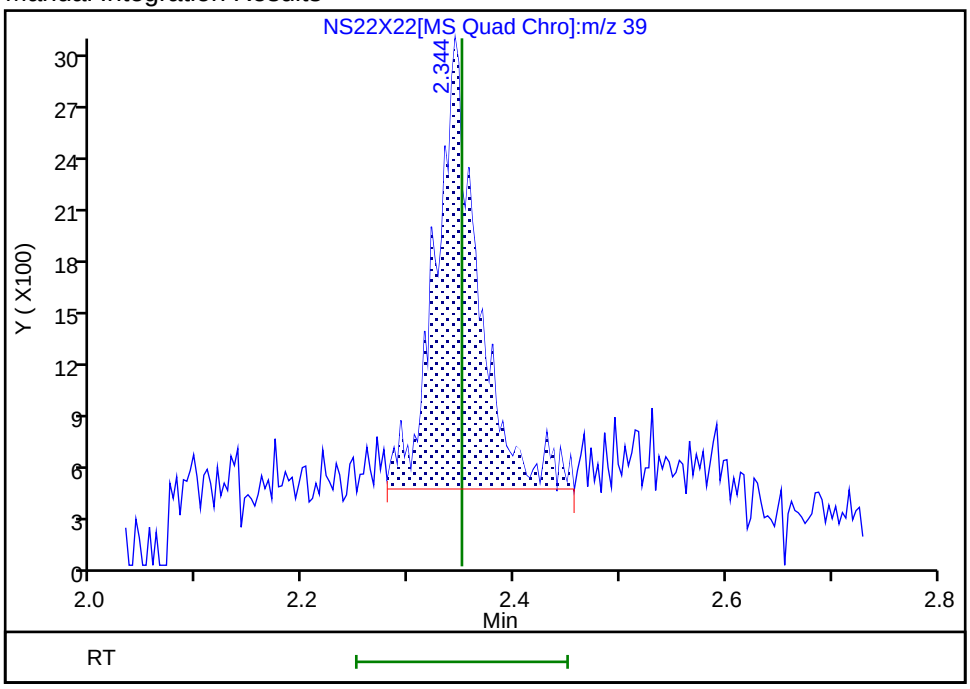
Processing Integration Results

RT: 2.34
Area: 8655
Amount: 1.029816
Amount Units: ug/l



Manual Integration Results

RT: 2.34
Area: 7297
Amount: 0.888749
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:16:56 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

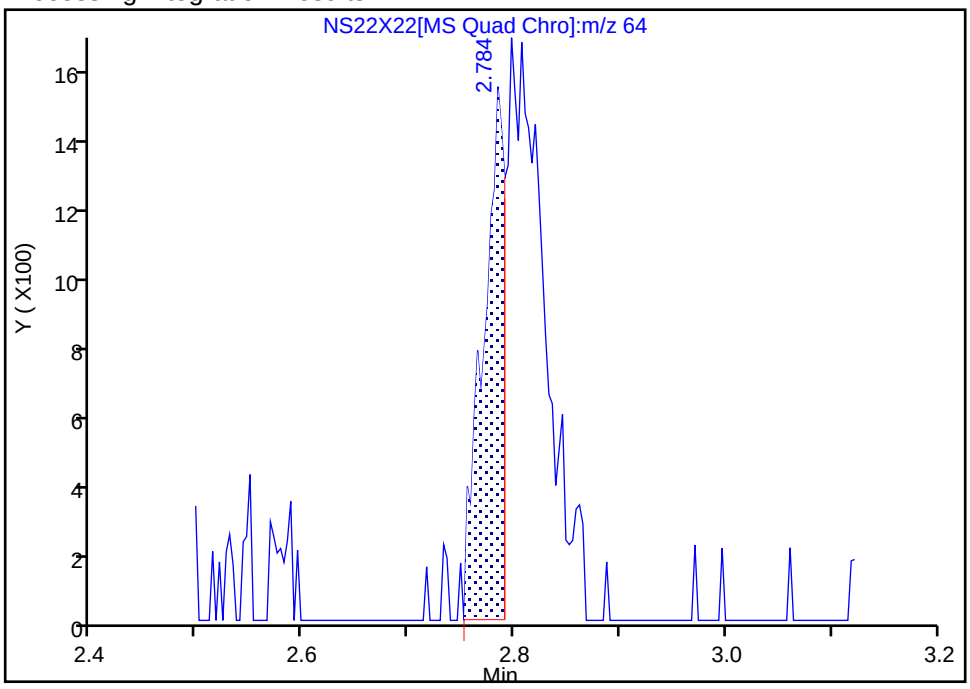
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

9 Chloroethane, CAS: 75-00-3

Signal: 1

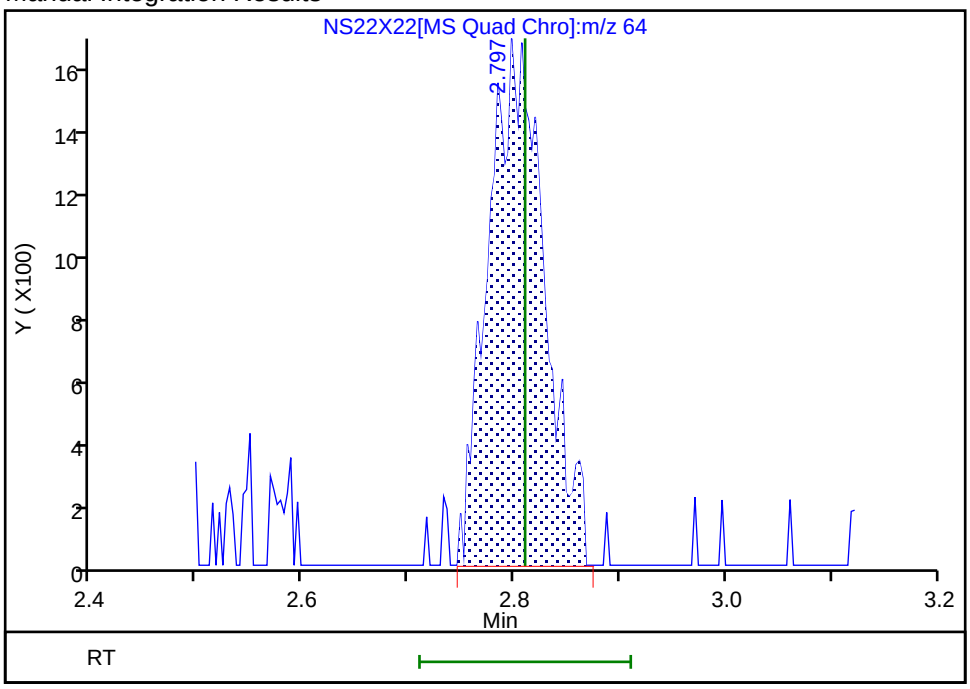
Processing Integration Results

RT: 2.78
Area: 2106
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 2.80
Area: 6062
Amount: 1.026779
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:14:56 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

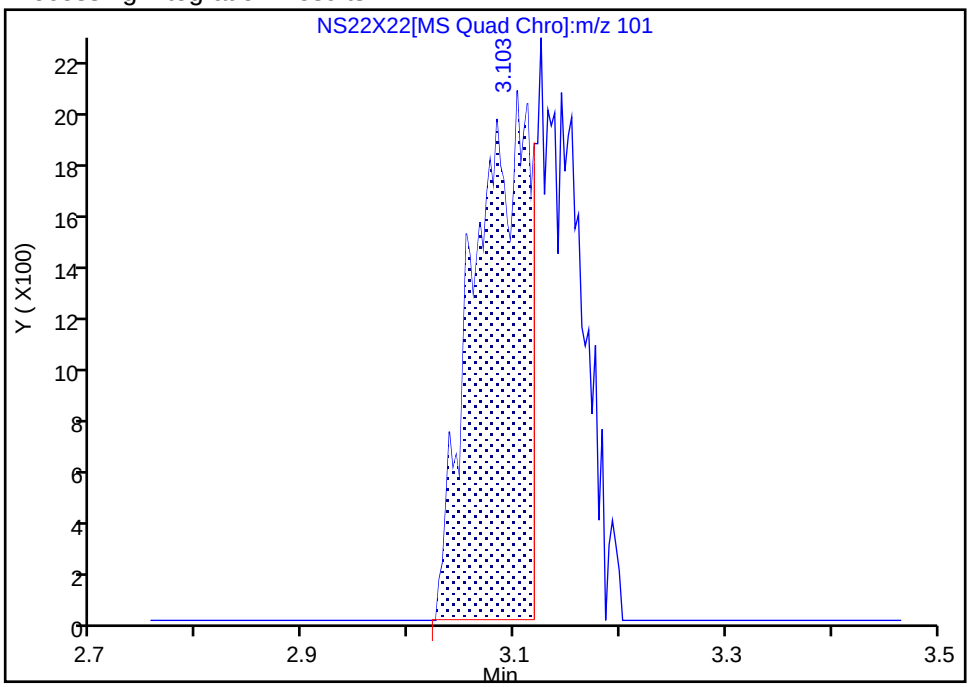
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

11 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

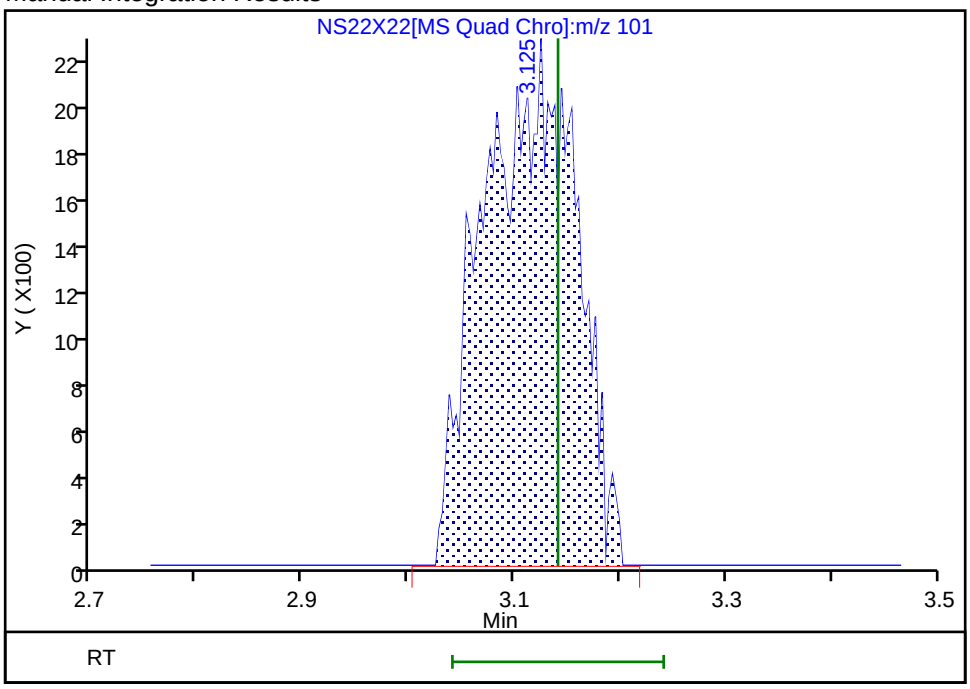
Processing Integration Results

RT: 3.10
Area: 7503
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.13
Area: 13478
Amount: 0.784415
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:15:00 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

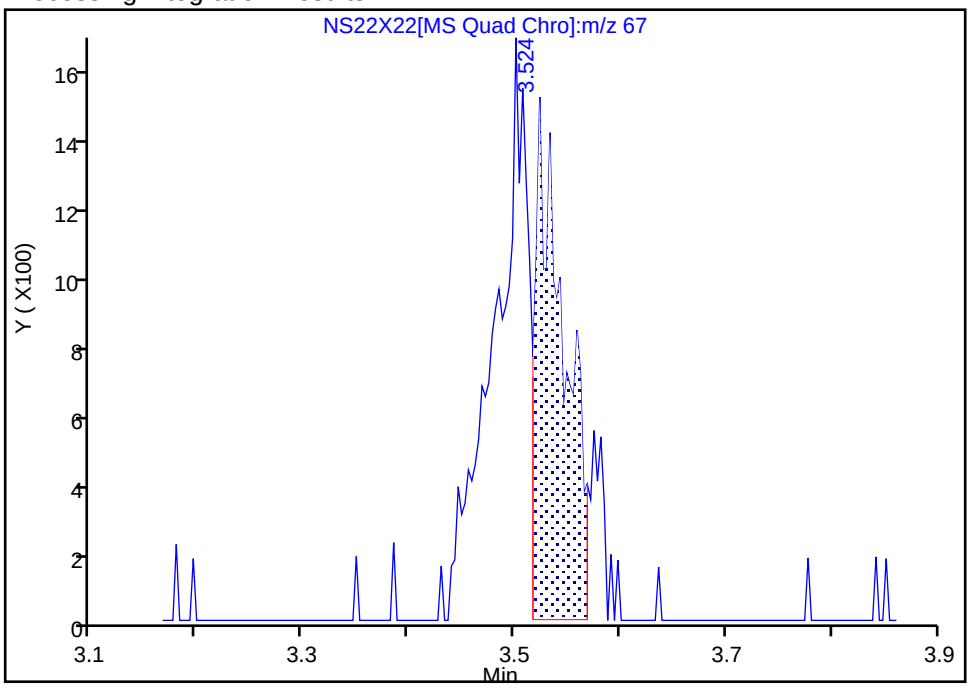
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

15 1,2-Dichloro-1,1,2-trifluoroetha, CAS: 354-23-4

Signal: 1

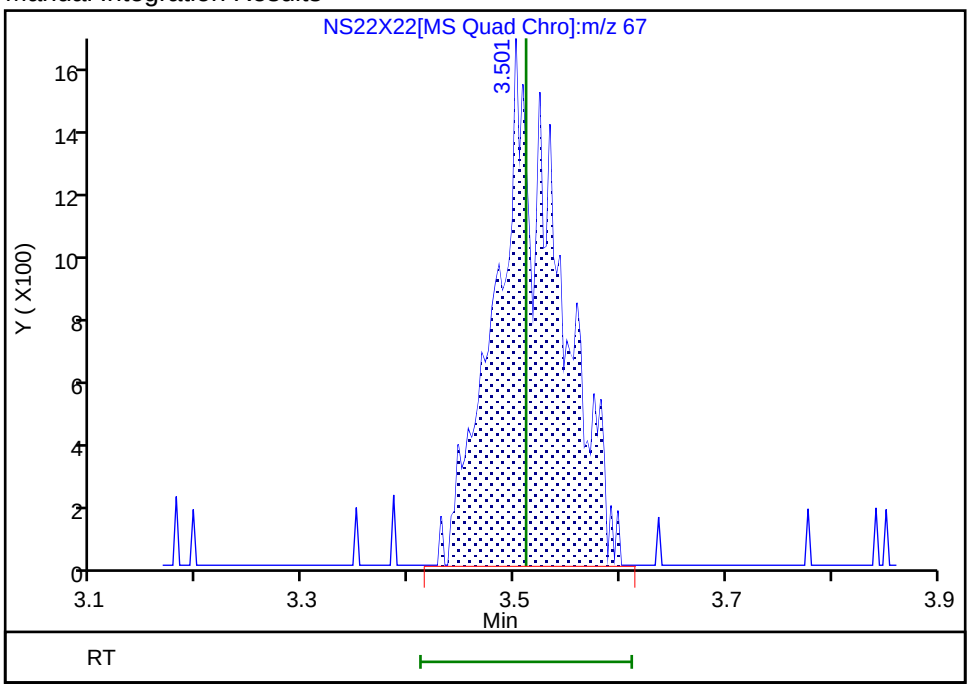
Processing Integration Results

RT: 3.52
Area: 2800
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.50
Area: 6858
Amount: 0.893414
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:15:06 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

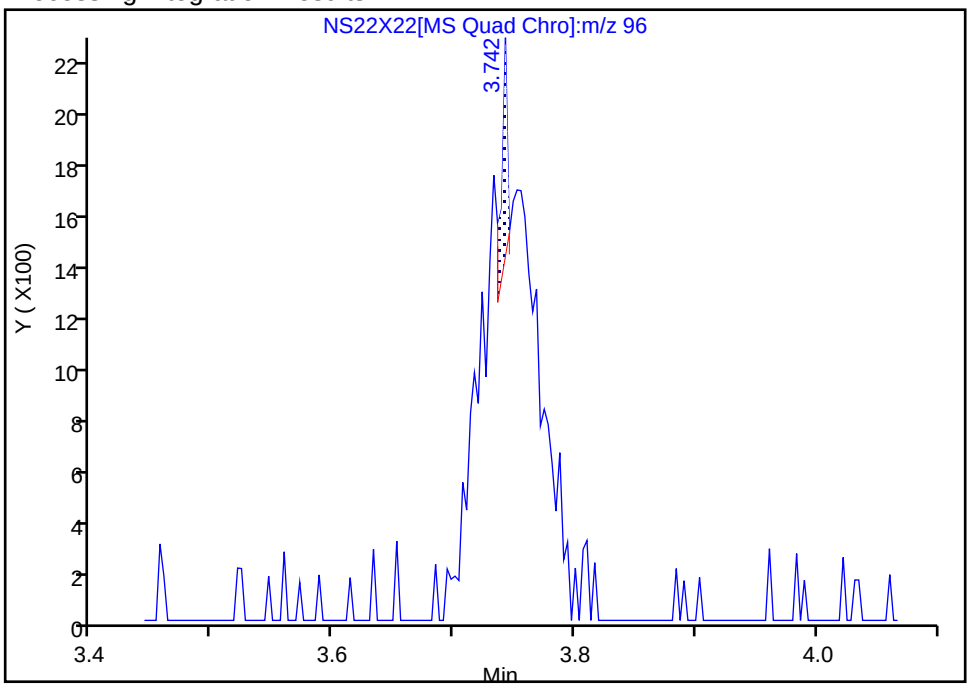
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

17 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

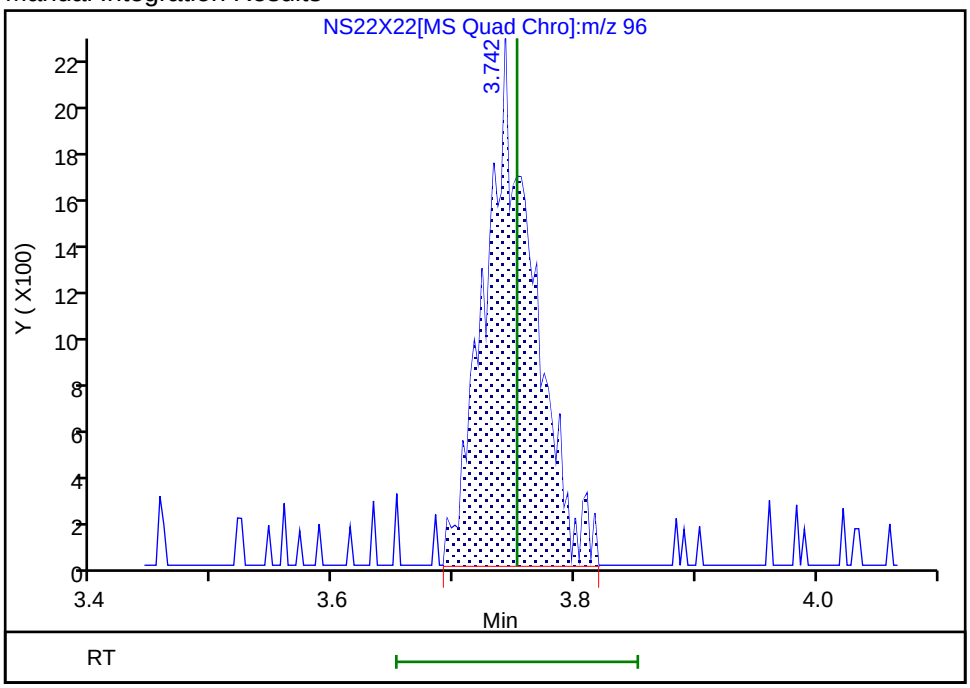
Processing Integration Results

RT: 3.74
Area: 277
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.74
Area: 6345
Amount: 1.073772
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:15:14 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

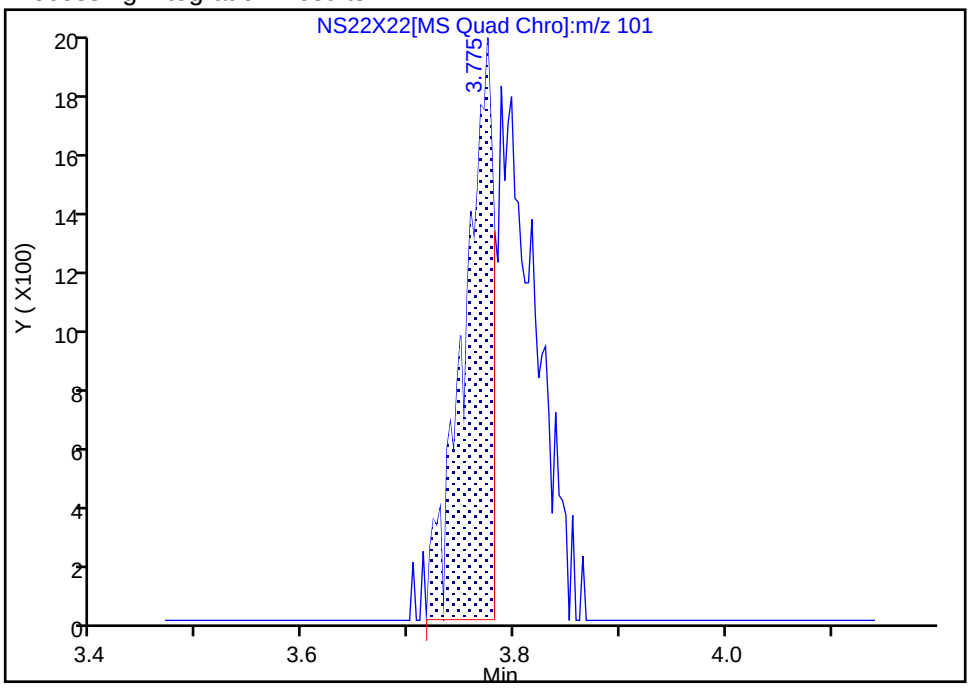
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

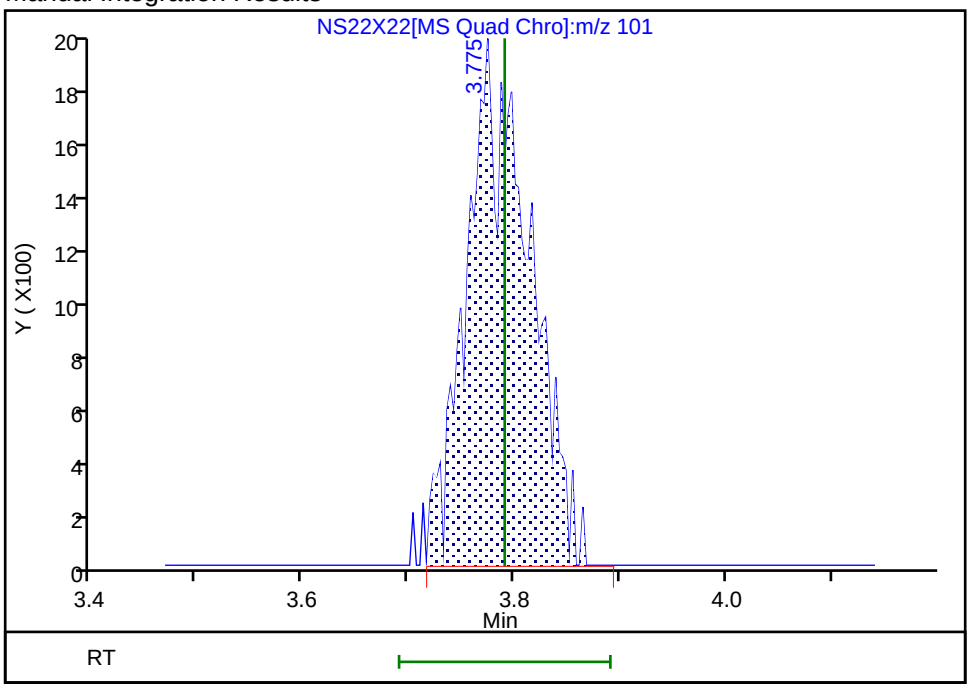
Processing Integration Results

RT: 3.77
Area: 3658
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.77
Area: 8016
Amount: 0.937706
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:15:19 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

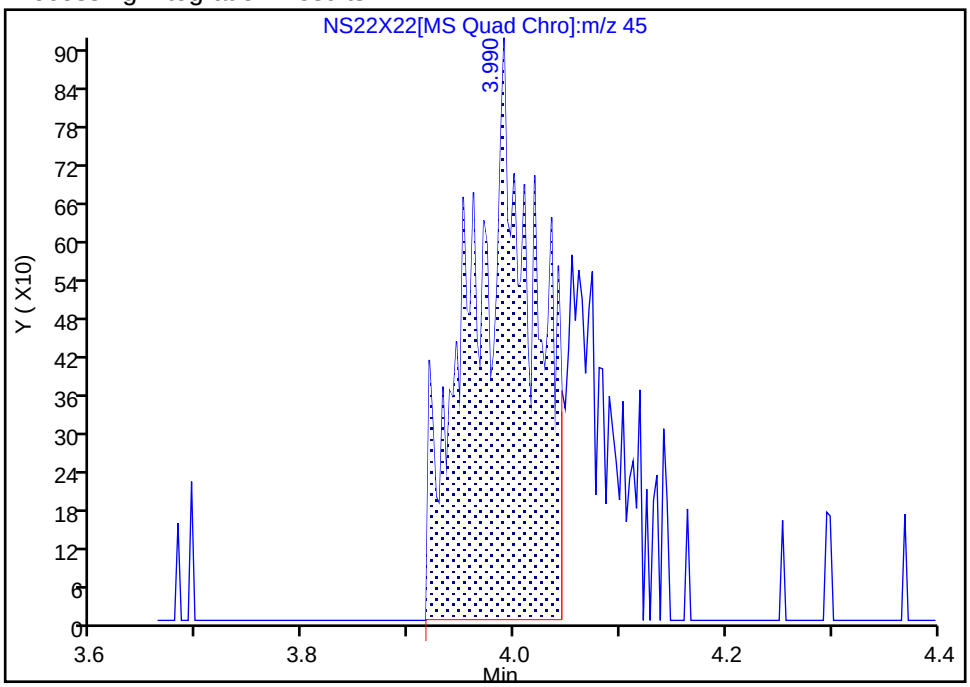
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

21 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

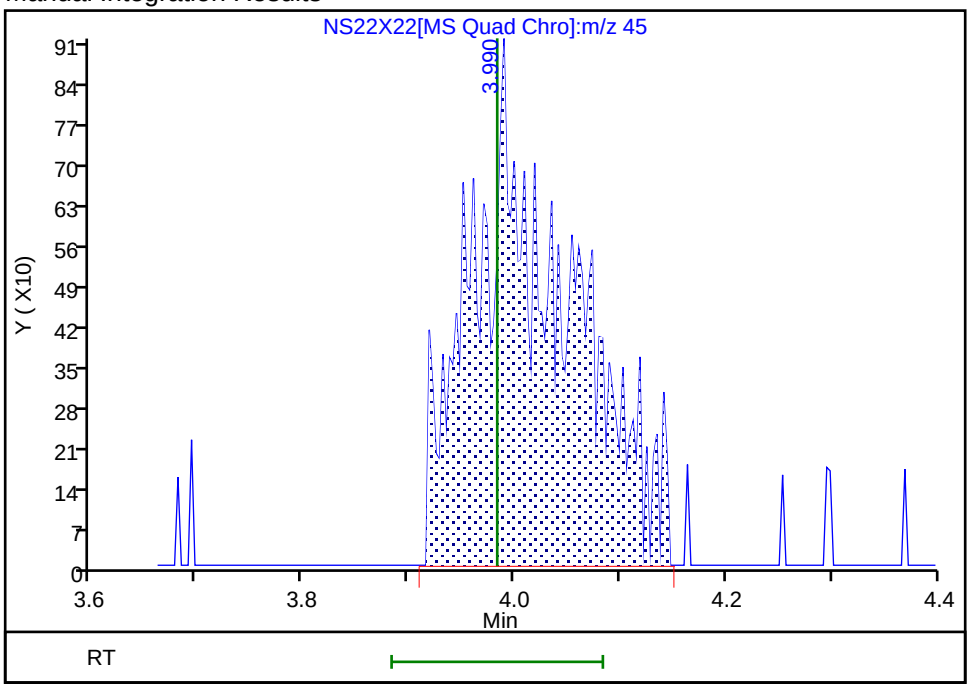
Processing Integration Results

RT: 3.99
Area: 3704
Amount: 4.628023
Amount Units: ug/l



Manual Integration Results

RT: 3.99
Area: 5472
Amount: 6.195694
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:15:13 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

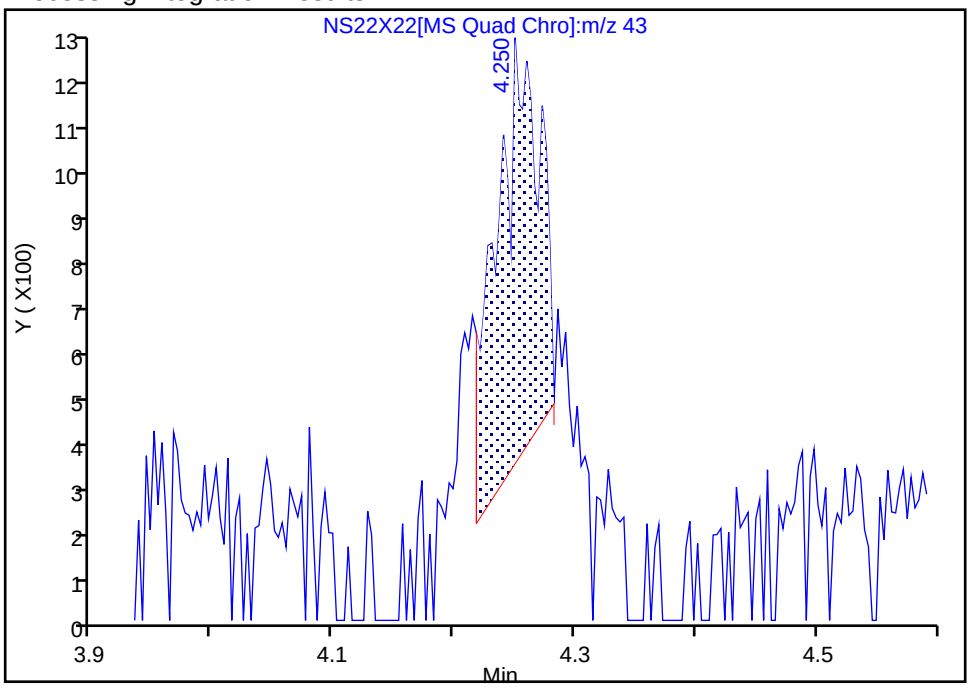
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

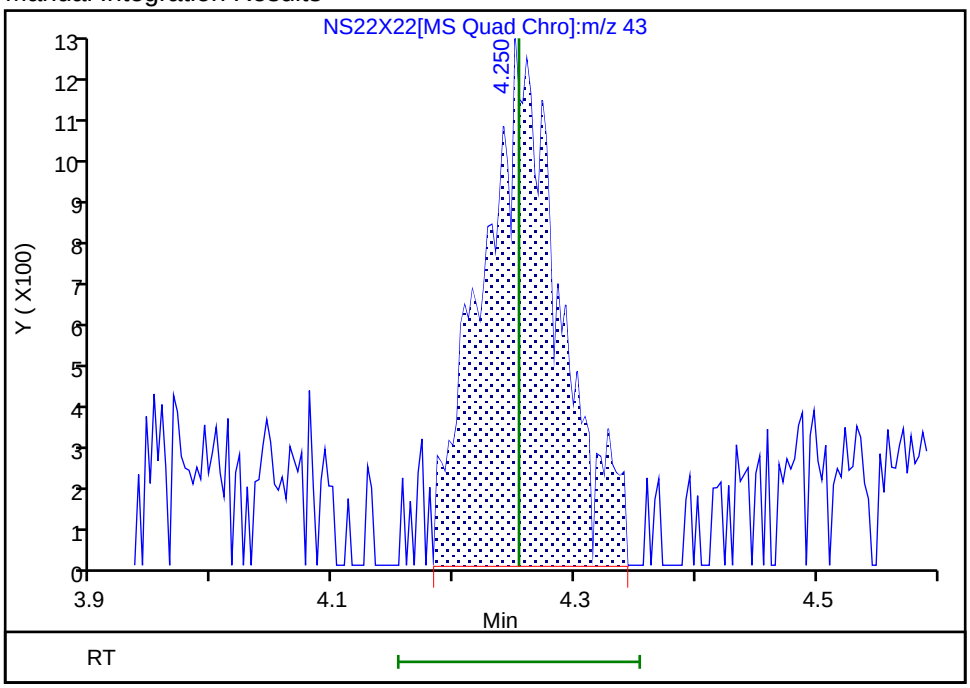
Processing Integration Results

RT: 4.25
Area: 2244
Amount: 0.541538
Amount Units: ug/l



Manual Integration Results

RT: 4.25
Area: 5543
Amount: 1.244370
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:15:18 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

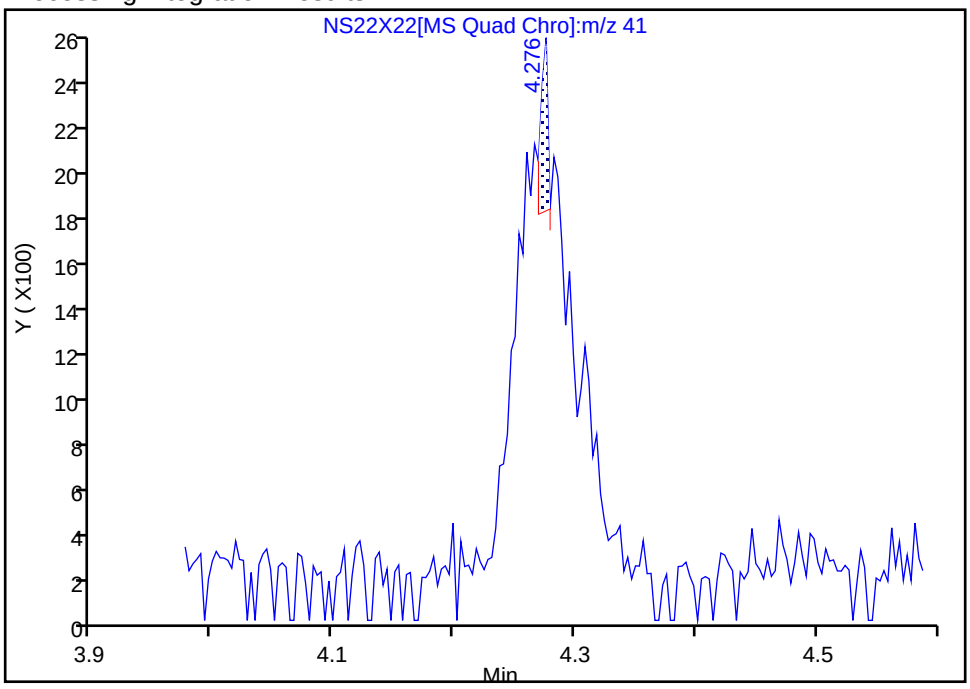
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

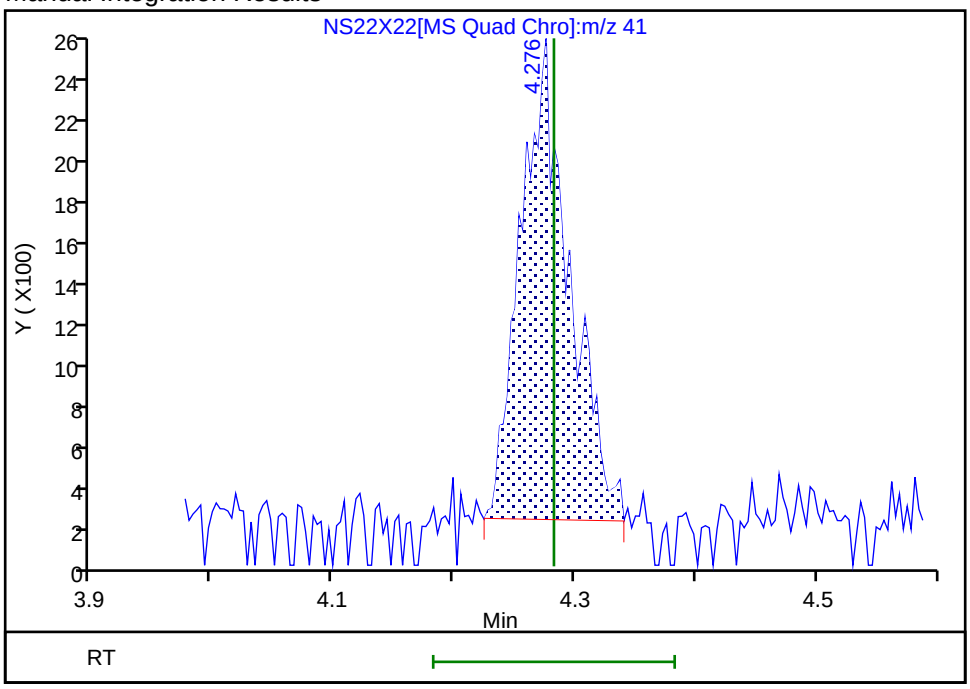
Processing Integration Results

RT: 4.28
Area: 298
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 4.28
Area: 6480
Amount: 0.939677
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:15:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

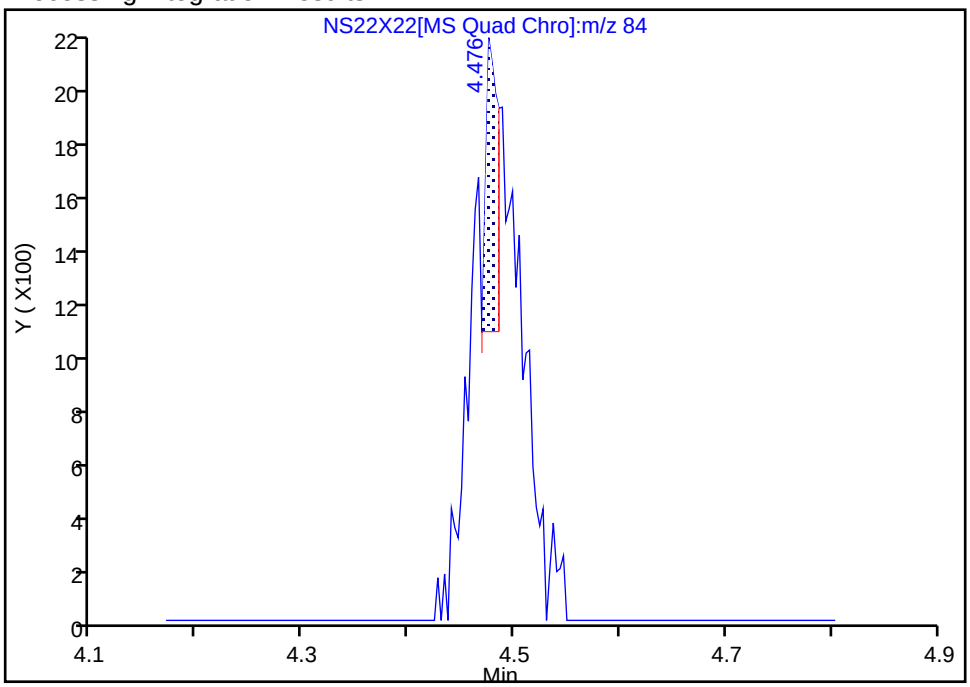
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methylene Chloride, CAS: 75-09-2

Signal: 1

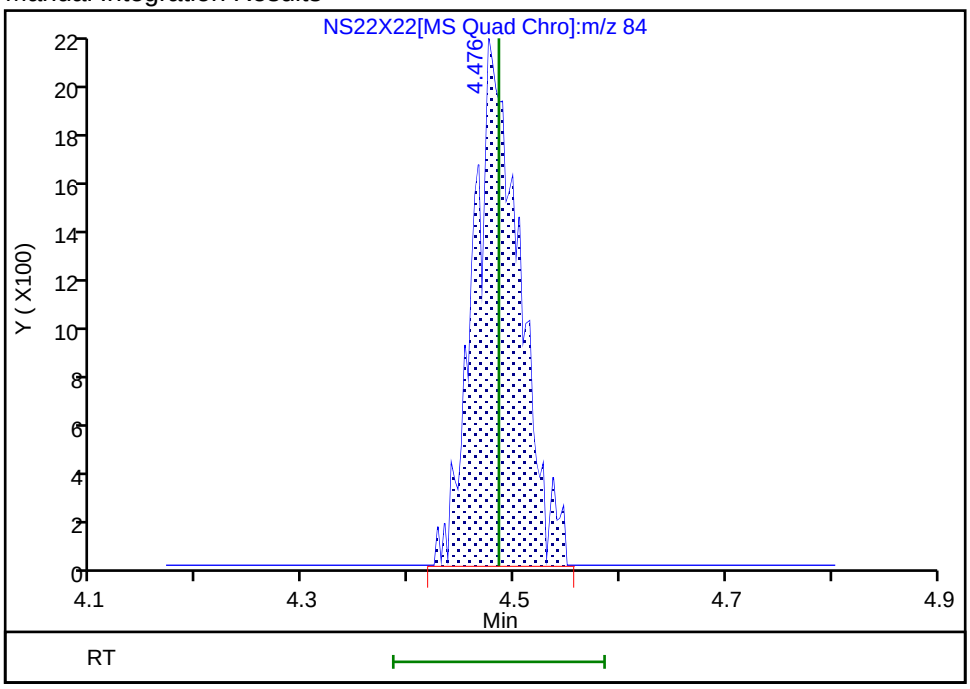
Processing Integration Results

RT: 4.48
Area: 835
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 4.48
Area: 6449
Amount: 0.998386
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:15:31 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

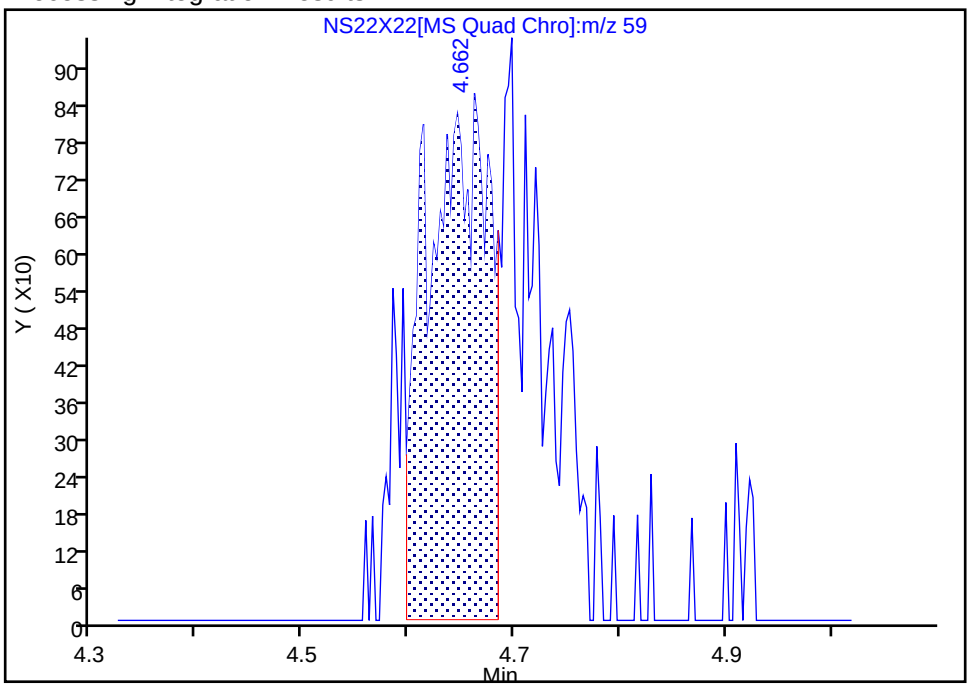
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

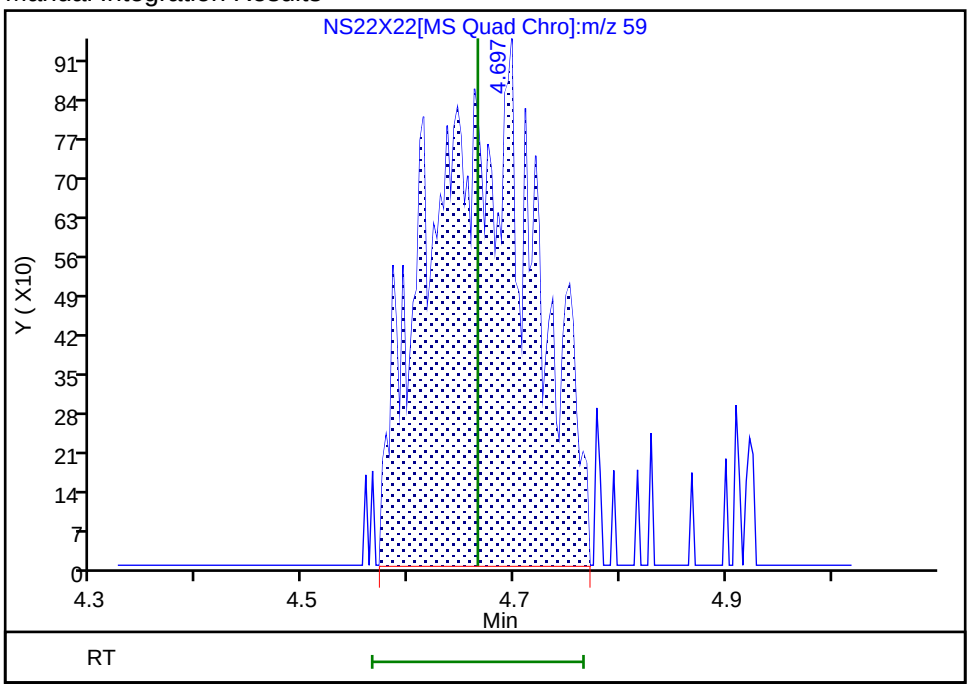
Processing Integration Results

RT: 4.66
Area: 3459
Amount: 5.000000
Amount Units: ug/l



Manual Integration Results

RT: 4.70
Area: 6331
Amount: 4.904764
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:15:37 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

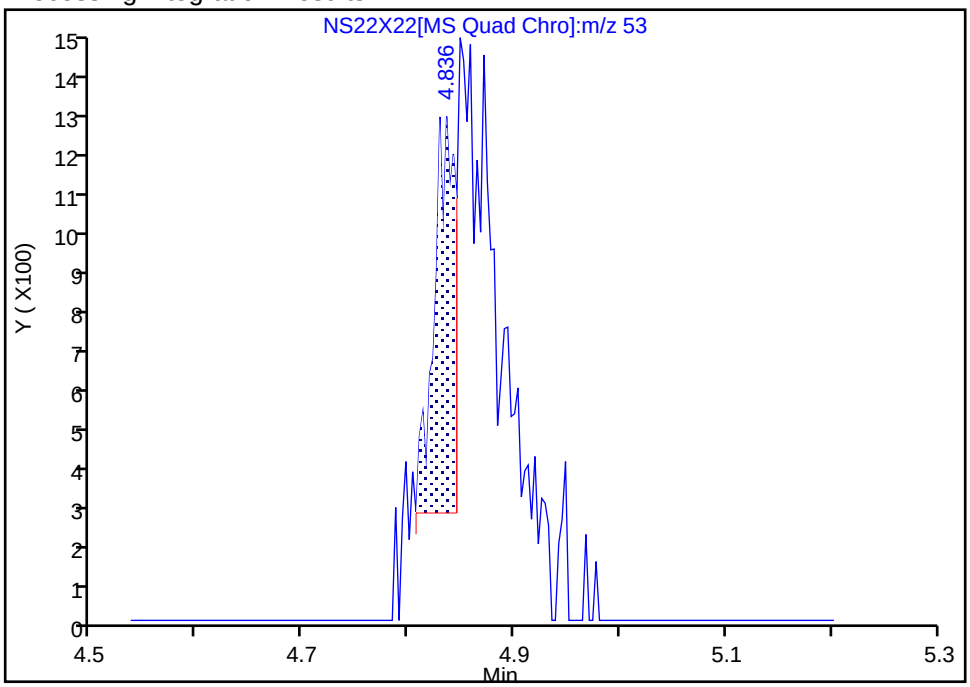
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

29 Acrylonitrile, CAS: 107-13-1

Signal: 1

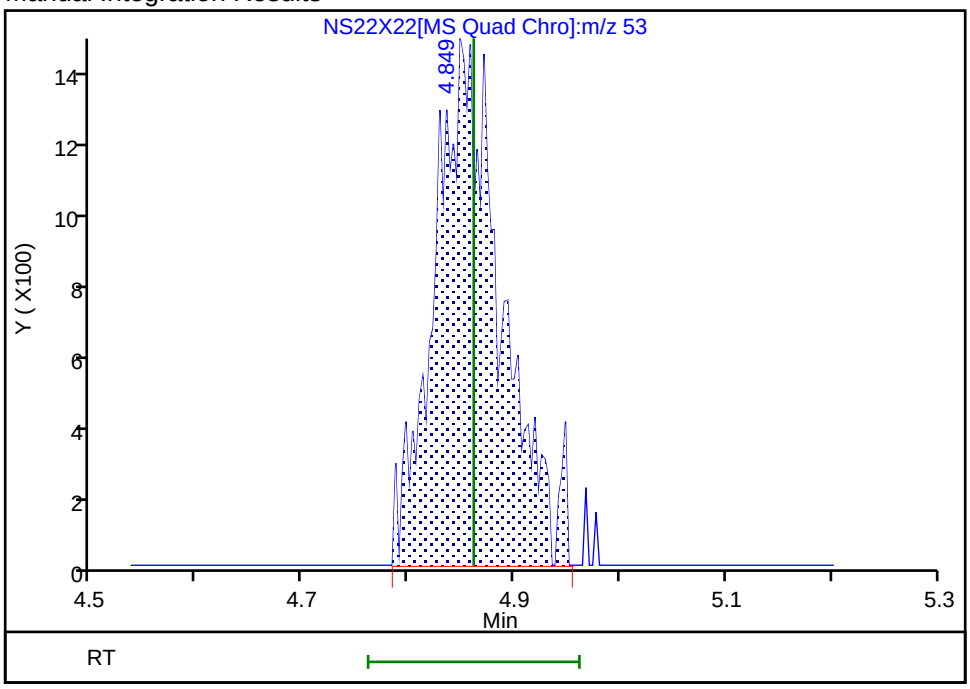
Processing Integration Results

RT: 4.84
Area: 1385
Amount: 2.500000
Amount Units: ug/l



Manual Integration Results

RT: 4.85
Area: 6457
Amount: 2.592786
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:15:43 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

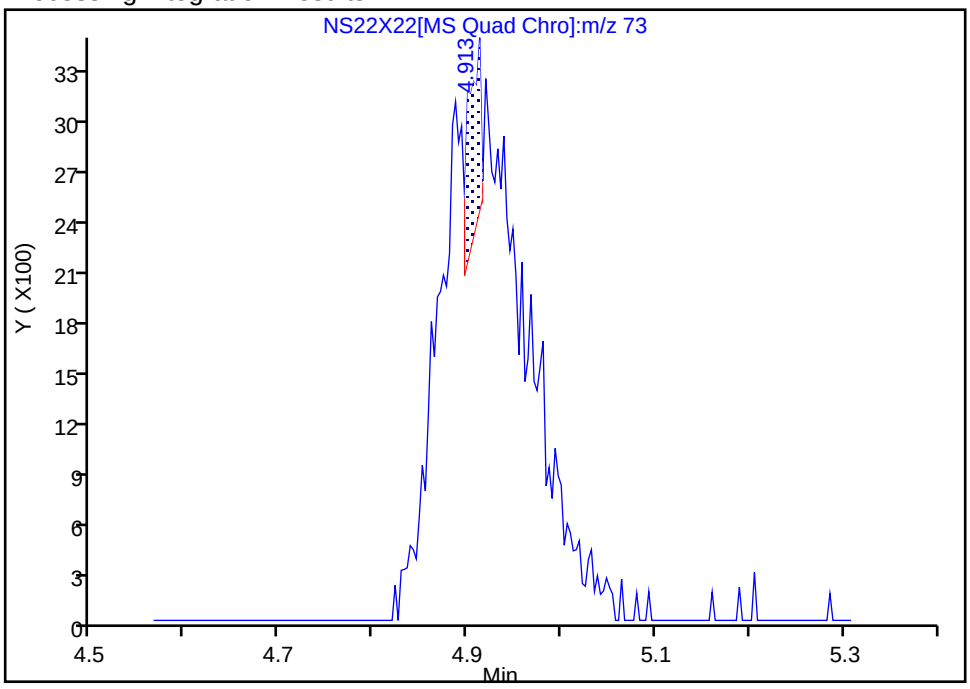
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

32 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

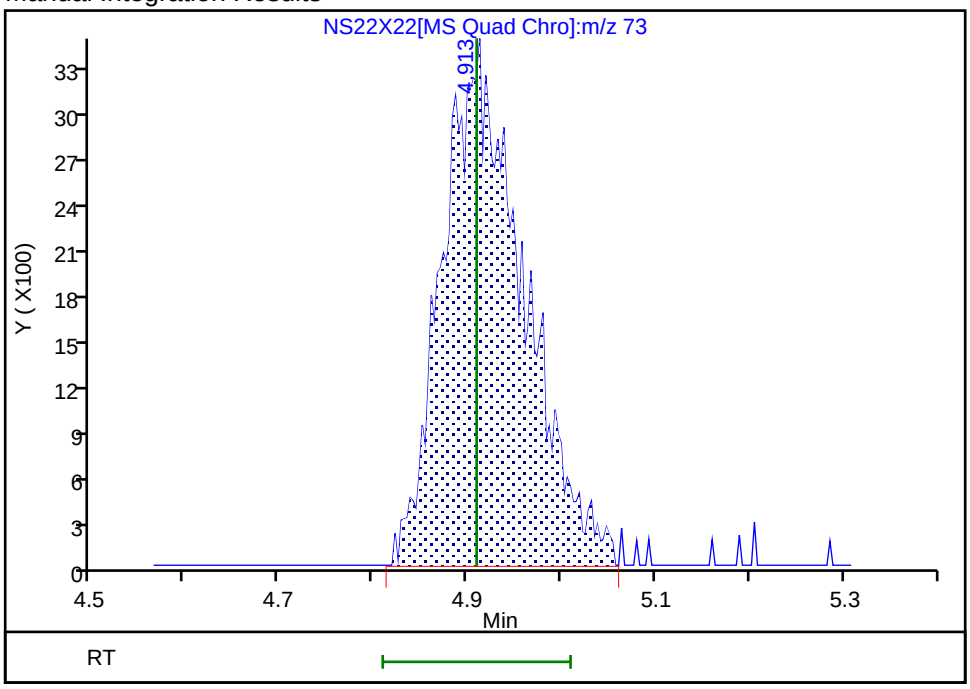
Processing Integration Results

RT: 4.91
Area: 1018
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 4.91
Area: 20566
Amount: 1.018326
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:15:53 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

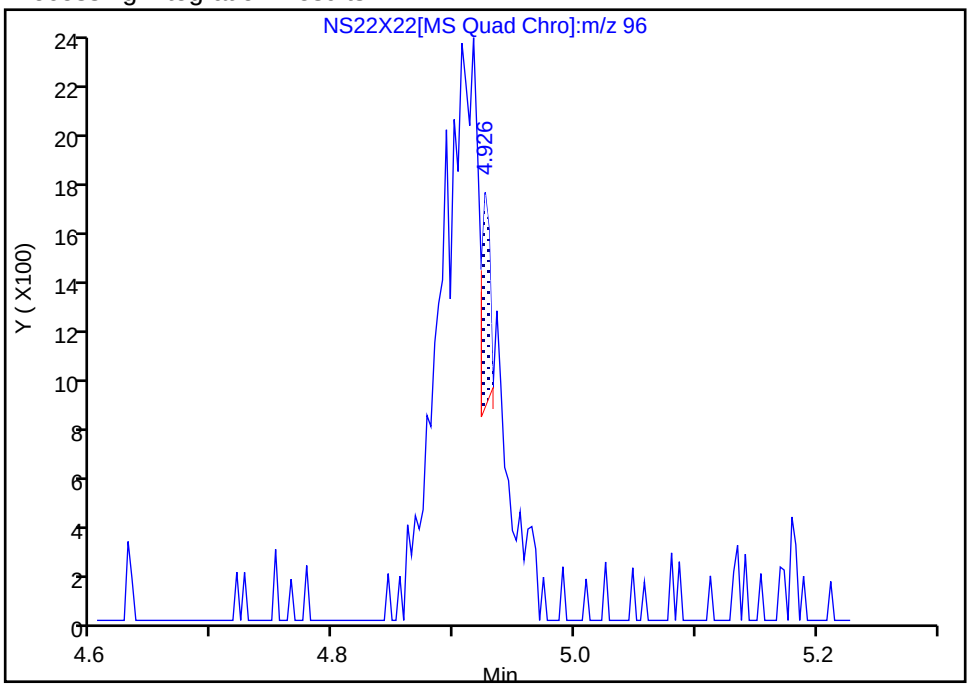
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

31 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

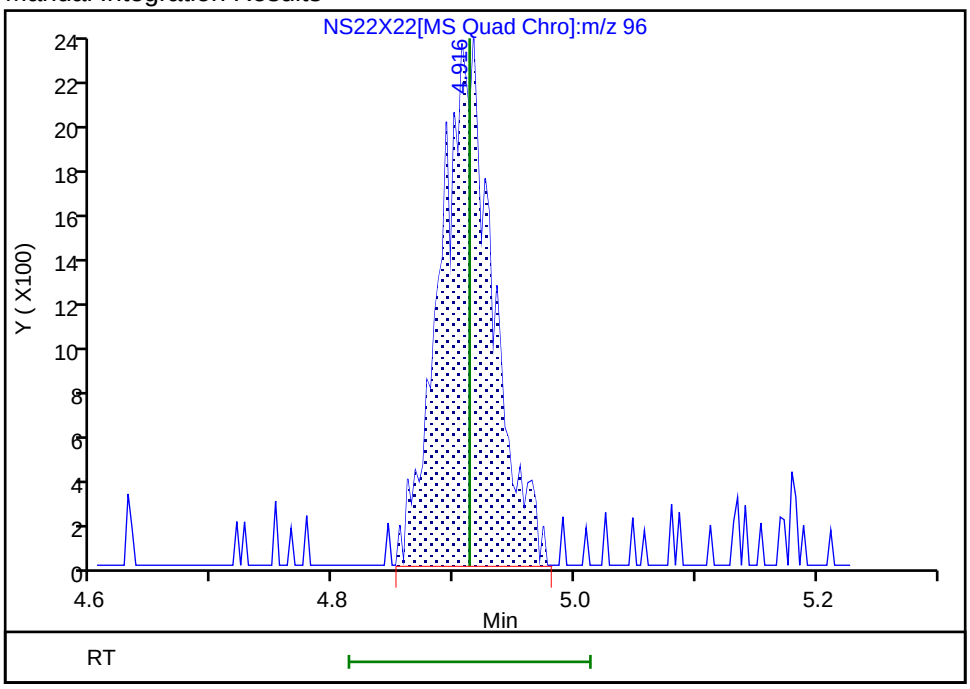
Processing Integration Results

RT: 4.93
Area: 404
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 4.92
Area: 6980
Amount: 1.058953
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:15:48 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

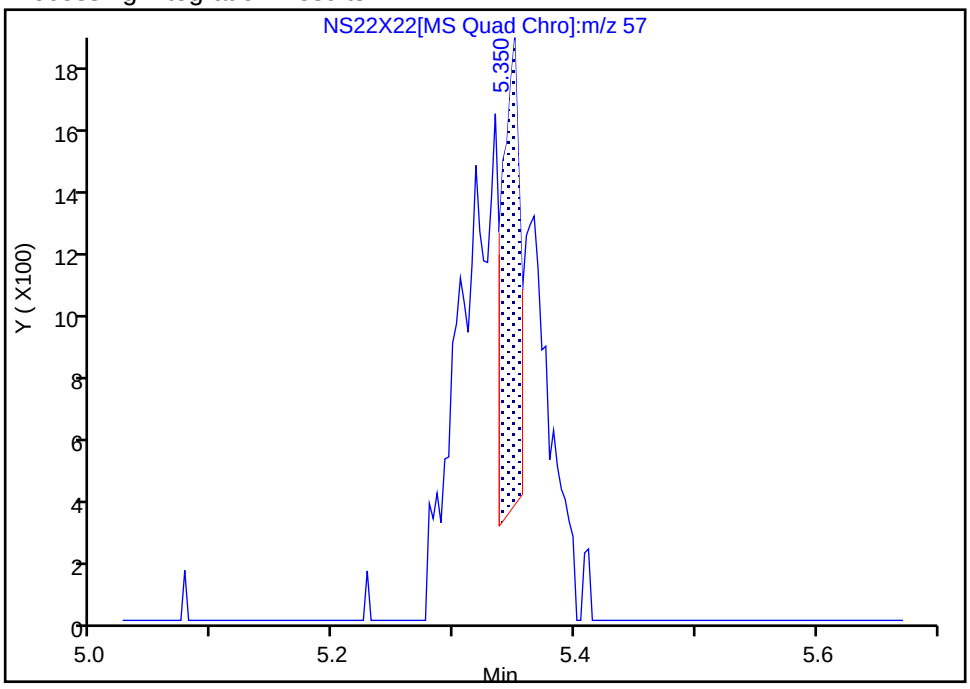
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

33 Hexane, CAS: 110-54-3

Signal: 1

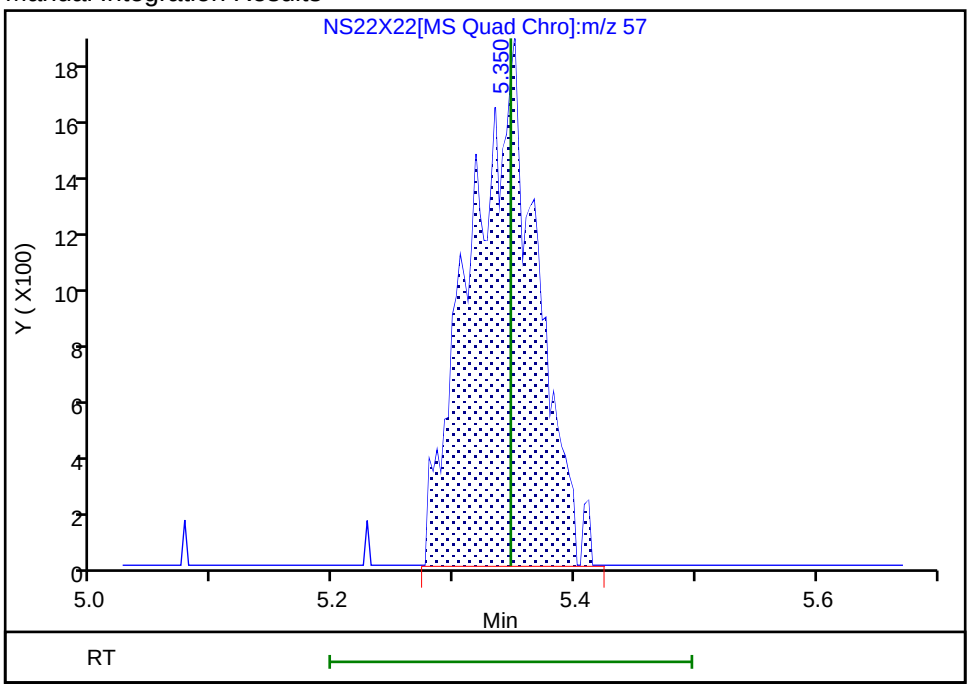
Processing Integration Results

RT: 5.35
Area: 1536
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 5.35
Area: 7196
Amount: 0.967193
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:15:58 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

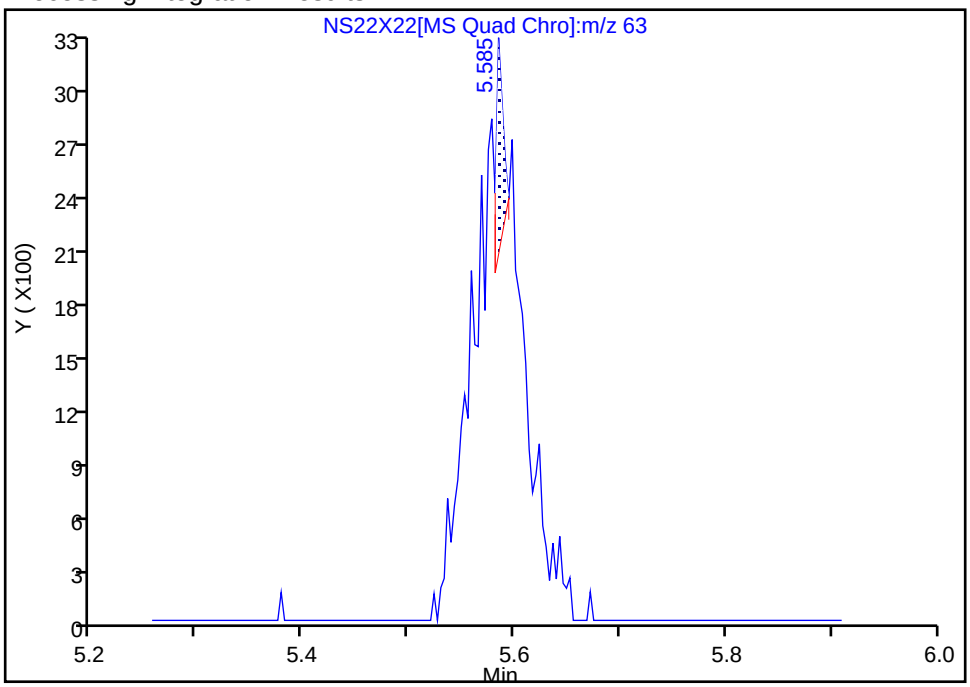
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

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

Signal: 1

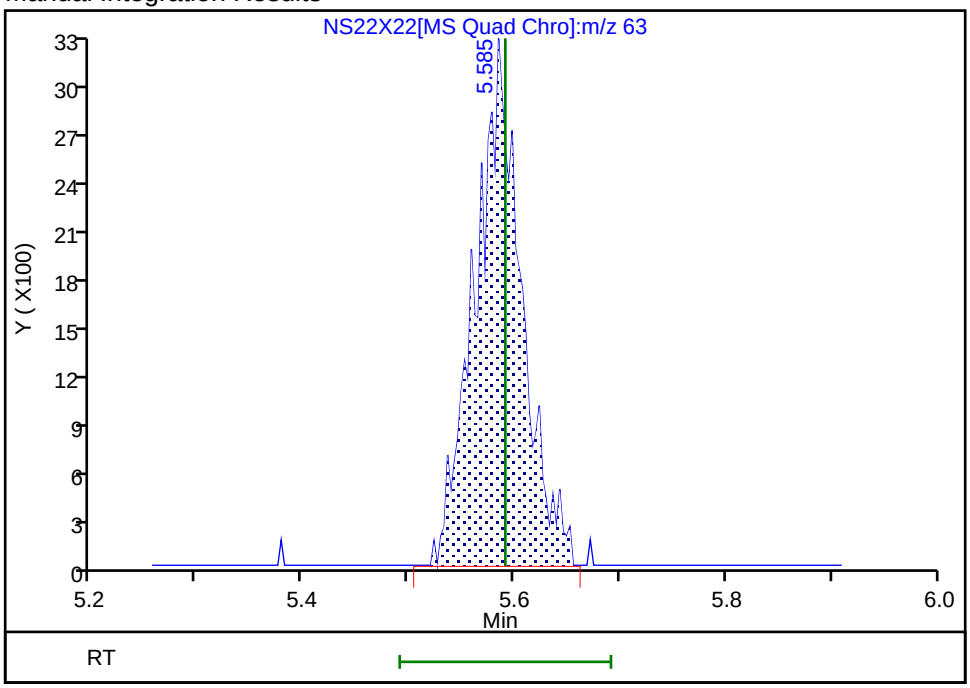
Processing Integration Results

RT: 5.58
Area: 532
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 5.58
Area: 9873
Amount: 0.991479
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:16:03 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

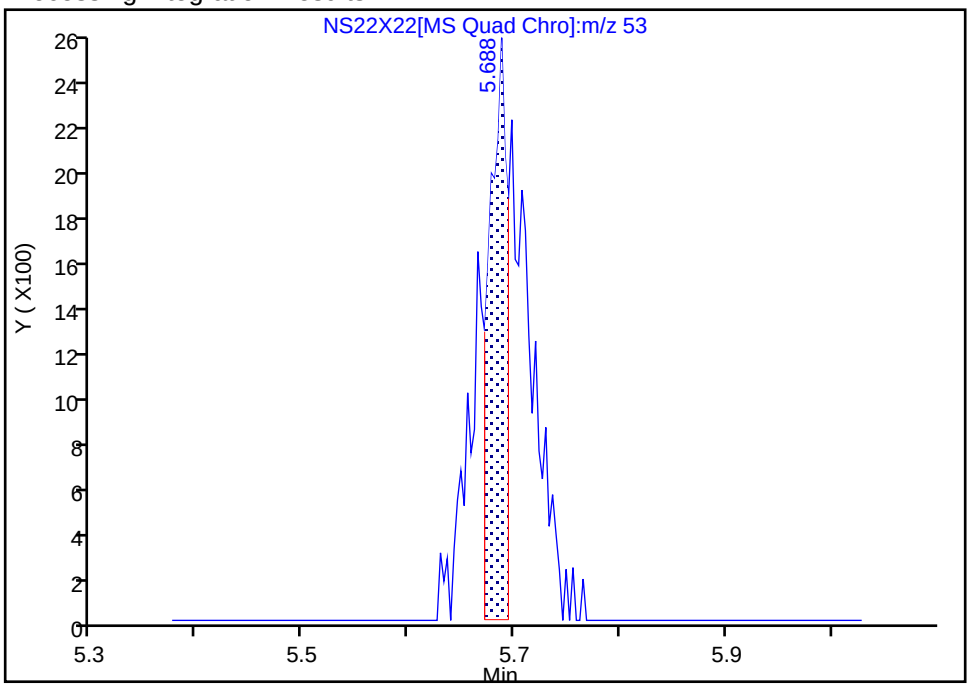
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

37 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

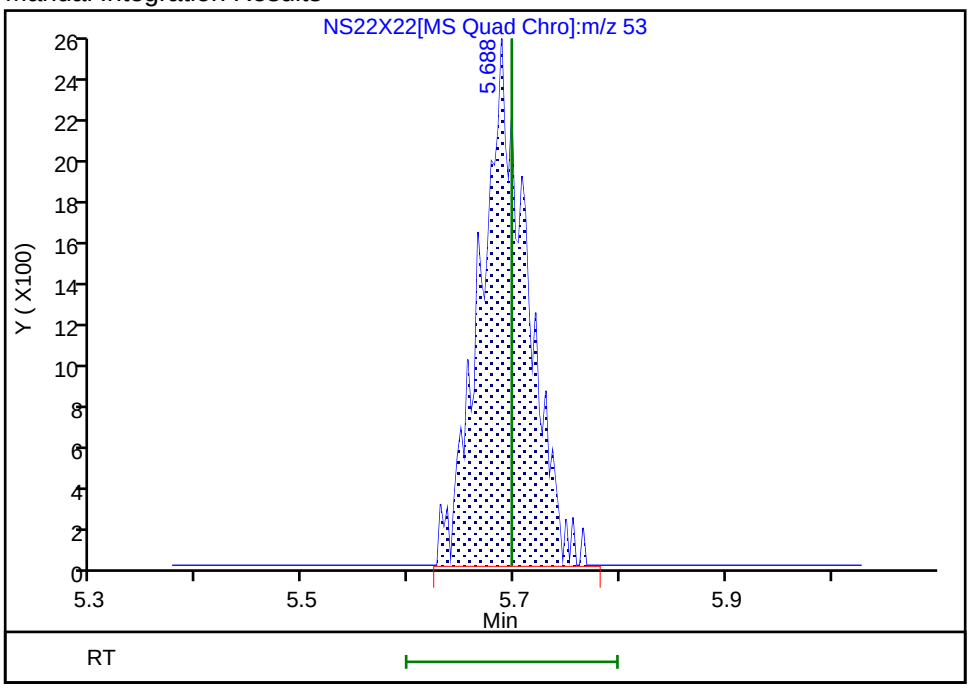
Processing Integration Results

RT: 5.69
Area: 2959
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 5.69
Area: 7804
Amount: 0.936319
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:16:08 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

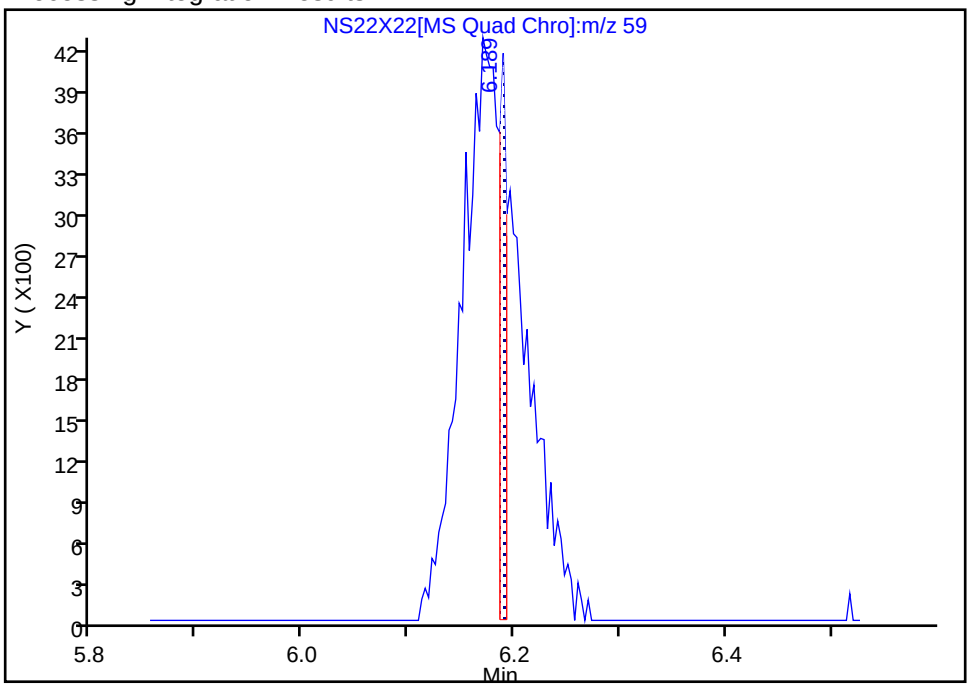
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

39 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

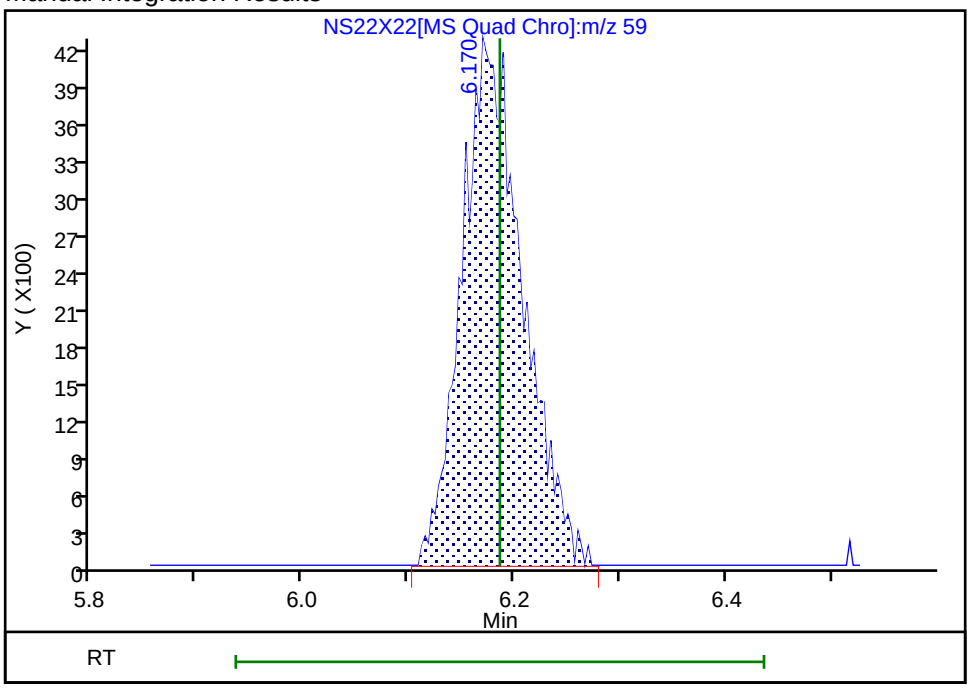
Processing Integration Results

RT: 6.19
Area: 2062
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 6.17
Area: 16924
Amount: 0.946169
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:16:14 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

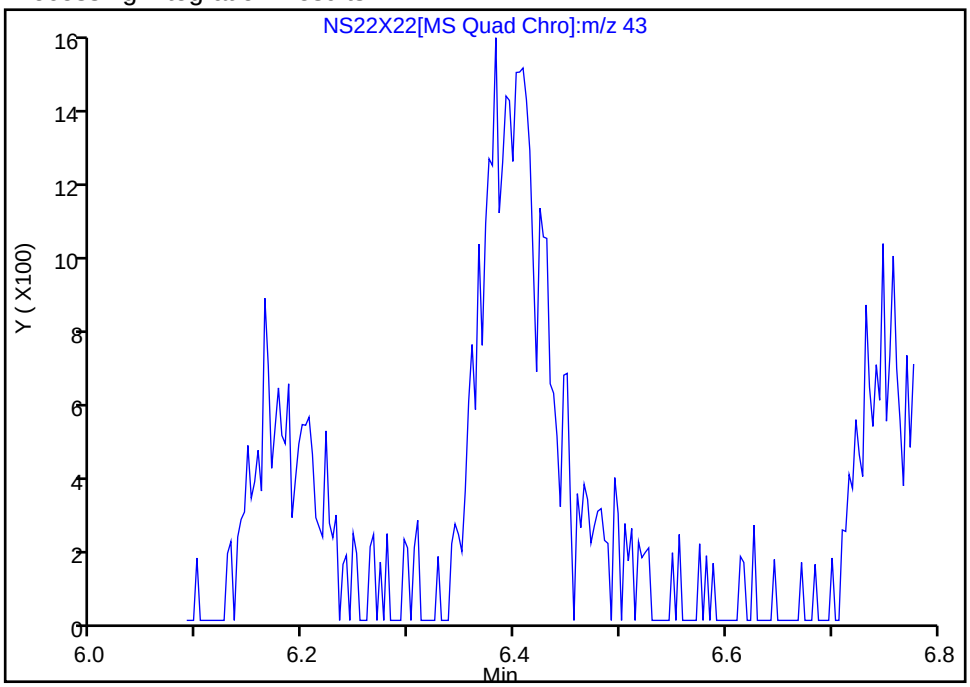
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

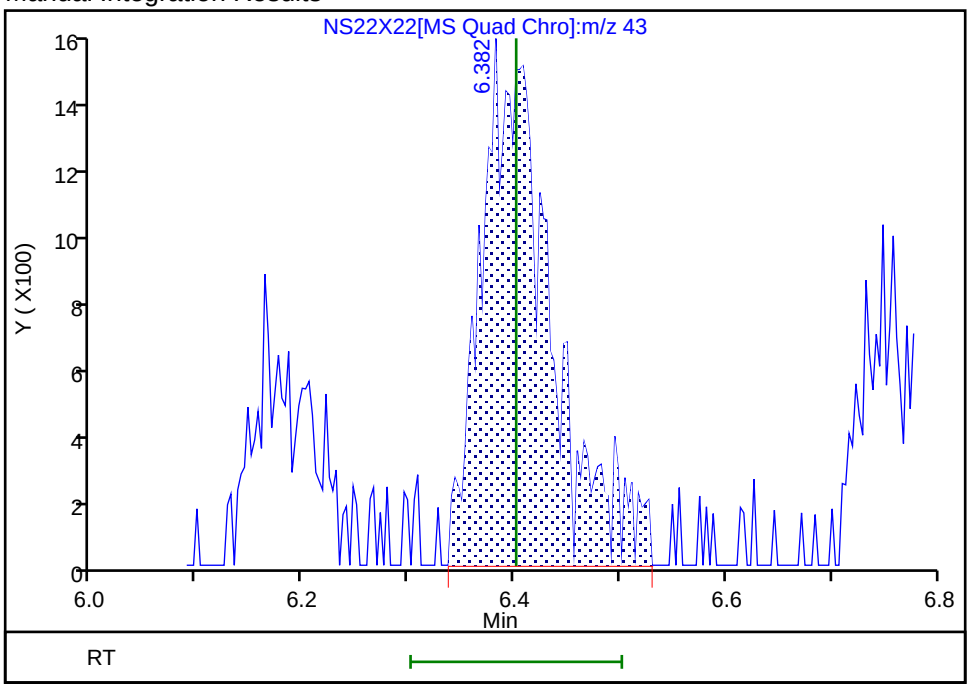
Not Detected
Expected RT: 6.40

Processing Integration Results



Manual Integration Results

RT: 6.38
Area: 7058
Amount: 2.209161
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:15:29 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

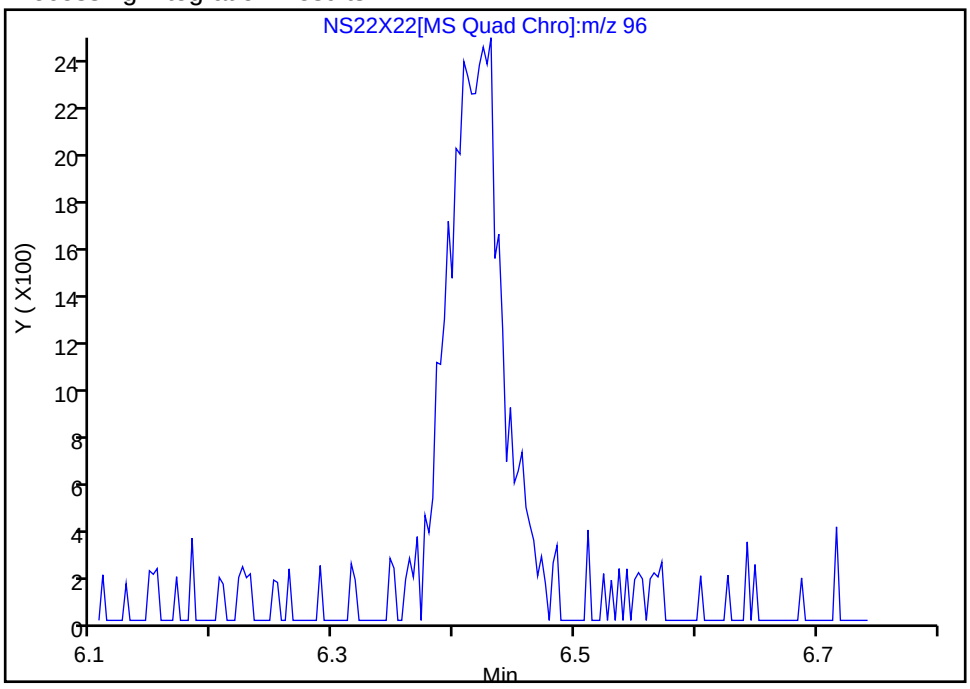
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

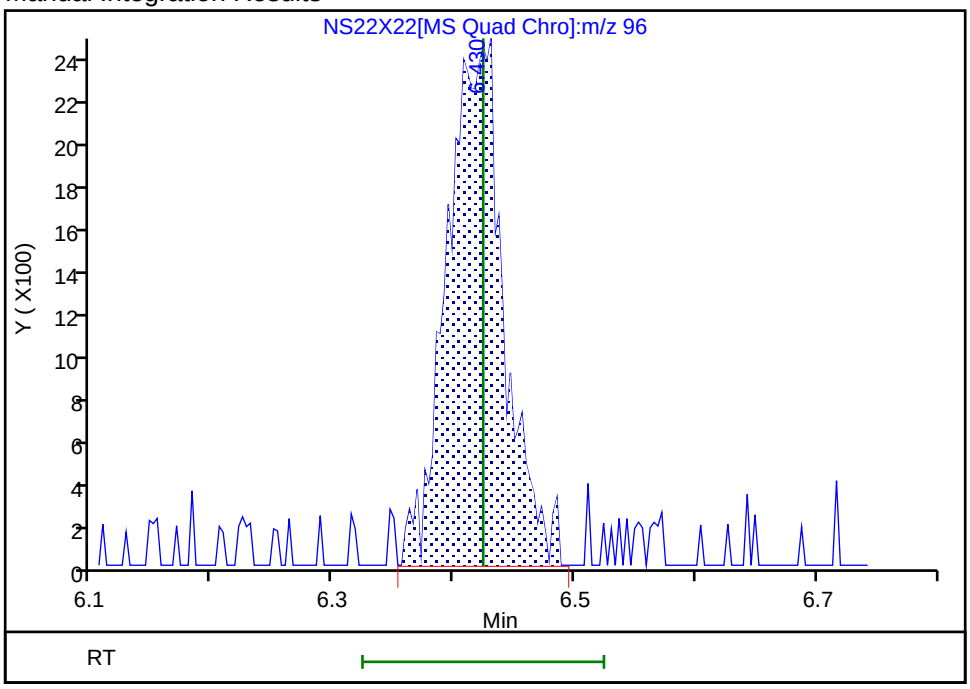
Not Detected
Expected RT: 6.42

Processing Integration Results



Manual Integration Results

RT: 6.43
Area: 8002
Amount: 1.057554
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:15:33 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

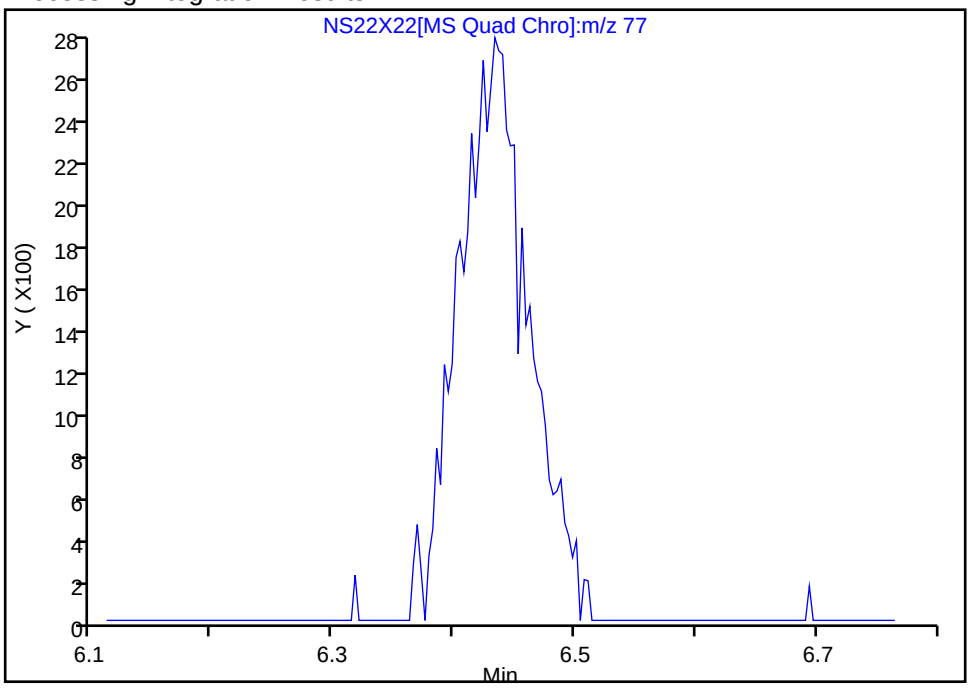
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

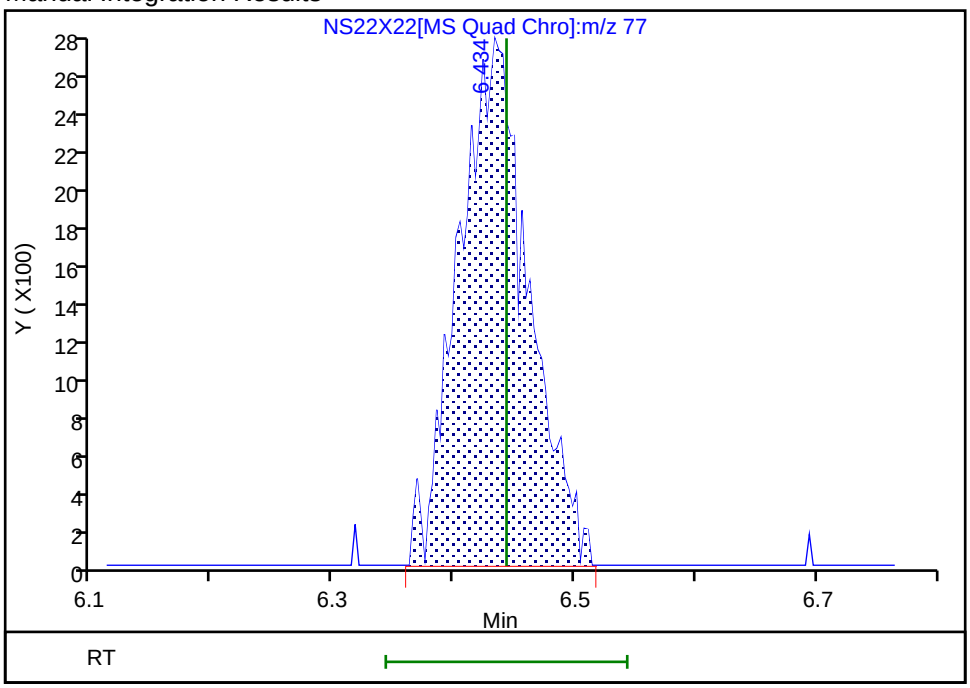
Not Detected
Expected RT: 6.44

Processing Integration Results



Manual Integration Results

RT: 6.43
Area: 11085
Amount: 0.991667
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:15:37 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

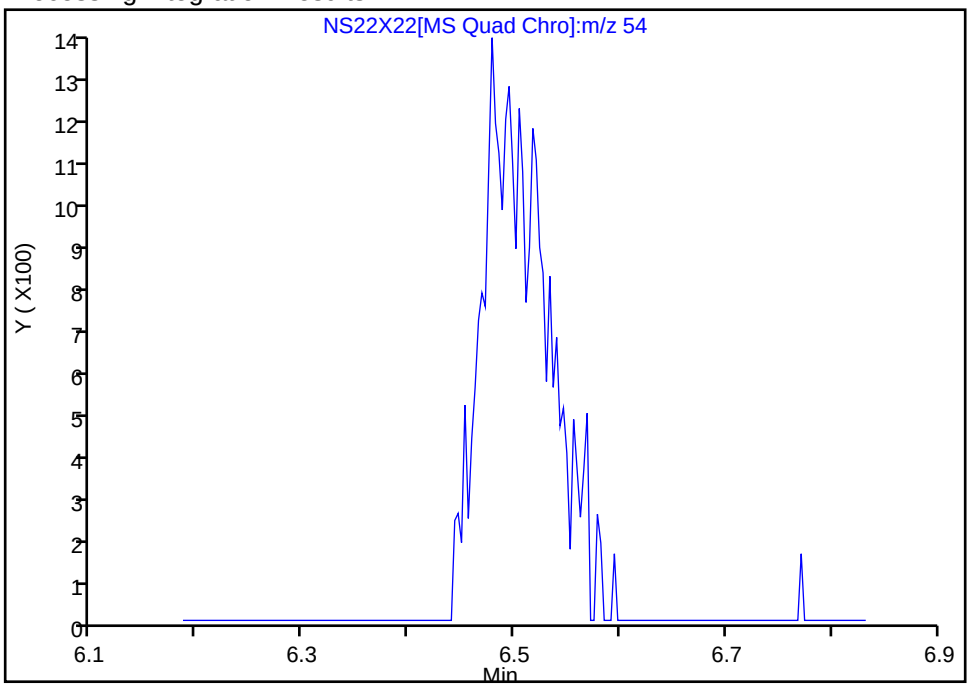
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

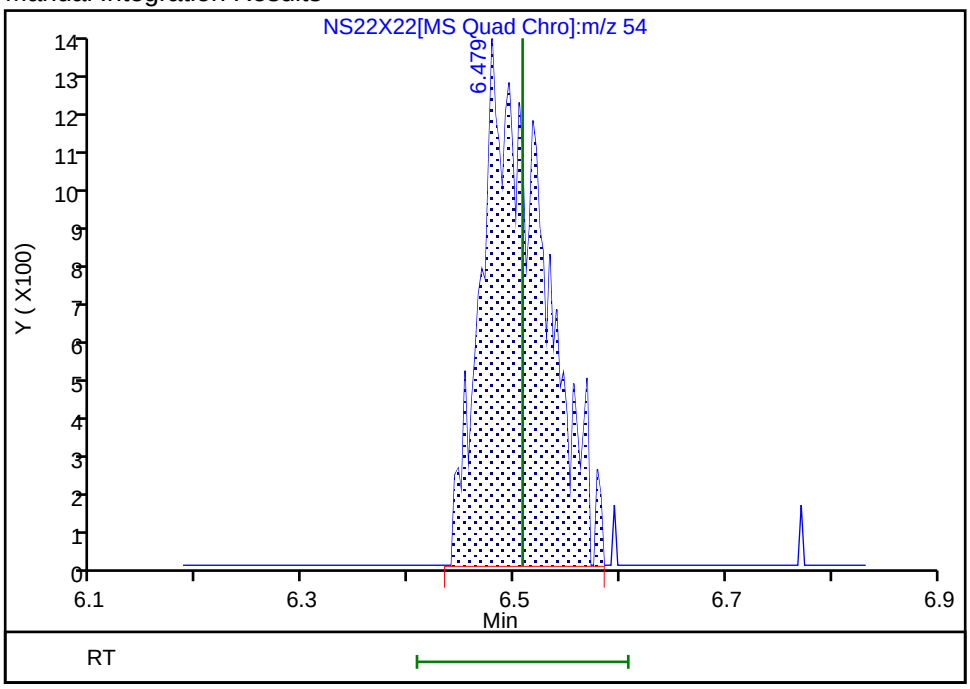
Not Detected
Expected RT: 6.51

Processing Integration Results



Manual Integration Results

RT: 6.48
Area: 5702
Amount: 5.113348
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:15:41 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

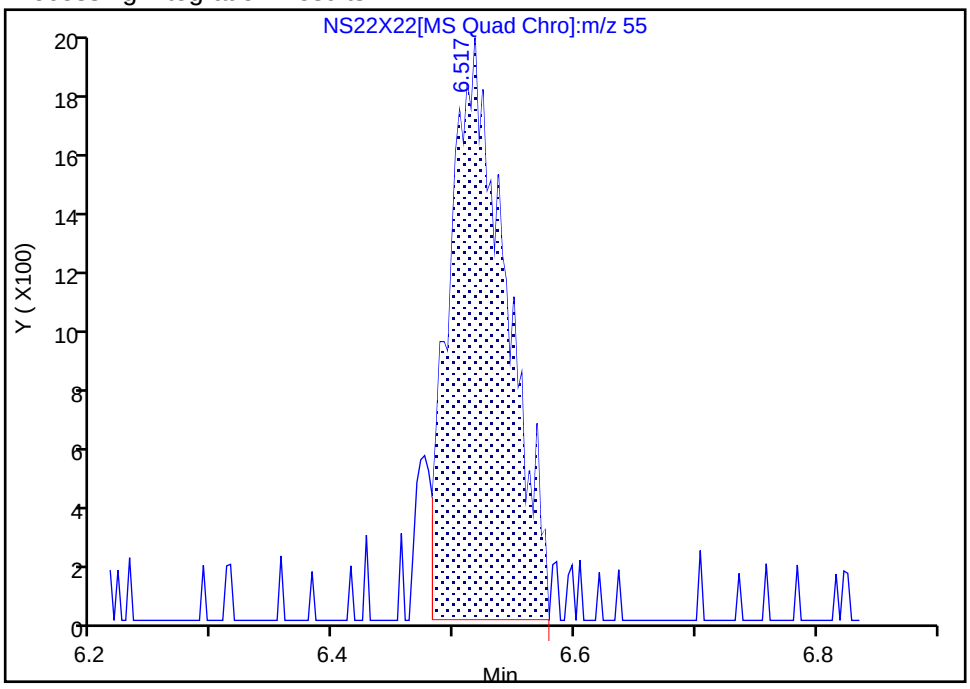
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

45 Methyl acrylate, CAS: 96-33-3

Signal: 1

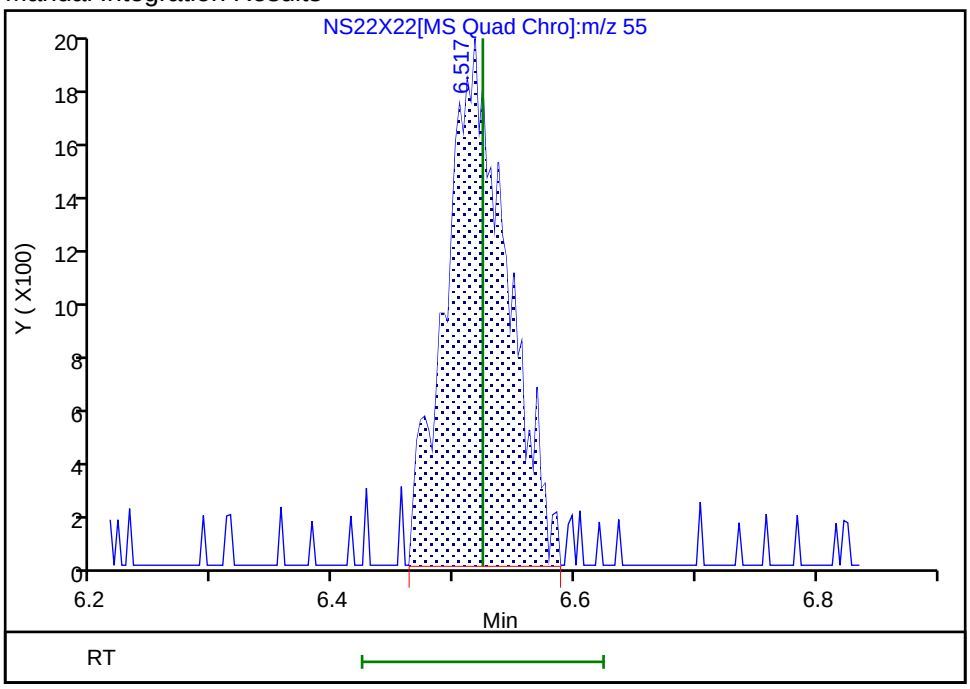
Processing Integration Results

RT: 6.52
Area: 6245
Amount: 0.950752
Amount Units: ug/l



Manual Integration Results

RT: 6.52
Area: 6752
Amount: 1.016730
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:17:17 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

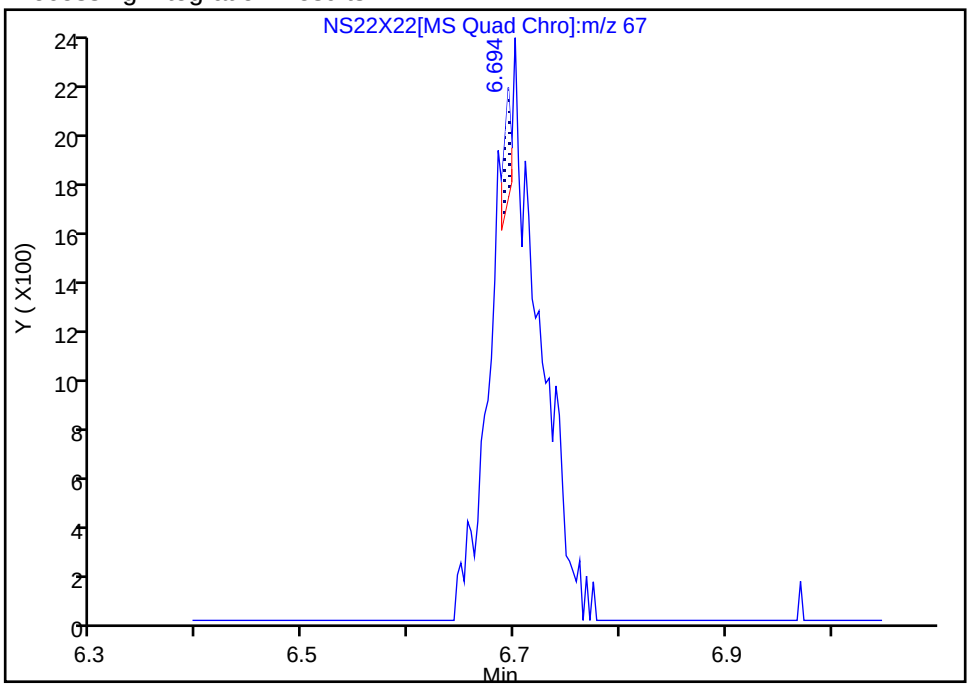
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

46 Methacrylonitrile, CAS: 126-98-7

Signal: 1

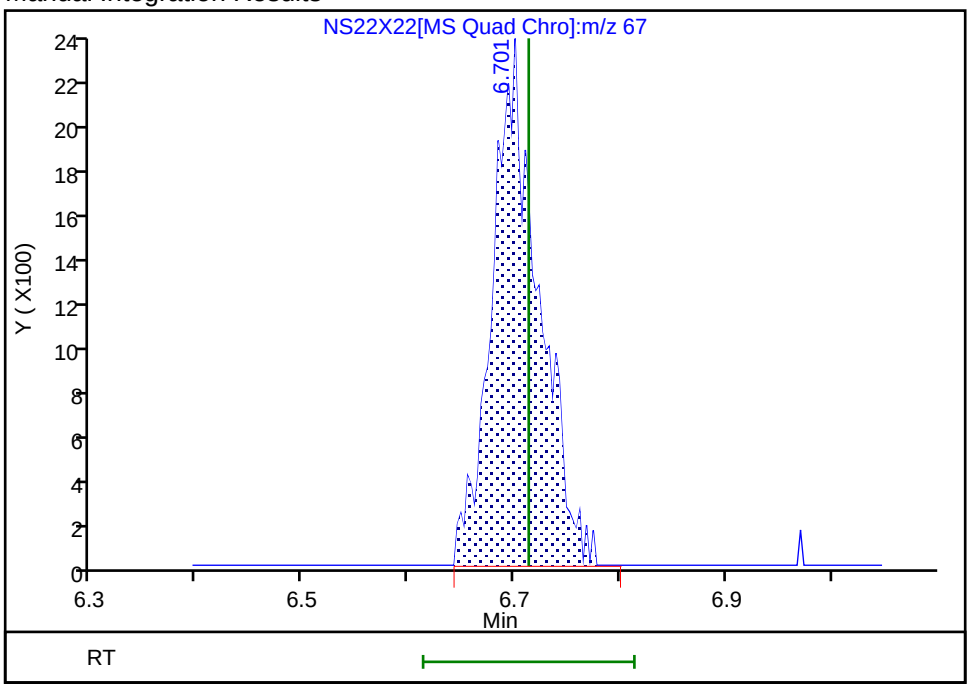
Processing Integration Results

RT: 6.69
Area: 211
Amount: 2.500000
Amount Units: ug/l



Manual Integration Results

RT: 6.70
Area: 7087
Amount: 2.610926
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:16:21 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

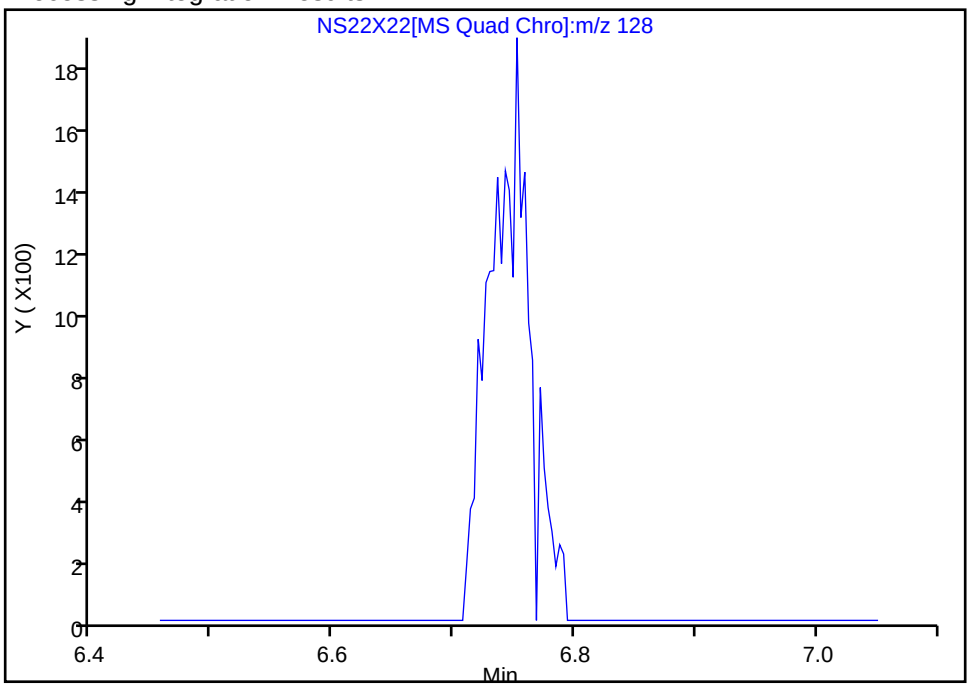
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

47 Chlorobromomethane, CAS: 74-97-5

Signal: 1

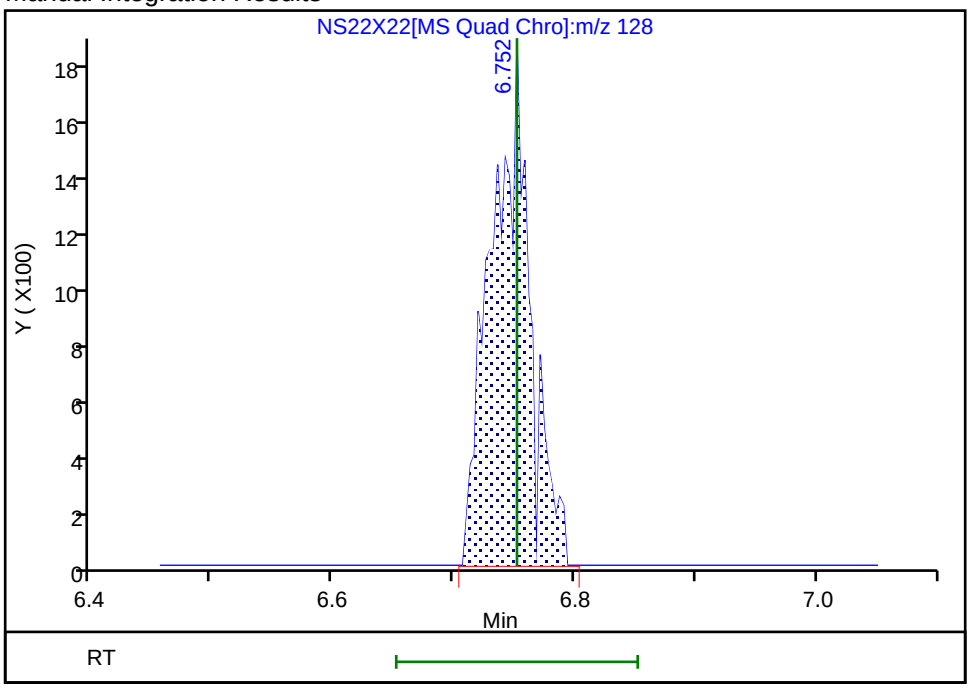
Not Detected
Expected RT: 6.75

Processing Integration Results



Manual Integration Results

RT: 6.75
Area: 4033
Amount: 0.977367
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:15:45 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

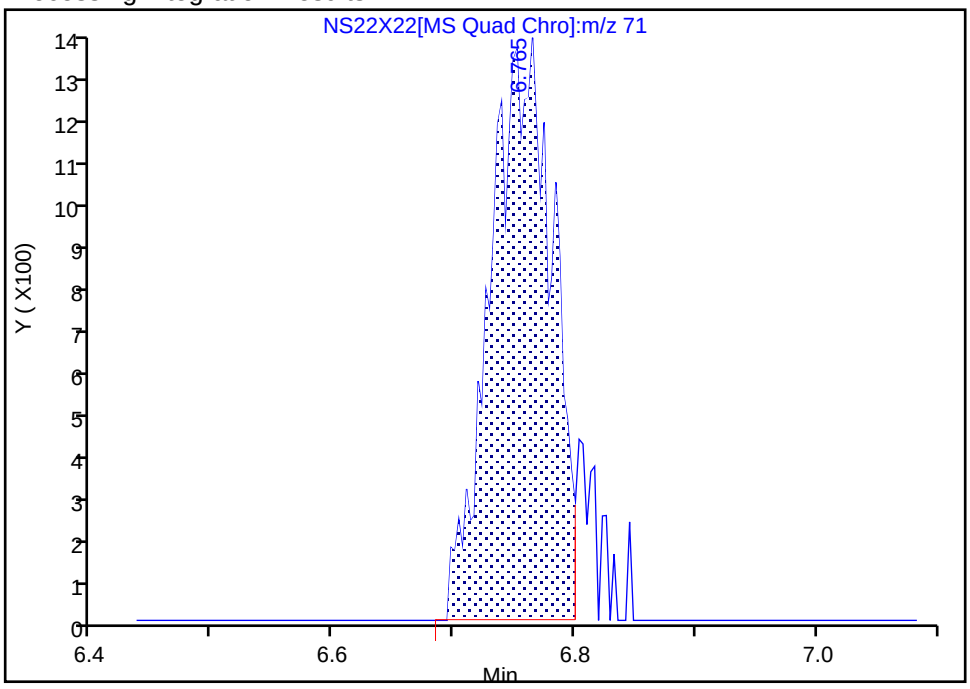
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

48 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

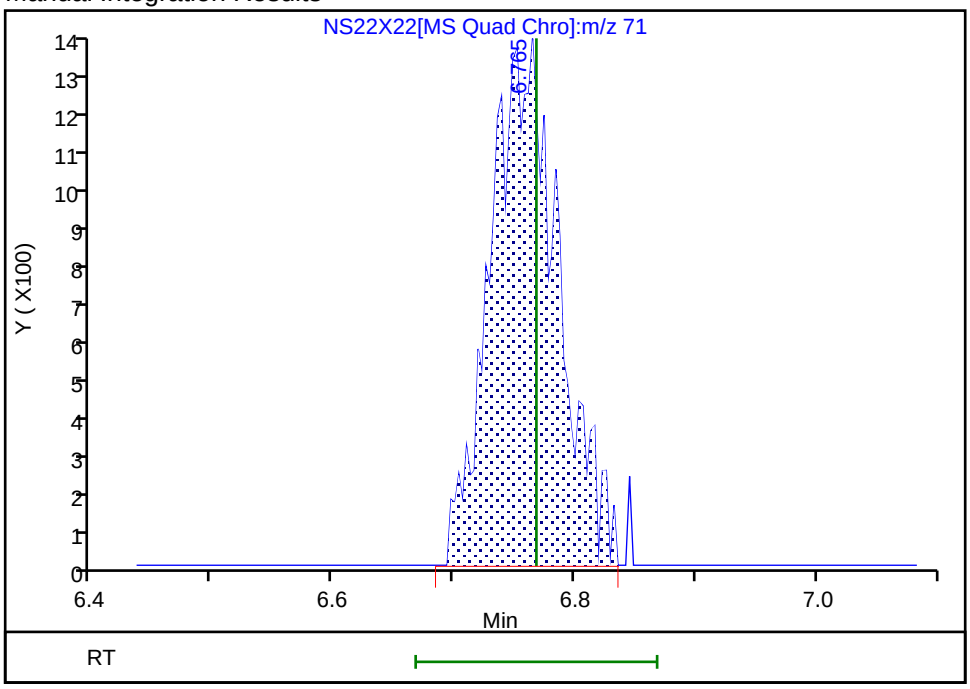
Processing Integration Results

RT: 6.76
Area: 4869
Amount: 4.729982
Amount Units: ug/l



Manual Integration Results

RT: 6.76
Area: 5334
Amount: 5.153963
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:15:51 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

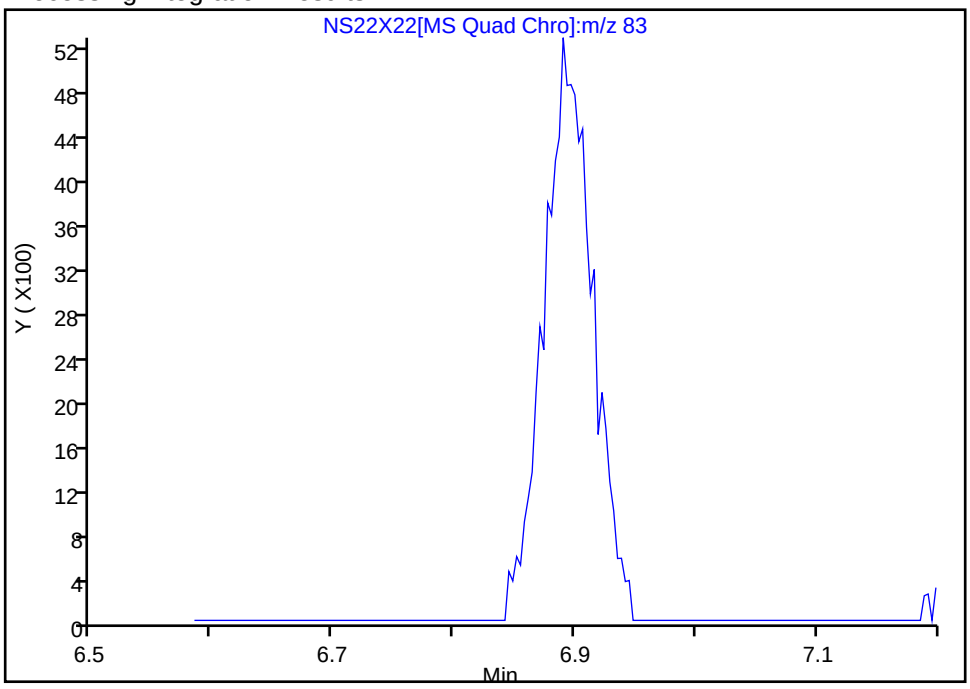
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

49 Chloroform, CAS: 67-66-3

Signal: 1

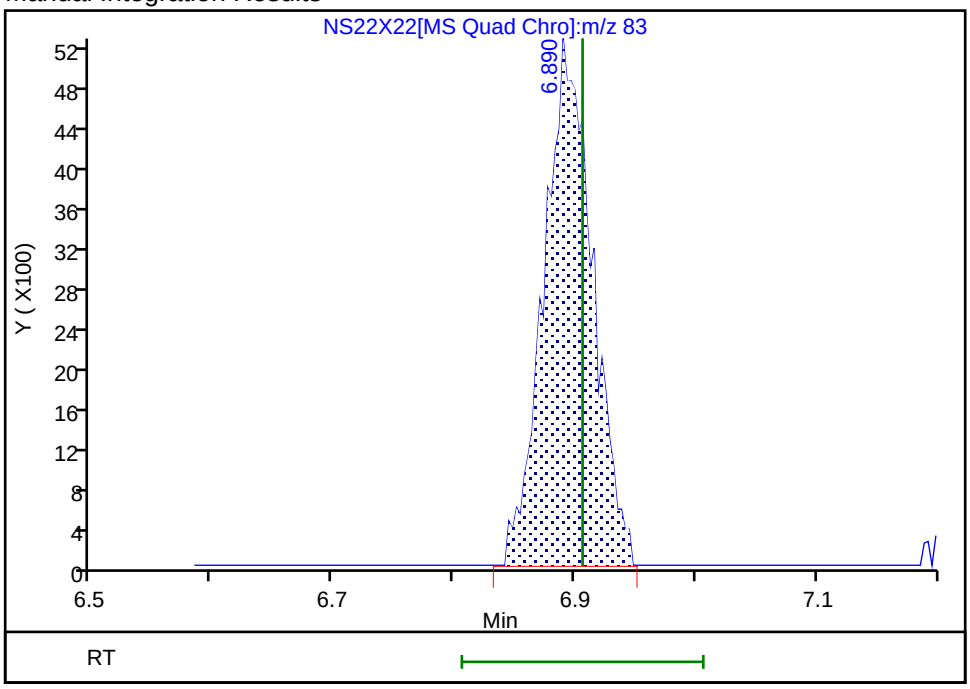
Not Detected
Expected RT: 6.91

Processing Integration Results



Manual Integration Results

RT: 6.89
Area: 14760
Amount: 1.195005
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:15:55 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

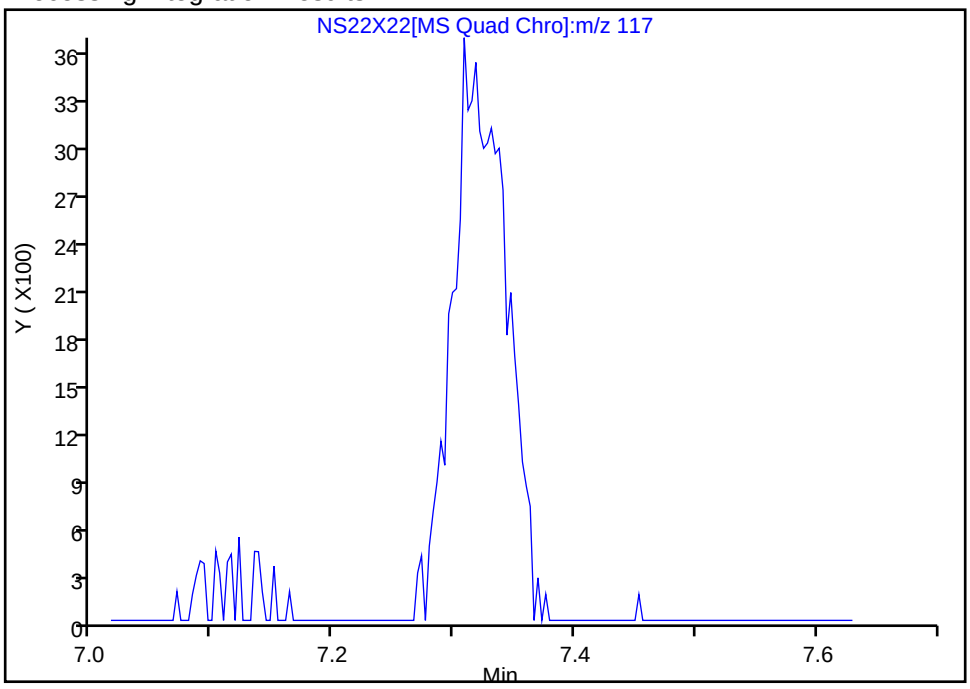
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

53 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

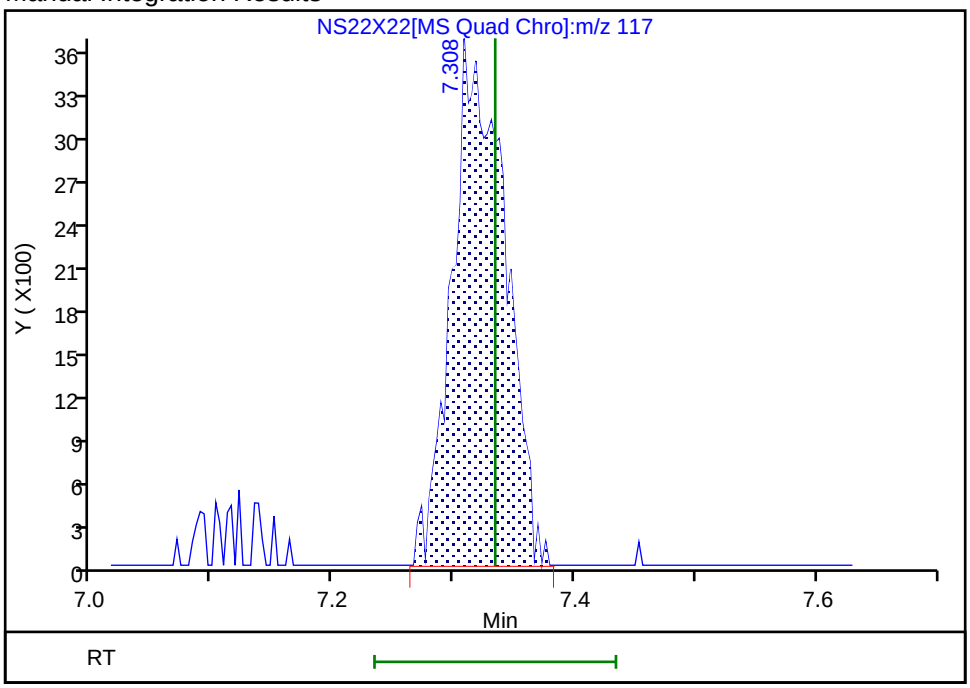
Not Detected
Expected RT: 7.33

Processing Integration Results



Manual Integration Results

RT: 7.31
Area: 11236
Amount: 0.948302
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:16:00 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

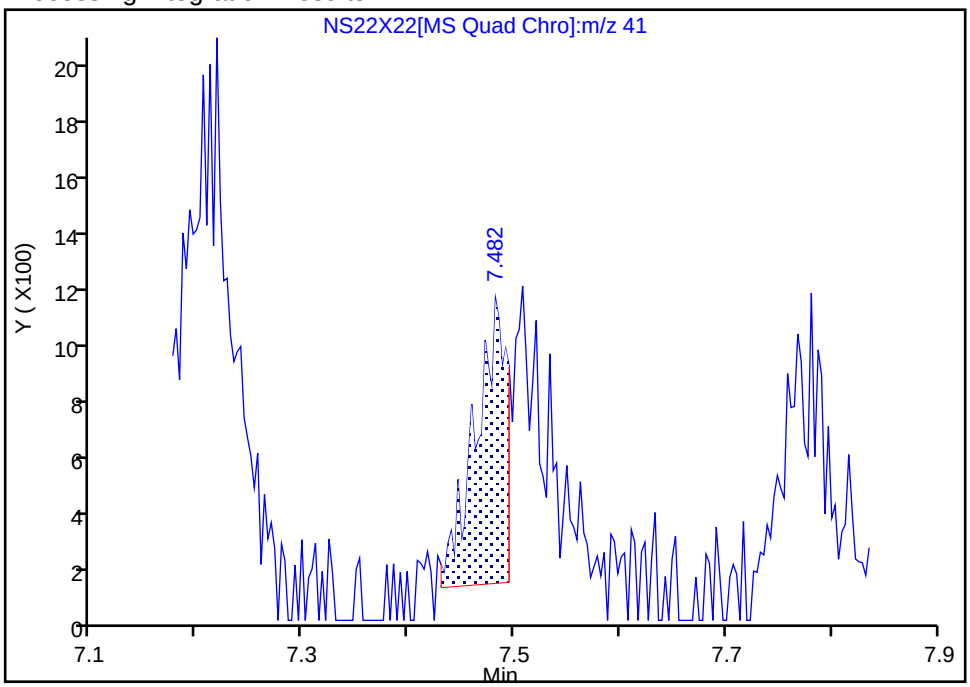
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

55 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

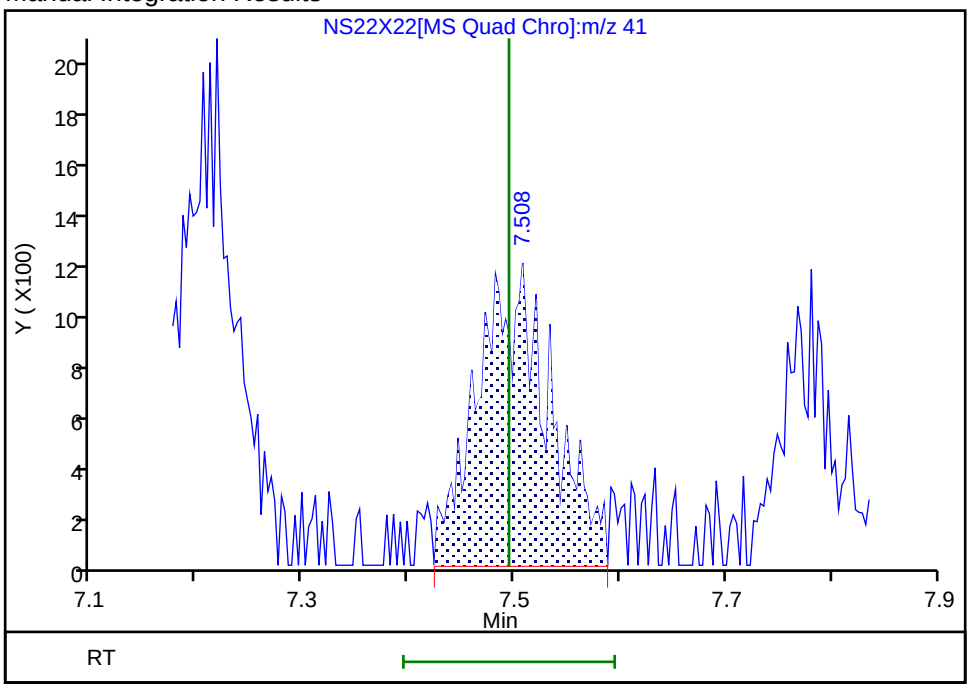
Processing Integration Results

RT: 7.48
Area: 2024
Amount: 12.500000
Amount Units: ug/l



Manual Integration Results

RT: 7.51
Area: 5495
Amount: 15.419804
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:16:31 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

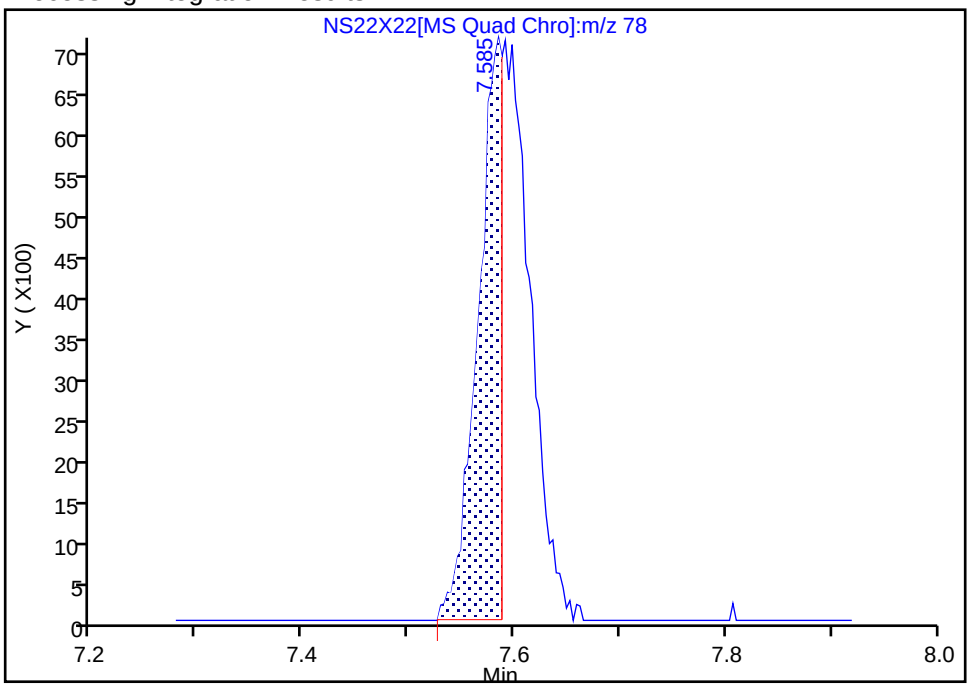
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

57 Benzene, CAS: 71-43-2

Signal: 1

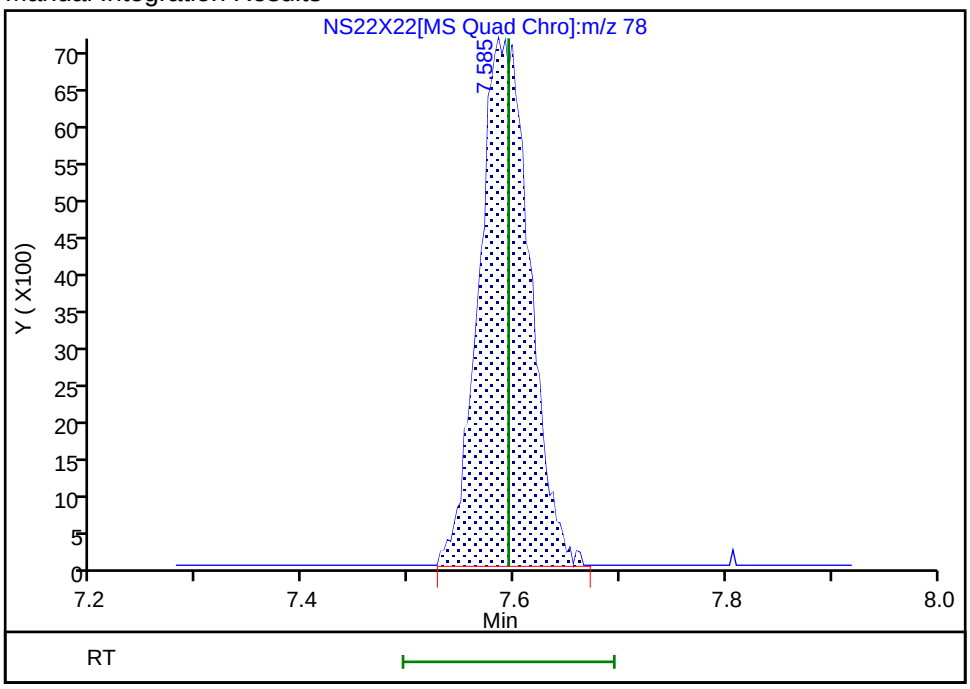
Processing Integration Results

RT: 7.58
Area: 11375
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 7.58
Area: 23748
Amount: 0.975387
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:16:37 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

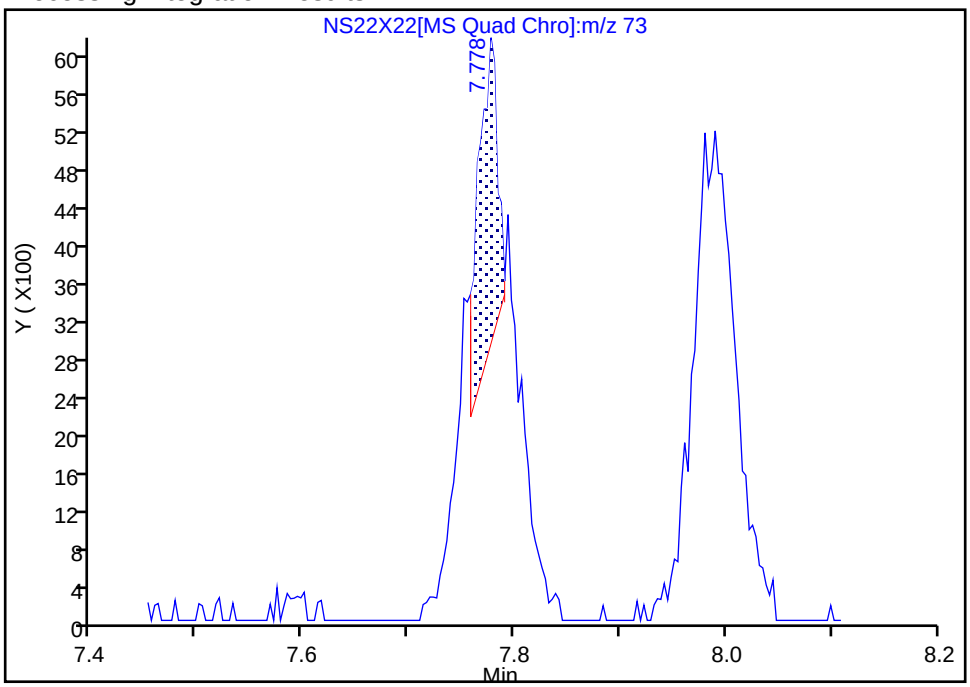
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

60 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

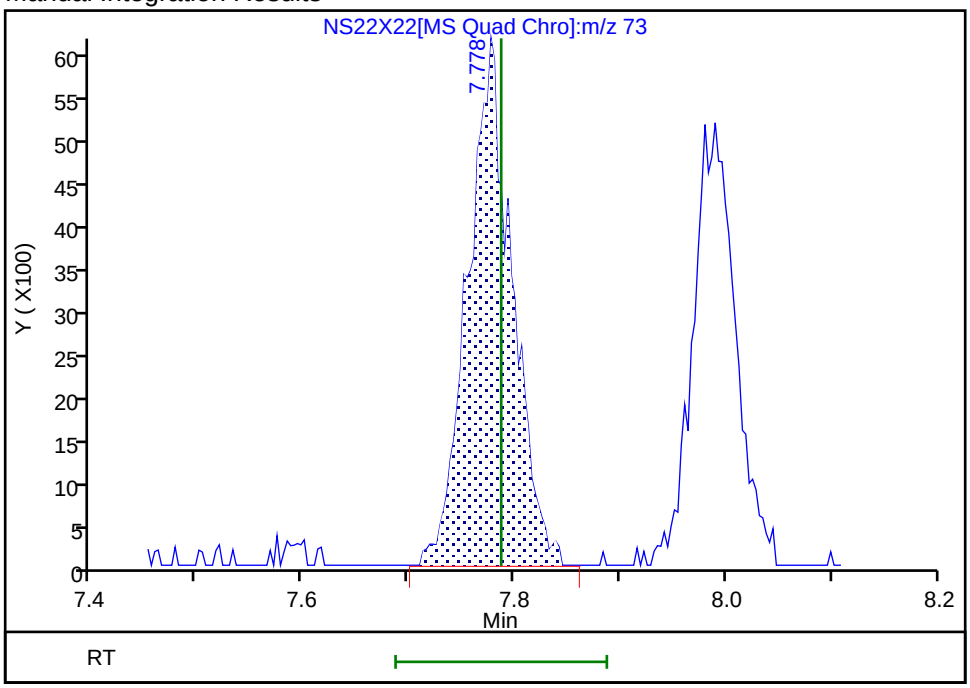
Processing Integration Results

RT: 7.78
Area: 4173
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 7.78
Area: 17960
Amount: 0.993189
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:16:42 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

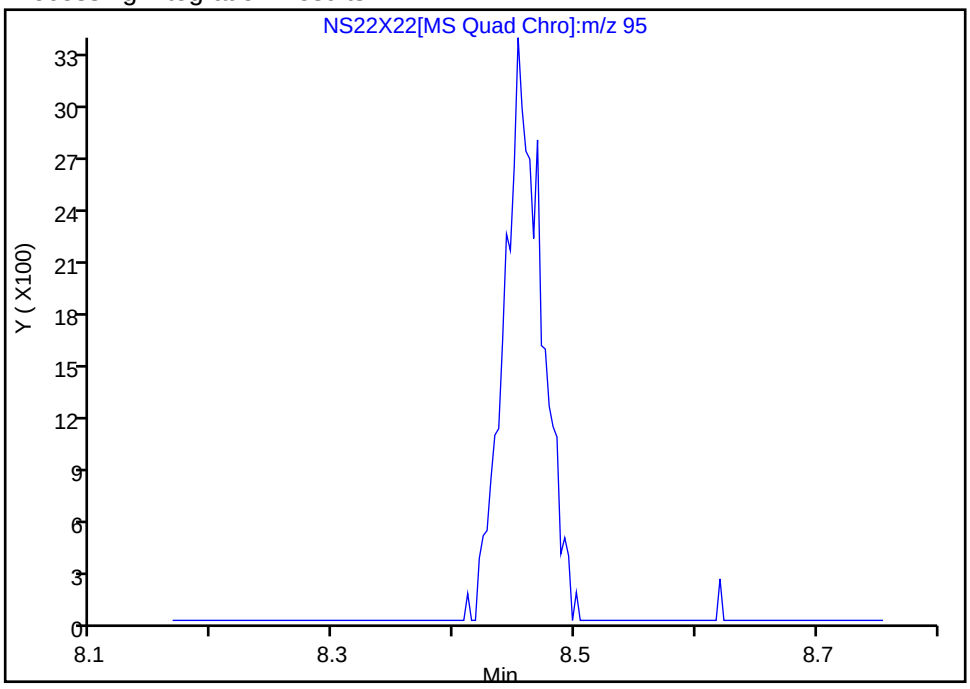
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6

Signal: 1

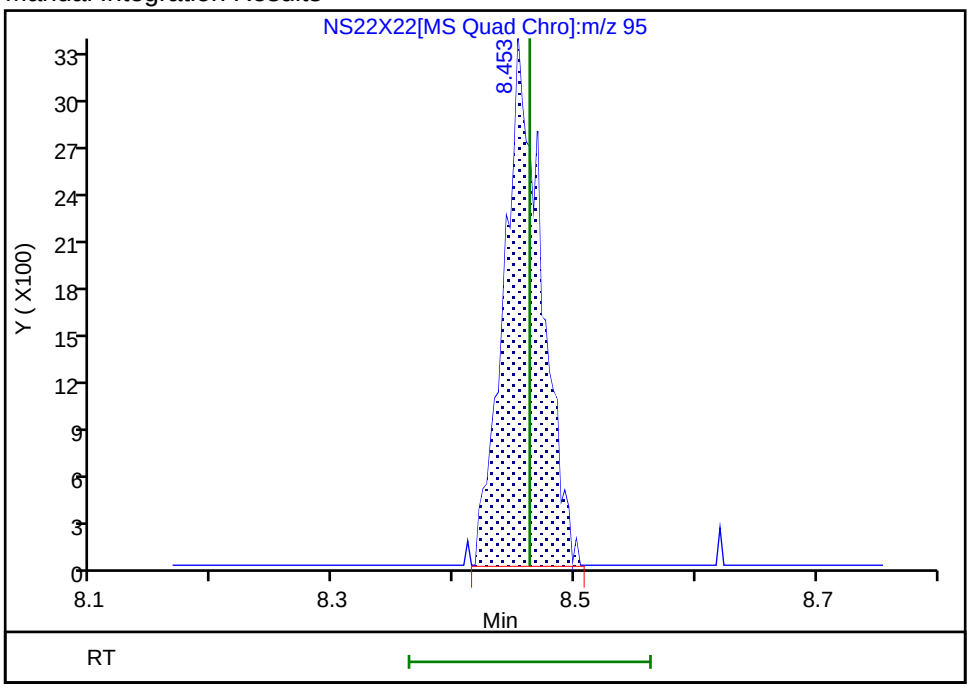
Not Detected
Expected RT: 8.46

Processing Integration Results



Manual Integration Results

RT: 8.45
Area: 7238
Amount: 1.005941
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:16:10 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

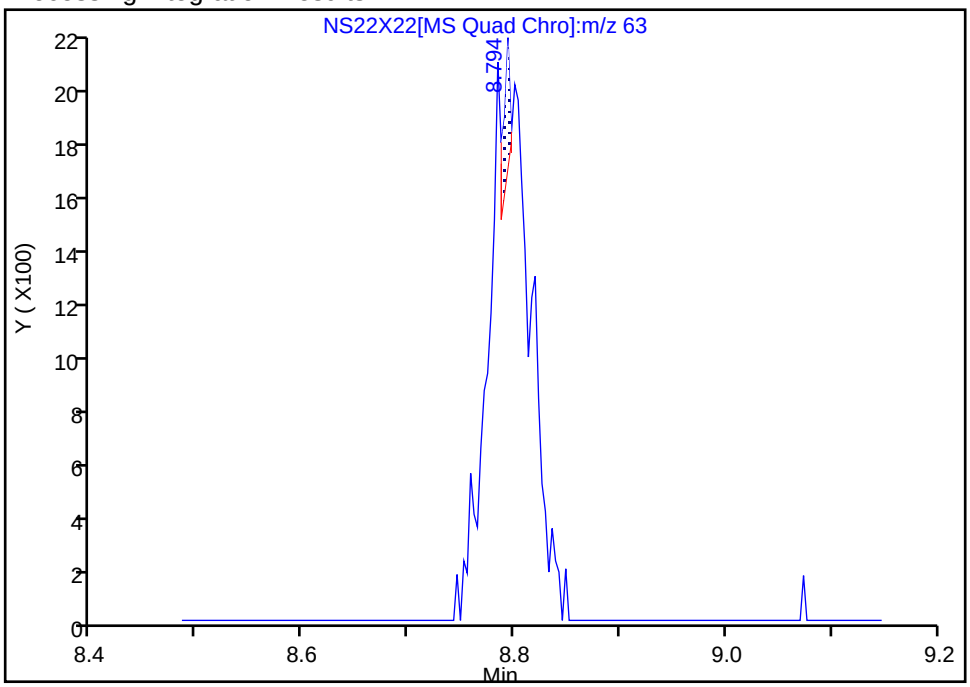
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

69 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

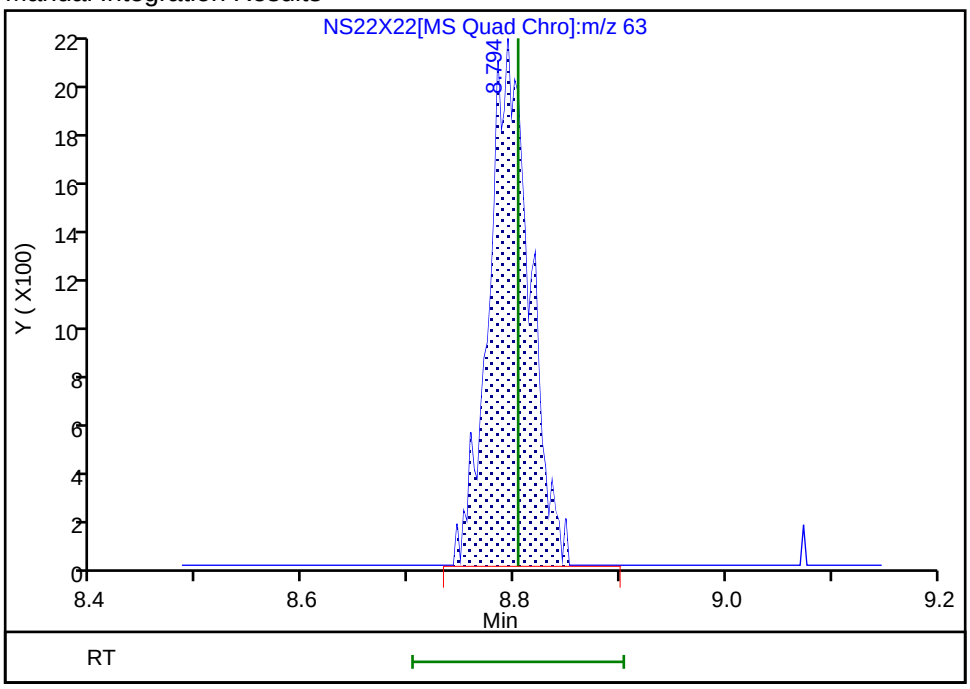
Processing Integration Results

RT: 8.79
Area: 207
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 8.79
Area: 5676
Amount: 0.988568
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:16:49 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

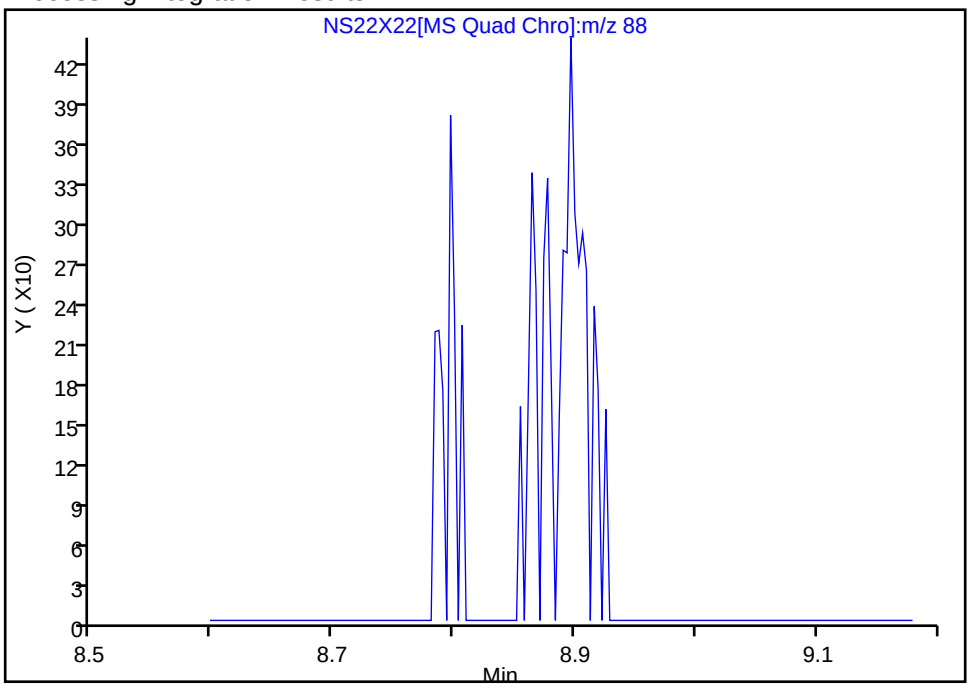
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

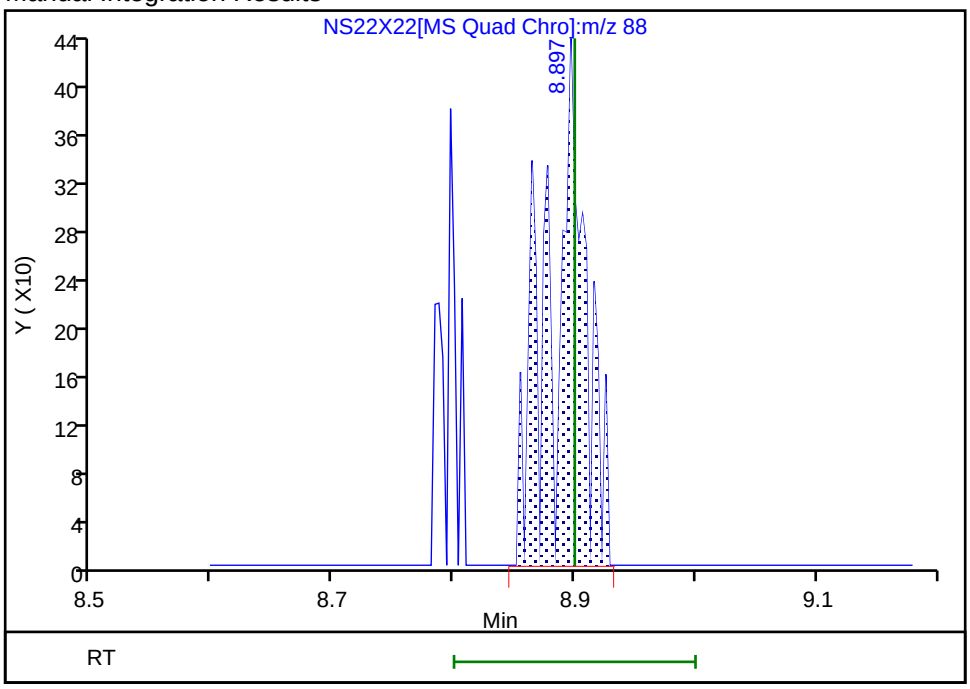
Not Detected
Expected RT: 8.90

Processing Integration Results



Manual Integration Results

RT: 8.90
Area: 870
Amount: 9.238677
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:16:16 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

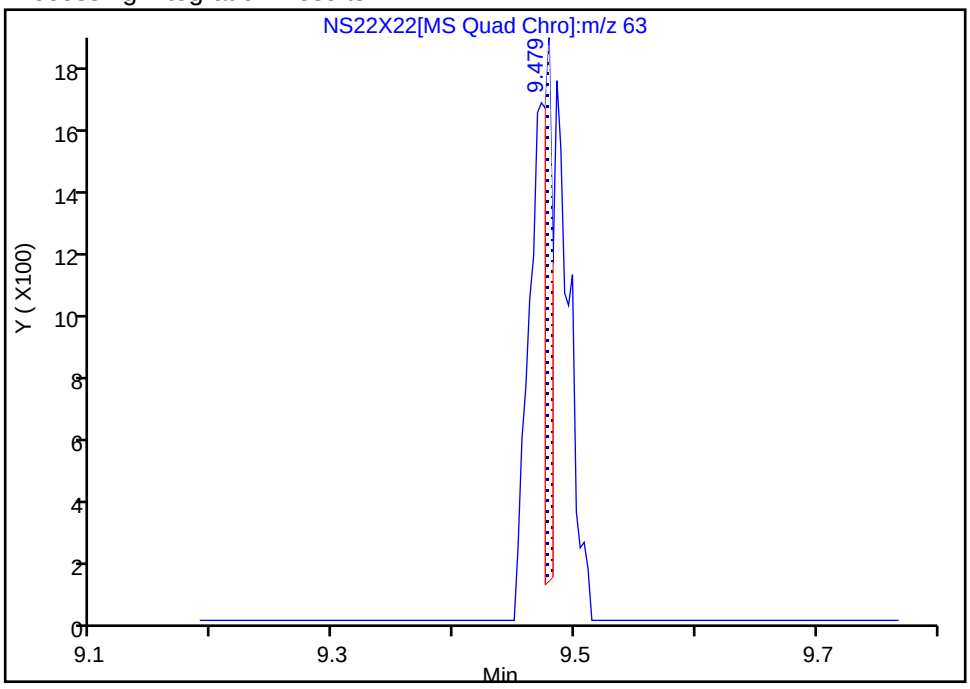
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

76 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

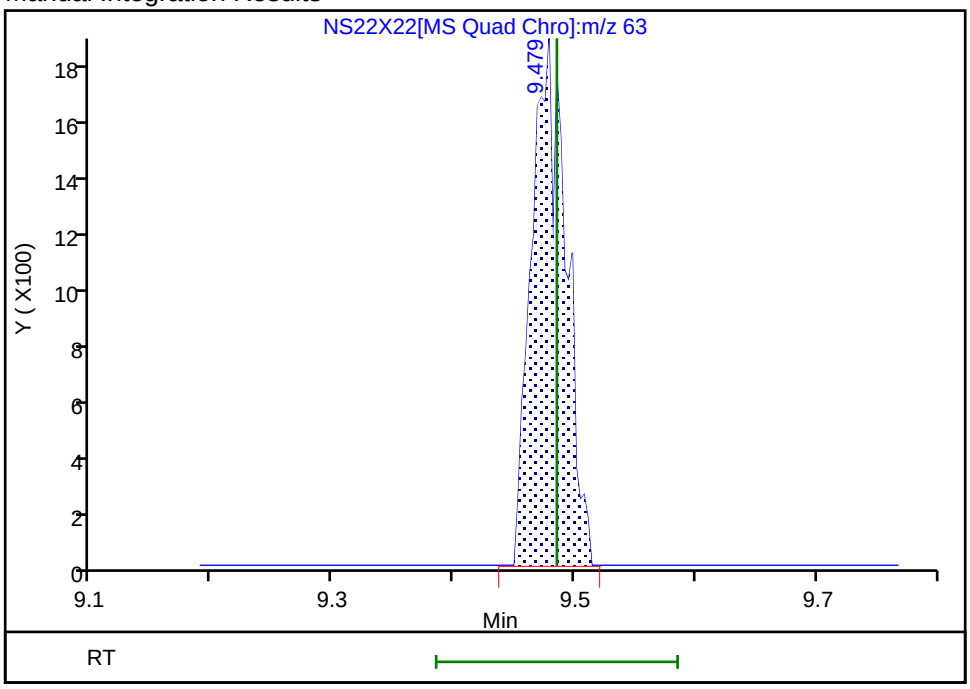
Processing Integration Results

RT: 9.48
Area: 816
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 9.48
Area: 3642
Amount: 0.995039
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:16:54 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

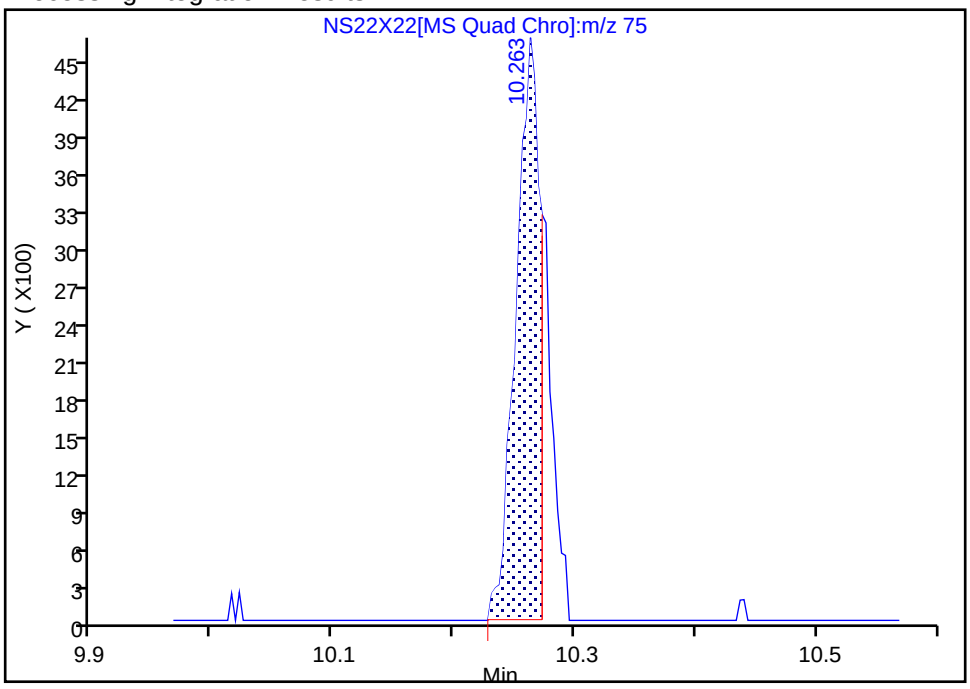
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

120 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

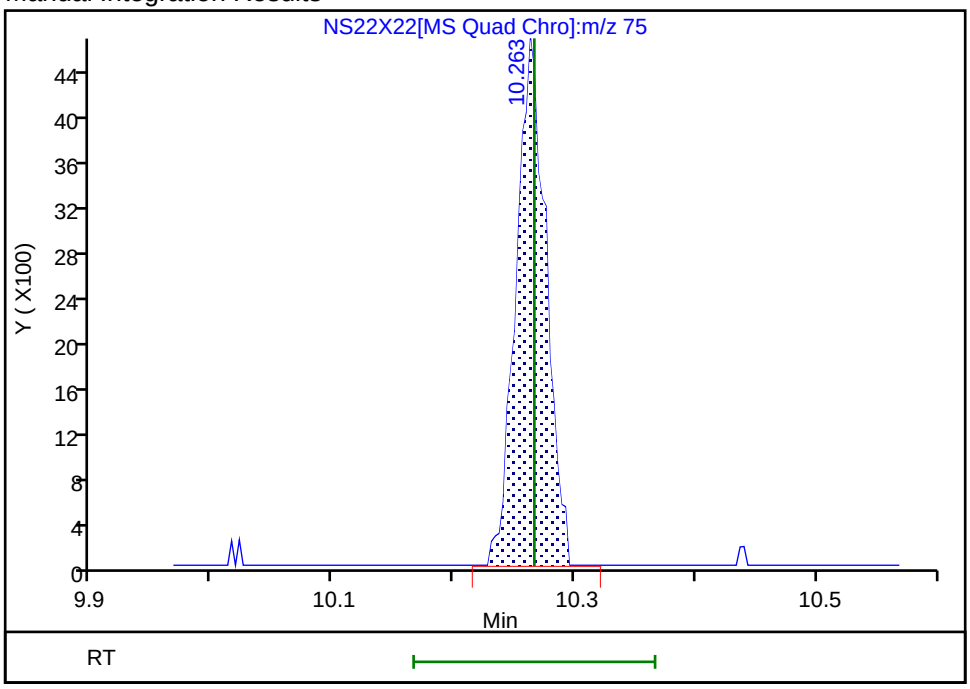
Processing Integration Results

RT: 10.26
Area: 6325
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 10.26
Area: 7924
Amount: 0.968956
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:17:00 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

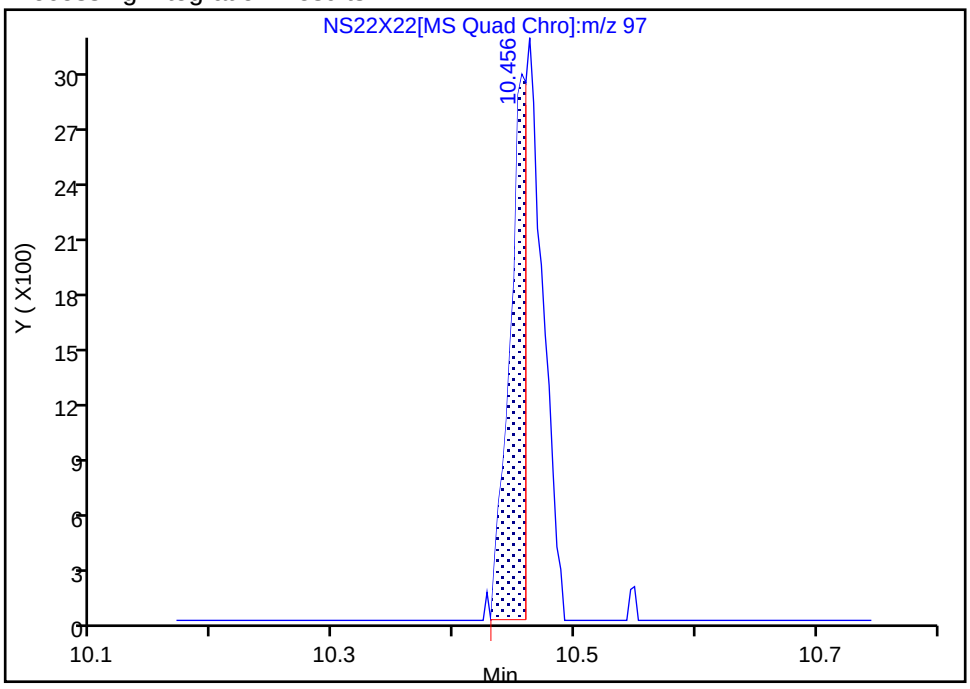
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

122 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

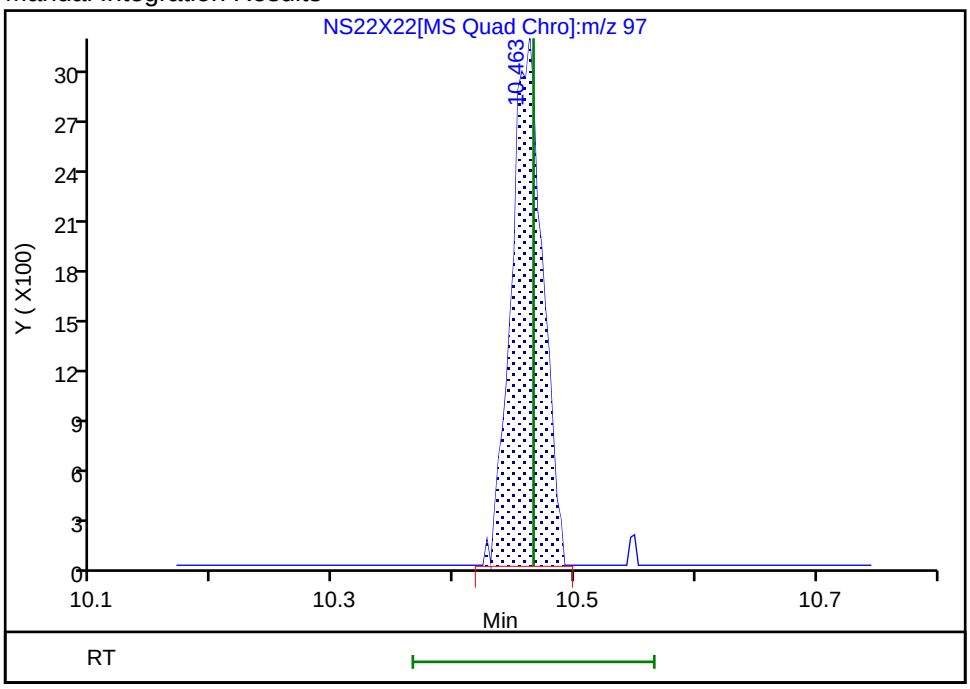
Processing Integration Results

RT: 10.46
Area: 2862
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 10.46
Area: 5627
Amount: 0.985885
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:17:05 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

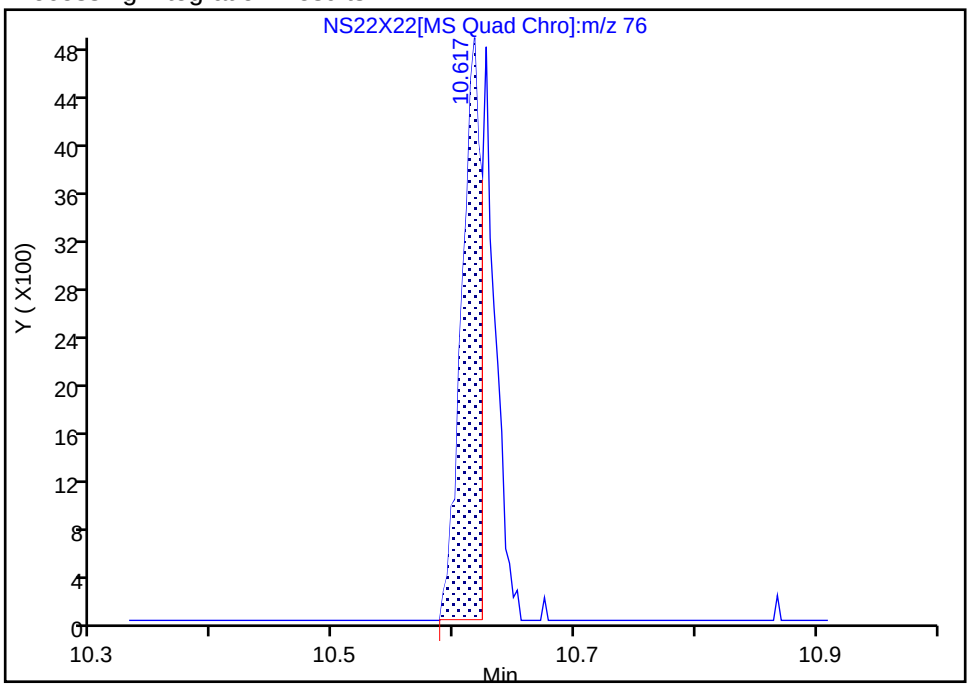
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

124 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

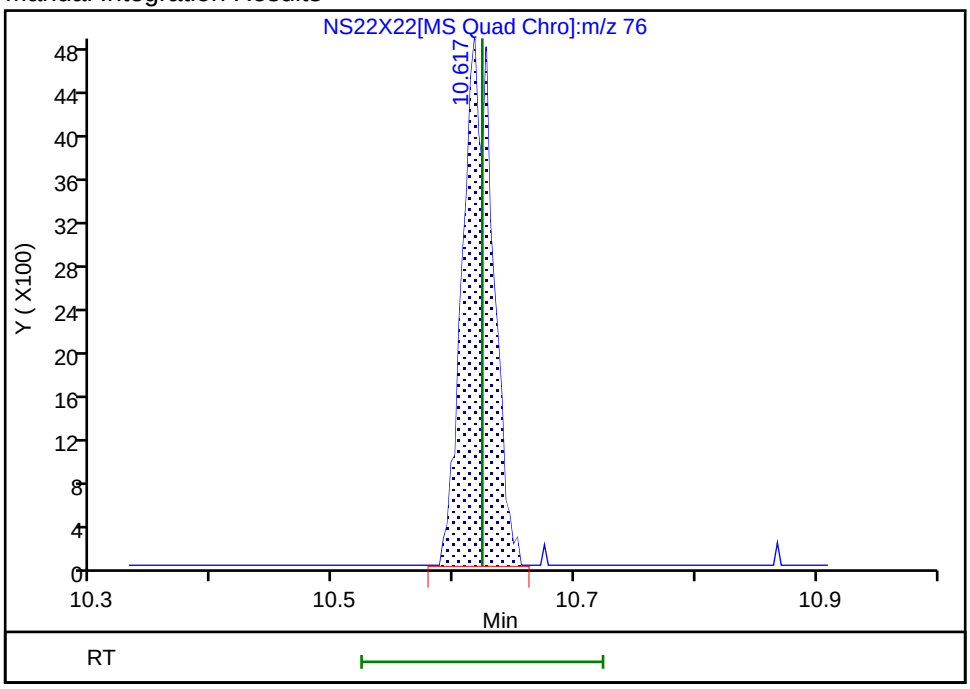
Processing Integration Results

RT: 10.62
Area: 5460
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 10.62
Area: 8520
Amount: 0.995800
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:17:11 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

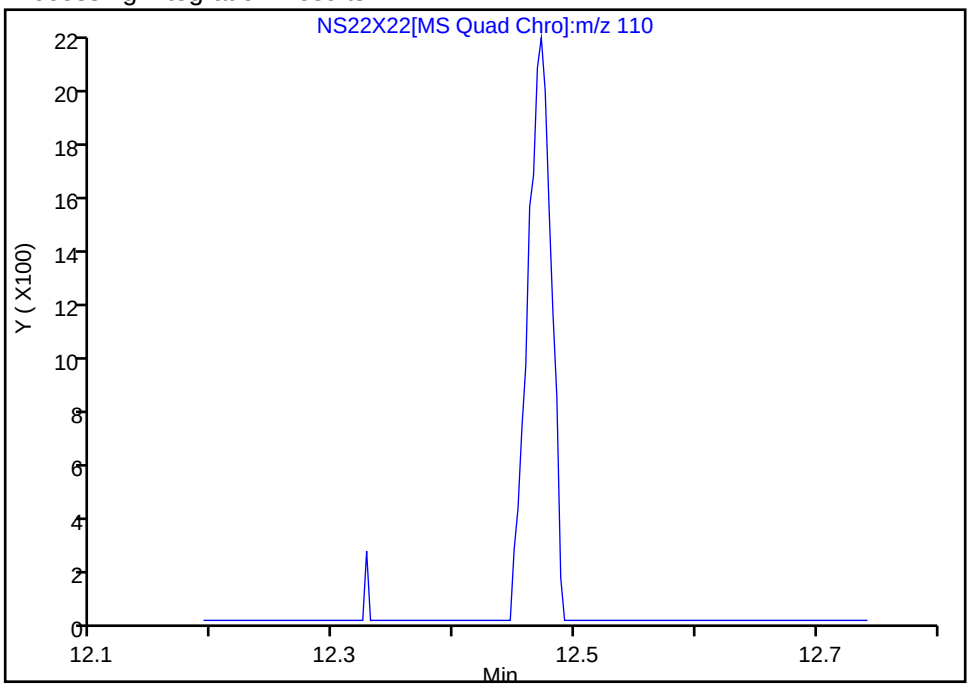
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D				
Injection Date:	22-Sep-2025 22:39:28	Instrument ID:	7159		
Lims ID:	IC v1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	21	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

148 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

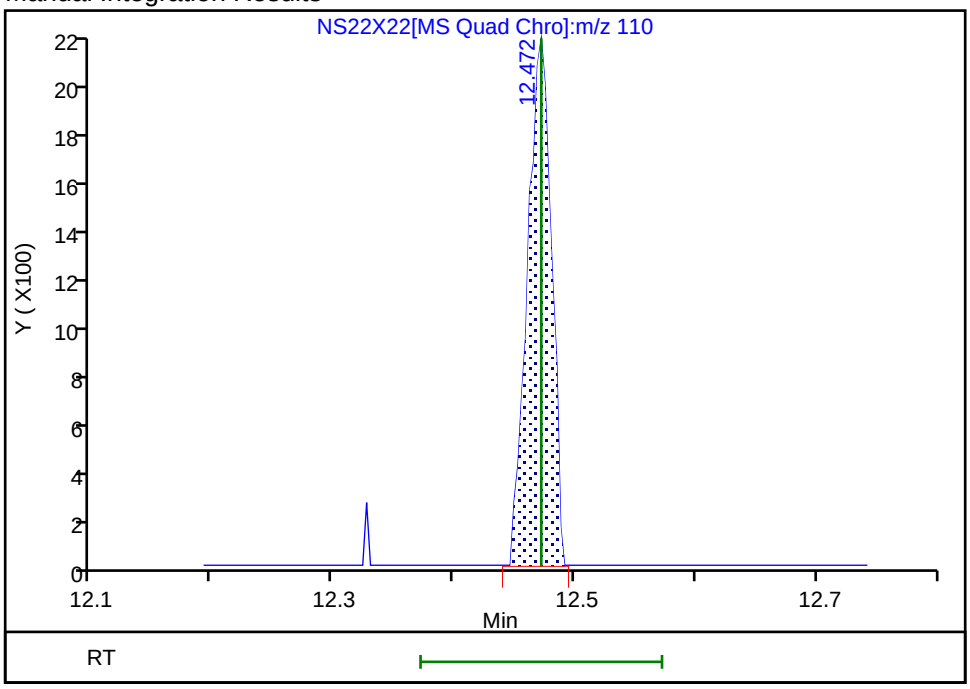
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 2998
Amount: 0.938185
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:16:29 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

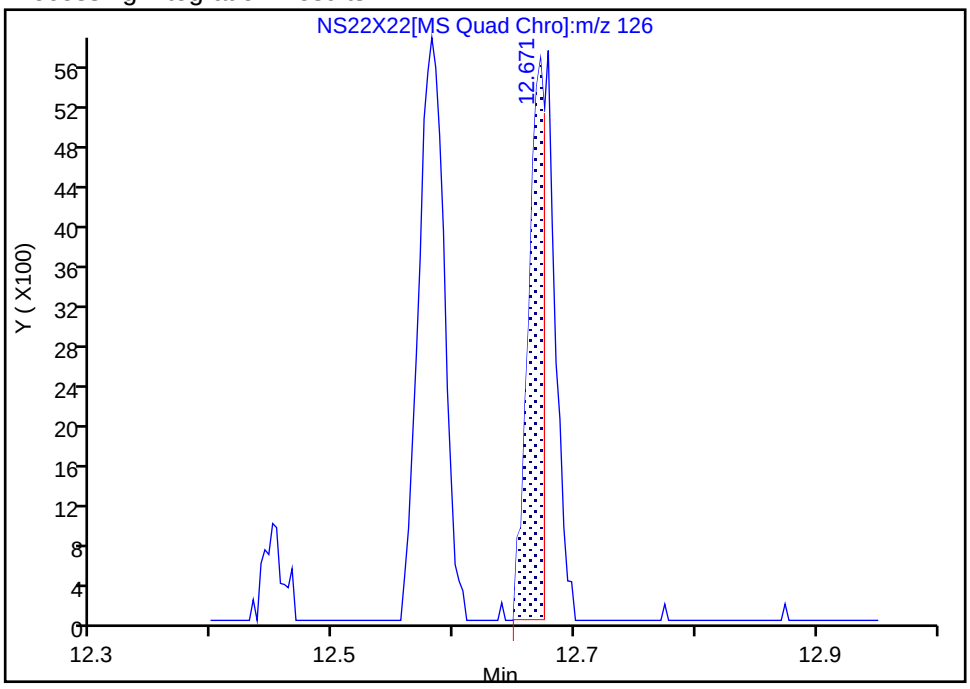
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

152 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

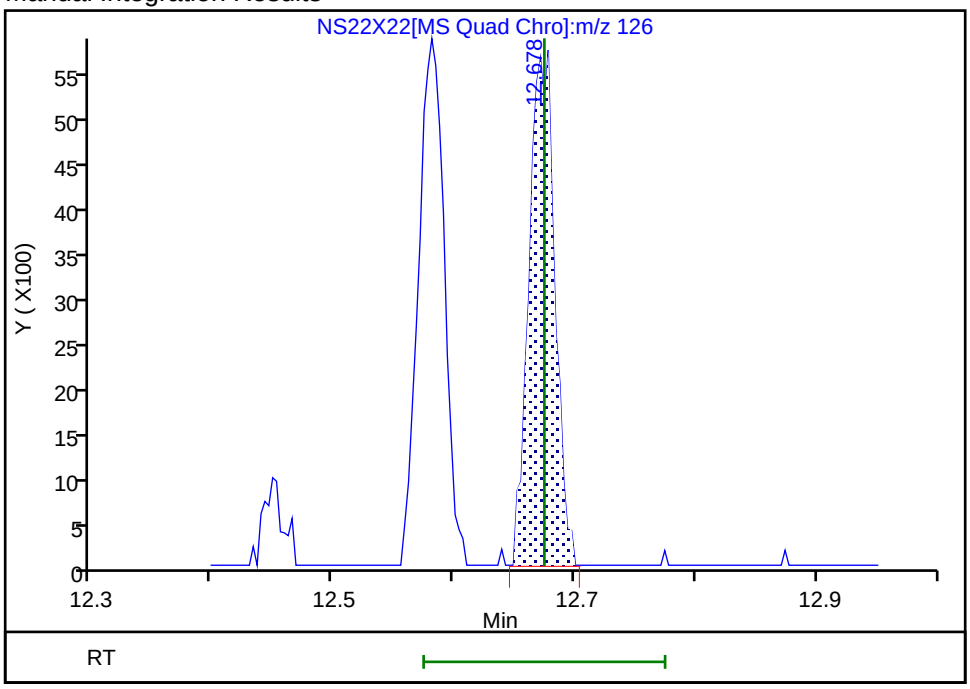
Processing Integration Results

RT: 12.67
Area: 5342
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 12.68
Area: 8446
Amount: 0.939956
Amount Units: ug/l



Reviewer: UKEK, 23-Sep-2025 09:30:38 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

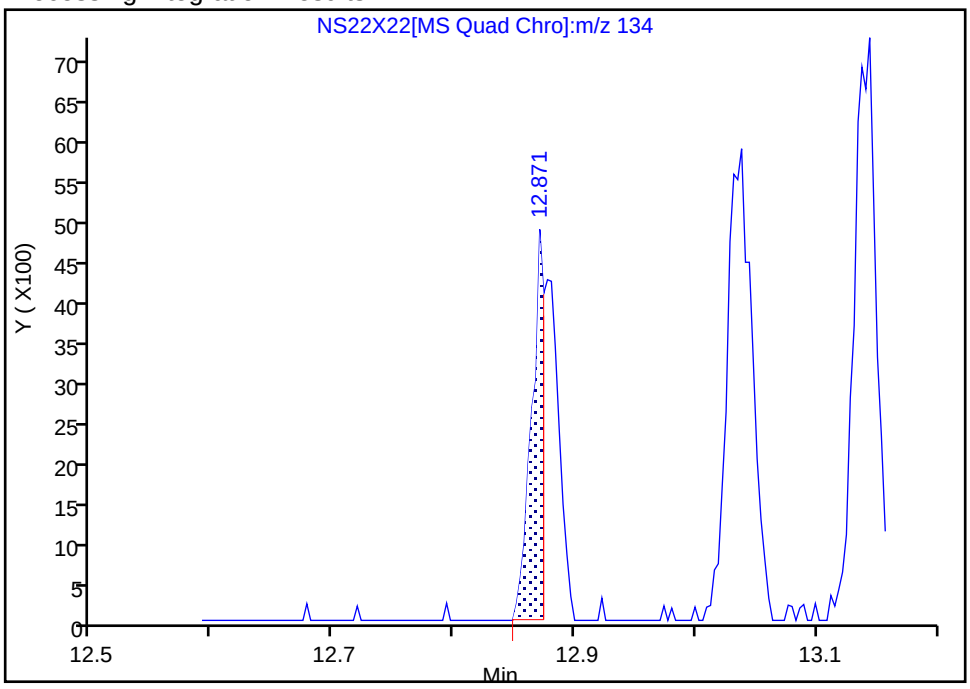
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

154 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

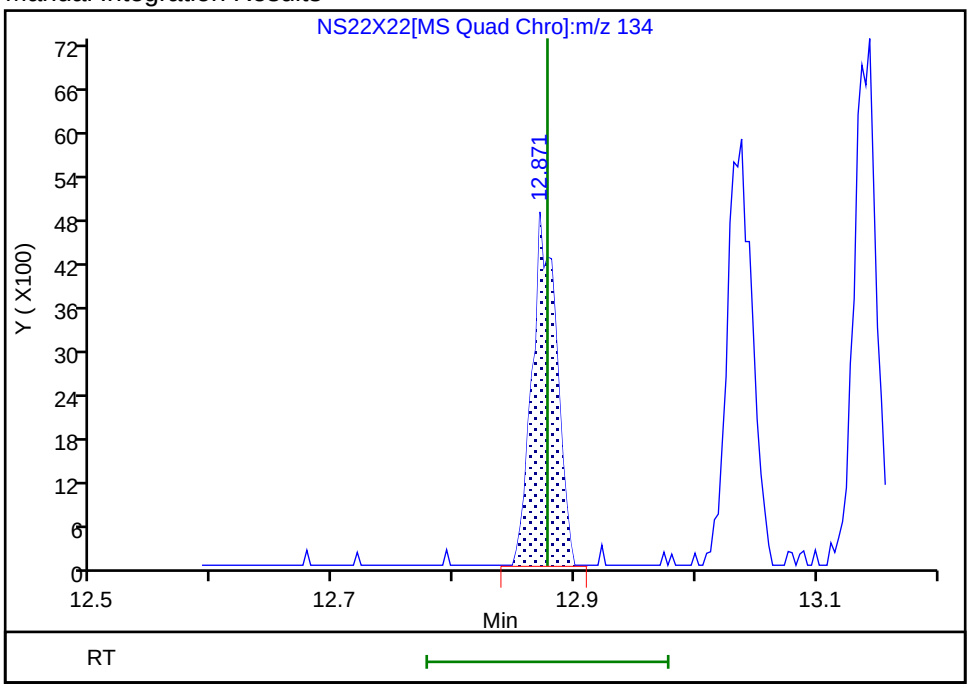
Processing Integration Results

RT: 12.87
Area: 3510
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 12.87
Area: 6744
Amount: 0.936904
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:17:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

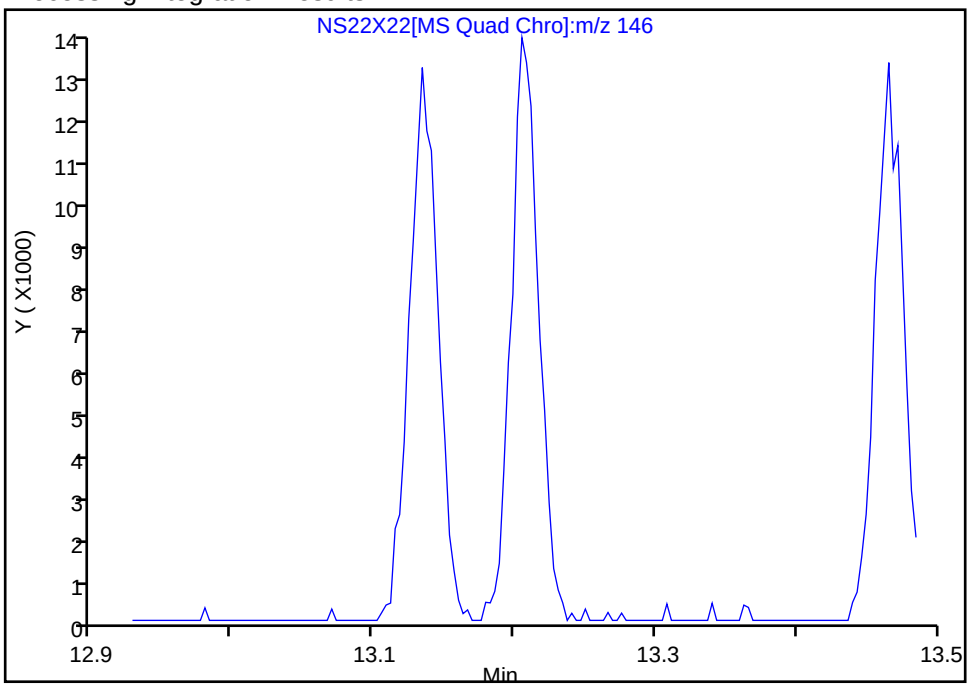
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X22.D
Injection Date: 22-Sep-2025 22:39:28 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

161 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

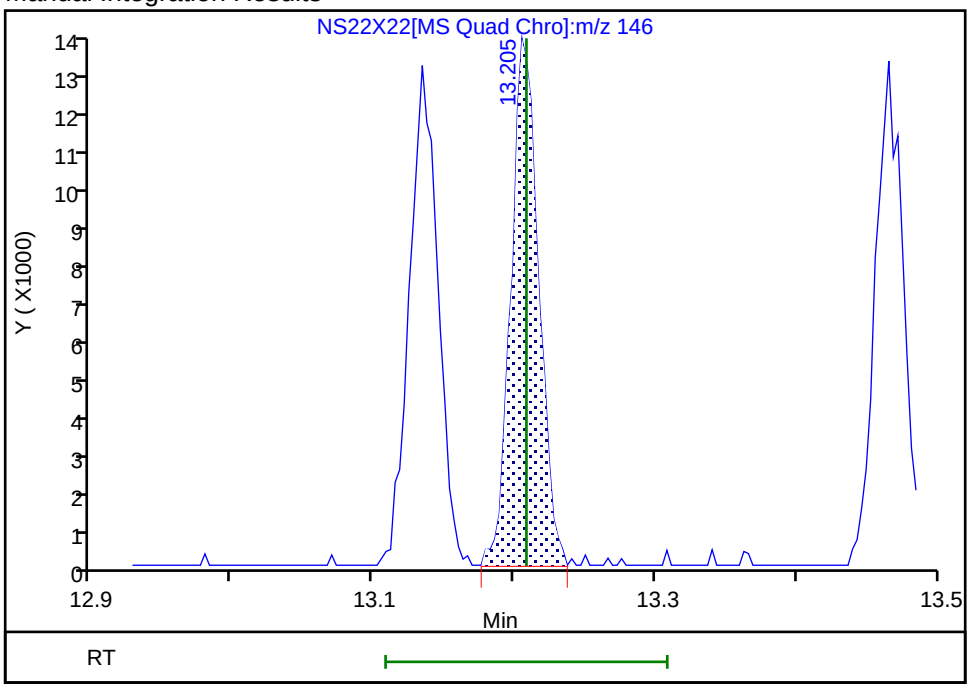
Not Detected
Expected RT: 13.21

Processing Integration Results



Manual Integration Results

RT: 13.21
Area: 18268
Amount: 0.996257
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:14:32 -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\7159\20250922-160533.b\NS22X23.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Sep-2025 22:59:14 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0160533-013
Misc. Info.: IC V4
Operator ID: kas02648 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub47

Method: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 23-Sep-2025 09:35:54 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: JS6E Date: 22-Sep-2025 23:44:30

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.984					ND	
2	Dichlorodifluoromethane	85	2.035	2.025	0.010	99	62478	4.00	3.53	
3	Chlorodifluoromethane	51		2.041					ND	U
4	Chloromethane	50	2.234	2.231	0.003	98	50624	4.00	3.99	
5	Butadiene	39	2.357	2.350	0.007	91	32785	4.00	4.00	
6	Vinyl chloride	62	2.363	2.363	0.000	97	50144	4.00	3.91	
7	2-Chloro-1,1,1-Trifluoroethane	118		2.443					ND	U
8	Bromomethane	94	2.713	2.704	0.009	91	40625	4.00	4.07	
9	Chloroethane	64	2.810	2.810	0.000	99	23690	4.00	4.02	
10	Dichlorofluoromethane	67	3.077	3.074	0.003	97	68659	4.00	4.08	
11	Trichlorofluoromethane	101	3.151	3.141	0.010	94	63230	4.00	3.68	
12	Pentane	43	3.186	3.176	0.010	95	36588	4.00	4.60	
13	Ethanol	45	3.279	3.328	-0.049	22	22837	250.0	263.9	M
15	1,2-Dichloro-1,1,2-trifluoroetha	67	3.517	3.511	0.006	87	30180	4.00	3.94	M
16	Acrolein	56	3.611	3.607	0.004	99	55096	39.0	38.6	
17	1,1-Dichloroethene	96	3.752	3.752	0.000	97	25473	4.00	4.31	M
18	1,1,2-Trichloro-1,2,2-trifluoroe	101	3.794	3.791	0.003	89	37729	4.00	4.42	M
19	Acetone	58	3.800	3.794	0.006	64	5787	8.00	8.01	
20	Iodomethane	142	3.958	3.964	-0.006	96	61387	4.00	4.35	
21	Isopropyl alcohol	45	3.996	3.984	0.012	55	20235	20.0	22.3	M
22	Carbon disulfide	76	4.074	4.070	0.004	99	86112	4.00	4.36	
24	Methyl acetate	43	4.257	4.254	0.003	37	19862	4.00	4.46	M
25	3-Chloro-1-propene	41	4.286	4.283	0.003	88	31576	4.00	4.58	M
26	Methylene Chloride	84	4.492	4.485	0.007	86	27398	4.00	4.25	M
* 27	t-Butyl alcohol-d10 (IS)	65	4.521	4.530	-0.009	92	313545	250.0	250.0	M
28	2-Methyl-2-propanol	59	4.662	4.665	-0.003	63	25431	20.0	19.2	M
29	Acrylonitrile	53	4.861	4.861	0.000	99	25232	10.0	10.1	
32	Methyl tert-butyl ether	73	4.906	4.910	-0.004	92	81806	4.00	4.05	
31	trans-1,2-Dichloroethene	96	4.916	4.913	0.003	94	29475	4.00	4.48	M
33	Hexane	57	5.344	5.347	-0.003	92	33610	4.00	4.52	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	5.598	5.591	0.007	75	42571	4.00	4.28	M
36 Isopropyl ether	45	5.656	5.652	0.004	94	64691	4.00	4.03	M
37 2-Chloro-1,3-butadiene	53	5.694	5.697	-0.003	91	35471	4.00	4.26	M
S 38 1,2-Dichloroethene, Total	100				0			8.85	
39 Tert-butyl ethyl ether	59	6.183	6.186	-0.003	94	71137	4.00	3.98	M
40 2-Butanone (MEK)	43	6.402	6.401	0.001	50	26088	8.00	8.17	M
41 cis-1,2-Dichloroethene	96	6.418	6.424	-0.006	64	33033	4.00	4.37	M
43 2,2-Dichloropropane	77	6.447	6.443	0.004	81	48062	4.00	4.30	M
44 Propionitrile	54	6.495	6.508	-0.013	87	22522	20.0	19.7	M
45 Methyl acrylate	55	6.524	6.524	0.000	99	26314	4.00	3.97	
46 Methacrylonitrile	67	6.710	6.713	-0.003	87	26813	10.0	9.89	M
47 Chlorobromomethane	128	6.749	6.752	-0.003	86	17222	4.00	4.18	
48 Tetrahydrofuran	71	6.762	6.768	-0.006	83	20925	20.0	19.7	
49 Chloroform	83	6.897	6.906	-0.009	93	51532	4.00	4.18	
$ 50 Dibromofluoromethane (Surr)	113	7.112	7.115	-0.003	94	306329	50.0	50.4	
51 1,1,1-Trichloroethane	97	7.119	7.128	-0.009	36	53334	4.00	4.22	M
52 Cyclohexane	56	7.218	7.215	0.003	88	46500	4.00	4.31	
53 Carbon tetrachloride	117	7.328	7.334	-0.006	96	50477	4.00	4.26	
54 1,1-Dichloropropene	75	7.328	7.334	-0.006	95	35185	4.00	4.30	
55 Isobutyl alcohol	41	7.495	7.495	0.000	75	17881	50.0	48.9	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.569	7.575	-0.006	92	68620	50.0	50.1	
57 Benzene	78	7.604	7.594	0.010	94	99455	4.00	4.09	M
59 1,2-Dichloroethane	62	7.675	7.675	0.000	99	32434	4.00	4.10	
60 Tert-amyl methyl ether	73	7.774	7.787	-0.013	98	70787	4.00	3.92	M
* 62 Fluorobenzene (IS)	96	7.993	7.999	-0.006	99	1069281	50.0	50.0	
63 n-Heptane	43	8.000	8.000	0.000	41	26780	4.00	4.28	
64 n-Butanol	56	8.360	8.356	0.004	91	13148	50.0	47.0	
65 Trichloroethene	95	8.466	8.463	0.003	86	29850	4.00	4.15	M
66 Ethyl acrylate	55	8.582	8.585	-0.003	98	29383	4.00	3.84	
67 Methylcyclohexane	83	8.765	8.768	-0.003	88	54190	4.00	4.19	
68 2-ethoxy-2-methyl butane	87	8.797	8.803	-0.006	93	39080	4.00	4.01	
69 1,2-Dichloropropane	63	8.800	8.803	-0.003	70	22909	4.00	3.99	M
70 Methyl methacrylate	69	8.881	8.881	0.000	80	17288	4.00	3.87	
71 1,4-Dioxane	88	8.897	8.900	-0.003	37	4818	50.0	49.9	
72 Dibromomethane	93	8.906	8.909	-0.003	89	16783	4.00	3.94	
74 Dichlorobromomethane	83	9.138	9.138	0.000	98	33531	4.00	3.95	
75 2-Nitropropane	41	9.405	9.411	-0.006	100	34001	20.0	18.6	
76 2-Chloroethyl vinyl ether	63	9.485	9.485	0.000	93	14530	4.00	3.97	
77 cis-1,3-Dichloropropene	75	9.655	9.659	-0.004	96	35834	4.00	3.96	
78 4-Methyl-2-pentanone (MIBK)	43	9.823	9.826	-0.003	96	52289	8.00	7.29	
$ 79 Toluene-d8 (Surr)	98	9.948	9.951	-0.003	93	1044213	50.0	50.7	
118 Toluene	92	10.022	10.025	-0.003	98	65791	4.00	4.13	
S 119 1,3-Dichloropropene, Total	100				0			7.88	
120 trans-1,3-Dichloropropene	75	10.266	10.266	0.000	91	31562	4.00	3.93	
121 Ethyl methacrylate	69	10.318	10.324	-0.006	87	29567	4.00	3.90	
122 1,1,2-Trichloroethane	97	10.466	10.466	0.000	90	23264	4.00	4.15	
123 Tetrachloroethene	166	10.540	10.543	-0.003	97	38897	4.00	4.35	
124 1,3-Dichloropropane	76	10.620	10.623	-0.003	85	33795	4.00	4.02	M
126 2-Hexanone	43	10.668	10.671	-0.003	95	35302	8.00	7.48	
128 Chlorodibromomethane	129	10.826	10.826	0.000	90	28871	4.00	3.95	
129 Ethylene Dibromide	107	10.938	10.938	0.000	98	24534	4.00	4.06	
S 130 Xylenes, Total	106				0			12.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.353	0.000	83	838388	50.0	50.0	
132 1-Chlorohexane	91	11.353	11.356	-0.003	86	39617	4.00	4.39	
133 Chlorobenzene	112	11.379	11.379	0.000	97	78320	4.00	4.15	
134 1,1,1,2-Tetrachloroethane	131	11.459	11.456	0.003	47	33410	4.00	4.01	
135 Ethylbenzene	91	11.459	11.459	0.000	98	133487	4.00	4.22	
136 m-Xylene & p-Xylene	106	11.569	11.572	-0.003	99	104092	8.00	8.30	
137 n-Butyl acrylate	55	11.835	11.835	0.000	96	41331	4.00	3.92	
138 o-Xylene	106	11.893	11.890	0.003	95	55115	4.00	4.22	
139 Styrene	104	11.903	11.906	-0.003	94	79256	4.00	3.99	
140 Bromoform	173	12.061	12.061	0.001	97	21157	4.00	3.89	
141 Isopropylbenzene	105	12.183	12.186	-0.003	95	150583	4.00	4.17	
143 Cyclohexanone	55	12.266	12.270	-0.004	89	61566	200.0	185.5	
$ 144 4-Bromofluorobenzene (Surr)	95	12.324	12.324	0.000	97	392502	50.0	50.5	
145 1,1,2,2-Tetrachloroethane	83	12.424	12.424	0.000	96	34997	4.00	3.81	
146 Bromobenzene	156	12.440	12.443	-0.003	91	38945	4.00	4.04	
147 trans-1,4-Dichloro-2-butene	53	12.450	12.450	0.000	93	22860	10.0	9.94	
148 1,2,3-Trichloropropane	110	12.472	12.472	0.000	83	12549	4.00	4.00	M
149 N-Propylbenzene	91	12.504	12.504	0.000	98	166564	4.00	4.12	
150 2-Chlorotoluene	126	12.581	12.581	0.000	98	37614	4.00	4.08	
151 1,3,5-Trimethylbenzene	105	12.636	12.636	0.000	94	126119	4.00	3.95	
152 4-Chlorotoluene	126	12.671	12.675	-0.004	97	35784	4.00	4.05	
154 tert-Butylbenzene	134	12.880	12.877	0.003	91	28009	4.00	3.96	M
155 1,2,4-Trimethylbenzene	105	12.916	12.919	-0.003	96	128164	4.00	3.94	
157 sec-Butylbenzene	105	13.038	13.038	0.000	94	162718	4.00	4.03	
158 1,3-Dichlorobenzene	146	13.138	13.138	0.000	98	73676	4.00	4.08	
159 4-Isopropyltoluene	119	13.141	13.141	0.000	97	144689	4.00	3.98	
* 160 1,4-Dichlorobenzene-d4	152	13.189	13.189	0.000	93	523411	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.208	13.208	0.000	70	74323	4.00	4.12	M
162 1,2,3-Trimethylbenzene	105	13.218	13.218	0.000	98	132386	4.00	4.01	
163 Benzyl chloride	91	13.289	13.286	0.003	98	62511	4.00	3.82	
164 1,3-Diethylbenzene	119	13.337	13.340	-0.003	95	78483	4.00	3.93	
165 p-Diethylbenzene	119	13.408	13.411	-0.003	94	82439	4.00	3.94	
166 n-Butylbenzene	92	13.430	13.430	0.000	97	63021	4.00	4.05	
167 1,2-Dichlorobenzene	146	13.469	13.466	0.003	99	73299	4.00	4.07	
168 o-diethylbenzene	119	13.482	13.482	0.000	93	71116	4.00	3.97	
170 1,2-Dibromo-3-Chloropropane	75	14.006	14.003	0.003	90	9546	4.00	3.86	
171 1,3,5-Trichlorobenzene	180	14.125	14.122	0.003	96	59506	4.00	4.01	
172 1,2,4-Trichlorobenzene	180	14.546	14.543	0.003	94	57153	4.00	4.14	
173 2-Ethylhexyl acrylate	55	14.597	14.597	0.000	82	37673	4.00	3.48	
174 Hexachlorobutadiene	225	14.623	14.623	0.000	94	22913	4.00	4.00	
175 Naphthalene	128	14.732	14.729	0.003	96	165052	4.00	4.02	
176 1,2,3-Trichlorobenzene	180	14.871	14.871	0.000	96	56640	4.00	4.00	
177 2-Methylnaphthalene	142	15.514	15.517	-0.003	92	91307	4.00	3.80	
S 238 Total Diethylbenzene	1				0			11.9	

QC Flag Legend

Processing Flags

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

MSV_CCV_VOC#1_00254	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_01121	Amount Added:	2.00	Units: uL	
MSV_CCV_VOC#3_00256	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00247	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00012	Amount Added:	32.00	Units: uL	
MSV_CCV_ETOH_00011	Amount Added:	20.00	Units: uL	
MSV_CCV_OH_Sp_00026	Amount Added:	4.00	Units: uL	
MSV_Cent_ISSS_00044	Amount Added:	5.00	Units: uL	Run Reagent
MSV_V_SMFreon_00052	Amount Added:	0.00	Units:	Run Reagent

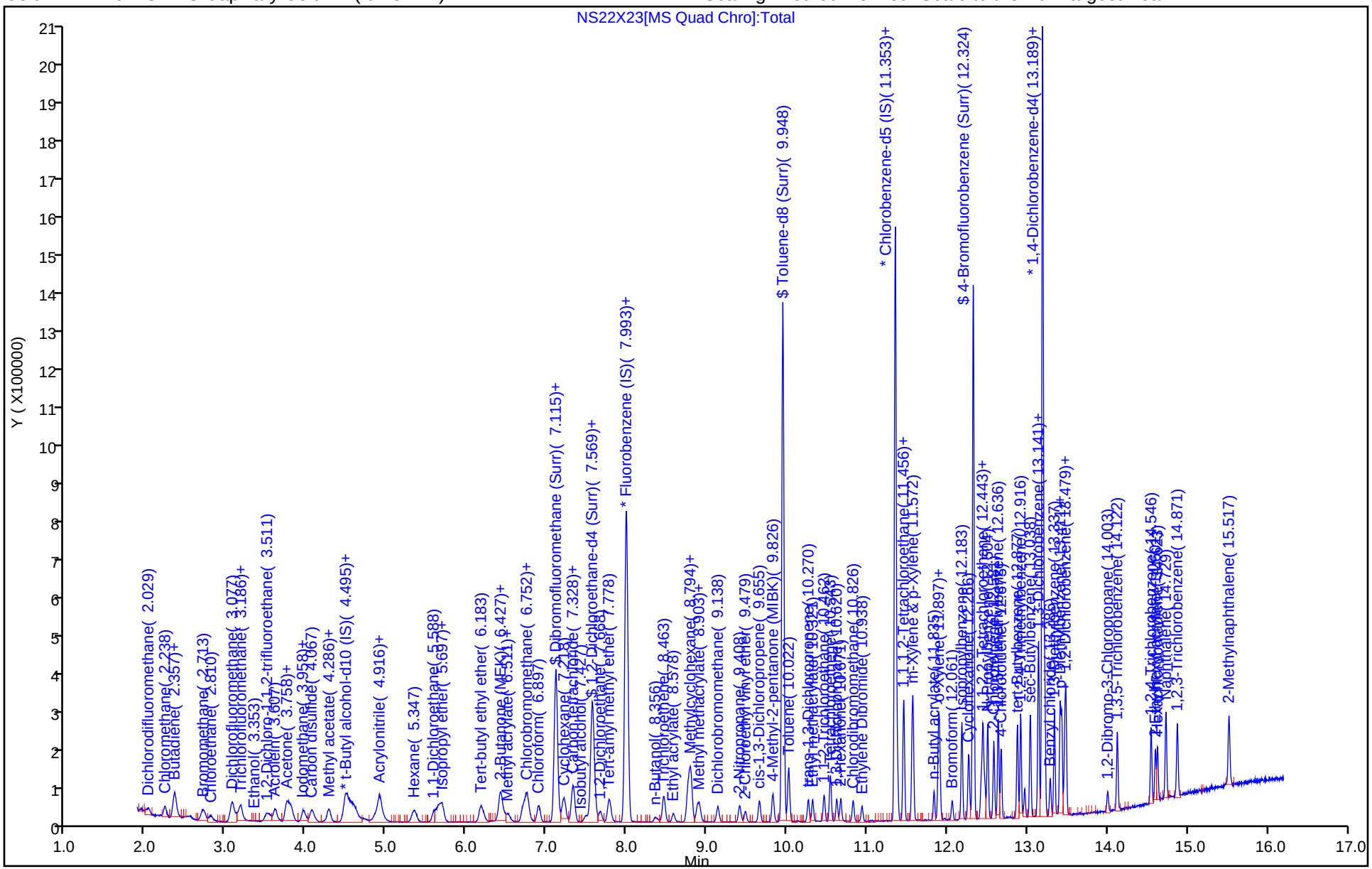
Report Date: 23-Sep-2025 09:35:55 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159	Operator ID:	kas02648
Lims ID:	IC v4			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

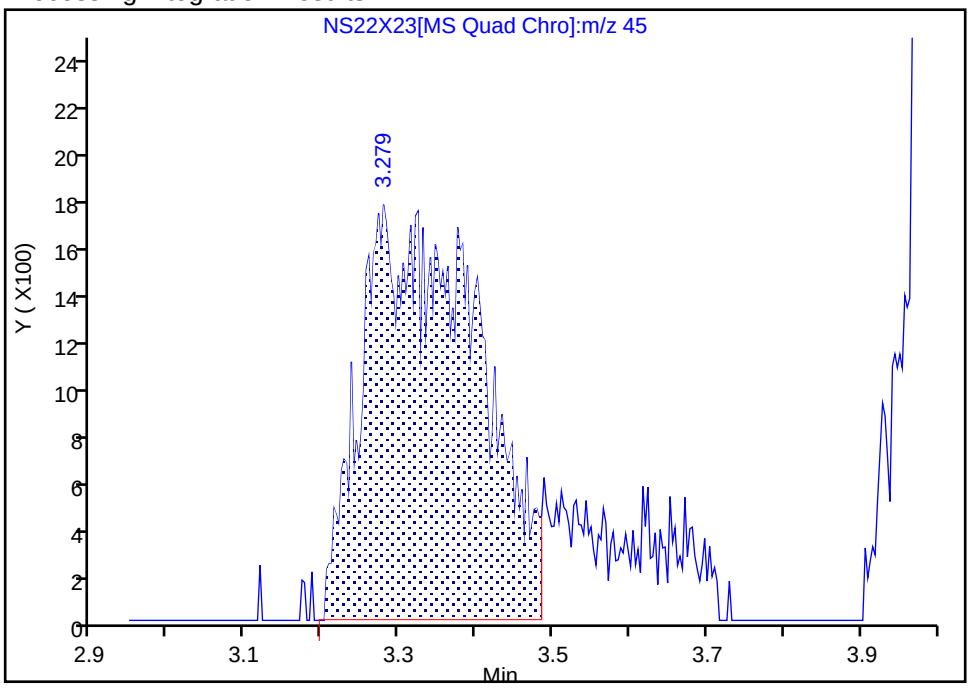
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

13 Ethanol, CAS: 64-17-5

Signal: 1

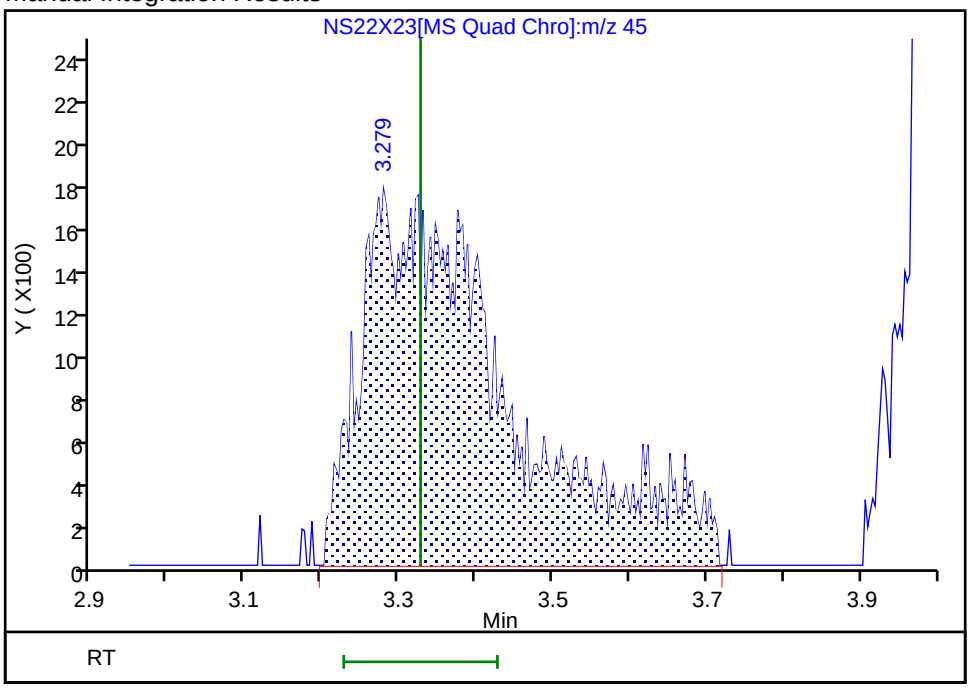
Processing Integration Results

RT: 3.28
Area: 18108
Amount: 230.1057
Amount Units: ug/l



Manual Integration Results

RT: 3.28
Area: 22837
Amount: 263.9336
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:17:56 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

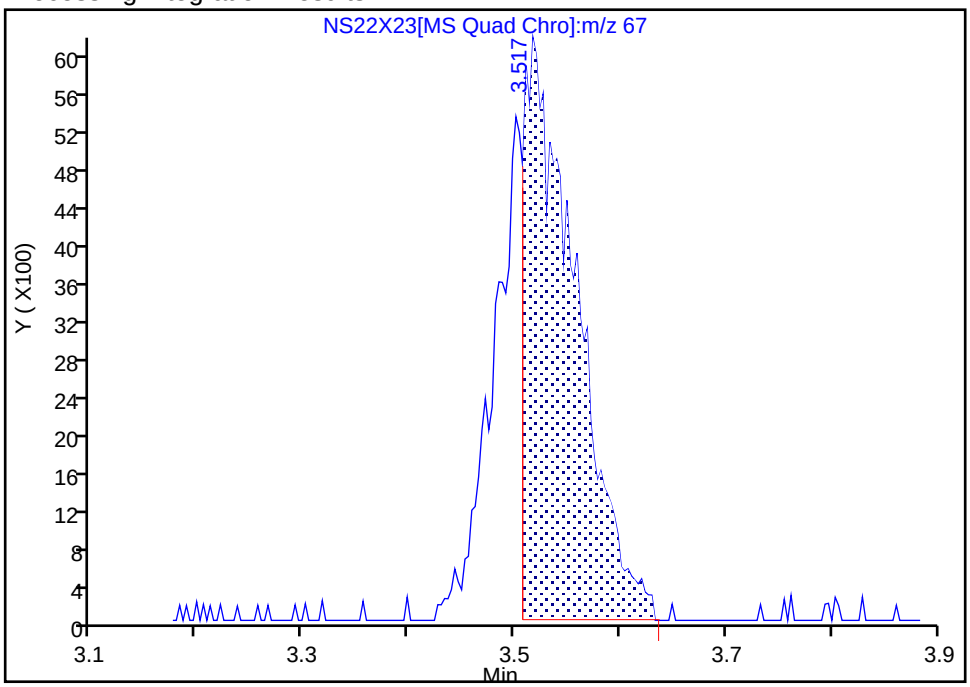
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

15 1,2-Dichloro-1,1,2-trifluoroetha, CAS: 354-23-4

Signal: 1

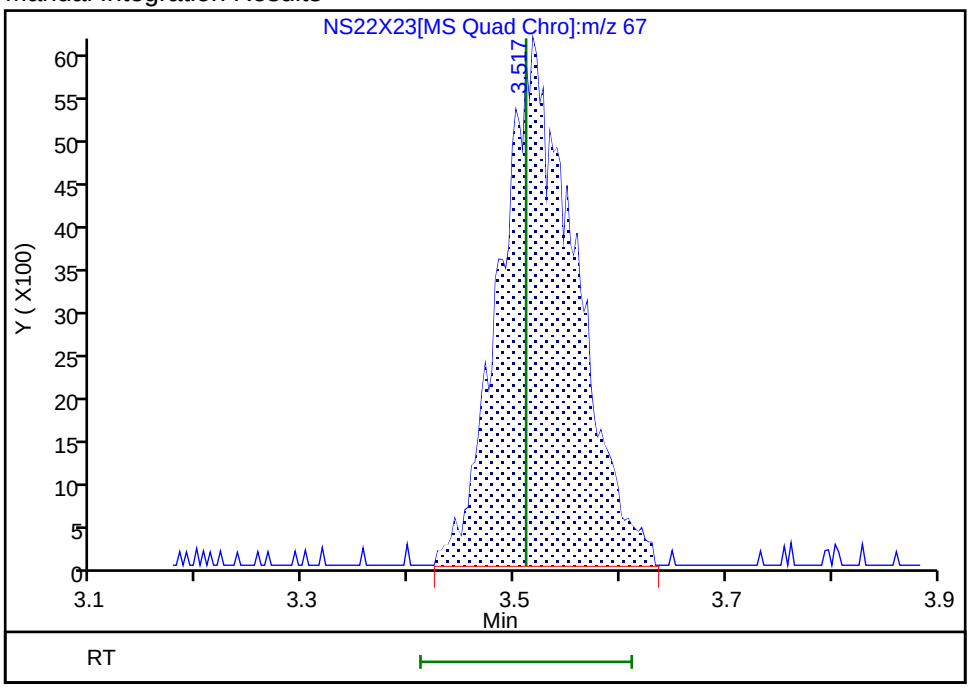
Processing Integration Results

RT: 3.52
Area: 20745
Amount: 2.829382
Amount Units: ug/l



Manual Integration Results

RT: 3.52
Area: 30180
Amount: 3.935347
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:18:04 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

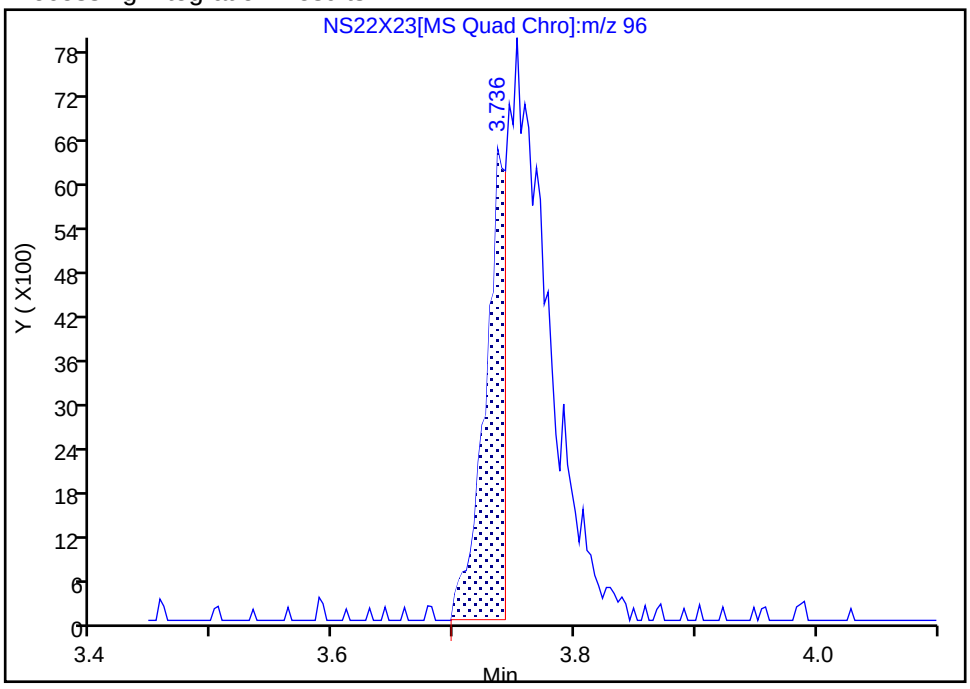
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

17 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

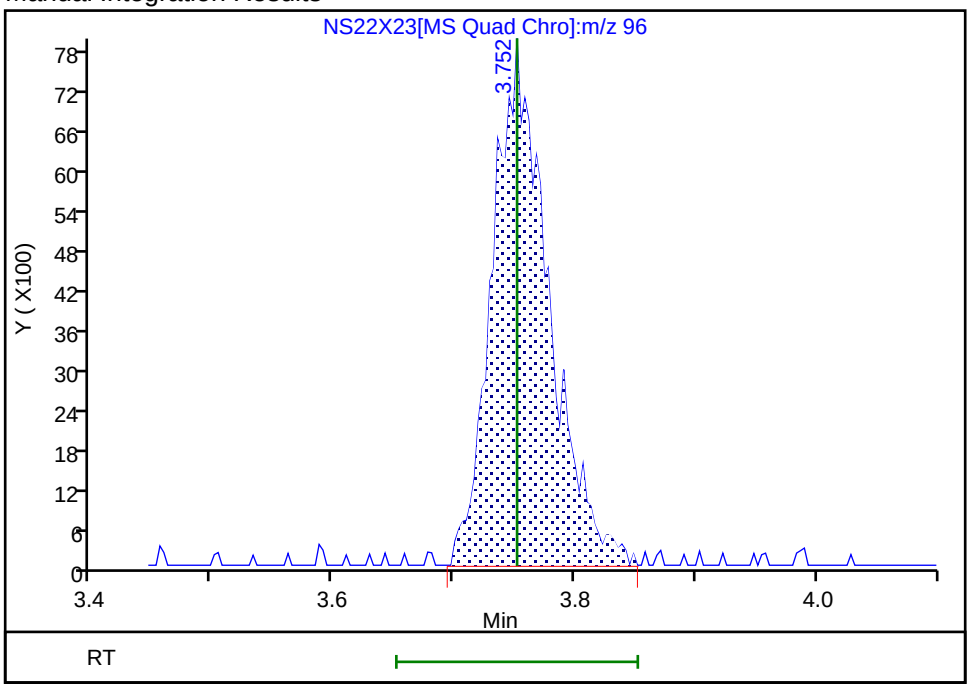
Processing Integration Results

RT: 3.74
Area: 7614
Amount: 1.445961
Amount Units: ug/l



Manual Integration Results

RT: 3.75
Area: 25473
Amount: 4.314881
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:18:10 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

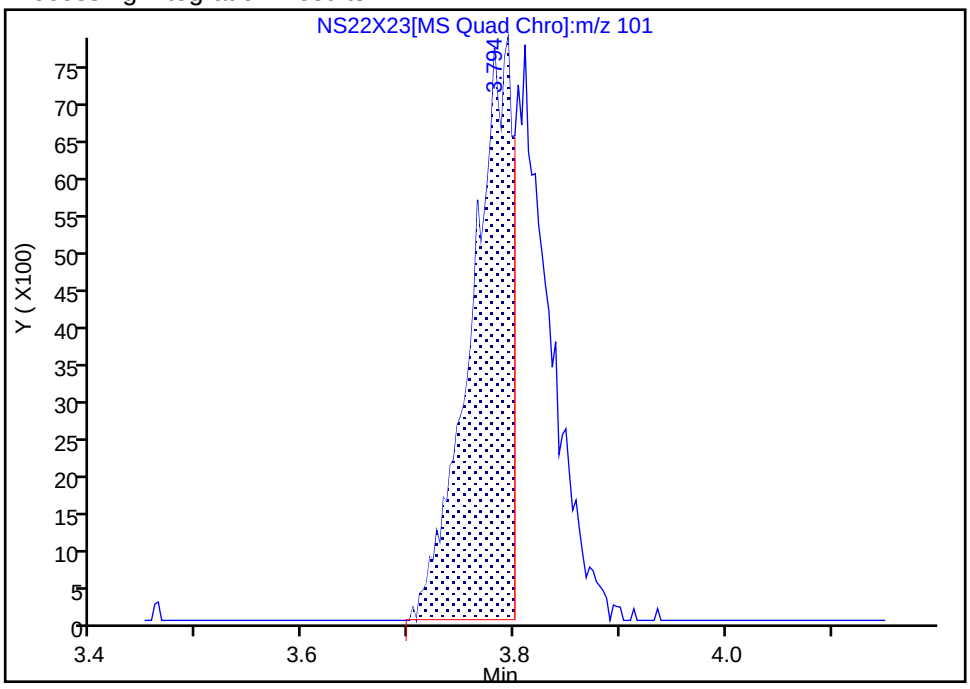
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D
Injection Date: 22-Sep-2025 22:59:14 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

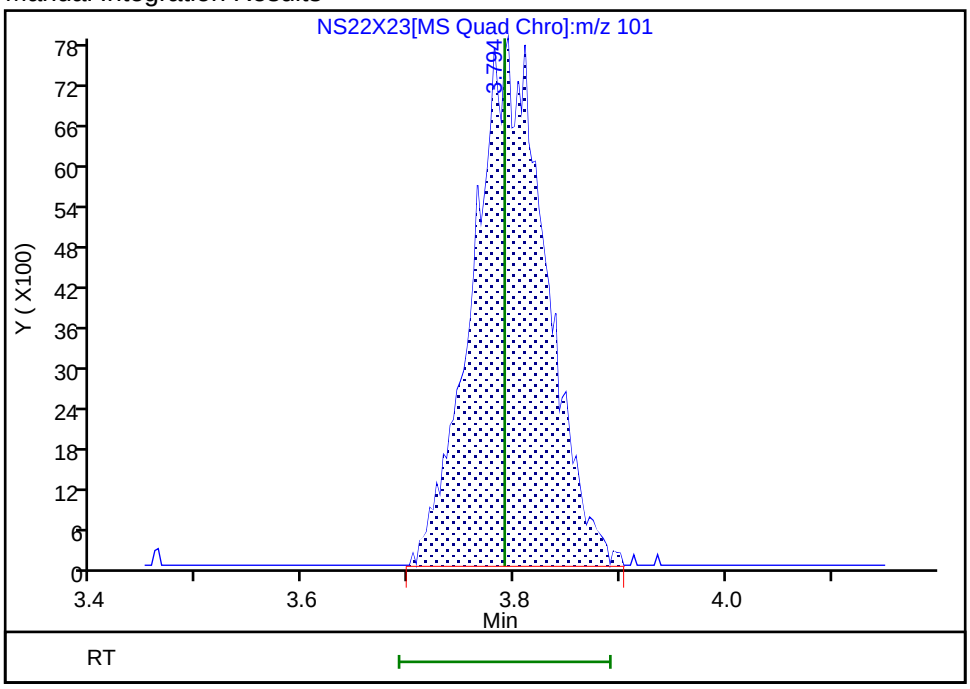
Processing Integration Results

RT: 3.79
Area: 21370
Amount: 2.826911
Amount Units: ug/l



Manual Integration Results

RT: 3.79
Area: 37729
Amount: 4.417664
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:18:15 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

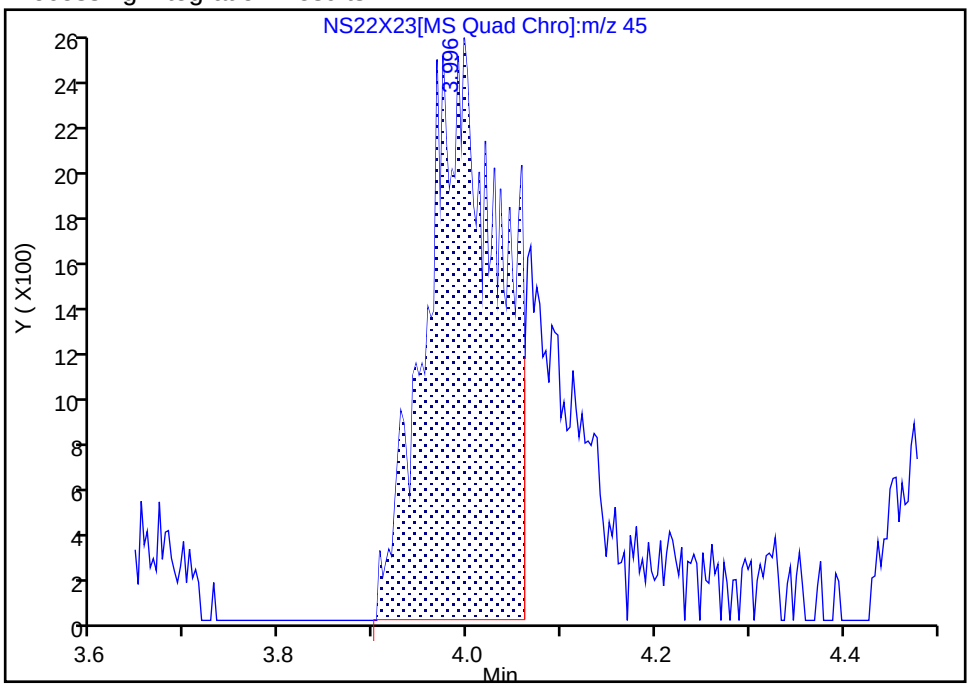
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

21 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

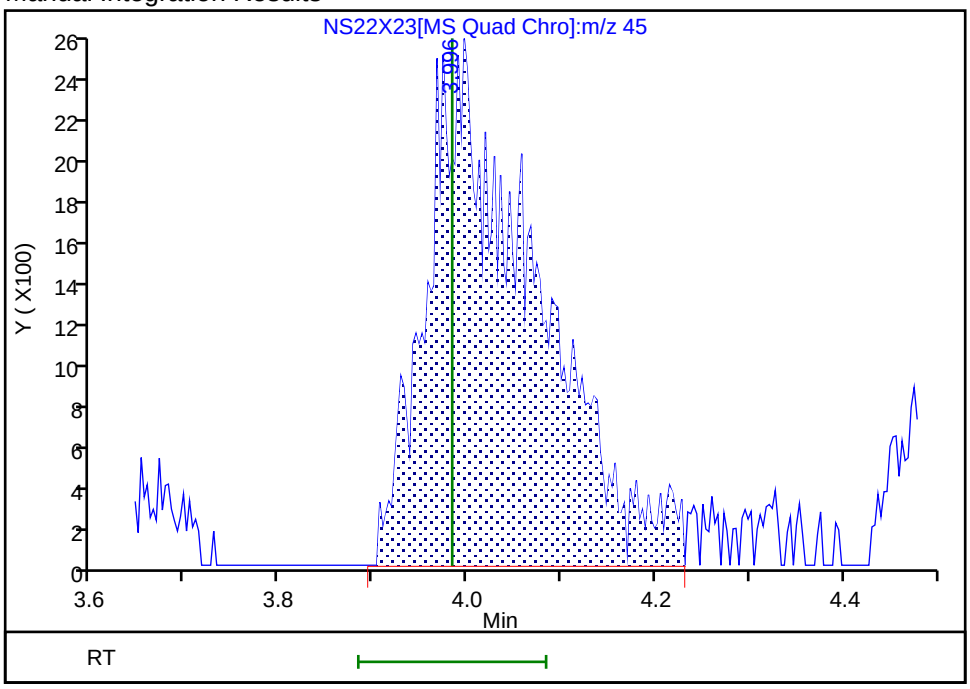
Processing Integration Results

RT: 4.00
Area: 13642
Amount: 17.494259
Amount Units: ug/l



Manual Integration Results

RT: 4.00
Area: 20235
Amount: 22.327539
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:18:22 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

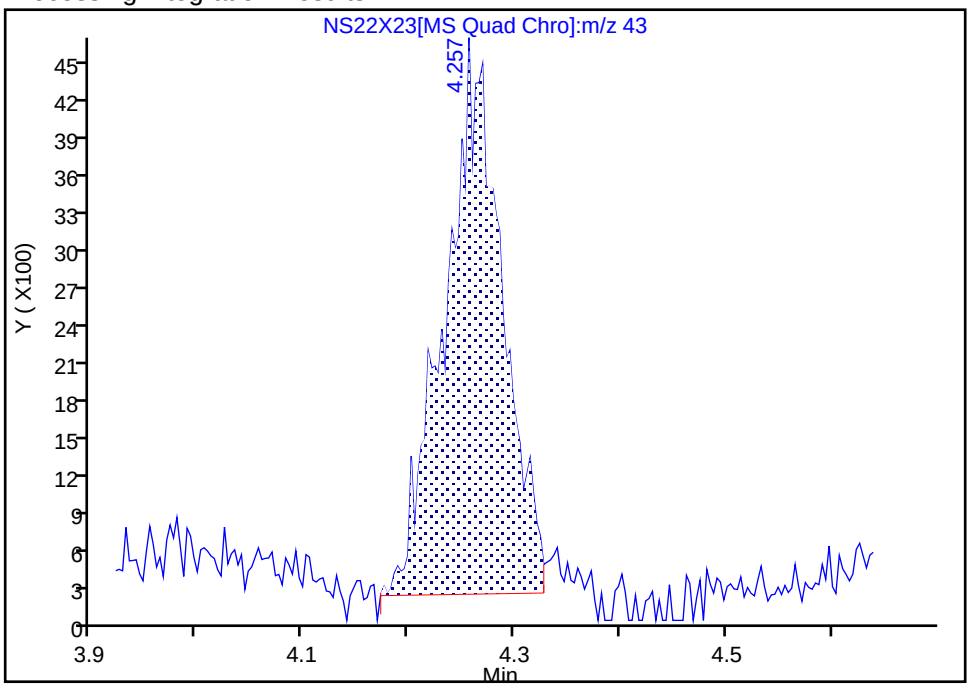
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

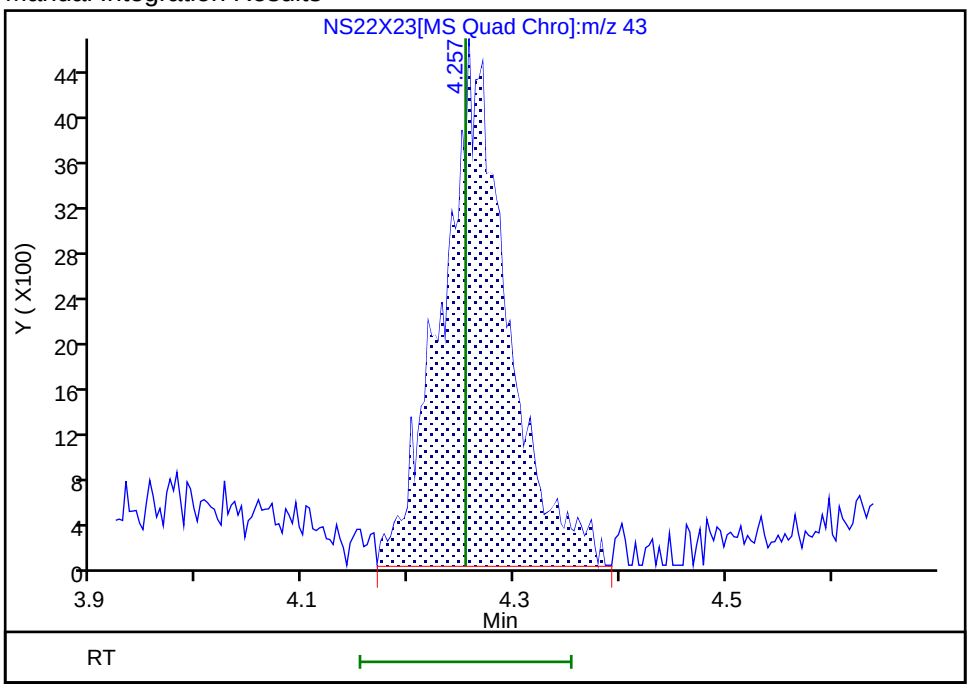
Processing Integration Results

RT: 4.26
Area: 16762
Amount: 4.048931
Amount Units: ug/l



Manual Integration Results

RT: 4.26
Area: 19862
Amount: 4.463093
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:18:30 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

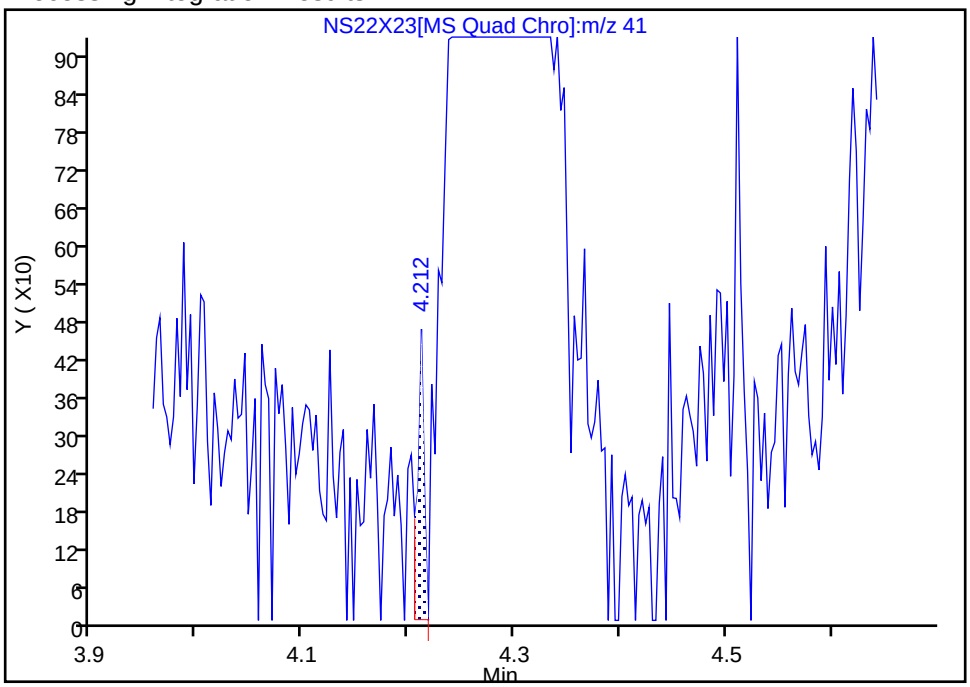
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

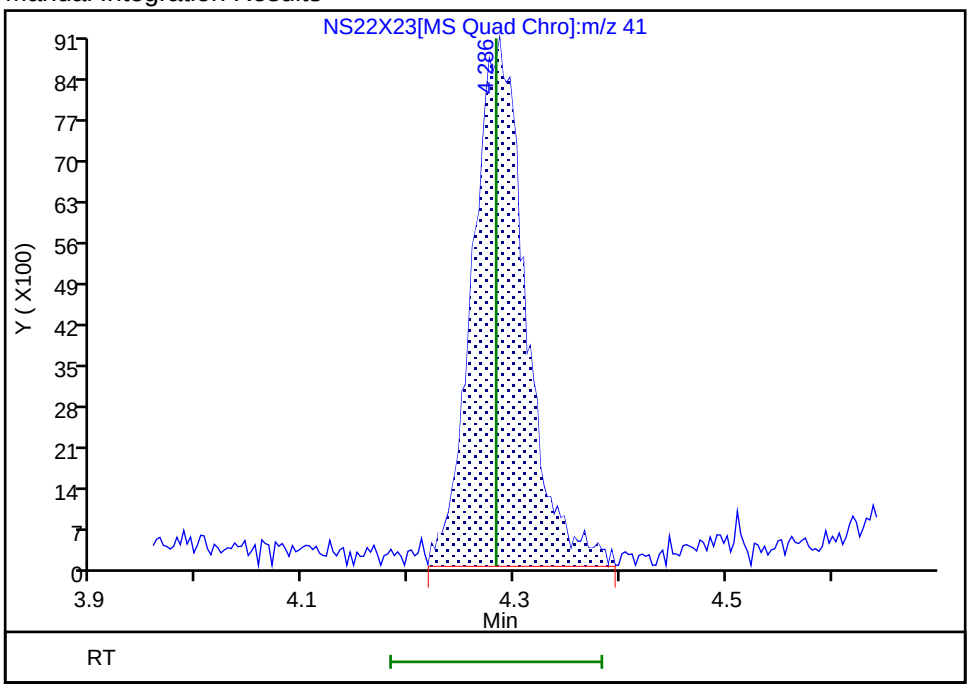
Processing Integration Results

RT: 4.21
Area: 196
Amount: 0.034053
Amount Units: ug/l



Manual Integration Results

RT: 4.29
Area: 31576
Amount: 4.583204
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:18:36 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

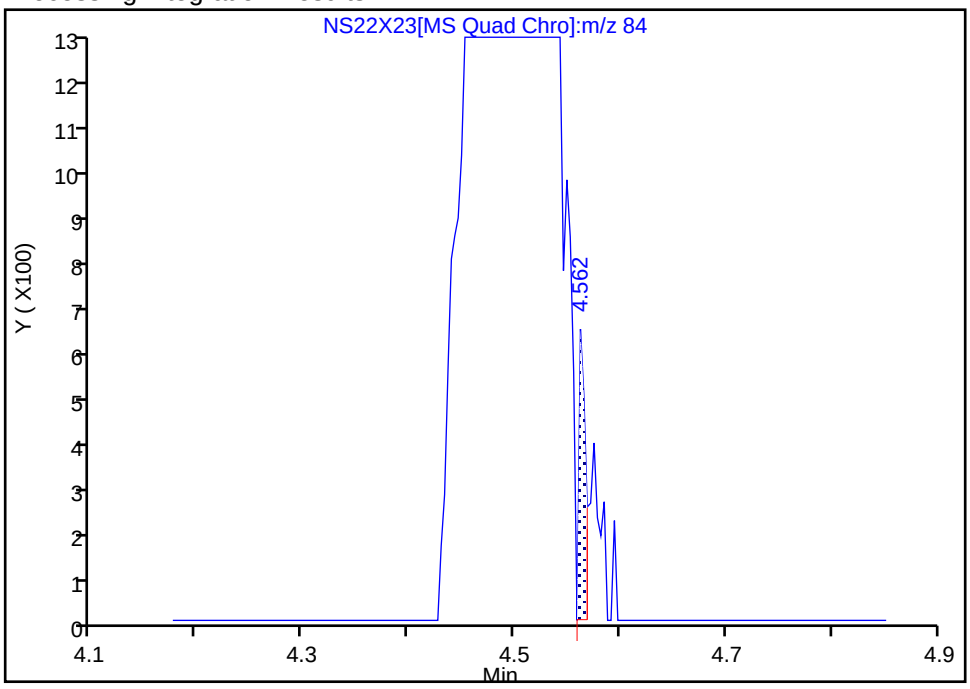
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methylene Chloride, CAS: 75-09-2

Signal: 1

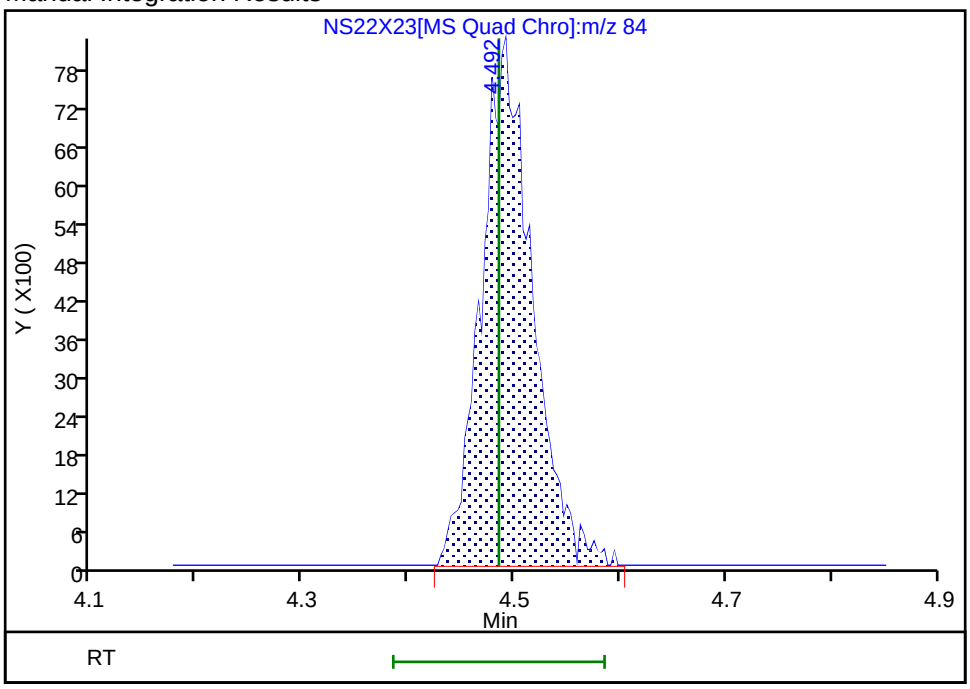
Processing Integration Results

RT: 4.56
Area: 259
Amount: 0.047227
Amount Units: ug/l



Manual Integration Results

RT: 4.49
Area: 27398
Amount: 4.245543
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:31:46 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

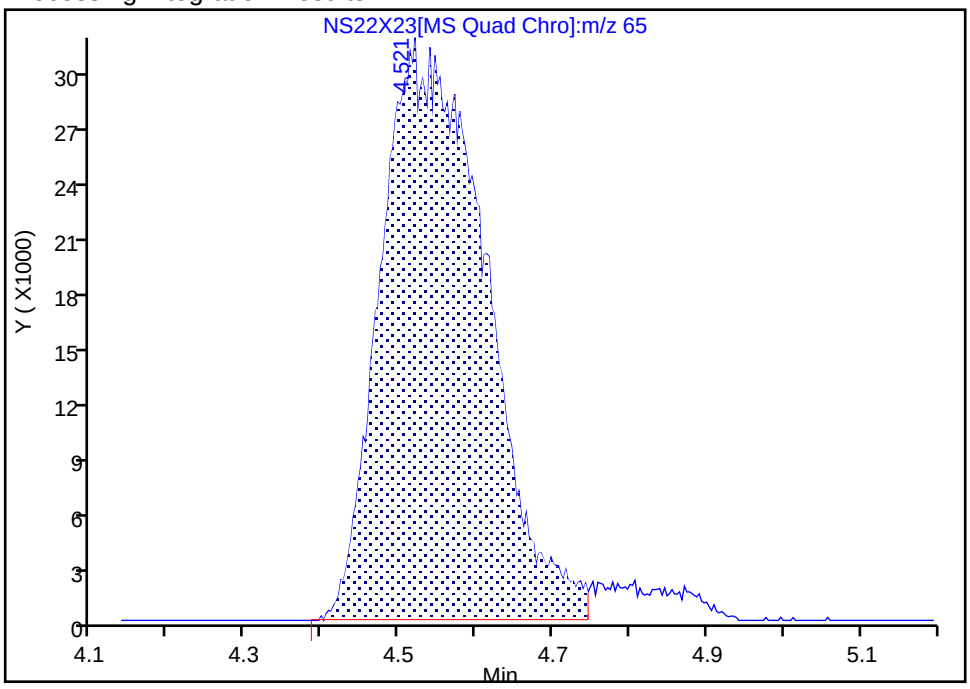
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D
Injection Date: 22-Sep-2025 22:59:14 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 27 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

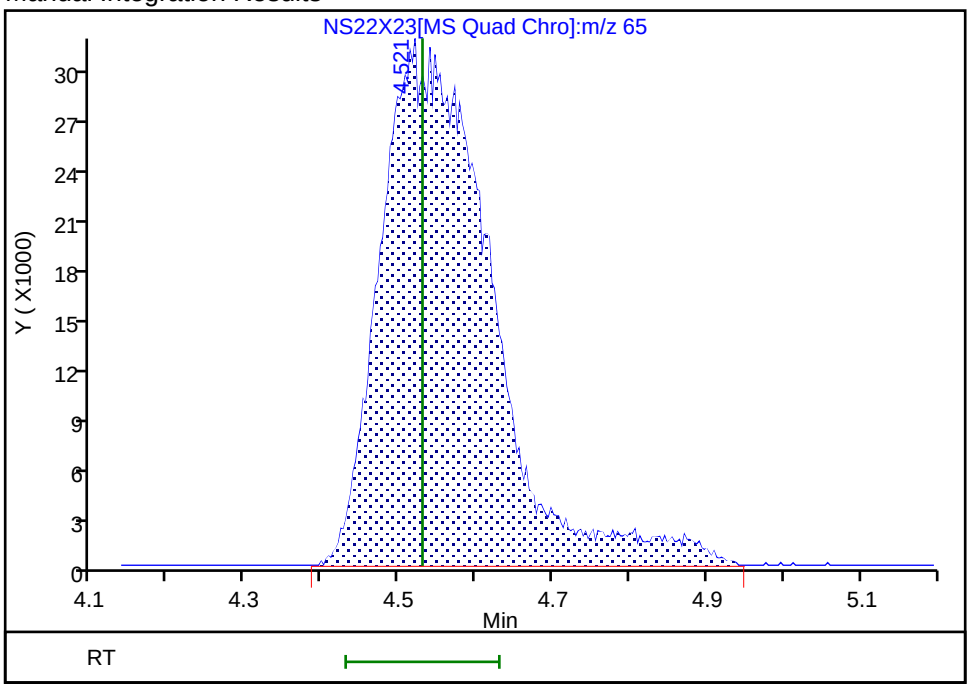
Processing Integration Results

RT: 4.52
Area: 297715
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.52
Area: 313545
Amount: 250.0000
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:18:51 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

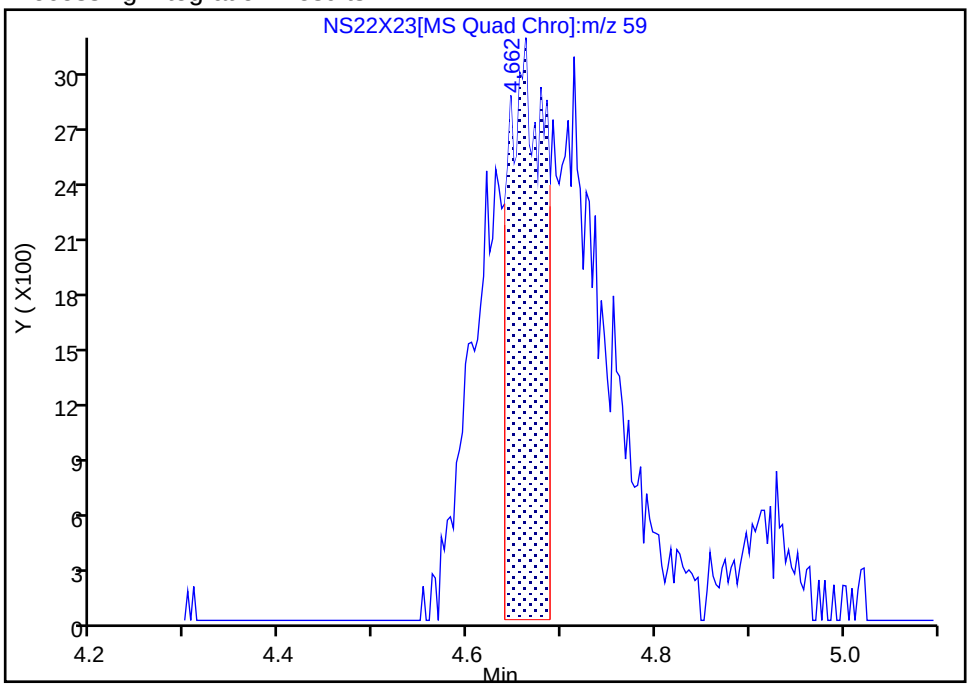
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D
Injection Date: 22-Sep-2025 22:59:14 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

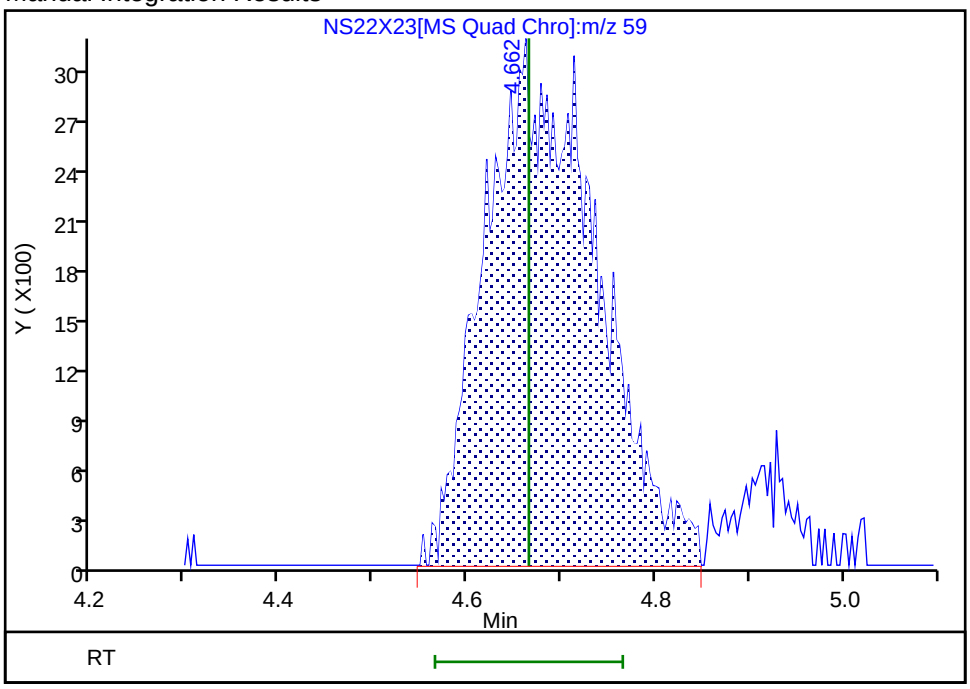
Processing Integration Results

RT: 4.66
Area: 8101
Amount: 6.746672
Amount Units: ug/l



Manual Integration Results

RT: 4.66
Area: 25431
Amount: 19.200078
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:18:57 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

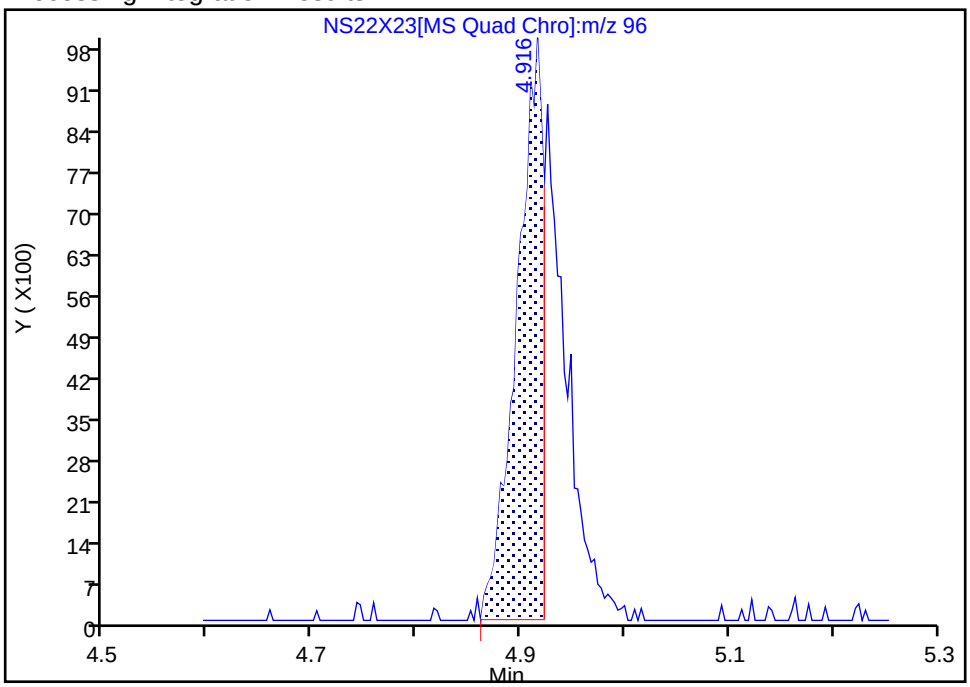
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

31 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

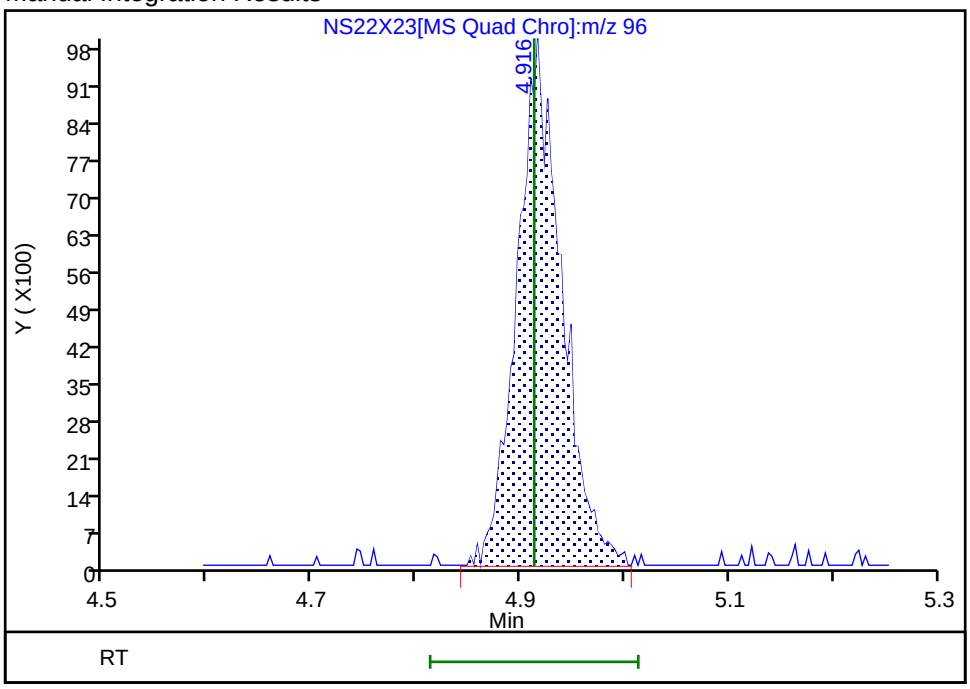
Processing Integration Results

RT: 4.92
Area: 17415
Amount: 2.829635
Amount Units: ug/l



Manual Integration Results

RT: 4.92
Area: 29475
Amount: 4.475933
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:19:04 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

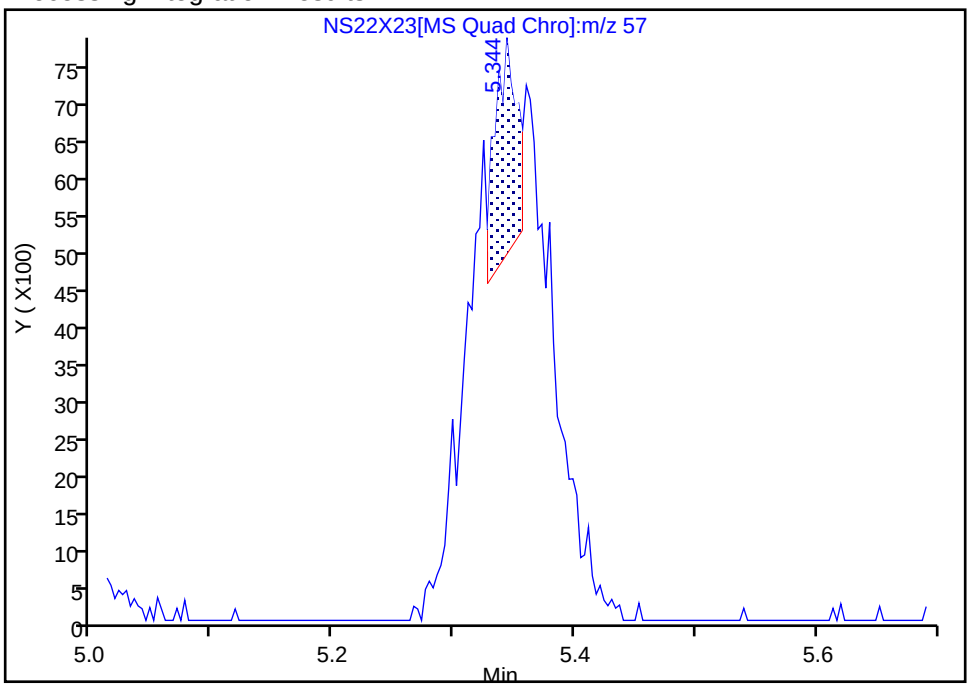
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

33 Hexane, CAS: 110-54-3

Signal: 1

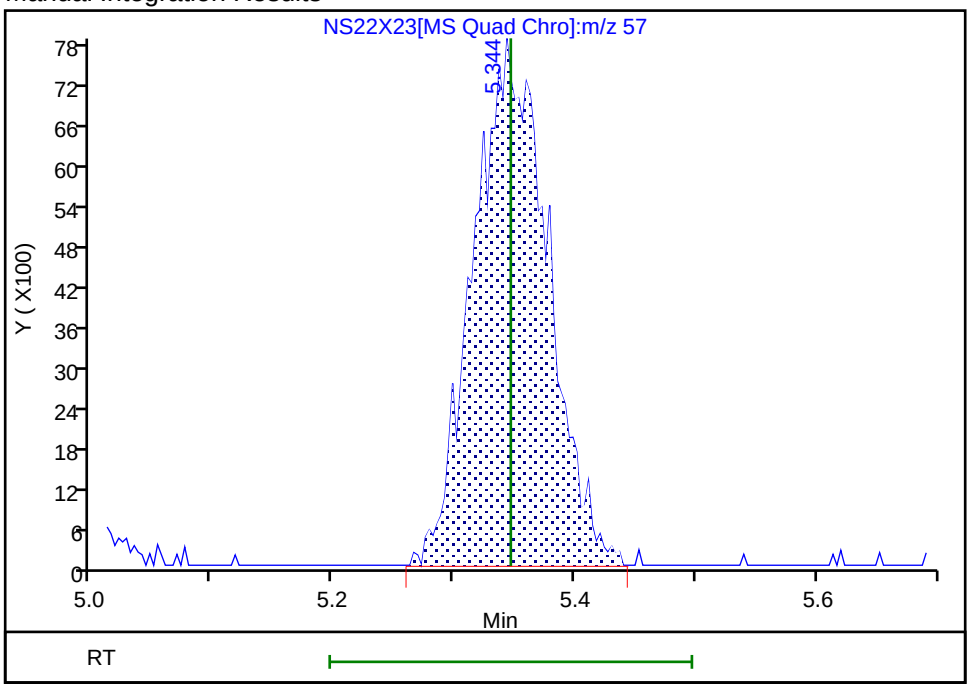
Processing Integration Results

RT: 5.34
Area: 3697
Amount: 0.583453
Amount Units: ug/l



Manual Integration Results

RT: 5.34
Area: 33610
Amount: 4.521668
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:19:10 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

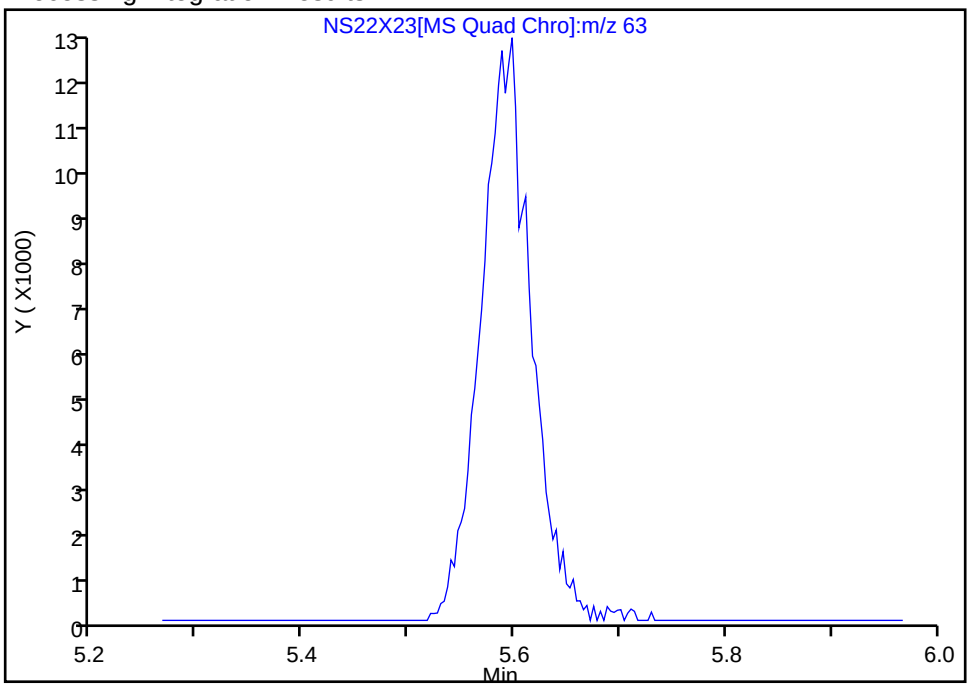
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

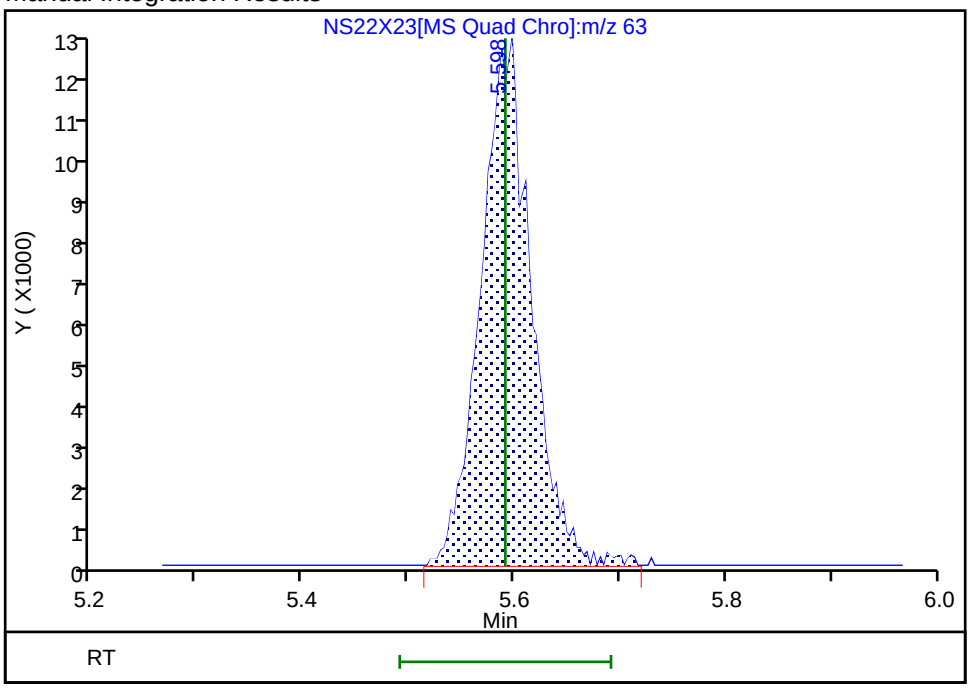
Not Detected
Expected RT: 5.59

Processing Integration Results



Manual Integration Results

RT: 5.60
Area: 42571
Amount: 4.279142
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:19:14 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

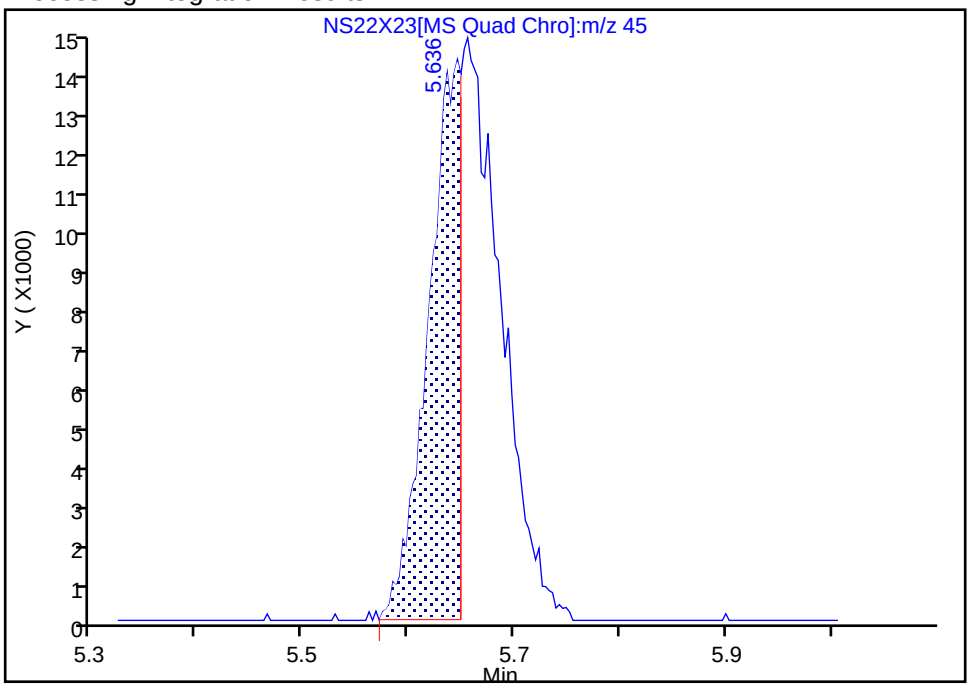
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D
Injection Date: 22-Sep-2025 22:59:14 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

36 Isopropyl ether, CAS: 108-20-3

Signal: 1

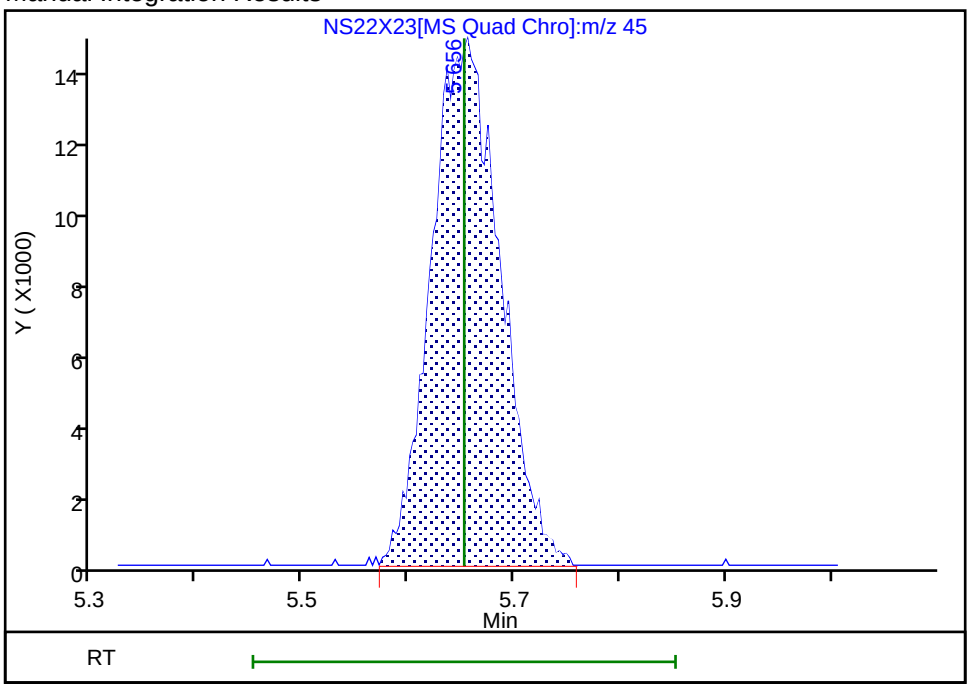
Processing Integration Results

RT: 5.64
Area: 29258
Amount: 1.977113
Amount Units: ug/l



Manual Integration Results

RT: 5.66
Area: 64691
Amount: 4.027128
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:19:19 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

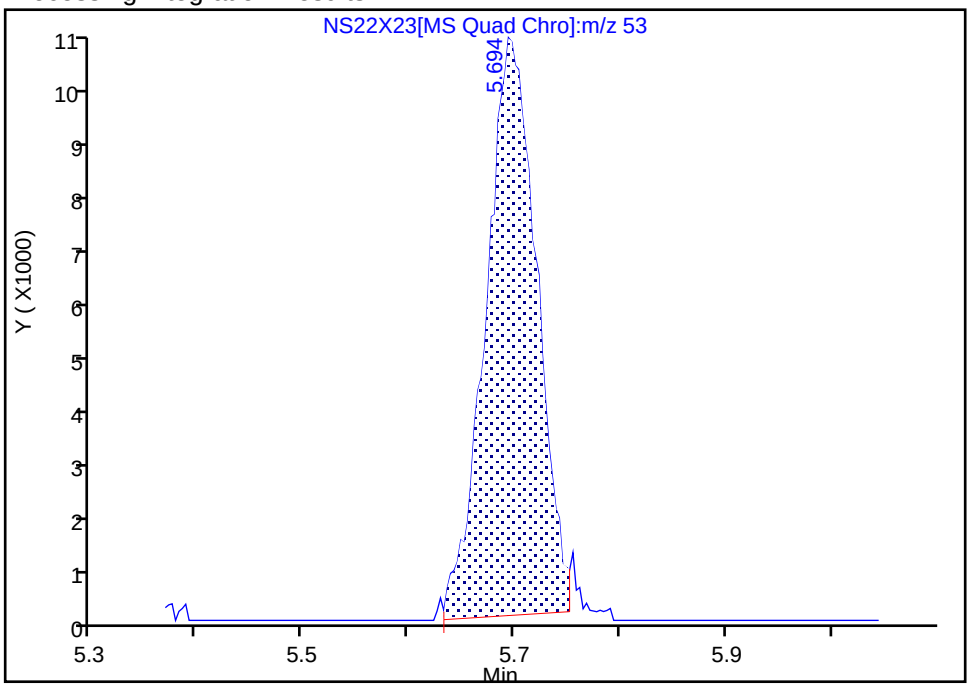
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

37 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

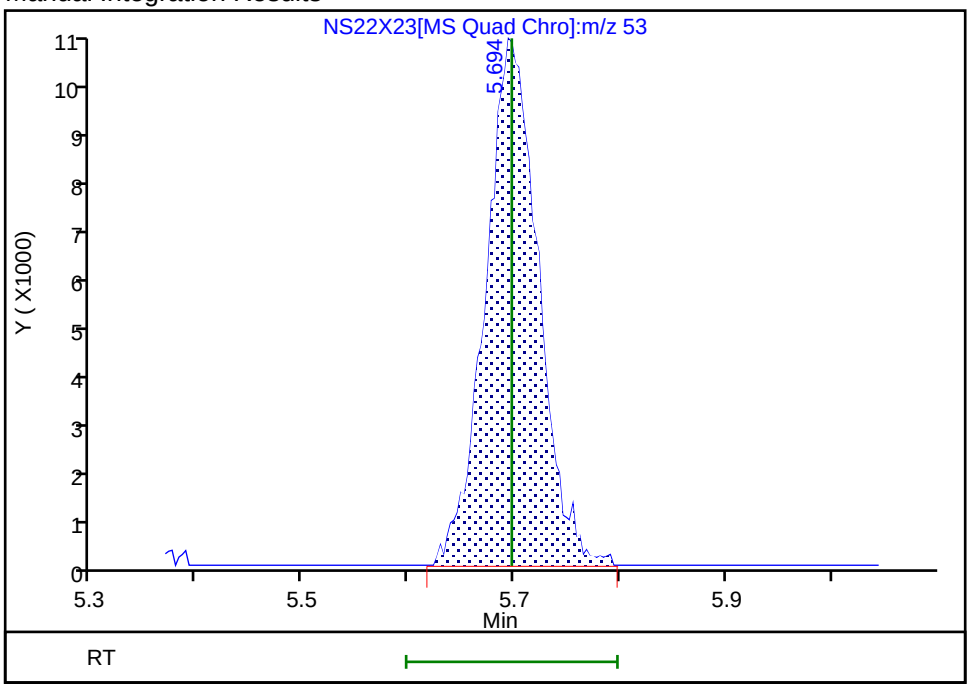
Processing Integration Results

RT: 5.69
Area: 33914
Amount: 4.100188
Amount Units: ug/l



Manual Integration Results

RT: 5.69
Area: 35471
Amount: 4.259790
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:19:25 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

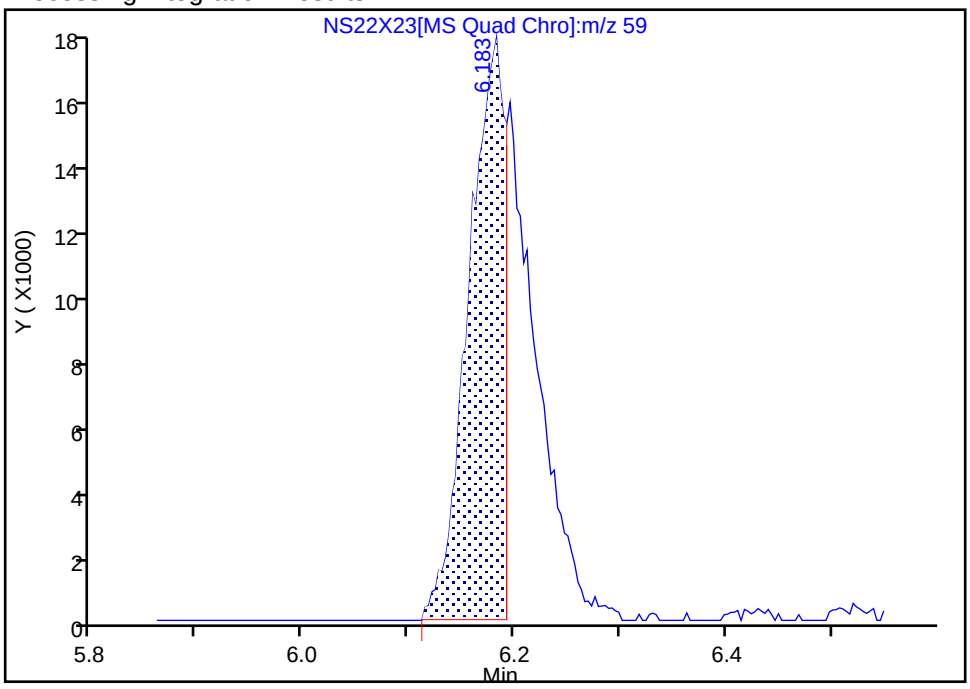
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

39 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

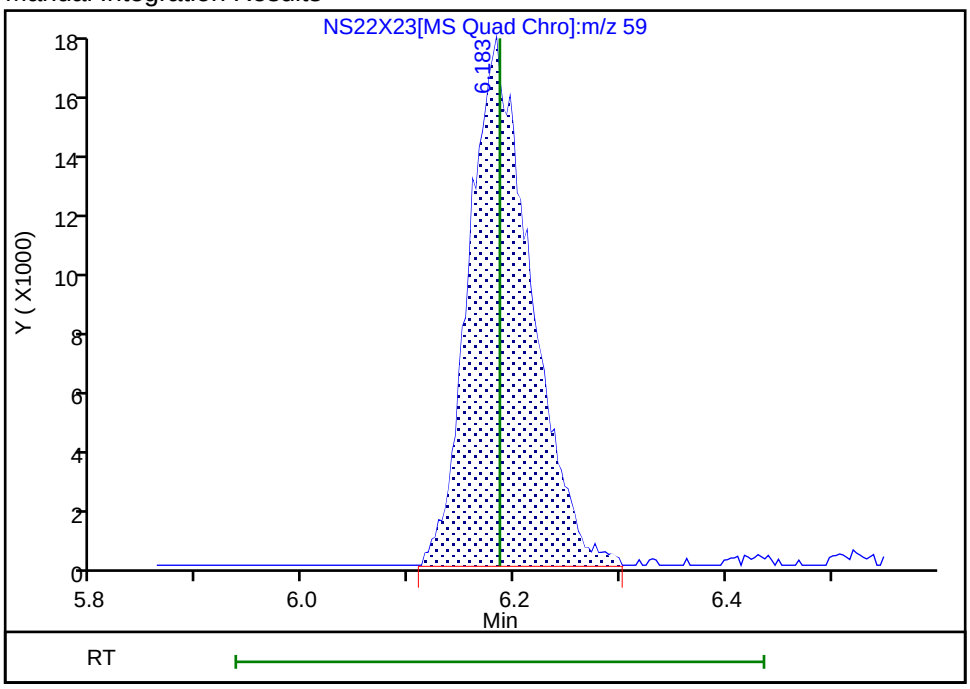
Processing Integration Results

RT: 6.18
Area: 41838
Amount: 2.498276
Amount Units: ug/l



Manual Integration Results

RT: 6.18
Area: 71137
Amount: 3.980794
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:19:30 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

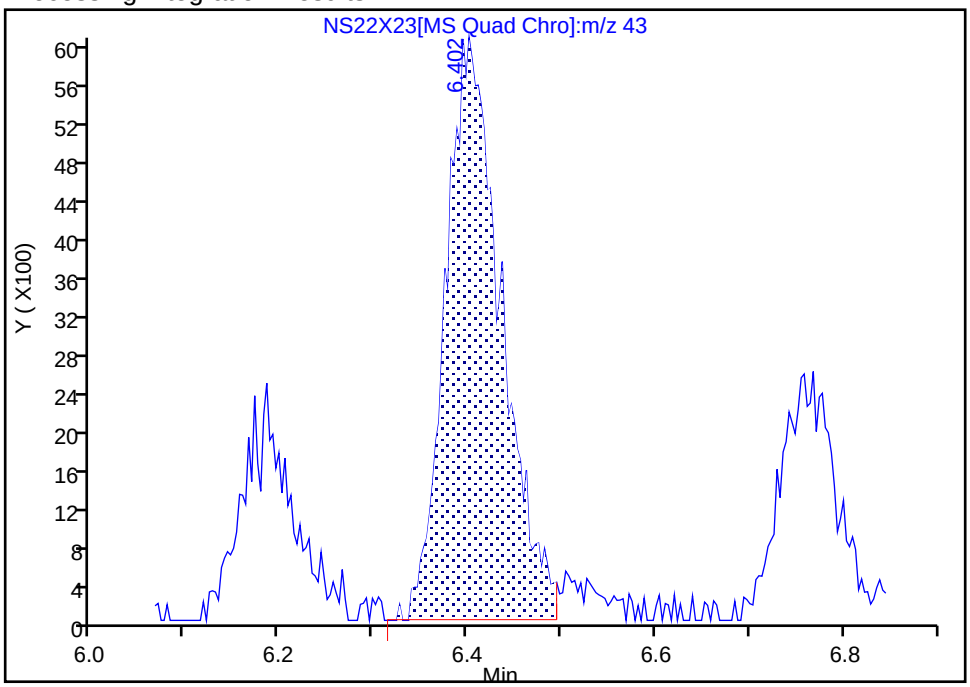
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D
Injection Date: 22-Sep-2025 22:59:14 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

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

Signal: 1

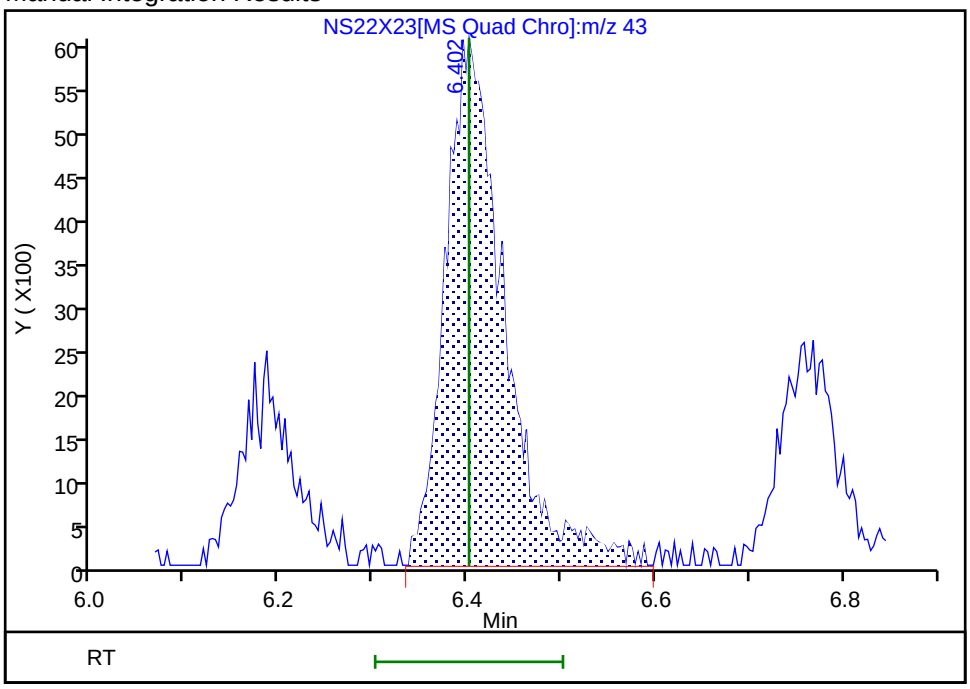
Processing Integration Results

RT: 6.40
Area: 24681
Amount: 7.137682
Amount Units: ug/l



Manual Integration Results

RT: 6.40
Area: 26088
Amount: 8.173253
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:19:54 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

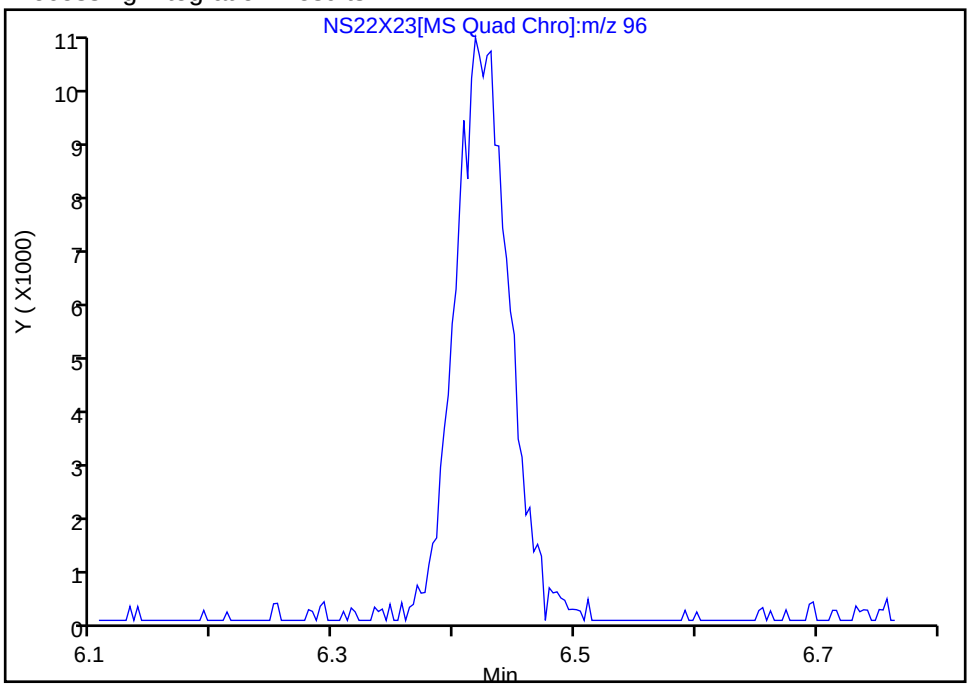
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

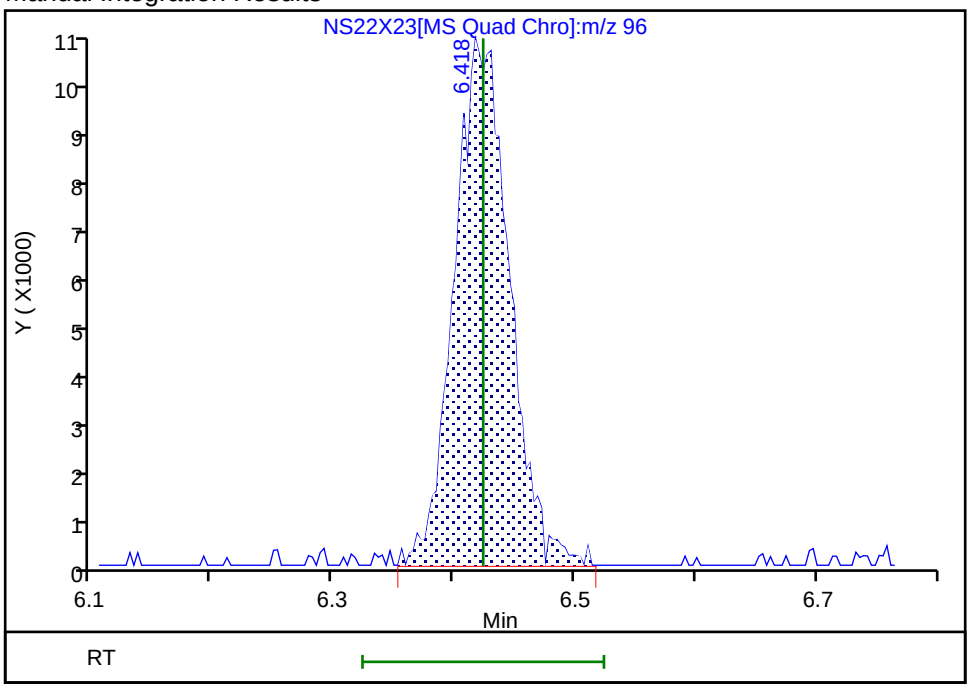
Not Detected
Expected RT: 6.42

Processing Integration Results



Manual Integration Results

RT: 6.42
Area: 33033
Amount: 4.369790
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:20:00 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

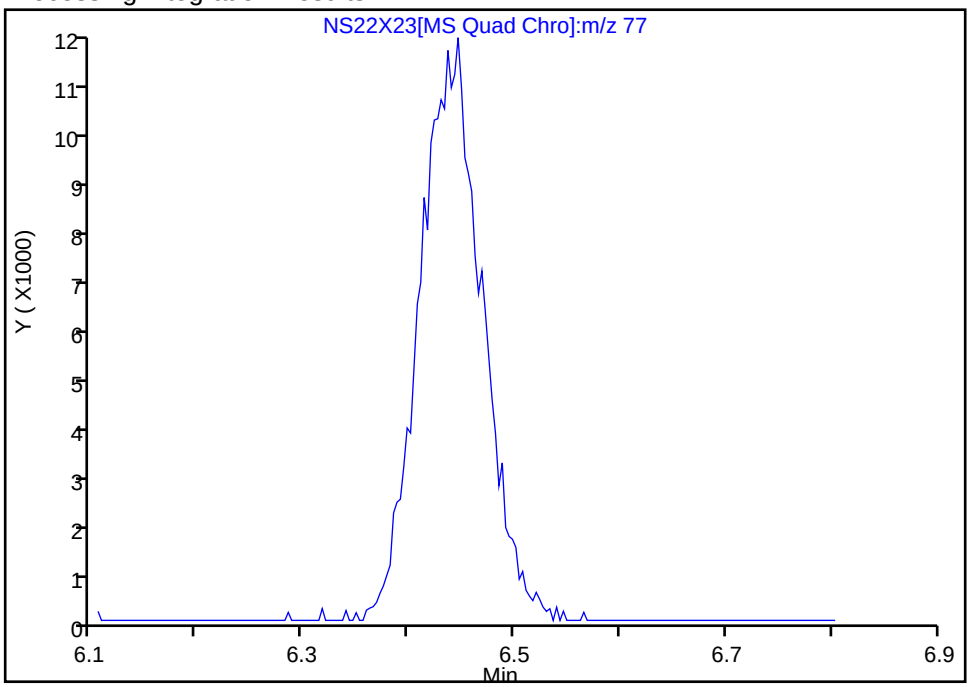
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D
Injection Date: 22-Sep-2025 22:59:14 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

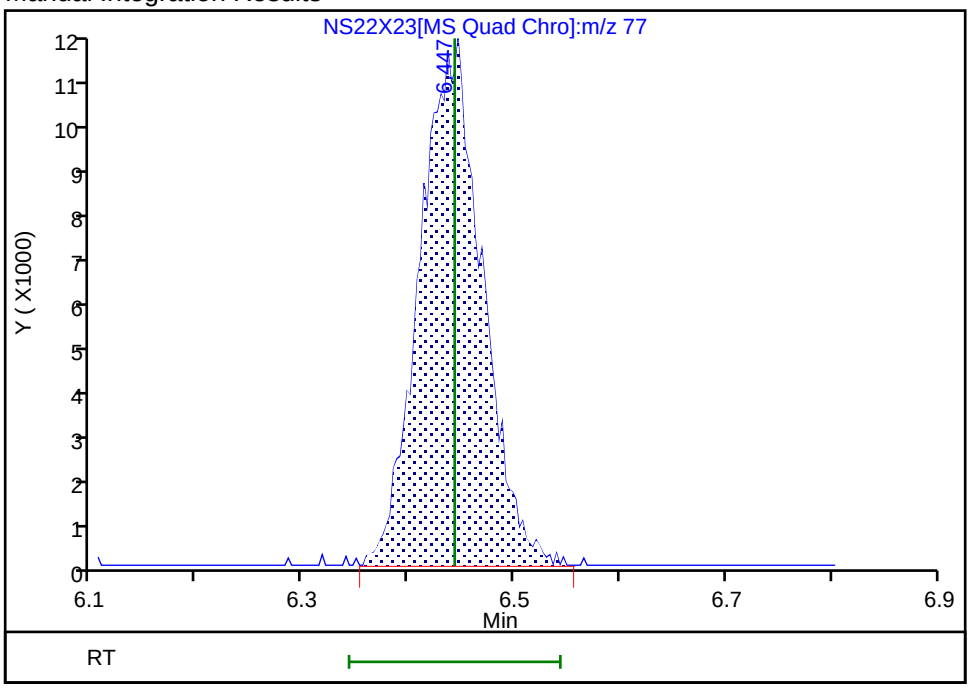
Not Detected
Expected RT: 6.44

Processing Integration Results



Manual Integration Results

RT: 6.45
Area: 48062
Amount: 4.303684
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:20:06 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

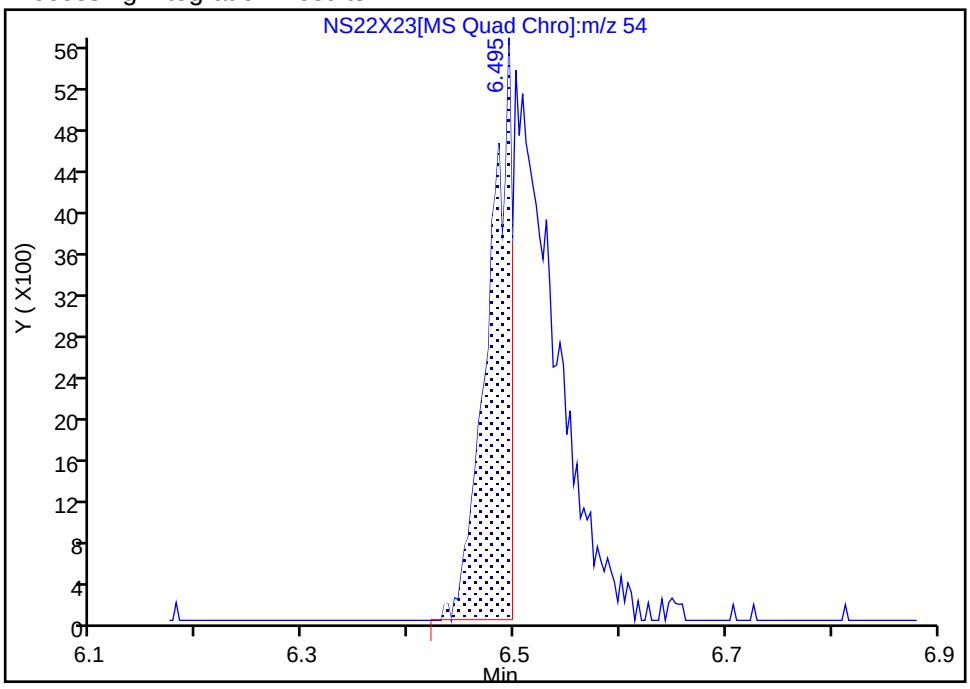
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

44 Propionitrile, CAS: 107-12-0

Signal: 1

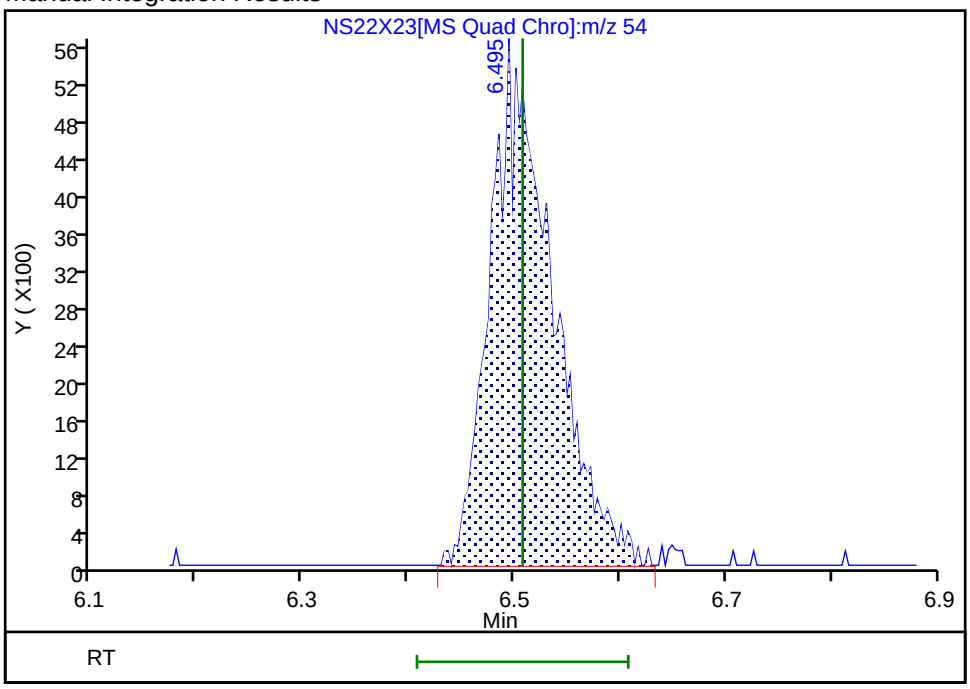
Processing Integration Results

RT: 6.49
Area: 8494
Amount: 8.135478
Amount Units: ug/l



Manual Integration Results

RT: 6.49
Area: 22522
Amount: 19.682435
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:20:12 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

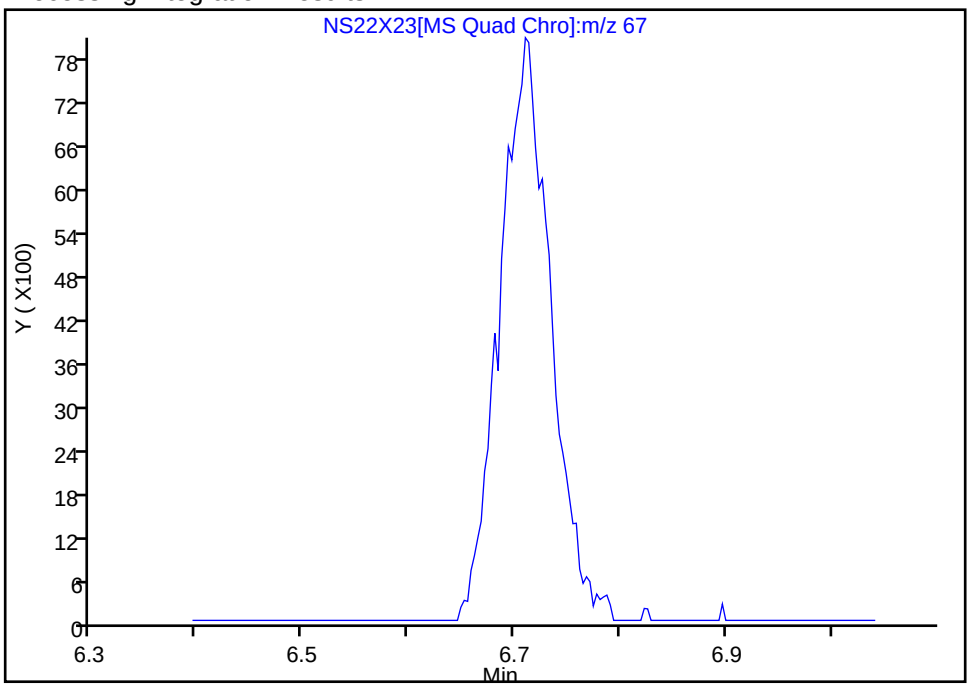
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

46 Methacrylonitrile, CAS: 126-98-7

Signal: 1

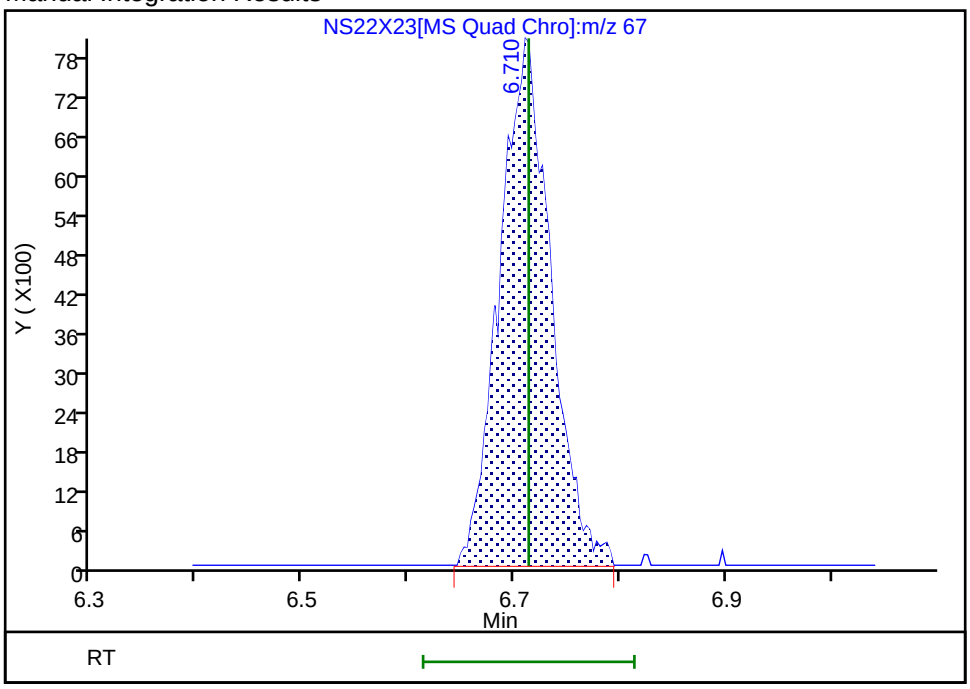
Not Detected
Expected RT: 6.71

Processing Integration Results



Manual Integration Results

RT: 6.71
Area: 26813
Amount: 9.887486
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:20:17 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

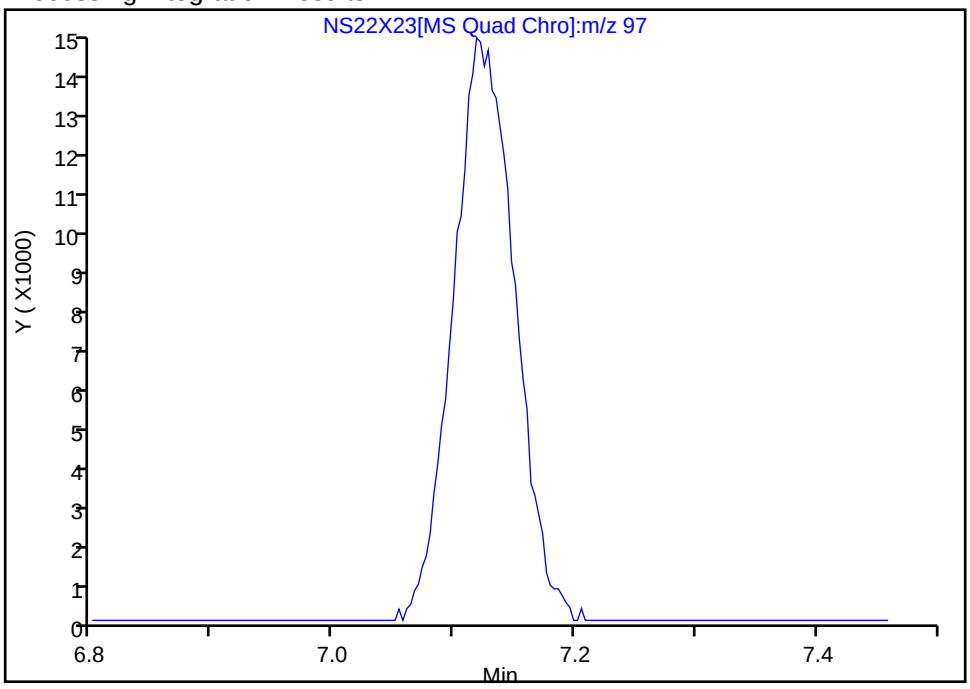
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D
Injection Date: 22-Sep-2025 22:59:14 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

51 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

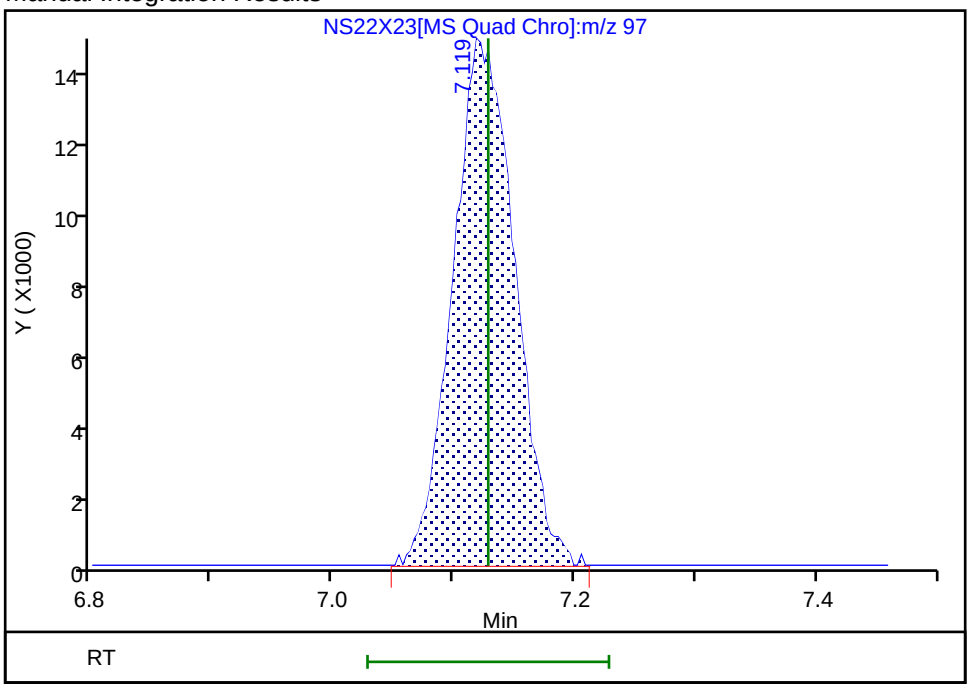
Not Detected
Expected RT: 7.13

Processing Integration Results



Manual Integration Results

RT: 7.12
Area: 53334
Amount: 4.218648
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:20:23 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

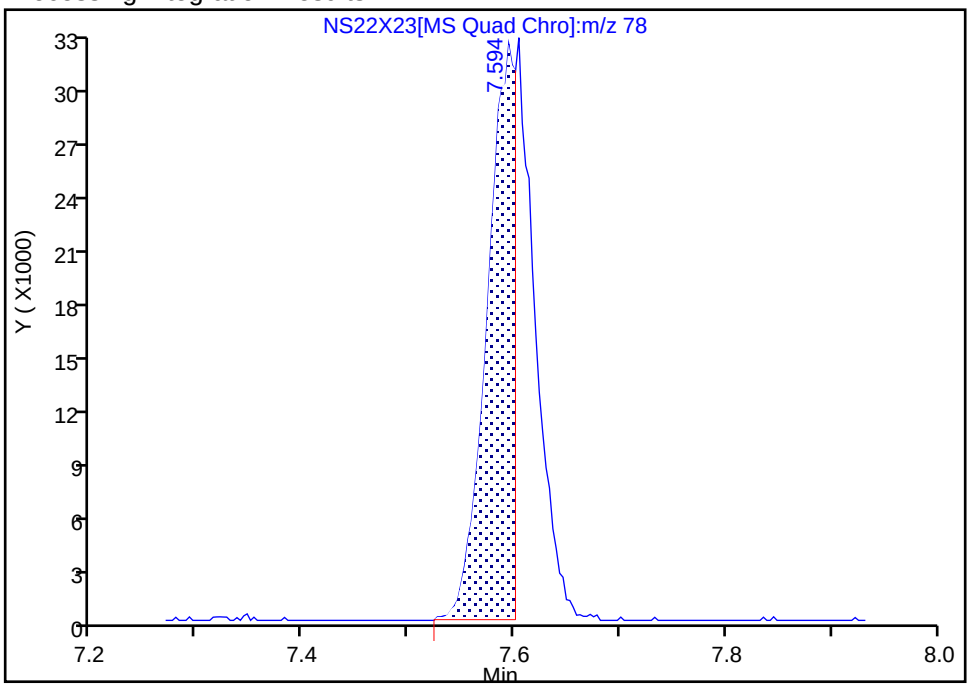
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

57 Benzene, CAS: 71-43-2

Signal: 1

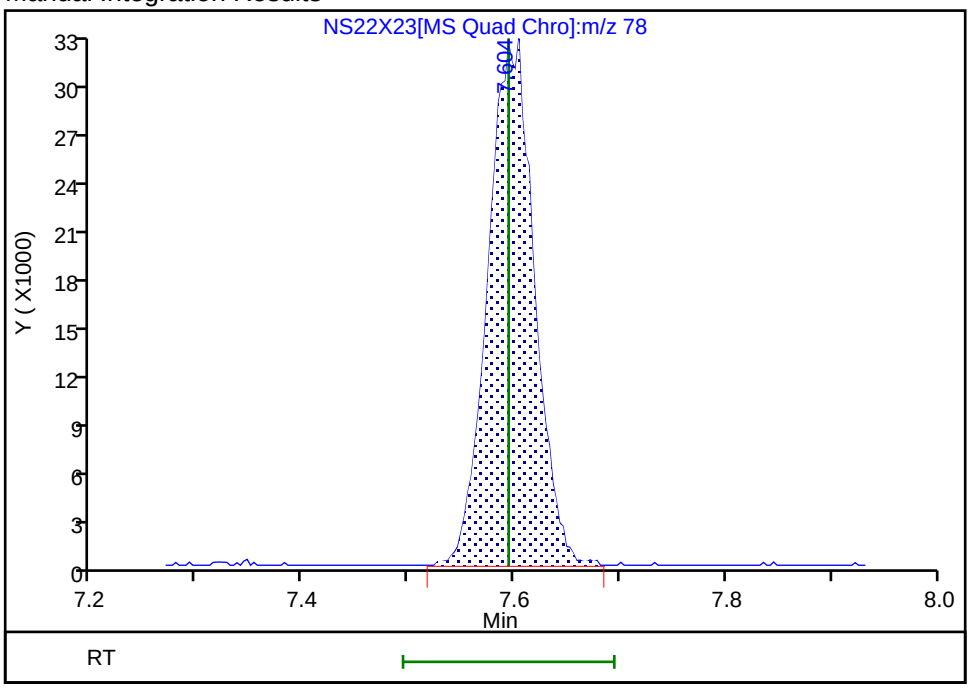
Processing Integration Results

RT: 7.59
Area: 59903
Amount: 2.802389
Amount Units: ug/l



Manual Integration Results

RT: 7.60
Area: 99455
Amount: 4.088697
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:20:29 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

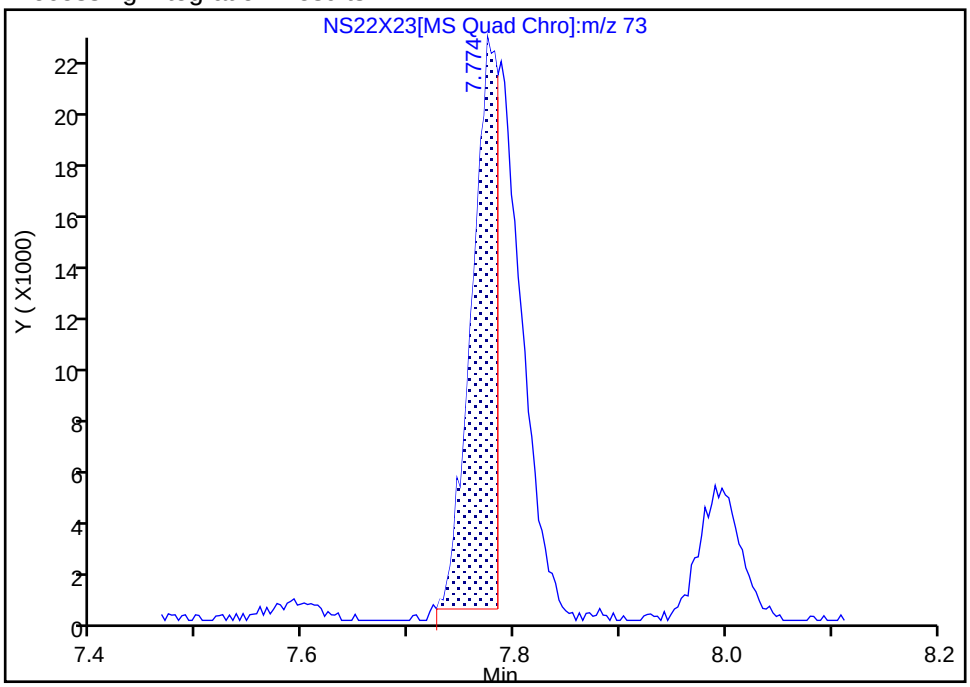
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

60 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

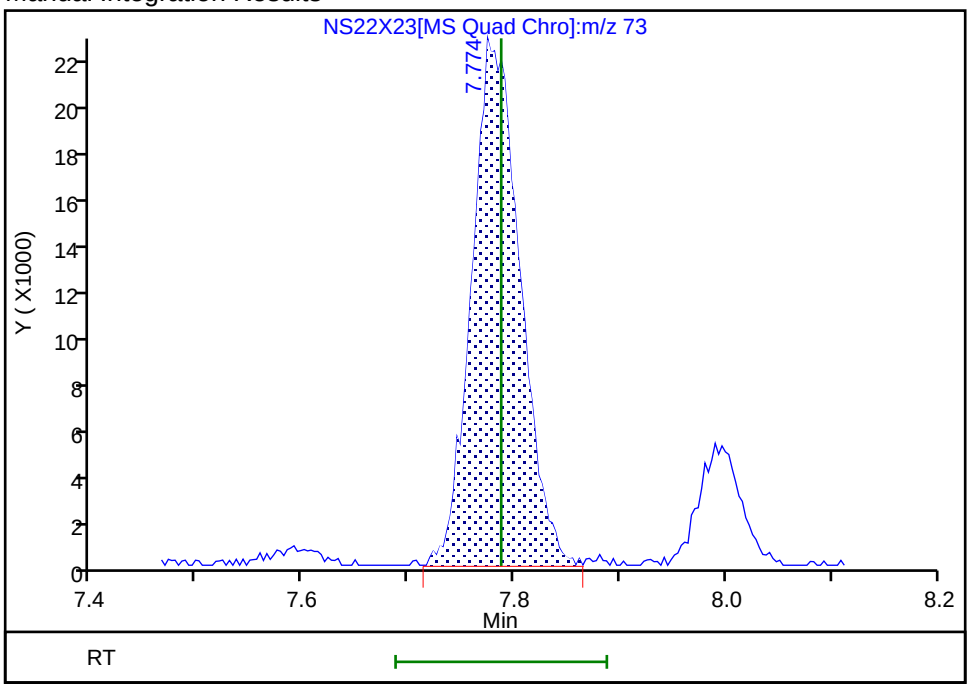
Processing Integration Results

RT: 7.77
Area: 37031
Amount: 2.196305
Amount Units: ug/l



Manual Integration Results

RT: 7.77
Area: 70787
Amount: 3.918209
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:20:36 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

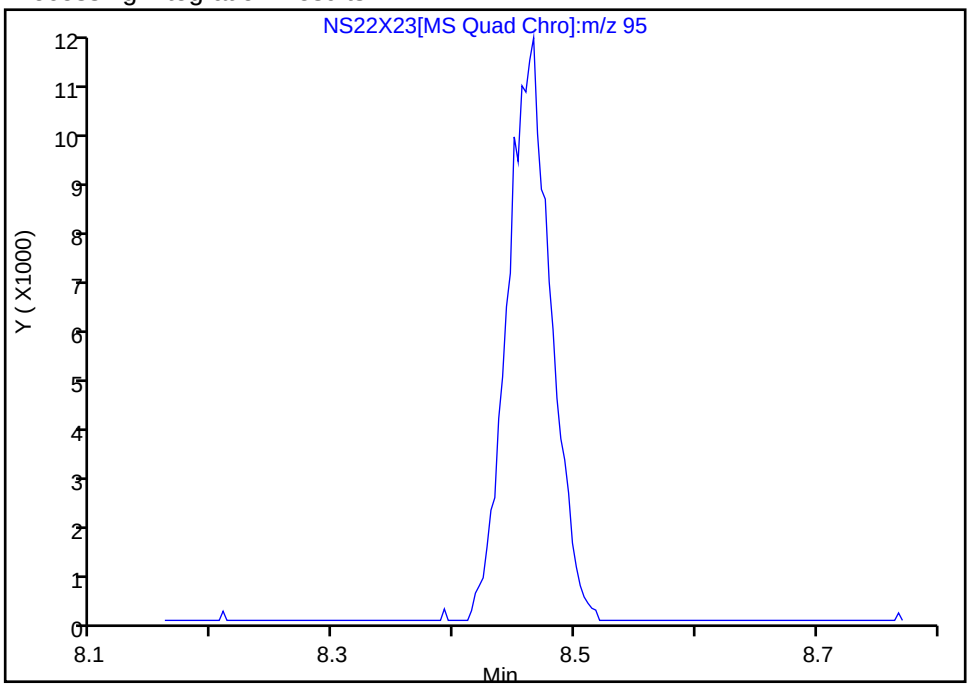
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6

Signal: 1

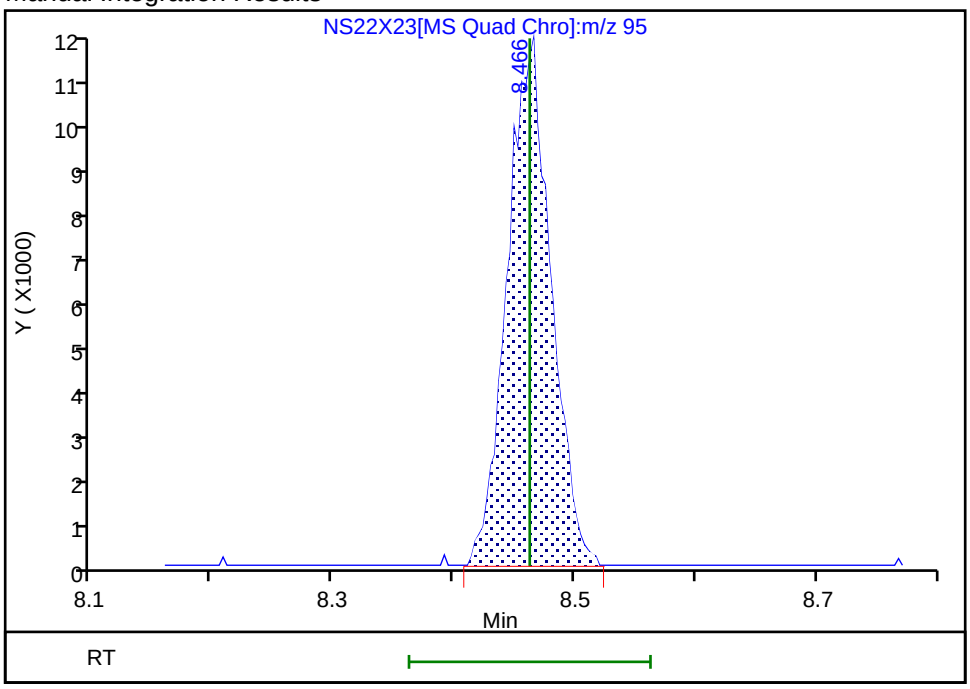
Not Detected
Expected RT: 8.46

Processing Integration Results



Manual Integration Results

RT: 8.47
Area: 29850
Amount: 4.152472
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:20:42 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

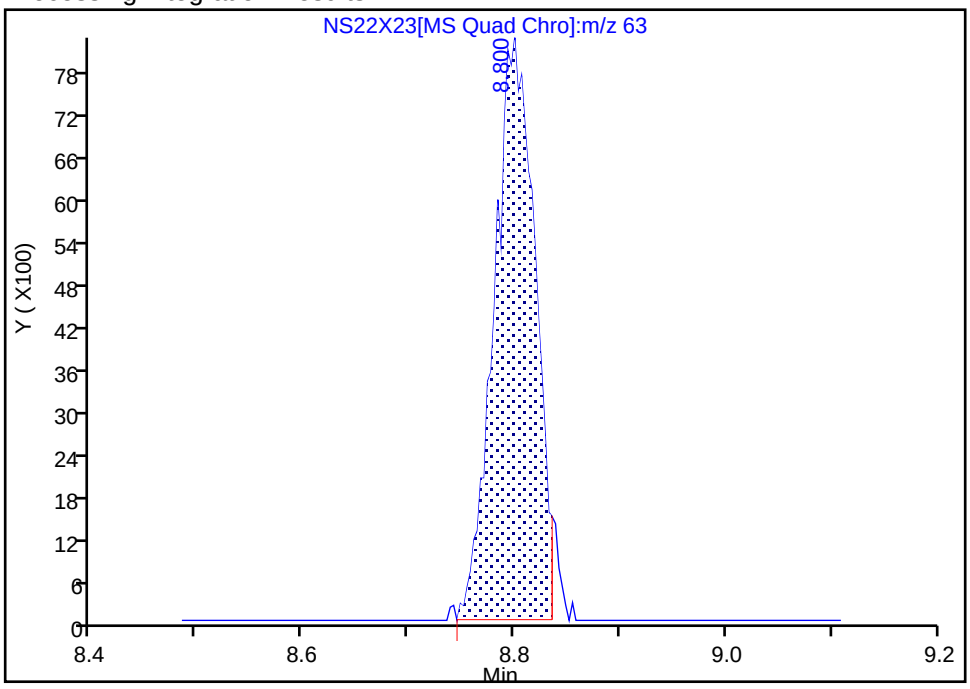
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

69 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

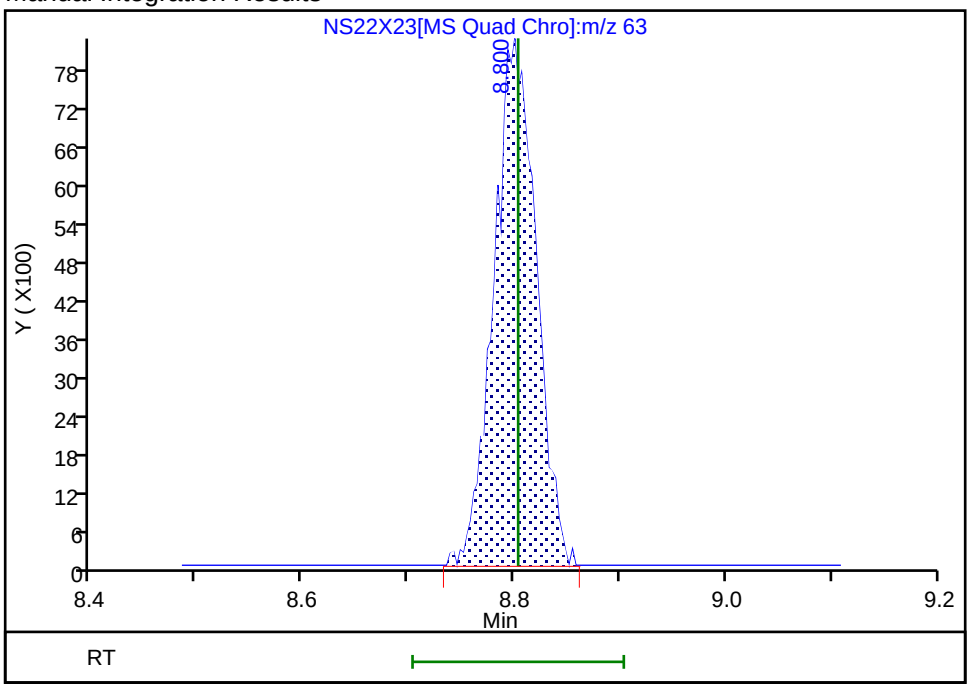
Processing Integration Results

RT: 8.80
Area: 22241
Amount: 3.893469
Amount Units: ug/l



Manual Integration Results

RT: 8.80
Area: 22909
Amount: 3.993728
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:20:51 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

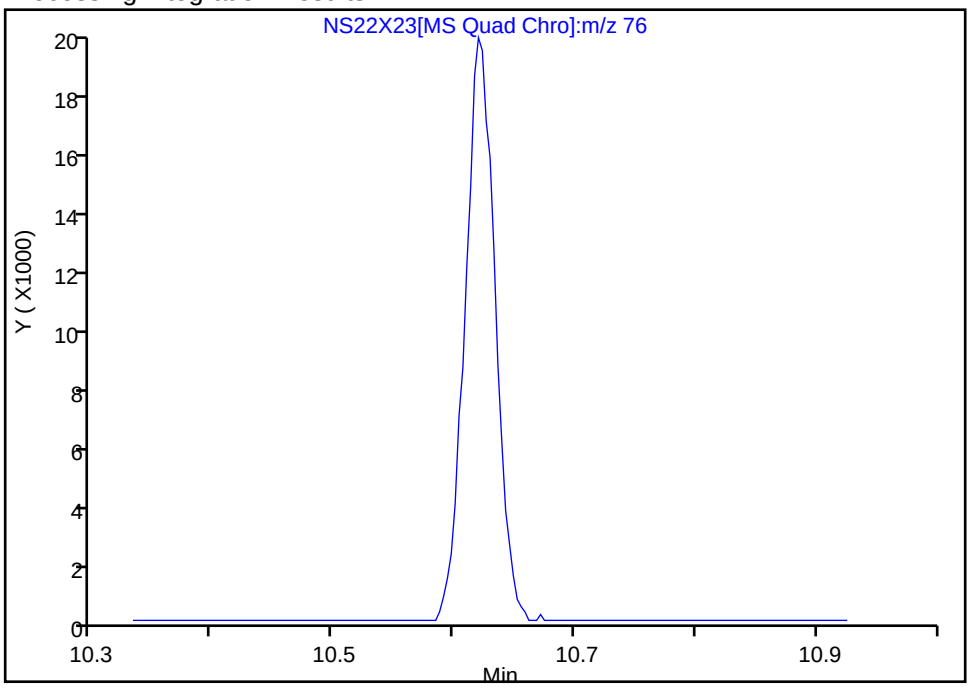
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

124 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

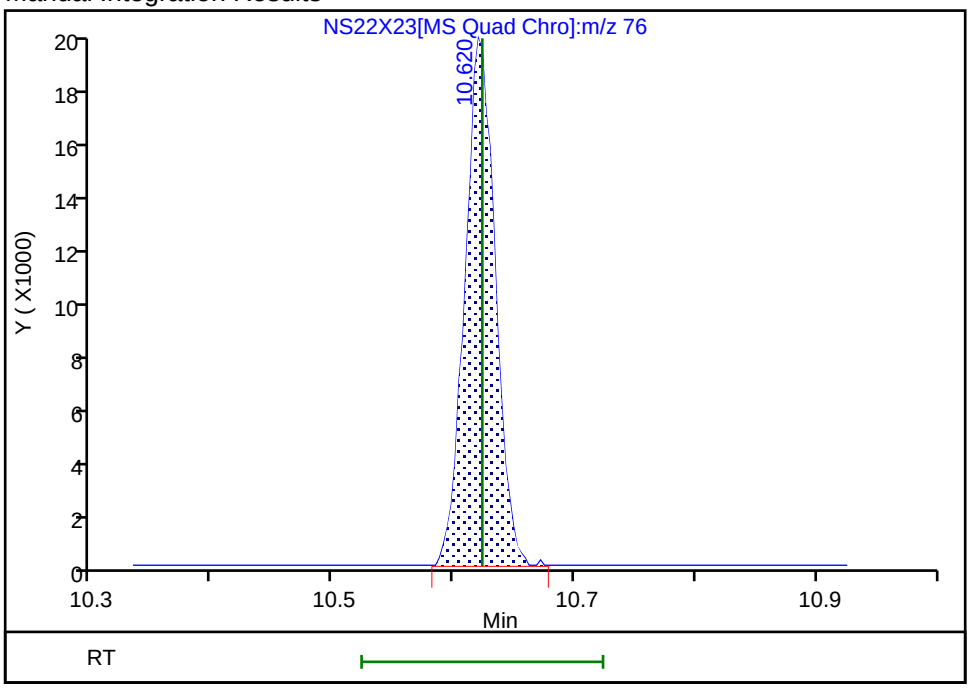
Not Detected
Expected RT: 10.62

Processing Integration Results



Manual Integration Results

RT: 10.62
Area: 33795
Amount: 4.018759
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:21:00 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

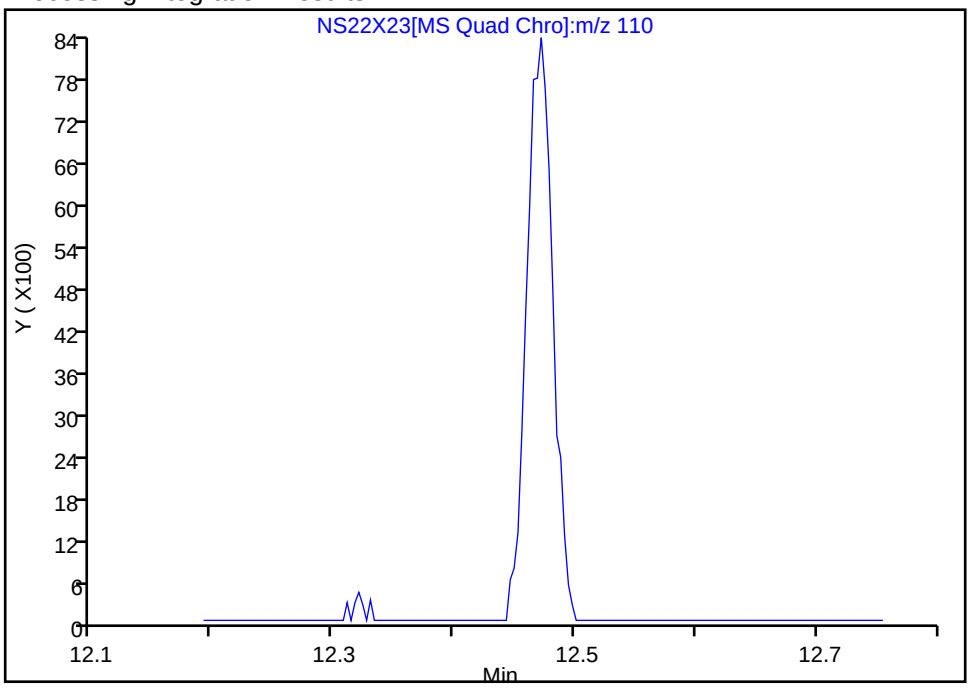
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

148 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

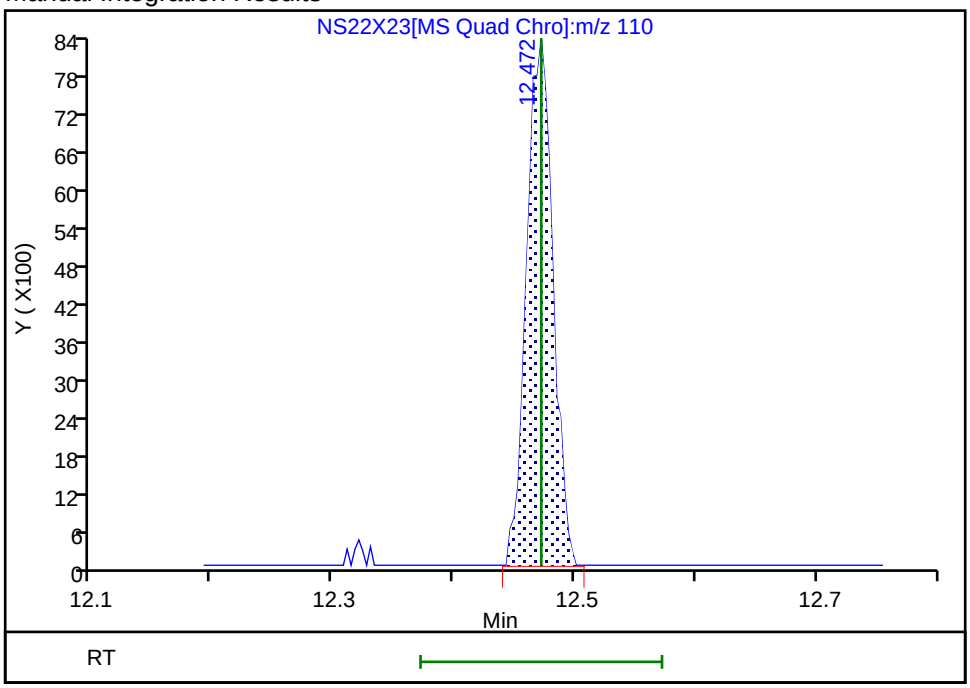
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 12549
Amount: 3.995389
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:21:10 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

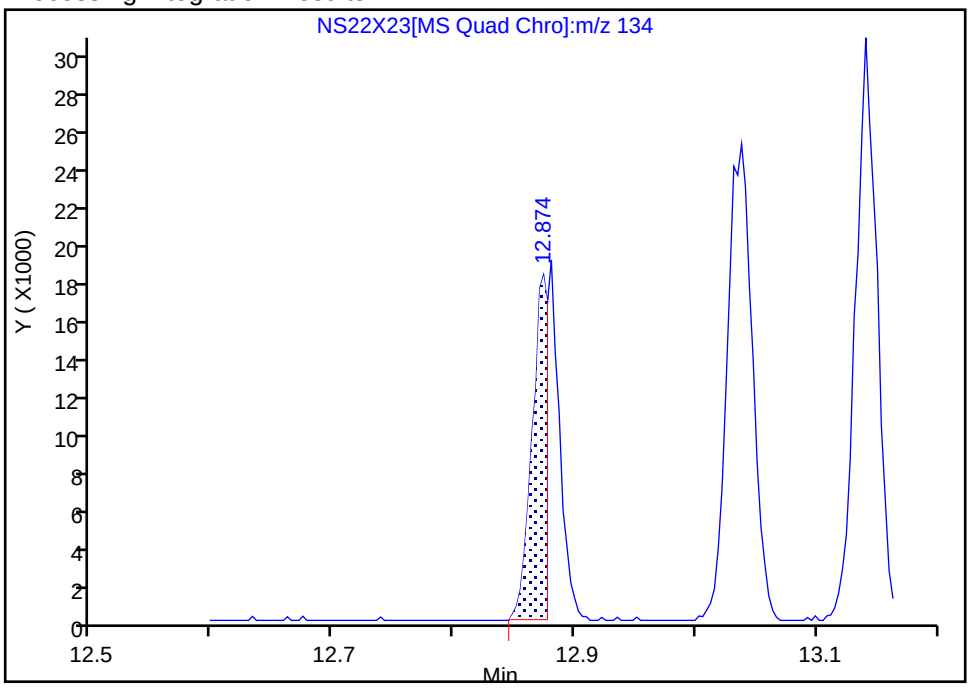
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Injection Date:	22-Sep-2025 22:59:14	Instrument ID:	7159		
Lims ID:	IC v4				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	22	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

154 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

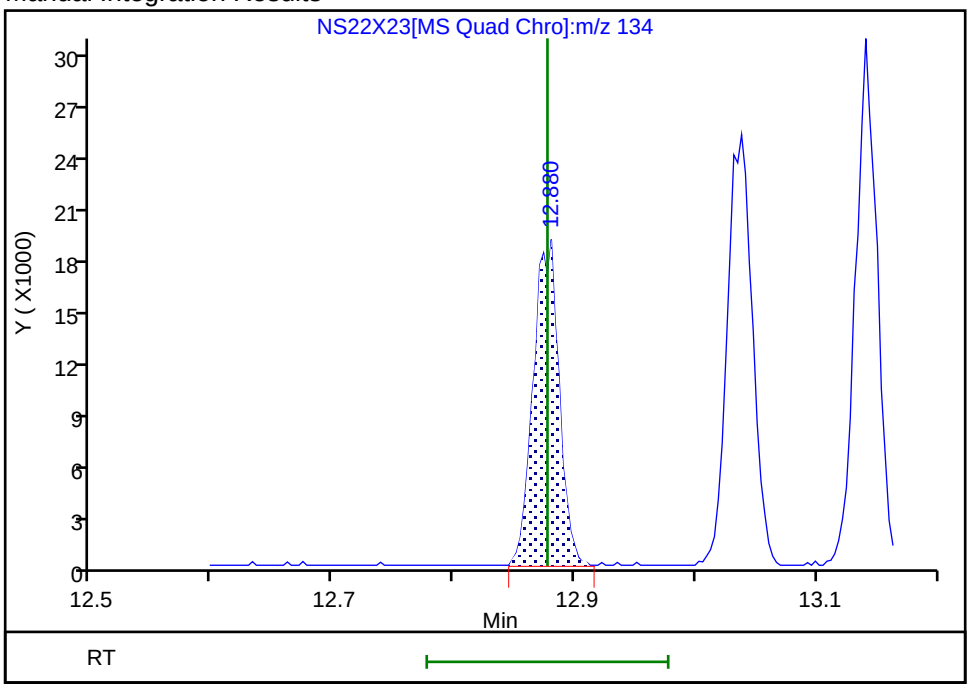
Processing Integration Results

RT: 12.87
Area: 16815
Amount: 2.519001
Amount Units: ug/l



Manual Integration Results

RT: 12.88
Area: 28009
Amount: 3.958841
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:21:55 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

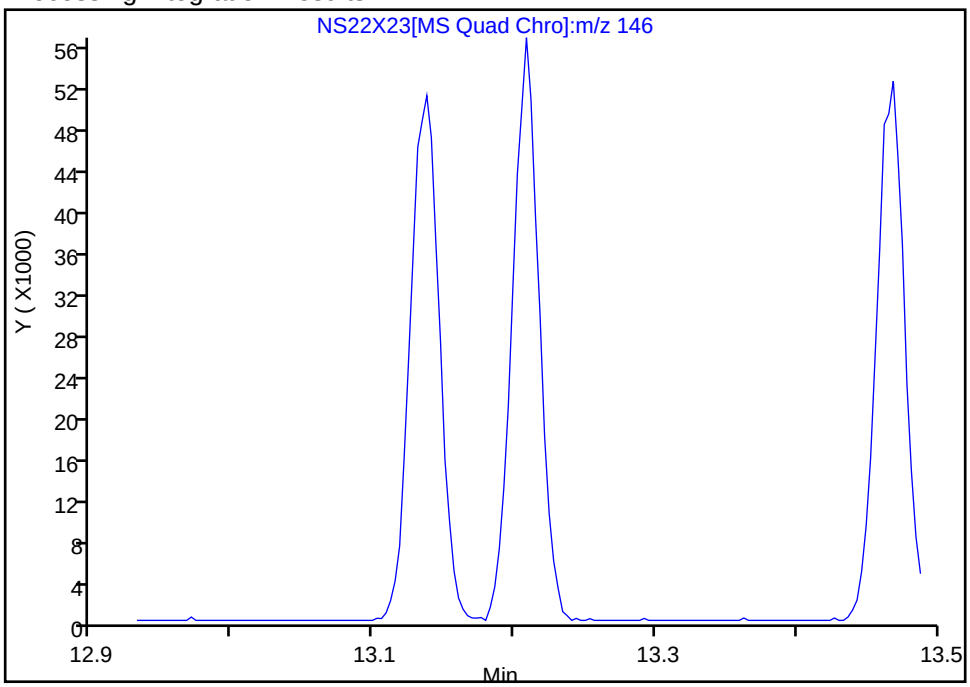
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D
Injection Date: 22-Sep-2025 22:59:14 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

161 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

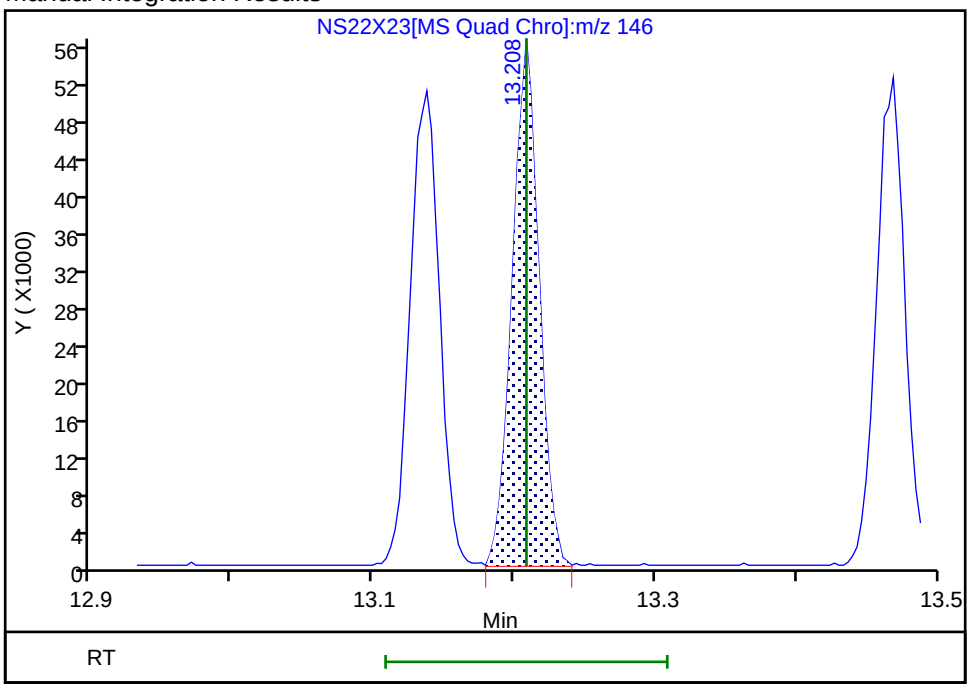
Not Detected
Expected RT: 13.21

Processing Integration Results



Manual Integration Results

RT: 13.21
Area: 74323
Amount: 4.123790
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:22:05 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X14.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Sep-2025 18:51:09 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0160533-014
Misc. Info.: IC V10
Operator ID: kas02648 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub47

Method: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 23-Sep-2025 09:36:01 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: UKAD Date: 22-Sep-2025 21:23:27

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	1 Chlorotrifluoroethene	116		1.984					ND	
	2 Dichlorodifluoromethane	85	2.025	2.025	0.000	99	165647	10.0	9.66	
	3 Chlorodifluoromethane	51		2.041					ND	U
	4 Chloromethane	50	2.231	2.231	0.000	99	123246	10.0	10.0	
	5 Butadiene	39	2.350	2.350	0.000	92	75238	10.0	9.47	
	6 Vinyl chloride	62	2.366	2.363	0.003	98	123038	10.0	9.90	
	7 2-Chloro-1,1,1-Trifluoroethane	118		2.443					ND	
	8 Bromomethane	94	2.707	2.704	0.003	93	100527	10.0	10.4	
	9 Chloroethane	64	2.813	2.810	0.003	97	56657	10.0	9.92	
	10 Dichlorofluoromethane	67	3.070	3.074	-0.004	97	165380	10.0	10.2	
	11 Trichlorofluoromethane	101	3.144	3.141	0.003	98	161056	10.0	9.69	
	12 Pentane	43	3.186	3.176	0.010	95	62909	10.0	8.17	
	13 Ethanol	45	3.273	3.328	-0.055	23	42168	500.0	528.2	M
	15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.508	3.511	-0.003	83	73112	10.0	9.84	
	16 Acrolein	56	3.617	3.607	0.010	99	133619	97.6	101.4	
	17 1,1-Dichloroethene	96	3.749	3.752	-0.003	96	53824	10.0	9.41	
	18 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.797	3.791	0.006	81	73653	10.0	8.90	M
	19 Acetone	58	3.810	3.794	0.016	69	13966	20.0	21.0	
	20 Iodomethane	142	3.961	3.964	-0.003	99	136351	10.0	9.98	
	21 Isopropyl alcohol	45	3.983	3.984	-0.001	28	43290	50.0	51.8	
	22 Carbon disulfide	76	4.067	4.070	-0.003	100	185194	10.0	9.69	
	24 Methyl acetate	43	4.263	4.254	0.009	76	38531	10.0	8.94	
	25 3-Chloro-1-propene	41	4.282	4.283	-0.001	88	66395	10.0	9.95	M
	26 Methylene Chloride	84	4.491	4.485	0.006	84	62875	10.0	10.1	
*	27 t-Butyl alcohol-d10 (IS)	65	4.530	4.530	0.000	95	289290	250.0	250.0	
	28 2-Methyl-2-propanol	59	4.652	4.665	-0.013	81	63003	50.0	51.6	
	29 Acrylonitrile	53	4.861	4.861	0.000	98	62777	25.0	26.1	
	32 Methyl tert-butyl ether	73	4.906	4.910	-0.004	93	196257	10.0	10.0	
	31 trans-1,2-Dichloroethene	96	4.922	4.913	0.009	97	61855	10.0	9.70	
	33 Hexane	57	5.350	5.347	0.003	90	53887	10.0	7.49	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	5.588	5.591	-0.003	96	99865	10.0	10.4	M
36 Isopropyl ether	45	5.659	5.652	0.007	91	156001	10.0	10.0	
37 2-Chloro-1,3-butadiene	53	5.700	5.697	0.003	90	77776	10.0	9.64	
S 38 1,2-Dichloroethene, Total	100				0			19.8	
39 Tert-butyl ethyl ether	59	6.183	6.186	-0.003	96	169313	10.0	9.78	M
40 2-Butanone (MEK)	43	6.405	6.401	0.004	97	62698	20.0	20.3	
41 cis-1,2-Dichloroethene	96	6.434	6.424	0.010	80	73690	10.0	10.1	a
43 2,2-Dichloropropane	77	6.440	6.443	-0.003	88	106094	10.0	9.81	a
44 Propionitrile	54	6.491	6.508	-0.017	95	53892	50.0	51.0	
45 Methyl acrylate	55	6.527	6.524	0.003	100	62315	10.0	9.70	
46 Methacrylonitrile	67	6.707	6.713	-0.006	79	63992	25.0	24.4	M
47 Chlorobromomethane	128	6.752	6.752	0.000	81	41600	10.0	10.4	
48 Tetrahydrofuran	71	6.762	6.768	-0.006	84	49813	50.0	50.8	
49 Chloroform	83	6.903	6.906	-0.003	92	120127	10.0	10.1	
$ 50 Dibromofluoromethane (Surr)	113	7.115	7.115	0.000	95	300932	50.0	51.1	
51 1,1,1-Trichloroethane	97	7.125	7.128	-0.003	95	120847	10.0	9.87	
52 Cyclohexane	56	7.218	7.215	0.003	88	87297	10.0	8.36	a
53 Carbon tetrachloride	117	7.331	7.334	-0.003	96	108444	10.0	9.46	
54 1,1-Dichloropropene	75	7.334	7.334	0.000	92	75071	10.0	9.47	
55 Isobutyl alcohol	41	7.507	7.495	0.012	87	39629	125.0	117.5	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.565	7.575	-0.010	95	66861	50.0	50.4	
57 Benzene	78	7.597	7.594	0.003	94	240202	10.0	10.2	
59 1,2-Dichloroethane	62	7.671	7.675	-0.004	98	77419	10.0	10.1	
60 Tert-amyl methyl ether	73	7.781	7.787	-0.006	98	171071	10.0	9.78	
* 62 Fluorobenzene (IS)	96	7.999	7.999	0.000	99	1035599	50.0	50.0	
63 n-Heptane	43	7.999	8.000	-0.001	40	43512	10.0	7.19	
64 n-Butanol	56	8.366	8.356	0.010	89	32977	125.0	127.9	
65 Trichloroethene	95	8.466	8.463	0.003	95	68353	10.0	9.82	a
66 Ethyl acrylate	55	8.585	8.585	0.000	98	70310	10.0	9.49	
67 Methylcyclohexane	83	8.765	8.768	-0.003	88	94519	10.0	7.55	
68 2-ethoxy-2-methyl butane	87	8.803	8.803	0.000	93	92961	10.0	9.84	
69 1,2-Dichloropropane	63	8.800	8.803	-0.003	69	56224	10.0	10.1	M
70 Methyl methacrylate	69	8.884	8.881	0.003	84	42139	10.0	9.74	
71 1,4-Dioxane	88	8.890	8.900	-0.010	45	12167	125.0	136.5	
72 Dibromomethane	93	8.913	8.909	0.004	88	41791	10.0	10.1	
74 Dichlorobromomethane	83	9.141	9.138	0.003	99	82317	10.0	10.0	
75 2-Nitropropane	41	9.414	9.411	0.003	98	81697	50.0	48.5	
76 2-Chloroethyl vinyl ether	63	9.485	9.485	0.000	93	33435	10.0	9.44	
77 cis-1,3-Dichloropropene	75	9.655	9.659	-0.004	96	86881	10.0	9.91	
78 4-Methyl-2-pentanone (MIBK)	43	9.826	9.826	0.000	95	133484	20.0	19.2	
$ 79 Toluene-d8 (Surr)	98	9.951	9.951	0.000	93	1038157	50.0	50.1	
118 Toluene	92	10.022	10.025	-0.003	98	158327	10.0	9.89	
S 119 1,3-Dichloropropene, Total	100				0			19.6	
120 trans-1,3-Dichloropropene	75	10.269	10.266	0.003	92	78769	10.0	9.74	
121 Ethyl methacrylate	69	10.324	10.324	0.000	87	73751	10.0	9.68	
122 1,1,2-Trichloroethane	97	10.466	10.466	0.000	88	58478	10.0	10.4	
123 Tetrachloroethene	166	10.546	10.543	0.003	97	84689	10.0	9.42	
124 1,3-Dichloropropane	76	10.623	10.623	0.000	89	86021	10.0	10.2	
126 2-Hexanone	43	10.671	10.671	0.000	96	89982	20.0	19.0	
128 Chlorodibromomethane	129	10.829	10.826	0.003	87	72254	10.0	9.84	
129 Ethylene Dibromide	107	10.935	10.938	-0.003	98	60603	10.0	9.98	
S 130 Xylenes, Total	106				0			28.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.353	0.000	85	843300	50.0	50.0	
132 1-Chlorohexane	91	11.356	11.356	0.000	94	73017	10.0	8.04	
133 Chlorobenzene	112	11.379	11.379	0.000	98	190398	10.0	10.0	
134 1,1,1,2-Tetrachloroethane	131	11.456	11.456	0.000	93	84043	10.0	10.0	
135 Ethylbenzene	91	11.459	11.459	0.000	98	301732	10.0	9.49	
136 m-Xylene & p-Xylene	106	11.568	11.572	-0.004	100	242047	20.0	19.2	
137 n-Butyl acrylate	55	11.835	11.835	0.000	96	99935	10.0	9.42	
138 o-Xylene	106	11.893	11.890	0.003	96	126321	10.0	9.60	
139 Styrene	104	11.906	11.906	0.000	94	194840	10.0	9.74	
140 Bromoform	173	12.060	12.061	0.000	98	55599	10.0	10.2	
141 Isopropylbenzene	105	12.183	12.186	-0.003	95	322593	10.0	8.88	
143 Cyclohexanone	55	12.266	12.270	-0.004	90	78318	250.0	255.7	
$ 144 4-Bromofluorobenzene (Surr)	95	12.324	12.324	0.000	97	383305	50.0	49.0	
145 1,1,2,2-Tetrachloroethane	83	12.424	12.424	0.000	95	89307	10.0	10.0	
146 Bromobenzene	156	12.443	12.443	0.000	91	92264	10.0	9.85	
147 trans-1,4-Dichloro-2-butene	53	12.449	12.450	-0.001	86	54888	25.0	24.5	
148 1,2,3-Trichloropropane	110	12.475	12.472	0.003	71	31747	10.0	10.4	a
149 N-Propylbenzene	91	12.504	12.504	0.000	98	345117	10.0	8.77	
150 2-Chlorotoluene	126	12.581	12.581	0.000	98	83150	10.0	9.28	
151 1,3,5-Trimethylbenzene	105	12.636	12.636	0.000	95	273109	10.0	8.81	
152 4-Chlorotoluene	126	12.675	12.675	0.000	96	80000	10.0	9.32	
154 tert-Butylbenzene	134	12.877	12.877	0.000	91	55945	10.0	8.13	
155 1,2,4-Trimethylbenzene	105	12.919	12.919	0.000	97	281911	10.0	8.91	
157 sec-Butylbenzene	105	13.038	13.038	0.000	94	318331	10.0	8.11	
158 1,3-Dichlorobenzene	146	13.134	13.138	-0.004	97	168553	10.0	9.59	
159 4-Isopropyltoluene	119	13.141	13.141	0.000	97	287378	10.0	8.13	
* 160 1,4-Dichlorobenzene-d4	152	13.189	13.189	0.000	92	508809	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.208	13.208	0.000	97	170532	10.0	9.73	
162 1,2,3-Trimethylbenzene	105	13.221	13.218	0.003	98	299167	10.0	9.32	
163 Benzyl chloride	91	13.285	13.286	-0.001	98	151837	10.0	9.54	
164 1,3-Diethylbenzene	119	13.340	13.340	0.000	96	159197	10.0	8.20	
165 p-Diethylbenzene	119	13.411	13.411	0.000	96	162896	10.0	8.02	
166 n-Butylbenzene	92	13.430	13.430	0.000	97	121443	10.0	8.02	
167 1,2-Dichlorobenzene	146	13.466	13.466	0.000	99	172189	10.0	9.85	
168 o-diethylbenzene	119	13.482	13.482	0.000	94	145505	10.0	8.37	
170 1,2-Dibromo-3-Chloropropane	75	14.002	14.003	-0.001	93	22706	10.0	9.44	
171 1,3,5-Trichlorobenzene	180	14.121	14.122	-0.001	97	120466	10.0	8.34	
172 1,2,4-Trichlorobenzene	180	14.543	14.543	0.000	94	116899	10.0	8.70	
173 2-Ethylhexyl acrylate	55	14.597	14.597	0.000	81	91780	10.0	8.72	
174 Hexachlorobutadiene	225	14.626	14.623	0.003	95	42776	10.0	7.68	
175 Naphthalene	128	14.729	14.729	0.000	96	382110	10.0	9.57	
176 1,2,3-Trichlorobenzene	180	14.874	14.871	0.003	95	122317	10.0	8.89	
177 2-Methylnaphthalene	142	15.514	15.517	-0.003	92	197870	10.0	8.46	
S 238 Total Diethylbenzene	1				0			24.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00254	Amount Added:	2.00	Units: uL	
MSV_CCV_GASES_01121	Amount Added:	1.00	Units: uL	
MSV_CCV_VOC#3_00256	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00247	Amount Added:	2.00	Units: uL	
MSV_CCV_CYC_00012	Amount Added:	8.00	Units: uL	
MSV_CCV_ETOH_00011	Amount Added:	8.00	Units: uL	
MSV_CCV_OH_Sp_00026	Amount Added:	2.00	Units: uL	
MSV_Cent_ISSS_00044	Amount Added:	5.00	Units: uL	Run Reagent
MSV_V_SMFreon_00052	Amount Added:	0.00	Units:	Run Reagent

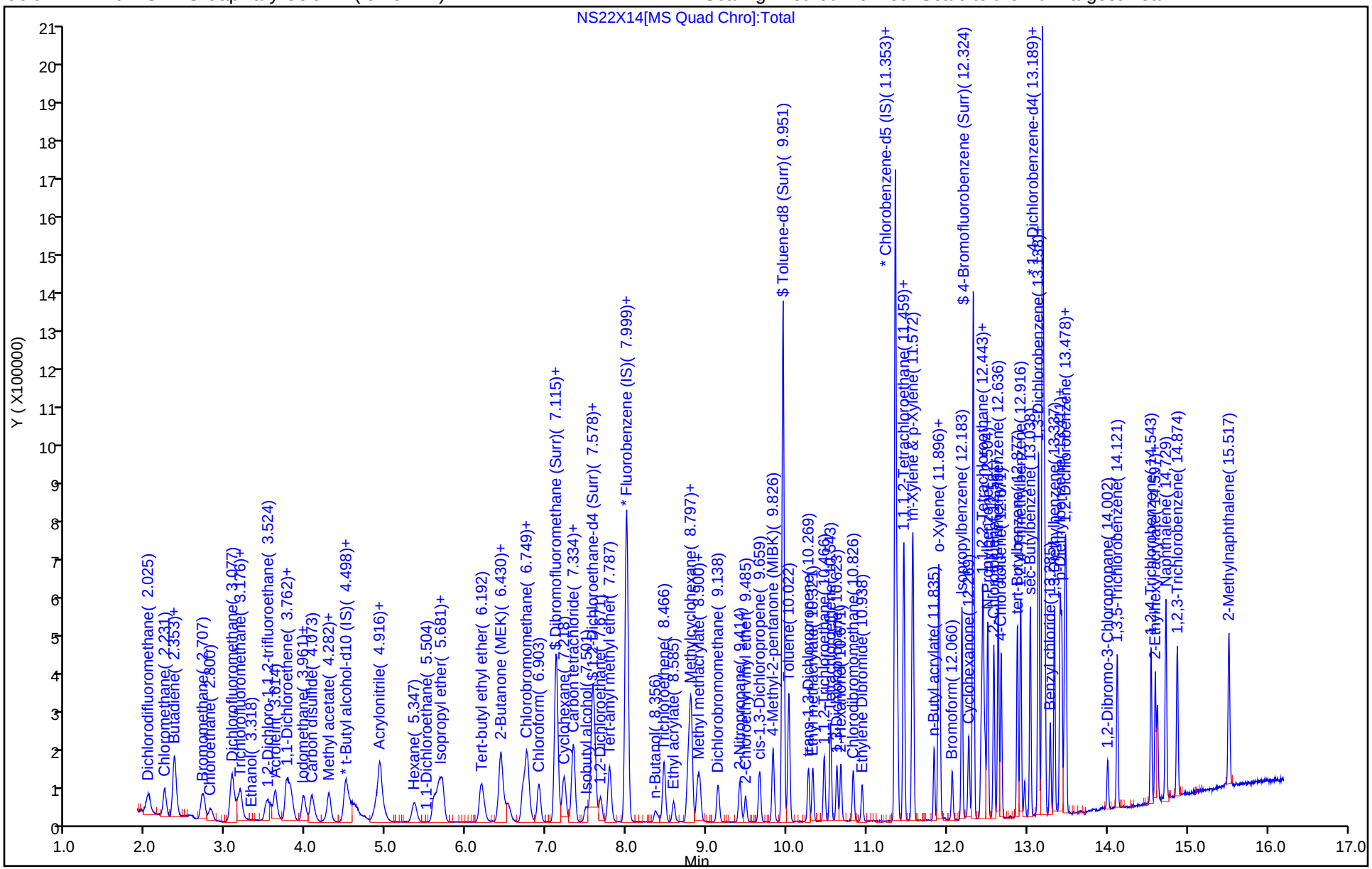
Report Date: 23-Sep-2025 09:36:02 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X14.D

Injection Date:	22-Sep-2025 18:51:09	Instrument ID:	7159	Operator ID:	kas02648
Lims ID:	IC v10			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

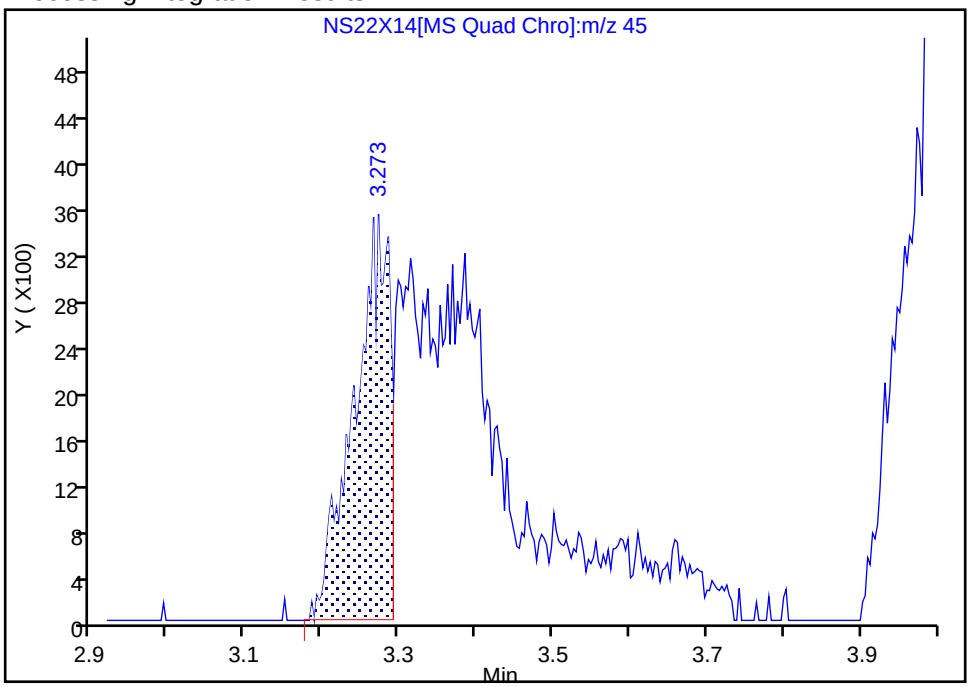
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X14.D
Injection Date: 22-Sep-2025 18:51:09 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

13 Ethanol, CAS: 64-17-5

Signal: 1

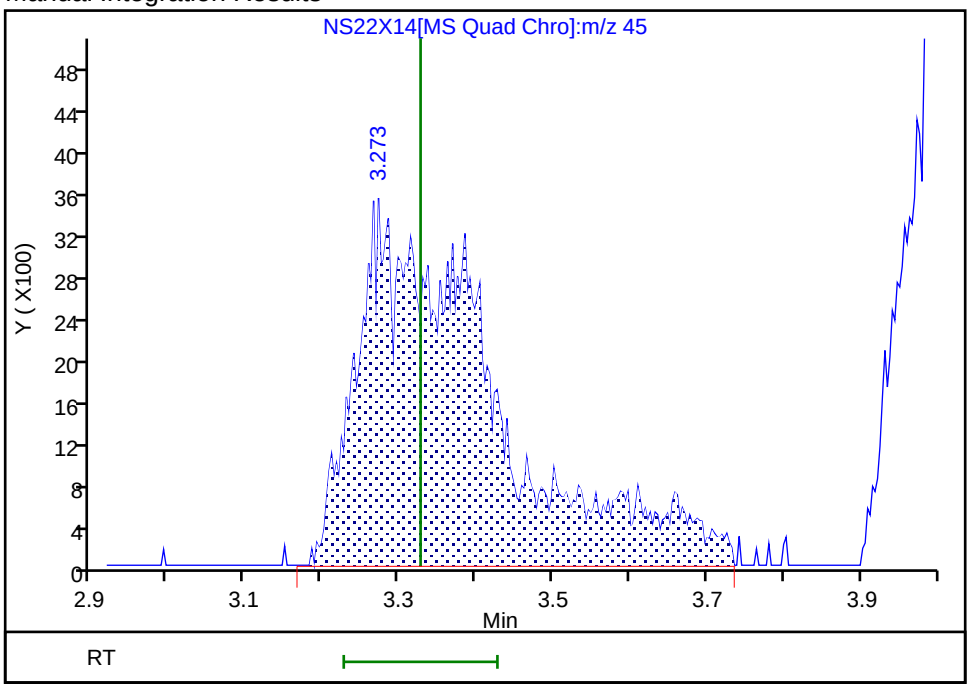
Processing Integration Results

RT: 3.27
Area: 11109
Amount: 182.8145
Amount Units: ug/l



Manual Integration Results

RT: 3.27
Area: 42168
Amount: 528.2082
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:32:18 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

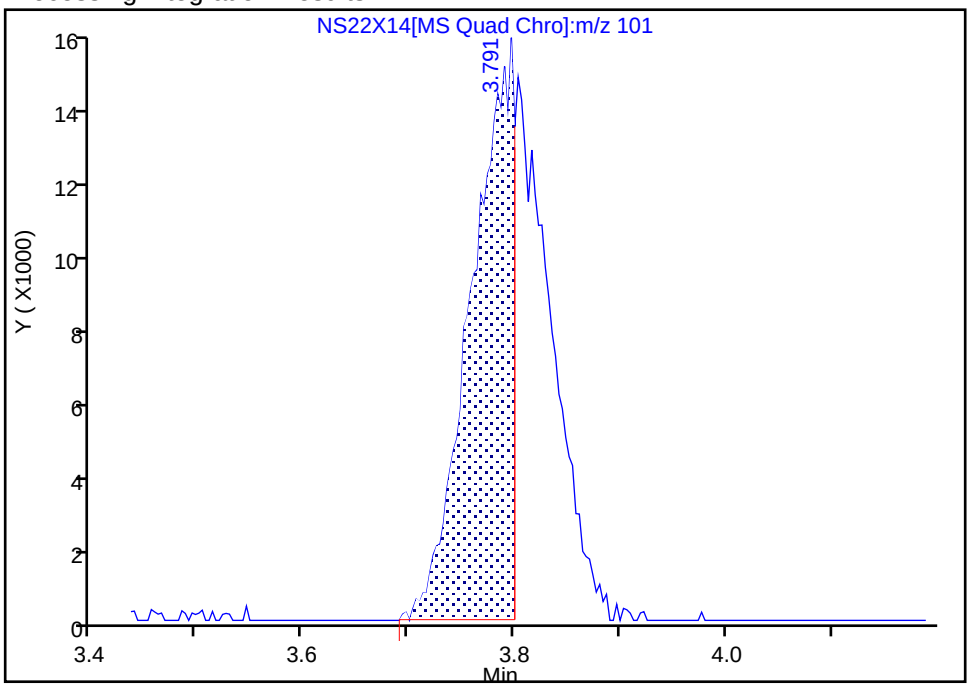
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X14.D
Injection Date: 22-Sep-2025 18:51:09 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

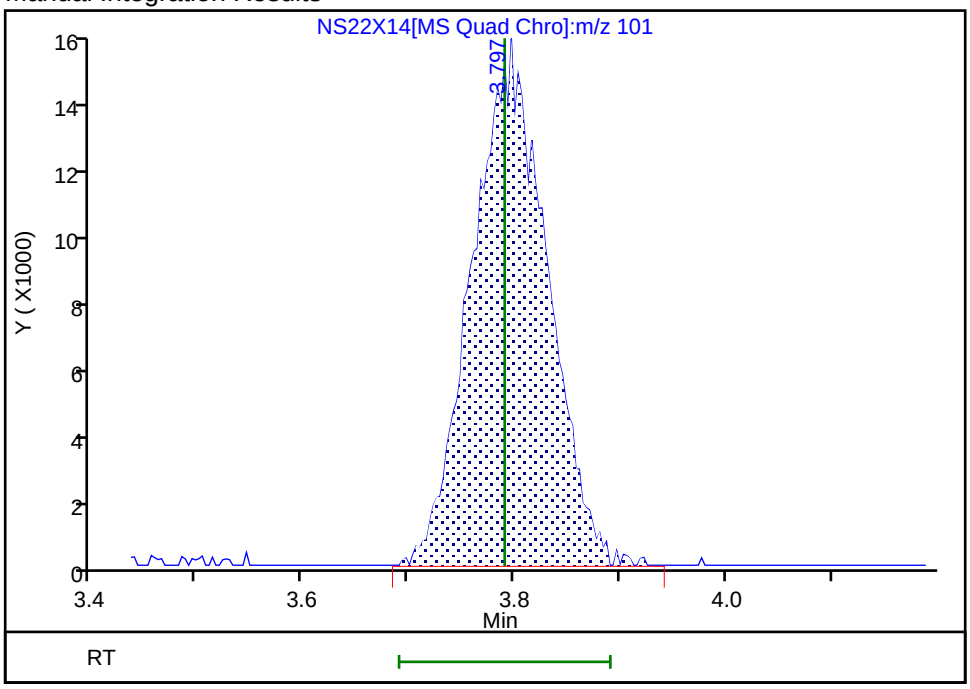
Processing Integration Results

RT: 3.79
Area: 41632
Amount: 7.492206
Amount Units: ug/l



Manual Integration Results

RT: 3.80
Area: 73653
Amount: 8.904469
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:32:29 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

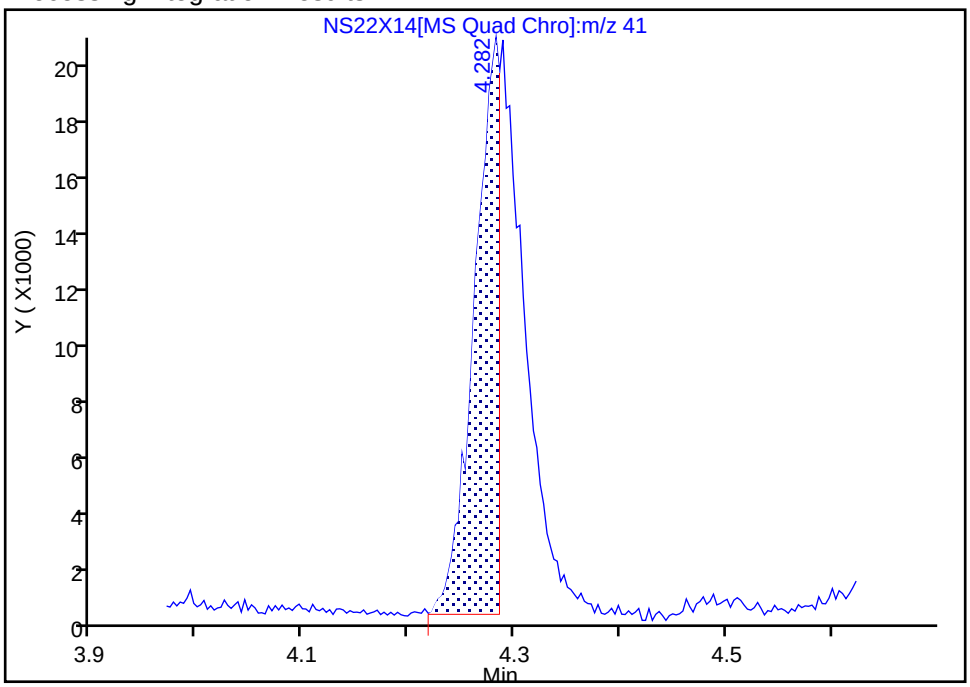
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X14.D
Injection Date: 22-Sep-2025 18:51:09 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

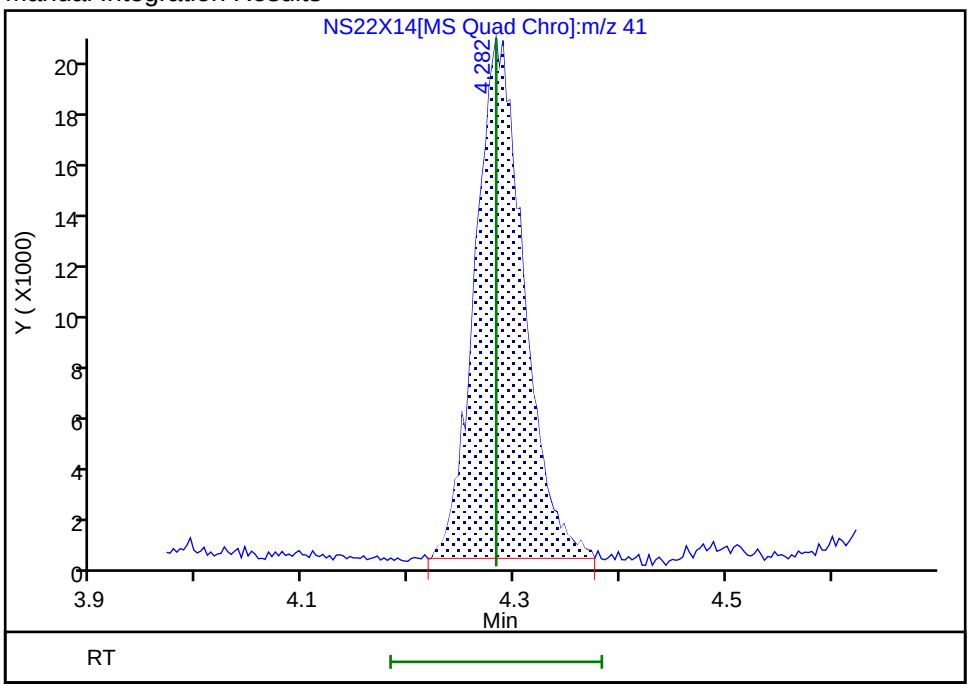
Processing Integration Results

RT: 4.28
Area: 34123
Amount: 7.449960
Amount Units: ug/l



Manual Integration Results

RT: 4.28
Area: 66395
Amount: 9.950564
Amount Units: ug/l



Reviewer: UKEK, 23-Sep-2025 09:01:30 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

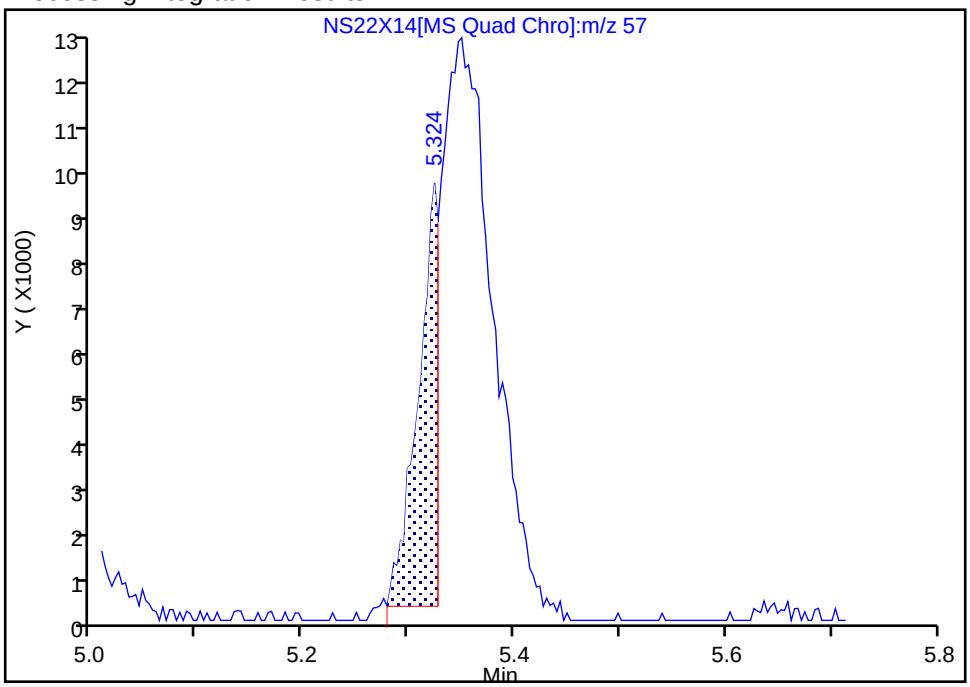
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X14.D
Injection Date: 22-Sep-2025 18:51:09 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

33 Hexane, CAS: 110-54-3

Signal: 1

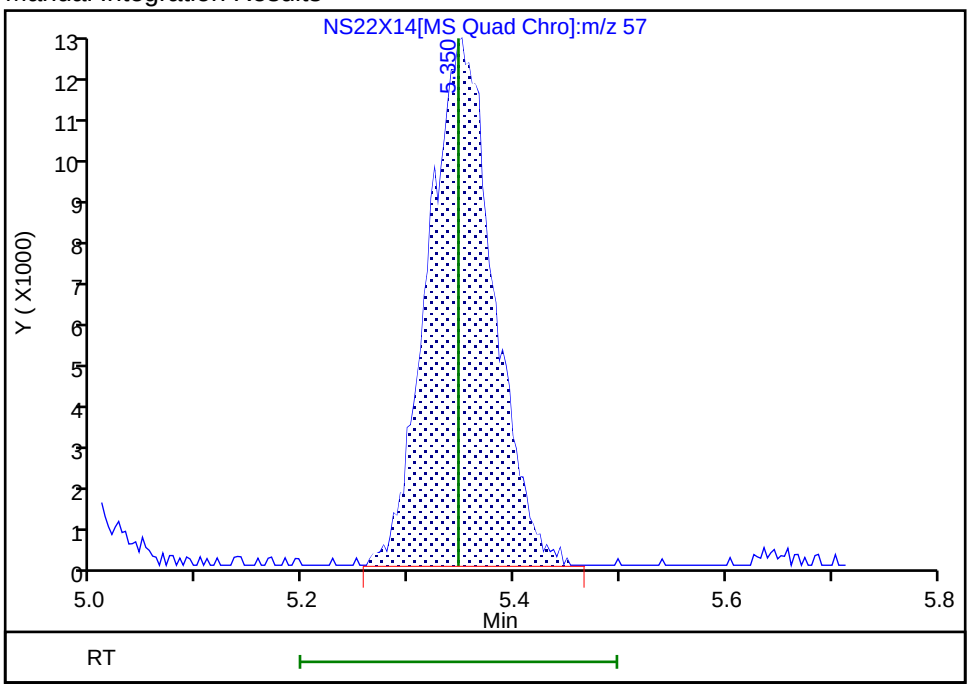
Processing Integration Results

RT: 5.32
Area: 11972
Amount: 1.887168
Amount Units: ug/l



Manual Integration Results

RT: 5.35
Area: 53887
Amount: 7.485390
Amount Units: ug/l



Reviewer: UKEK, 23-Sep-2025 09:01:50 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

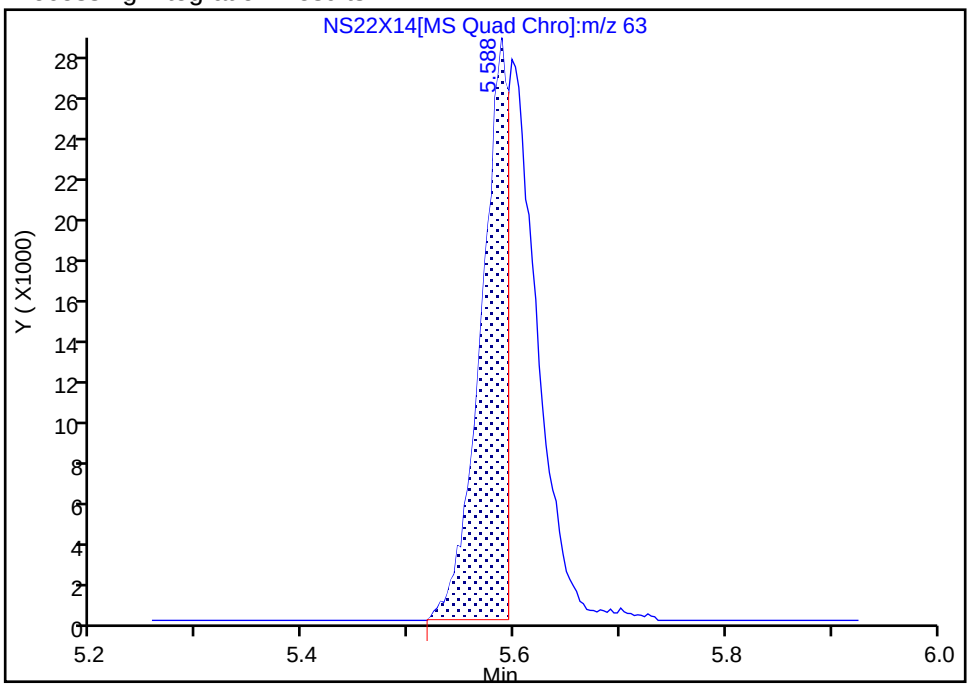
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X14.D				
Injection Date:	22-Sep-2025 18:51:09	Instrument ID:	7159		
Lims ID:	IC v10				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

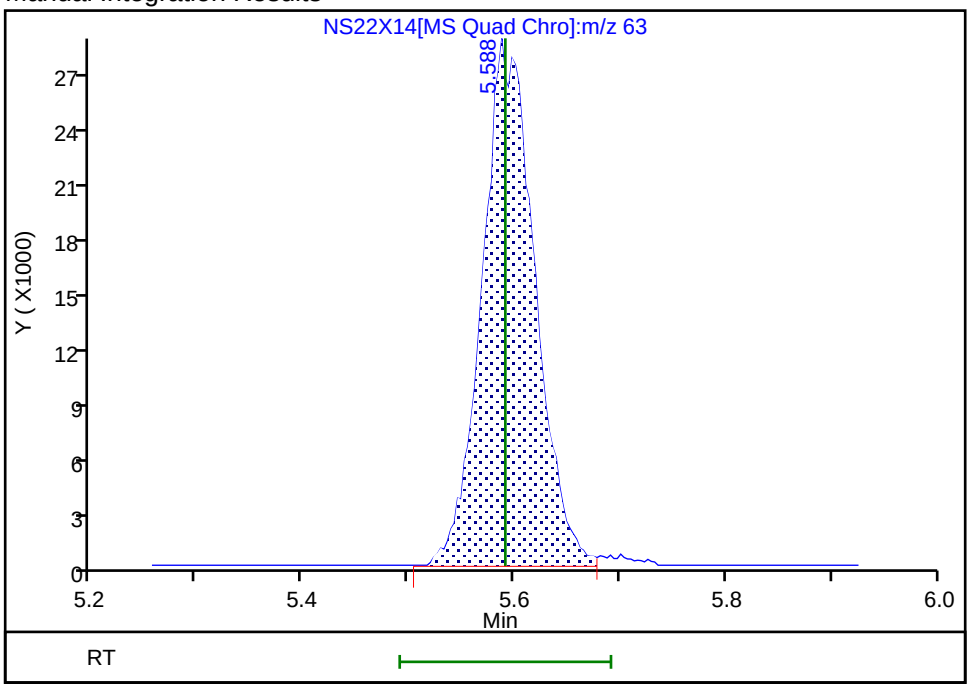
Processing Integration Results

RT: 5.59
Area: 51444
Amount: 6.918963
Amount Units: ug/l



Manual Integration Results

RT: 5.59
Area: 99865
Amount: 10.364692
Amount Units: ug/l



Reviewer: UKEK, 23-Sep-2025 09:02:08 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

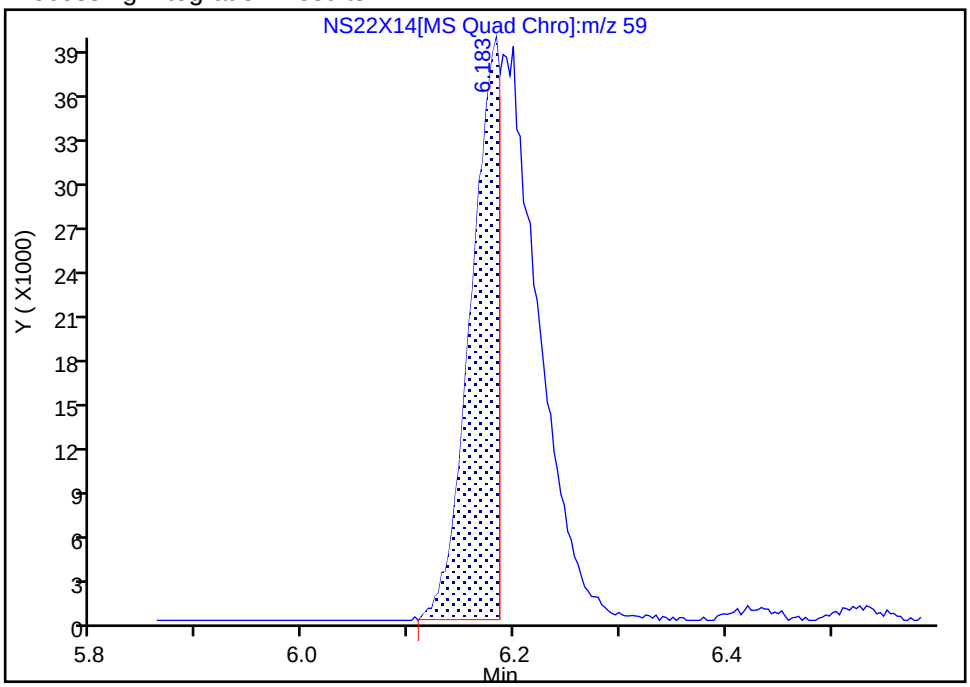
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X14.D
Injection Date: 22-Sep-2025 18:51:09 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

39 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

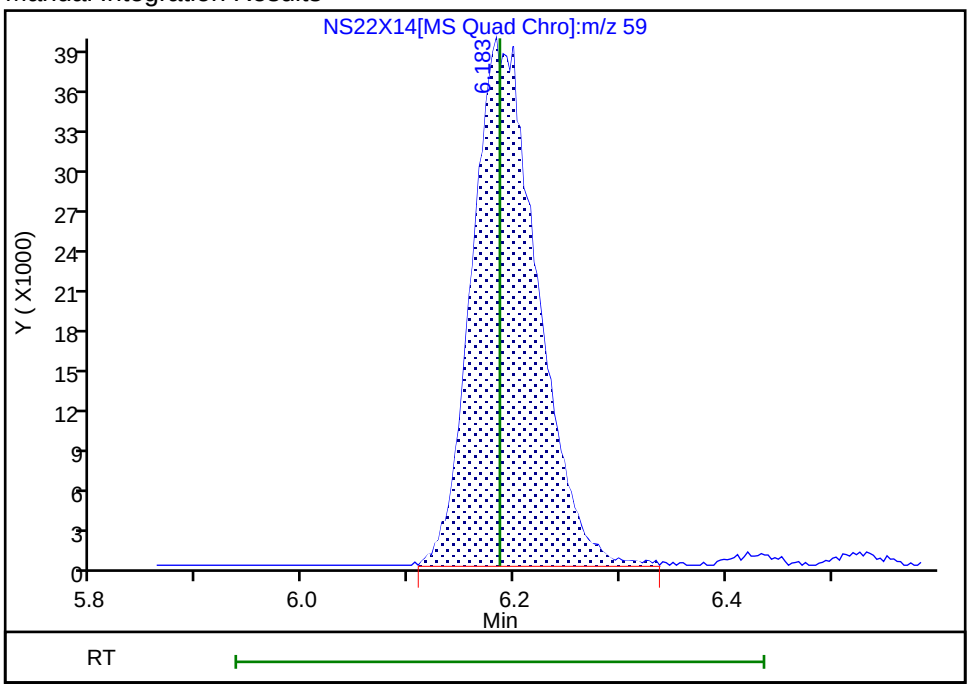
Processing Integration Results

RT: 6.18
Area: 75091
Amount: 6.110339
Amount Units: ug/l



Manual Integration Results

RT: 6.18
Area: 169313
Amount: 9.782834
Amount Units: ug/l



Reviewer: UKEK, 23-Sep-2025 09:02:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

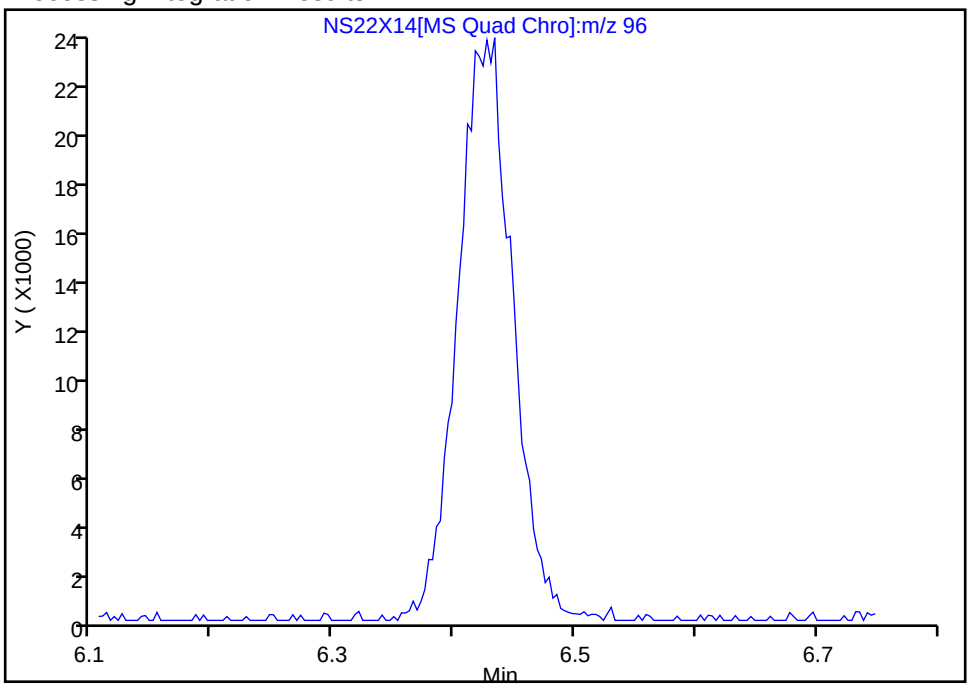
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X14.D				
Injection Date:	22-Sep-2025 18:51:09	Instrument ID:	7159		
Lims ID:	IC v10				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

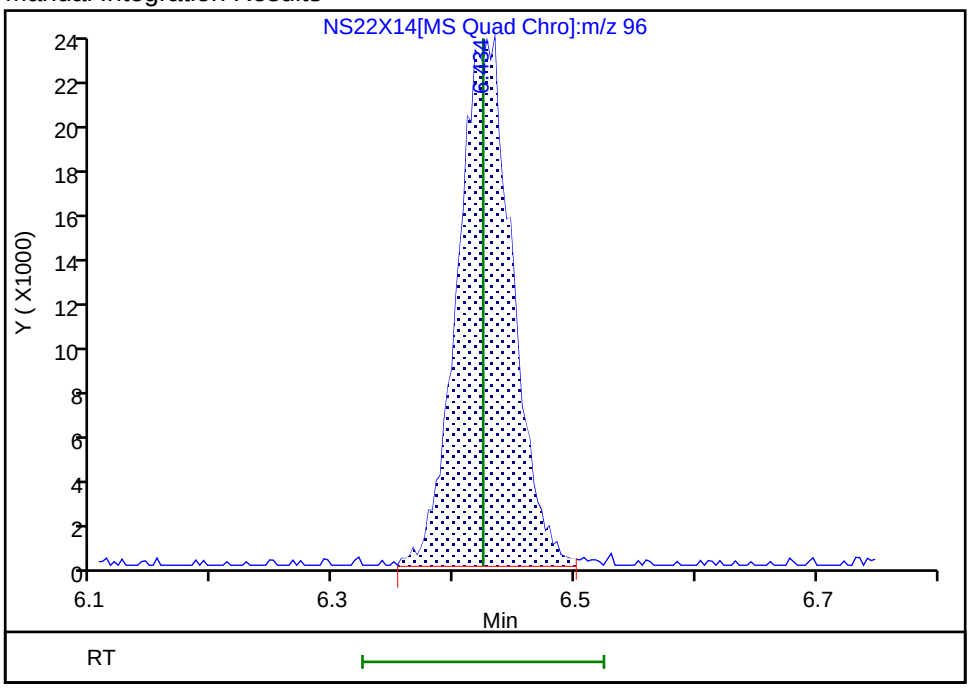
Not Detected
Expected RT: 6.42

Processing Integration Results



Manual Integration Results

RT: 6.43
Area: 73690
Amount: 10.065174
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:33:00 -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

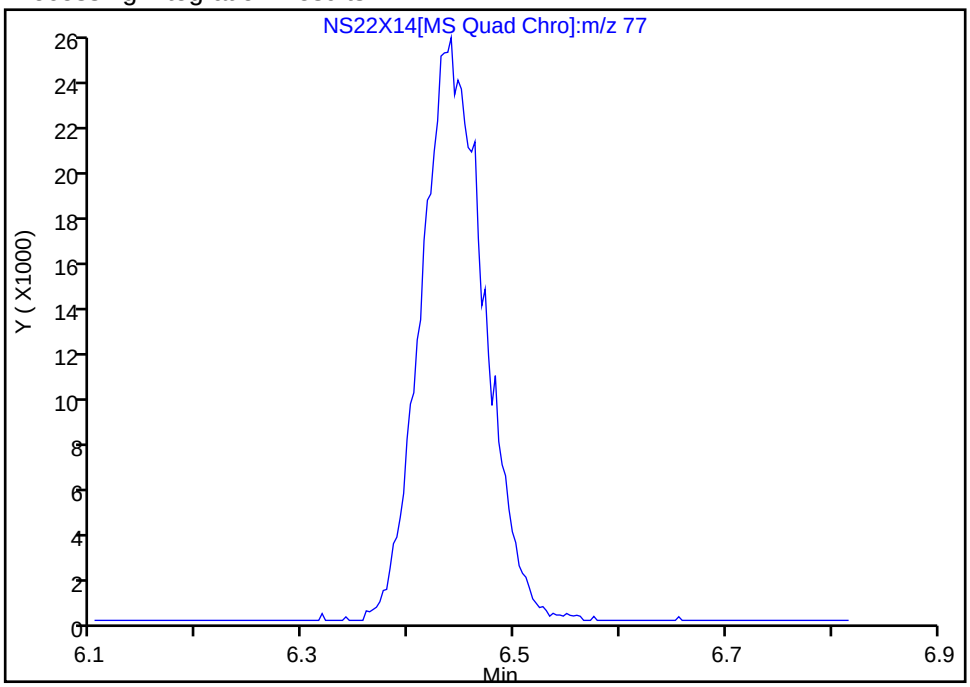
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X14.D				
Injection Date:	22-Sep-2025 18:51:09	Instrument ID:	7159		
Lims ID:	IC v10				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

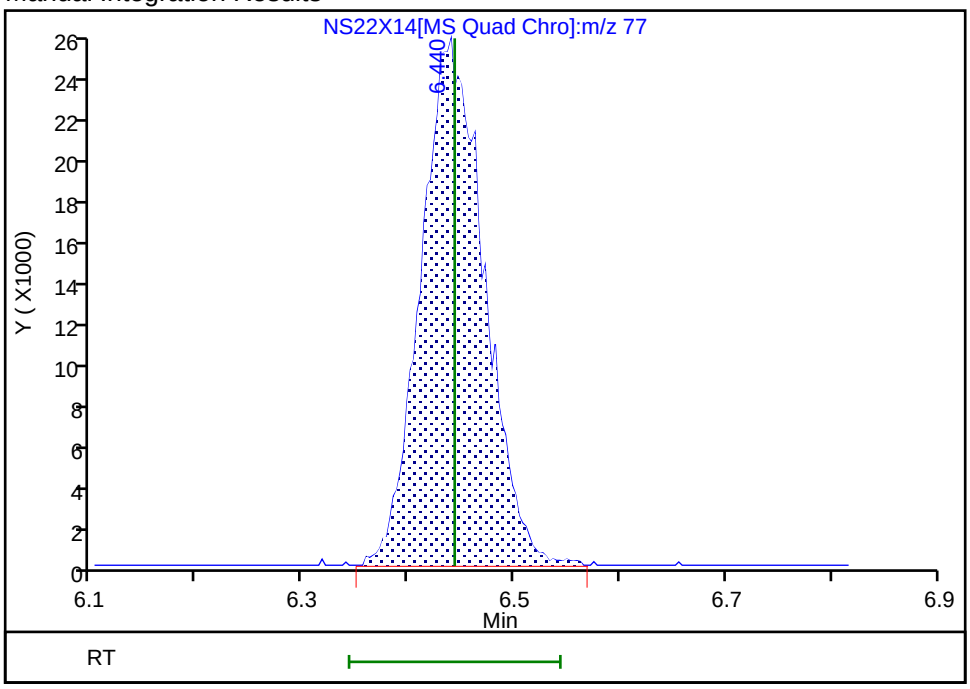
Not Detected
Expected RT: 6.44

Processing Integration Results



Manual Integration Results

RT: 6.44
Area: 106094
Amount: 9.809109
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:33:04 -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

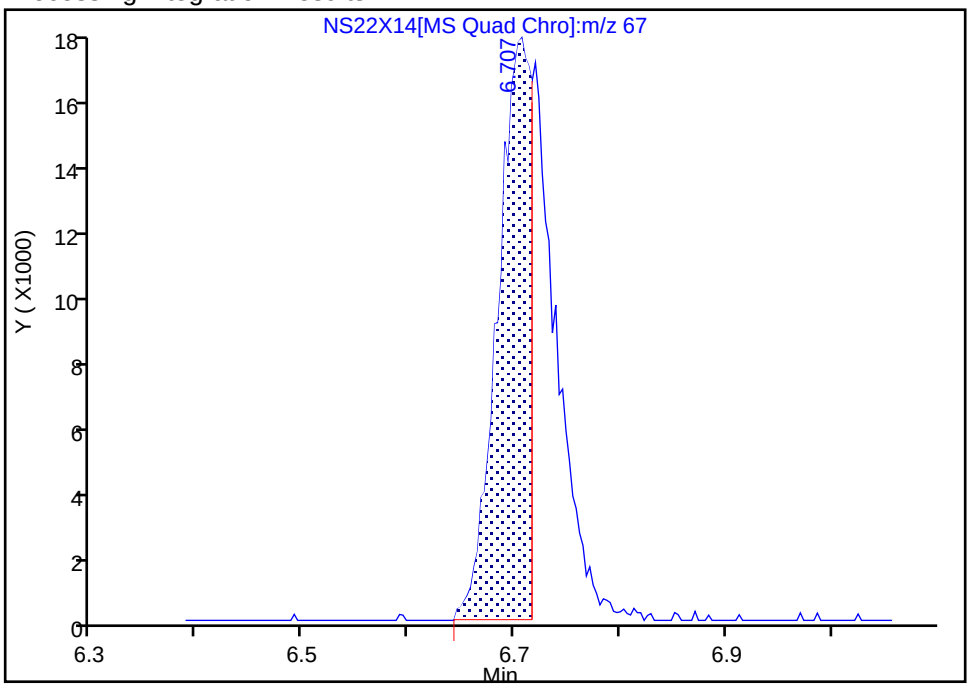
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X14.D				
Injection Date:	22-Sep-2025 18:51:09	Instrument ID:	7159		
Lims ID:	IC v10				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

46 Methacrylonitrile, CAS: 126-98-7

Signal: 1

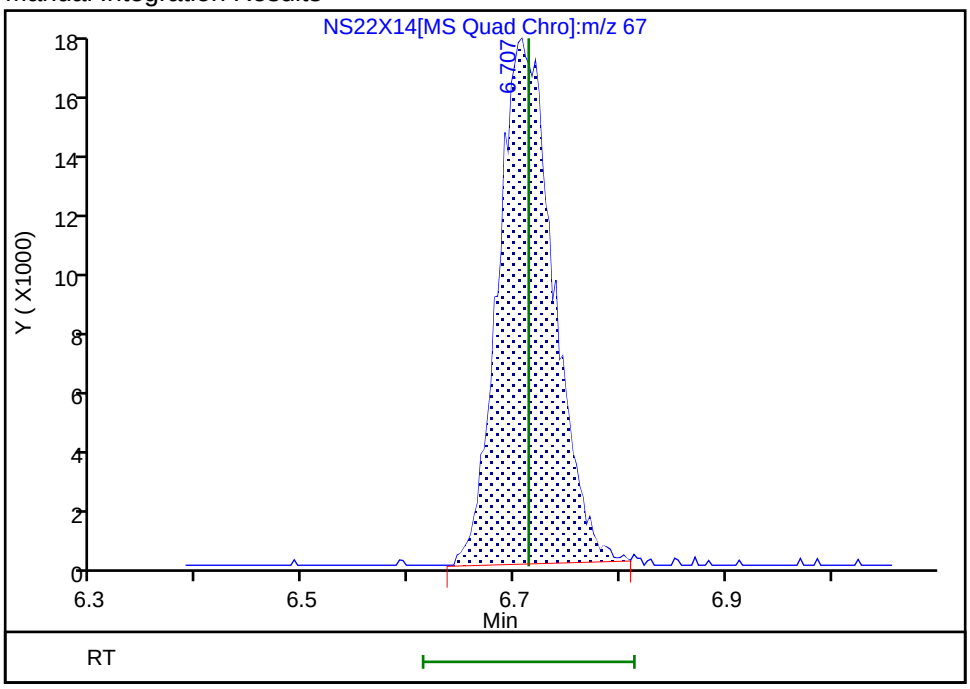
Processing Integration Results

RT: 6.71
Area: 38978
Amount: 17.554157
Amount Units: ug/l



Manual Integration Results

RT: 6.71
Area: 63992
Amount: 24.364998
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:33:12 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

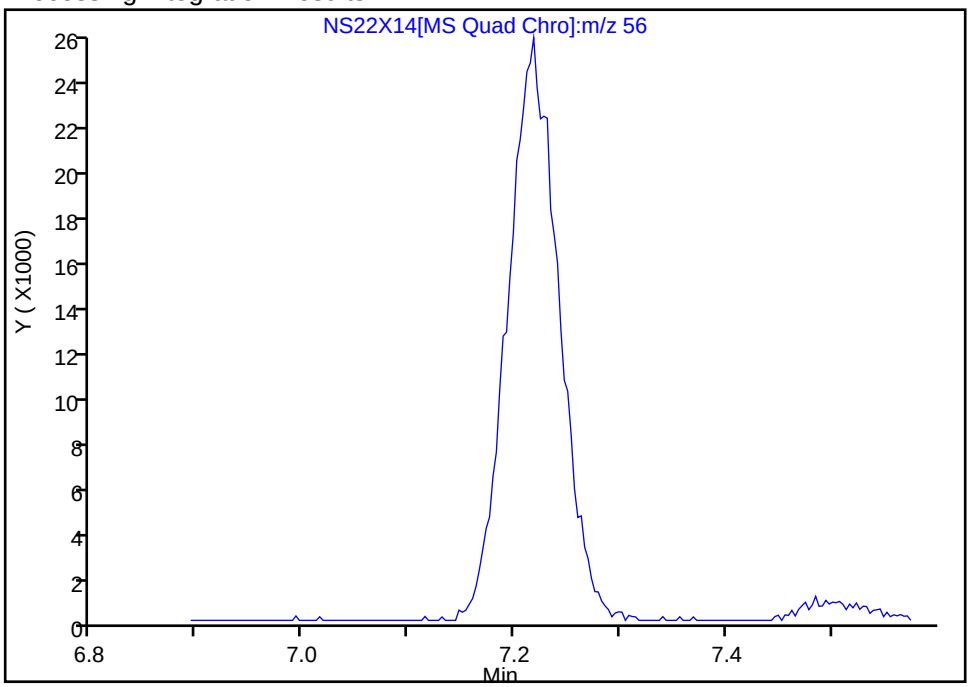
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X14.D
Injection Date: 22-Sep-2025 18:51:09 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

52 Cyclohexane, CAS: 110-82-7

Signal: 1

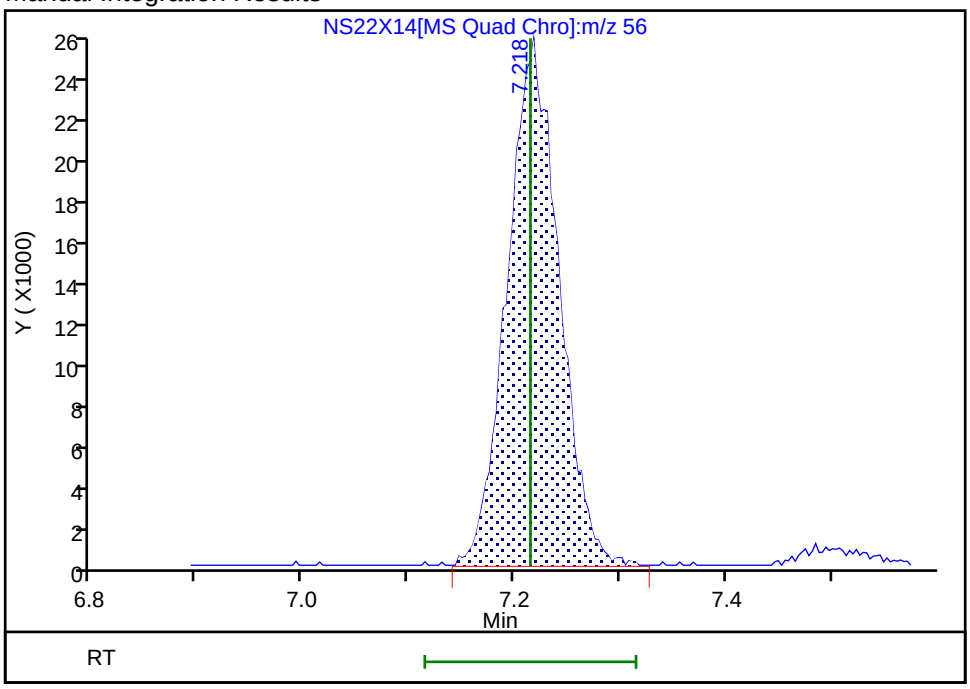
Not Detected
Expected RT: 7.21

Processing Integration Results



Manual Integration Results

RT: 7.22
Area: 87297
Amount: 8.360568
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:33:19 -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

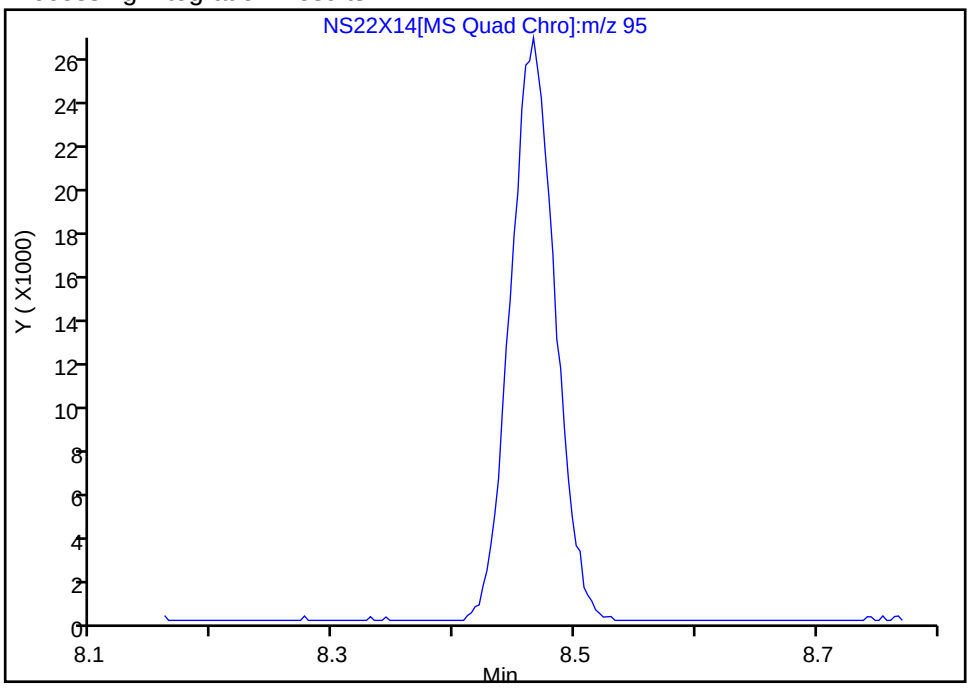
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X14.D				
Injection Date:	22-Sep-2025 18:51:09	Instrument ID:	7159		
Lims ID:	IC v10				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6

Signal: 1

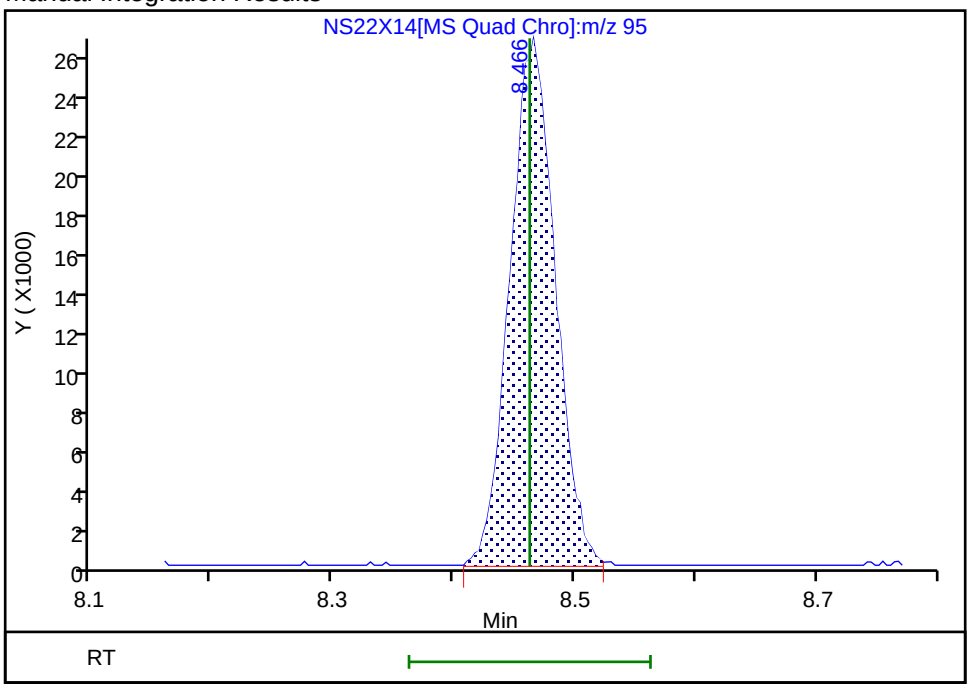
Not Detected
Expected RT: 8.46

Processing Integration Results



Manual Integration Results

RT: 8.47
Area: 68353
Amount: 9.817935
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:33:28 -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

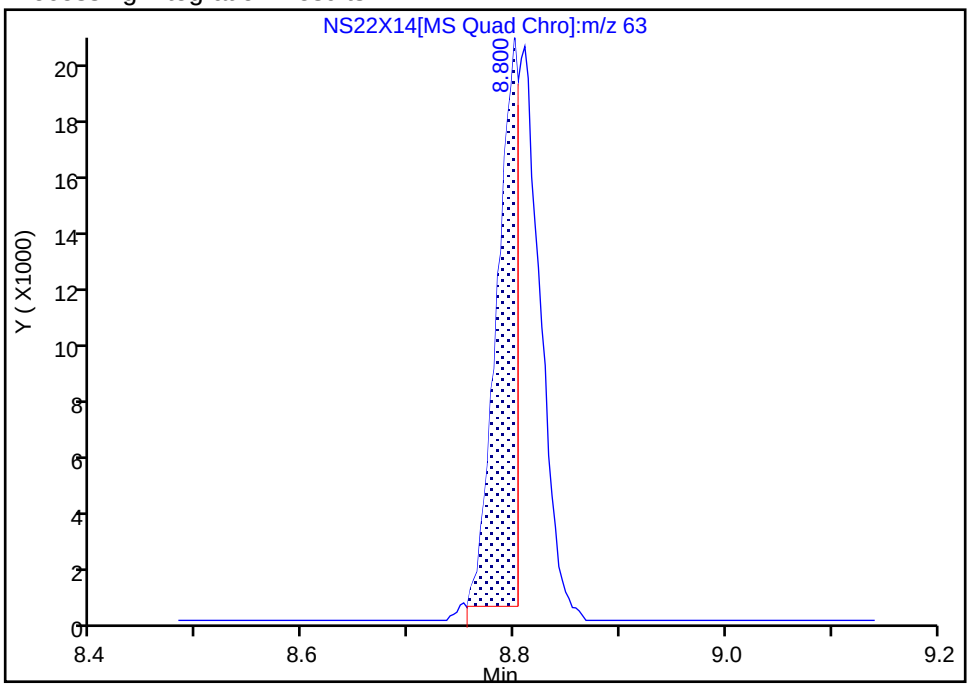
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X14.D				
Injection Date:	22-Sep-2025 18:51:09	Instrument ID:	7159		
Lims ID:	IC v10				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

69 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

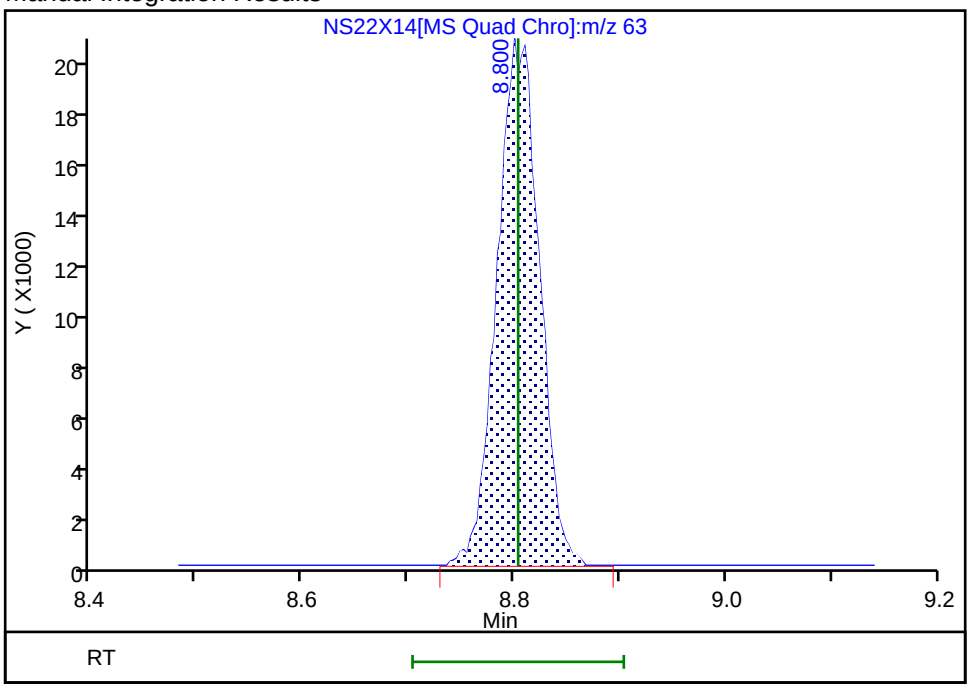
Processing Integration Results

RT: 8.80
Area: 27668
Amount: 6.971235
Amount Units: ug/l



Manual Integration Results

RT: 8.80
Area: 56224
Amount: 10.120322
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:33:38 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

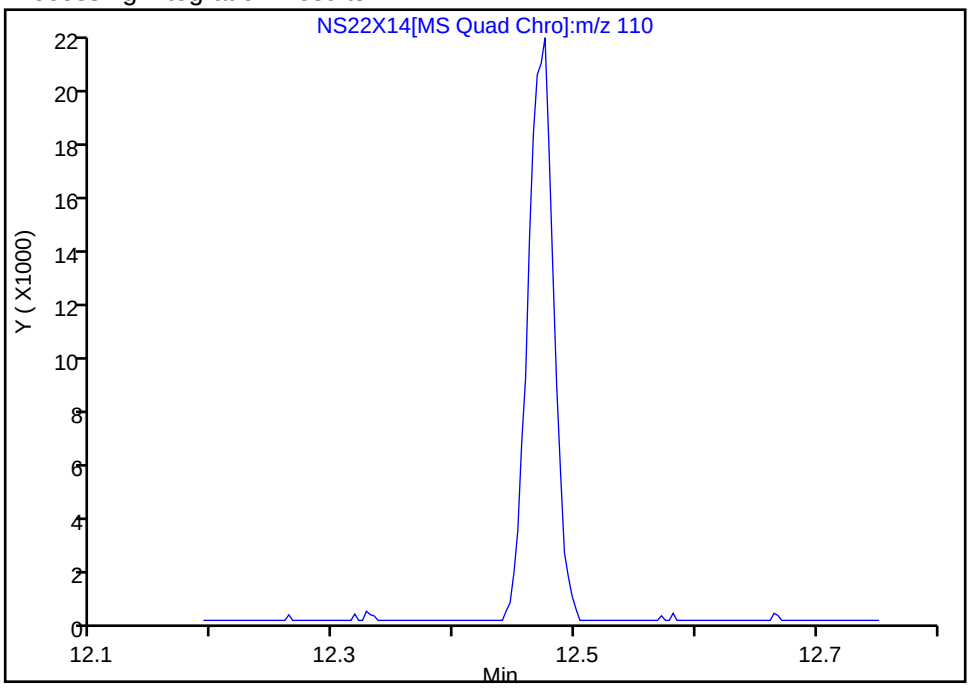
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X14.D
Injection Date: 22-Sep-2025 18:51:09 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

148 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

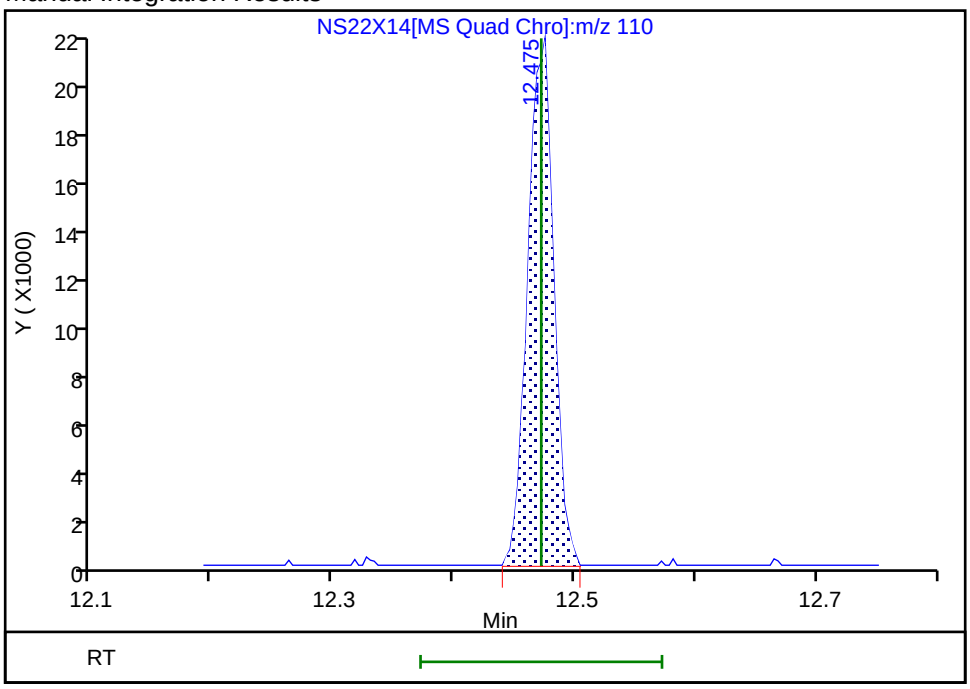
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.48
Area: 31747
Amount: 10.397782
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:33:51 -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\7159\20250922-160533.b\NS22X15.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 22-Sep-2025 19:10:58 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0160533-015
Misc. Info.: IC V20
Operator ID: kas02648 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub47

Method: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 23-Sep-2025 09:36:17 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: UKAD Date: 22-Sep-2025 21:23:02

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.984					ND	
2	Dichlorodifluoromethane	85	2.042	2.042	0.000	99	367201	20.0	20.9	
3	Chlorodifluoromethane	51		2.041					ND	U
4	Chloromethane	50	2.241	2.241	0.000	99	250020	20.0	19.9	a
5	Butadiene	39	2.353	2.353	0.000	93	168013	20.0	20.7	
6	Vinyl chloride	62	2.363	2.363	0.000	98	259229	20.0	20.4	
7	2-Chloro-1,1,1-Trifluoroethane	118		2.443					ND	U
8	Bromomethane	94	2.717	2.717	0.000	91	198796	20.0	20.1	
9	Chloroethane	64	2.804	2.804	0.000	99	116054	20.0	19.9	
10	Dichlorofluoromethane	67	3.074	3.074	0.000	97	334689	20.0	20.1	
11	Trichlorofluoromethane	101	3.151	3.151	0.000	97	354075	20.0	20.8	M
12	Pentane	43	3.186	3.186	0.000	95	159434	20.0	20.3	
13	Ethanol	45	3.337	3.337	0.000	25	82301	999.9	1001.4	M
15	1,2-Dichloro-1,1,2-trifluoroetha	67	3.517	3.517	0.000	85	152201	20.0	20.0	
16	Acrolein	56	3.617	3.617	0.000	99	266429	195.2	196.4	
17	1,1-Dichloroethene	96	3.755	3.755	0.000	95	115579	20.0	19.8	
18	1,1,2-Trichloro-1,2,2-trifluoroe	101	3.813	3.813	0.000	85	174295	20.0	20.6	a
19	Acetone	58	3.804	3.804	0.000	82	27737	40.0	40.4	
20	Iodomethane	142	3.974	3.974	0.000	98	285676	20.0	20.5	
21	Isopropyl alcohol	45	3.996	3.996	0.000	41	86610	100.0	100.6	
22	Carbon disulfide	76	4.070	4.070	0.000	99	395296	20.0	20.2	
24	Methyl acetate	43	4.270	4.270	0.000	96	84466	20.0	19.2	M
25	3-Chloro-1-propene	41	4.283	4.283	0.000	91	138858	20.0	20.4	M
26	Methylene Chloride	84	4.488	4.488	0.000	85	130490	20.0	20.4	
* 27	t-Butyl alcohol-d10 (IS)	65	4.540	4.540	0.000	94	297828	250.0	250.0	
28	2-Methyl-2-propanol	59	4.649	4.649	0.000	97	127148	100.0	101.1	
29	Acrylonitrile	53	4.858	4.858	0.000	99	124238	50.0	50.4	
32	Methyl tert-butyl ether	73	4.923	4.923	0.000	96	401770	20.0	20.1	
31	trans-1,2-Dichloroethene	96	4.916	4.916	0.000	97	128949	20.0	19.8	M
33	Hexane	57	5.353	5.353	0.000	92	151671	20.0	20.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	5.595	5.595	0.000	96	199735	20.0	20.3	
36 Isopropyl ether	45	5.656	5.656	0.000	96	319061	20.0	20.1	
37 2-Chloro-1,3-butadiene	53	5.704	5.704	0.000	91	167637	20.0	20.3	a
S 38 1,2-Dichloroethene, Total	100				0			39.7	
39 Tert-butyl ethyl ether	59	6.183	6.183	0.000	97	355435	20.0	20.1	M
40 2-Butanone (MEK)	43	6.398	6.398	0.000	98	123972	40.0	39.2	
41 cis-1,2-Dichloroethene	96	6.424	6.424	0.000	78	149026	20.0	19.9	
43 2,2-Dichloropropane	77	6.447	6.447	0.000	85	223246	20.0	20.2	a
44 Propionitrile	54	6.501	6.501	0.000	95	110374	100.0	101.5	
45 Methyl acrylate	55	6.533	6.533	0.000	99	131766	20.0	20.1	
46 Methacrylonitrile	67	6.713	6.713	0.000	90	132108	50.0	49.2	
47 Chlorobromomethane	128	6.762	6.762	0.000	84	83537	20.0	20.5	a
48 Tetrahydrofuran	71	6.768	6.768	0.000	81	100977	100.0	100.1	
49 Chloroform	83	6.903	6.903	0.000	93	242368	20.0	19.8	
$ 50 Dibromofluoromethane (Surr)	113	7.115	7.115	0.000	94	303149	50.0	50.4	
51 1,1,1-Trichloroethane	97	7.128	7.128	0.000	97	255353	20.0	20.4	
52 Cyclohexane	56	7.222	7.222	0.000	87	216927	20.0	20.3	a
53 Carbon tetrachloride	117	7.331	7.331	0.000	96	239606	20.0	20.4	
54 1,1-Dichloropropene	75	7.337	7.337	0.000	96	164754	20.0	20.3	
55 Isobutyl alcohol	41	7.501	7.501	0.000	93	83455	250.0	240.3	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.575	7.575	0.000	96	67935	50.0	50.1	
57 Benzene	78	7.594	7.594	0.000	96	489558	20.0	20.3	M
59 1,2-Dichloroethane	62	7.672	7.672	0.000	98	158746	20.0	20.3	
60 Tert-amyl methyl ether	73	7.781	7.781	0.000	98	351394	20.0	19.6	M
* 62 Fluorobenzene (IS)	96	8.000	8.000	0.000	98	1058591	50.0	50.0	
63 n-Heptane	43	8.003	8.003	0.000	45	130859	20.0	21.1	
64 n-Butanol	56	8.363	8.363	0.000	88	64891	250.0	244.4	
65 Trichloroethene	95	8.463	8.463	0.000	94	140798	20.0	19.8	a
66 Ethyl acrylate	55	8.582	8.582	0.000	98	151805	20.0	20.0	
67 Methylcyclohexane	83	8.768	8.768	0.000	88	264703	20.0	20.7	
68 2-ethoxy-2-methyl butane	87	8.803	8.803	0.000	94	193357	20.0	20.0	
69 1,2-Dichloropropane	63	8.803	8.803	0.000	71	115400	20.0	20.3	
70 Methyl methacrylate	69	8.884	8.884	0.000	86	89600	20.0	20.3	
71 1,4-Dioxane	88	8.893	8.893	0.000	38	23915	250.0	260.5	
72 Dibromomethane	93	8.906	8.906	0.000	89	85577	20.0	20.3	
74 Dichlorobromomethane	83	9.138	9.138	0.000	99	167384	20.0	19.9	
75 2-Nitropropane	41	9.411	9.411	0.000	98	174919	100.0	100.9	
76 2-Chloroethyl vinyl ether	63	9.488	9.488	0.000	93	73573	20.0	20.3	
77 cis-1,3-Dichloropropene	75	9.659	9.659	0.000	96	181237	20.0	20.2	
78 4-Methyl-2-pentanone (MIBK)	43	9.826	9.826	0.000	96	268861	40.0	37.9	
$ 79 Toluene-d8 (Surr)	98	9.951	9.951	0.000	93	1057998	50.0	50.1	
118 Toluene	92	10.022	10.022	0.000	99	331328	20.0	20.3	
S 119 1,3-Dichloropropene, Total	100				0			40.3	
120 trans-1,3-Dichloropropene	75	10.270	10.270	0.000	91	165832	20.0	20.1	
121 Ethyl methacrylate	69	10.321	10.321	0.000	87	155682	20.0	20.0	
122 1,1,2-Trichloroethane	97	10.469	10.469	0.000	91	114561	20.0	19.9	M
123 Tetrachloroethene	166	10.543	10.543	0.000	98	187352	20.0	20.4	
124 1,3-Dichloropropane	76	10.623	10.623	0.000	88	175261	20.0	20.3	
126 2-Hexanone	43	10.675	10.675	0.000	95	181479	40.0	37.5	
128 Chlorodibromomethane	129	10.829	10.829	0.000	89	152166	20.0	20.3	
129 Ethylene Dibromide	107	10.938	10.938	0.000	99	126356	20.0	20.4	
S 130 Xylenes, Total	106				0			62.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.353	0.000	84	859548	50.0	50.0	
132 1-Chlorohexane	91	11.356	11.356	0.000	93	183510	20.0	19.8	
133 Chlorobenzene	112	11.379	11.379	0.000	97	393107	20.0	20.3	
134 1,1,1,2-Tetrachloroethane	131	11.456	11.456	0.000	96	174387	20.0	20.4	
135 Ethylbenzene	91	11.459	11.459	0.000	98	663215	20.0	20.5	
136 m-Xylene & p-Xylene	106	11.569	11.569	0.000	100	534888	40.0	41.6	
137 n-Butyl acrylate	55	11.836	11.836	0.000	97	216246	20.0	20.0	
138 o-Xylene	106	11.893	11.893	0.000	96	274676	20.0	20.5	
139 Styrene	104	11.906	11.906	0.000	94	419118	20.0	20.6	
140 Bromoform	173	12.061	12.061	0.000	98	114679	20.0	20.5	
141 Isopropylbenzene	105	12.183	12.183	0.000	95	781330	20.0	21.1	
143 Cyclohexanone	55	12.270	12.270	0.000	90	159474	500.0	505.7	
$ 144 4-Bromofluorobenzene (Surr)	95	12.324	12.324	0.000	98	398783	50.0	50.0	
145 1,1,2,2-Tetrachloroethane	83	12.424	12.424	0.000	95	183749	20.0	20.2	
146 Bromobenzene	156	12.443	12.443	0.000	91	191632	20.0	20.1	
147 trans-1,4-Dichloro-2-butene	53	12.450	12.450	0.000	87	114831	50.0	50.4	
148 1,2,3-Trichloropropane	110	12.472	12.472	0.000	83	64024	20.0	20.6	
149 N-Propylbenzene	91	12.504	12.504	0.000	98	845443	20.0	21.1	
150 2-Chlorotoluene	126	12.581	12.581	0.000	98	184965	20.0	20.3	
151 1,3,5-Trimethylbenzene	105	12.636	12.636	0.000	94	659714	20.0	20.9	
152 4-Chlorotoluene	126	12.675	12.675	0.000	96	179486	20.0	20.5	
154 tert-Butylbenzene	134	12.877	12.877	0.000	92	140142	20.0	20.0	
155 1,2,4-Trimethylbenzene	105	12.916	12.916	0.000	97	669348	20.0	20.8	
157 sec-Butylbenzene	105	13.038	13.038	0.000	94	843711	20.0	21.1	
158 1,3-Dichlorobenzene	146	13.135	13.135	0.000	98	367149	20.0	20.5	
159 4-Isopropyltoluene	119	13.141	13.141	0.000	97	759259	20.0	21.1	
* 160 1,4-Dichlorobenzene-d4	152	13.192	13.192	0.000	92	518515	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.208	13.208	0.000	96	363032	20.0	20.3	
162 1,2,3-Trimethylbenzene	105	13.218	13.218	0.000	98	674592	20.0	20.6	
163 Benzyl chloride	91	13.286	13.286	0.000	98	319854	20.0	19.7	
164 1,3-Diethylbenzene	119	13.337	13.337	0.000	96	414171	20.0	20.9	
165 p-Diethylbenzene	119	13.411	13.411	0.000	94	431083	20.0	20.8	
166 n-Butylbenzene	92	13.430	13.430	0.000	97	323916	20.0	21.0	
167 1,2-Dichlorobenzene	146	13.469	13.469	0.000	99	362668	20.0	20.3	
168 o-diethylbenzene	119	13.482	13.482	0.000	94	366200	20.0	20.7	
170 1,2-Dibromo-3-Chloropropane	75	13.999	13.999	0.000	92	47252	20.0	19.3	
171 1,3,5-Trichlorobenzene	180	14.122	14.122	0.000	97	301682	20.0	20.5	
172 1,2,4-Trichlorobenzene	180	14.543	14.543	0.000	94	277374	20.0	20.3	
173 2-Ethylhexyl acrylate	55	14.598	14.598	0.000	82	208440	20.0	19.4	
174 Hexachlorobutadiene	225	14.626	14.626	0.000	95	120293	20.0	21.2	
175 Naphthalene	128	14.729	14.729	0.000	96	820728	20.0	20.2	
176 1,2,3-Trichlorobenzene	180	14.874	14.874	0.000	96	285664	20.0	20.4	
177 2-Methylnaphthalene	142	15.514	15.514	0.000	92	472166	20.0	19.8	
S 238 Total Diethylbenzene	1				0			62.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00254	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_01121	Amount Added:	2.00	Units: uL	
MSV_CCV_VOC#3_00256	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00247	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00012	Amount Added:	16.00	Units: uL	
MSV_CCV_ETOH_00011	Amount Added:	16.00	Units: uL	
MSV_CCV_OH_Sp_00026	Amount Added:	4.00	Units: uL	
MSV_Cent_ISSS_00044	Amount Added:	5.00	Units: uL	Run Reagent
MSV_V_SMFreon_00052	Amount Added:	0.00	Units:	Run Reagent

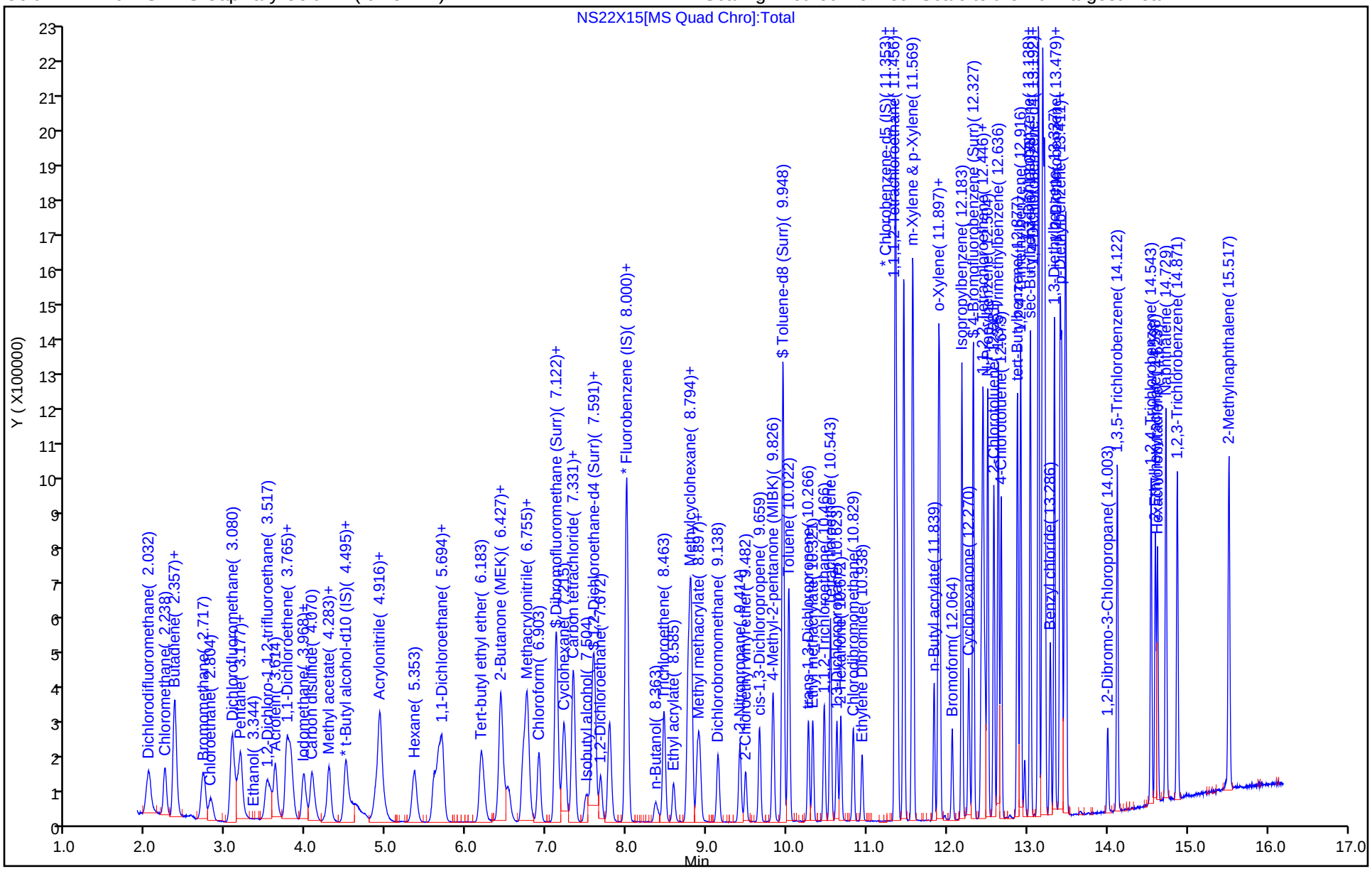
Report Date: 23-Sep-2025 09:36:18 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D

Injection Date:	22-Sep-2025 19:10:58	Instrument ID:	7159	Operator ID:	kas02648
Lims ID:	IC v20			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

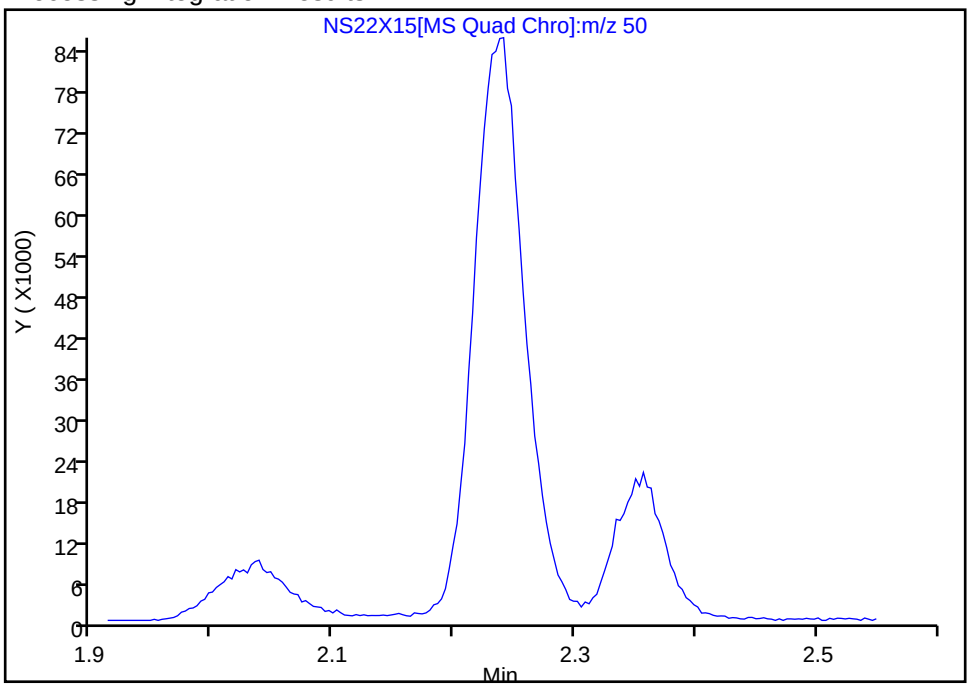
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D				
Injection Date:	22-Sep-2025 19:10:58	Instrument ID:	7159		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

4 Chloromethane, CAS: 74-87-3

Signal: 1

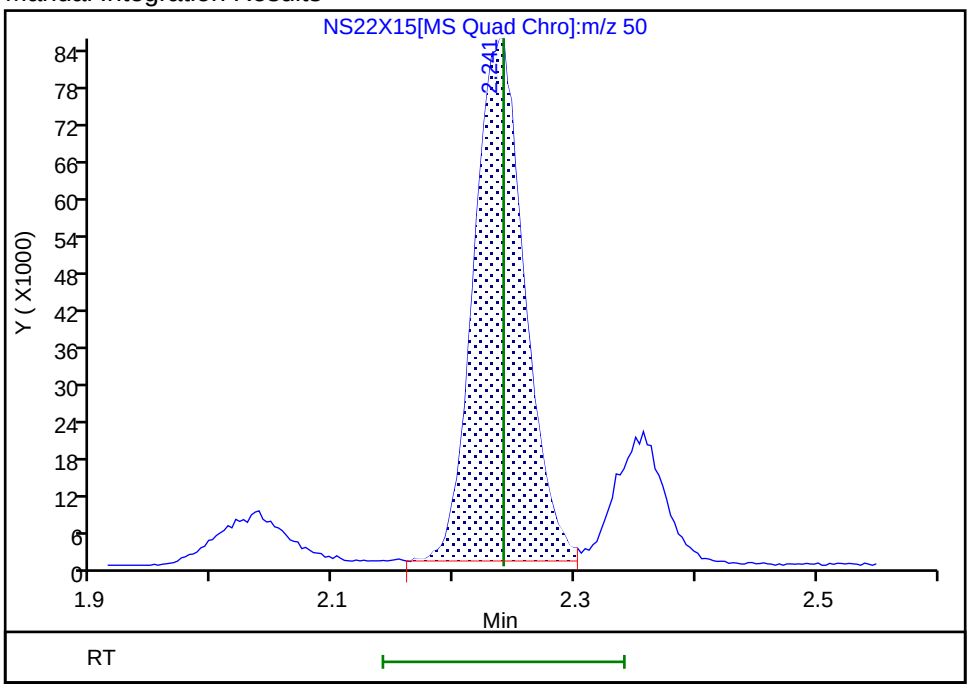
Not Detected
Expected RT: 2.24

Processing Integration Results



Manual Integration Results

RT: 2.24
Area: 250020
Amount: 19.880946
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:29:43 -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

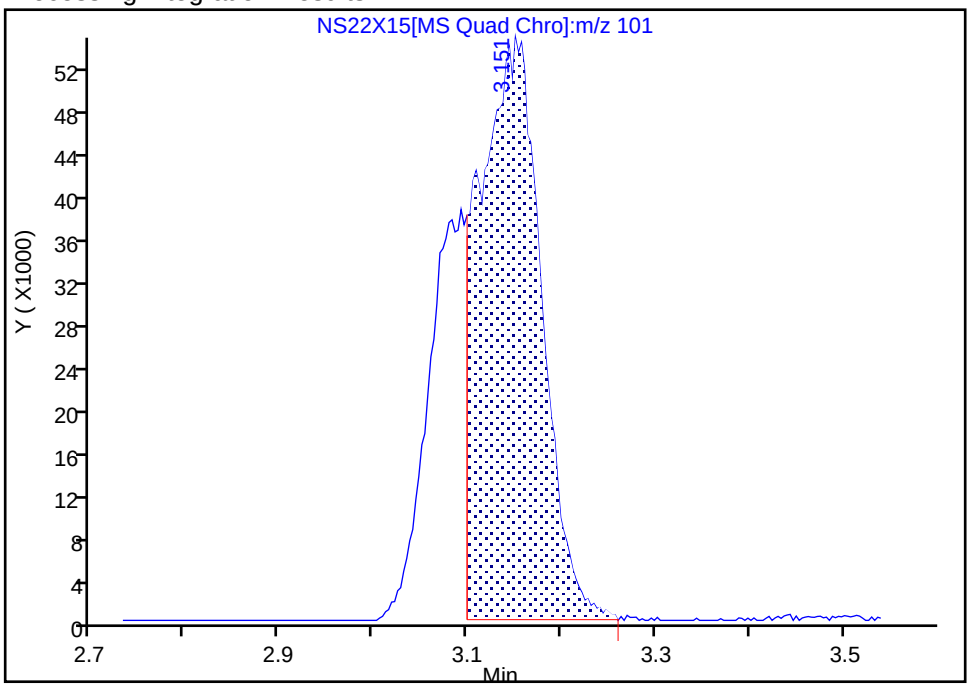
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D				
Injection Date:	22-Sep-2025 19:10:58	Instrument ID:	7159		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

11 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

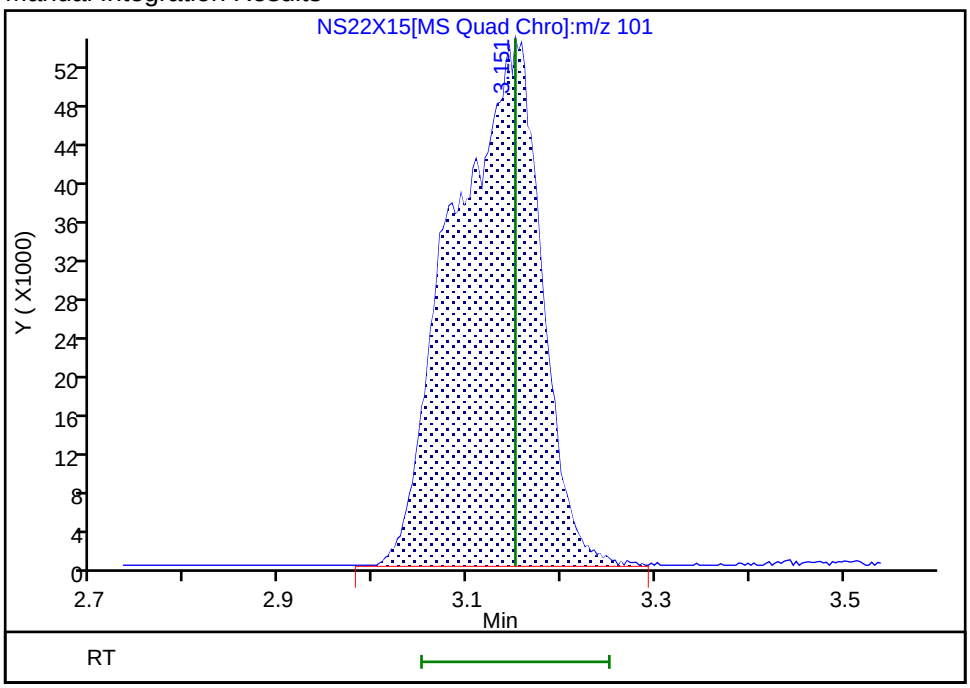
Processing Integration Results

RT: 3.15
Area: 252550
Amount: 14.534466
Amount Units: ug/l



Manual Integration Results

RT: 3.15
Area: 354075
Amount: 20.834712
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:29:51 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

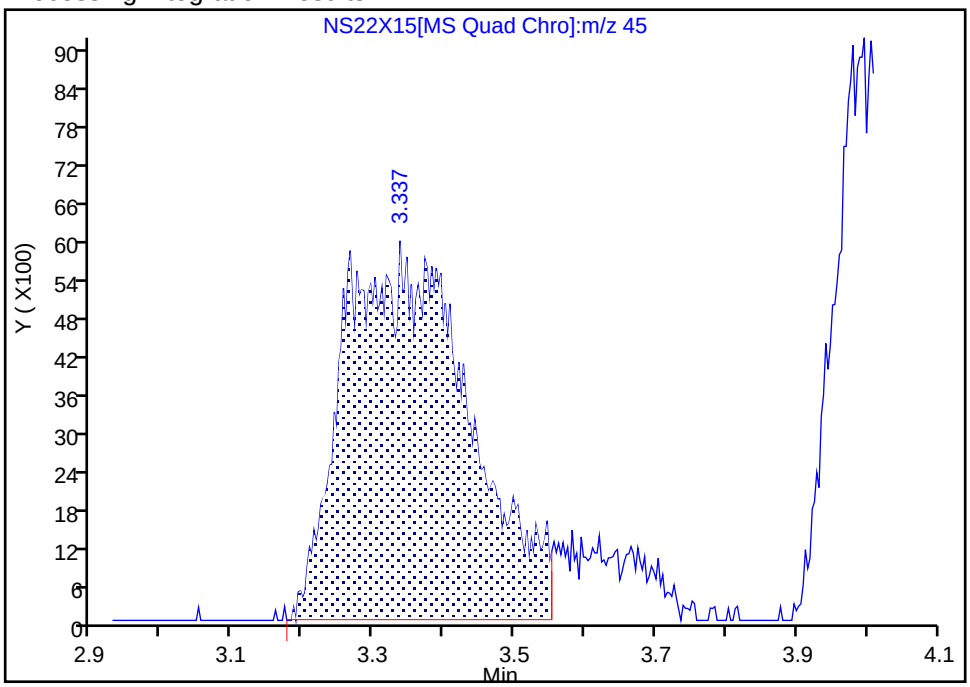
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D				
Injection Date:	22-Sep-2025 19:10:58	Instrument ID:	7159		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

13 Ethanol, CAS: 64-17-5

Signal: 1

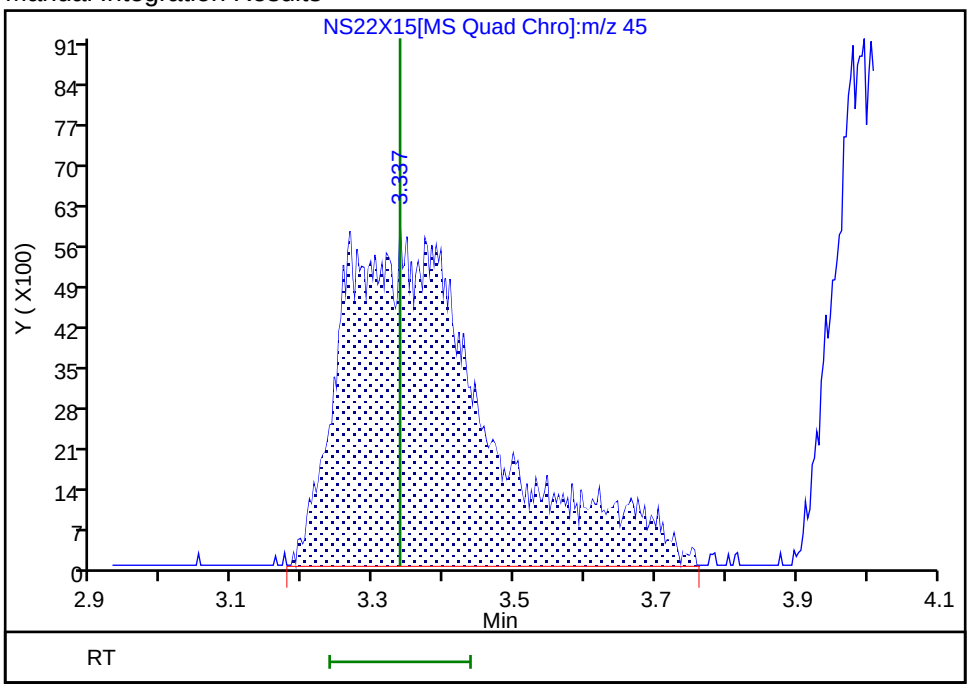
Processing Integration Results

RT: 3.34
Area: 72363
Amount: 895.9312
Amount Units: ug/l



Manual Integration Results

RT: 3.34
Area: 82301
Amount: 1001.3714
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:23:02 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

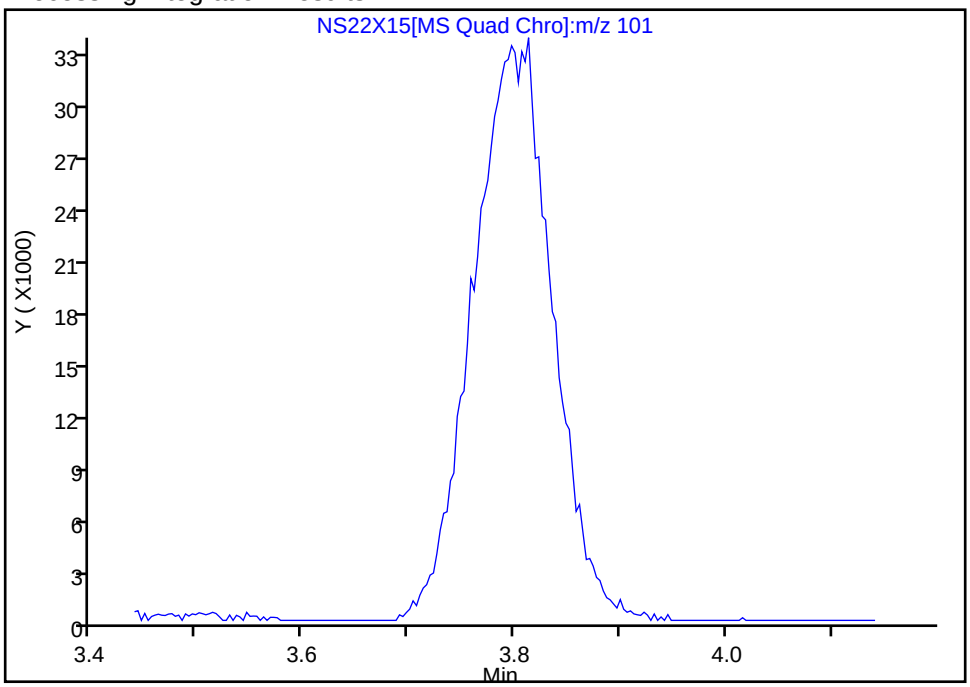
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D				
Injection Date:	22-Sep-2025 19:10:58	Instrument ID:	7159		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

18 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

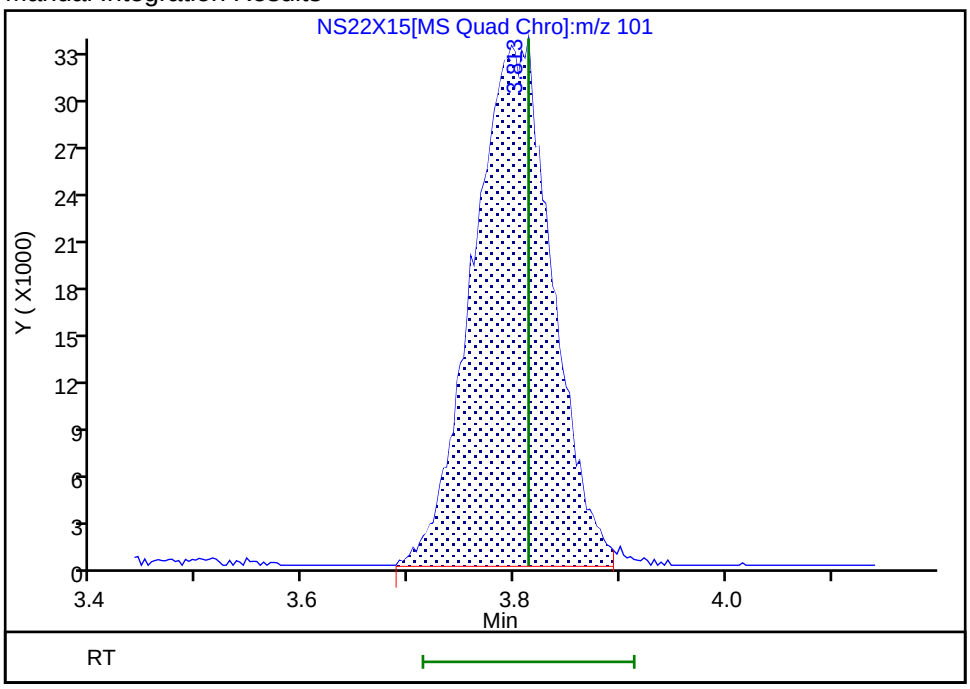
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 174295
Amount: 20.614173
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:30:00 -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

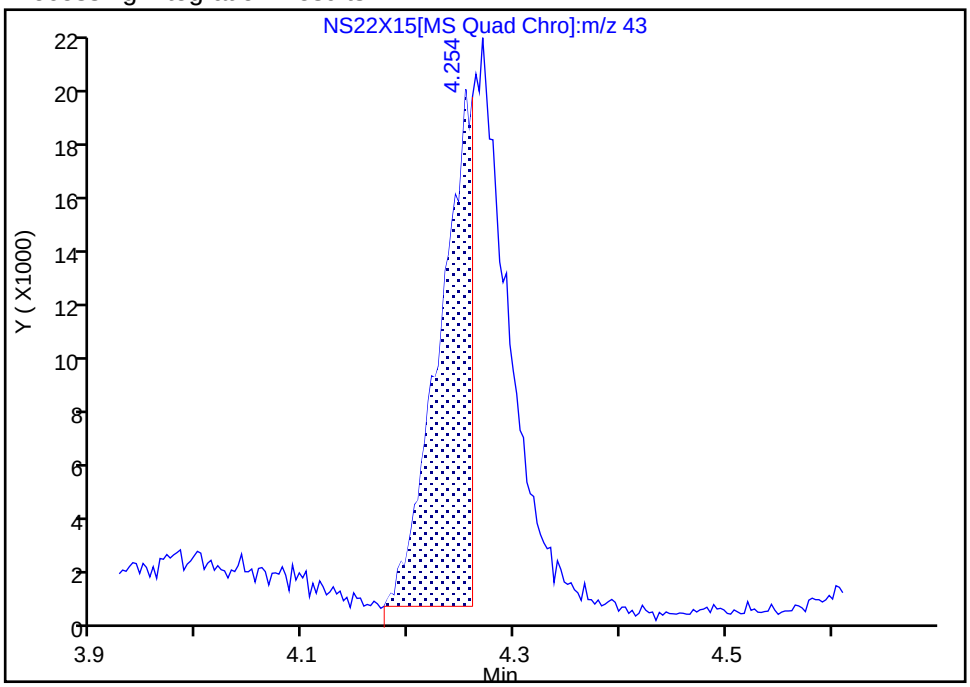
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D				
Injection Date:	22-Sep-2025 19:10:58	Instrument ID:	7159		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

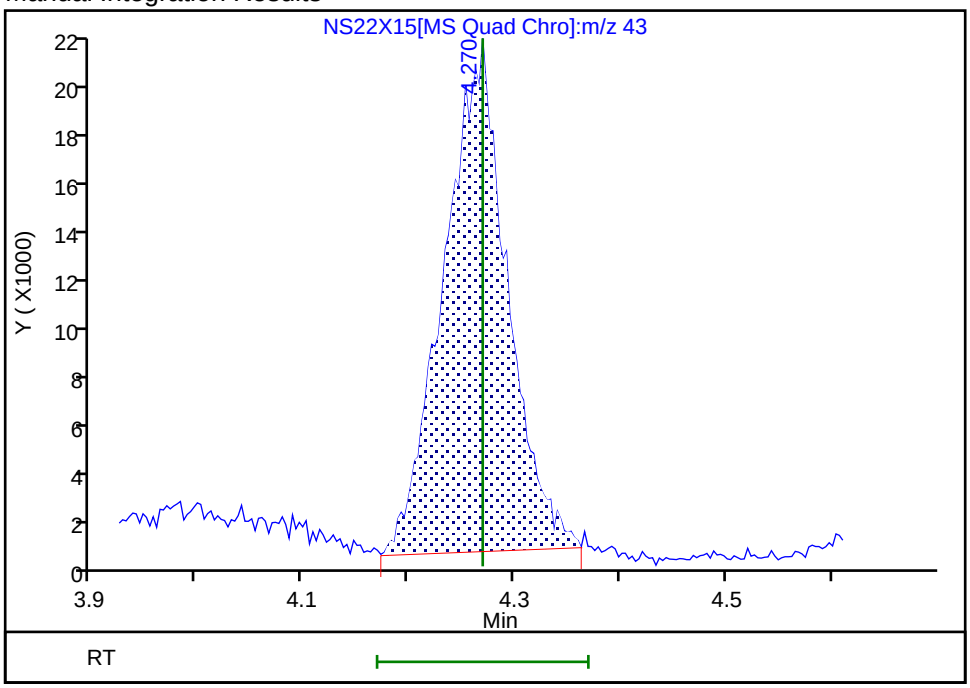
Processing Integration Results

RT: 4.25
Area: 40581
Amount: 11.296866
Amount Units: ug/l



Manual Integration Results

RT: 4.27
Area: 84466
Amount: 19.171608
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:30:09 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

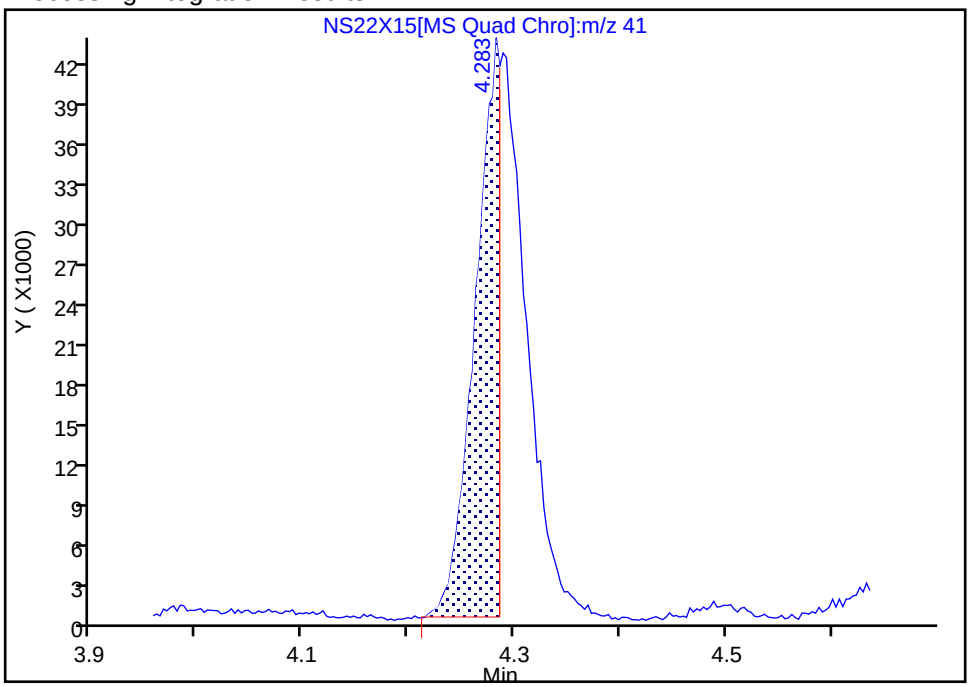
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D				
Injection Date:	22-Sep-2025 19:10:58	Instrument ID:	7159		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

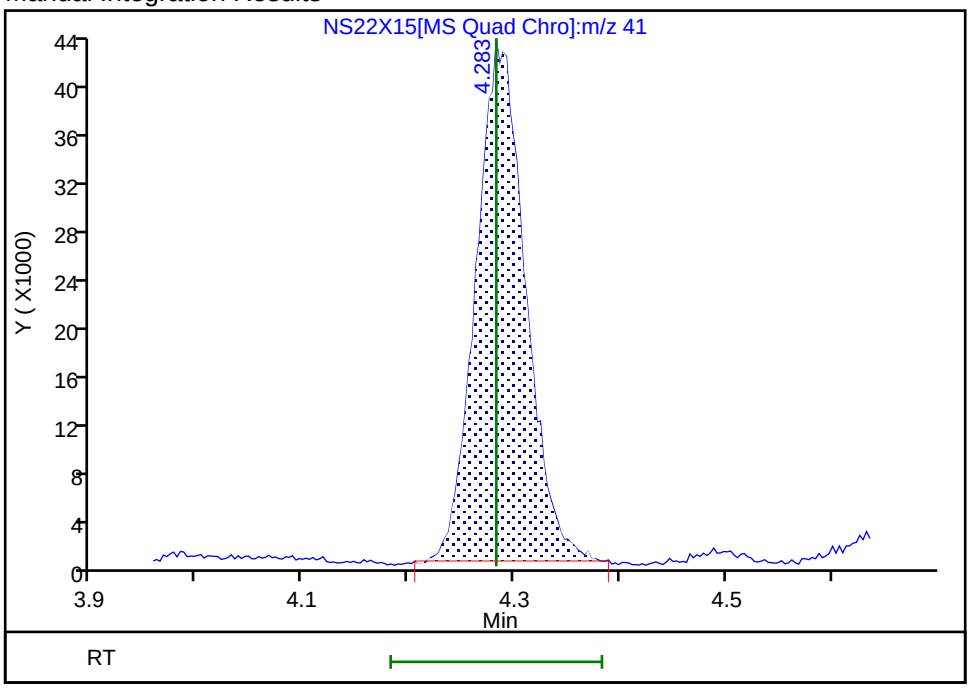
Processing Integration Results

RT: 4.28
Area: 70500
Amount: 16.810884
Amount Units: ug/l



Manual Integration Results

RT: 4.28
Area: 138858
Amount: 20.358540
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:30:15 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

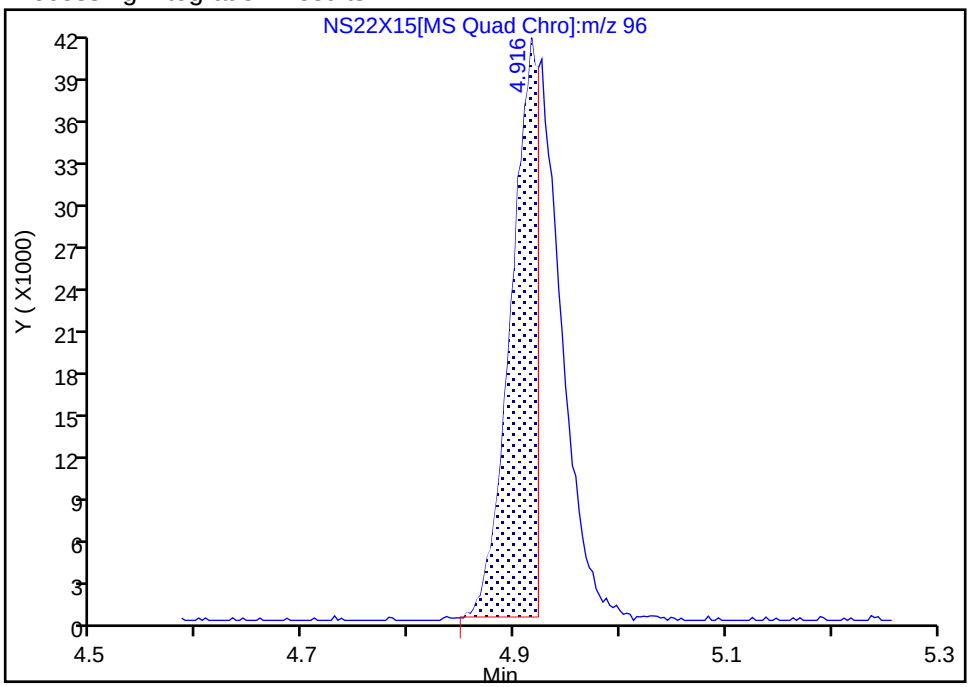
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D				
Injection Date:	22-Sep-2025 19:10:58	Instrument ID:	7159		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

31 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

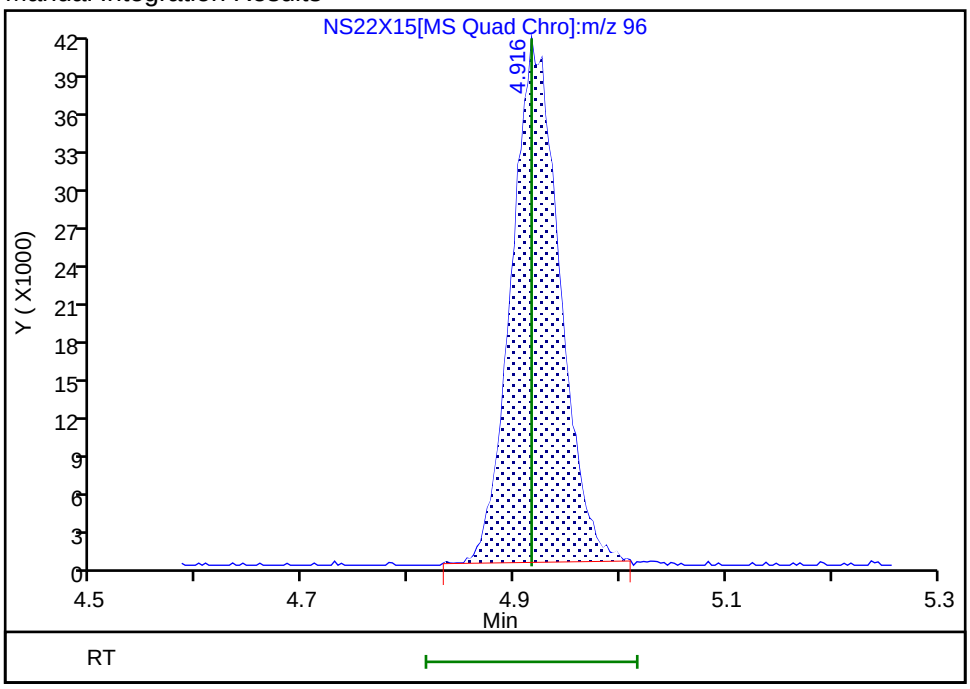
Processing Integration Results

RT: 4.92
Area: 73379
Amount: 15.623331
Amount Units: ug/l



Manual Integration Results

RT: 4.92
Area: 128949
Amount: 19.779323
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:30:23 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

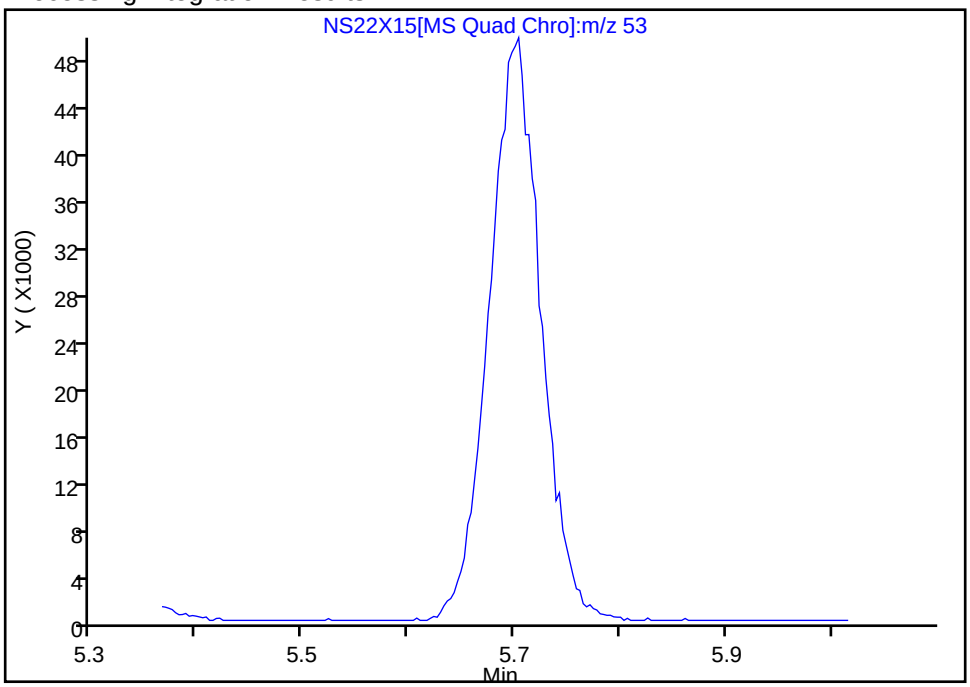
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D				
Injection Date:	22-Sep-2025 19:10:58	Instrument ID:	7159		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

37 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

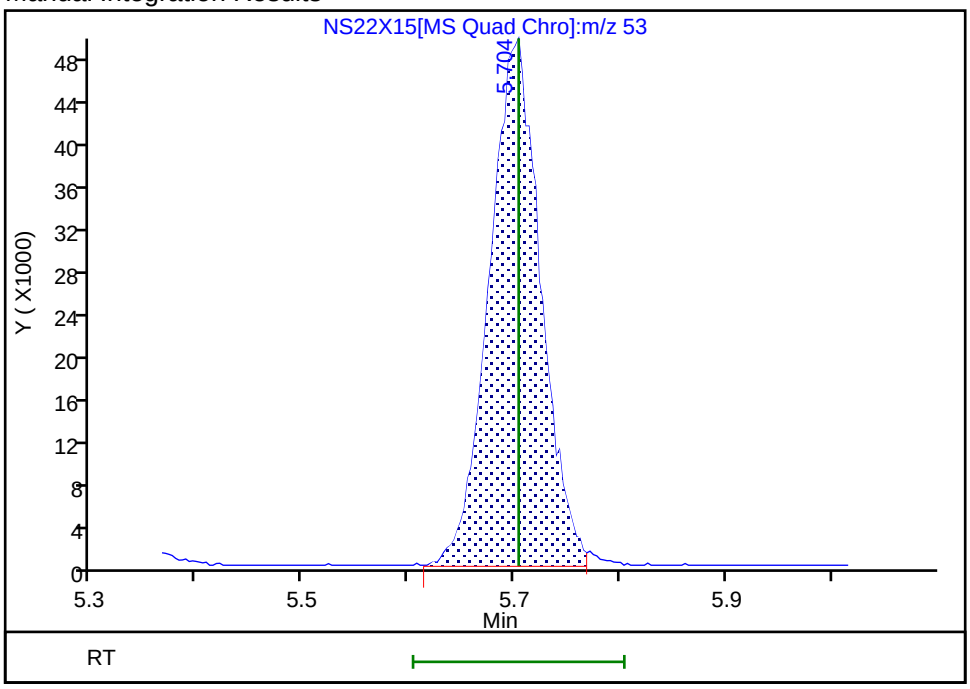
Not Detected
Expected RT: 5.70

Processing Integration Results



Manual Integration Results

RT: 5.70
Area: 167637
Amount: 20.335194
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:30:28 -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

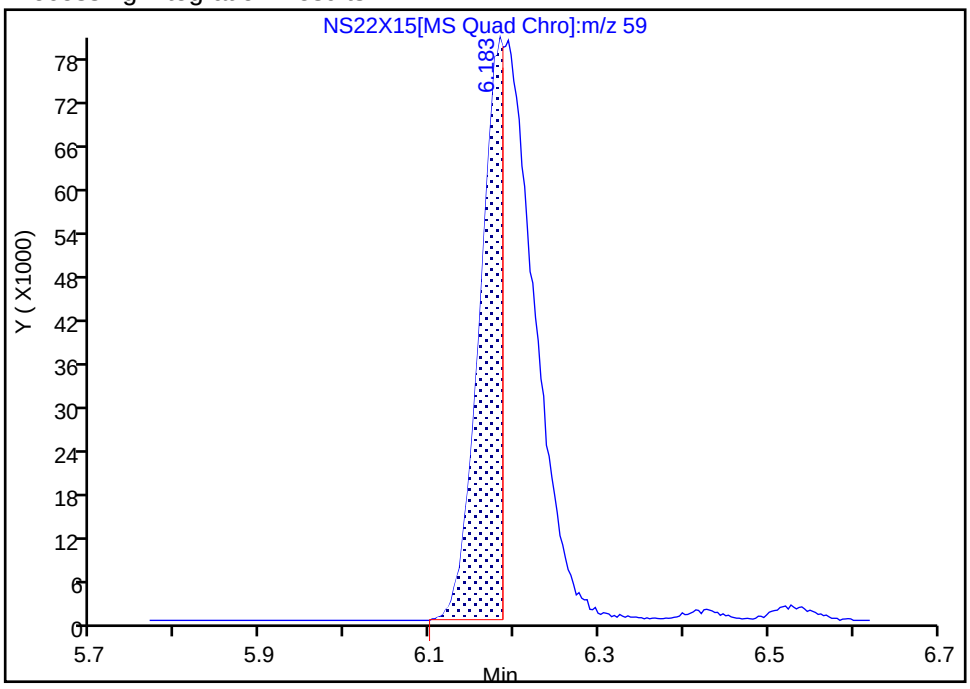
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D				
Injection Date:	22-Sep-2025 19:10:58	Instrument ID:	7159		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

39 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

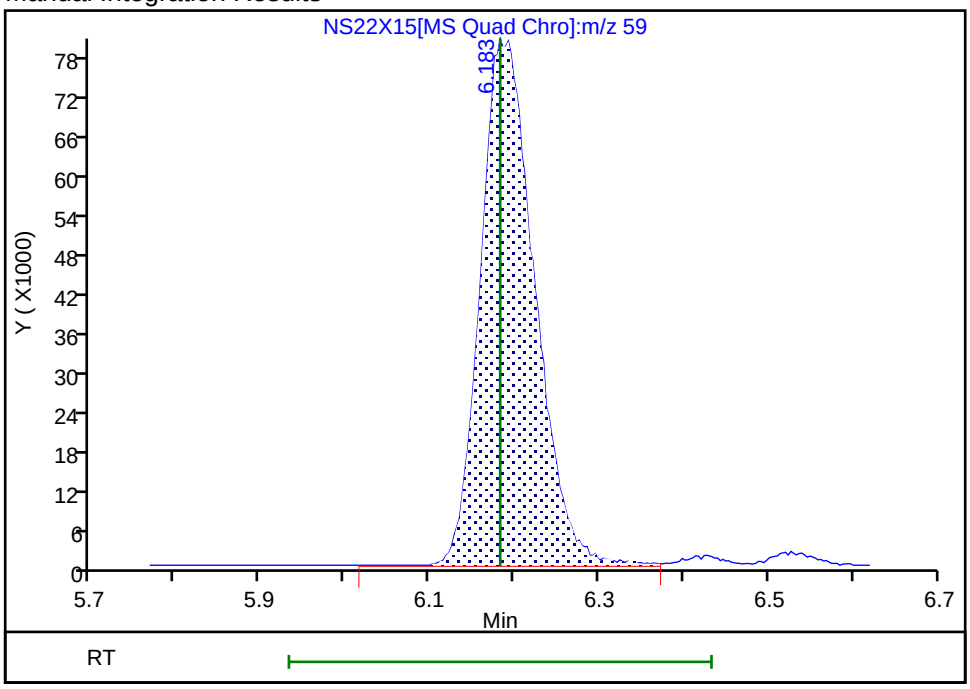
Processing Integration Results

RT: 6.18
Area: 153510
Amount: 13.762569
Amount Units: ug/l



Manual Integration Results

RT: 6.18
Area: 355435
Amount: 20.090836
Amount Units: ug/l



Reviewer: UKEK, 23-Sep-2025 09:06:11 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

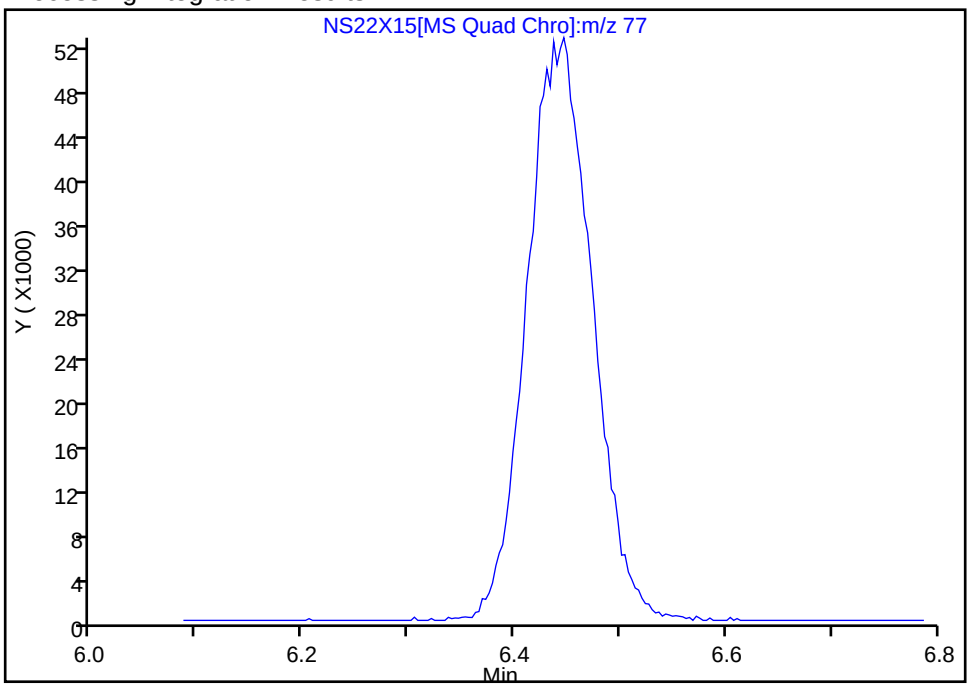
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D
Injection Date: 22-Sep-2025 19:10:58 Instrument ID: 7159
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

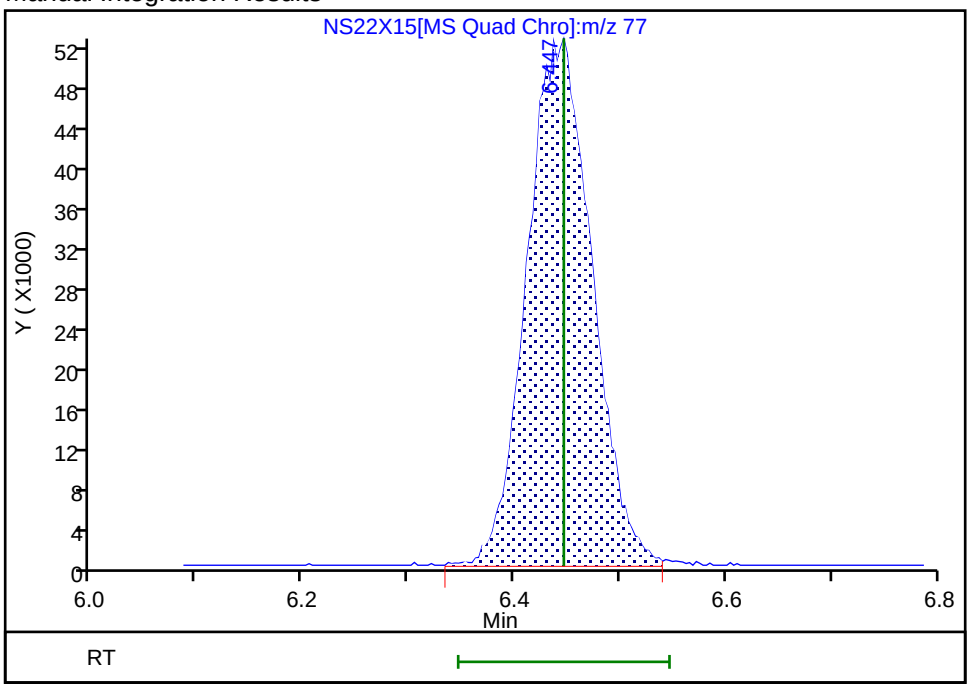
Not Detected
Expected RT: 6.45

Processing Integration Results



Manual Integration Results

RT: 6.45
Area: 223246
Amount: 20.192303
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:30:40 -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

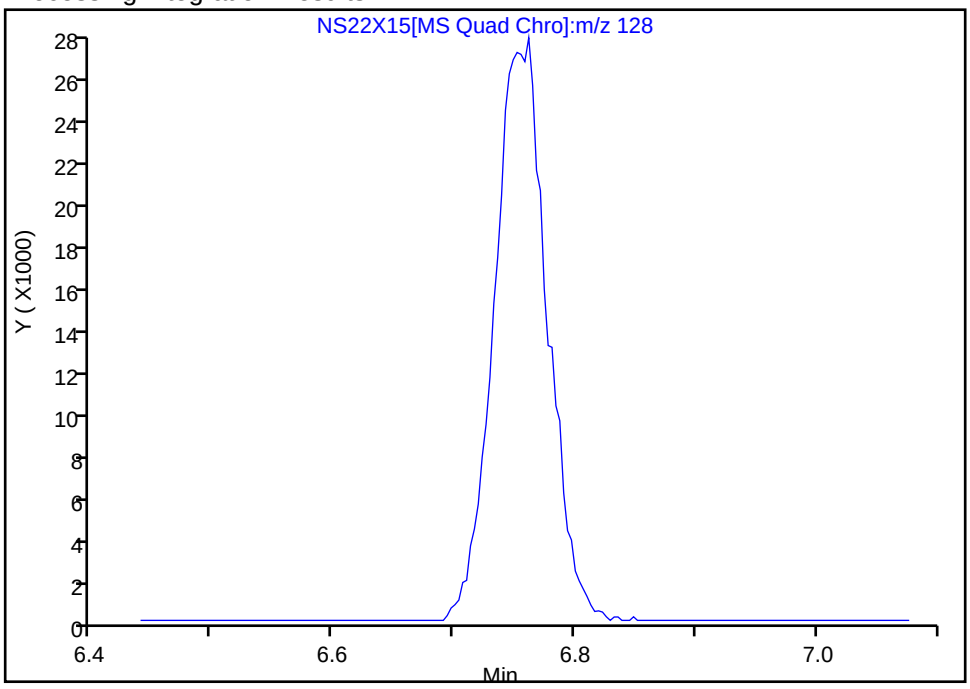
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D				
Injection Date:	22-Sep-2025 19:10:58	Instrument ID:	7159		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

47 Chlorobromomethane, CAS: 74-97-5

Signal: 1

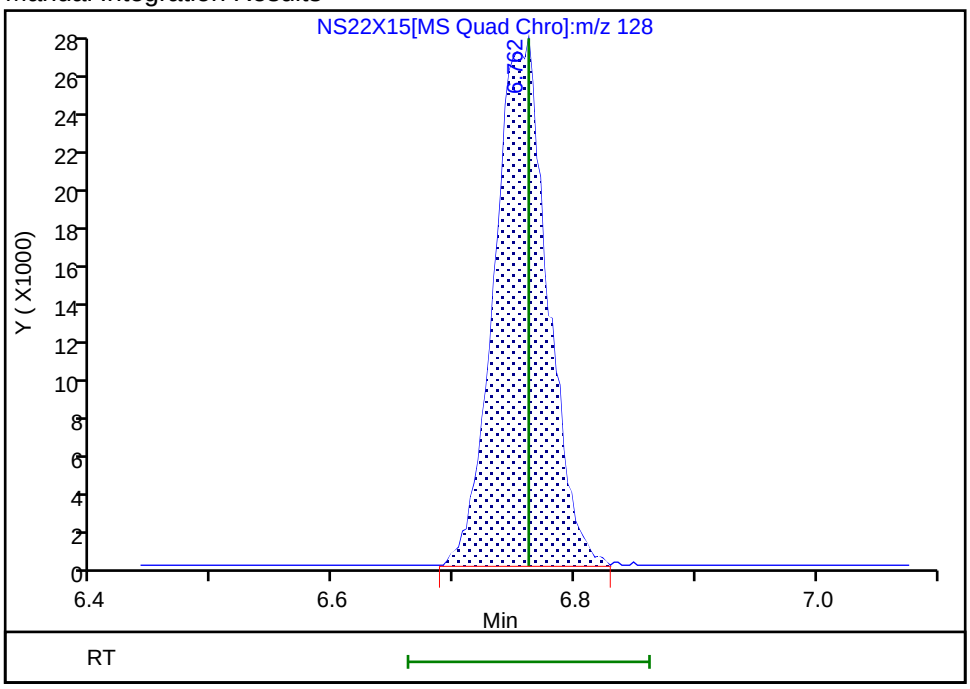
Not Detected
Expected RT: 6.76

Processing Integration Results



Manual Integration Results

RT: 6.76
Area: 83537
Amount: 20.468224
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:30:47 -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

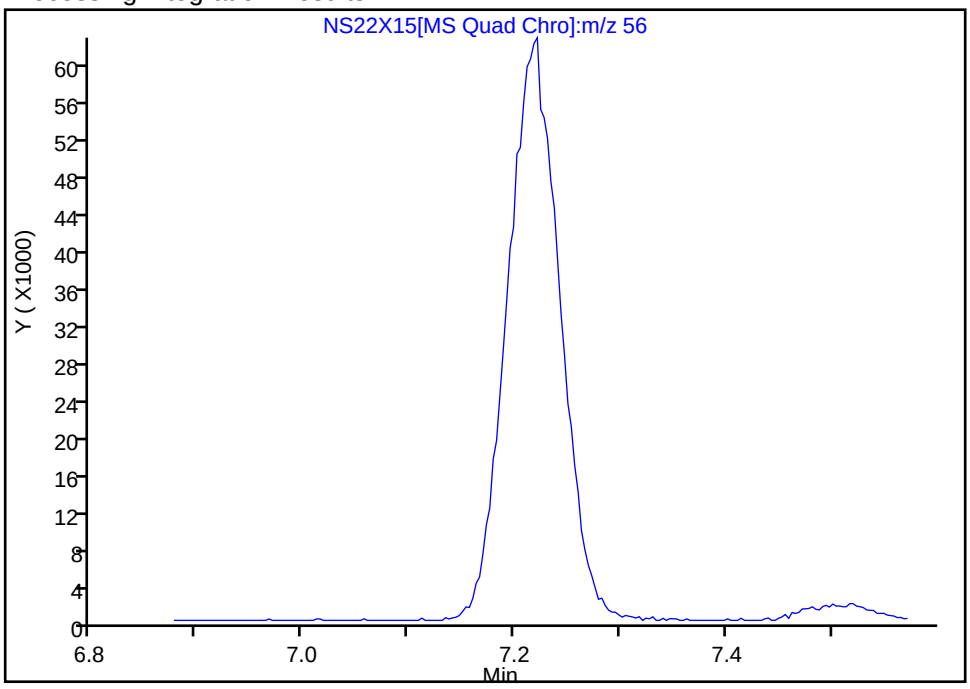
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D				
Injection Date:	22-Sep-2025 19:10:58	Instrument ID:	7159		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

52 Cyclohexane, CAS: 110-82-7

Signal: 1

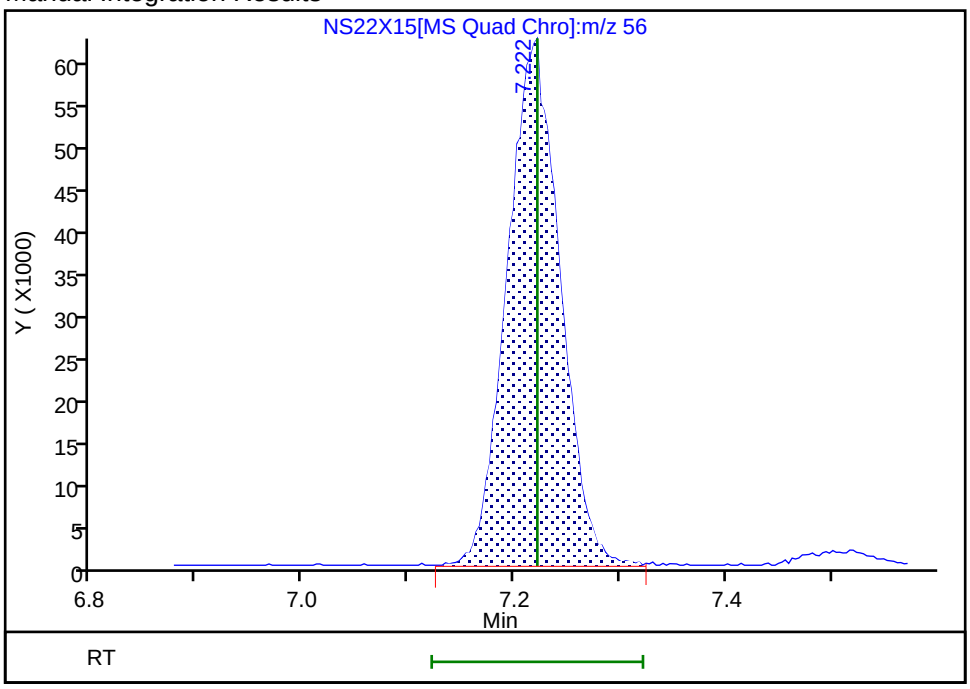
Not Detected
Expected RT: 7.22

Processing Integration Results



Manual Integration Results

RT: 7.22
Area: 216927
Amount: 20.324202
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:30:54 -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

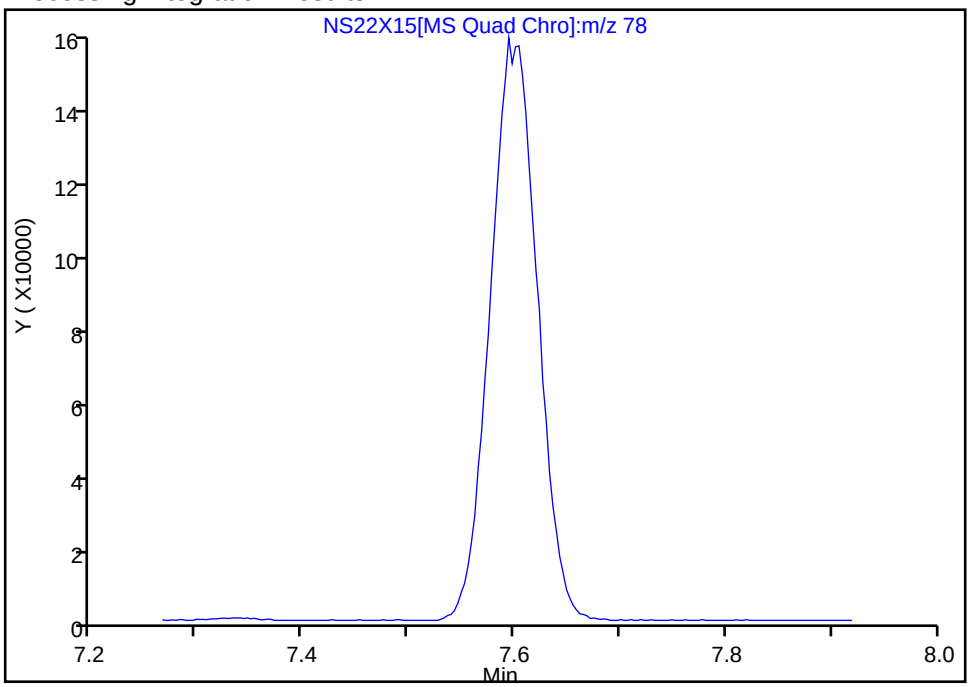
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D				
Injection Date:	22-Sep-2025 19:10:58	Instrument ID:	7159		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

57 Benzene, CAS: 71-43-2

Signal: 1

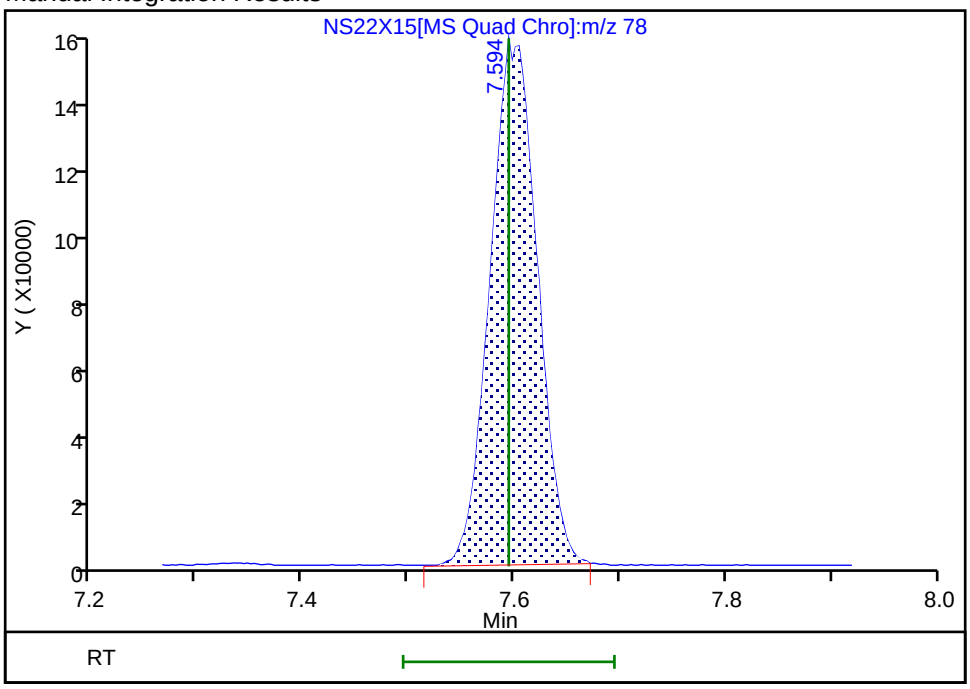
Not Detected
Expected RT: 7.59

Processing Integration Results



Manual Integration Results

RT: 7.59
Area: 489558
Amount: 20.329471
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:24:54 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

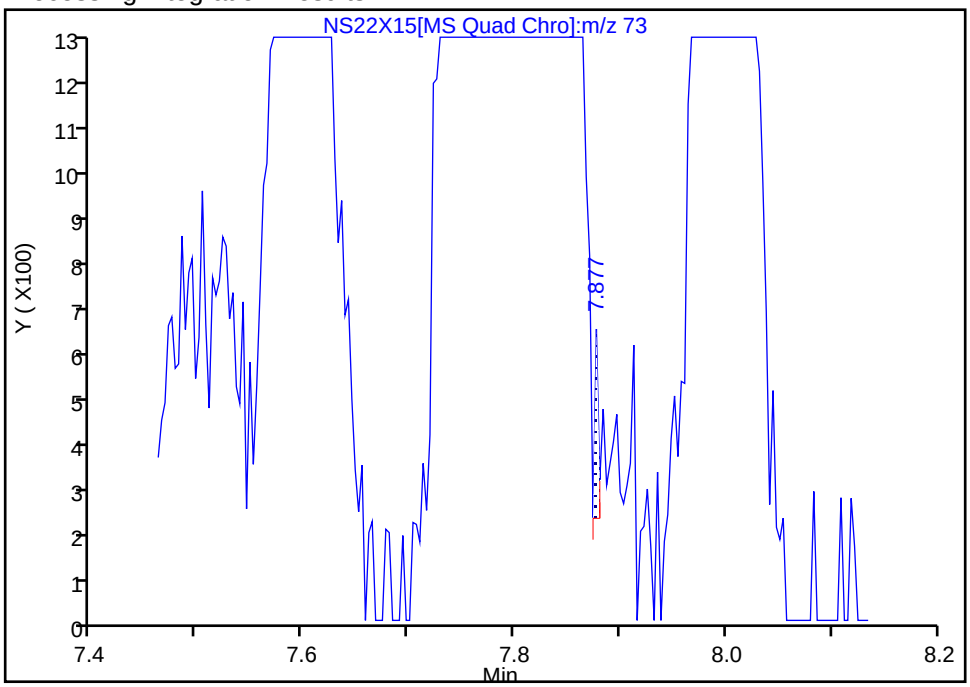
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D
Injection Date: 22-Sep-2025 19:10:58 Instrument ID: 7159
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

60 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

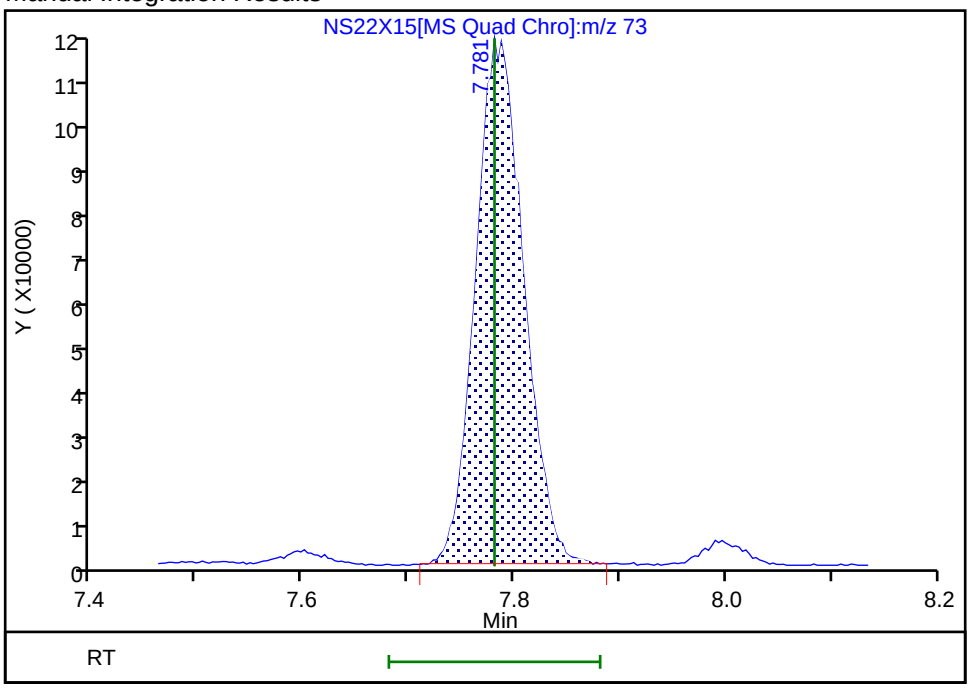
Processing Integration Results

RT: 7.88
Area: 90
Amount: 0.009874
Amount Units: ug/l



Manual Integration Results

RT: 7.78
Area: 351394
Amount: 19.646810
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:31:13 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

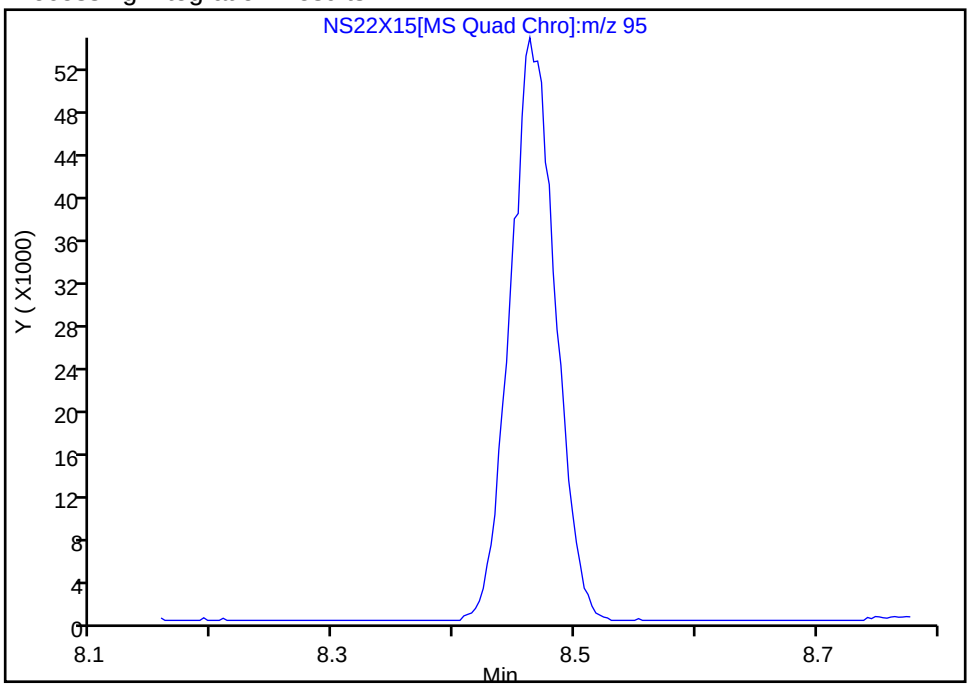
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D
Injection Date: 22-Sep-2025 19:10:58 Instrument ID: 7159
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

65 Trichloroethene, CAS: 79-01-6

Signal: 1

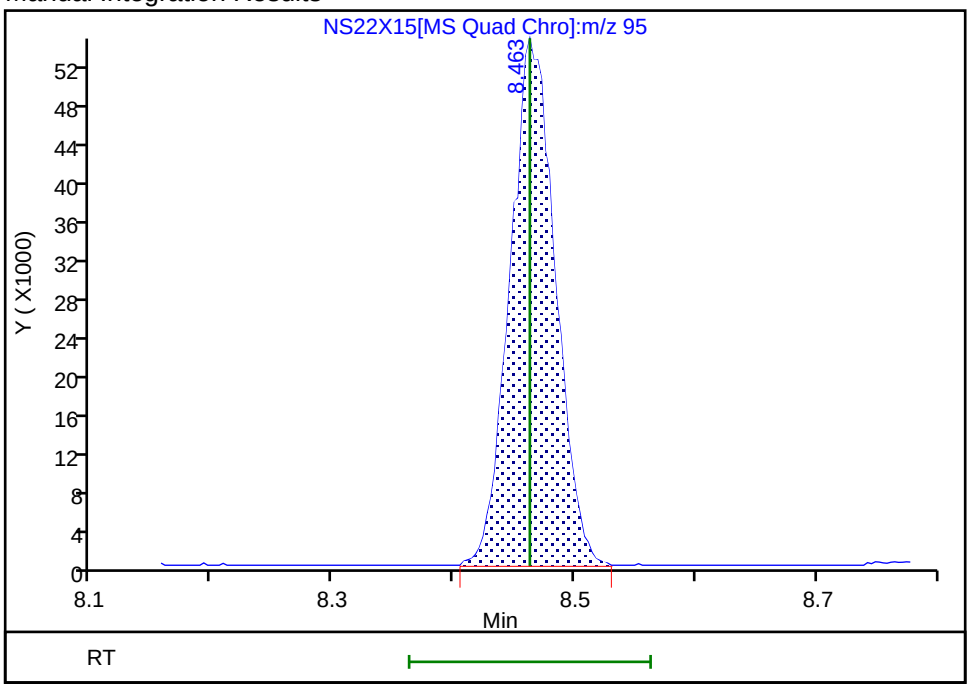
Not Detected
Expected RT: 8.46

Processing Integration Results



Manual Integration Results

RT: 8.46
Area: 140798
Amount: 19.784381
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:31:19 -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

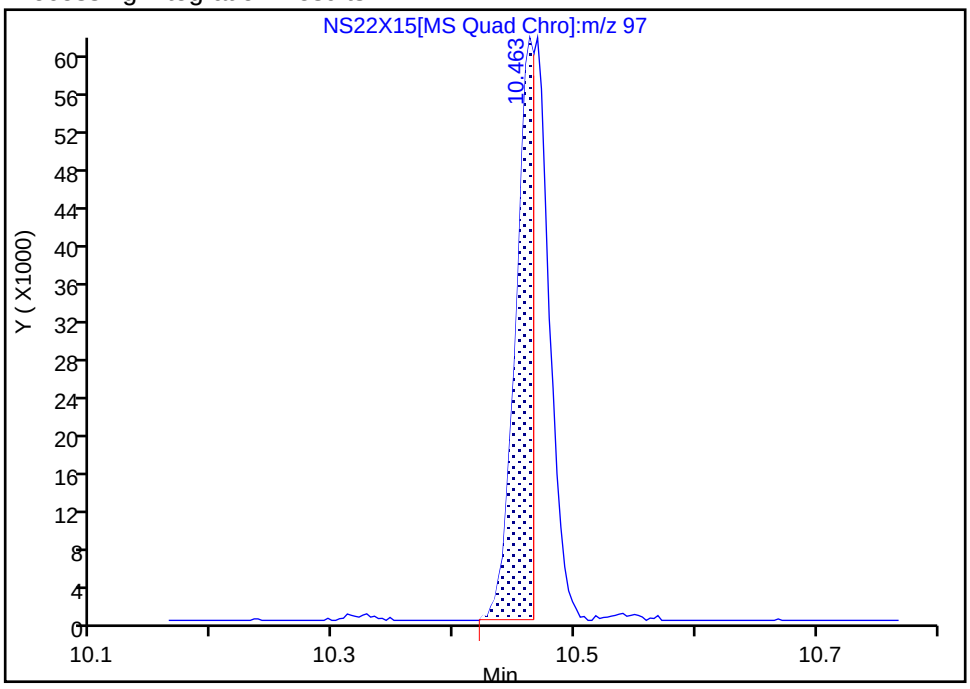
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X15.D				
Injection Date:	22-Sep-2025 19:10:58	Instrument ID:	7159		
Lims ID:	IC v20				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

122 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

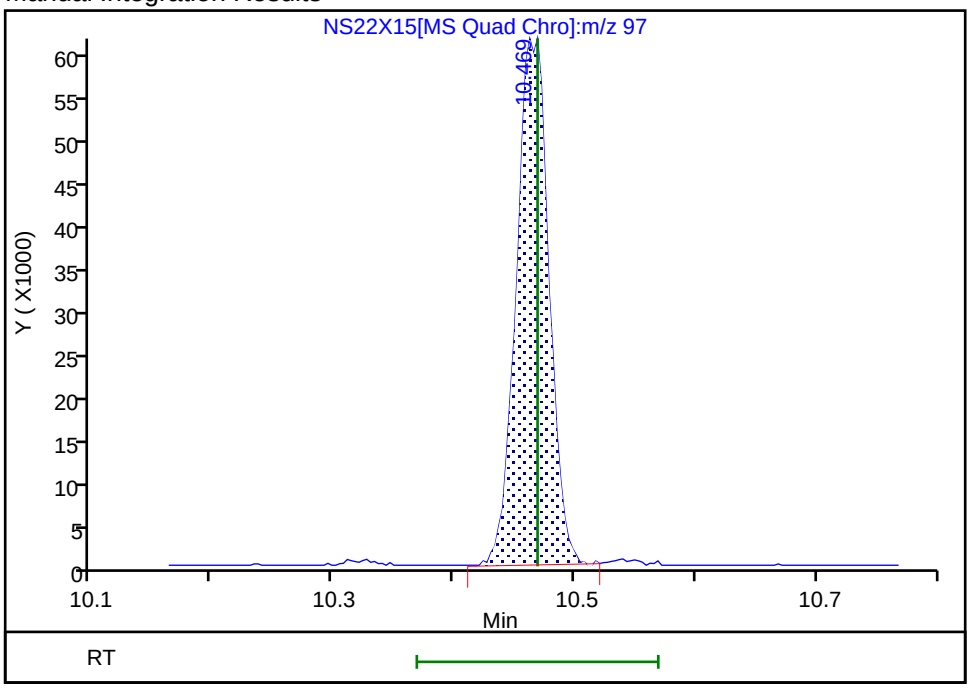
Processing Integration Results

RT: 10.46
Area: 65724
Amount: 12.754789
Amount Units: ug/l



Manual Integration Results

RT: 10.47
Area: 114561
Amount: 19.919022
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:31:29 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X16.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 22-Sep-2025 19:30:37 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0160533-016
Misc. Info.: ICIS V50
Operator ID: kas02648 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub47

Method: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 23-Sep-2025 09:36:24 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: UKEK Date: 23-Sep-2025 09:25:22

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.984					ND	
3	Chlorodifluoromethane	51		2.041					ND	U
2	Dichlorodifluoromethane	85	2.025	2.025	0.000	99	1040500	50.0	58.6	
4	Chloromethane	50	2.231	2.231	0.000	99	659018	50.0	51.8	
5	Butadiene	39	2.350	2.350	0.000	95	450791	50.0	54.8	
6	Vinyl chloride	62	2.363	2.363	0.000	98	707764	50.0	55.0	
7	2-Chloro-1,1,1-Trifluoroethane	118		2.443					ND	U
8	Bromomethane	94	2.704	2.704	0.000	92	522605	50.0	52.3	
9	Chloroethane	64	2.810	2.810	0.000	100	309644	50.0	52.4	
10	Dichlorofluoromethane	67	3.074	3.074	0.000	97	888172	50.0	52.7	
11	Trichlorofluoromethane	101	3.141	3.141	0.000	97	978301	50.0	56.9	
12	Pentane	43	3.176	3.176	0.000	97	396742	50.0	49.8	
13	Ethanol	45	3.328	3.328	0.000	25	118824	1249.9	1380.6	M
15	1,2-Dichloro-1,1,2-trifluoroetha	67	3.511	3.511	0.000	84	421494	50.0	54.8	
16	Acrolein	56	3.607	3.607	0.000	99	694031	487.9	488.5	
17	1,1-Dichloroethene	96	3.752	3.752	0.000	95	289711	50.0	49.0	
19	Acetone	58	3.794	3.794	0.000	83	71661	100.0	99.8	
18	1,1,2-Trichloro-1,2,2-trifluoroe	101	3.791	3.791	0.000	87	440791	50.0	51.5	
20	Iodomethane	142	3.964	3.964	0.000	99	692197	50.0	49.0	
21	Isopropyl alcohol	45	3.984	3.984	0.000	99	207222	250.0	229.9	
22	Carbon disulfide	76	4.070	4.070	0.000	100	962745	50.0	48.7	
24	Methyl acetate	43	4.254	4.254	0.000	97	207819	50.0	46.6	
25	3-Chloro-1-propene	41	4.283	4.283	0.000	87	329383	50.0	47.7	
26	Methylene Chloride	84	4.485	4.485	0.000	83	316496	50.0	48.9	
* 27	t-Butyl alcohol-d10 (IS)	65	4.533	4.533	0.000	89	311876	250.0	250.0	
28	2-Methyl-2-propanol	59	4.665	4.665	0.000	99	342964	250.0	260.3	
29	Acrylonitrile	53	4.861	4.861	0.000	97	303545	125.0	121.7	
31	trans-1,2-Dichloroethene	96	4.913	4.913	0.000	94	320041	50.0	48.5	
32	Methyl tert-butyl ether	73	4.910	4.910	0.000	93	1012587	50.0	50.1	
33	Hexane	57	5.347	5.347	0.000	90	392724	50.0	52.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	5.591	5.591	0.000	96	492156	50.0	49.4	
36 Isopropyl ether	45	5.652	5.652	0.000	91	802919	50.0	49.9	
37 2-Chloro-1,3-butadiene	53	5.697	5.697	0.000	91	423127	50.0	50.7	
39 Tert-butyl ethyl ether	59	6.186	6.186	0.000	99	898516	50.0	50.2	
40 2-Butanone (MEK)	43	6.401	6.401	0.000	100	326481	100.0	102.0	a
41 cis-1,2-Dichloroethene	96	6.424	6.424	0.000	79	368767	50.0	48.7	
43 2,2-Dichloropropane	77	6.443	6.443	0.000	85	554033	50.0	49.5	a
44 Propionitrile	54	6.508	6.508	0.000	95	277340	250.0	243.7	
45 Methyl acrylate	55	6.524	6.524	0.000	100	335800	50.0	50.5	
46 Methacrylonitrile	67	6.713	6.713	0.000	79	339173	125.0	124.8	Ma
47 Chlorobromomethane	128	6.752	6.752	0.000	84	207361	50.0	50.2	
48 Tetrahydrofuran	71	6.768	6.768	0.000	84	256335	250.0	242.7	
49 Chloroform	83	6.906	6.906	0.000	93	589099	50.0	47.6	
$ 50 Dibromofluoromethane (Surr)	113	7.115	7.115	0.000	94	305199	50.0	50.1	
51 1,1,1-Trichloroethane	97	7.128	7.128	0.000	97	633446	50.0	50.0	
52 Cyclohexane	56	7.215	7.215	0.000	91	562387	50.0	52.0	
53 Carbon tetrachloride	117	7.334	7.334	0.000	97	596055	50.0	50.2	
54 1,1-Dichloropropene	75	7.334	7.334	0.000	94	413901	50.0	50.5	
55 Isobutyl alcohol	41	7.495	7.495	0.000	92	218982	625.0	602.0	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.575	7.575	0.000	96	69522	50.0	50.6	
57 Benzene	78	7.594	7.594	0.000	96	1212934	50.0	49.7	
59 1,2-Dichloroethane	62	7.675	7.675	0.000	98	387969	50.0	48.9	
60 Tert-amyl methyl ether	73	7.787	7.787	0.000	98	904318	50.0	49.9	a
* 62 Fluorobenzene (IS)	96	7.996	7.996	0.000	98	1071830	50.0	50.0	
63 n-Heptane	43	8.000	8.000	0.000	59	325712	50.0	52.0	
64 n-Butanol	56	8.356	8.356	0.000	87	181080	625.0	651.4	
65 Trichloroethene	95	8.463	8.463	0.000	95	357208	50.0	49.6	
66 Ethyl acrylate	55	8.585	8.585	0.000	99	393994	50.0	51.4	
67 Methylcyclohexane	83	8.768	8.768	0.000	94	686176	50.0	53.0	
68 2-ethoxy-2-methyl butane	87	8.803	8.803	0.000	94	491260	50.0	50.2	
69 1,2-Dichloropropane	63	8.803	8.803	0.000	81	287285	50.0	50.0	
70 Methyl methacrylate	69	8.881	8.881	0.000	88	226357	50.0	50.5	
71 1,4-Dioxane	88	8.900	8.900	0.000	48	66991	625.0	697.0	
72 Dibromomethane	93	8.909	8.909	0.000	90	215332	50.0	50.5	
74 Dichlorobromomethane	83	9.138	9.138	0.000	99	426633	50.0	50.1	
75 2-Nitropropane	41	9.411	9.411	0.000	99	447848	250.0	246.7	
76 2-Chloroethyl vinyl ether	63	9.485	9.485	0.000	92	182034	50.0	49.7	
77 cis-1,3-Dichloropropene	75	9.659	9.659	0.000	96	469594	50.0	51.7	
78 4-Methyl-2-pentanone (MIBK)	43	9.826	9.826	0.000	95	732473	100.0	101.8	
$ 79 Toluene-d8 (Surr)	98	9.951	9.951	0.000	93	1075927	50.0	49.5	
118 Toluene	92	10.025	10.025	0.000	98	831776	50.0	49.5	
120 trans-1,3-Dichloropropene	75	10.266	10.266	0.000	91	426057	50.0	50.2	
121 Ethyl methacrylate	69	10.324	10.324	0.000	87	414075	50.0	51.8	
122 1,1,2-Trichloroethane	97	10.466	10.466	0.000	89	293401	50.0	49.5	
123 Tetrachloroethene	166	10.543	10.543	0.000	97	477813	50.0	50.6	
124 1,3-Dichloropropane	76	10.623	10.623	0.000	88	442776	50.0	49.9	
126 2-Hexanone	43	10.671	10.671	0.000	95	496573	100.0	99.7	
128 Chlorodibromomethane	129	10.826	10.826	0.000	89	391154	50.0	50.7	
129 Ethylene Dibromide	107	10.938	10.938	0.000	99	320683	50.0	50.3	
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.353	0.000	83	885200	50.0	50.0	
132 1-Chlorohexane	91	11.356	11.356	0.000	91	479957	50.0	50.3	
133 Chlorobenzene	112	11.379	11.379	0.000	98	1003216	50.0	50.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
134 1,1,1,2-Tetrachloroethane	131	11.456	11.456	0.000	95	439890	50.0	50.0	
135 Ethylbenzene	91	11.459	11.459	0.000	98	1691239	50.0	50.7	
136 m-Xylene & p-Xylene	106	11.572	11.572	0.000	100	1370209	100.0	103.5	
137 n-Butyl acrylate	55	11.835	11.835	0.000	97	580301	50.0	52.1	
138 o-Xylene	106	11.890	11.890	0.000	95	716149	50.0	51.9	
139 Styrene	104	11.906	11.906	0.000	94	1091570	50.0	52.0	
140 Bromoform	173	12.061	12.061	0.000	98	306872	50.0	53.4	
141 Isopropylbenzene	105	12.186	12.186	0.000	95	2017800	50.0	52.9	
143 Cyclohexanone	55	12.270	12.270	0.000	90	225039	625.0	681.5	
$ 144 4-Bromofluorobenzene (Surr)	95	12.324	12.324	0.000	97	411139	50.0	50.1	
145 1,1,2,2-Tetrachloroethane	83	12.424	12.424	0.000	95	473691	50.0	52.0	
146 Bromobenzene	156	12.443	12.443	0.000	91	492950	50.0	51.6	
147 trans-1,4-Dichloro-2-butene	53	12.450	12.450	0.000	88	295638	125.0	129.7	
148 1,2,3-Trichloropropane	110	12.472	12.472	0.000	83	160277	50.0	51.5	
149 N-Propylbenzene	91	12.504	12.504	0.000	98	2144365	50.0	53.5	
150 2-Chlorotoluene	126	12.581	12.581	0.000	98	475418	50.0	52.1	
151 1,3,5-Trimethylbenzene	105	12.636	12.636	0.000	94	1706107	50.0	54.0	
152 4-Chlorotoluene	126	12.675	12.675	0.000	96	454529	50.0	51.9	
154 tert-Butylbenzene	134	12.877	12.877	0.000	91	372876	50.0	53.2	
155 1,2,4-Trimethylbenzene	105	12.919	12.919	0.000	97	1732172	50.0	53.7	
157 sec-Butylbenzene	105	13.038	13.038	0.000	94	2210953	50.0	55.3	
158 1,3-Dichlorobenzene	146	13.138	13.138	0.000	98	927117	50.0	51.8	
159 4-Isopropyltoluene	119	13.141	13.141	0.000	97	1964996	50.0	54.6	
* 160 1,4-Dichlorobenzene-d4	152	13.189	13.189	0.000	93	518690	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.208	13.208	0.000	96	901615	50.0	50.5	
162 1,2,3-Trimethylbenzene	105	13.218	13.218	0.000	98	1739541	50.0	53.1	
163 Benzyl chloride	91	13.286	13.286	0.000	98	845054	50.0	52.1	
164 1,3-Diethylbenzene	119	13.340	13.340	0.000	95	1046619	50.0	52.9	
165 p-Diethylbenzene	119	13.411	13.411	0.000	96	1118278	50.0	54.0	
166 n-Butylbenzene	92	13.430	13.430	0.000	97	824200	50.0	53.4	
167 1,2-Dichlorobenzene	146	13.466	13.466	0.000	99	922001	50.0	51.7	
168 o-diethylbenzene	119	13.482	13.482	0.000	94	938632	50.0	52.9	
170 1,2-Dibromo-3-Chloropropane	75	14.003	14.003	0.000	93	122141	50.0	49.8	
171 1,3,5-Trichlorobenzene	180	14.122	14.122	0.000	98	765213	50.0	52.0	
172 1,2,4-Trichlorobenzene	180	14.543	14.543	0.000	94	712769	50.0	52.1	
173 2-Ethylhexyl acrylate	55	14.597	14.597	0.000	81	578352	50.0	53.9	
174 Hexachlorobutadiene	225	14.623	14.623	0.000	95	306576	50.0	54.0	
175 Naphthalene	128	14.729	14.729	0.000	96	2159980	50.0	53.1	
176 1,2,3-Trichlorobenzene	180	14.871	14.871	0.000	96	718299	50.0	51.2	
177 2-Methylnaphthalene	142	15.517	15.517	0.000	95	1297448	50.0	54.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00254	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_01121	Amount Added:	2.50	Units: uL	
MSV_CCV_VOC#3_00256	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00247	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00012	Amount Added:	10.00	Units: uL	
MSV_CCV_ETOH_00011	Amount Added:	10.00	Units: uL	
MSV_CCV_OH_Sp_00026	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00044	Amount Added:	5.00	Units: uL	Run Reagent
MSV_V_SMFreon_00052	Amount Added:	0.00	Units:	Run Reagent

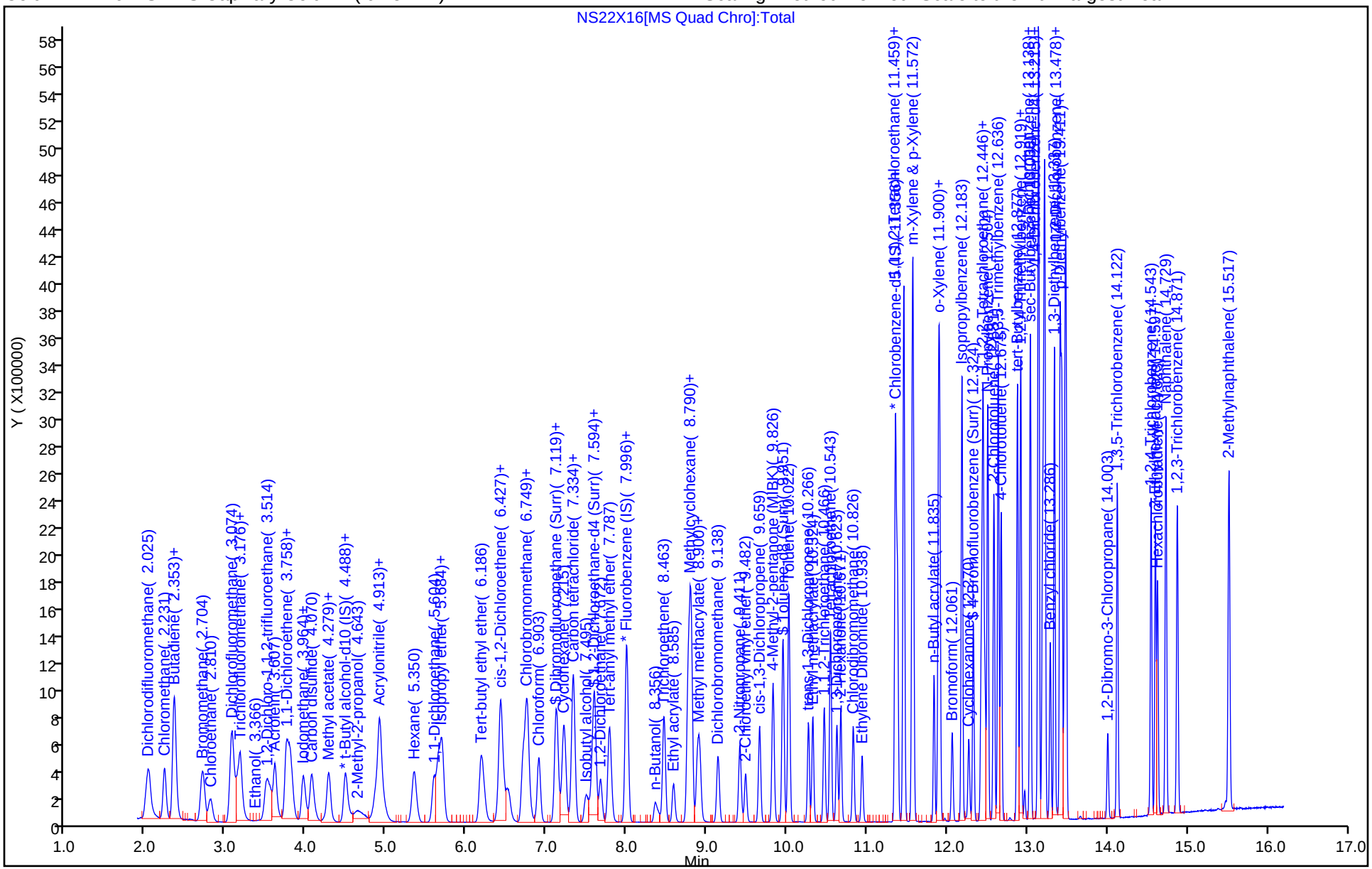
Report Date: 23-Sep-2025 09:36:25 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X16.D

Injection Date:	22-Sep-2025 19:30:37	Instrument ID:	7159	Operator ID:	kas02648
Lims ID:	ICIS v50			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

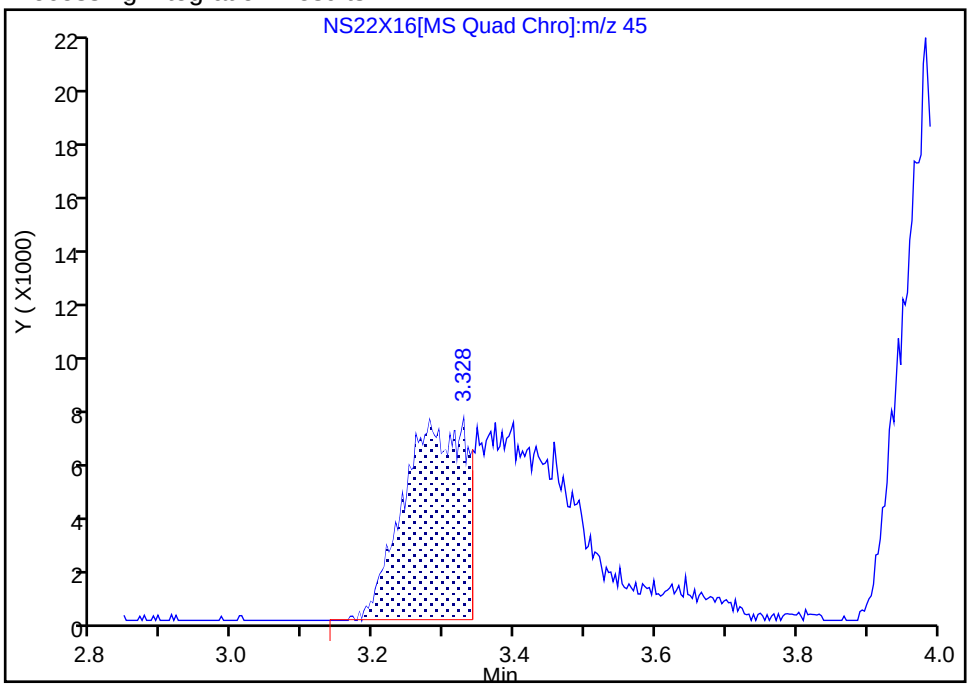
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X16.D				
Injection Date:	22-Sep-2025 19:30:37	Instrument ID:	7159		
Lims ID:	ICIS v50				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

13 Ethanol, CAS: 64-17-5

Signal: 1

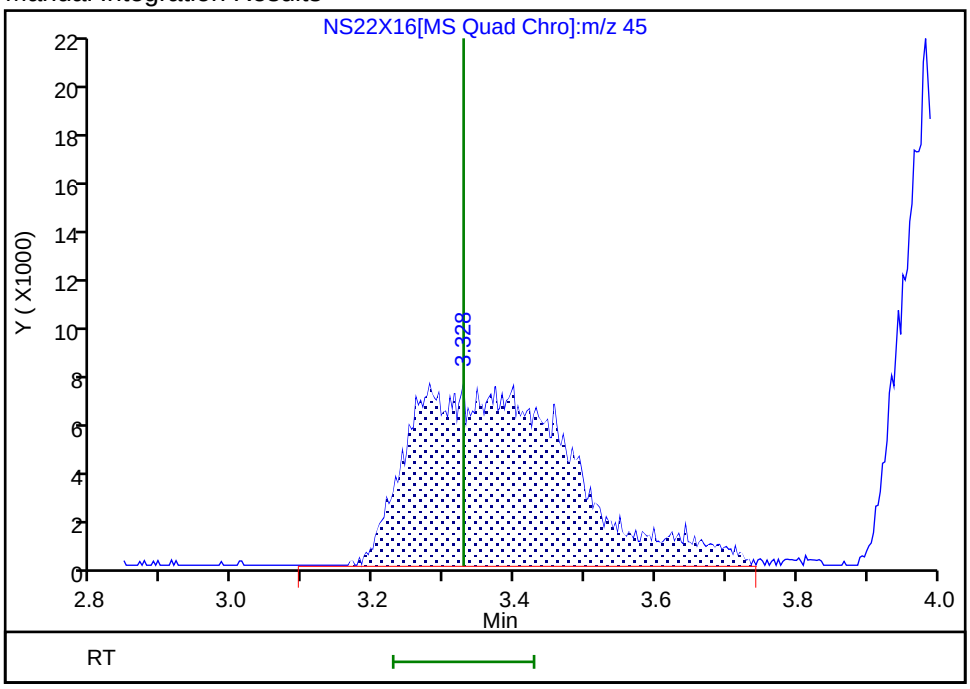
Processing Integration Results

RT: 3.33
Area: 45727
Amount: 800.0345
Amount Units: ug/l



Manual Integration Results

RT: 3.33
Area: 118824
Amount: 1380.6315
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:28:29 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

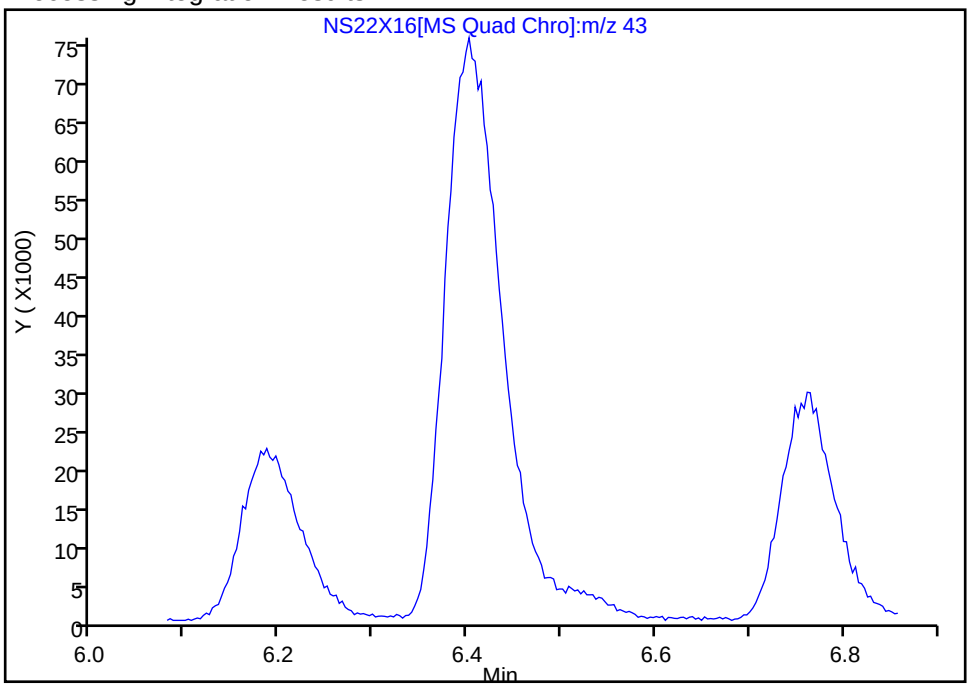
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X16.D				
Injection Date:	22-Sep-2025 19:30:37	Instrument ID:	7159		
Lims ID:	ICIS v50				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

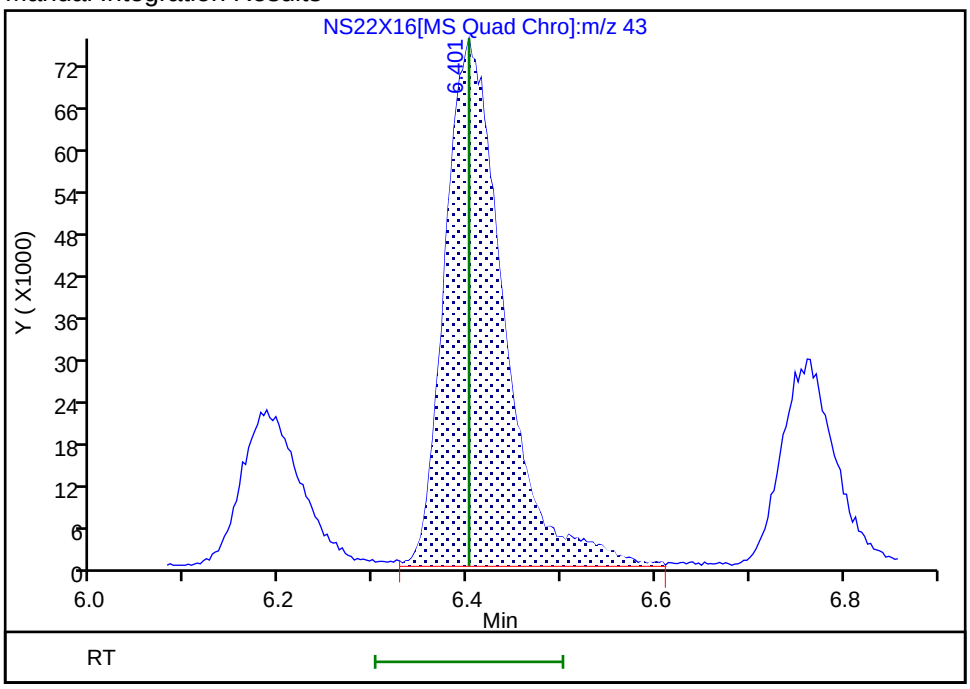
Not Detected
Expected RT: 6.40

Processing Integration Results



Manual Integration Results

RT: 6.40
Area: 326481
Amount: 102.0418
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:28:38 -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

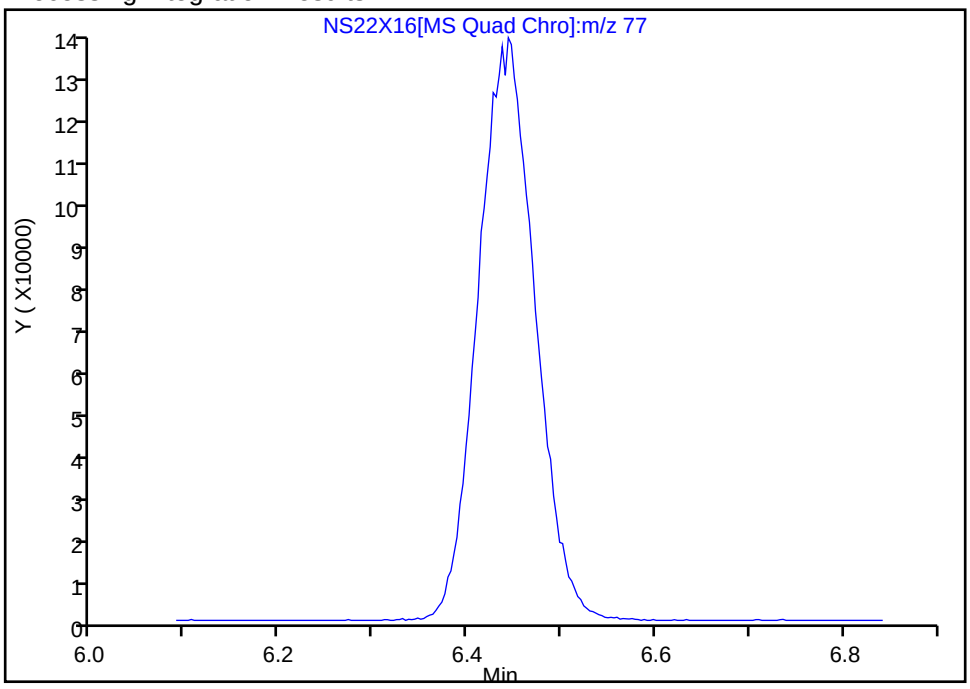
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X16.D
Injection Date: 22-Sep-2025 19:30:37 Instrument ID: 7159
Lims ID: ICIS v50
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

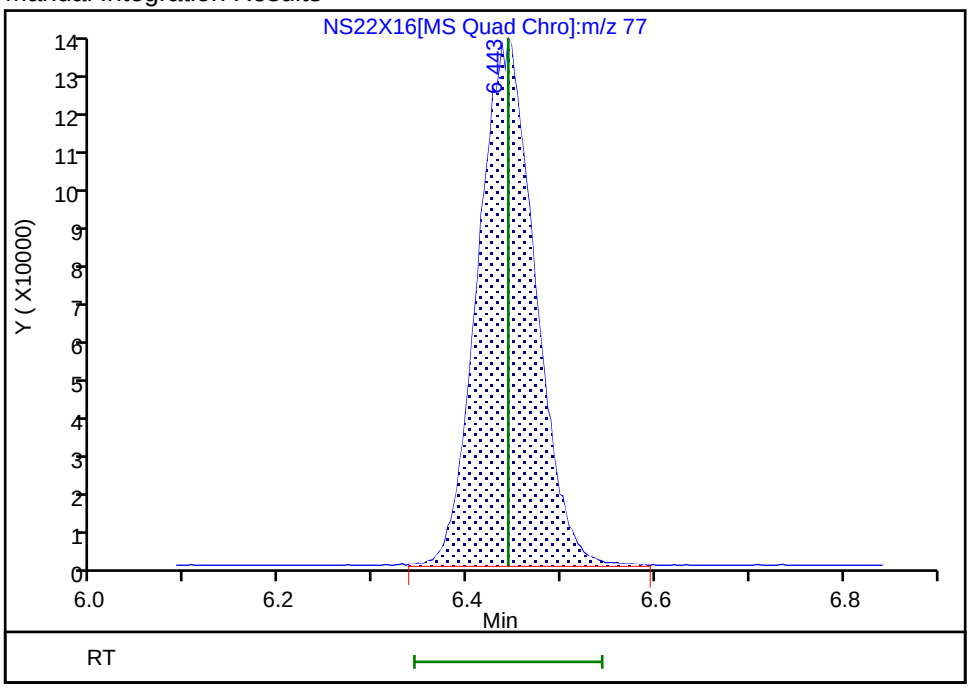
Not Detected
Expected RT: 6.44

Processing Integration Results



Manual Integration Results

RT: 6.44
Area: 554033
Amount: 49.492580
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:28:42 -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

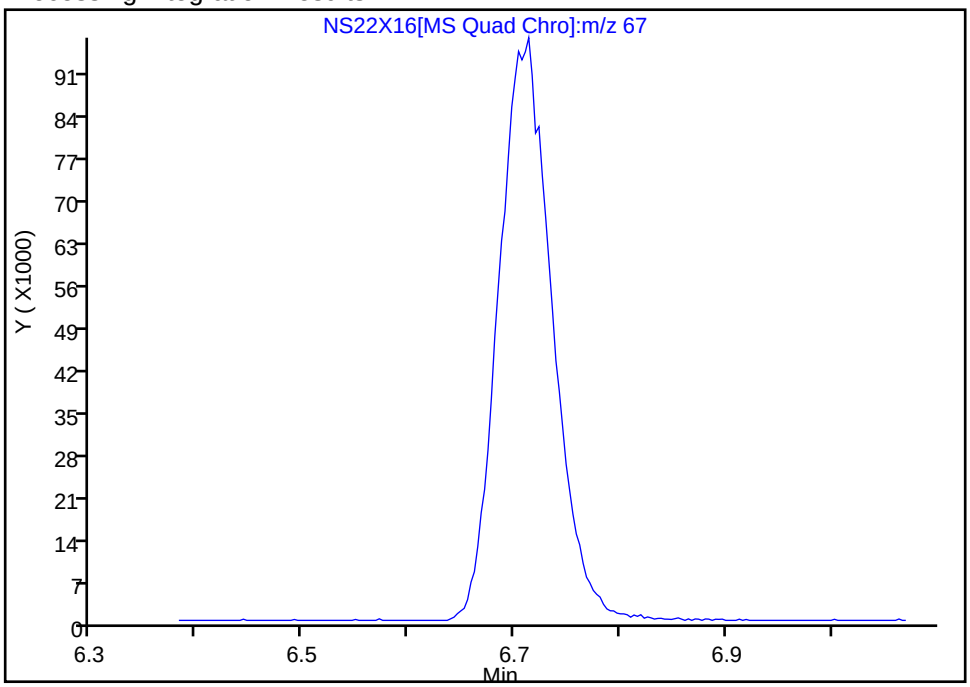
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X16.D
Injection Date: 22-Sep-2025 19:30:37 Instrument ID: 7159
Lims ID: ICIS v50
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

46 Methacrylonitrile, CAS: 126-98-7

Signal: 1

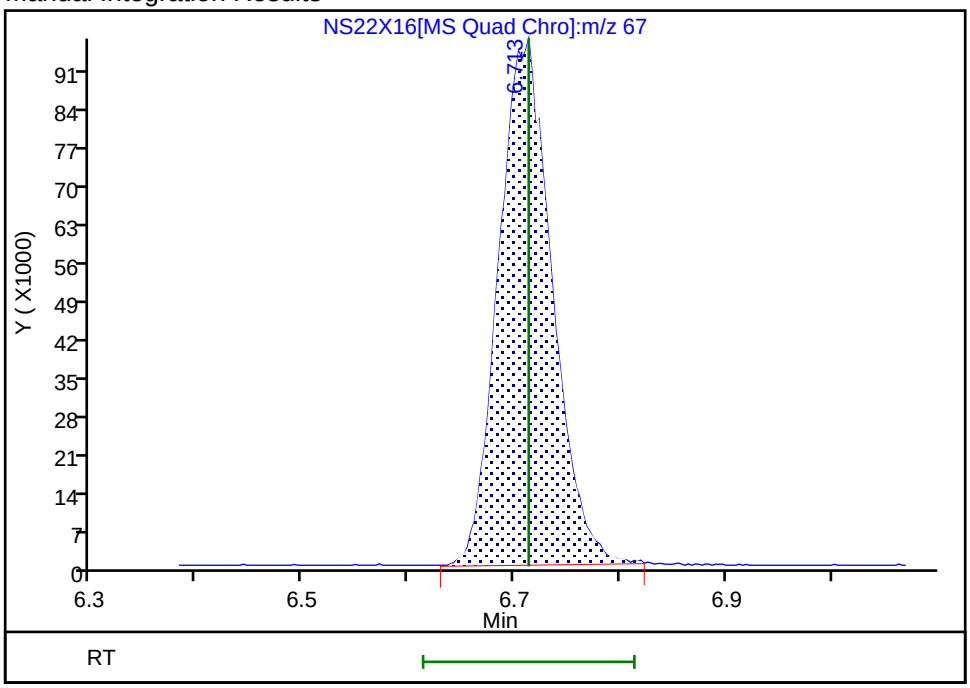
Not Detected
Expected RT: 6.71

Processing Integration Results



Manual Integration Results

RT: 6.71
Area: 339173
Amount: 124.7750
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:29:06 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

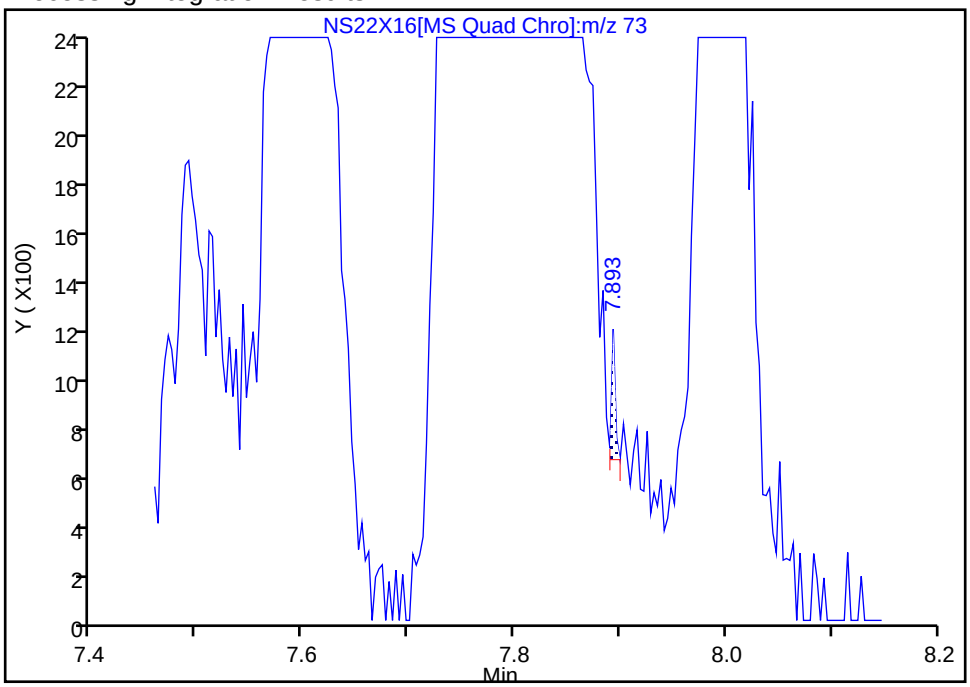
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X16.D
Injection Date: 22-Sep-2025 19:30:37 Instrument ID: 7159
Lims ID: ICIS v50
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

60 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

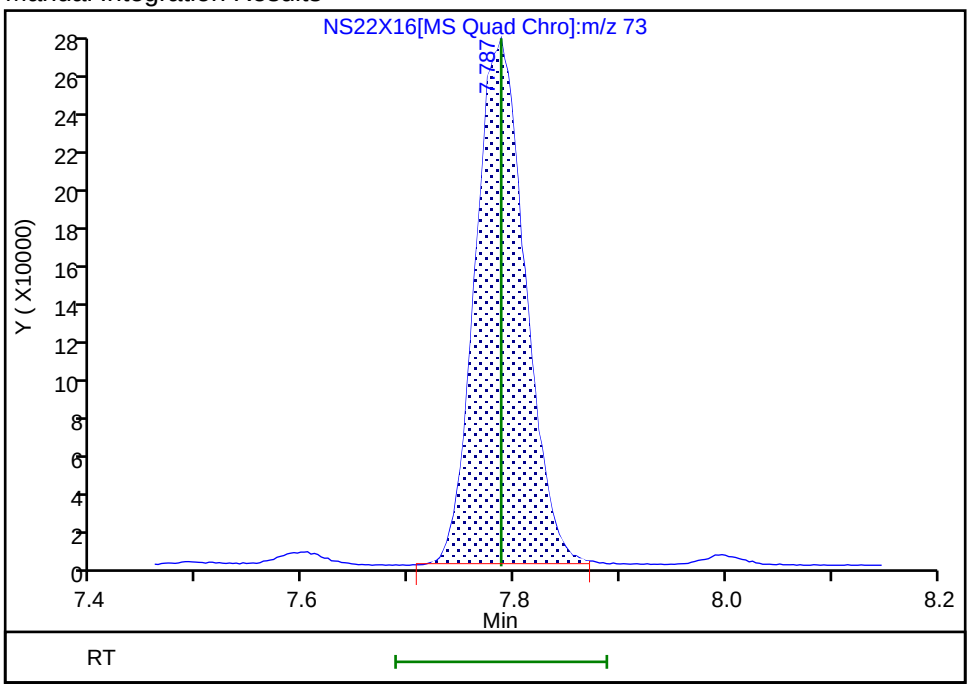
Processing Integration Results

RT: 7.89
Area: 131
Amount: 0.008643
Amount Units: ug/l



Manual Integration Results

RT: 7.79
Area: 904318
Amount: 49.936853
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 23:21:52 -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\7159\20250922-160533.b\NS22X17.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 22-Sep-2025 19:50:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0160533-017
Misc. Info.: IC V100
Operator ID: kas02648 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub47

Method: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 23-Sep-2025 09:36:30 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: UKAD Date: 22-Sep-2025 21:22:38

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.984					ND	
2	Dichlorodifluoromethane	85	2.032	2.025	0.007	99	2001054	100.0	109.7	
3	Chlorodifluoromethane	51		2.041					ND	U
4	Chloromethane	50	2.231	2.231	0.000	99	1292695	100.0	98.8	
5	Butadiene	39	2.344	2.350	-0.006	90	875523	100.0	103.6	
6	Vinyl chloride	62	2.363	2.363	0.000	98	1348258	100.0	102.0	
7	2-Chloro-1,1,1-Trifluoroethane	118		2.443					ND	U
8	Bromomethane	94	2.717	2.704	0.013	91	1005052	100.0	97.8	
9	Chloroethane	64	2.804	2.810	-0.006	99	596664	100.0	98.2	
10	Dichlorofluoromethane	67	3.070	3.074	-0.004	97	1719918	100.0	99.2	
11	Trichlorofluoromethane	101	3.144	3.141	0.003	98	1924599	100.0	108.8	
12	Pentane	43	3.176	3.176	0.000	95	830390	100.0	101.4	
13	Ethanol	45	3.267	3.328	-0.061	89	190426	2499.8	2285.8	
15	1,2-Dichloro-1,1,2-trifluoroetha	67	3.511	3.511	0.000	87	814812	100.0	103.1	
16	Acrolein	56	3.607	3.607	0.000	99	1368149	975.8	994.9	
17	1,1-Dichloroethene	96	3.746	3.752	-0.006	95	592161	100.0	97.3	
18	1,1,2-Trichloro-1,2,2-trifluoroe	101	3.791	3.791	0.000	88	906161	100.0	103.0	
19	Acetone	58	3.803	3.794	0.009	71	142859	200.0	205.4	
20	Iodomethane	142	3.958	3.964	-0.006	99	1437076	100.0	98.9	
21	Isopropyl alcohol	45	3.987	3.984	0.003	38	354314	500.0	406.1	
22	Carbon disulfide	76	4.064	4.070	-0.006	99	2017013	100.0	99.2	
24	Methyl acetate	43	4.257	4.254	0.003	96	433004	100.0	94.4	
25	3-Chloro-1-propene	41	4.279	4.283	-0.004	87	702471	100.0	98.9	
26	Methylene Chloride	84	4.488	4.485	0.003	85	649181	100.0	97.6	a
* 27	t-Butyl alcohol-d10 (IS)	65	4.537	4.533	0.004	90	301888	250.0	250.0	
28	2-Methyl-2-propanol	59	4.649	4.665	-0.016	99	628480	500.0	492.8	
29	Acrylonitrile	53	4.852	4.861	-0.009	99	627165	250.0	244.6	
32	Methyl tert-butyl ether	73	4.913	4.910	0.003	88	2048266	100.0	98.5	
31	trans-1,2-Dichloroethene	96	4.913	4.913	0.000	95	663376	100.0	97.8	
33	Hexane	57	5.344	5.347	-0.003	91	817537	100.0	106.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	5.591	5.591	0.000	95	994480	100.0	97.0	
36 Isopropyl ether	45	5.652	5.652	0.000	95	1660812	100.0	100.3	
37 2-Chloro-1,3-butadiene	53	5.694	5.697	-0.003	91	875747	100.0	102.1	
S 38 1,2-Dichloroethene, Total	100				0			193.6	
39 Tert-butyl ethyl ether	59	6.186	6.186	0.000	96	1904836	100.0	103.4	
40 2-Butanone (MEK)	43	6.405	6.401	0.004	98	626469	200.0	190.5	
41 cis-1,2-Dichloroethene	96	6.421	6.424	-0.003	78	746615	100.0	95.8	
43 2,2-Dichloropropane	77	6.434	6.443	-0.009	86	1134111	100.0	98.5	
44 Propionitrile	54	6.508	6.508	0.000	96	557573	500.0	506.1	
45 Methyl acrylate	55	6.530	6.524	0.006	100	677848	100.0	99.1	
46 Methacrylonitrile	67	6.710	6.713	-0.003	79	710589	250.0	254.3	a
47 Chlorobromomethane	128	6.752	6.752	0.000	82	414612	100.0	97.6	
48 Tetrahydrofuran	71	6.765	6.768	-0.003	78	527714	500.0	516.1	
49 Chloroform	83	6.900	6.906	-0.006	93	1183658	100.0	93.1	
$ 50 Dibromofluoromethane (Surr)	113	7.112	7.115	-0.003	93	308356	50.0	49.2	
51 1,1,1-Trichloroethane	97	7.125	7.128	-0.003	97	1292608	100.0	99.2	
52 Cyclohexane	56	7.218	7.215	0.003	87	1180062	100.0	106.2	
53 Carbon tetrachloride	117	7.331	7.334	-0.003	97	1236720	100.0	101.4	a
54 1,1-Dichloropropene	75	7.334	7.334	0.000	94	851722	100.0	101.0	
55 Isobutyl alcohol	41	7.501	7.495	0.006	98	433163	1250.0	1230.3	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.572	7.575	-0.003	97	69102	50.0	49.0	
57 Benzene	78	7.598	7.594	0.004	96	2490711	100.0	99.4	
59 1,2-Dichloroethane	62	7.672	7.675	-0.003	98	792540	100.0	97.3	
60 Tert-amyl methyl ether	73	7.787	7.787	0.000	98	1908440	100.0	102.5	a
* 62 Fluorobenzene (IS)	96	7.996	7.996	0.000	98	1101887	50.0	50.0	
63 n-Heptane	43	8.000	8.000	0.000	90	682940	100.0	106.0	
64 n-Butanol	56	8.356	8.356	0.000	87	356150	1250.0	1323.6	
65 Trichloroethene	95	8.463	8.463	0.000	94	737689	100.0	99.6	
66 Ethyl acrylate	55	8.585	8.585	0.000	98	812165	100.0	103.0	
67 Methylcyclohexane	83	8.765	8.768	-0.003	94	1442555	100.0	108.3	
68 2-ethoxy-2-methyl butane	87	8.800	8.803	-0.003	94	1028561	100.0	102.3	
69 1,2-Dichloropropane	63	8.803	8.803	0.000	77	593609	100.0	100.4	
70 Methyl methacrylate	69	8.884	8.881	0.003	87	477649	100.0	103.7	
71 1,4-Dioxane	88	8.890	8.900	-0.010	36	118067	1250.0	1269.0	
72 Dibromomethane	93	8.913	8.909	0.004	90	436210	100.0	99.5	
74 Dichlorobromomethane	83	9.138	9.138	0.000	99	891797	100.0	101.9	
75 2-Nitropropane	41	9.414	9.411	0.003	99	945759	500.0	538.2	
76 2-Chloroethyl vinyl ether	63	9.485	9.485	0.000	92	385156	100.0	102.2	
77 cis-1,3-Dichloropropene	75	9.659	9.659	0.000	96	983782	100.0	105.4	
78 4-Methyl-2-pentanone (MIBK)	43	9.826	9.826	0.000	95	1442549	200.0	195.1	
$ 79 Toluene-d8 (Surr)	98	9.951	9.951	0.000	93	1106405	50.0	49.2	
118 Toluene	92	10.022	10.025	-0.003	99	1731381	100.0	99.6	
S 119 1,3-Dichloropropene, Total	100				0			208.6	
120 trans-1,3-Dichloropropene	75	10.266	10.266	0.000	91	905484	100.0	103.2	
121 Ethyl methacrylate	69	10.321	10.324	-0.003	87	868475	100.0	105.0	
122 1,1,2-Trichloroethane	97	10.466	10.466	0.000	89	606280	100.0	99.0	
123 Tetrachloroethene	166	10.543	10.543	0.000	97	995842	100.0	102.0	
124 1,3-Dichloropropane	76	10.623	10.623	0.000	88	909198	100.0	99.0	
126 2-Hexanone	43	10.671	10.671	0.000	95	975747	200.0	189.4	
128 Chlorodibromomethane	129	10.829	10.826	0.003	89	837676	100.0	105.1	
129 Ethylene Dibromide	107	10.935	10.938	-0.003	100	657098	100.0	99.7	
S 130 Xylenes, Total	106				0			305.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.353	0.000	82	915307	50.0	50.0	
132 1-Chlorohexane	91	11.356	11.356	0.000	92	1008440	100.0	102.3	
133 Chlorobenzene	112	11.379	11.379	0.000	97	2064829	100.0	100.2	
134 1,1,1,2-Tetrachloroethane	131	11.456	11.456	0.000	94	925801	100.0	101.7	
135 Ethylbenzene	91	11.459	11.459	0.000	98	3502480	100.0	101.5	
136 m-Xylene & p-Xylene	106	11.572	11.572	0.000	100	2777692	200.0	202.9	
137 n-Butyl acrylate	55	11.835	11.835	0.000	97	1195969	100.0	103.8	
138 o-Xylene	106	11.893	11.890	0.003	96	1457879	100.0	102.1	
139 Styrene	104	11.906	11.906	0.000	94	2277357	100.0	104.9	
140 Bromoform	173	12.064	12.061	0.004	99	656285	100.0	110.4	
141 Isopropylbenzene	105	12.183	12.186	-0.003	95	4189993	100.0	106.3	
143 Cyclohexanone	55	12.266	12.270	-0.004	90	393695	1250.0	1231.7	
$ 144 4-Bromofluorobenzene (Surr)	95	12.327	12.324	0.003	97	418893	50.0	49.3	
145 1,1,2,2-Tetrachloroethane	83	12.424	12.424	0.000	95	965290	100.0	103.5	
146 Bromobenzene	156	12.443	12.443	0.000	90	1001996	100.0	102.6	
147 trans-1,4-Dichloro-2-butene	53	12.450	12.450	0.000	87	609516	250.0	261.3	
148 1,2,3-Trichloropropane	110	12.472	12.472	0.000	83	321737	100.0	101.0	
149 N-Propylbenzene	91	12.504	12.504	0.000	98	4433392	100.0	108.0	
150 2-Chlorotoluene	126	12.585	12.581	0.004	98	980177	100.0	104.9	
151 1,3,5-Trimethylbenzene	105	12.636	12.636	0.000	95	3537946	100.0	109.4	
152 4-Chlorotoluene	126	12.675	12.675	0.000	96	930029	100.0	103.9	
154 tert-Butylbenzene	134	12.877	12.877	0.000	91	793494	100.0	110.6	
155 1,2,4-Trimethylbenzene	105	12.916	12.919	-0.003	97	3553887	100.0	107.7	
157 sec-Butylbenzene	105	13.038	13.038	0.000	94	4581891	100.0	111.9	
158 1,3-Dichlorobenzene	146	13.138	13.138	0.000	98	1869661	100.0	102.0	
159 4-Isopropyltoluene	119	13.141	13.141	0.000	96	4094059	100.0	111.1	
* 160 1,4-Dichlorobenzene-d4	152	13.192	13.189	0.003	92	530700	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.208	13.208	0.000	96	1841633	100.0	100.8	
162 1,2,3-Trimethylbenzene	105	13.218	13.218	0.000	98	3586550	100.0	107.1	
163 Benzyl chloride	91	13.286	13.286	0.000	97	1769588	100.0	106.6	
164 1,3-Diethylbenzene	119	13.337	13.340	-0.003	95	2207081	100.0	109.1	
165 p-Diethylbenzene	119	13.411	13.411	0.000	94	2294754	100.0	108.3	
166 n-Butylbenzene	92	13.430	13.430	0.000	97	1689331	100.0	107.0	
167 1,2-Dichlorobenzene	146	13.466	13.466	0.000	99	1831700	100.0	100.4	
168 o-diethylbenzene	119	13.482	13.482	0.000	94	1959163	100.0	108.0	
170 1,2-Dibromo-3-Chloropropane	75	14.003	14.003	0.000	93	251081	100.0	100.1	
171 1,3,5-Trichlorobenzene	180	14.125	14.122	0.003	97	1598867	100.0	106.1	
172 1,2,4-Trichlorobenzene	180	14.546	14.543	0.003	94	1456437	100.0	104.0	
173 2-Ethylhexyl acrylate	55	14.597	14.597	0.000	80	1205624	100.0	109.8	
174 Hexachlorobutadiene	225	14.626	14.623	0.003	95	633673	100.0	109.1	
175 Naphthalene	128	14.729	14.729	0.000	96	4313257	100.0	103.6	
176 1,2,3-Trichlorobenzene	180	14.874	14.871	0.003	96	1451875	100.0	101.2	
177 2-Methylnaphthalene	142	15.517	15.517	0.000	93	2560427	100.0	105.0	
S 238 Total Diethylbenzene	1				0			325.3	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00254	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_01121	Amount Added:	2.50	Units: uL	
MSV_CCV_VOC#3_00256	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00247	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00012	Amount Added:	10.00	Units: uL	
MSV_CCV_ETOH_00011	Amount Added:	10.00	Units: uL	
MSV_CCV_OH_Sp_00026	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00044	Amount Added:	5.00	Units: uL	Run Reagent
MSV_V_SMFreon_00052	Amount Added:	0.00	Units:	Run Reagent

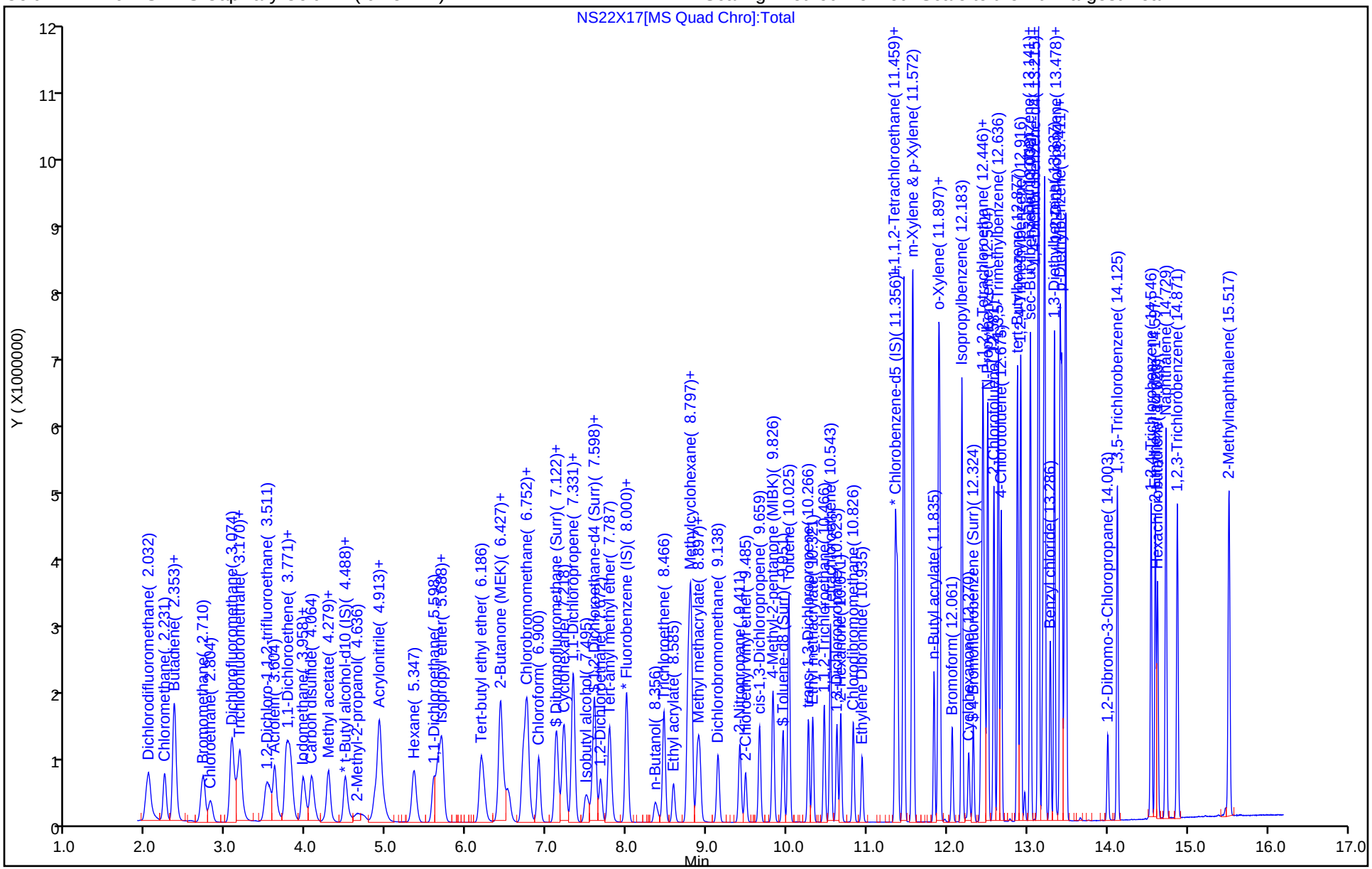
Report Date: 23-Sep-2025 09:36:31 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X17.D

Injection Date:	22-Sep-2025 19:50:30	Instrument ID:	7159	Operator ID:	kas02648
Lims ID:	IC v100			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

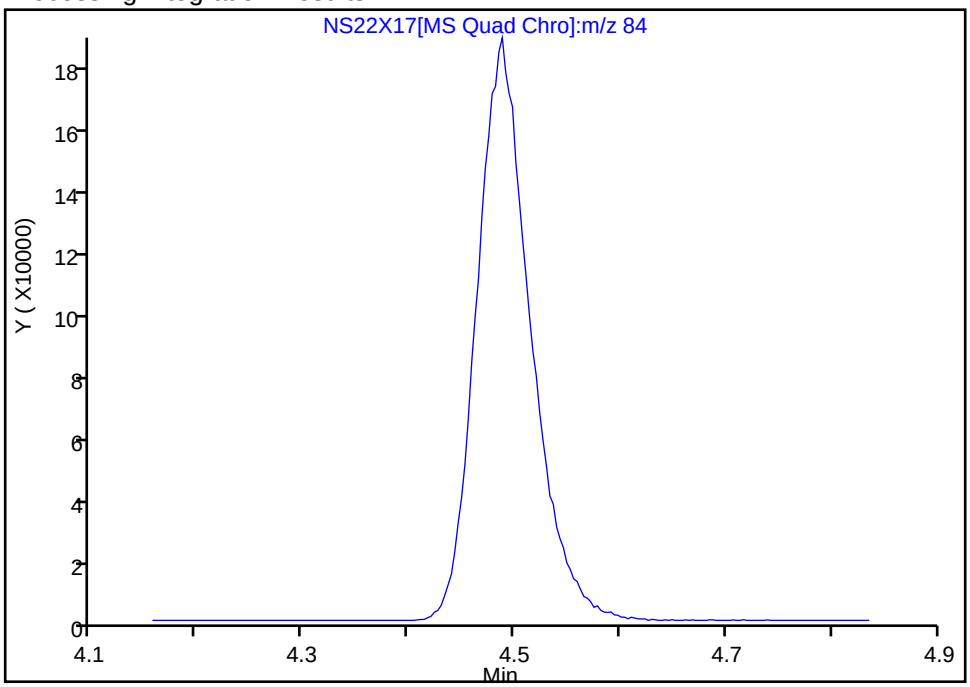
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X17.D				
Injection Date:	22-Sep-2025 19:50:30	Instrument ID:	7159		
Lims ID:	IC v100				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methylene Chloride, CAS: 75-09-2

Signal: 1

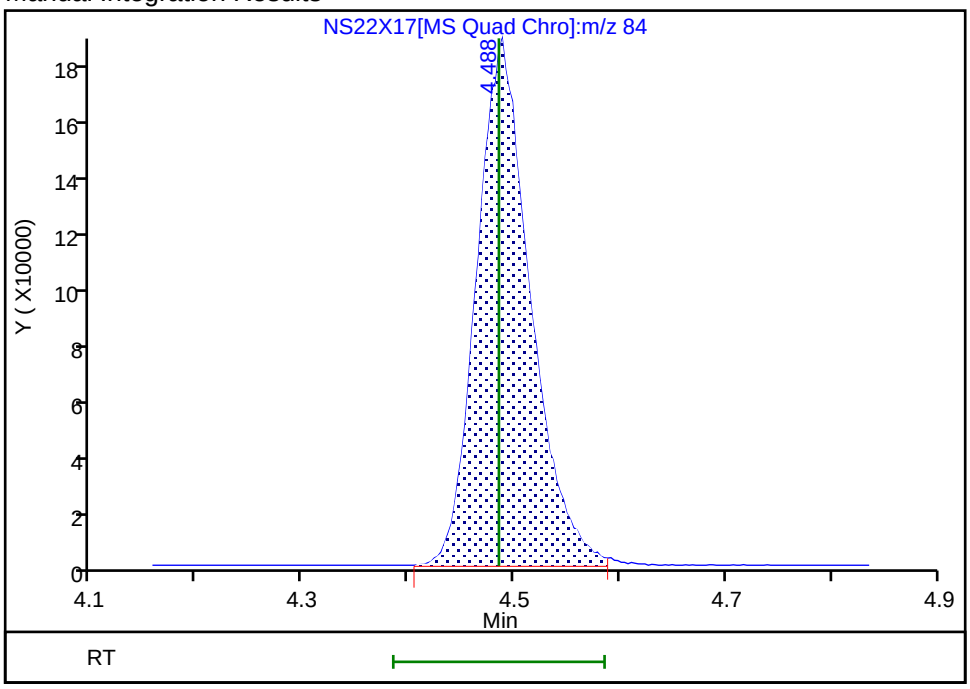
Not Detected
Expected RT: 4.49

Processing Integration Results



Manual Integration Results

RT: 4.49
Area: 649181
Amount: 97.619136
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:27:03 -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

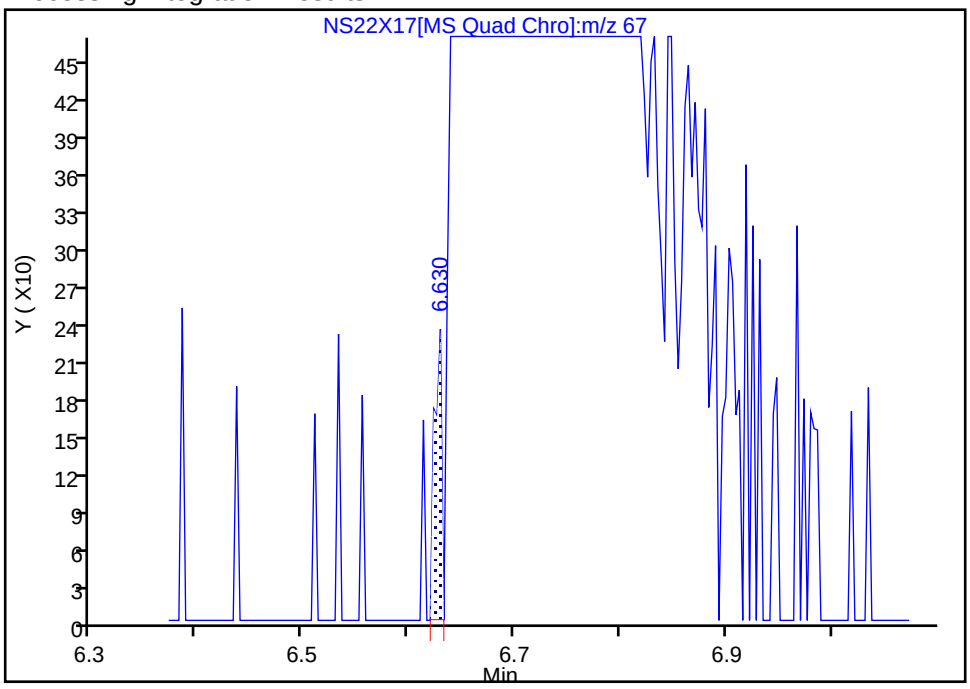
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X17.D
Injection Date: 22-Sep-2025 19:50:30 Instrument ID: 7159
Lims ID: IC v100
Client ID:
Operator ID: kas02648 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

46 Methacrylonitrile, CAS: 126-98-7

Signal: 1

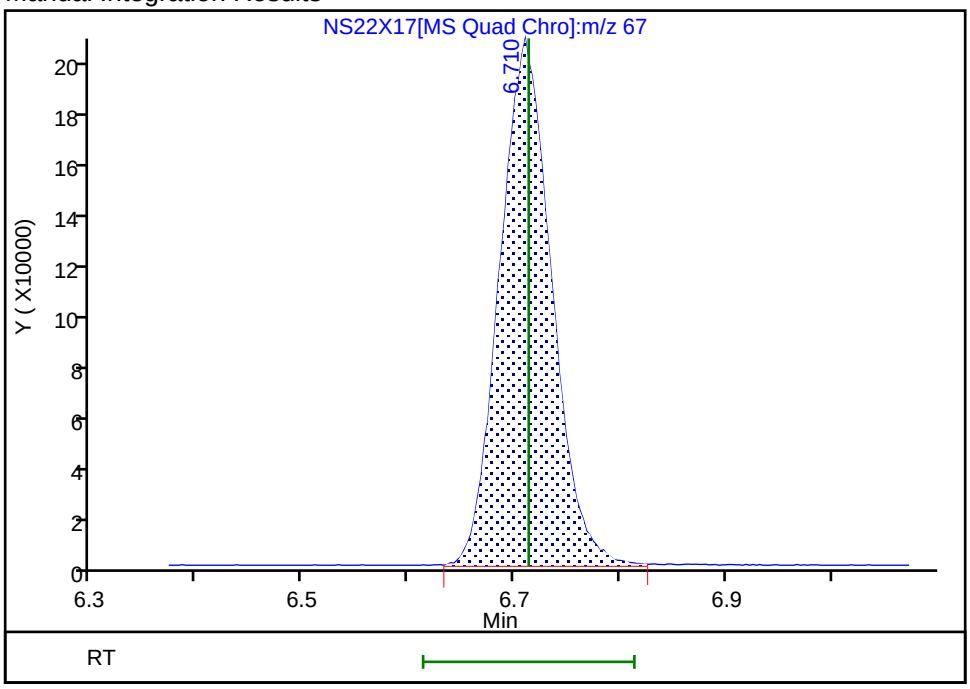
Processing Integration Results

RT: 6.63
Area: 109
Amount: 0.072125
Amount Units: ug/l



Manual Integration Results

RT: 6.71
Area: 710589
Amount: 254.2809
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:27:14 -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

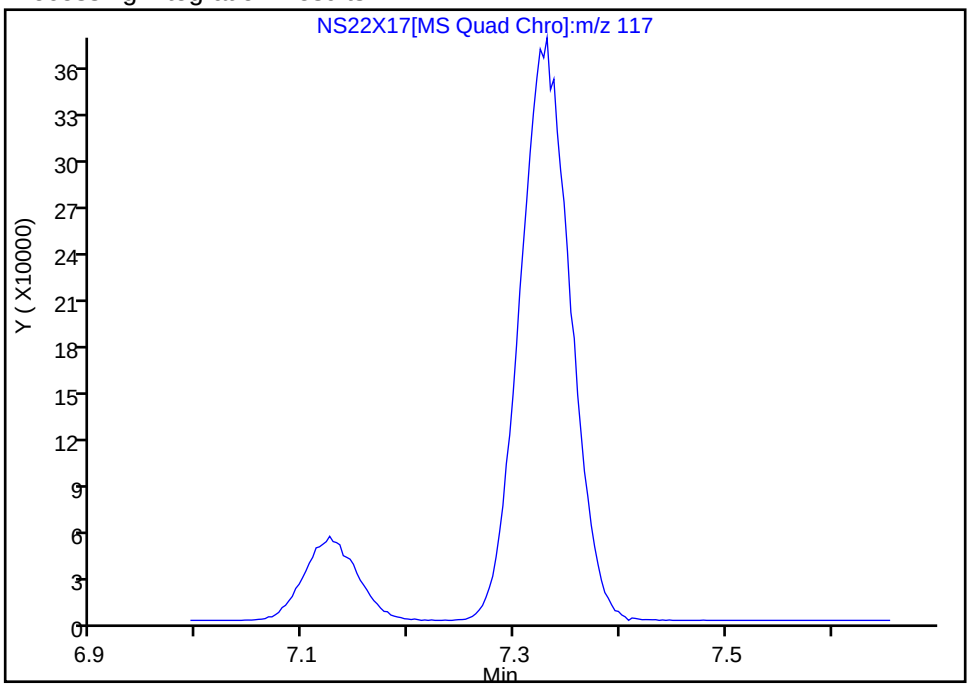
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X17.D				
Injection Date:	22-Sep-2025 19:50:30	Instrument ID:	7159		
Lims ID:	IC v100				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

53 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

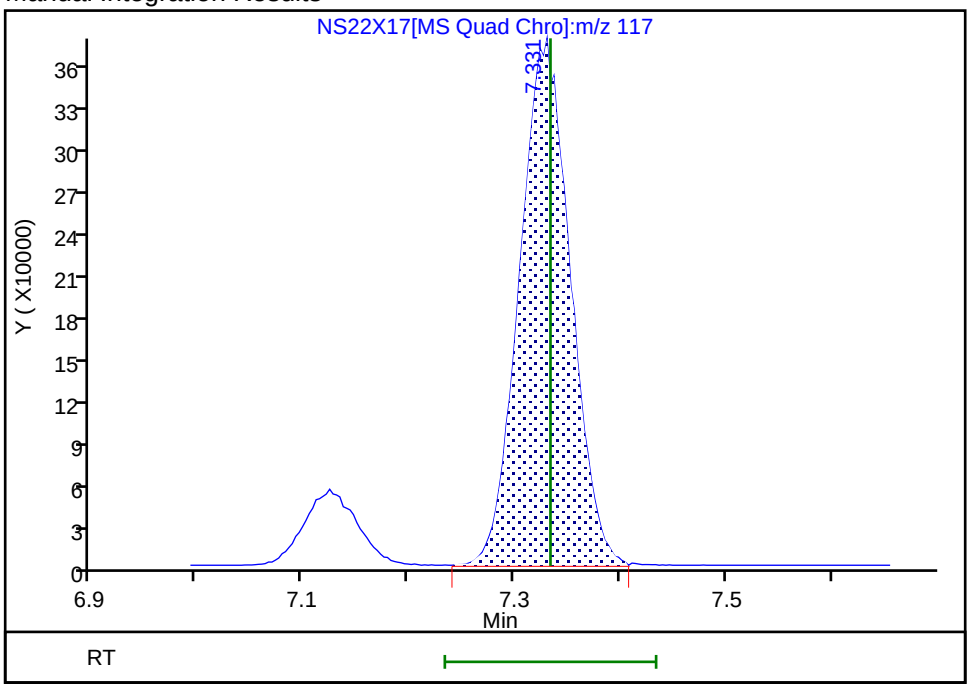
Not Detected
Expected RT: 7.33

Processing Integration Results



Manual Integration Results

RT: 7.33
Area: 1236720
Amount: 101.3841
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:27:25 -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

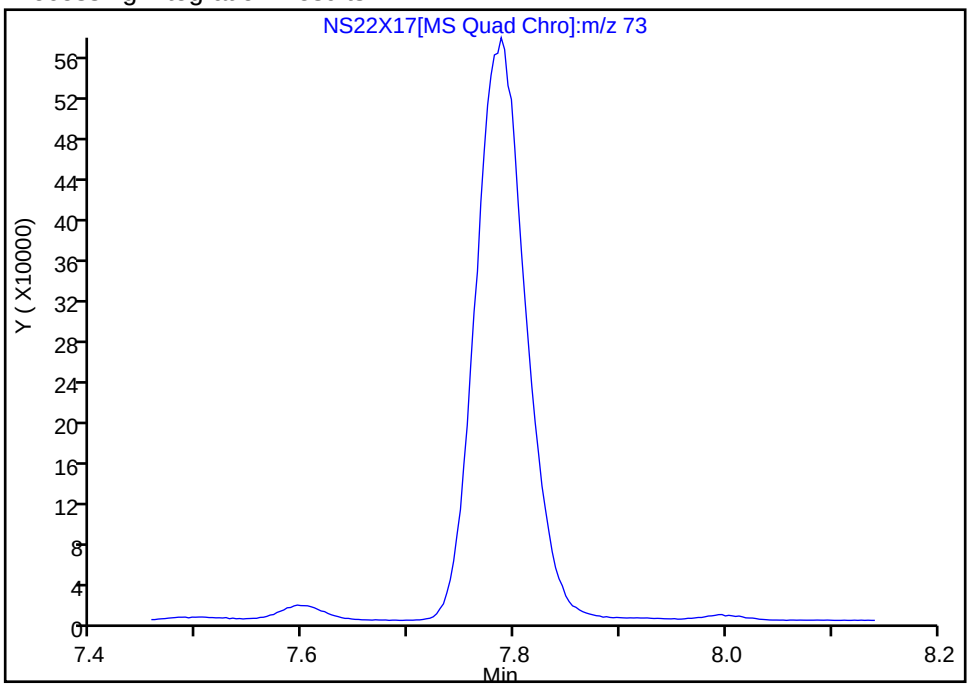
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X17.D
Injection Date: 22-Sep-2025 19:50:30 Instrument ID: 7159
Lims ID: IC v100
Client ID:
Operator ID: kas02648 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

60 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

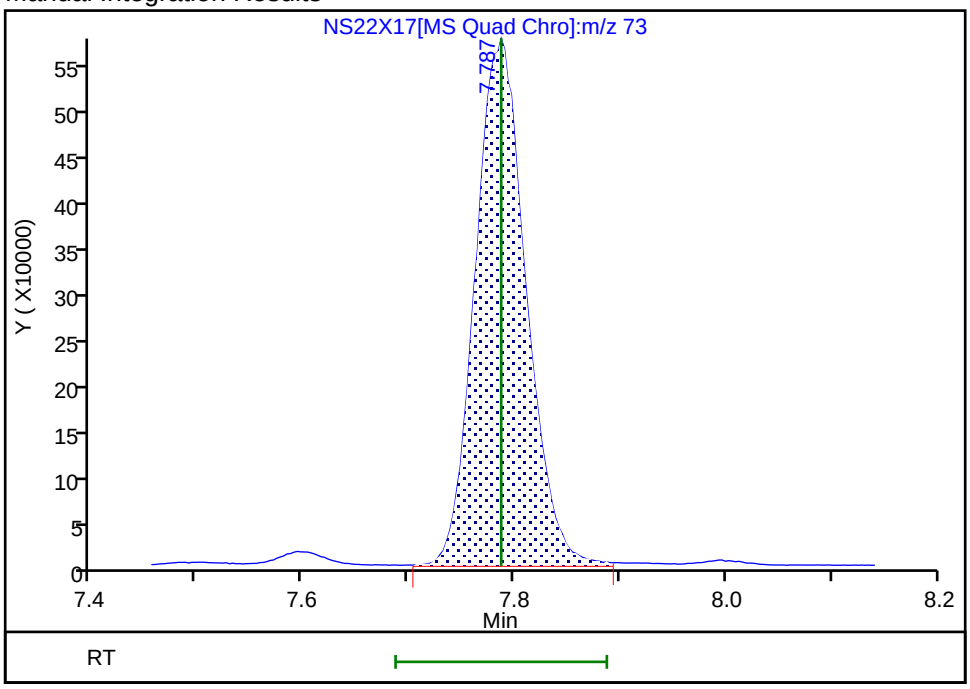
Not Detected
Expected RT: 7.79

Processing Integration Results



Manual Integration Results

RT: 7.79
Area: 1908440
Amount: 102.5103
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:27:34 -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\7159\20250922-160533.b\NS22X18.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 22-Sep-2025 20:10:24 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0160533-018
Misc. Info.: IC V300
Operator ID: kas02648 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub47

Method: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 23-Sep-2025 09:36:35 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: UKAD Date: 22-Sep-2025 21:22:30

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.984					ND	U
2	Dichlorodifluoromethane	85	2.035	2.025	0.010	99	5831911	300.0	319.1	
3	Chlorodifluoromethane	51		2.041					ND	U
4	Chloromethane	50	2.234	2.231	0.003	99	3697483	300.0	282.1	
5	Butadiene	39	2.353	2.350	0.003	90	2534870	300.0	299.5	
6	Vinyl chloride	62	2.366	2.363	0.003	98	3895671	300.0	294.2	
7	2-Chloro-1,1,1-Trifluoroethane	118		2.443					ND	U
8	Bromomethane	94	2.713	2.704	0.009	91	2912376	300.0	282.9	
9	Chloroethane	64	2.810	2.810	0.000	100	1743007	300.0	286.4	
10	Dichlorofluoromethane	67	3.076	3.074	0.002	97	5003898	300.0	288.3	
11	Trichlorofluoromethane	101	3.147	3.141	0.006	98	5628842	300.0	317.8	
12	Pentane	43	3.179	3.176	0.003	96	2464947	300.0	300.5	
13	Ethanol	45	3.279	3.328	-0.049	92	652258	7499.5	7375.0	
15	1,2-Dichloro-1,1,2-trifluoroetha	67	3.523	3.511	0.012	86	2394145	300.0	302.5	
16	Acrolein	56	3.610	3.607	0.003	99	4040985	2927.5	2768.0	
17	1,1-Dichloroethene	96	3.752	3.752	0.000	95	1763332	300.0	289.4	
18	1,1,2-Trichloro-1,2,2-trifluoroe	101	3.800	3.791	0.009	88	2584036	300.0	293.2	
19	Acetone	58	3.800	3.794	0.006	91	405217	600.0	548.9	
20	Iodomethane	142	3.964	3.964	0.000	98	4236645	300.0	291.1	
21	Isopropyl alcohol	45	3.986	3.984	0.002	99	1210774	1500.0	1307.0	
22	Carbon disulfide	76	4.073	4.070	0.003	99	6008846	300.0	295.1	
24	Methyl acetate	43	4.260	4.254	0.006	96	1255639	300.0	273.4	
25	3-Chloro-1-propene	41	4.282	4.283	-0.001	88	2043672	300.0	287.5	
26	Methylene Chloride	84	4.488	4.485	0.003	85	1914504	300.0	287.5	
* 27	t-Butyl alcohol-d10 (IS)	65	4.527	4.533	-0.006	89	320490	250.0	250.0	
28	2-Methyl-2-propanol	59	4.649	4.665	-0.016	100	2011368	1500.0	1485.6	
29	Acrylonitrile	53	4.861	4.861	0.000	98	1821158	750.0	709.3	
32	Methyl tert-butyl ether	73	4.922	4.910	0.012	95	6069310	300.0	291.5	
31	trans-1,2-Dichloroethene	96	4.919	4.913	0.006	94	1867432	300.0	274.8	
33	Hexane	57	5.343	5.347	-0.004	91	2305356	300.0	300.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	5.591	5.591	0.000	96	2867941	300.0	279.4	
36 Isopropyl ether	45	5.652	5.652	0.000	96	4892240	300.0	295.1	
37 2-Chloro-1,3-butadiene	53	5.697	5.697	0.000	90	2534369	300.0	294.9	
S 38 1,2-Dichloroethene, Total	100				0			549.6	
39 Tert-butyl ethyl ether	59	6.192	6.186	0.006	96	5743594	300.0	311.5	
40 2-Butanone (MEK)	43	6.408	6.401	0.007	98	1997499	600.0	606.4	
41 cis-1,2-Dichloroethene	96	6.424	6.424	0.000	76	2143832	300.0	274.8	
43 2,2-Dichloropropane	77	6.446	6.443	0.003	86	3341695	300.0	290.0	
44 Propionitrile	54	6.507	6.508	-0.001	95	1701688	1500.0	1454.9	
45 Methyl acrylate	55	6.533	6.524	0.009	100	2094230	300.1	305.9	
46 Methacrylonitrile	67	6.716	6.713	0.003	91	2083736	750.0	744.6	
47 Chlorobromomethane	128	6.755	6.752	0.003	84	1191217	300.0	280.0	
48 Tetrahydrofuran	71	6.768	6.768	0.000	87	1568636	1500.0	1445.1	
49 Chloroform	83	6.903	6.906	-0.003	92	3363652	300.0	264.1	
$ 50 Dibromofluoromethane (Surr)	113	7.115	7.115	0.000	94	304288	50.0	48.5	
51 1,1,1-Trichloroethane	97	7.131	7.128	0.003	97	3854429	300.0	295.4	
52 Cyclohexane	56	7.218	7.215	0.003	87	3470540	300.0	311.9	
53 Carbon tetrachloride	117	7.330	7.334	-0.004	97	3660772	300.0	299.7	
54 1,1-Dichloropropene	75	7.334	7.334	0.000	97	2523923	300.0	298.9	
55 Isobutyl alcohol	41	7.494	7.495	-0.001	93	1317831	3750.0	3525.7	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.575	7.575	0.000	99	70774	50.0	50.1	
57 Benzene	78	7.597	7.594	0.003	95	7363054	300.0	293.3	
59 1,2-Dichloroethane	62	7.674	7.675	-0.001	98	2342883	300.0	287.1	
60 Tert-amyl methyl ether	73	7.787	7.787	0.000	98	5835568	300.0	313.0	a
* 62 Fluorobenzene (IS)	96	8.002	7.996	0.006	87	1103445	50.0	50.0	
63 n-Heptane	43	7.999	8.000	-0.001	87	1884503	300.0	292.1	
64 n-Butanol	56	8.362	8.356	0.006	87	1156288	3750.0	4047.7	
65 Trichloroethene	95	8.465	8.463	0.002	95	2220146	300.0	299.3	a
66 Ethyl acrylate	55	8.588	8.585	0.003	99	2503176	300.1	316.9	
67 Methylcyclohexane	83	8.768	8.768	0.000	91	4247207	300.0	318.5	
68 2-ethoxy-2-methyl butane	87	8.803	8.803	0.000	94	3102340	300.0	308.1	
69 1,2-Dichloropropane	63	8.806	8.803	0.003	81	1742900	300.0	294.4	
70 Methyl methacrylate	69	8.880	8.881	-0.001	84	1410846	300.0	306.0	
71 1,4-Dioxane	88	8.893	8.900	-0.007	35	370164	3750.0	3747.7	
72 Dibromomethane	93	8.909	8.909	0.000	91	1299739	300.0	296.0	
74 Dichlorobromomethane	83	9.144	9.138	0.006	99	2717762	300.0	310.1	
75 2-Nitropropane	41	9.414	9.411	0.003	98	2912968	1500.0	1561.3	
76 2-Chloroethyl vinyl ether	63	9.485	9.485	0.000	92	1172802	300.0	310.8	
77 cis-1,3-Dichloropropene	75	9.661	9.659	0.002	96	2993831	300.0	320.4	
78 4-Methyl-2-pentanone (MIBK)	43	9.825	9.826	-0.001	94	4302517	600.0	581.1	
$ 79 Toluene-d8 (Surr)	98	9.951	9.951	0.000	93	1123282	50.0	49.5	
118 Toluene	92	10.025	10.025	0.000	99	5087526	300.0	290.1	
S 119 1,3-Dichloropropene, Total	100				0			630.2	
120 trans-1,3-Dichloropropene	75	10.269	10.266	0.003	90	2743631	300.0	309.9	
121 Ethyl methacrylate	69	10.324	10.324	0.000	87	2584931	300.0	309.8	
122 1,1,2-Trichloroethane	97	10.465	10.466	-0.001	90	1787754	300.0	289.3	
123 Tetrachloroethene	166	10.546	10.543	0.003	97	2890563	300.0	293.5	
124 1,3-Dichloropropane	76	10.623	10.623	0.000	87	2719013	300.0	293.5	
126 2-Hexanone	43	10.671	10.671	0.000	95	2873476	600.0	552.8	
128 Chlorodibromomethane	129	10.825	10.826	-0.001	92	2545854	300.0	316.5	
129 Ethylene Dibromide	107	10.938	10.938	0.000	98	1972457	300.0	296.7	
S 130 Xylenes, Total	106				0			873.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 131 Chlorobenzene-d5 (IS)	117	11.356	11.353	0.003	83	923509	50.0	50.0	
132 1-Chlorohexane	91	11.356	11.356	0.000	91	2941277	300.0	295.6	
133 Chlorobenzene	112	11.382	11.379	0.003	97	6074215	300.0	292.2	
134 1,1,1,2-Tetrachloroethane	131	11.459	11.456	0.003	94	2741887	300.0	298.4	
135 Ethylbenzene	91	11.462	11.459	0.003	98	9852867	300.0	283.1	
136 m-Xylene & p-Xylene	106	11.571	11.572	-0.001	97	8003799	600.0	579.4	
137 n-Butyl acrylate	55	11.835	11.835	0.000	97	3661744	300.0	315.0	
138 o-Xylene	106	11.896	11.890	0.006	96	4230171	300.0	293.7	
139 Styrene	104	11.909	11.906	0.003	94	6544904	300.0	298.9	
140 Bromoform	173	12.063	12.061	0.003	99	1979238	300.0	329.9	
141 Isopropylbenzene	105	12.186	12.186	0.000	95	11454797	300.0	287.9	
143 Cyclohexanone	55	12.269	12.270	-0.001	90	1292188	3750.1	3808.0	
$ 144 4-Bromofluorobenzene (Surr)	95	12.327	12.324	0.003	97	427548	50.0	49.9	
145 1,1,2,2-Tetrachloroethane	83	12.423	12.424	-0.001	95	2751855	300.0	291.7	
146 Bromobenzene	156	12.443	12.443	0.000	91	2981950	300.0	301.7	
147 trans-1,4-Dichloro-2-butene	53	12.452	12.450	0.002	91	1757729	750.0	744.8	
148 1,2,3-Trichloropropane	110	12.475	12.472	0.003	79	922412	300.0	286.3	a
149 N-Propylbenzene	91	12.507	12.504	0.003	97	11859484	300.0	285.6	
150 2-Chlorotoluene	126	12.584	12.581	0.003	98	2884361	300.0	305.1	
151 1,3,5-Trimethylbenzene	105	12.639	12.636	0.003	96	9887323	300.0	302.0	
152 4-Chlorotoluene	126	12.674	12.675	-0.001	96	2751771	300.0	303.7	
154 tert-Butylbenzene	134	12.877	12.877	0.000	92	2374453	300.0	327.1	
155 1,2,4-Trimethylbenzene	105	12.919	12.919	0.000	97	10024752	300.0	300.3	
157 sec-Butylbenzene	105	13.038	13.038	0.000	94	12290856	300.0	296.8	e
158 1,3-Dichlorobenzene	146	13.137	13.138	-0.001	98	5370177	300.0	289.6	
159 4-Isopropyltoluene	119	13.144	13.141	0.003	95	11258948	300.0	301.9	
* 160 1,4-Dichlorobenzene-d4	152	13.192	13.189	0.003	90	536983	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.208	13.208	0.000	96	5355107	300.0	289.6	
162 1,2,3-Trimethylbenzene	105	13.221	13.218	0.003	97	10087783	300.0	297.7	
163 Benzyl chloride	91	13.288	13.286	0.002	98	5315587	300.0	316.5	
164 1,3-Diethylbenzene	119	13.340	13.340	0.000	94	6312945	300.0	308.3	
165 p-Diethylbenzene	119	13.411	13.411	0.000	94	6625277	300.0	308.9	
166 n-Butylbenzene	92	13.433	13.430	0.003	96	4803495	300.0	300.7	
167 1,2-Dichlorobenzene	146	13.465	13.466	-0.001	99	5349931	300.0	289.9	
168 o-diethylbenzene	119	13.485	13.482	0.003	94	5637865	300.0	307.1	
170 1,2-Dibromo-3-Chloropropane	75	14.002	14.003	-0.001	94	777311	300.0	306.3	
171 1,3,5-Trichlorobenzene	180	14.124	14.122	0.002	97	4745670	300.0	311.4	
172 1,2,4-Trichlorobenzene	180	14.546	14.543	0.003	95	4451387	300.0	314.0	
173 2-Ethylhexyl acrylate	55	14.597	14.597	0.000	80	4023455	300.1	362.2	
174 Hexachlorobutadiene	225	14.626	14.623	0.003	95	1908398	300.0	324.8	
175 Naphthalene	128	14.729	14.729	0.000	97	12312714	300.0	292.3	
176 1,2,3-Trichlorobenzene	180	14.870	14.871	-0.001	97	4476991	300.0	308.3	
177 2-Methylnaphthalene	142	15.520	15.517	0.003	91	7918236	300.0	320.9	
S 238 Total Diethylbenzene	1				0			924.3	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00254	Amount Added:	15.00	Units: uL	
MSV_CCV_GASES_01121	Amount Added:	7.50	Units: uL	
MSV_CCV_VOC#3_00256	Amount Added:	12.00	Units: uL	
MSV_CCV_2CEVE_00247	Amount Added:	15.00	Units: uL	
MSV_CCV_CYC_00012	Amount Added:	30.00	Units: uL	
MSV_CCV_ETOH_00011	Amount Added:	30.00	Units: uL	
MSV_CCV_OH_Sp_00026	Amount Added:	15.00	Units: uL	
MSV_Cent_ISSS_00044	Amount Added:	5.00	Units: uL	Run Reagent
MSV_V_SMFreon_00052	Amount Added:	0.00	Units:	Run Reagent

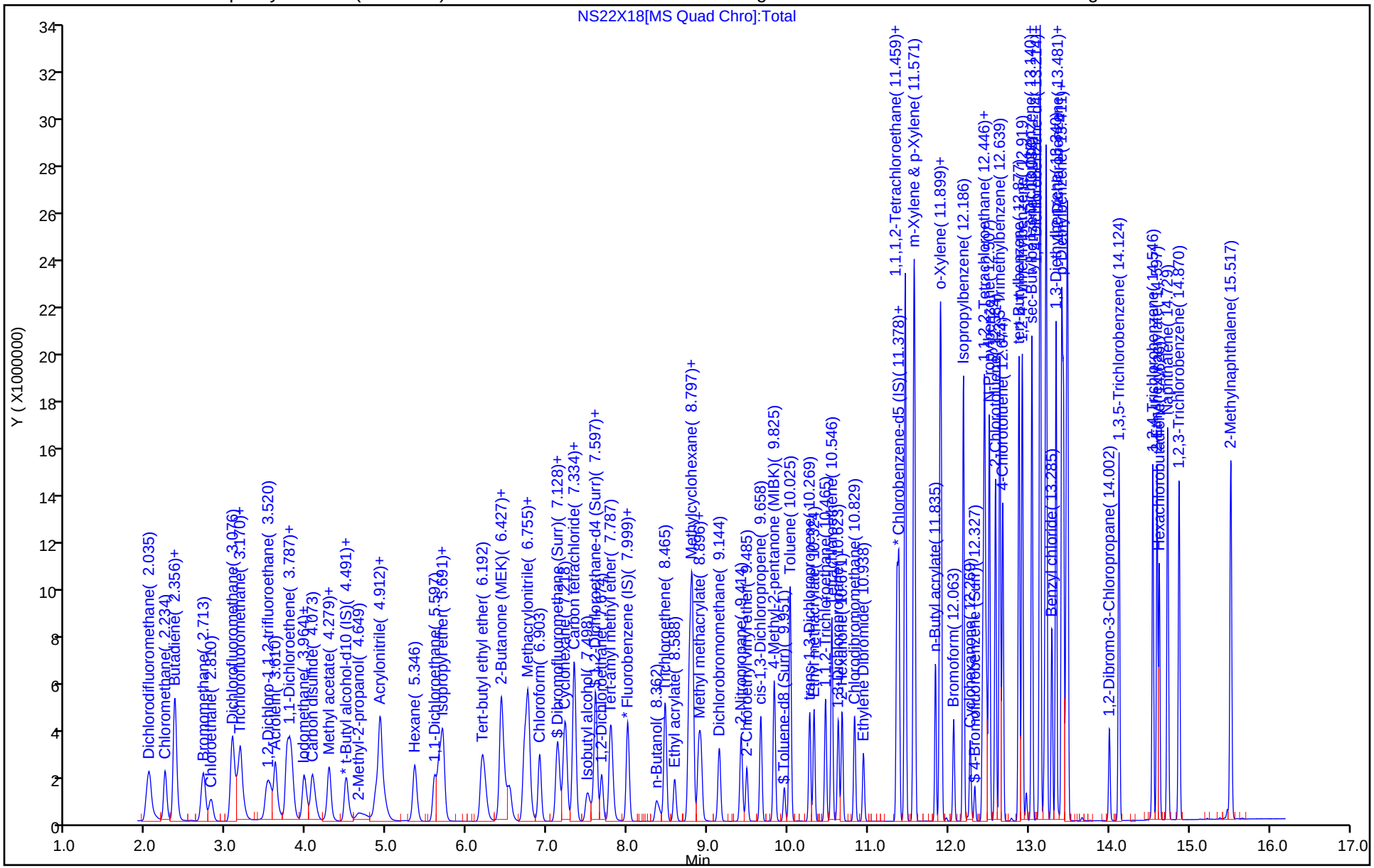
Report Date: 23-Sep-2025 09:36:36 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X18.D

Injection Date:	22-Sep-2025 20:10:24	Instrument ID:	7159	Operator ID:	kas02648
Lims ID:	IC v300			Worklist Smp#:	18
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

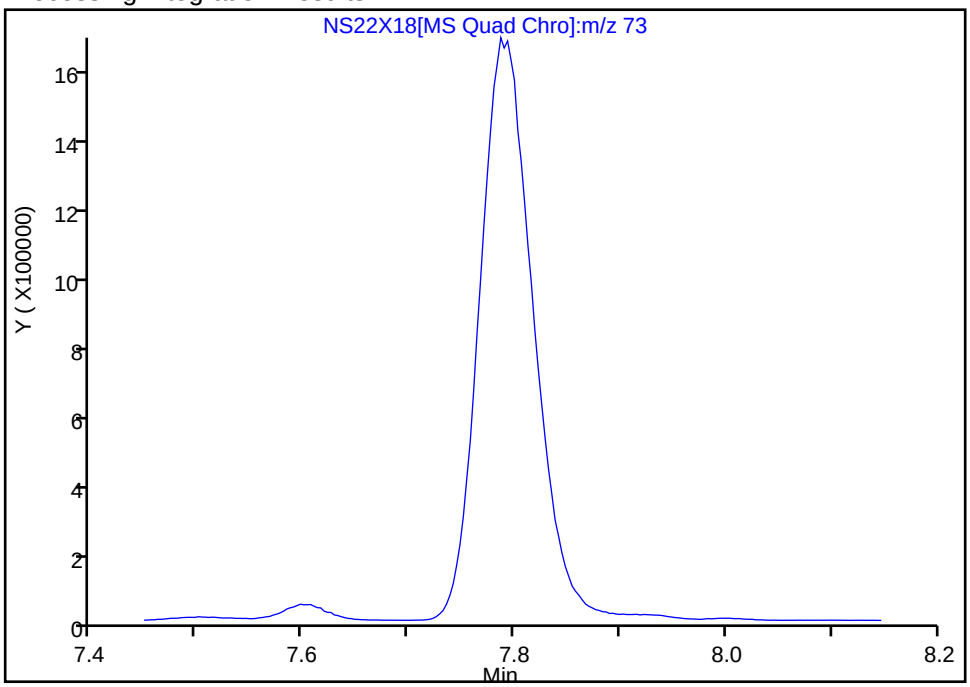
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X18.D				
Injection Date:	22-Sep-2025 20:10:24	Instrument ID:	7159		
Lims ID:	IC v300				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

60 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

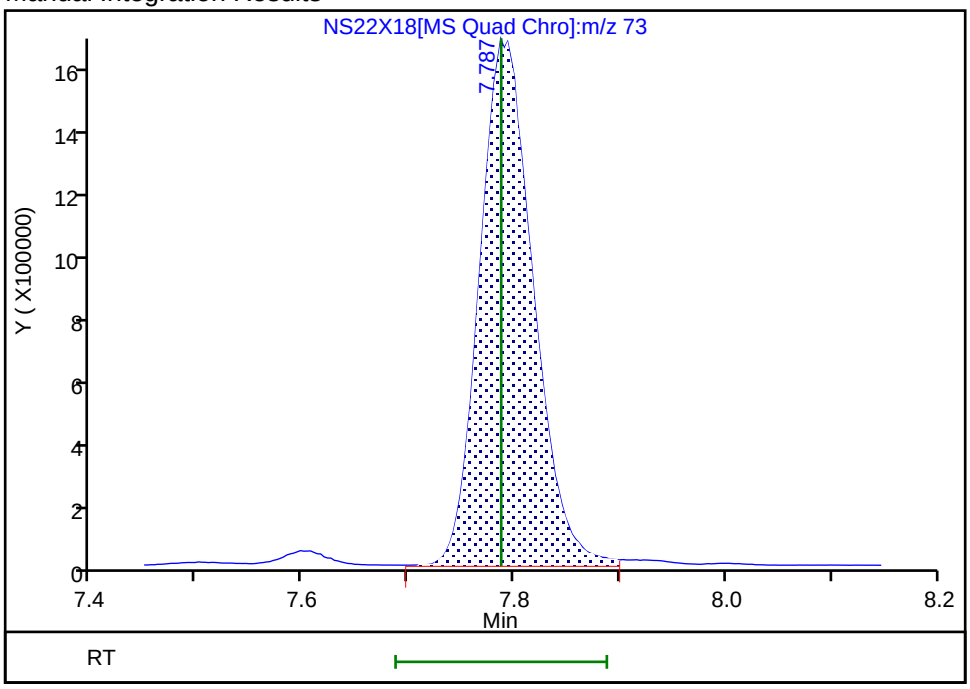
Not Detected
Expected RT: 7.79

Processing Integration Results



Manual Integration Results

RT: 7.79
Area: 5835568
Amount: 313.0101
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:25:48 -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

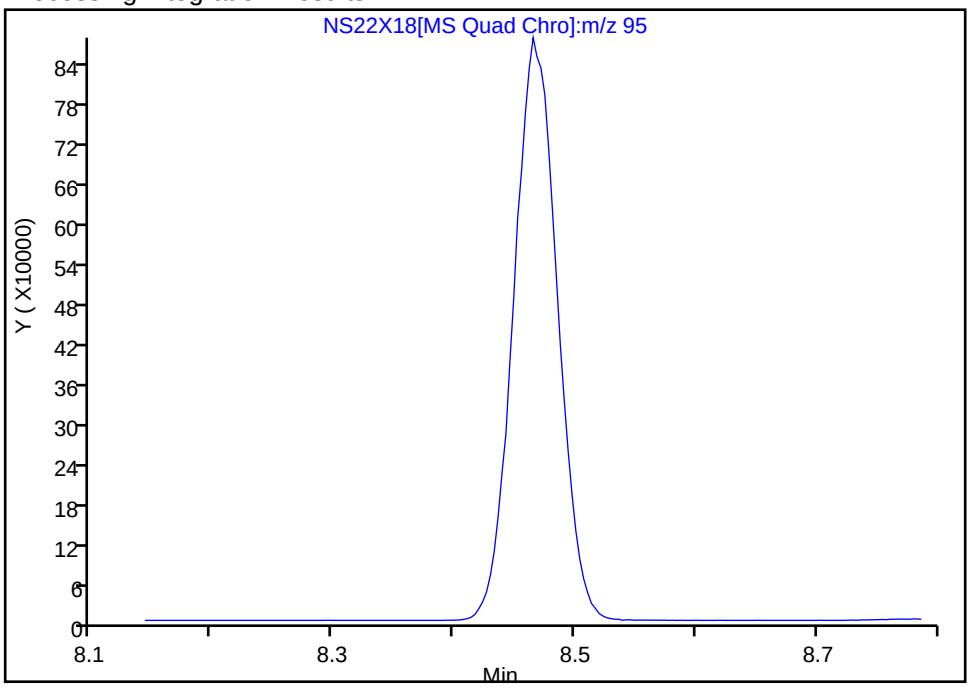
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X18.D				
Injection Date:	22-Sep-2025 20:10:24	Instrument ID:	7159		
Lims ID:	IC v300				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6

Signal: 1

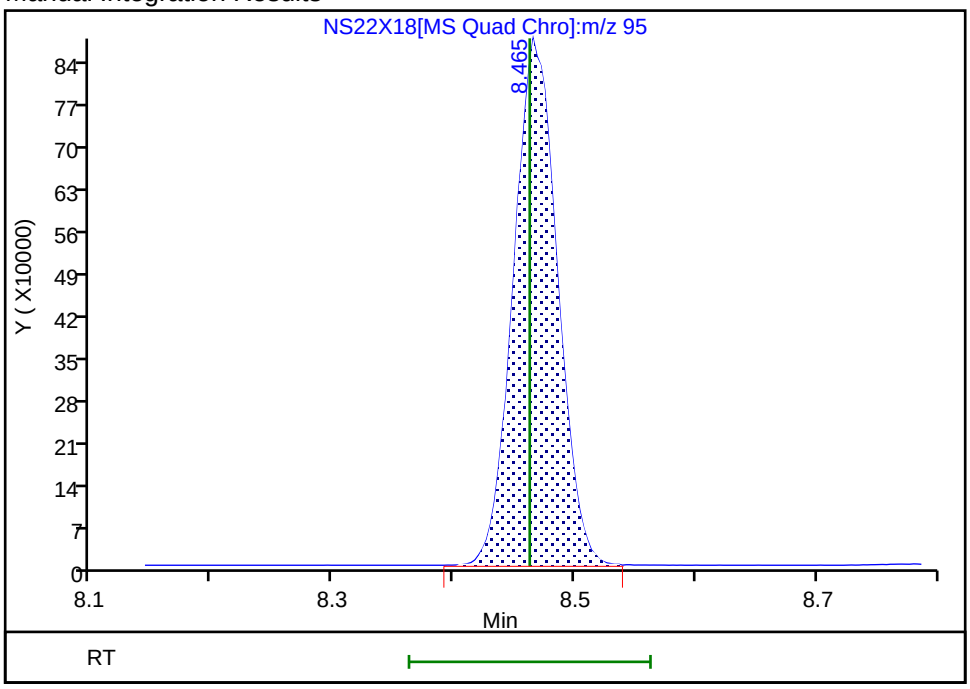
Not Detected
Expected RT: 8.46

Processing Integration Results



Manual Integration Results

RT: 8.47
Area: 2220146
Amount: 299.2851
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:26:06 -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

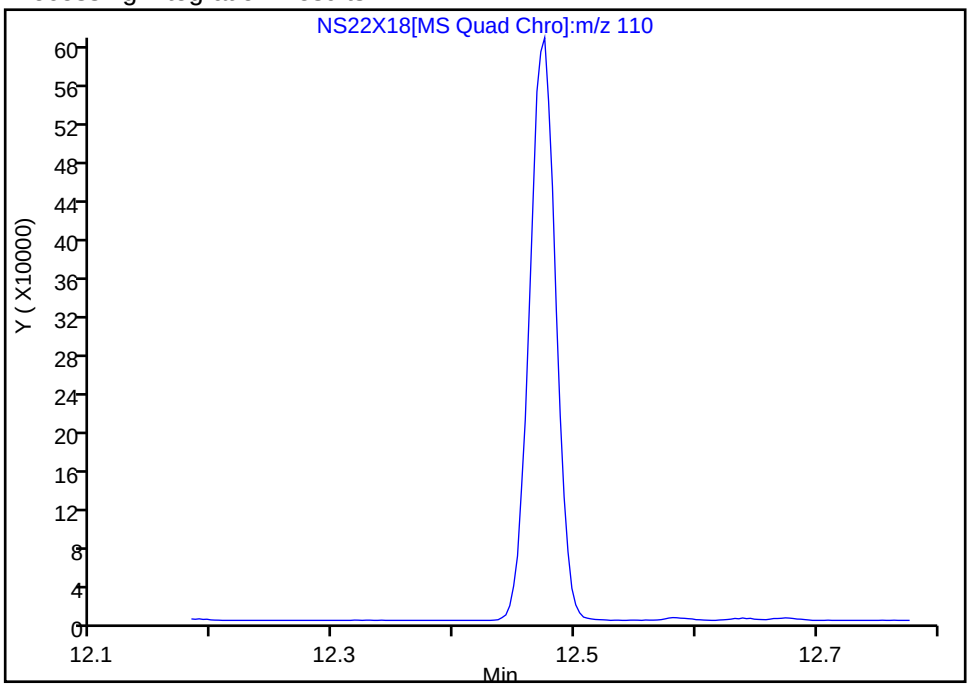
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X18.D				
Injection Date:	22-Sep-2025 20:10:24	Instrument ID:	7159		
Lims ID:	IC v300				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

148 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

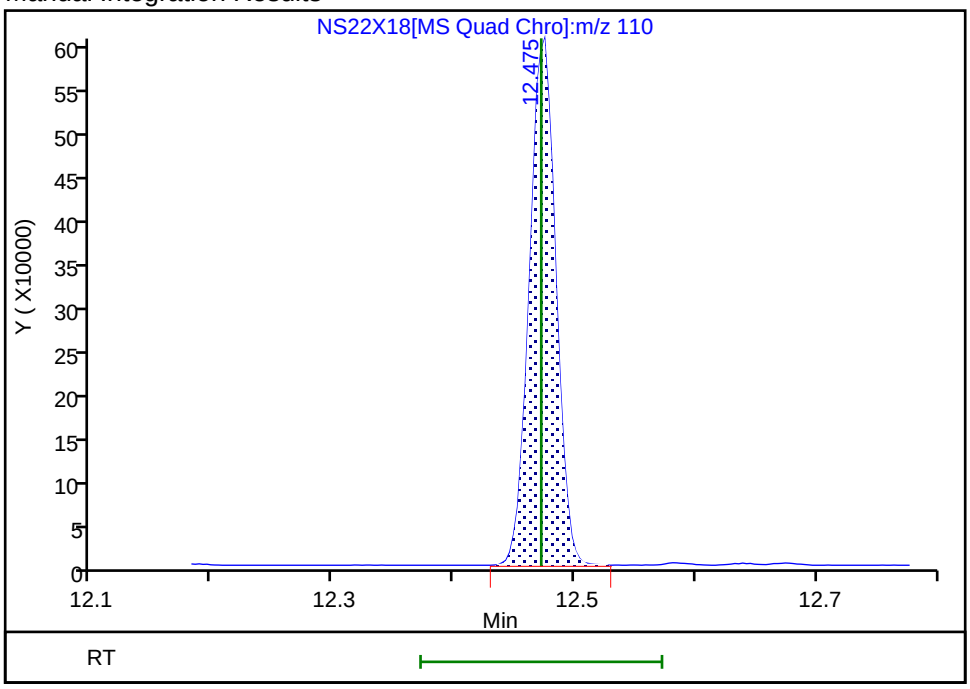
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 922412
Amount: 286.2577
Amount Units: ug/l



Reviewer: UKAD, 22-Sep-2025 21:26:20 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 14:23 Calibration End Date: 10/13/2025 16:15 Calibration ID: 77547

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-713065/3	LC13X02.D
Level 2	IC 410-713065/4	LC13X03.D
Level 3	IC 410-713065/5	LC13X04.D
Level 4	IC 410-713065/6	LC13X05.D
Level 5	IC 410-713065/7	LC13X06.D
Level 6	IC 410-713065/8	LC13X07.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	0.2854 0.2479	0.2515	0.2722	0.2556	0.2444	Ave		0.2595				6.2		20.0			
Chlorodifluoromethane	11.961 9.5897	11.153	11.616	10.250	9.8079	Ave		10.730				9.2		20.0			
Freon 133a	0.4925 0.3723	0.4472	0.4555	0.4185	0.3983	Ave		0.4307				10.0		20.0			
Ethanol	+++++ 0.0977	0.0867	0.0925	0.0897	0.0919	Ave		0.0917				4.4		20.0			
Acetonitrile	1.9675 1.6097	1.7738	1.7794	1.6096	1.5950	Ave		1.7225				8.5		20.0			
Vinyl acetate	0.4796 0.5620	0.4786	0.5009	0.4930	0.5452	Ave		0.5099				6.9		20.0			
Ethyl acetate	0.1606 0.2787	0.1710	0.1721	0.1858	0.2290	Qua	-0.539	0.2024	0.0002609						1.0000		0.9900
Isopropyl acetate	0.2935 0.5585	0.3042	0.3413	0.4070	0.4685	Qua	-1.381	0.4314	0.0004394						1.0000		0.9900
n-Propyl acetate	0.0481 0.1064	0.0579	0.0682	0.0744	0.0883	Qua	-0.248	0.0801	0.0000907						1.0000		0.9900
3,4-Dichloro-1-butene	0.2192 0.3582	0.2320	0.2560	0.2788	0.3142	Ave		0.2764				19.0		20.0			
Butyl acetate	+++++ 0.6291	0.4062	0.4963	0.5396	0.5717	Ave		0.5286				15.9		20.0			
cis-1,4-Dichloro-2-butene	0.1014 0.1628	0.1105	0.1203	0.1325	0.1471	Ave		0.1291				17.9		20.0			
2,3,4-Trichlorobutene	0.4022 0.6391	0.4222	0.4723	0.5002	0.5627	Ave		0.4998				17.8		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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 14:23 Calibration End Date: 10/13/2025 16:15 Calibration ID: 77547

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	0.3350 0.4331	0.3393	0.3536	0.3370	0.4324	Ave		0.3717				12.8		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-245374-1 | Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 14:23 | Calibration End Date: 10/13/2025 16:15 | Calibration ID: 77547

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-713065/3	LC13X02.D
Level 2	IC 410-713065/4	LC13X03.D
Level 3	IC 410-713065/5	LC13X04.D
Level 4	IC 410-713065/6	LC13X05.D
Level 5	IC 410-713065/7	LC13X06.D
Level 6	IC 410-713065/8	LC13X07.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	23699 1516942	53046	112518	261466	505092	4.00 300	10.0	20.0	50.0	100
Chlorodifluoromethane	TBAd10	Ave	39606 2343336	92172	185410	419864	821525	4.00 300	10.0	20.0	50.0	100
Freon 133a	FB	Ave	40887 2278039	94314	188252	428125	822925	4.00 300	10.0	20.0	50.0	100
Ethanol	TBAd10	Ave	+++++ 596623	35834	73779	91829	192428	+++++ 7499	500	1000	1250	2500
Acetonitrile	TBAd10	Ave	32576 1966728	73296	142010	329682	668019	20.0 1500	50.0	100	250	500
Vinyl acetate	FB	Ave	39820 3438737	100940	207020	504357	1126577	4.00 300	10.0	20.0	50.0	100
Ethyl acetate	FB	Qua	13334 1705319	36068	71109	190042	473095	4.00 300	10.0	20.0	50.0	100
Isopropyl acetate	FB	Qua	24367 3416775	64154	141072	416387	968009	4.00 300	10.0	20.0	50.0	100
n-Propyl acetate	FB	Qua	3994 651161	12219	28178	76116	182410	4.00 300	10.0	20.0	50.0	100
3,4-Dichloro-1-butene	CBZd5	Ave	12332 1457132	33131	71957	194373	435210	4.00 300	10.0	20.0	50.0	100
Butyl acetate	CBZd5	Ave	+++++ 2557464	57973	139461	375976	791633	+++++ 300	10.0	20.0	50.0	100
cis-1,4-Dichloro-2-butene	CBZd5	Ave	5700 662005	15769	33809	92284	203707	4.00 300	10.00	20.0	50.0	100.0
2,3,4-Trichlorobutene	DCBd4	Ave	15854 1705677	41516	91475	240808	526489	4.00 300	10.0	20.0	50.0	100
Pentachloroethane	DCBd4	Ave	13203 1155427	33349	68467	162185	404465	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.: 410-245374-1 | Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 | GC Column: R-624SilMS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 14:23 | Calibration End Date: 10/13/2025 16:15 | Calibration ID: 77547

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic 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.: 410-245374-1 | Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 | GC Column: R-624SilMS 3 ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 14:23 | Calibration End Date: 10/13/2025 16:15 | Calibration ID: 77547

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-713065/3	LC13X02.D
Level 2	IC 410-713065/4	LC13X03.D
Level 3	IC 410-713065/5	LC13X04.D
Level 4	IC 410-713065/6	LC13X05.D
Level 5	IC 410-713065/7	LC13X06.D
Level 6	IC 410-713065/8	LC13X07.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	10.0	-3.1	4.9	-1.5	-5.8	-4.5	50	30	30	30	30	30
Chlorodifluoromethane	11.5	3.9	8.3	-4.5	-8.6	-10.6	50	30	30	30	30	30
Freon 133a	14.3	3.8	5.8	-2.8	-7.5	-13.6	50	30	30	30	30	30
Ethanol	+++++	-5.4	0.8	-2.2	0.2	6.5		50	30	30	30	30
Acetonitrile	14.2	3.0	3.3	-6.6	-7.4	-6.6	50	30	30	30	30	30
Vinyl acetate	-5.9	-6.1	-1.8	-3.3	6.9	10.2	50	30	30	30	30	30
Ethyl acetate	44.8	9.6	-4.0	-8.3	2.3	0.0	50	30	30	30	30	30
Isopropyl acetate	47.2	1.5	-6.6	-3.9	1.3	0.0	50	30	30	30	30	30
n-Propyl acetate	36.8	2.2	-1.5	-5.9	1.6	0.0	50	30	30	30	30	30
3,4-Dichloro-1-butene	-20.7	-16.1	-7.4	0.9	13.7	29.6	50	30	30	30	30	30
Butyl acetate	+++++	-23.2	-6.1	2.1	8.2	19.0		50	30	30	30	30
cis-1,4-Dichloro-2-butene	-21.5	-14.4	-6.8	2.6	14.0	26.1	50	30	30	30	30	30
2,3,4-Trichlorobutene	-19.5	-15.5	-5.5	0.1	12.6	27.9	50	30	30	30	30	30
Pentachloroethane	-9.9	-8.7	-4.9	-9.4	16.3	16.5	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X02.D
Lims ID: IC sm v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 13-Oct-2025 14:23:42 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162959-003
Misc. Info.: IC SM V4
Operator ID: jml01693 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub58

Method: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 11:05:32 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: Y6ZN Date: 13-Oct-2025 16:38:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.830	1.830	0.000	90	23699	4.00	4.40	
4 Chlorodifluoromethane	51	1.878	1.882	-0.004	97	39606	4.00	4.46	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.242	2.248	-0.006	33	40887	4.00	4.57	
14 Ethanol	45	3.055	3.062	-0.007	90	29127	250.0	383.8	
24 Acetonitrile	41	3.763	3.801	-0.039	93	32576	20.0	22.8	
* 28 t-Butyl alcohol-d10 (IS)	65	4.090	4.084	0.006	49	206958	250.0	250.0	
37 Vinyl acetate	43	5.097	5.094	0.003	94	39820	4.00	3.76	
44 Ethyl acetate	43	6.004	5.994	0.010	80	13334	4.00	5.79	M
61 Isopropyl acetate	43	7.248	7.235	0.013	98	24367	4.00	5.89	M
* 63 Fluorobenzene (IS)	96	7.537	7.541	-0.004	99	1037826	50.0	50.0	
75 n-Propyl acetate	61	8.534	8.534	0.000	96	3994	4.00	5.47	
121 3,4-Dichloro-1-butene	75	10.335	10.332	0.003	84	12332	4.00	3.17	
123 n-Butyl acetate	43	10.476	10.476	0.000	98	19051	4.00	2.56	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	702862	50.0	50.0	
141 cis-1,4-Dichloro-2-butene	88	11.965	11.965	0.000	0	5700	4.00	3.14	
154 2,3,4-Trichlorobutene	109	12.431	12.431	0.000	0	15854	4.00	3.22	
156 Pentachloroethane	167	12.650	12.650	0.000	82	13203	4.00	3.61	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	492587	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00055	Amount Added:	2.00	Units: uL
MSV_CCV_LKB_00014	Amount Added:	2.00	Units: uL
MSV_V_SMFreon_00073	Amount Added:	1.00	Units: uL
MSV_CCV_Penta_00073	Amount Added:	2.00	Units: uL
MSV_HP23_ISO_00010	Amount Added:	1.00	Units: uL
MSV_CCV_ETOH_00011	Amount Added:	10.00	Units: uL

Report Date: 14-Oct-2025 11:05:32 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X02.D

Injection Date: 13-Oct-2025 14:23:42 Instrument ID: 9915 Operator ID: jml01693

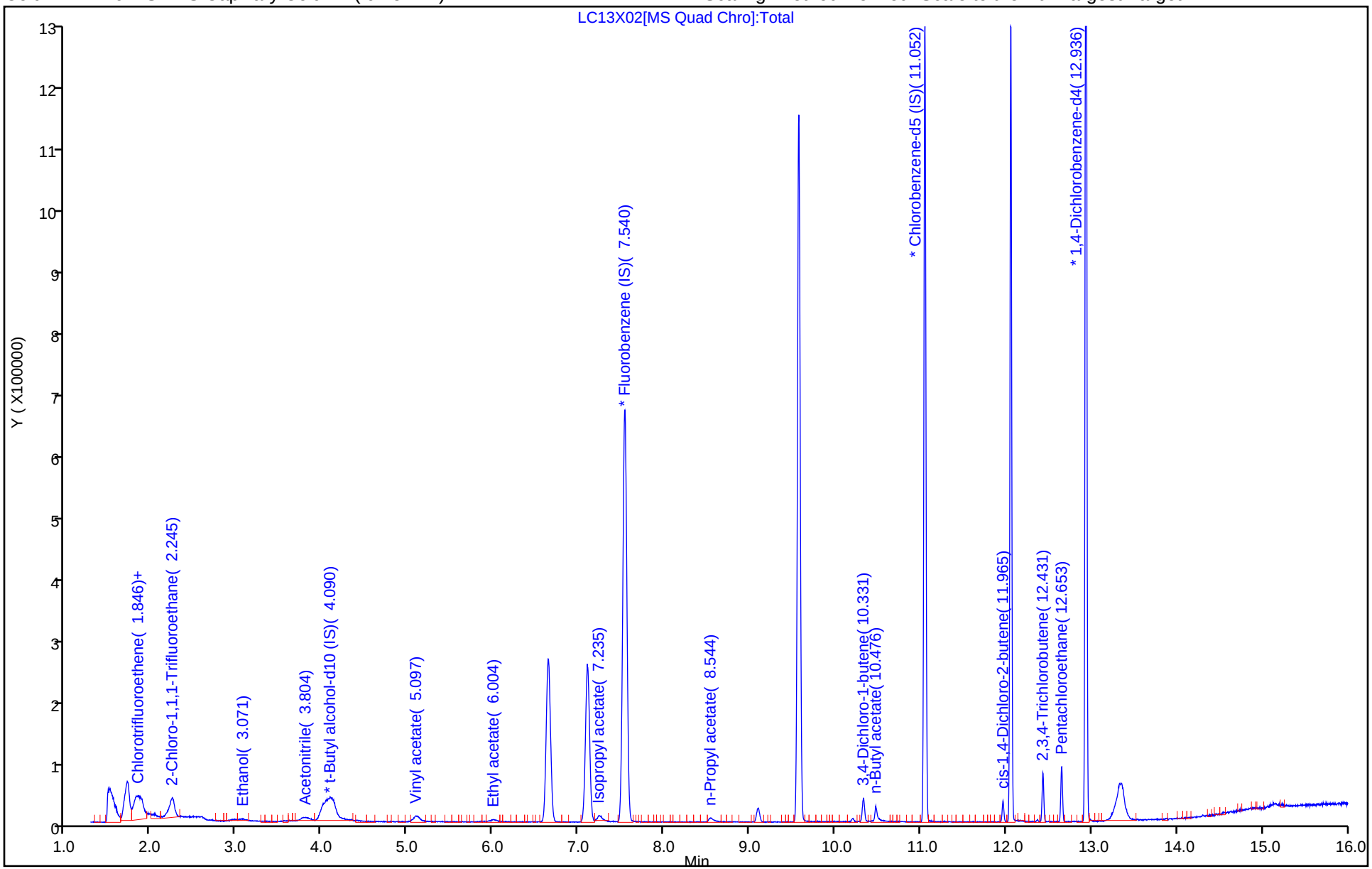
Lims ID: IC sm v4 Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSVoa_9915a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

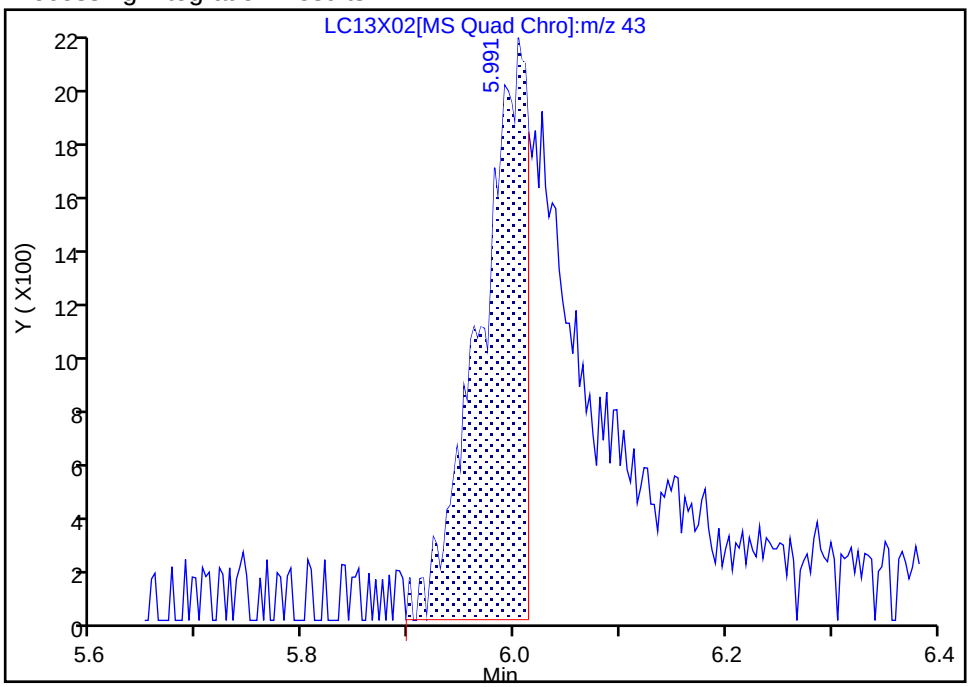
Data File:	\\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X02.D				
Injection Date:	13-Oct-2025 14:23:42	Instrument ID:	9915		
Lims ID:	IC sm v4				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

44 Ethyl acetate, CAS: 141-78-6

Signal: 1

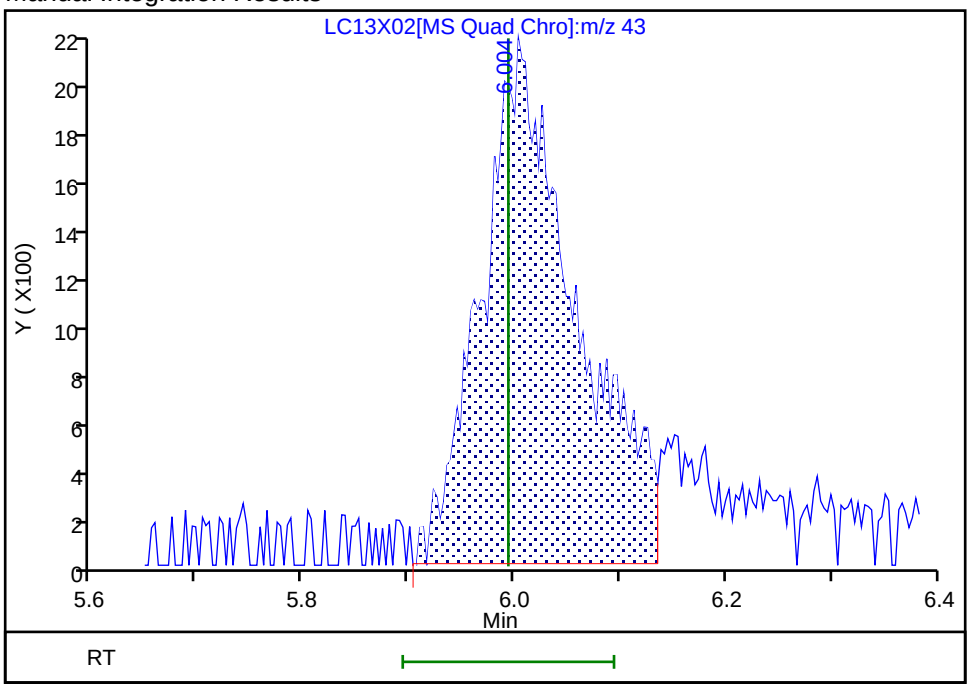
Processing Integration Results

RT: 5.99
Area: 6585
Amount: 5.421328
Amount Units: ug/l



Manual Integration Results

RT: 6.00
Area: 13334
Amount: 5.793701
Amount Units: ug/l



Reviewer: Y6ZN, 13-Oct-2025 16:38:06 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

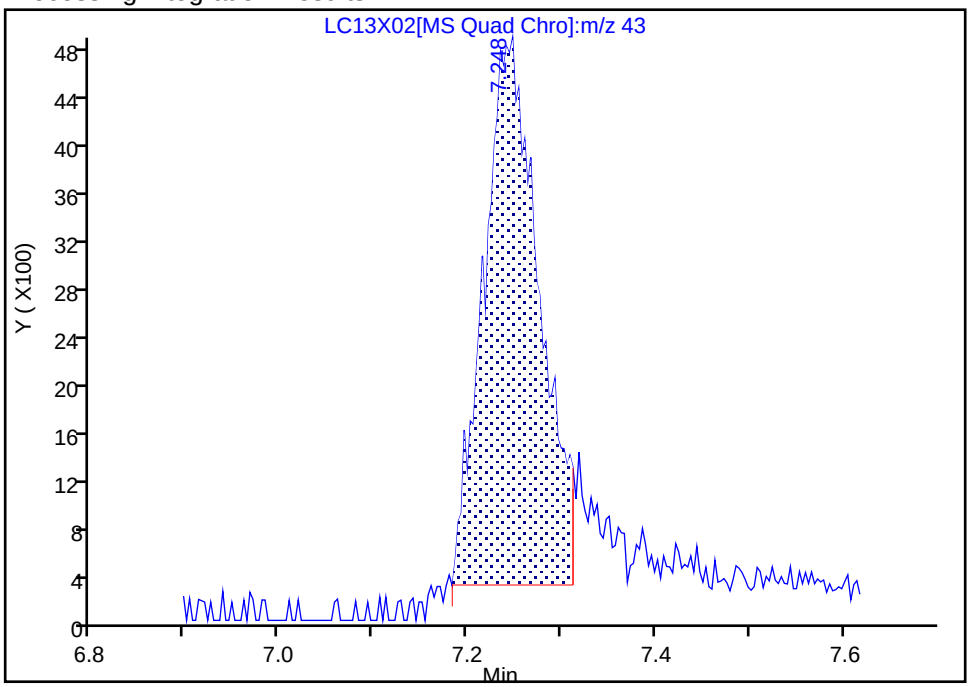
Data File:	\\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X02.D				
Injection Date:	13-Oct-2025 14:23:42	Instrument ID:	9915		
Lims ID:	IC sm v4				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

61 Isopropyl acetate, CAS: 108-21-4

Signal: 1

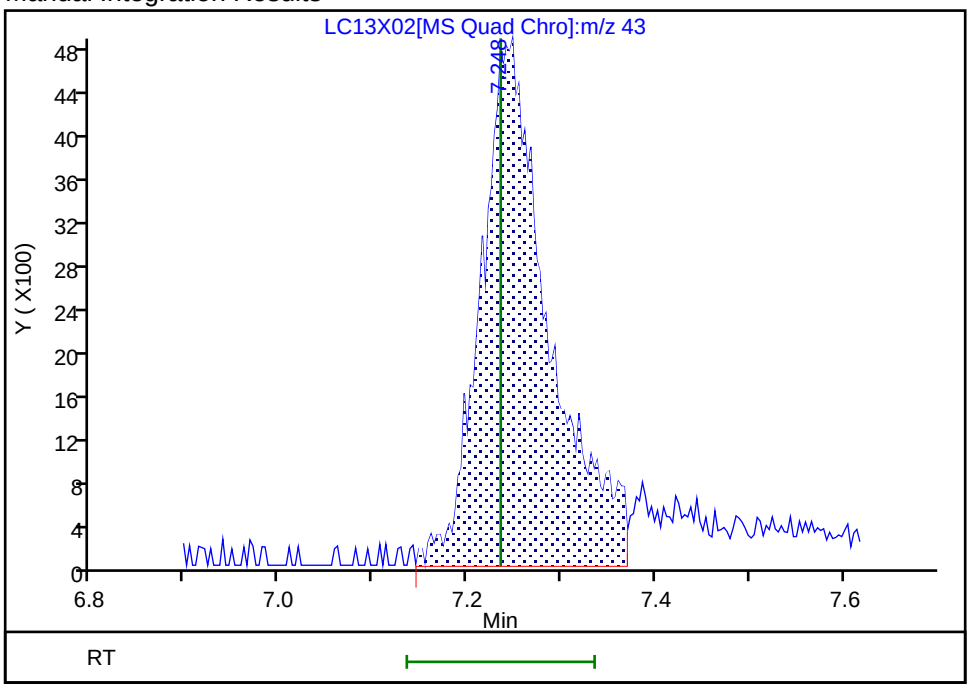
Processing Integration Results

RT: 7.25
Area: 18745
Amount: 4.731707
Amount Units: ug/l



Manual Integration Results

RT: 7.25
Area: 24367
Amount: 5.886449
Amount Units: ug/l



Reviewer: Y6ZN, 13-Oct-2025 16:38:30 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X03.D
Lims ID: IC sm v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 13-Oct-2025 14:46:08 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162959-004
Misc. Info.: IC SM V10
Operator ID: jml01693 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub58

Method: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 11:05:35 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: Y6ZN Date: 13-Oct-2025 16:39:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.830	1.830	0.000	91	53046	10.0	9.69	
4 Chlorodifluoromethane	51	1.898	1.882	0.016	97	92172	10.0	10.4	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.248	2.248	0.000	33	94314	10.0	10.4	
14 Ethanol	45	3.078	3.062	0.016	89	35834	500.0	472.9	
24 Acetonitrile	41	3.811	3.801	0.010	99	73296	50.0	51.5	
* 28 t-Butyl alcohol-d10 (IS)	65	4.104	4.084	0.020	1	206604	250.0	250.0	
37 Vinyl acetate	43	5.107	5.094	0.013	97	100940	10.0	9.39	
44 Ethyl acetate	43	6.007	5.994	0.013	94	36068	10.0	11.0	
61 Isopropyl acetate	43	7.245	7.235	0.010	98	64154	10.0	10.1	
* 63 Fluorobenzene (IS)	96	7.544	7.541	0.003	99	1054510	50.0	50.0	
75 n-Propyl acetate	61	8.544	8.534	0.010	98	12219	10.0	10.2	
121 3,4-Dichloro-1-butene	75	10.335	10.332	0.003	85	33131	10.0	8.40	
123 n-Butyl acetate	43	10.480	10.476	0.004	98	57973	10.0	7.68	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	713586	50.0	50.0	
141 cis-1,4-Dichloro-2-butene	88	11.965	11.965	0.000	0	15769	10.0	8.56	
154 2,3,4-Trichlorobutene	109	12.434	12.431	0.003	0	41516	10.0	8.45	
156 Pentachloroethane	167	12.650	12.650	0.000	84	33349	10.0	9.13	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	491457	50.0	50.0	

QC Flag Legend

Processing Flags

Reagents:

MSV_CCV_V5ACE_00055	Amount Added:	2.00	Units: uL
MSV_CCV_LKB_00014	Amount Added:	2.00	Units: uL
MSV_V_SMFreon_00073	Amount Added:	1.00	Units: uL
MSV_CCV_Penta_00073	Amount Added:	2.00	Units: uL
MSV_HP23_ISO_00010	Amount Added:	1.00	Units: uL
MSV_CCV_ETOH_00011	Amount Added:	8.00	Units: uL

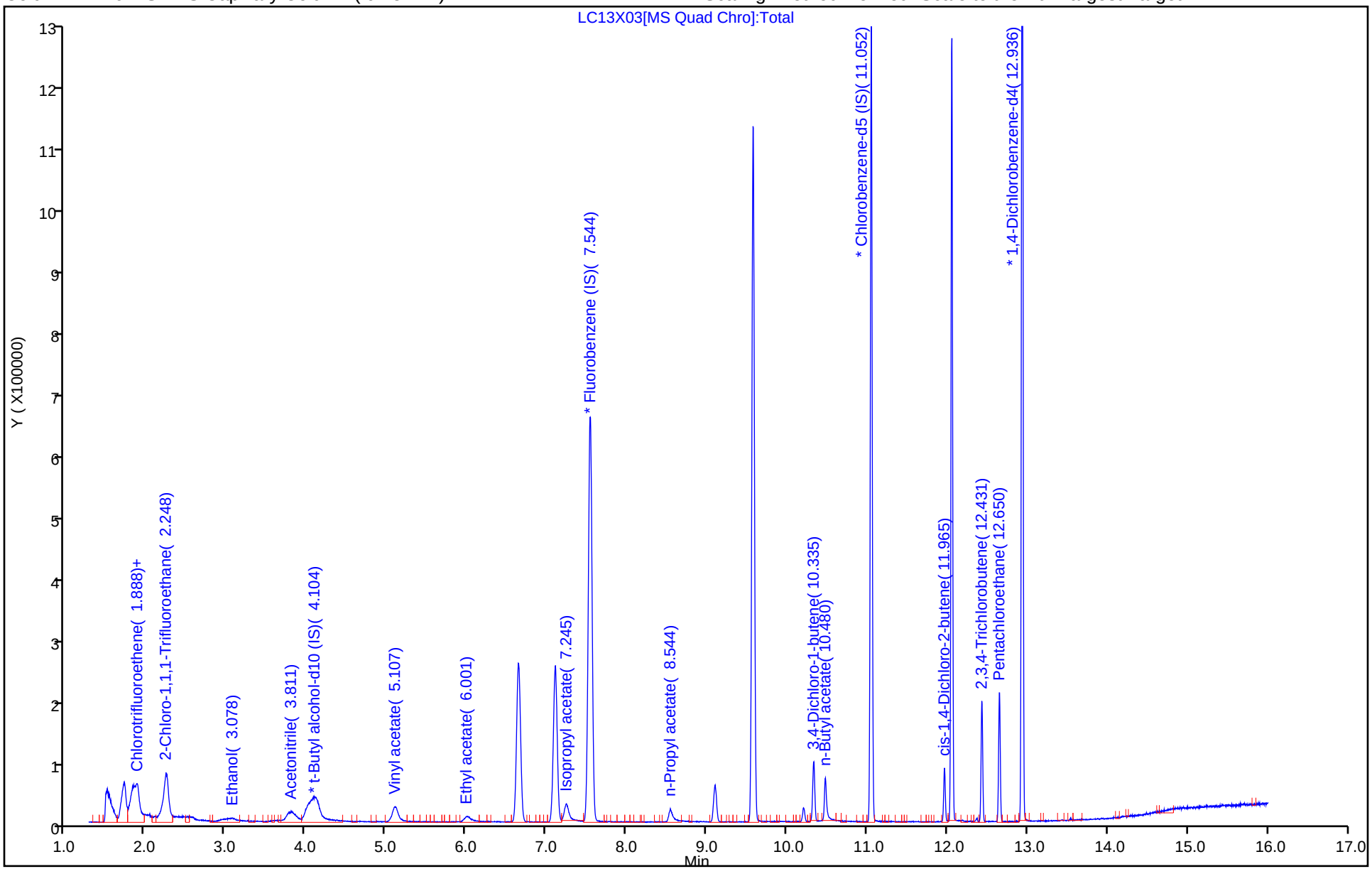
Report Date: 14-Oct-2025 11:05:35 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X03.D

Injection Date:	13-Oct-2025 14:46:08	Instrument ID:	9915	Operator ID:	jml01693
Lims ID:	IC sm v10			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X04.D
Lims ID: IC sm v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 13-Oct-2025 15:08:32 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162959-005
Misc. Info.: IC SM V20
Operator ID: jml01693 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub58

Method: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 11:05:38 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: Y6ZN Date: 13-Oct-2025 16:39:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.830	1.830	0.000	92	112518	20.0	21.0	
4 Chlorodifluoromethane	51	1.885	1.882	0.003	97	185410	20.0	21.7	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.248	2.248	0.000	50	188252	20.0	21.2	
14 Ethanol	45	3.065	3.062	0.003	95	73779	999.9	1008.3	
24 Acetonitrile	41	3.792	3.801	-0.009	100	142010	100.0	103.3	
* 28 t-Butyl alcohol-d10 (IS)	65	4.097	4.084	0.013	8	199517	250.0	250.0	
37 Vinyl acetate	43	5.094	5.094	0.000	98	207020	20.0	19.6	
44 Ethyl acetate	43	5.994	5.994	0.000	99	71109	20.0	19.2	
61 Isopropyl acetate	43	7.238	7.235	0.003	99	141072	20.0	18.7	
* 63 Fluorobenzene (IS)	96	7.541	7.541	0.000	99	1033225	50.0	50.0	
75 n-Propyl acetate	61	8.544	8.534	0.010	98	28178	20.0	19.7	
121 3,4-Dichloro-1-butene	75	10.335	10.332	0.003	87	71957	20.0	18.5	
123 n-Butyl acetate	43	10.479	10.476	0.003	98	139461	20.0	18.8	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	702471	50.0	50.0	
141 cis-1,4-Dichloro-2-butene	88	11.965	11.965	0.000	0	33809	20.0	18.6	
154 2,3,4-Trichlorobutene	109	12.431	12.431	0.000	0	91475	20.0	18.9	
156 Pentachloroethane	167	12.650	12.650	0.000	85	68467	20.0	19.0	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	484034	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00055	Amount Added:	4.00	Units: uL
MSV_CCV_LKB_00014	Amount Added:	4.00	Units: uL
MSV_V_SMFreon_00073	Amount Added:	2.00	Units: uL
MSV_CCV_Penta_00073	Amount Added:	4.00	Units: uL
MSV_HP23_ISO_00010	Amount Added:	1.00	Units: uL
MSV_CCV_ETOH_00011	Amount Added:	16.00	Units: uL

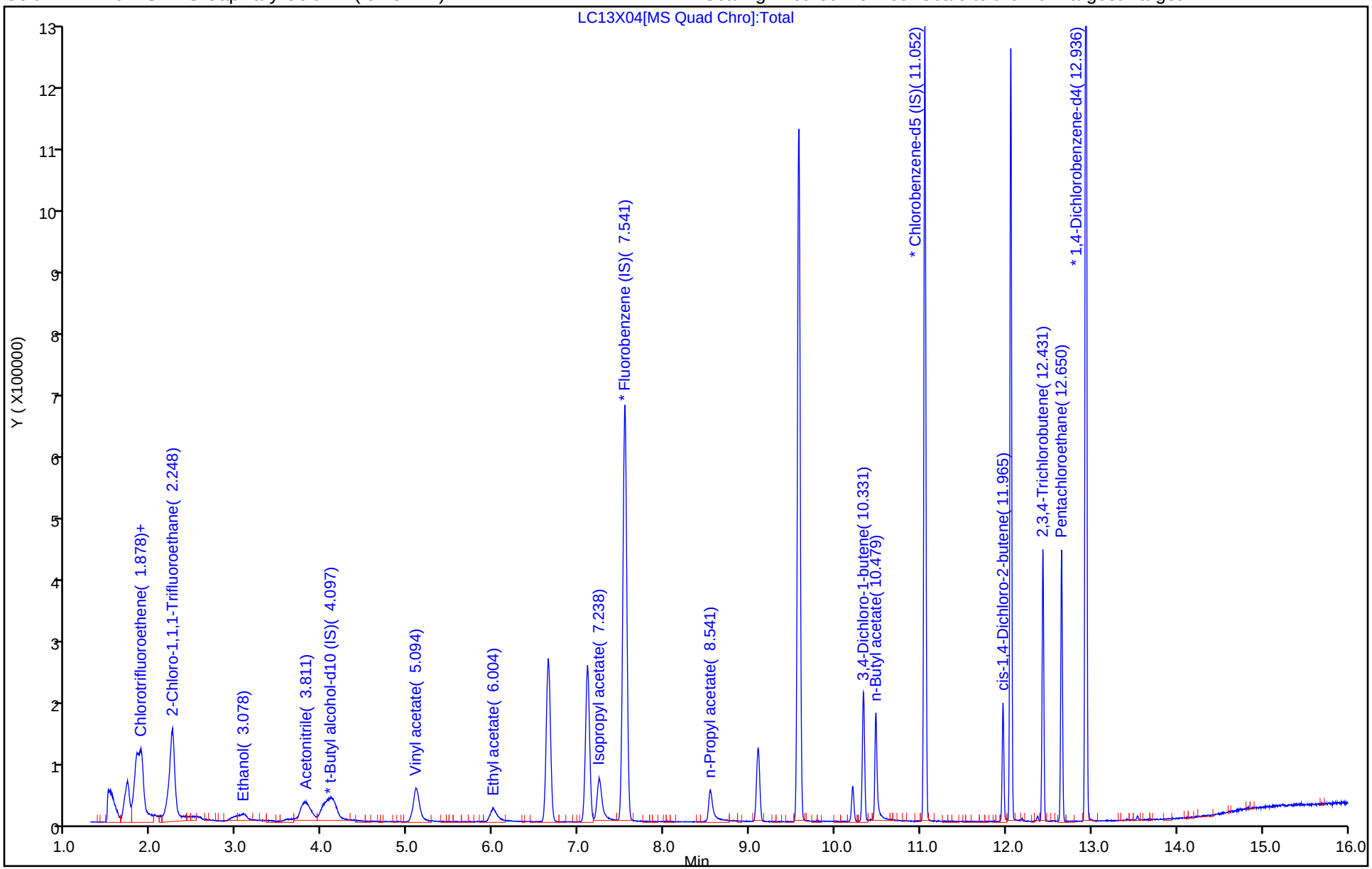
Report Date: 14-Oct-2025 11:05:38 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X04.D

Injection Date:	13-Oct-2025 15:08:32	Instrument ID:	9915	Operator ID:	jml01693
Lims ID:	IC sm v20			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X05.D
Lims ID: IC sm v50
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 13-Oct-2025 15:30:53 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162959-006
Misc. Info.: IC SM V50
Operator ID: jml01693 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub58

Method: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 11:05:42 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: Y6ZN Date: 13-Oct-2025 16:36:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.830	1.830	0.000	90	261466	50.0	49.2	
4 Chlorodifluoromethane	51	1.882	1.882	0.000	97	419864	50.0	47.8	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.248	2.248	0.000	46	428125	50.0	48.6	
14 Ethanol	45	3.062	3.062	0.000	96	91829	1249.9	1222.5	
24 Acetonitrile	41	3.801	3.801	0.000	98	329682	250.0	233.6	
* 28 t-Butyl alcohol-d10 (IS)	65	4.084	4.084	0.000	49	204818	250.0	250.0	
37 Vinyl acetate	43	5.094	5.094	0.000	97	504357	50.0	48.3	
44 Ethyl acetate	43	5.994	5.994	0.000	99	190042	50.0	45.9	
61 Isopropyl acetate	43	7.235	7.235	0.000	99	416387	50.0	48.0	
* 63 Fluorobenzene (IS)	96	7.541	7.541	0.000	99	1022945	50.0	50.0	
75 n-Propyl acetate	61	8.534	8.534	0.000	99	76116	50.0	47.1	
121 3,4-Dichloro-1-butene	75	10.332	10.332	0.000	89	194373	50.0	50.5	
123 n-Butyl acetate	43	10.476	10.476	0.000	98	375976	50.0	51.0	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	696782	50.0	50.0	
141 cis-1,4-Dichloro-2-butene	88	11.965	11.965	0.000	0	92284	50.0	51.3	
154 2,3,4-Trichlorobutene	109	12.431	12.431	0.000	0	240808	50.0	50.1	
156 Pentachloroethane	167	12.650	12.650	0.000	87	162185	50.0	45.3	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	481293	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00055	Amount Added:	5.00	Units: uL
MSV_CCV_LKB_00014	Amount Added:	5.00	Units: uL
MSV_V_SMFreon_00073	Amount Added:	2.50	Units: uL
MSV_CCV_Penta_00073	Amount Added:	5.00	Units: uL
MSV_HP23_ISO_00010	Amount Added:	1.00	Units: uL
MSV_CCV_ETOH_00011	Amount Added:	10.00	Units: uL

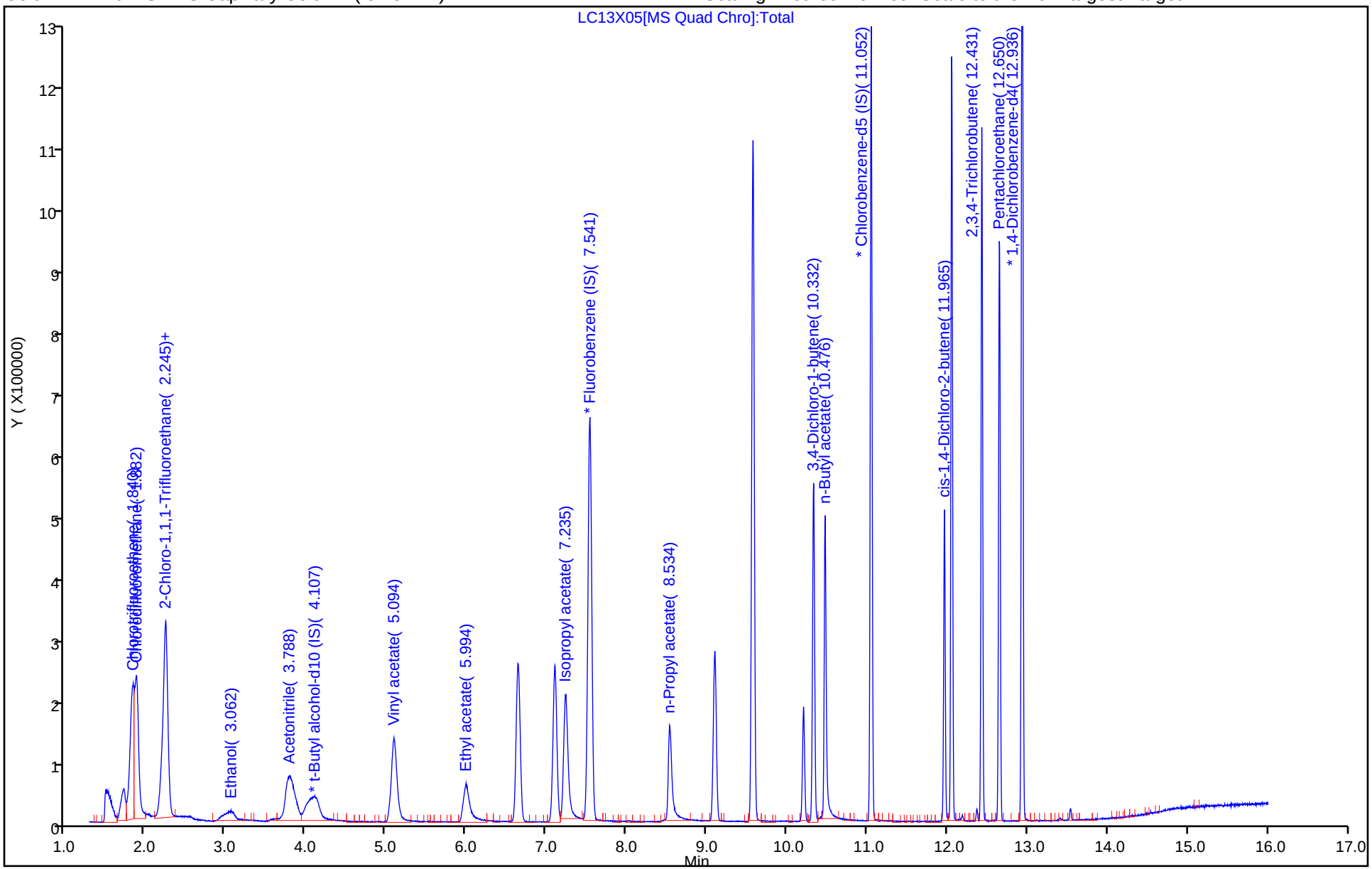
Report Date: 14-Oct-2025 11:05:42 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X05.D

Injection Date:	13-Oct-2025 15:30:53	Instrument ID:	9915	Operator ID:	jml01693
Lims ID:	IC sm v50			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X06.D
Lims ID: IC sm v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 13-Oct-2025 15:53:12 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162959-007
Misc. Info.: IC SM V100
Operator ID: jml01693 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub58

Method: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 11:05:47 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: Y6ZN Date: 13-Oct-2025 16:40:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.837	1.830	0.007	91	505092	100.0	94.2	
4 Chlorodifluoromethane	51	1.888	1.882	0.006	97	821525	100.0	91.4	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.248	2.248	0.000	51	822925	100.0	92.5	
14 Ethanol	45	3.074	3.062	0.012	98	192428	2499.8	2505.7	
24 Acetonitrile	41	3.801	3.801	0.000	99	668019	500.0	463.0	
* 28 t-Butyl alcohol-d10 (IS)	65	4.113	4.084	0.029	9	209404	250.0	250.0	
37 Vinyl acetate	43	5.097	5.094	0.003	97	1126577	100.0	106.9	
44 Ethyl acetate	43	5.994	5.994	0.000	99	473095	100.0	102.3	
61 Isopropyl acetate	43	7.232	7.235	-0.003	98	968009	100.0	101.3	
* 63 Fluorobenzene (IS)	96	7.544	7.541	0.003	99	1033174	50.0	50.0	
75 n-Propyl acetate	61	8.537	8.534	0.003	98	182410	100.0	101.6	
121 3,4-Dichloro-1-butene	75	10.331	10.332	-0.001	90	435210	100.0	113.7	
123 n-Butyl acetate	43	10.473	10.476	-0.003	98	791633	100.0	108.2	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	692337	50.0	50.0	
141 cis-1,4-Dichloro-2-butene	88	11.965	11.965	0.000	0	203707	100.0	113.9	
154 2,3,4-Trichlorobutene	109	12.431	12.431	0.000	0	526489	100.0	112.6	
156 Pentachloroethane	167	12.653	12.650	0.003	88	404465	100.0	116.3	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	467644	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00055	Amount Added:	5.00	Units: uL
MSV_CCV_LKB_00014	Amount Added:	5.00	Units: uL
MSV_V_SMFreon_00073	Amount Added:	2.50	Units: uL
MSV_CCV_Penta_00073	Amount Added:	5.00	Units: uL
MSV_HP23_ISO_00010	Amount Added:	1.00	Units: uL
MSV_CCV_ETOH_00011	Amount Added:	10.00	Units: uL

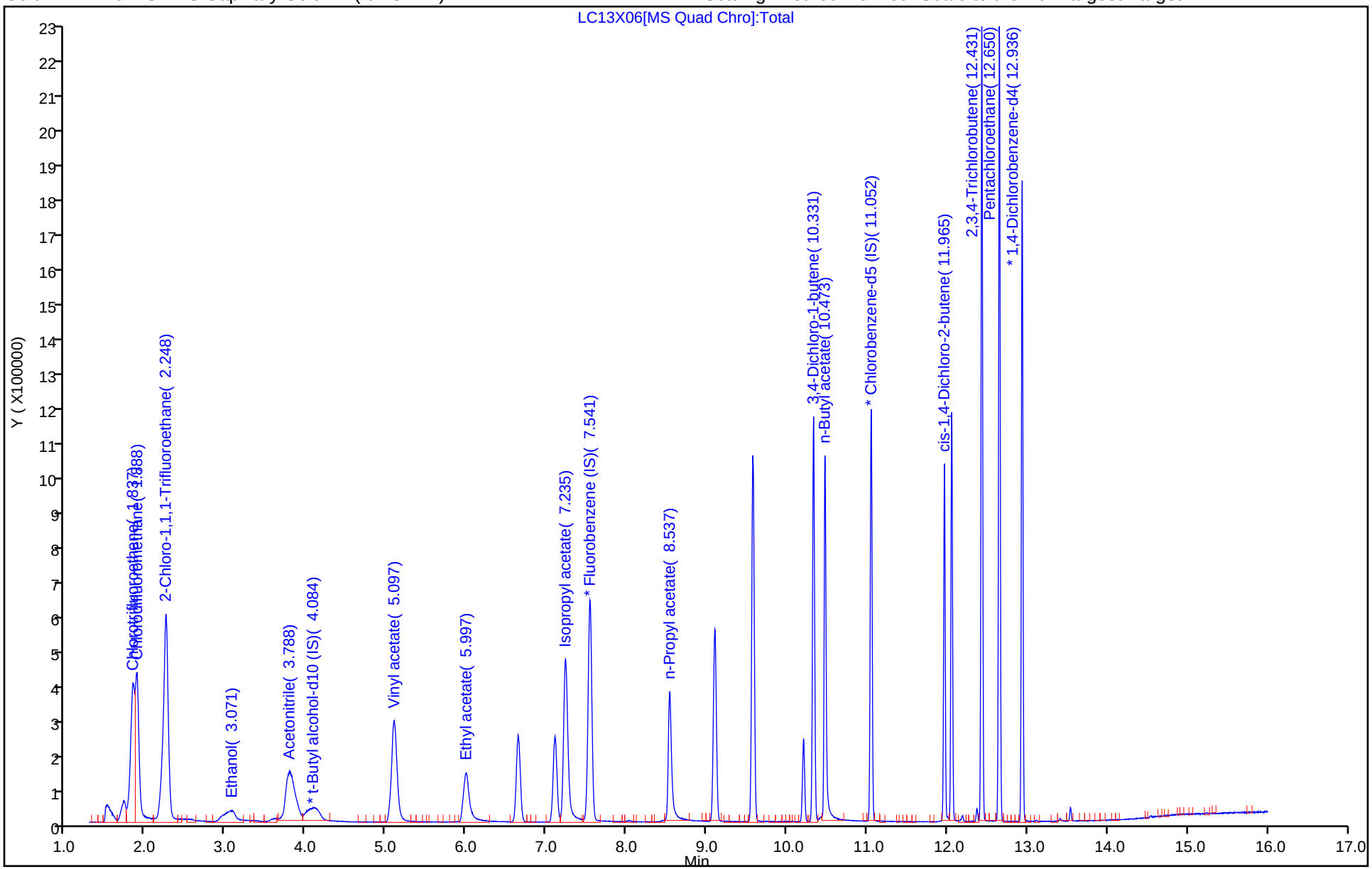
Report Date: 14-Oct-2025 11:05:47 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X06.D

Injection Date:	13-Oct-2025 15:53:12	Instrument ID:	9915	Operator ID:	jml01693
Lims ID:	IC sm v100			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X07.D
Lims ID: IC sm v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 13-Oct-2025 16:15:33 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162959-008
Misc. Info.: IC SM V300
Operator ID: jml01693 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub58

Method: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 11:05:49 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: Y6ZN Date: 13-Oct-2025 16:43:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.837	1.830	0.007	94	1516942	300.0	286.6	
4 Chlorodifluoromethane	51	1.888	1.882	0.006	97	2343336	300.0	268.1	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.251	2.248	0.003	44	2278039	300.0	259.3	
14 Ethanol	45	3.055	3.062	-0.007	99	596623	7499.5	7989.0	
24 Acetonitrile	41	3.779	3.801	-0.022	100	1966728	1500.0	1401.7	
* 28 t-Butyl alcohol-d10 (IS)	65	4.100	4.084	0.016	1	203633	250.0	250.0	
37 Vinyl acetate	43	5.087	5.094	-0.007	97	3438737	300.0	330.7	
44 Ethyl acetate	43	5.988	5.994	-0.006	99	1705319	300.0	299.9	
61 Isopropyl acetate	43	7.232	7.235	-0.003	98	3416775	300.0	299.9	
* 63 Fluorobenzene (IS)	96	7.541	7.541	0.000	99	1019711	50.0	50.0	
75 n-Propyl acetate	61	8.534	8.534	0.000	98	651161	300.0	299.9	
121 3,4-Dichloro-1-butene	75	10.331	10.332	-0.001	91	1457132	300.1	389.0	
123 n-Butyl acetate	43	10.473	10.476	-0.003	99	2557464	300.0	357.0	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	677597	50.0	50.0	
141 cis-1,4-Dichloro-2-butene	88	11.965	11.965	0.000	0	662005	300.0	378.4	
154 2,3,4-Trichlorobutene	109	12.431	12.431	0.000	0	1705677	300.1	383.8	
156 Pentachloroethane	167	12.653	12.650	0.003	90	1155427	300.0	349.5	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	444643	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00055	Amount Added:	15.00	Units: uL
MSV_CCV_LKB_00014	Amount Added:	15.00	Units: uL
MSV_V_SMFreon_00073	Amount Added:	7.50	Units: uL
MSV_CCV_Penta_00073	Amount Added:	15.00	Units: uL
MSV_HP23_ISO_00010	Amount Added:	1.00	Units: uL
MSV_CCV_ETOH_00011	Amount Added:	30.00	Units: uL

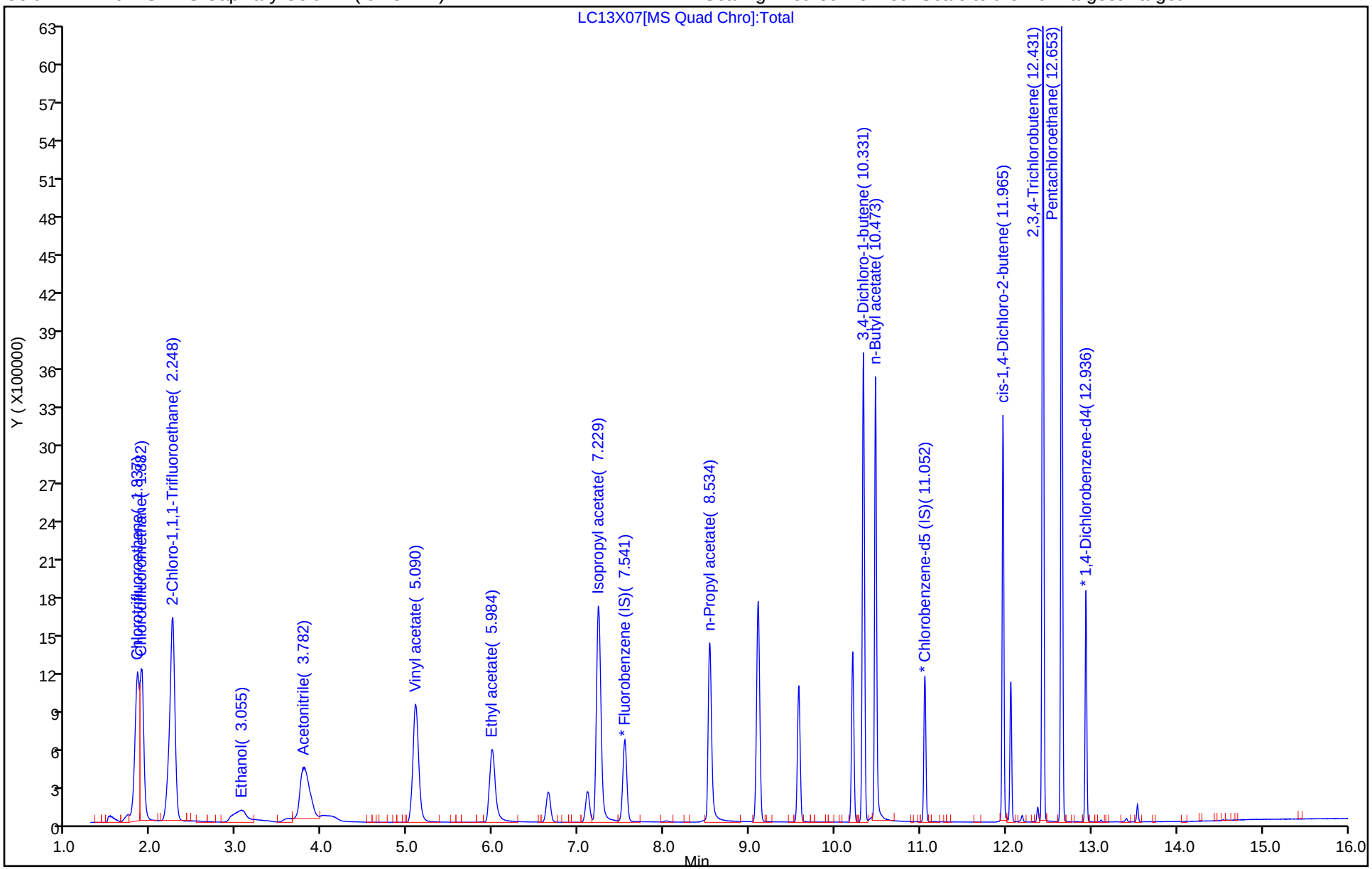
Report Date: 14-Oct-2025 11:05:50 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X07.D

Injection Date:	13-Oct-2025 16:15:33	Instrument ID:	9915	Operator ID:	jml01693
Lims ID:	IC sm v300			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Calibration / Chlorotrifluoroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

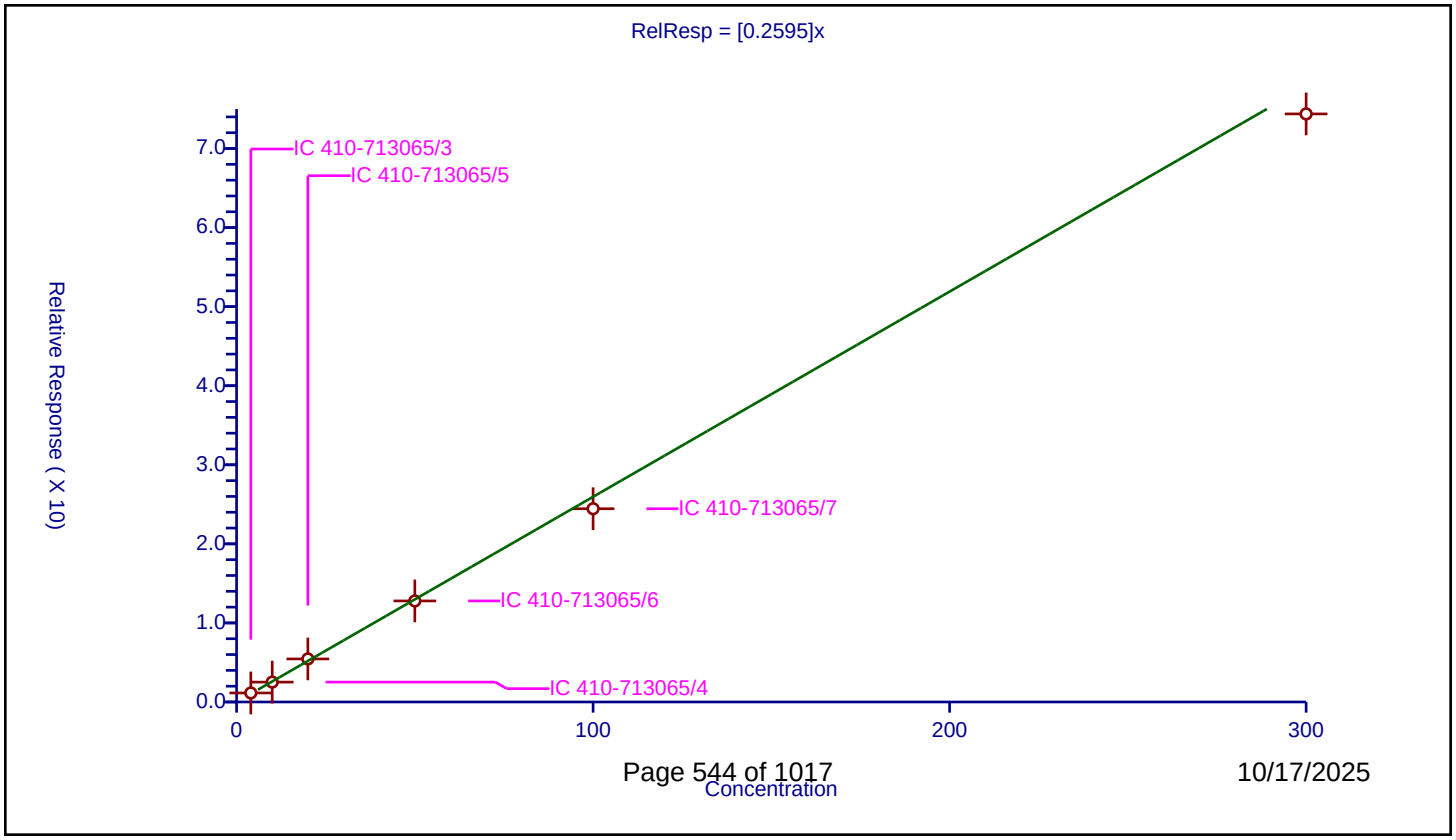
Curve Coefficients

Intercept:	0
Slope:	0.2595

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/3	4.0	1.141762	50.0	1037826.0	0.28544	Y
2	IC 410-713065/4	10.0	2.515197	50.0	1054510.0	0.25152	Y
3	IC 410-713065/5	20.0	5.44499	50.0	1033225.0	0.27225	Y
4	IC 410-713065/6	50.0	12.780061	50.0	1022945.0	0.255601	Y
5	IC 410-713065/7	100.0	24.443705	50.0	1033174.0	0.244437	Y
6	IC 410-713065/8	300.0	74.380977	50.0	1019711.0	0.247937	Y



Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

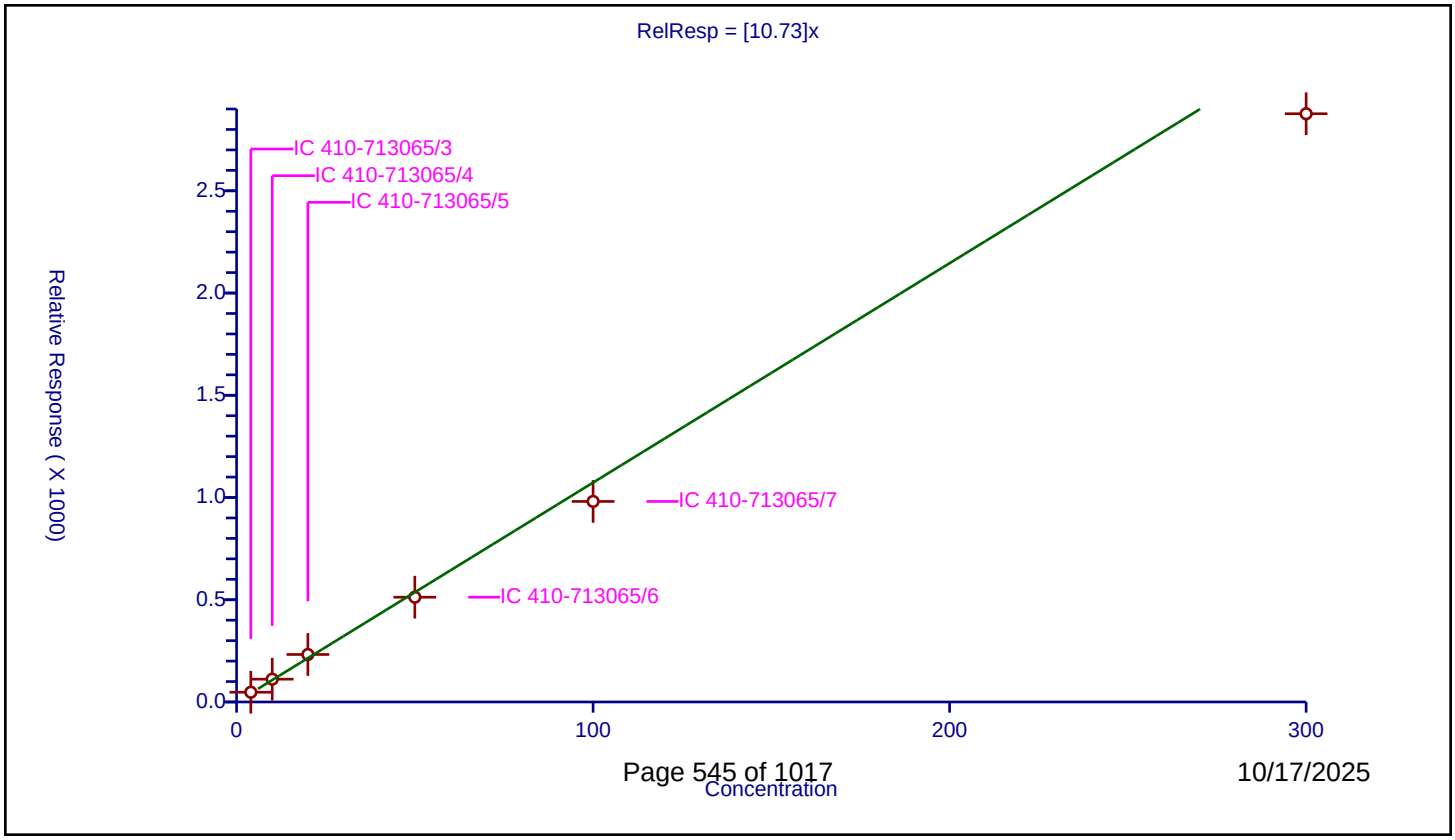
Curve Coefficients

Intercept:	0
Slope:	10.73

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/3	4.0	47.843041	250.0	206958.0	11.96076	Y
2	IC 410-713065/4	10.0	111.532207	250.0	206604.0	11.153221	Y
3	IC 410-713065/5	20.0	232.323561	250.0	199517.0	11.616178	Y
4	IC 410-713065/6	50.0	512.484254	250.0	204818.0	10.249685	Y
5	IC 410-713065/7	100.0	980.789526	250.0	209404.0	9.807895	Y
6	IC 410-713065/8	300.0	2876.910913	250.0	203633.0	9.589703	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

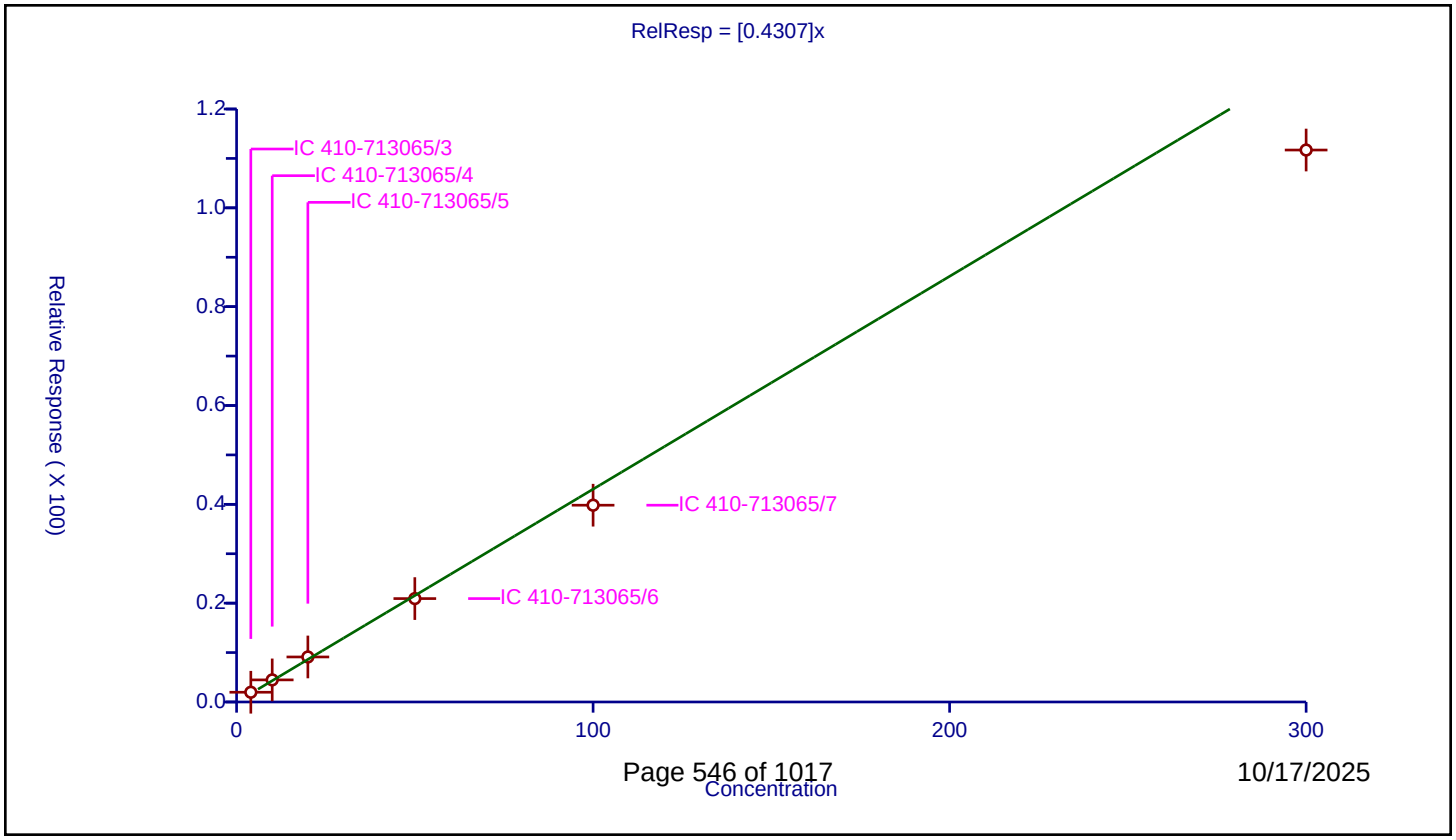
Curve Coefficients

Intercept:	0
Slope:	0.4307

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/3	4.0	1.969839	50.0	1037826.0	0.49246	Y
2	IC 410-713065/4	10.0	4.471935	50.0	1054510.0	0.447193	Y
3	IC 410-713065/5	20.0	9.109923	50.0	1033225.0	0.455496	Y
4	IC 410-713065/6	50.0	20.926101	50.0	1022945.0	0.418522	Y
5	IC 410-713065/7	100.0	39.825092	50.0	1033174.0	0.398251	Y
6	IC 410-713065/8	300.0	111.700227	50.0	1019711.0	0.372334	Y



Calibration / Ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

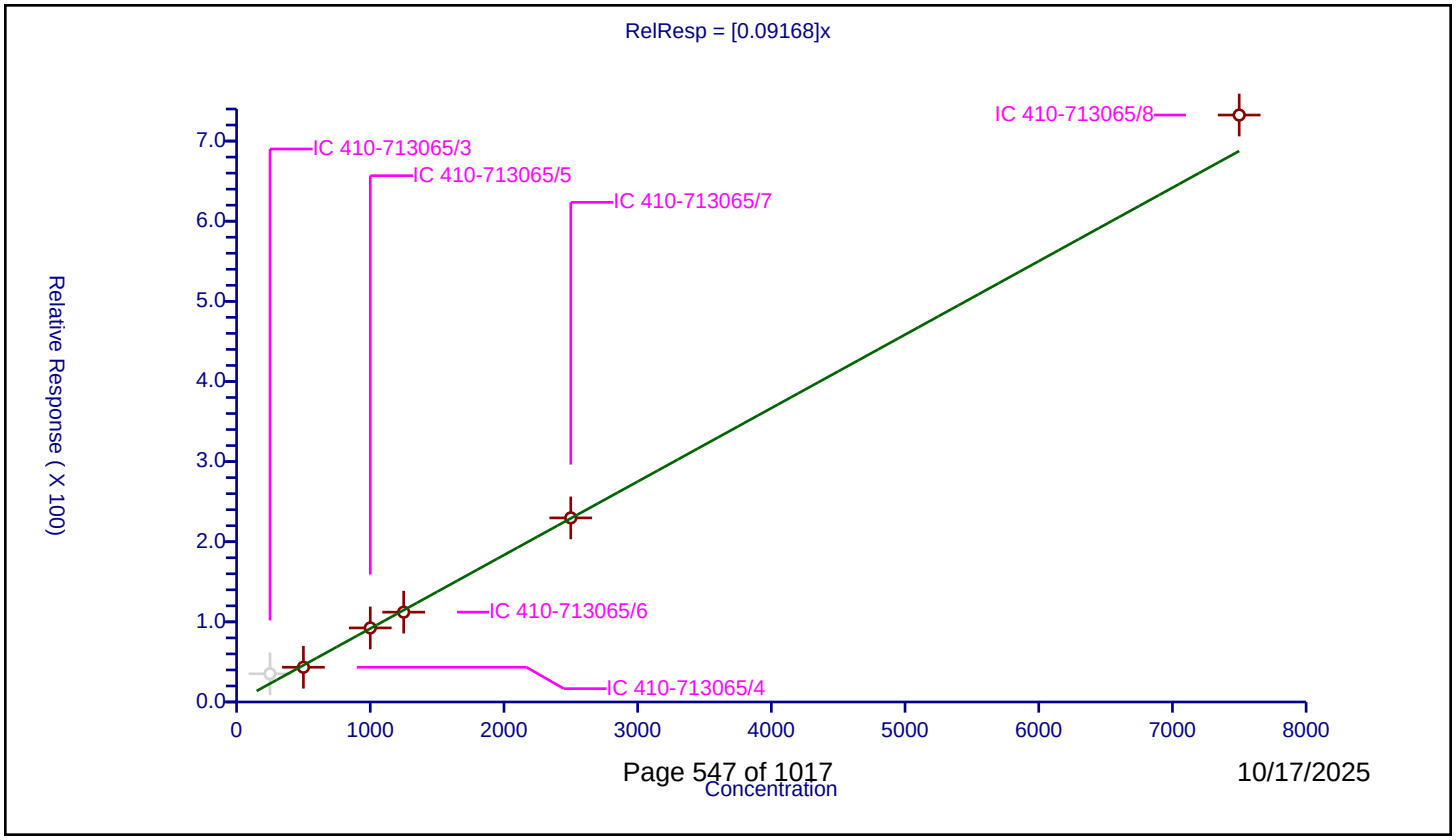
Curve Coefficients

Intercept:	0
Slope:	0.09168

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/3	249.98316	35.184675	250.0	206958.0	0.140748	N
2	IC 410-713065/4	499.96632	43.360729	250.0	206604.0	0.086727	Y
3	IC 410-713065/5	999.93264	92.44701	250.0	199517.0	0.092453	Y
4	IC 410-713065/6	1249.9158	112.086096	250.0	204818.0	0.089675	Y
5	IC 410-713065/7	2499.8316	229.732956	250.0	209404.0	0.091899	Y
6	IC 410-713065/8	7499.4948	732.473371	250.0	203633.0	0.09767	Y



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

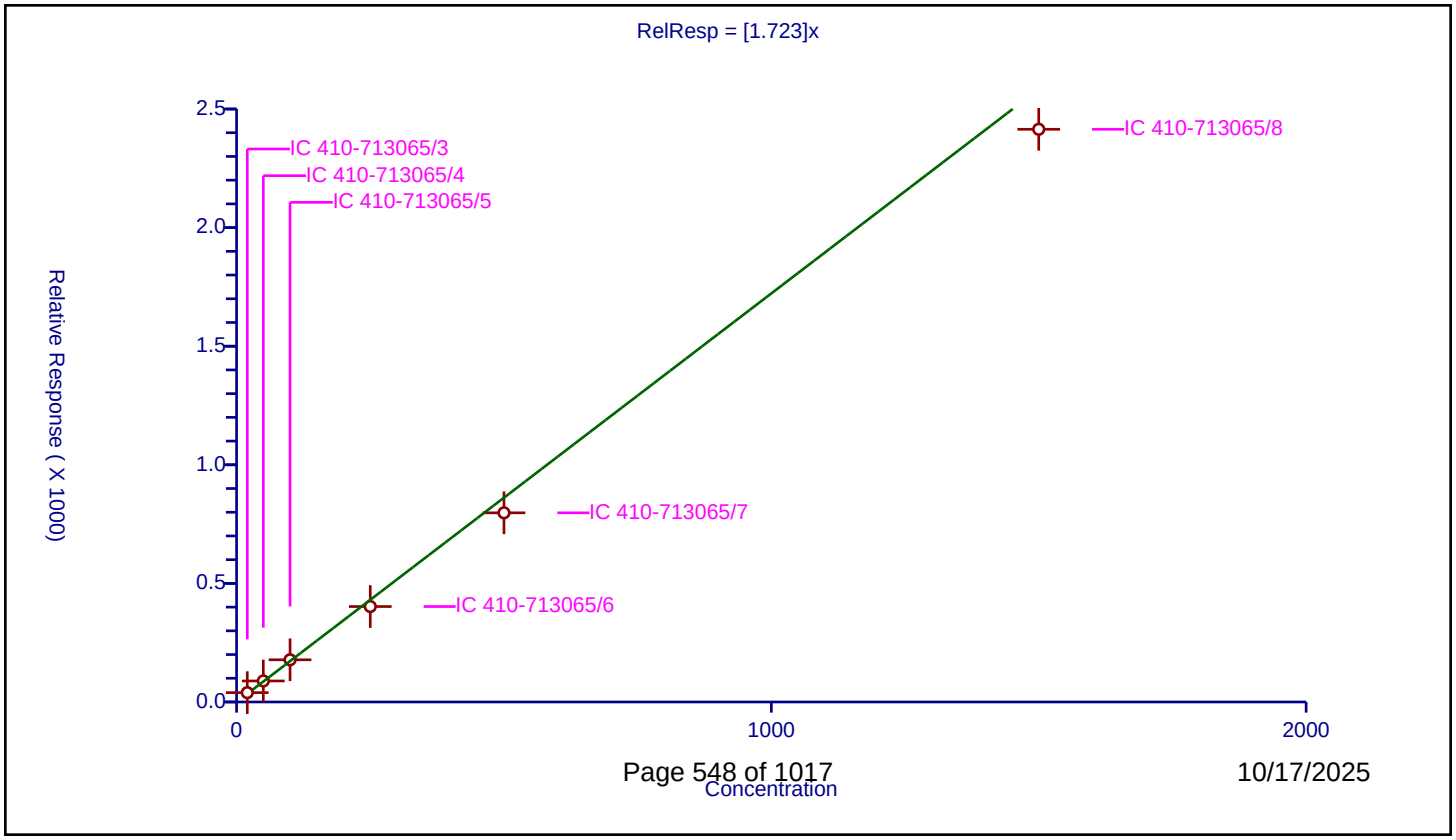
Curve Coefficients

Intercept:	0
Slope:	1.723

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/3	20.0	39.350979	250.0	206958.0	1.967549	Y
2	IC 410-713065/4	50.0	88.69141	250.0	206604.0	1.773828	Y
3	IC 410-713065/5	100.0	177.94223	250.0	199517.0	1.779422	Y
4	IC 410-713065/6	250.0	402.40848	250.0	204818.0	1.609634	Y
5	IC 410-713065/7	500.0	797.524164	250.0	209404.0	1.595048	Y
6	IC 410-713065/8	1500.0	2414.549705	250.0	203633.0	1.6097	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

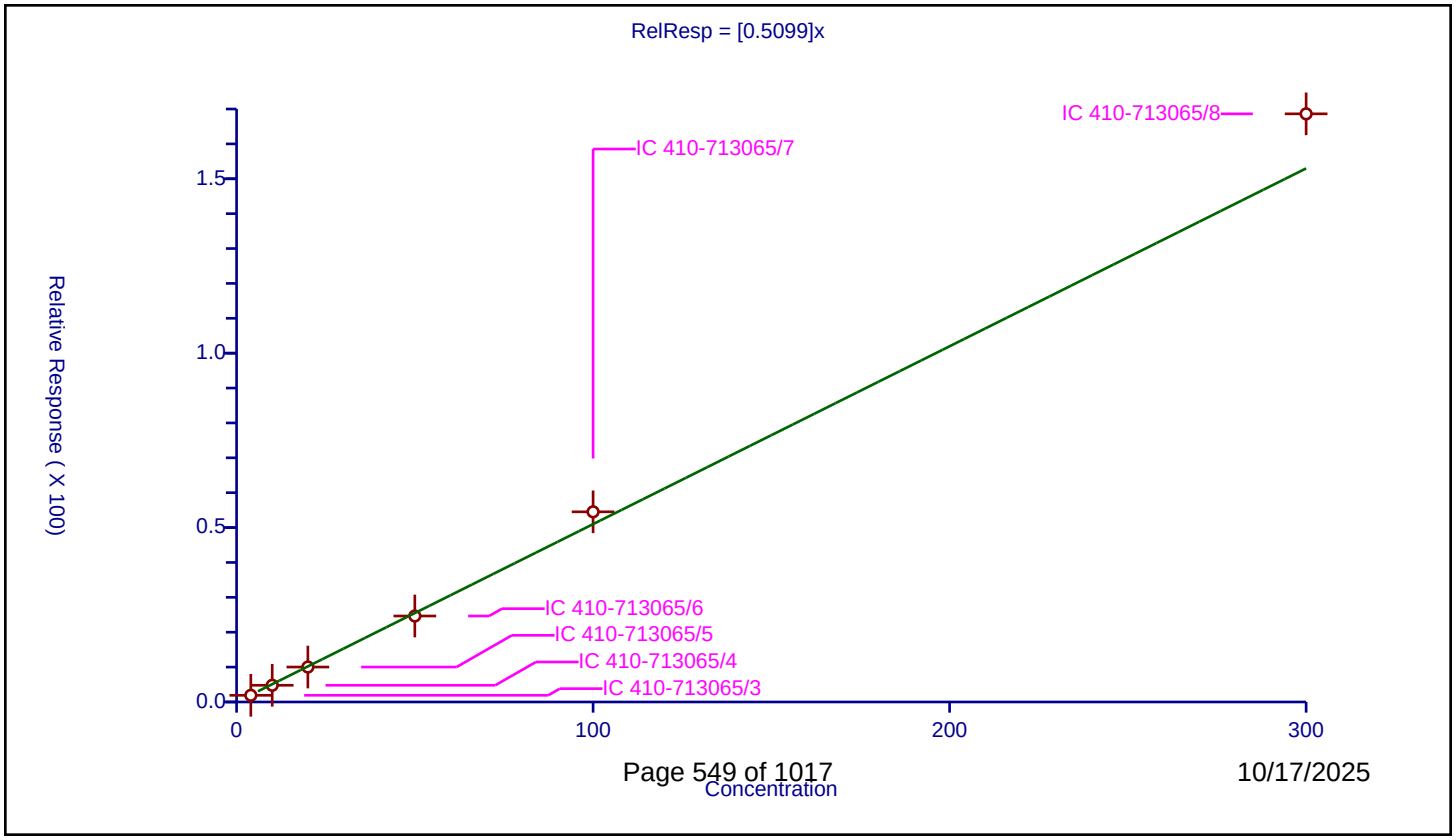
Curve Coefficients

Intercept:	0
Slope:	0.5099

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/3	4.0	1.918433	50.0	1037826.0	0.479608	Y
2	IC 410-713065/4	10.0	4.786109	50.0	1054510.0	0.478611	Y
3	IC 410-713065/5	20.0	10.018147	50.0	1033225.0	0.500907	Y
4	IC 410-713065/6	50.0	24.652205	50.0	1022945.0	0.493044	Y
5	IC 410-713065/7	100.0	54.520197	50.0	1033174.0	0.545202	Y
6	IC 410-713065/8	300.0	168.613313	50.0	1019711.0	0.562044	Y



Calibration / Ethyl acetate

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

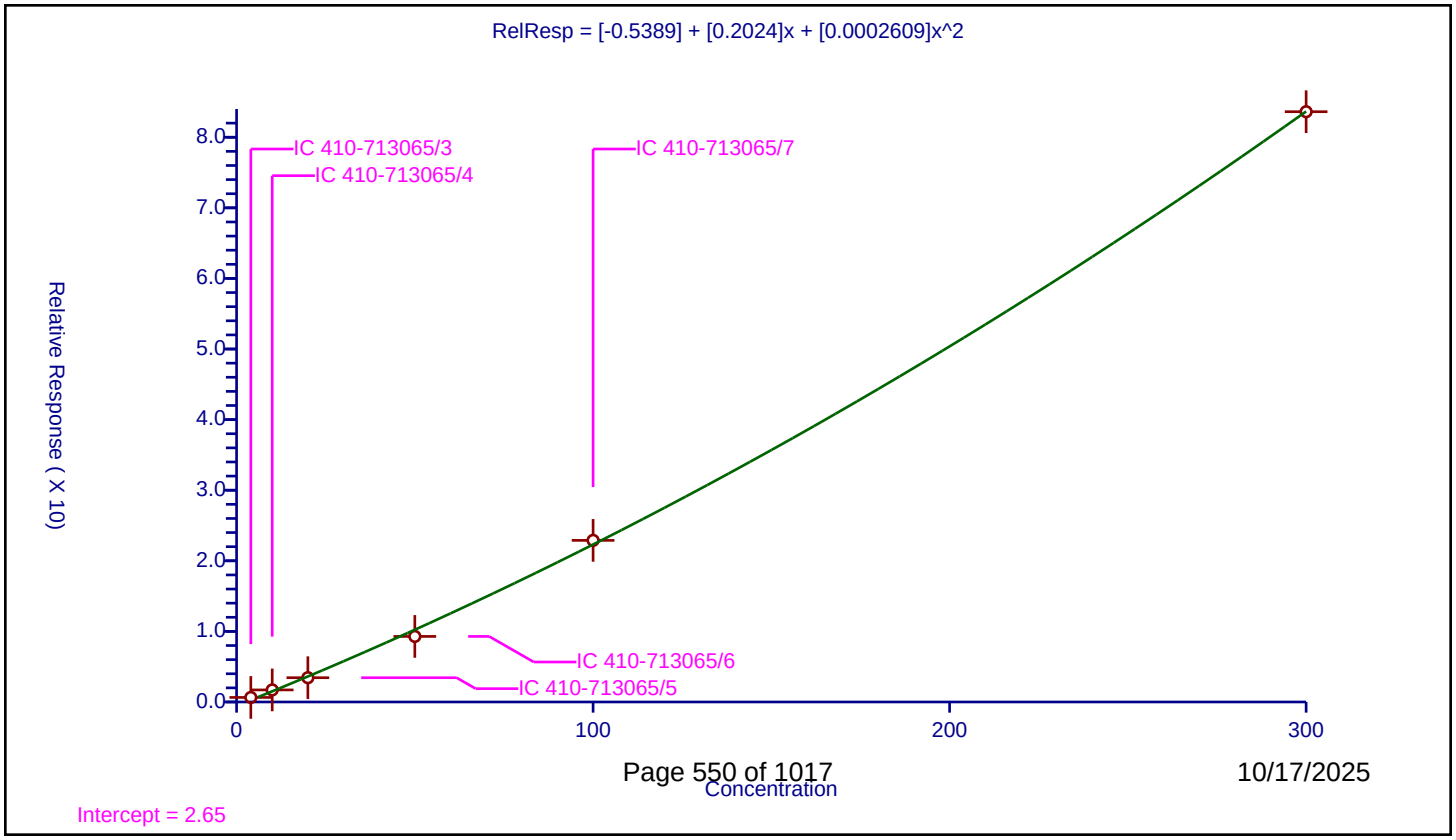
Curve Coefficients

Intercept:	-0.5389
Slope:	0.2024
Second Order:	0.0002609

Error Coefficients

Relative Standard Deviation:	27.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/3	4.0	0.642401	50.0	1037826.0	0.1606	Y
2	IC 410-713065/4	10.0	1.710178	50.0	1054510.0	0.171018	Y
3	IC 410-713065/5	20.0	3.441119	50.0	1033225.0	0.172056	Y
4	IC 410-713065/6	50.0	9.288965	50.0	1022945.0	0.185779	Y
5	IC 410-713065/7	100.0	22.895224	50.0	1033174.0	0.228952	Y
6	IC 410-713065/8	300.0	83.61776	50.0	1019711.0	0.278726	Y



Calibration / Isopropyl acetate

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

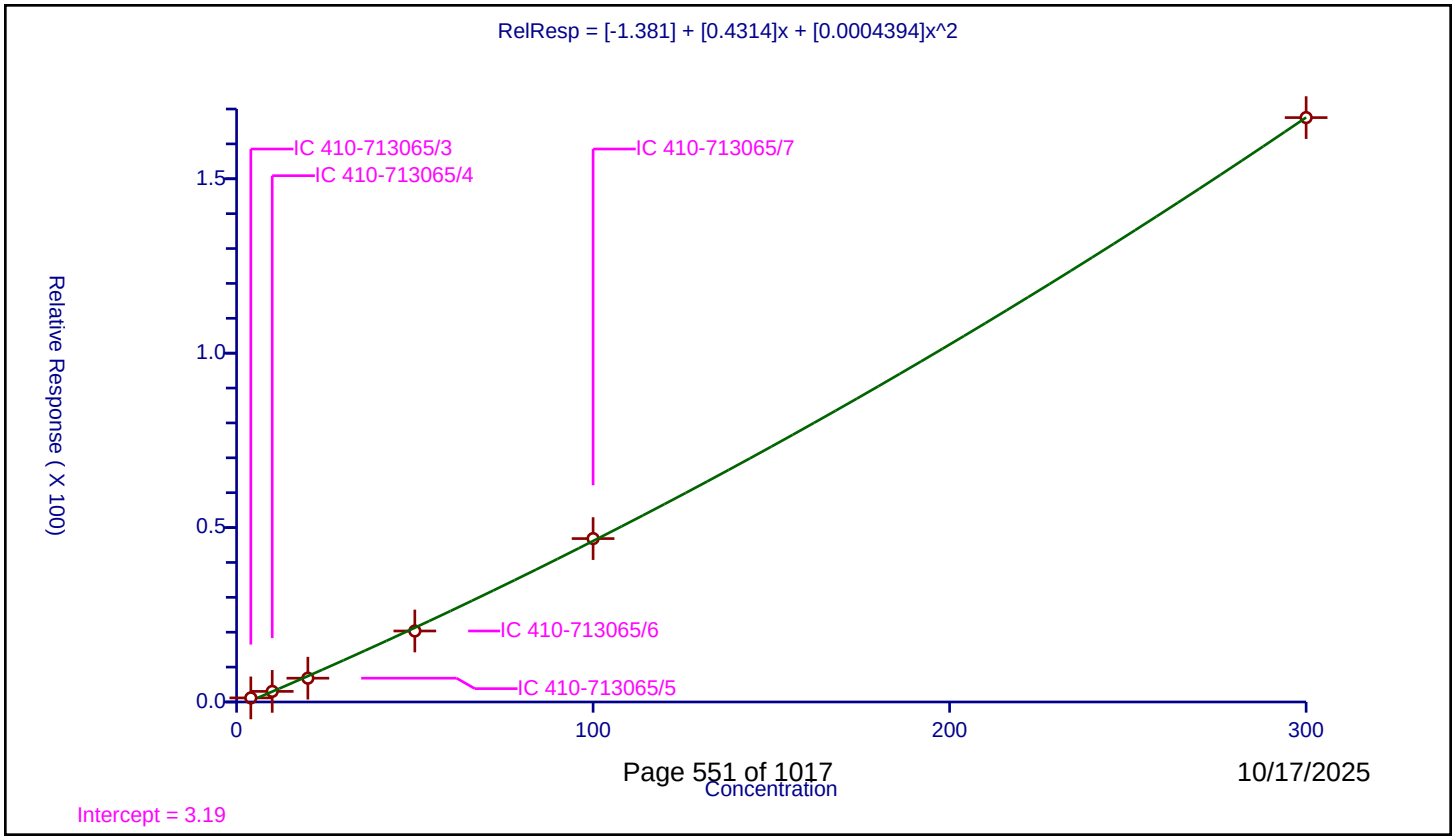
Curve Coefficients

Intercept:	-1.381
Slope:	0.4314
Second Order:	0.0004394

Error Coefficients

Relative Standard Deviation:	27.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/3	4.0	1.173944	50.0	1037826.0	0.293486	Y
2	IC 410-713065/4	10.0	3.041887	50.0	1054510.0	0.304189	Y
3	IC 410-713065/5	20.0	6.82678	50.0	1033225.0	0.341339	Y
4	IC 410-713065/6	50.0	20.352365	50.0	1022945.0	0.407047	Y
5	IC 410-713065/7	100.0	46.846369	50.0	1033174.0	0.468464	Y
6	IC 410-713065/8	300.0	167.536439	50.0	1019711.0	0.558455	Y



Calibration / n-Propyl acetate

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

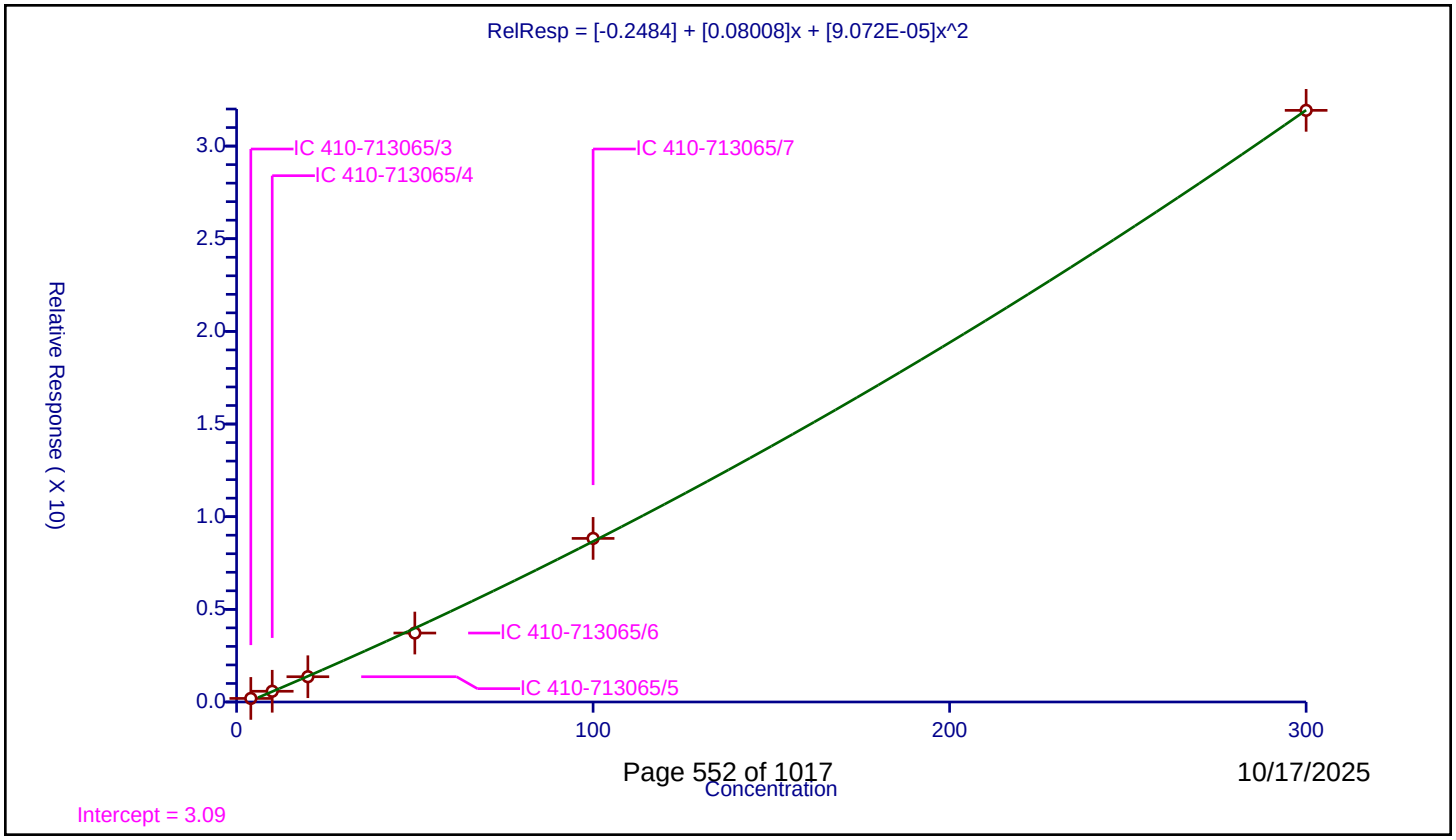
Curve Coefficients

Intercept:	-0.2484
Slope:	0.08008
Second Order:	9.072E-05

Error Coefficients

Relative Standard Deviation:	21.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/3	4.0	0.192421	50.0	1037826.0	0.048105	Y
2	IC 410-713065/4	10.0	0.579369	50.0	1054510.0	0.057937	Y
3	IC 410-713065/5	20.0	1.363595	50.0	1033225.0	0.06818	Y
4	IC 410-713065/6	50.0	3.720435	50.0	1022945.0	0.074409	Y
5	IC 410-713065/7	100.0	8.827651	50.0	1033174.0	0.088277	Y
6	IC 410-713065/8	300.0	31.928703	50.0	1019711.0	0.106429	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

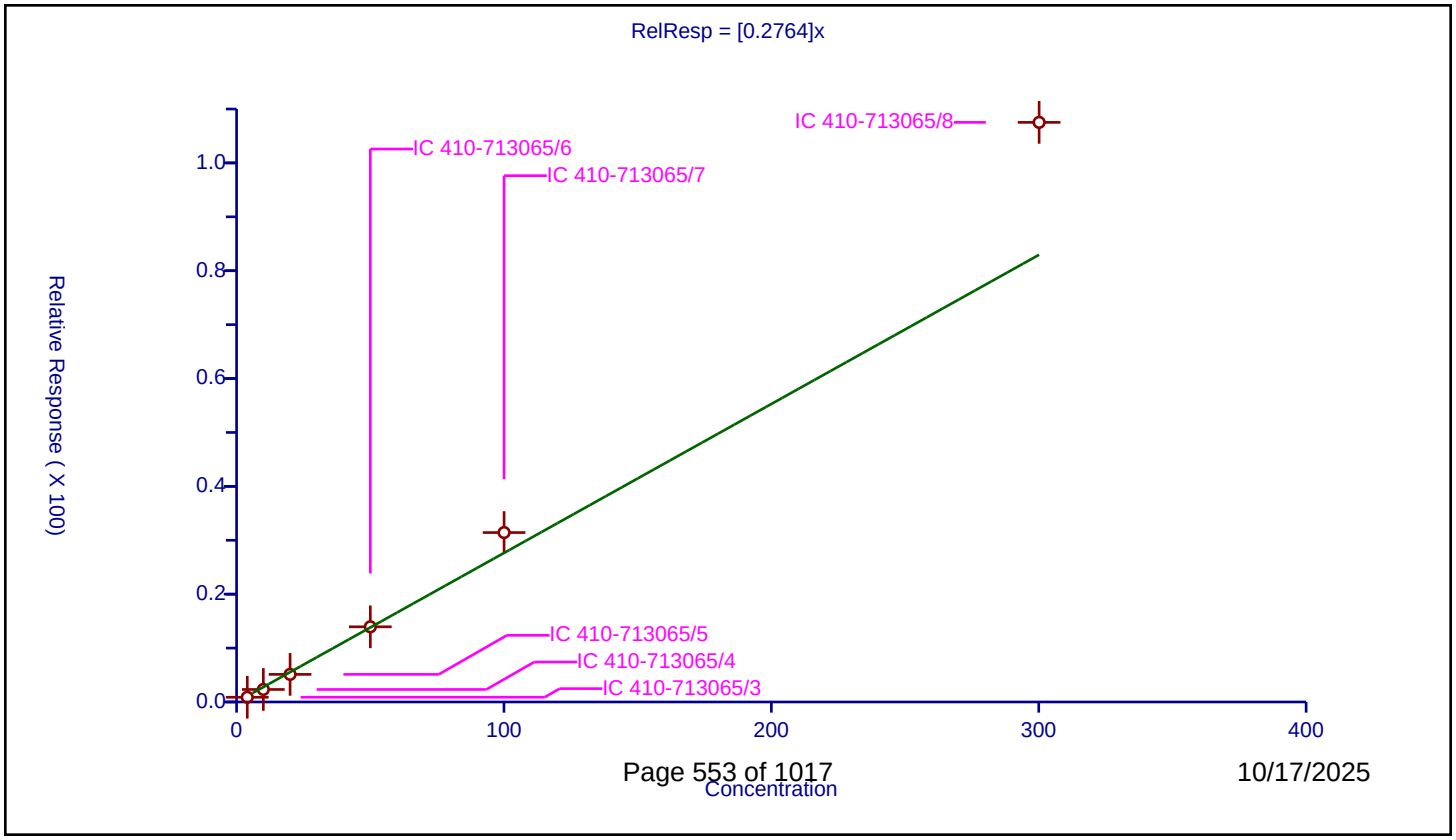
Curve Coefficients

Intercept:	0
Slope:	0.2764

Error Coefficients

Relative Standard Deviation:	19.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/3	4.00192	0.87727	50.0	702862.0	0.219212	Y
2	IC 410-713065/4	10.0048	2.321444	50.0	713586.0	0.232033	Y
3	IC 410-713065/5	20.0096	5.121706	50.0	702471.0	0.255962	Y
4	IC 410-713065/6	50.024	13.947906	50.0	696782.0	0.278824	Y
5	IC 410-713065/7	100.048	31.430503	50.0	692337.0	0.314154	Y
6	IC 410-713065/8	300.144	107.522023	50.0	677597.0	0.358235	Y



Calibration / n-Butyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

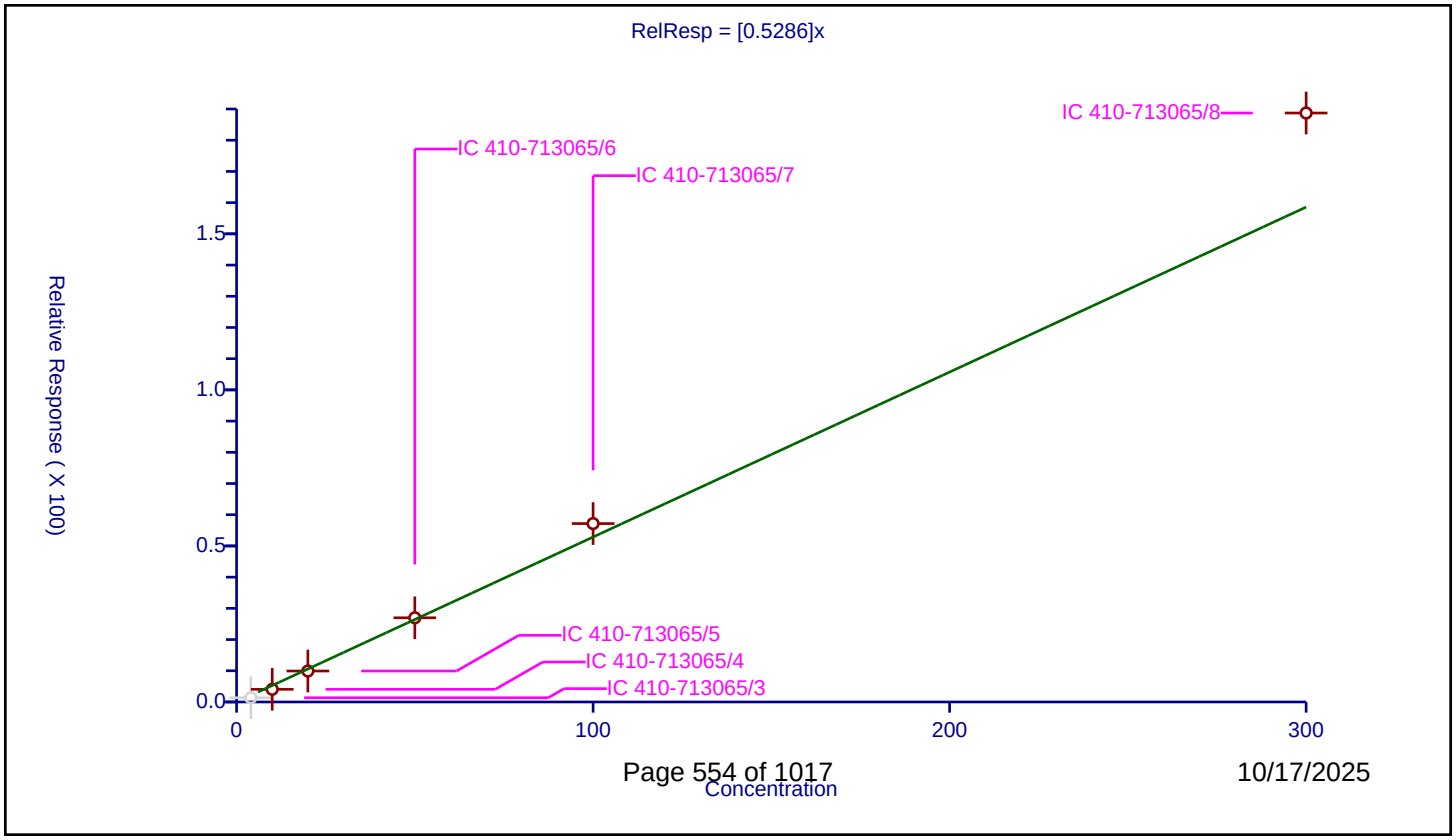
Curve Coefficients

Intercept:	0
Slope:	0.5286

Error Coefficients

Relative Standard Deviation:	15.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/3	4.0	1.355245	50.0	702862.0	0.338811	N
2	IC 410-713065/4	10.0	4.062089	50.0	713586.0	0.406209	Y
3	IC 410-713065/5	20.0	9.92646	50.0	702471.0	0.496323	Y
4	IC 410-713065/6	50.0	26.979457	50.0	696782.0	0.539589	Y
5	IC 410-713065/7	100.0	57.171074	50.0	692337.0	0.571711	Y
6	IC 410-713065/8	300.0	188.715712	50.0	677597.0	0.629052	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

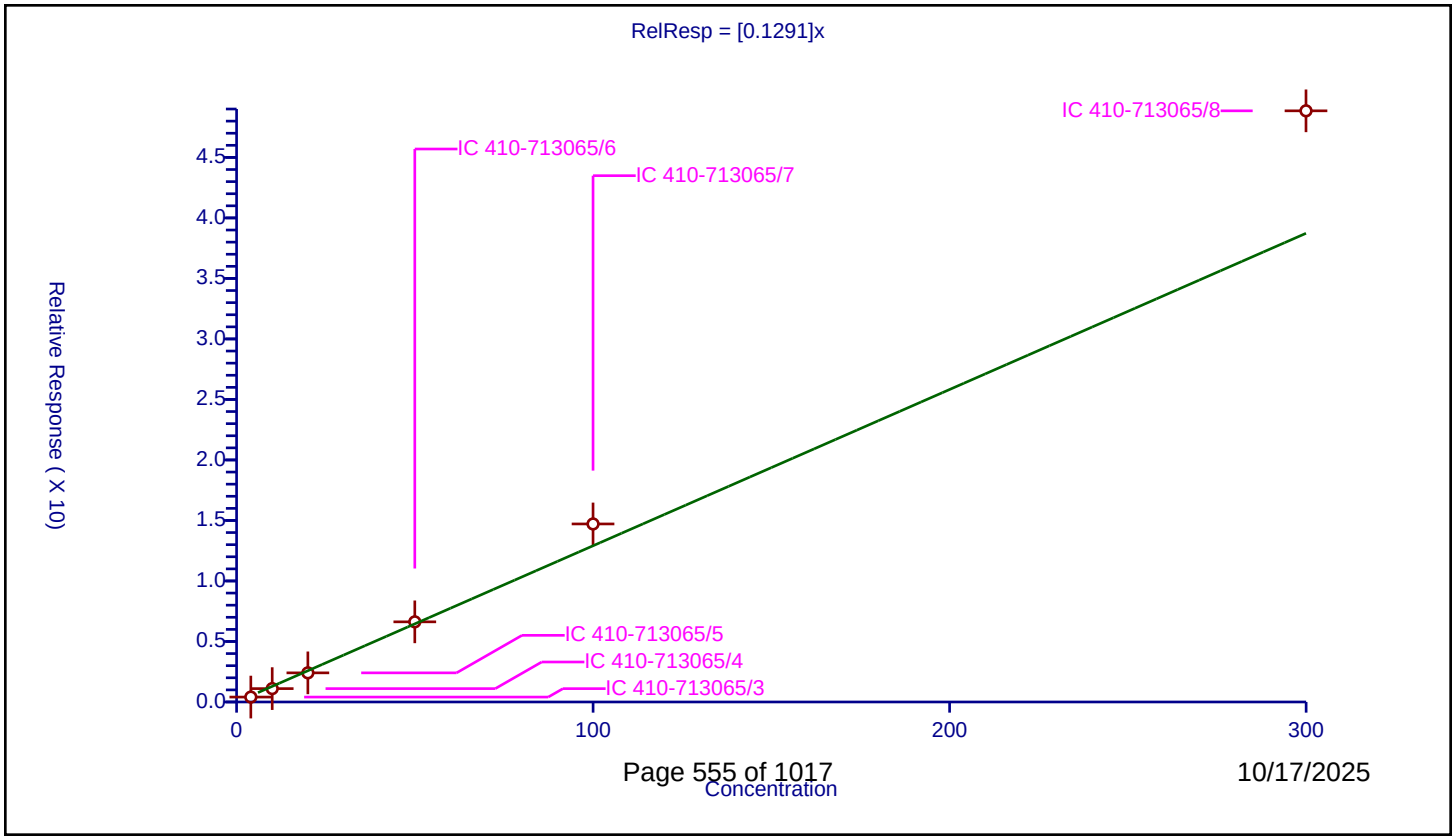
Curve Coefficients

Intercept:	0
Slope:	0.1291

Error Coefficients

Relative Standard Deviation:	17.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/3	3.999591	0.405485	50.0	702862.0	0.101382	Y
2	IC 410-713065/4	9.998978	1.104912	50.0	713586.0	0.110503	Y
3	IC 410-713065/5	19.997956	2.406434	50.0	702471.0	0.120334	Y
4	IC 410-713065/6	49.99489	6.622157	50.0	696782.0	0.132457	Y
5	IC 410-713065/7	99.98978	14.711549	50.0	692337.0	0.147131	Y
6	IC 410-713065/8	299.96934	48.849464	50.0	677597.0	0.162848	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

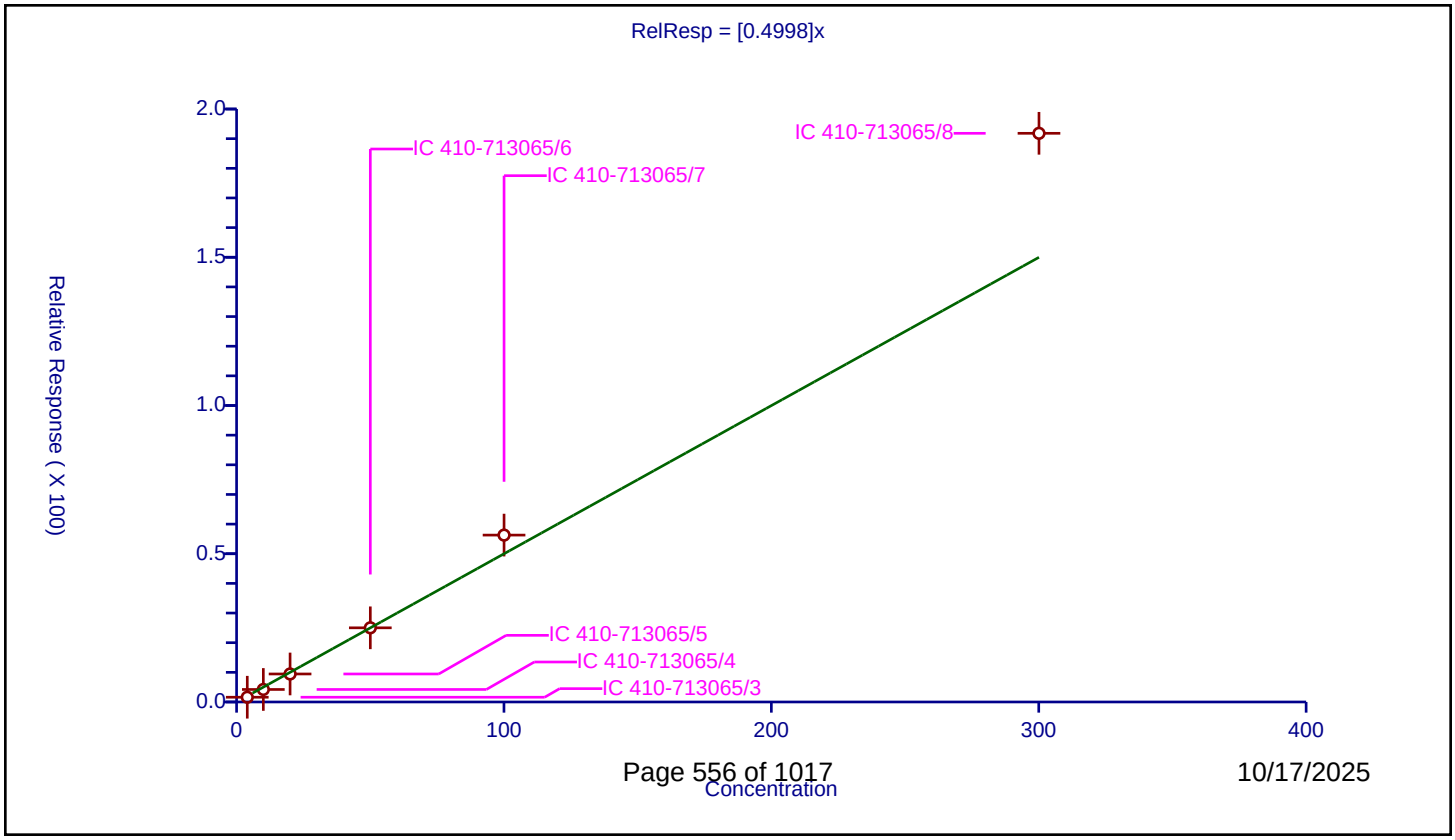
Curve Coefficients

Intercept:	0
Slope:	0.4998

Error Coefficients

Relative Standard Deviation:	17.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/3	4.001228	1.609259	50.0	492587.0	0.402191	Y
2	IC 410-713065/4	10.003071	4.223767	50.0	491457.0	0.422247	Y
3	IC 410-713065/5	20.006141	9.449233	50.0	484034.0	0.472317	Y
4	IC 410-713065/6	50.015354	25.016778	50.0	481293.0	0.500182	Y
5	IC 410-713065/7	100.030707	56.291645	50.0	467644.0	0.562744	Y
6	IC 410-713065/8	300.092121	191.802975	50.0	444643.0	0.639147	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

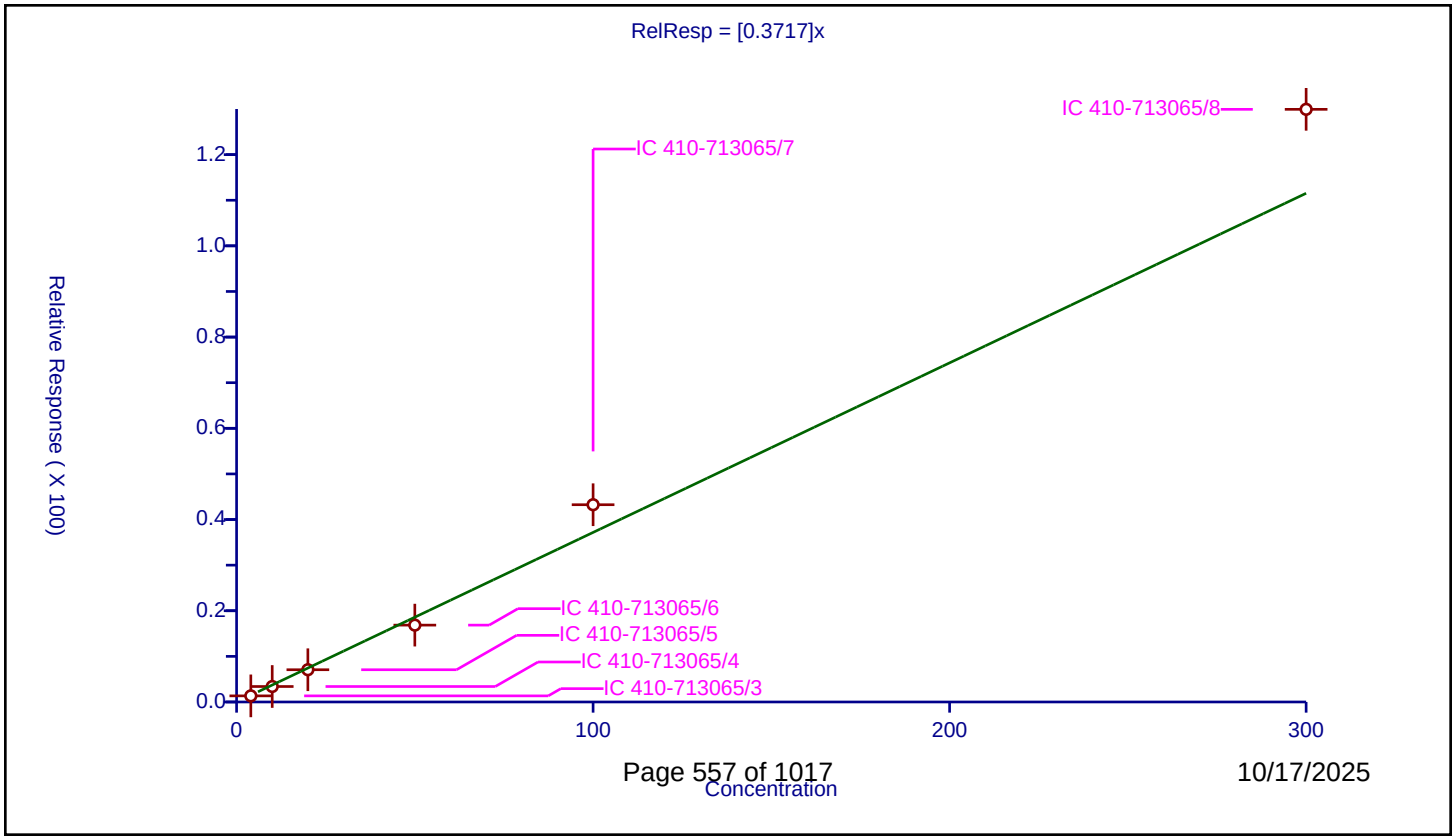
Curve Coefficients

Intercept:	0
Slope:	0.3717

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/3	4.0	1.340169	50.0	492587.0	0.335042	Y
2	IC 410-713065/4	10.0	3.392871	50.0	491457.0	0.339287	Y
3	IC 410-713065/5	20.0	7.07254	50.0	484034.0	0.353627	Y
4	IC 410-713065/6	50.0	16.848884	50.0	481293.0	0.336978	Y
5	IC 410-713065/7	100.0	43.244968	50.0	467644.0	0.43245	Y
6	IC 410-713065/8	300.0	129.927492	50.0	444643.0	0.433092	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-713065/12	LC13X11.D
Level 2	IC 410-713065/13	LC13X12.D
Level 3	IC 410-713065/14	LC13X13.D
Level 4	IC 410-713065/15	LC13X14.D
Level 5	ICIS 410-713065/16	LC13X15.D
Level 6	IC 410-713065/17	LC13X16.D
Level 7	IC 410-713065/18	LC13X17.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	0.4496 0.4966	0.5523 0.4838	0.5319	0.5397	0.4899	Ave		0.5063			0.1000	7.2		20.0			
Chloromethane	0.4747 0.4129	0.5148 0.3930	0.4819	0.4666	0.4226	Ave		0.4523			0.1000	9.7		20.0			
1,3-Butadiene	0.4725 0.3406	0.4525 0.3147	0.3890	0.3884	0.3490	Ave		0.3867				15.1		20.0			
Vinyl chloride	0.4132 0.3879	0.4778 0.3545	0.4472	0.4474	0.4004	Ave		0.4183			0.1000	10.0		20.0			
Bromomethane	0.2925 0.2602	0.3278 0.2297	0.3067	0.2958	0.2667	Ave		0.2828			0.1000	11.6		20.0			
Chloroethane	0.2712 0.2185	0.2885 0.1906	0.2651	0.2525	0.2231	Ave		0.2442			0.1000	14.2		20.0			
Dichlorofluoromethane	0.6285 0.5792	0.7076 0.5506	0.6691	0.6542	0.5914	Ave		0.6258			0.1000	8.8		20.0			
n-Pentane	0.4840 0.4505	0.4951 0.4481	0.4640	0.4750	0.4367	Ave		0.4648				4.5		20.0			
Trichlorofluoromethane	0.5569 0.5242	0.6132 0.5119	0.5805	0.5802	0.5209	Ave		0.5554			0.1000	6.8		20.0			
Ethyl ether	0.2090 0.2240	0.2209 0.2071	0.2327	0.2361	0.2196	Ave		0.2214				4.9		20.0			
Freon 123a	0.3493 0.3129	0.3857 0.3009	0.3609	0.3572	0.3143	Ave		0.3402				9.2		20.0			
Acrolein	2.4691 2.3865	2.4344 2.0319	2.6591	2.6562	2.3553	Ave		2.4275				8.8		20.0			
1,1-Dichloroethene	0.2742 0.2477	0.2841 0.2398	0.2660	0.2641	0.2438	Ave		0.2600			0.1000	6.4		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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

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	0.9282 1.0294	1.0886 0.9391	1.1469	1.1712	1.0197	Ave		1.0462			0.1000	9.1		20.0			
Freon 113	0.2327 0.2583	0.3007 0.2561	0.2758	0.2730	0.2612	Ave		0.2654			0.1000	7.9		20.0			
Methyl iodide	0.4922 0.4908	0.5366 0.4725	0.4996	0.4991	0.4894	Ave		0.4972				3.9		20.0			
2-Propanol	0.6220 0.6970	0.7300 0.6683	0.6627	0.7281	0.6980	Ave		0.6866				5.6		20.0			
Carbon disulfide	0.9050 0.8948	1.0377 0.8601	0.9523	0.9444	0.9061	Ave		0.9286			0.1000	6.2		20.0			
Methyl acetate	0.2198 0.2709	0.2886 0.2584	0.2968	0.2953	0.2785	Ave		0.2726			0.1000	9.9		20.0			
Allyl chloride	0.4501 0.4234	0.4566 0.3973	0.4400	0.4485	0.4173	Ave		0.4333				4.9		20.0			
Methylene Chloride	0.3066 0.2907	0.3380 0.2783	0.3219	0.3157	0.2921	Ave		0.3062			0.1000	6.8		20.0			
t-Butyl alcohol	+++++ 1.0928	1.1381 1.0005	1.0807	1.0850	1.0479	Ave		1.0742				4.3		20.0			
Acrylonitrile	0.1603 0.1570	0.1673 0.1479	0.1694	0.1694	0.1601	Ave		0.1616				4.8		20.0			
trans-1,2-Dichloroethene	0.3162 0.2841	0.3302 0.2649	0.3169	0.3097	0.2815	Ave		0.3005			0.1000	7.9		20.0			
Methyl tert-butyl ether	0.7688 0.8302	0.8235 0.8054	0.8111	0.8394	0.8295	Ave		0.8154			0.1000	2.9		20.0			
n-Hexane	0.3112 0.3697	0.3643 0.3692	0.3631	0.3749	0.3620	Ave		0.3592				6.0		20.0			
1,1-Dichloroethane	0.4986 0.4672	0.5289 0.4394	0.5173	0.4999	0.4687	Ave		0.4886			0.2000	6.4		20.0			
Isopropyl ether	0.7415 0.8192	0.7977 0.7773	0.8149	0.8399	0.8243	Ave		0.8021				4.2		20.0			
2-Chloro-1,3-butadiene	0.3396 0.4070	0.4029 0.3872	0.4065	0.4192	0.3976	Ave		0.3943				6.6		20.0			
Ethyl t-butyl ether	0.6213 0.7711	0.6866 0.7730	0.6970	0.7330	0.7444	Ave		0.7180				7.5		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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

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)	0.1421 0.1766	0.1295 0.1806	0.1511	0.1559	0.1653	Ave		0.1573			0.1000	11.7		20.0			
cis-1,2-Dichloroethene	0.3268 0.3084	0.3341 0.2932	0.3307	0.3279	0.3065	Ave		0.3182			0.1000	4.9		20.0			
2,2-Dichloropropane	0.3026 0.3563	0.3416 0.3572	0.3369	0.3415	0.3435	Ave		0.3399				5.3		20.0			
Propionitrile	1.3310 1.5655	1.4894 1.4496	1.5873	1.5873	1.5545	Ave		1.5092				6.2		20.0			
Methyl acrylate	+++++ 0.3385	0.2089 0.3264	0.2508	0.2720	0.2879	Ave		0.2807				17.2		20.0			
Methacrylonitrile	0.1029 0.1520	0.1349 0.1488	0.1386	0.1496	0.1503	Ave		0.1396				12.5		20.0			
Bromochloromethane	0.1631 0.1613	0.1777 0.1523	0.1802	0.1760	0.1629	Ave		0.1676				6.2		20.0			
Tetrahydrofuran	0.4240 1.2438	0.8343 1.1966	1.0592	1.1324	1.1847	Lin	-2.7810	1.2031							1.0000		0.9900
Chloroform	0.4880 0.4631	0.5154 0.4401	0.5061	0.4969	0.4620	Ave		0.4817			0.2000	5.7		20.0			
1,1,1-Trichloroethane	0.3865 0.4077	0.4314 0.4048	0.4102	0.4118	0.3993	Ave		0.4074			0.1000	3.3		20.0			
Cyclohexane	0.4082 0.4959	0.4904 0.4941	0.4838	0.5021	0.4883	Ave		0.4804			0.1000	6.7		20.0			
Carbon tetrachloride	0.2937 0.3529	0.3532 0.3557	0.3390	0.3446	0.3418	Ave		0.3401			0.1000	6.3		20.0			
1,1-Dichloropropene	0.3208 0.3578	0.3677 0.3477	0.3656	0.3682	0.3495	Ave		0.3539				4.8		20.0			
Isobutyl alcohol	+++++ 0.3239	0.2128 0.3257	0.2210	0.2370	0.2853	Ave		0.2676				19.0		20.0			
Benzene	1.0764 1.0995	1.1582 1.0548	1.1517	1.1441	1.0882	Ave		1.1104			0.5000	3.7		20.0			
1,2-Dichloroethane	0.3771 0.3590	0.3998 0.3389	0.3807	0.3830	0.3605	Ave		0.3713			0.1000	5.4		20.0			
t-Amyl methyl ether	0.5312 0.7476	0.5973 0.7738	0.6314	0.6828	0.7082	Ave		0.6675				12.9		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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

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	0.3750 0.3681	0.4218 0.3594	0.3707	0.3798	0.3686	Ave		0.3776				5.4		20.0			
n-Butanol	+++++ 0.1823	0.0478 0.2234	0.0760	0.0999	0.1437	Ave		0.1288				51.7	*	20.0			
Trichloroethene	0.2716 0.2835	0.2818 0.2804	0.2743	0.2791	0.2726	Ave		0.2776			0.2000	1.7		20.0			
Ethyl acrylate	+++++ 0.2959	0.1258 0.3538	0.1600	0.2061	0.2586	Qua	-1.145	0.2768	0.0002693						1.0000		0.9900
Methylcyclohexane	0.4071 0.5361	0.4970 0.5345	0.5043	0.5465	0.5331	Ave		0.5084			0.1000	9.5		20.0			
1,2-Dichloropropane	0.2408 0.2581	0.2706 0.2467	0.2656	0.2638	0.2588	Ave		0.2578			0.1000	4.1		20.0			
t-Amyl ethyl ether	0.2426 0.3838	0.2894 0.3877	0.3235	0.3505	0.3559	Ave		0.3333				15.8		20.0			
Methyl methacrylate	+++++ 0.1984	0.1088 0.2164	0.1267	0.1561	0.1850	Lin1	-0.651	0.2123							0.9970		0.9900
1,4-Dioxane	+++++ 0.0857	0.0609 0.0823	0.0655	0.0813	0.0860	Ave		0.0770			0.0050	14.2		20.0			
Dibromomethane	0.1669 0.1693	0.1753 0.1661	0.1742	0.1718	0.1701	Ave		0.1705				2.0		20.0			
Bromodichloromethane	0.2995 0.3364	0.3195 0.3434	0.3118	0.3197	0.3253	Ave		0.3222			0.2000	4.6		20.0			
2-Nitropropane	1.2712 1.9792	1.2550 +++++	1.3967	1.5728	1.8215	Lin1	-7.097	1.8877							0.9920		0.9900
2-Chloroethyl vinyl ether	+++++ 0.1621	0.1098 0.1783	0.1275	0.1432	0.1553	Ave		0.1461				16.9		20.0			
cis-1,3-Dichloropropene	0.2734 0.4095	0.3050 0.4353	0.3262	0.3594	0.3822	Ave		0.3559			0.2000	16.3		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.3920	0.2333 0.3654	0.2878	0.3276	0.3660	Ave		0.3287			0.1000	18.0		20.0			
Toluene	0.8628 0.9118	0.9641 0.8349	0.9367	0.9542	0.9129	Ave		0.9111			0.4000	5.2		20.0			
trans-1,3-Dichloropropene	0.3176 0.4695	0.3544 0.4786	0.3754	0.4152	0.4456	Ave		0.4080			0.1000	15.0		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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

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	+++++ 0.4932	0.3187 0.4760	0.3570	0.4360	0.4737	Ave		0.4258				16.8		20.0			
1,1,2-Trichloroethane	0.3224 0.3136	0.3328 0.2998	0.3157	0.3251	0.3192	Ave		0.3184			0.1000	3.3		20.0			
Tetrachloroethene	0.4196 0.4344	0.4834 0.4166	0.4439	0.4513	0.4330	Ave		0.4403			0.2000	5.1		20.0			
1,3-Dichloropropane	0.4650 0.4992	0.4916 0.4853	0.4900	0.5062	0.5013	Ave		0.4912				2.8		20.0			
2-Hexanone	0.1841 0.3040	0.1974 0.2682	0.2520	0.2818	0.2845	Ave		0.2532			0.1000	18.0		20.0			
Dibromochloromethane	0.2867 0.3724	0.3229 0.3691	0.3316	0.3519	0.3607	Ave		0.3422				9.0		20.0			
1,2-Dibromoethane (EDB)	0.2797 0.3077	0.2960 0.3044	0.2997	0.3094	0.3076	Ave		0.3006			0.1000	3.5		20.0			
1-Chlorohexane	0.4547 0.4444	0.4793 0.4225	0.4551	0.4677	0.4468	Ave		0.4529				4.0		20.0			
Chlorobenzene	0.9884 0.9908	1.0895 0.9139	1.0525	1.0363	0.9989	Ave		1.0100			0.5000	5.6		20.0			
1,1,1,2-Tetrachloroethane	0.3311 0.3988	0.3889 0.3484	0.3815	0.3974	0.4023	Ave		0.3783				7.3		20.0			
Ethylbenzene	1.5502 1.7478	1.8574 1.5040	1.8519	1.8699	1.7963	Ave		1.7396			0.1000	8.7		20.0			
m&p-Xylene	0.5948 0.7072	0.7329 0.5974	0.7573	0.7585	0.7241	Ave		0.6960			0.1000	10.1		20.0			
n-Butyl acrylate	+++++ 0.6541	0.3810 0.6141	0.4854	0.5848	0.6349	Ave		0.5590				18.9		20.0			
o-Xylene	0.5903 0.7487	0.7664 0.6312	0.7989	0.8089	0.7822	Ave		0.7324			0.3000	11.8		20.0			
Styrene	0.8213 1.0967	1.0867 0.9528	1.1763	1.1888	1.1346	Ave		1.0653			0.3000	12.5		20.0			
Bromoform	0.2073 0.2721	0.2391 0.2696	0.2418	0.2604	0.2692	Ave		0.2513			0.1000	9.4		20.0			
Isopropylbenzene	1.3872 1.9721	1.9032 1.6692	1.9771	2.0859	2.0498	Ave		1.8635			0.1000	13.4		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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

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	0.1562 0.3183	0.2607 0.2887	0.2761	0.3760	0.3083	Lin1	-4.521	0.3052							0.9900		0.9900
1,1,2,2-Tetrachloroethane	0.8826 0.9224	0.8870 0.8576	0.8774	0.9300	0.9336	Ave		0.8987			0.3000	3.3		20.0			
Bromobenzene	0.6867 0.7935	0.7596 0.7939	0.7378	0.7657	0.7624	Ave		0.7571				4.9		20.0			
trans-1,4-Dichloro-2-butene	0.1930 0.2188	0.2118 0.1971	0.2069	0.2219	0.2239	Ave		0.2105				5.7		20.0			
1,2,3-Trichloropropane	0.2881 0.2905	0.3035 0.2747	0.2845	0.2923	0.2930	Ave		0.2895				3.0		20.0			
N-Propylbenzene	2.7293 3.6681	3.5064 3.2695	3.4939	3.6597	3.6126	Ave		3.4199				9.8		20.0			
2-Chlorotoluene	0.6550 0.7981	0.7514 0.7693	0.7463	0.7703	0.7737	Ave		0.7520				6.1		20.0			
1,3,5-Trimethylbenzene	1.7329 2.9061	2.3927 2.6529	2.5080	2.7176	2.8274	Ave		2.5340				15.6		20.0			
4-Chlorotoluene	0.6238 0.7269	0.7219 0.7162	0.7189	0.7421	0.7232	Ave		0.7104				5.5		20.0			
tert-Butylbenzene	+++++ 0.6599	0.4357 0.6458	0.4852	0.5546	0.6125	Ave		0.5656				16.0		20.0			
1,2,4-Trimethylbenzene	1.8058 2.9549	2.5806 2.6619	2.6887	2.8640	2.9162	Ave		2.6389				14.9		20.0			
sec-Butylbenzene	2.1310 3.7198	3.0866 3.3013	3.2132	3.5048	3.6191	Ave		3.2251				16.5		20.0			
1,3-Dichlorobenzene	1.4430 1.5755	1.6254 1.4047	1.5572	1.6043	1.5785	Ave		1.5412			0.6000	5.4		20.0			
p-Isopropyltoluene	1.8804 3.3293	2.7975 2.8290	2.9018	3.1502	3.2722	Ave		2.8800				17.0		20.0			
1,4-Dichlorobenzene	1.5982 1.5306	1.6464 1.3897	1.5653	1.5950	1.5465	Ave		1.5531			0.5000	5.3		20.0			
1,2,3-Trimethylbenzene	2.2654 3.0237	2.7326 2.6431	2.7368	2.8989	2.9833	Ave		2.7548				9.4		20.0			
Benzyl chloride	+++++ 1.7352	0.9741 1.7171	1.1389	1.4004	1.6205	Lin	-4.535	1.7359							1.0000		0.9900

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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

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	1.1604 1.8500	1.6247 1.7009	1.6685	1.7857	1.8347	Ave		1.6607				14.2		20.0			
1,4-Diethylbenzene	1.3214 1.9952	1.8664 1.7849	1.8835	1.9870	2.0046	Ave		1.8347				13.1		20.0			
n-Butylbenzene	1.1089 1.5121	1.5189 1.3432	1.4804	1.5478	1.5264	Ave		1.4340				11.1		20.0			
1,2-Dichlorobenzene	1.5637 1.6549	1.7220 1.5051	1.6471	1.6897	1.6756	Ave		1.6369			0.4000	4.6		20.0			
1,2-Diethylbenzene	0.9866 1.5978	1.3895 1.4665	1.3997	1.5302	1.5685	Ave		1.4198				14.6		20.0			
1,2-Dibromo-3-Chloropropane	0.1862 0.2438	0.2055 0.2385	0.2087	0.2242	0.2438	Ave		0.2215			0.0500	10.0		20.0			
1,3,5-Trichlorobenzene	1.3043 1.5107	1.4942 1.4038	1.4115	1.5095	1.5366	Ave		1.4529				5.7		20.0			
1,2,4-Trichlorobenzene	1.2841 1.5107	1.4140 1.3858	1.3772	1.4697	1.5351	Ave		1.4252			0.2000	6.1		20.0			
2-Ethylhexyl acrylate	+++++ 1.1337	0.5152 1.0686	0.6338	0.8145	1.0388	Lin	-2.312	1.0836							0.9990		0.9900
Hexachlorobutadiene	0.4820 0.6834	0.6413 0.6663	0.5997	0.6351	0.6674	Ave		0.6250				11.0		20.0			
Naphthalene	3.0847 4.5147	4.0210 3.7102	4.1511	4.5414	4.7001	Ave		4.1033				13.8		20.0			
1,2,3-Trichlorobenzene	1.3329 1.4749	1.4273 1.3174	1.3852	1.4830	1.5156	Ave		1.4195				5.4		20.0			
2-Methylnaphthalene	+++++ 2.6381	1.8214 2.2870	2.0511	2.4345	2.6767	Ave		2.3181				14.5		20.0			
Dibromofluoromethane (Surr)	0.2616 0.2438	0.2542 0.2436	0.2574	0.2515	0.2444	Ave		0.2509				2.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0622 0.0616	0.0626 0.0617	0.0642	0.0618	0.0611	Ave		0.0622				1.7		20.0			
Toluene-d8 (Surr)	1.3544 1.2961	1.3706 1.2335	1.3476	1.3524	1.3235	Ave		1.3255				3.6		20.0			
4-Bromofluorobenzene (Surr)	0.4938 0.4457	0.5014 0.4381	0.4960	0.4849	0.4627	Ave		0.4747				5.4		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.: 410-245374-1 | Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 | Calibration End Date: 10/13/2025 19:59 | Calibration ID: 77550

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-713065/12	LC13X11.D
Level 2	IC 410-713065/13	LC13X12.D
Level 3	IC 410-713065/14	LC13X13.D
Level 4	IC 410-713065/15	LC13X14.D
Level 5	ICIS 410-713065/16	LC13X15.D
Level 6	IC 410-713065/17	LC13X16.D
Level 7	IC 410-713065/18	LC13X17.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	8956 1120982	43235 3421024	110373	225149	517924	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	9456 931978	40302 2778835	99996	194649	446770	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	9411 768960	35426 2225524	80713	162022	368998	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	8230 875738	37404 2506543	92784	186641	423317	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	5826 587414	25659 1624368	63636	123410	281978	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	5402 493334	22584 1347903	55010	105333	235820	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	12518 1307571	55394 3893225	138835	272934	625198	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	9640 1017070	38758 3168879	96274	198177	461613	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	11093 1183409	48006 3619747	120453	242068	550624	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl ether	FB	Ave	4164 505901	17302 1465289	48311	98534	232265	1.00 100	4.00 300	10.0	20.0	50.0
Freon 123a	FB	Ave	6958 706275	30199 2127714	74877	149010	332271	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd10	Ave	17548 2074300	72850 5804547	205469	415753	973277	9.76 976	39.0 2927	97.6	195	488
1,1-Dichloroethene	FB	Ave	5461 559175	22244 1695532	55199	110188	257778	1.00 100	4.00 300	10.0	20.0	50.0
Acetone	TBAd10	Ave	1352 183382	6677 549818	18163	37571	86366	2.00 200	8.00 600	20.0	40.0	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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

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
Freon 113	FB	Ave	4634 583184	23540 1810949	57220	113912	276131	1.00 100	4.00 300	10.0	20.0	50.0
Methyl iodide	FB	Ave	9803 1107943	42005 3341407	103666	208248	517426	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd10	Ave	2265 310422	11193 978164	26238	58397	147798	5.00 500	20.0 1500	50.0	100	250
Carbon disulfide	FB	Ave	18026 2020001	81236 6081749	197604	394022	957860	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	4378 611548	22592 1827132	61583	123192	294405	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	8965 955865	35748 2809516	91303	187117	441173	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	6107 656346	26463 1967963	66794	131717	308779	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	+++++ 486690	17451 1464458	42787	87021	221867	+++++ 500	20.0 1500	50.0	100	250
Acrylonitrile	FB	Ave	7981 886228	32751 2615307	87853	176705	423046	2.50 250	10.0 750	25.0	50.0	125
trans-1,2-Dichloroethene	FB	Ave	6298 641357	25852 1873155	65756	129209	297601	1.00 100	4.00 300	10.0	20.0	50.0
Methyl tert-butyl ether	FB	Ave	15313 1874034	64469 5695462	168294	350192	876873	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	6199 834643	28522 2610753	75346	156421	382690	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	9931 1054604	41404 3107408	107339	208567	495510	1.00 100	4.00 300	10.0	20.0	50.0
Isopropyl ether	FB	Ave	14769 1849387	62449 5496500	169088	350417	871398	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	6765 918764	31545 2737725	84358	174905	420301	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl t-butyl ether	FB	Ave	12376 1740617	53748 5465786	144627	305792	786956	1.00 100	4.00 300	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	5661 797402	20276 2554266	62701	130113	349582	2.00 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	6510 696220	26153 2073545	68629	136794	324018	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	6028 804375	26739 2525725	69903	142463	363091	1.00 100	4.00 300	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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

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	4847 697220	22838 2121857	62844	127301	329145	5.00 500	20.0 1500	50.0	100	250
Methyl acrylate	FB	Ave	+++++ 764271	16355 2308391	52046	113494	304423	+++++ 100	4.00 300	10.0	20.0	50.0
Methacrylonitrile	FB	Ave	5125 857903	26402 2630827	71905	156054	397192	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	3249 364077	13910 1076608	37393	73442	172161	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd10	Lin	1544 553950	12793 1751524	41935	90815	250842	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	9720 1045474	40350 3112084	105006	207323	488451	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	7699 920451	33771 2862739	85119	171805	422149	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	8131 1119415	38390 3494240	100393	209485	516215	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	5849 796659	27649 2515222	70336	143780	361287	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	6389 807695	28790 2458406	75856	153611	369439	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd10	Ave	+++++ 360661	8159 1191763	21873	47514	151012	+++++ 1250	50.0 3750	125	250	625
Benzene	FB	Ave	21439 2481926	90673 7458990	238977	477316	1150389	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	7512 810500	31297 2396493	78989	159780	381122	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	10580 1687552	46760 5471923	131022	284863	748706	1.00 100	4.00 300	10.0	20.0	50.0
n-Heptane	FB	Ave	7470 830895	33020 2541721	76911	158442	389618	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd10	Ave	+++++ 202978	1832 817502	7521	20029	76057	+++++ 1250	50.0 3750	125	250	625
Trichloroethene	FB	Ave	5410 639920	22063 1982624	56916	116422	288197	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl acrylate	FB	Qua	+++++ 668239	9857 2502750	33226	86035	273554	+++++ 100	4.00 300	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	8109	38906	104650	227989	563590	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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

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
			1210246	3779913				100	300			
1,2-Dichloropropane	FB	Ave	4796 582721	21187 1744177	55117	110065	273639	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	4832 866423	22654 2741358	67130	146210	376284	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Lin1	+++++ 447818	8521 1530370	26299	65127	195625	+++++ 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd10	Ave	+++++ 95463	2333 301197	6488	16305	45543	+++++ 1250	50.0 3750	125	250	625
Dibromomethane	FB	Ave	3324 382143	13722 1174746	36148	71661	179772	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	5965 759365	25010 2428556	64706	133364	343872	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd10	Lin1	4629 881452	19244 +++++	55299	126138	385672	5.00 500	20.0 +++++	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	+++++ 365976	8593 1261052	26464	59751	164230	+++++ 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	5446 924310	23879 3078415	67695	149938	404057	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	+++++ 1769823	36534 5168079	119429	273358	773942	+++++ 200	8.00 600	20.0	40.0	100
Toluene	CBZd5	Ave	11608 1514171	50841 4698355	134444	277343	689868	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZd5	Ave	4273 779572	18689 2693118	53876	120672	336721	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl methacrylate	CBZd5	Ave	+++++ 819026	16803 2678386	51238	126734	357996	+++++ 100	4.00 300	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZd5	Ave	4337 520724	17551 1686955	45306	94508	241228	1.00 100	4.00 300	10.0	20.0	50.0
Tetrachloroethene	CBZd5	Ave	5645 721366	25489 2344225	63710	131190	327195	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichloropropane	CBZd5	Ave	6256 829051	25924 2730865	70328	147128	378833	1.00 100	4.00 300	10.0	20.0	50.0
2-Hexanone	CBZd5	Ave	4954 1009792	20823 3018818	72332	163844	430013	2.00 200	8.00 600	20.0	40.0	100
Dibromochloromethane	CBZd5	Ave	3857 618400	17029 2077098	47599	102280	272593	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromoethane (EDB)	CBZd5	Ave	3763 510884	15608 1712647	43017	89925	232455	1.00 100	4.00 300	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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

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	6118 737902	25276 2377281	65323	135956	337622	1.00 100	4.00 300	10.0	20.0	50.0
Chlorobenzene	CBZd5	Ave	13298 1645263	57449 5142901	151063	301223	754862	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZd5	Ave	4455 662288	20505 1960463	54760	115519	304017	1.00 100	4.00 300	10.0	20.0	50.0
Ethylbenzene	CBZd5	Ave	20856 2902382	97942 8463391	265807	543519	1357499	1.00 100	4.00 300	10.0	20.0	50.0
m&p-Xylene	CBZd5	Ave	16004 2348843	77296 6723335	217377	440923	1094453	2.00 200	8.00 600	20.0	40.0	100
n-Butyl acrylate	CBZd5	Ave	+++++ 1086365	20094 3455970	69676	170000	479824	+++++ 100	4.00 300	10.0	20.0	50.0
o-Xylene	CBZd5	Ave	7942 1243334	40415 3552008	114662	235114	591119	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd5	Ave	11050 1821168	57302 5361383	168828	345556	857393	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd5	Ave	2789 451781	12606 1517347	34712	75676	203402	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd5	Ave	18664 3274942	100358 9393176	283773	606300	1549077	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBAd10	Lin1	5687 354397	39968 1056635	54655	150772	163174	50.0 1250	200 3750	250	500	625
1,1,2,2-Tetrachloroethane	DCBd4	Ave	8216 890698	32544 2614074	85406	176912	438647	1.00 100	4.00 300	10.0	20.0	50.0
Bromobenzene	DCBd4	Ave	6393 766217	27870 2419710	71817	145655	358186	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	4492 528305	19430 1502032	50347	105514	262947	2.50 250	10.0 750	25.0	50.0	125
1,2,3-Trichloropropane	DCBd4	Ave	2682 280559	11136 837364	27695	55606	137673	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd4	Ave	25407 3542190	128648 9965567	340101	696171	1697347	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	6097 770696	27567 2344936	72644	146524	363521	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	16132 2806313	87789 8086018	244127	516962	1328433	1.00 100	4.00 300	10.0	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	5807 701958	26485 2183150	69975	141158	339799	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	+++++	15985	47230	105493	287770	+++++	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.: 410-245374-1 | Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 | Calibration End Date: 10/13/2025 19:59 | Calibration ID: 77550

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
			637285	1968478				100	300			
1,2,4-Trimethylbenzene	DCBd4	Ave	16810 2853438	94681 8113436	261718	544800	1370149	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	19838 3592127	113246 10062530	312770	666705	1700395	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	13433 1521415	59635 4281683	151581	305179	741633	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd4	Ave	17505 3215006	102639 8622885	282461	599238	1537402	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	14878 1478097	60406 4235709	152365	303409	726615	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trimethylbenzene	DCBd4	Ave	21089 2919933	100260 8056221	266399	551441	1401692	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd4	Lin	+++++ 1675641	35740 5233636	110863	266399	761354	+++++ 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd4	Ave	10802 1786520	59611 5184281	162415	339685	862026	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd4	Ave	12301 1926676	68479 5440455	183341	377981	941858	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd4	Ave	10323 1460199	55727 4094063	144103	294432	717157	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	14557 1598127	63180 4587734	160331	321414	787257	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd4	Ave	9184 1542993	50981 4469978	136251	291074	736922	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1733 235403	7539 727029	20312	42649	114559	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	12142 1458859	54821 4278751	137396	287149	721934	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	11954 1458804	51881 4223904	134059	279582	721266	1.00 100	4.00 300	10.0	20.0	50.0
2-Ethylhexyl acrylate	DCBd4	Lin	+++++ 1094969	18906 3257832	61707	154963	488164	+++++ 100	4.00 300	10.0	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	4487 659906	23528 2031038	58379	120820	313594	1.00 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd4	Ave	28716 4359760	147531 11308793	404067	863877	2208281	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	12408 1424307	52366 4015349	134840	282108	712082	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd4	Ave	+++++	66825	199653	463095	1257597	+++++	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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

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
			2547591	6970829				100	300			
Dibromofluoromethane (Surr)	FB	Ave	260519 275154	248714 287059	267057	262278	258351	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	61955 69536	61306 72698	66650	64484	64595	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd5	Ave	911145 1076188	903458 1156901	967101	982767	1000201	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	332209 370068	330490 410906	355979	352362	349666	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic 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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-713065/12	LC13X11.D
Level 2	IC 410-713065/13	LC13X12.D
Level 3	IC 410-713065/14	LC13X13.D
Level 4	IC 410-713065/15	LC13X14.D
Level 5	ICIS 410-713065/16	LC13X15.D
Level 6	IC 410-713065/17	LC13X16.D
Level 7	IC 410-713065/18	LC13X17.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	-11.2 -4.4	9.1	5.1	6.6	-3.2	-1.9	50 30	30	30	30	30	30
Chloromethane	5.0 -13.1	13.8	6.5	3.1	-6.6	-8.7	50 30	30	30	30	30	30
1,3-Butadiene	22.2 -18.6	17.0	0.6	0.4	-9.7	-11.9	50 30	30	30	30	30	30
Vinyl chloride	-1.2 -15.3	14.2	6.9	6.9	-4.3	-7.3	50 30	30	30	30	30	30
Bromomethane	3.4 -18.8	15.9	8.5	4.6	-5.7	-8.0	50 30	30	30	30	30	30
Chloroethane	11.1 -21.9	18.1	8.6	3.4	-8.7	-10.5	50 30	30	30	30	30	30
Dichlorofluoromethane	0.4 -12.0	13.1	6.9	4.5	-5.5	-7.4	50 30	30	30	30	30	30
n-Pentane	4.1 -3.6	6.5	-0.2	2.2	-6.0	-3.1	50 30	30	30	30	30	30
Trichlorofluoromethane	0.3 -7.8	10.4	4.5	4.5	-6.2	-5.6	50 30	30	30	30	30	30
Ethyl ether	-5.6 -6.4	-0.2	5.1	6.7	-0.8	1.2	50 30	30	30	30	30	30
Freon 123a	2.7 -11.5	13.4	6.1	5.0	-7.6	-8.0	50 30	30	30	30	30	30
Acrolein	1.7 -16.3	0.3	9.5	9.4	-3.0	-1.7	50 30	30	30	30	30	30
1,1-Dichloroethene	5.5 -7.8	9.3	2.3	1.6	-6.2	-4.7	50 30	30	30	30	30	30
Acetone	-11.3 -10.2	4.1	9.6	11.9	-2.5	-1.6	50 30	30	30	30	30	30
Freon 113	-12.3 -3.5	13.3	3.9	2.9	-1.6	-2.7	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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

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	-1.0 -5.0	7.9	0.5	0.4	-1.6	-1.3	50 30	30	30	30	30	30
2-Propanol	-9.4 -2.7	6.3	-3.5	6.1	1.7	1.5	50 30	30	30	30	30	30
Carbon disulfide	-2.5 -7.4	11.7	2.6	1.7	-2.4	-3.6	50 30	30	30	30	30	30
Methyl acetate	-19.4 -5.2	5.9	8.9	8.3	2.2	-0.6	50 30	30	30	30	30	30
Allyl chloride	3.9 -8.3	5.4	1.5	3.5	-3.7	-2.3	50 30	30	30	30	30	30
Methylene Chloride	0.1 -9.1	10.4	5.1	3.1	-4.6	-5.0	50 30	30	30	30	30	30
t-Butyl alcohol	+++++ -6.9	6.0	0.6	1.0	-2.4	1.7	30	50	30	30	30	30
Acrylonitrile	-0.8 -8.5	3.5	4.8	4.8	-1.0	-2.8	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	5.2 -11.8	9.9	5.5	3.1	-6.3	-5.5	50 30	30	30	30	30	30
Methyl tert-butyl ether	-5.7 -1.2	1.0	-0.5	2.9	1.7	1.8	50 30	30	30	30	30	30
n-Hexane	-13.4 2.8	1.4	1.1	4.4	0.8	2.9	50 30	30	30	30	30	30
1,1-Dichloroethane	2.1 -10.1	8.2	5.9	2.3	-4.1	-4.4	50 30	30	30	30	30	30
Isopropyl ether	-7.6 -3.1	-0.6	1.6	4.7	2.8	2.1	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-13.9 -1.8	2.2	3.1	6.3	0.8	3.2	50 30	30	30	30	30	30
Ethyl t-butyl ether	-13.5 7.6	-4.4	-2.9	2.1	3.7	7.4	50 30	30	30	30	30	30
2-Butanone (MEK)	-9.7 14.8	-17.7	-4.0	-0.9	5.1	12.3	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	2.7 -7.9	5.0	3.9	3.0	-3.7	-3.1	50 30	30	30	30	30	30
2,2-Dichloropropane	-11.0 5.1	0.5	-0.9	0.5	1.0	4.8	50 30	30	30	30	30	30
Propionitrile	-11.8 -3.9	-1.3	5.2	5.2	3.0	3.7	50 30	30	30	30	30	30
Methyl acrylate	+++++ 16.3	-25.6	-10.7	-3.1	2.6	20.6	30	50	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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

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	-26.3 6.6	-3.4	-0.7	7.2	7.7	8.9	50 30	30	30	30	30	30
Bromochloromethane	-2.7 -9.2	6.0	7.5	5.0	-2.9	-3.8	50 30	30	30	30	30	30
Tetrahydrofuran	-18.5 -0.4	-19.1	-7.3	-3.6	-0.6	3.8	50 30	30	30	30	30	30
Chloroform	1.3 -8.6	7.0	5.1	3.2	-4.1	-3.8	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-5.1 -0.6	5.9	0.7	1.1	-2.0	0.1	50 30	30	30	30	30	30
Cyclohexane	-15.0 2.9	2.1	0.7	4.5	1.6	3.2	50 30	30	30	30	30	30
Carbon tetrachloride	-13.7 4.6	3.8	-0.3	1.3	0.5	3.8	50 30	30	30	30	30	30
1,1-Dichloropropene	-9.4 -1.8	3.9	3.3	4.0	-1.2	1.1	50 30	30	30	30	30	30
Isobutyl alcohol	+++++ 21.7	-20.5	-17.4	-11.4	6.6	21.0	 30	50	30	30	30	30
Benzene	-3.1 -5.0	4.3	3.7	3.0	-2.0	-1.0	50 30	30	30	30	30	30
1,2-Dichloroethane	1.6 -8.7	7.7	2.5	3.1	-2.9	-3.3	50 30	30	30	30	30	30
t-Amyl methyl ether	-20.4 15.9	-10.5	-5.4	2.3	6.1	12.0	50 30	30	30	30	30	30
n-Heptane	-0.7 -4.8	11.7	-1.8	0.6	-2.4	-2.5	50 30	30	30	30	30	30
n-Butanol	+++++ 73.4 *	-62.9 *	-41.0 *	-22.5	11.5	41.5 *	 30	50	30	30	30	30
Trichloroethene	-2.2 1.0	1.5	-1.2	0.5	-1.8	2.1	50 30	30	30	30	30	30
Ethyl acrylate	+++++ 0.0	48.0	-1.8	-6.6	-2.9	1.1	 30	50	30	30	30	30
Methylcyclohexane	-19.9 5.1	-2.2	-0.8	7.5	4.9	5.5	50 30	30	30	30	30	30
1,2-Dichloropropane	-6.6 -4.3	5.0	3.0	2.3	0.4	0.1	50 30	30	30	30	30	30
t-Amyl ethyl ether	-27.2 16.3	-13.2	-2.9	5.1	6.8	15.1	50 30	30	30	30	30	30
Methyl methacrylate	+++++ 3.0	28.0	-9.6	-11.1	-6.7	-3.5	 30	50	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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

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	+++++ 6.9	-20.9	-14.8	5.7	11.8	11.4	30	50	30	30	30	30
Dibromomethane	-2.1 -2.6	2.8	2.2	0.7	-0.3	-0.7	50 30	30	30	30	30	30
Bromodichloromethane	-7.1 6.6	-0.9	-3.2	-0.8	0.9	4.4	50 30	30	30	30	30	30
2-Nitropropane	42.5 +++++	-14.7	-18.5	-12.9	-2.0	5.6	50	30	30	30	30	30
2-Chloroethyl vinyl ether	+++++ 22.1	-24.8	-12.7	-1.9	6.4	11.0	30	50	30	30	30	30
cis-1,3-Dichloropropene	-23.2 22.3	-14.3	-8.3	1.0	7.4	15.1	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	+++++ 11.2	-29.0	-12.4	-0.3	11.4	19.3	30	50	30	30	30	30
Toluene	-5.3 -8.4	5.8	2.8	4.7	0.2	0.1	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-22.2 17.3	-13.1	-8.0	1.7	9.2	15.1	50 30	30	30	30	30	30
Ethyl methacrylate	+++++ 11.8	-25.2	-16.2	2.4	11.3	15.8	30	50	30	30	30	30
1,1,2-Trichloroethane	1.3 -5.8	4.5	-0.9	2.1	0.3	-1.5	50 30	30	30	30	30	30
Tetrachloroethene	-4.7 -5.4	9.8	0.8	2.5	-1.7	-1.3	50 30	30	30	30	30	30
1,3-Dichloropropane	-5.3 -1.2	0.1	-0.3	3.0	2.0	1.6	50 30	30	30	30	30	30
2-Hexanone	-27.3 6.0	-22.0	-0.5	11.3	12.4	20.1	50 30	30	30	30	30	30
Dibromochloromethane	-16.2 7.9	-5.6	-3.1	2.8	5.4	8.8	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-7.0 1.2	-1.5	-0.3	2.9	2.3	2.3	50 30	30	30	30	30	30
1-Chlorohexane	0.4 -6.7	5.8	0.5	3.3	-1.4	-1.9	50 30	30	30	30	30	30
Chlorobenzene	-2.1 -9.5	7.9	4.2	2.6	-1.1	-1.9	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-12.5 -7.9	2.8	0.8	5.0	6.3	5.4	50 30	30	30	30	30	30
Ethylbenzene	-10.9 -13.5	6.8	6.5	7.5	3.3	0.5	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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

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	-14.5 -14.2	5.3	8.8	9.0	4.0	1.6	50 30	30	30	30	30	30
n-Butyl acrylate	+++++ 9.8	-31.8	-13.2	4.6	13.6	17.0	30	50	30	30	30	30
o-Xylene	-19.4 -13.8	4.6	9.1	10.4	6.8	2.2	50 30	30	30	30	30	30
Styrene	-22.9 -10.6	2.0	10.4	11.6	6.5	2.9	50 30	30	30	30	30	30
Bromoform	-17.5 7.3	-4.9	-3.8	3.6	7.1	8.2	50 30	30	30	30	30	30
Isopropylbenzene	-25.6 -10.4	2.1	6.1	11.9	10.0	5.8	50 30	30	30	30	30	30
Cyclohexanone	-19.2 -5.0	-7.2	-3.6	26.2	3.4	5.5	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-1.8 -4.6	-1.3	-2.4	3.5	3.9	2.6	50 30	30	30	30	30	30
Bromobenzene	-9.3 4.9	0.3	-2.5	1.1	0.7	4.8	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-8.3 -6.4	0.6	-1.7	5.4	6.4	4.0	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-0.5 -5.1	4.8	-1.7	1.0	1.2	0.3	50 30	30	30	30	30	30
N-Propylbenzene	-20.2 -4.4	2.5	2.2	7.0	5.6	7.3	50 30	30	30	30	30	30
2-Chlorotoluene	-12.9 2.3	-0.1	-0.8	2.4	2.9	6.1	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-31.6 4.7	-5.6	-1.0	7.2	11.6	14.7	50 30	30	30	30	30	30
4-Chlorotoluene	-12.2 0.8	1.6	1.2	4.5	1.8	2.3	50 30	30	30	30	30	30
tert-Butylbenzene	+++++ 14.2	-23.0	-14.2	-2.0	8.3	16.7	30	50	30	30	30	30
1,2,4-Trimethylbenzene	-31.6 0.9	-2.2	1.9	8.5	10.5	12.0	50 30	30	30	30	30	30
sec-Butylbenzene	-33.9 2.4	-4.3	-0.4	8.7	12.2	15.3	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-6.4 -8.9	5.5	1.0	4.1	2.4	2.2	50 30	30	30	30	30	30
p-Isopropyltoluene	-34.7 -1.8	-2.9	0.8	9.4	13.6	15.6	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.: 410-245374-1 Analy Batch No.: 713065

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/13/2025 17:45 Calibration End Date: 10/13/2025 19:59 Calibration ID: 77550

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	2.9 -10.5	6.0	0.8	2.7	-0.4	-1.4	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-17.8 -4.1	-0.8	-0.7	5.2	8.3	9.8	50 30	30	30	30	30	30
Benzyl chloride	+++++ -0.2	21.4	-8.3	-6.3	-1.4	2.6	 30	50	30	30	30	30
1,3-Diethylbenzene	-30.1 2.4	-2.2	0.5	7.5	10.5	11.4	50 30	30	30	30	30	30
1,4-Diethylbenzene	-28.0 -2.7	1.7	2.7	8.3	9.3	8.7	50 30	30	30	30	30	30
n-Butylbenzene	-22.7 -6.3	5.9	3.2	7.9	6.4	5.4	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-4.5 -8.0	5.2	0.6	3.2	2.4	1.1	50 30	30	30	30	30	30
1,2-Diethylbenzene	-30.5 3.3	-2.1	-1.4	7.8	10.5	12.5	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-16.0 7.7	-7.2	-5.8	1.2	10.1	10.0	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-10.2 -3.4	2.8	-2.9	3.9	5.8	4.0	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-9.9 -2.8	-0.8	-3.4	3.1	7.7	6.0	50 30	30	30	30	30	30
2-Ethylhexyl acrylate	+++++ -0.7	0.9	-20.2	-14.2	0.1	6.8	 30	50	30	30	30	30
Hexachlorobutadiene	-22.9 6.6	2.6	-4.0	1.6	6.8	9.3	50 30	30	30	30	30	30
Naphthalene	-24.8 -9.6	-2.0	1.2	10.7	14.5	10.0	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-6.1 -7.2	0.5	-2.4	4.5	6.8	3.9	50 30	30	30	30	30	30
2-Methylnaphthalene	+++++ -1.3	-21.4	-11.5	5.0	15.5	13.8	 30	50	30	30	30	30
Dibromofluoromethane (Surr)	4.3 -2.9	1.3	2.6	0.2	-2.6	-2.8	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	0.0 -0.8	0.7	3.3	-0.6	-1.7	-0.9	50 30	30	30	30	30	30
Toluene-d8 (Surr)	2.2 -6.9	3.4	1.7	2.0	-0.1	-2.2	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	4.0 -7.7	5.6	4.5	2.2	-2.5	-6.1	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X11.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 13-Oct-2025 17:45:08 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162959-012
Misc. Info.: IC V1
Operator ID: jml01693 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub91

Method: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 11:05:52 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: UKAD Date: 13-Oct-2025 21:04:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.878	1.872	0.006	92	8956	1.00	0.8882	
5 Chloromethane	50	2.068	2.065	0.003	99	9456	1.00	1.05	
6 Butadiene	39	2.165	2.168	-0.003	87	9411	1.00	1.22	
7 Vinyl chloride	62	2.177	2.174	0.003	96	8230	1.00	0.9877	
9 Bromomethane	94	2.512	2.496	0.016	90	5826	1.00	1.03	
10 Chloroethane	64	2.566	2.563	0.003	38	5402	1.00	1.11	
11 Dichlorofluoromethane	67	2.808	2.801	0.007	96	12518	1.00	1.00	
12 Pentane	43	2.865	2.853	0.012	88	9640	1.00	1.04	
13 Trichlorofluoromethane	101	2.882	2.869	0.013	39	11093	1.00	1.00	
15 Ethyl ether	59	3.081	3.052	0.029	75	4164	1.00	0.9444	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.203	3.197	0.006	43	6958	1.00	1.03	M
17 Acrolein	56	3.238	3.226	0.012	99	17548	9.76	9.93	
18 1,1-Dichloroethene	96	3.373	3.358	0.015	56	5461	1.00	1.05	
19 Acetone	58	3.415	3.399	0.016	67	1352	2.00	1.77	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.425	3.428	-0.003	30	4634	1.00	0.8766	
22 Iodomethane	142	3.563	3.570	-0.007	72	9803	1.00	0.9899	
21 Isopropyl alcohol	45	3.631	3.618	0.013	28	2265	5.00	4.53	M
23 Carbon disulfide	76	3.666	3.669	-0.003	99	18026	1.00	0.9746	
25 Methyl acetate	43	3.820	3.795	0.025	53	4378	1.00	0.8063	
26 3-Chloro-1-propene	41	3.827	3.821	0.006	93	8965	1.00	1.04	
27 Methylene Chloride	84	4.013	4.004	0.009	90	6107	1.00	1.00	
* 28 t-Butyl alcohol-d10 (IS)	65	4.103	4.084	0.019	82	182079	250.0	250.0	
29 2-Methyl-2-propanol	59	4.226	4.219	0.007	5	2009	5.00	2.57	
30 Acrylonitrile	53	4.361	4.338	0.023	98	7981	2.50	2.48	
32 trans-1,2-Dichloroethene	96	4.402	4.396	0.006	86	6298	1.00	1.05	
31 Methyl tert-butyl ether	73	4.393	4.425	-0.032	78	15313	1.00	0.9429	
35 Hexane	57	4.865	4.833	0.032	67	6199	1.00	0.8664	
36 1,1-Dichloroethane	63	5.090	5.084	0.006	94	9931	1.00	1.02	
38 Isopropyl ether	45	5.152	5.145	0.007	85	14769	1.00	0.9244	
39 2-Chloro-1,3-butadiene	53	5.203	5.187	0.016	52	6765	1.00	0.8614	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.672	5.685	-0.013	78	12376	1.00	0.8653	M
41 2-Butanone (MEK)	43	5.949	5.933	0.016	29	5661	2.00	1.81	M
42 cis-1,2-Dichloroethene	96	5.949	5.933	0.016	79	6510	1.00	1.03	
43 2,2-Dichloropropane	77	5.959	5.959	0.000	46	6028	1.00	0.8903	M
45 Propionitrile	54	6.055	6.023	0.032	30	4847	5.00	4.41	
46 Methyl acrylate	55	6.081	6.039	0.042	3	3255	1.00	0.5822	M
S 47 1,2-Dichloroethene, Total	100				0			2.08	
48 Methacrylonitrile	67	6.245	6.226	0.019	71	5125	2.50	1.84	
49 Chlorobromomethane	128	6.264	6.267	-0.003	92	3249	1.00	0.9731	
50 Tetrahydrofuran	71	6.296	6.277	0.019	31	1544	5.00	4.07	M
51 Chloroform	83	6.422	6.419	0.003	92	9720	1.00	1.01	
$ 52 Dibromofluoromethane (Surr)	113	6.643	6.640	0.003	94	260519	50.0	52.1	
53 1,1,1-Trichloroethane	97	6.643	6.647	-0.004	40	7699	1.00	0.9488	
54 Cyclohexane	56	6.746	6.747	0.000	85	8131	1.00	0.8497	
55 1,1-Dichloropropene	75	6.862	6.859	0.003	90	6389	1.00	0.9064	
56 Carbon tetrachloride	117	6.869	6.862	0.007	74	5849	1.00	0.8634	
57 Isobutyl alcohol	41	7.123	7.071	0.052	32	1840	12.5	9.44	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.103	7.100	0.003	73	61955	50.0	50.0	
59 Benzene	78	7.129	7.126	0.003	67	21439	1.00	0.9693	
60 1,2-Dichloroethane	62	7.213	7.203	0.010	97	7512	1.00	1.02	
62 Tert-amyl methyl ether	73	7.319	7.312	0.007	93	10580	1.00	0.7958	
* 63 Fluorobenzene (IS)	96	7.537	7.541	-0.004	99	995904	50.0	50.0	
64 n-Heptane	43	7.544	7.547	-0.003	47	7470	1.00	0.99	
66 n-Butanol	56		7.975				ND	ND	
67 Trichloroethene	95	8.016	8.013	0.003	94	5410	1.00	0.9784	
68 Ethyl acrylate	55	8.148	8.148	0.000	1	1813	1.00	4.45	M
69 Methylcyclohexane	83	8.312	8.322	-0.010	73	8109	1.00	0.8008	
70 1,2-Dichloropropane	63	8.360	8.361	-0.001	84	4796	1.00	0.9341	
71 2-ethoxy-2-methyl butane	87	8.357	8.361	-0.004	94	4832	1.00	0.7278	
72 Methyl methacrylate	69	8.457	8.447	0.010	56	1360	1.00	3.39	
74 Dibromomethane	93	8.473	8.463	0.010	91	3324	1.00	0.9787	
73 1,4-Dioxane	88		8.470				ND	ND	
76 Dichlorobromomethane	83	8.708	8.705	0.003	96	5965	1.00	0.9294	
77 2-Nitropropane	41	8.987	8.994	-0.007	97	4629	5.00	7.13	
78 2-Chloroethyl vinyl ether	63	9.081	9.078	0.003	90	1738	1.00	0.5974	M
79 cis-1,3-Dichloropropene	75	9.267	9.261	0.006	96	5446	1.00	0.7683	
80 4-Methyl-2-pentanone (MIBK)	43	9.463	9.454	0.009	94	6983	2.00	1.07	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	911145	50.0	51.1	
83 Toluene	92	9.656	9.653	0.003	98	11608	1.00	0.9470	
95 trans-1,3-Dichloropropene	75	9.920	9.923	-0.003	92	4273	1.00	0.7784	
96 Ethyl methacrylate	69	9.994	9.991	0.003	94	2880	1.00	0.5028	
S 116 1,3-Dichloropropene, Total	100				0			1.55	
118 1,1,2-Trichloroethane	97	10.129	10.132	-0.003	90	4337	1.00	1.01	
119 Tetrachloroethene	166	10.206	10.206	0.000	96	5645	1.00	0.9529	
120 1,3-Dichloropropane	76	10.293	10.293	0.000	94	6256	1.00	0.9466	
122 2-Hexanone	43	10.357	10.354	0.003	97	4954	2.00	1.45	
124 Chlorodibromomethane	129	10.511	10.508	0.003	92	3857	1.00	0.8378	
125 Ethylene Dibromide	107	10.621	10.615	0.006	98	3763	1.00	0.9304	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	672708	50.0	50.0	
127 1-Chlorohexane	91	11.061	11.065	-0.004	80	6118	1.00	1.00	M
128 Chlorobenzene	112	11.081	11.078	0.003	91	13298	1.00	0.9786	
132 1,1,1,2-Tetrachloroethane	131	11.164	11.161	0.003	78	4455	1.00	0.8752	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
133 Ethylbenzene	91	11.164	11.164	0.000	99	20856	1.00	0.8911	
S 134 Xylenes, Total	106				0			2.52	
135 m-Xylene & p-Xylene	106	11.283	11.280	0.003	99	16004	2.00	1.71	
136 n-Butyl acrylate	55	11.573	11.569	0.004	95	4004	1.00	0.5323	M
137 o-Xylene	106	11.614	11.611	0.003	95	7942	1.00	0.8060	
138 Styrene	104	11.627	11.627	0.000	94	11050	1.00	0.7710	
139 Bromoform	173	11.785	11.782	0.003	96	2789	1.00	0.8247	
140 Isopropylbenzene	105	11.910	11.914	-0.004	95	18664	1.00	0.7444	
142 Cyclohexanone	55	11.994	11.994	0.000	92	5687	50.0	40.4	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	95	332209	50.0	52.0	
146 1,1,2,2-Tetrachloroethane	83	12.167	12.164	0.003	96	8216	1.00	0.9821	
147 Bromobenzene	156	12.174	12.171	0.003	91	6393	1.00	0.9071	
148 trans-1,4-Dichloro-2-butene	53	12.190	12.190	0.000	80	4492	2.50	2.29	
149 1,2,3-Trichloropropane	110	12.209	12.209	0.000	82	2682	1.00	1.00	
150 N-Propylbenzene	91	12.241	12.241	0.000	98	25407	1.00	0.7980	
151 2-Chlorotoluene	126	12.315	12.315	0.000	97	6097	1.00	0.8709	
152 1,3,5-Trimethylbenzene	105	12.380	12.380	0.000	94	16132	1.00	0.6839	
153 4-Chlorotoluene	126	12.408	12.409	-0.001	95	5807	1.00	0.8781	
155 tert-Butylbenzene	134	12.621	12.621	0.000	93	2981	1.00	0.5662	
157 1,2,4-Trimethylbenzene	105	12.666	12.663	0.003	96	16810	1.00	0.6843	
158 sec-Butylbenzene	105	12.781	12.785	-0.004	94	19838	1.00	0.6608	
159 1,3-Dichlorobenzene	146	12.881	12.881	0.000	97	13433	1.00	0.9363	
160 4-Isopropyltoluene	119	12.891	12.891	0.000	96	17505	1.00	0.6529	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	465454	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.955	12.955	0.000	95	14878	1.00	1.03	
163 1,2,3-Trimethylbenzene	105	12.965	12.965	0.000	95	21089	1.00	0.8223	
165 Benzyl chloride	91	13.032	13.032	0.000	98	7422	1.00	3.07	
166 1,3-Diethylbenzene	119	13.090	13.094	-0.004	94	10802	1.00	0.6987	
167 p-Diethylbenzene	119	13.164	13.161	0.003	94	12301	1.00	0.7202	
168 n-Butylbenzene	92	13.180	13.184	-0.004	97	10323	1.00	0.7733	
169 1,2-Dichlorobenzene	146	13.212	13.212	0.000	98	14557	1.00	0.9553	
170 o-diethylbenzene	119	13.235	13.235	0.000	93	9184	1.00	0.6948	
172 1,2-Dibromo-3-Chloropropane	75	13.762	13.756	0.006	88	1733	1.00	0.8404	
173 1,3,5-Trichlorobenzene	180	13.878	13.878	0.000	98	12142	1.00	0.8977	
174 1,2,4-Trichlorobenzene	180	14.302	14.302	0.000	94	11954	1.00	0.9010	
175 2-Ethylhexyl acrylate	55	14.363	14.367	-0.004	87	3733	1.00	2.50	
176 Hexachlorobutadiene	225	14.383	14.383	0.000	94	4487	1.00	0.7711	
177 Naphthalene	128	14.482	14.483	-0.001	97	28716	1.00	0.7518	
178 1,2,3-Trichlorobenzene	180	14.624	14.624	0.000	96	12408	1.00	0.9390	
179 2-Methylnaphthalene	142	15.235	15.235	0.000	91	12617	1.00	0.5847	
S 211 Total Diethylbenzene	1				0			2.11	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_4ppbEE_00646	Amount Added:	12.50	Units: mL	
MSV_HP23_ISSS_00017	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 14-Oct-2025 11:05:53 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X11.D

Injection Date: 13-Oct-2025 17:45:08 Instrument ID: 9915 Operator ID: jml01693

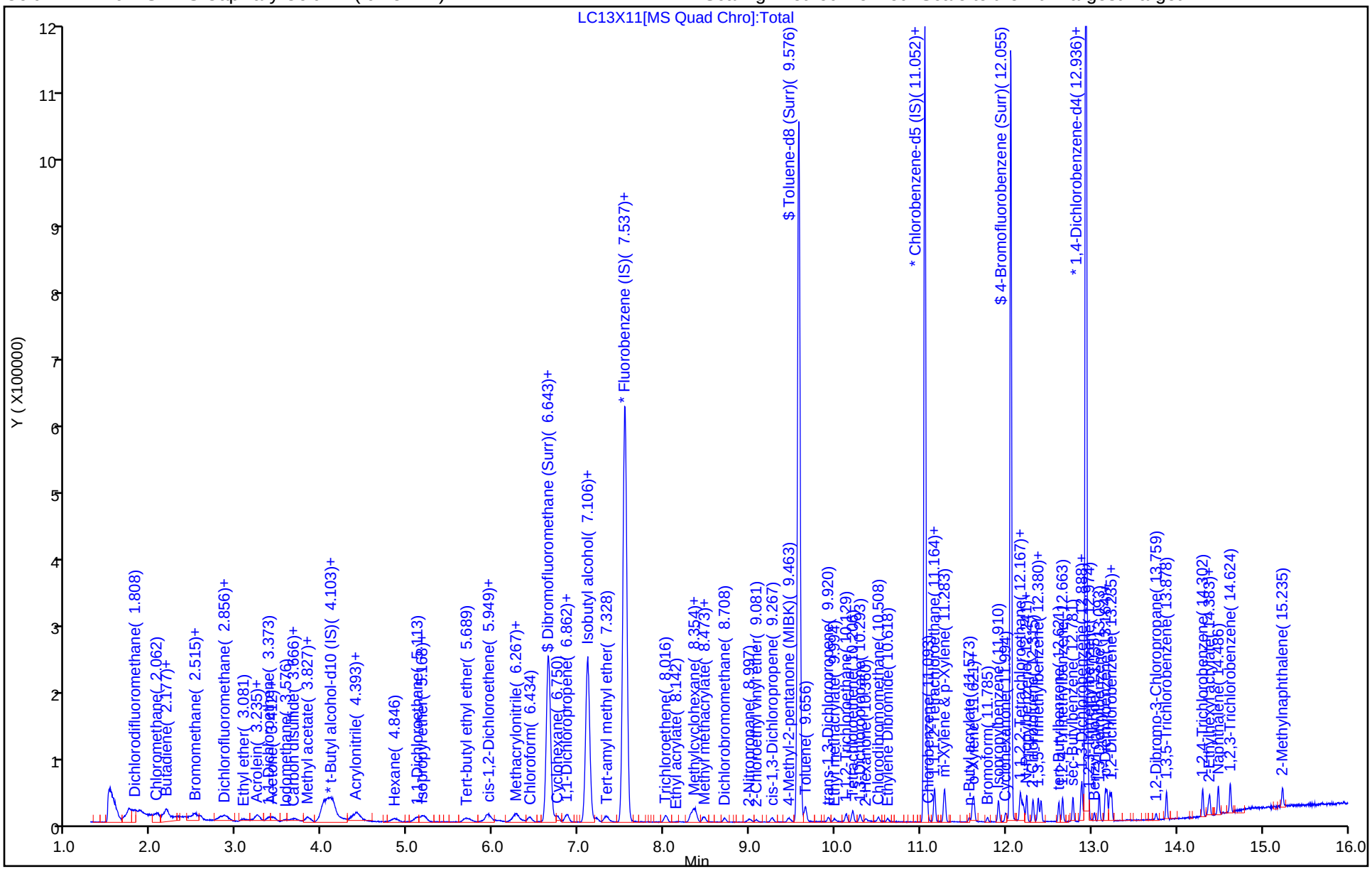
Lims ID: IC v1 Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSVoa_9915a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

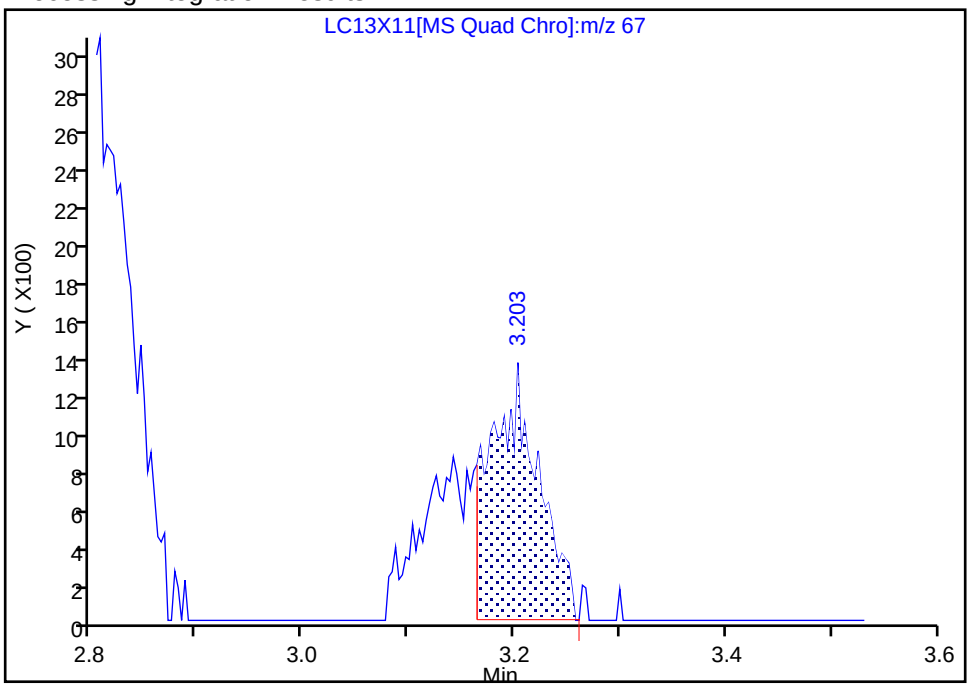
Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X11.D
Injection Date: 13-Oct-2025 17:45:08 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: jml01693 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

16 1,2-Dichloro-1,1,2-trifluoroetha, CAS: 354-23-4

Signal: 1

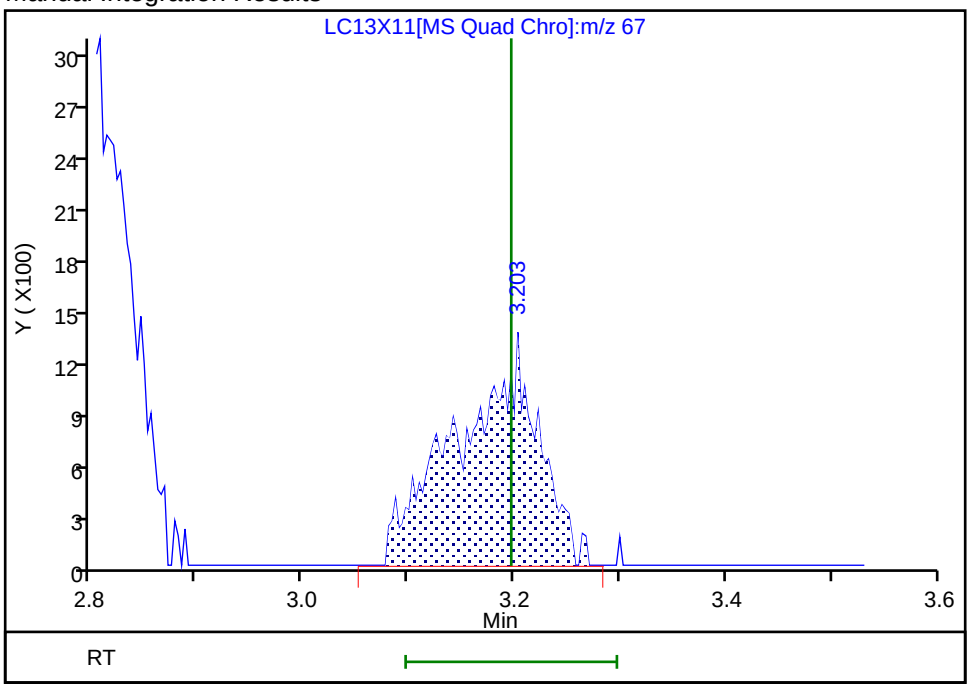
Processing Integration Results

RT: 3.20
Area: 4185
Amount: 0.656028
Amount Units: ug/l



Manual Integration Results

RT: 3.20
Area: 6958
Amount: 1.026943
Amount Units: ug/l



Reviewer: UCB5, 14-Oct-2025 09:58:34 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

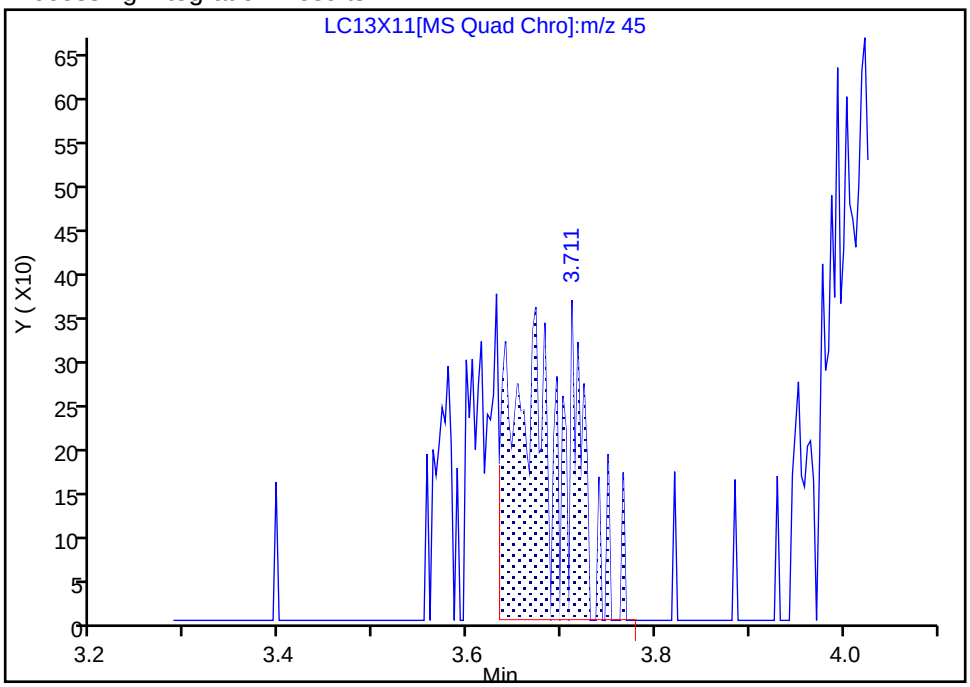
Data File:	\\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X11.D				
Injection Date:	13-Oct-2025 17:45:08	Instrument ID:	9915		
Lims ID:	IC v1				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

21 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

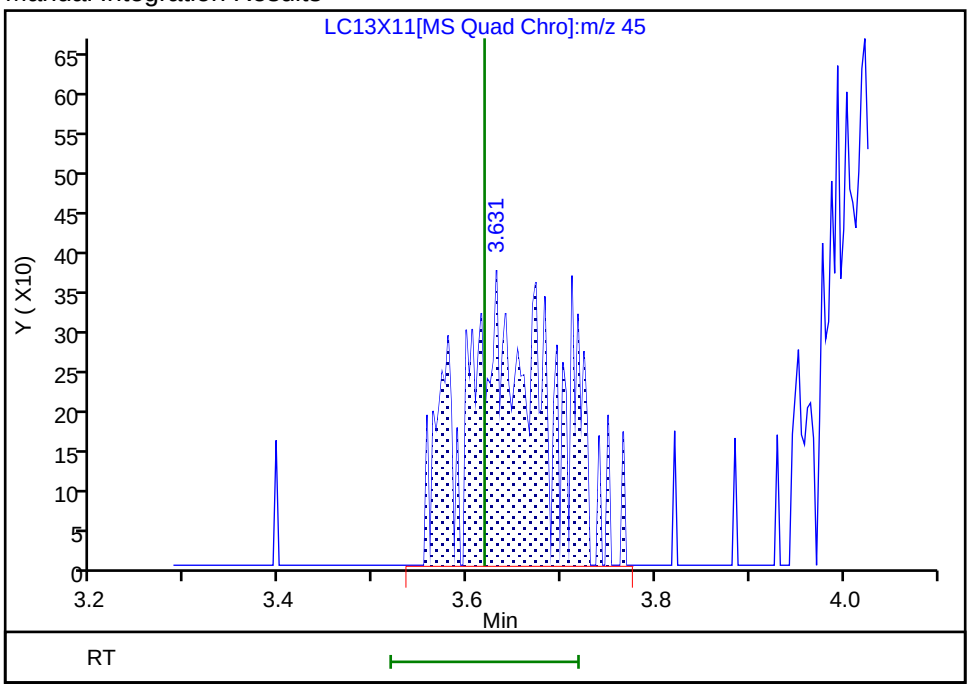
Processing Integration Results

RT: 3.71
Area: 1352
Amount: 3.038219
Amount Units: ug/l



Manual Integration Results

RT: 3.63
Area: 2265
Amount: 4.529505
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 21:02:23 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

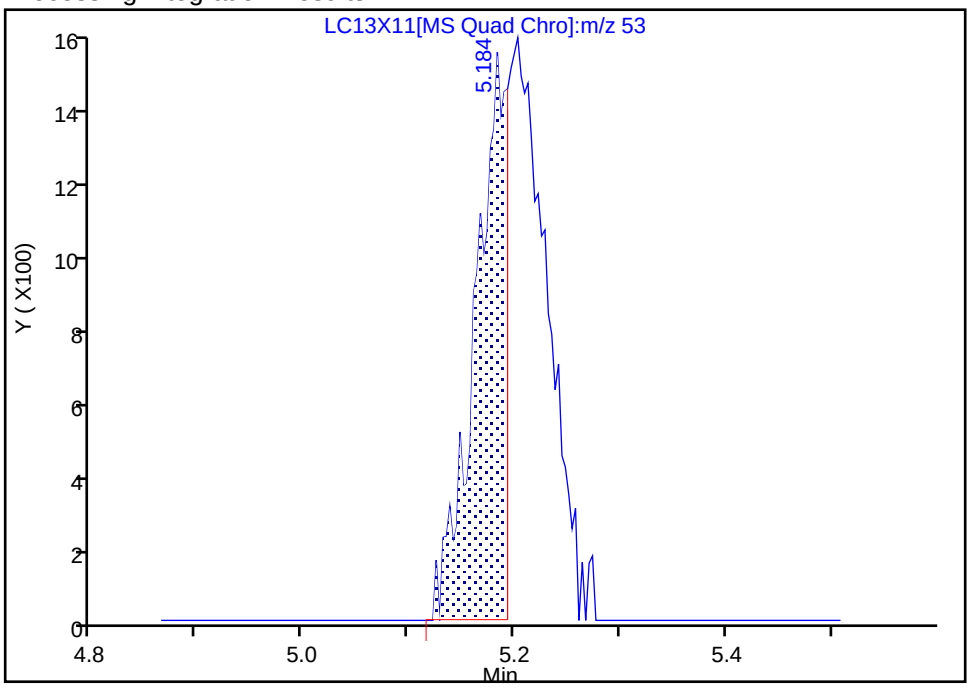
Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X11.D
Injection Date: 13-Oct-2025 17:45:08 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: jml01693 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

39 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

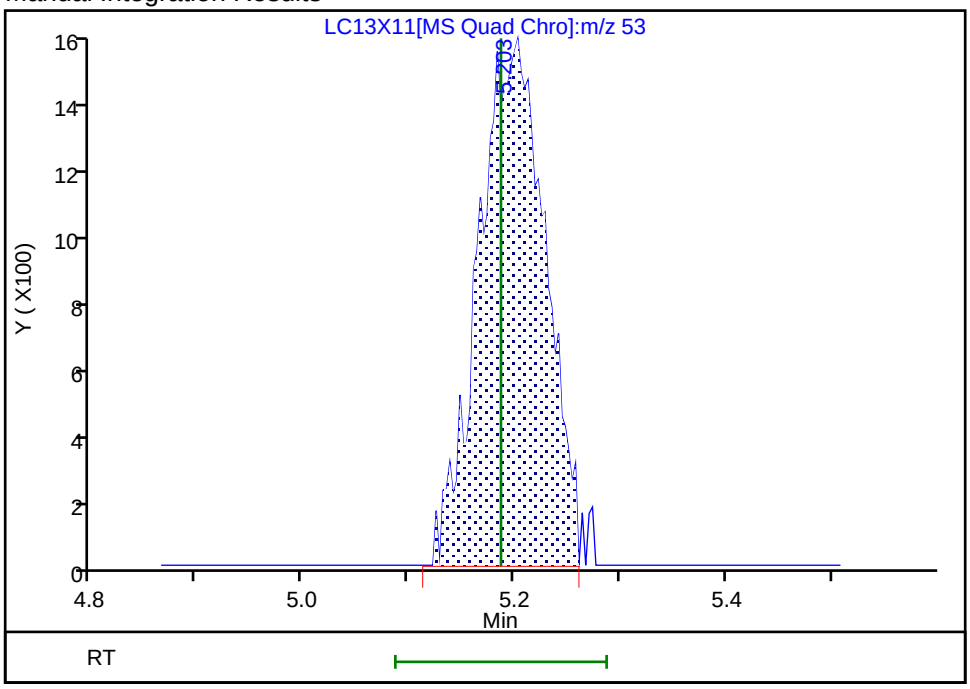
Processing Integration Results

RT: 5.18
Area: 3110
Amount: 0.969355
Amount Units: ug/l



Manual Integration Results

RT: 5.20
Area: 6765
Amount: 0.861382
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 21:02:33 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

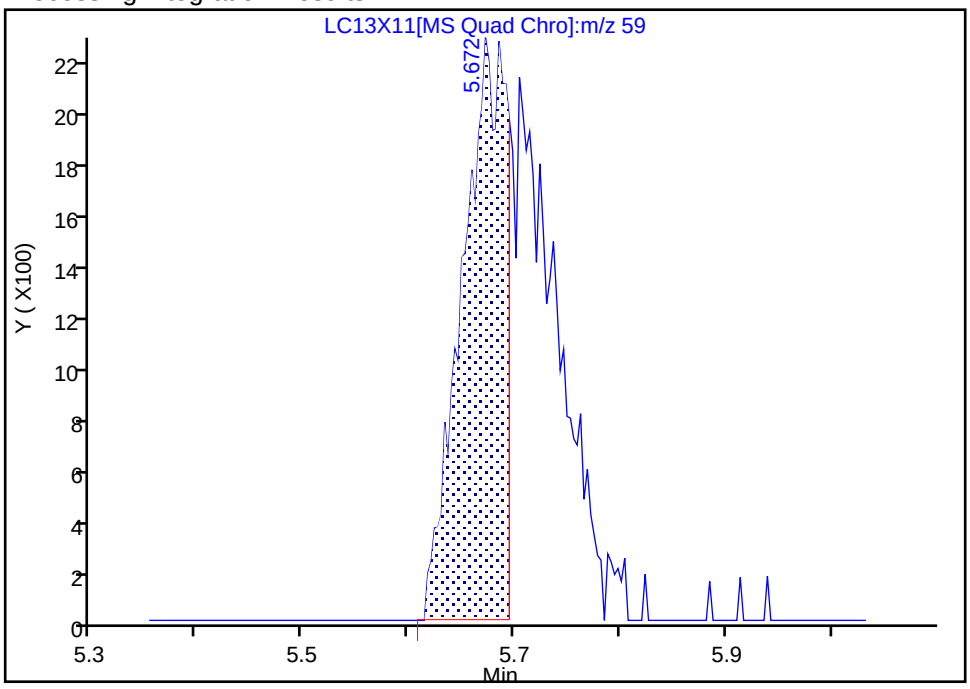
Data File:	\\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X11.D				
Injection Date:	13-Oct-2025 17:45:08	Instrument ID:	9915		
Lims ID:	IC v1				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

40 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

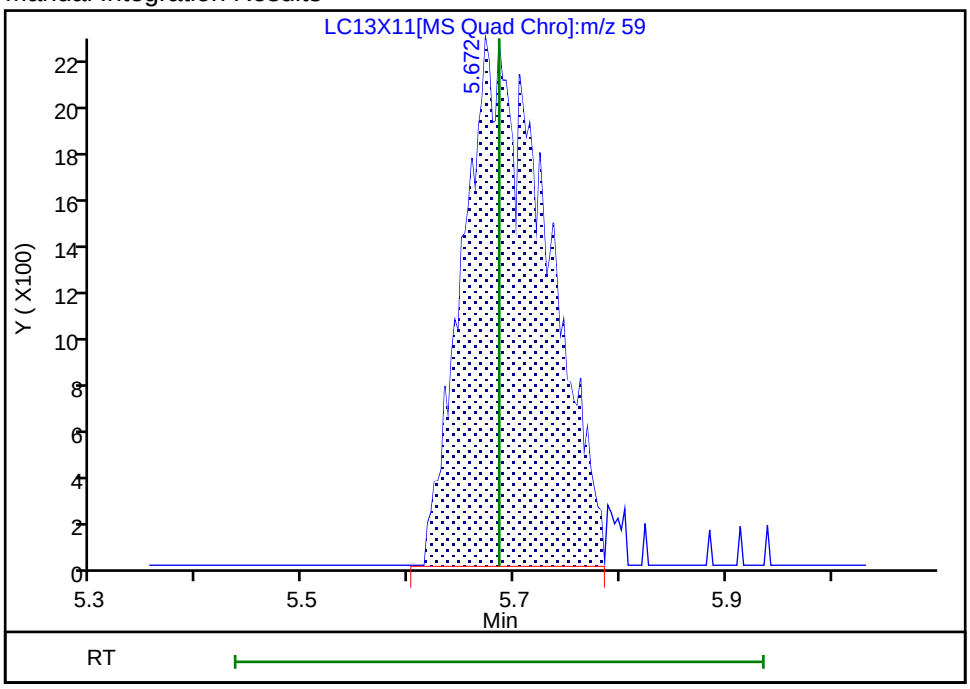
Processing Integration Results

RT: 5.67
Area: 6506
Amount: 1.357518
Amount Units: ug/l



Manual Integration Results

RT: 5.67
Area: 12376
Amount: 0.865337
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 21:02:40 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

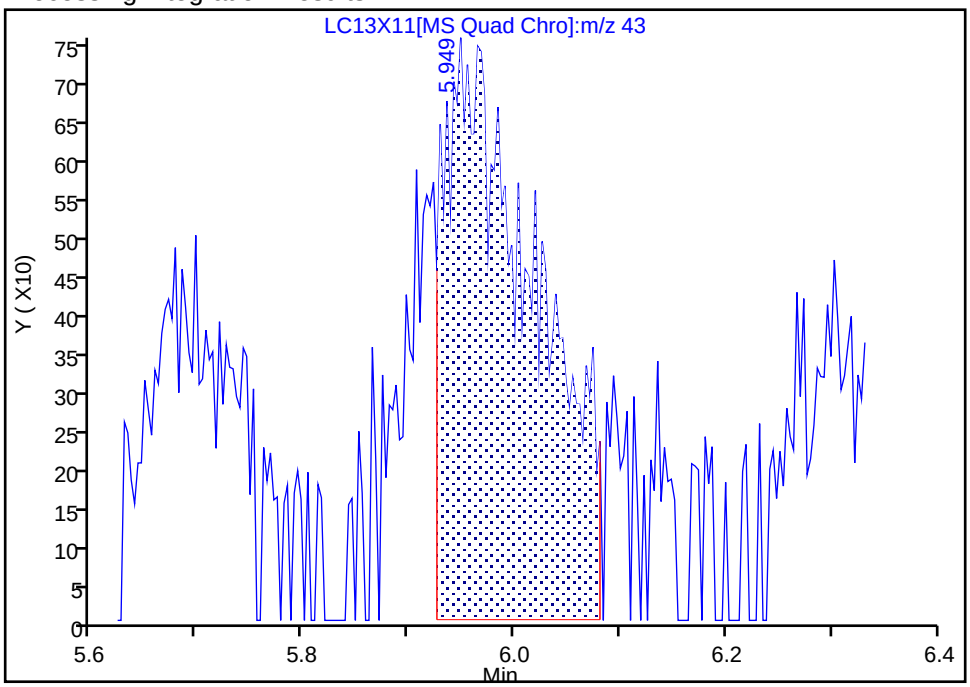
Data File:	\\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X11.D				
Injection Date:	13-Oct-2025 17:45:08	Instrument ID:	9915		
Lims ID:	IC v1				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

41 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

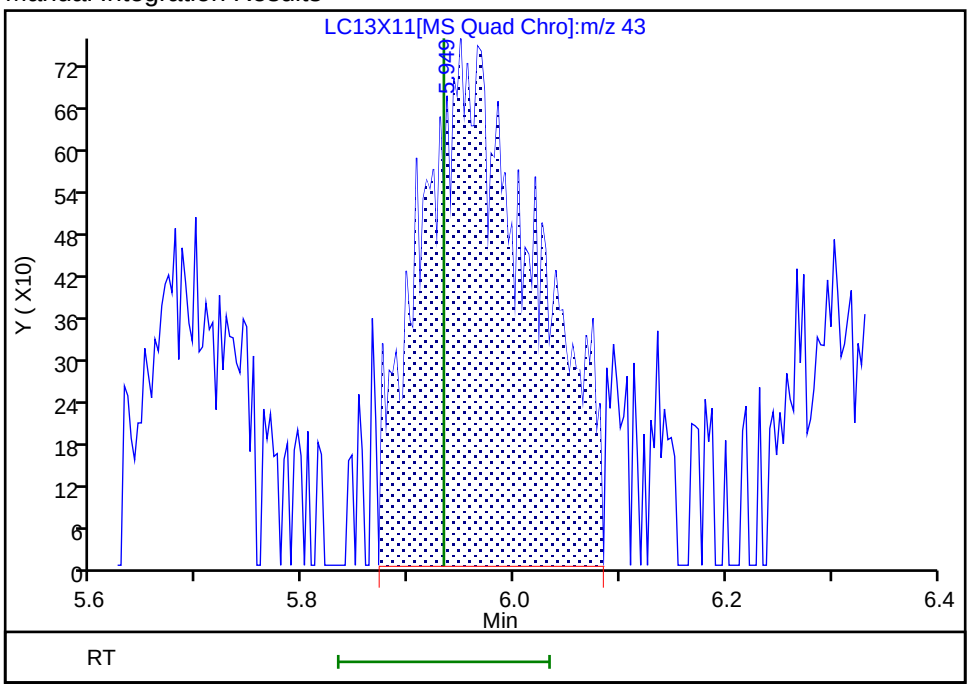
Processing Integration Results

RT: 5.95
Area: 4486
Amount: 1.471088
Amount Units: ug/l



Manual Integration Results

RT: 5.95
Area: 5661
Amount: 1.806680
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 21:02:49 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

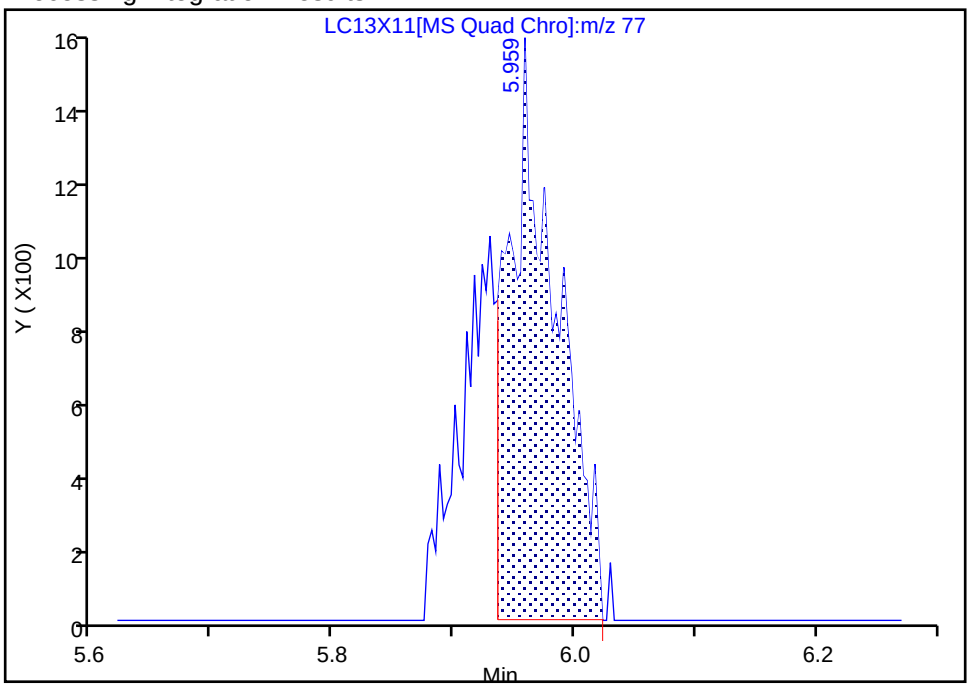
Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X11.D
Injection Date: 13-Oct-2025 17:45:08 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: jml01693 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

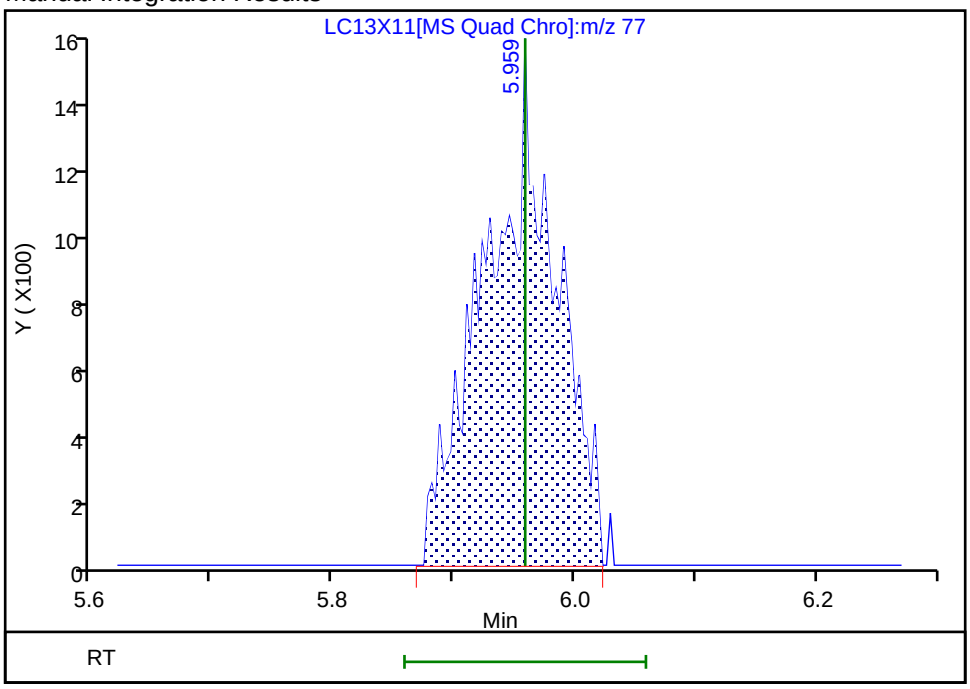
Processing Integration Results

RT: 5.96
Area: 4126
Amount: 0.634865
Amount Units: ug/l



Manual Integration Results

RT: 5.96
Area: 6028
Amount: 0.890302
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 21:02:57 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

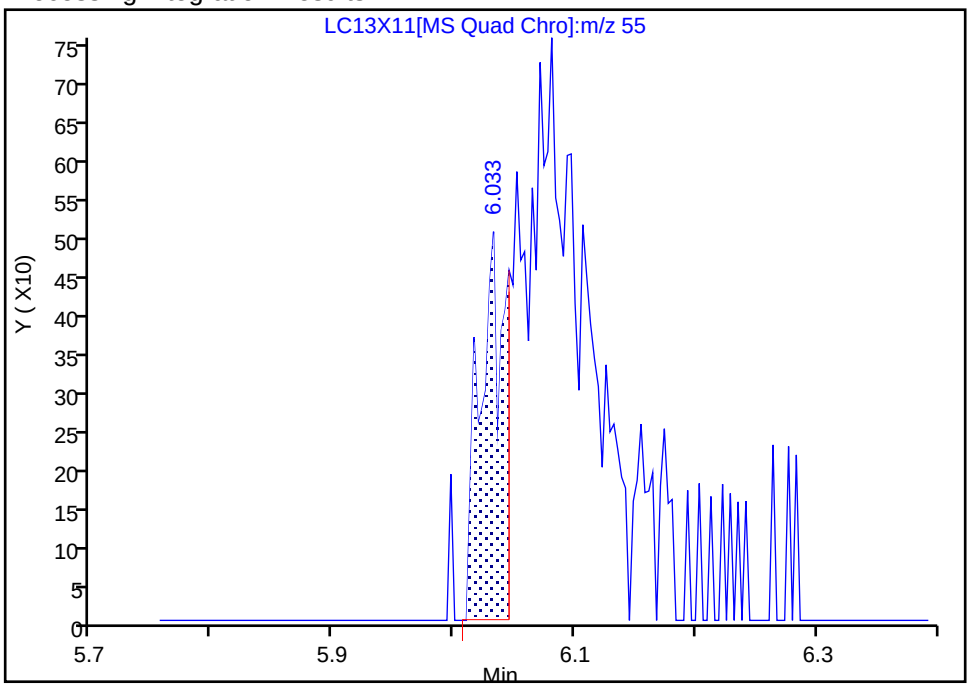
Data File:	\\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X11.D				
Injection Date:	13-Oct-2025 17:45:08	Instrument ID:	9915		
Lims ID:	IC v1				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

46 Methyl acrylate, CAS: 96-33-3

Signal: 1

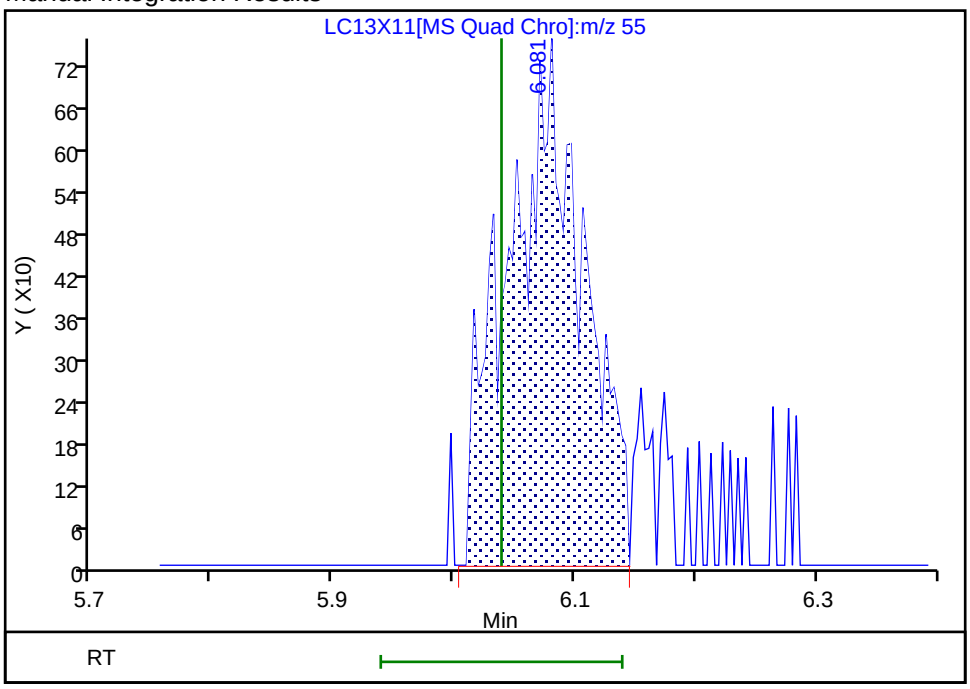
Processing Integration Results

RT: 6.03
Area: 729
Amount: 1.030224
Amount Units: ug/l



Manual Integration Results

RT: 6.08
Area: 3255
Amount: 0.582165
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 21:03:08 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

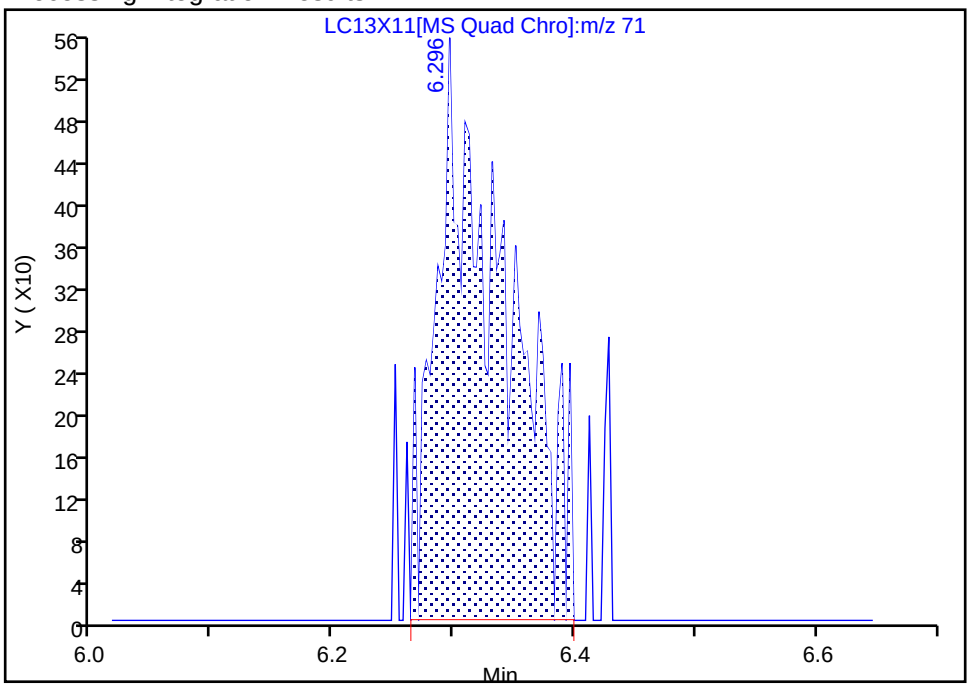
Data File:	\\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X11.D				
Injection Date:	13-Oct-2025 17:45:08	Instrument ID:	9915		
Lims ID:	IC v1				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

50 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

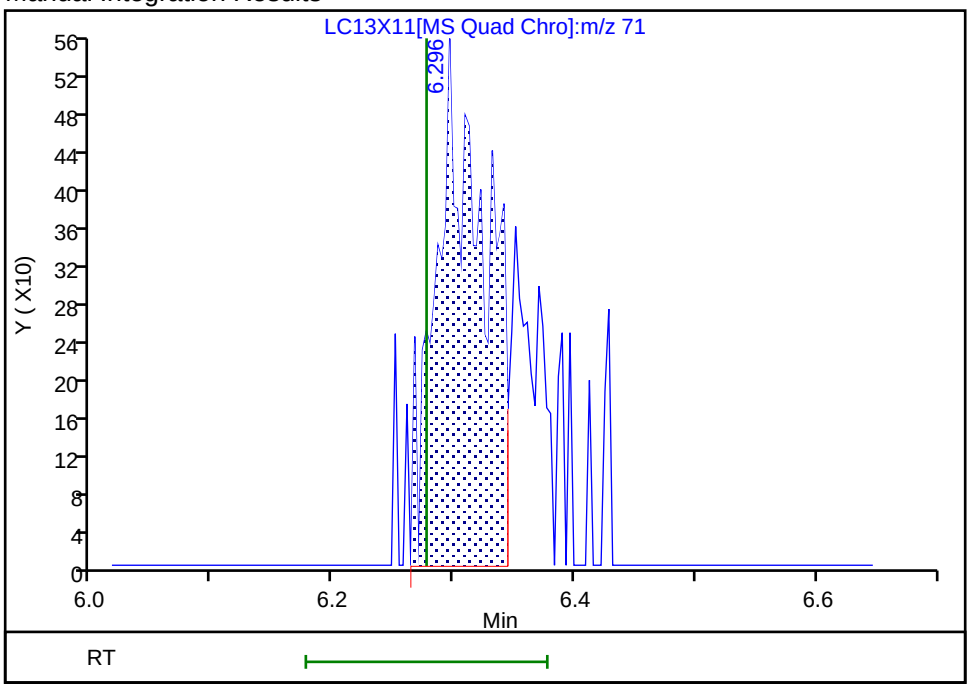
Processing Integration Results

RT: 6.30
Area: 2185
Amount: 4.650506
Amount Units: ug/l



Manual Integration Results

RT: 6.30
Area: 1544
Amount: 4.072659
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 21:14:08 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

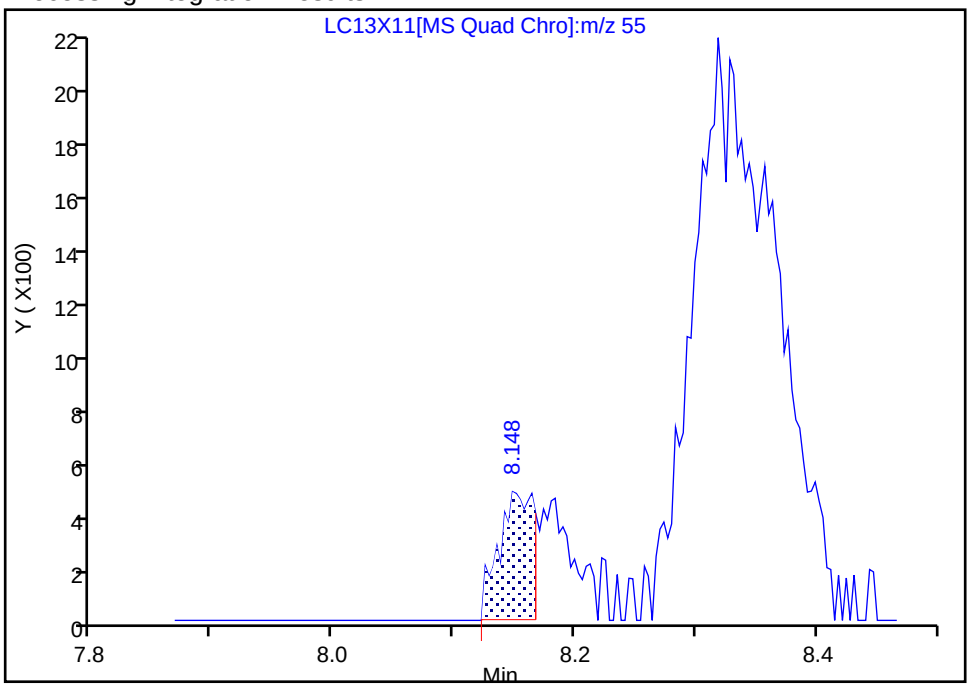
Data File:	\\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X11.D				
Injection Date:	13-Oct-2025 17:45:08	Instrument ID:	9915		
Lims ID:	IC v1				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

68 Ethyl acrylate, CAS: 140-88-5

Signal: 1

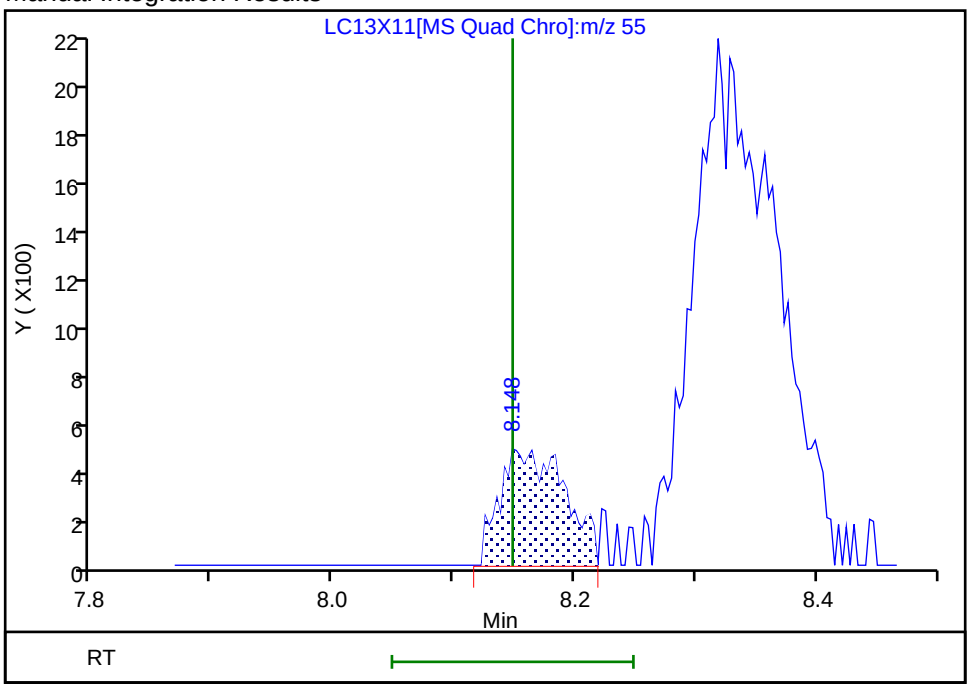
Processing Integration Results

RT: 8.15
Area: 964
Amount: 0.233862
Amount Units: ug/l



Manual Integration Results

RT: 8.15
Area: 1813
Amount: 4.446204
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 21:03:23 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

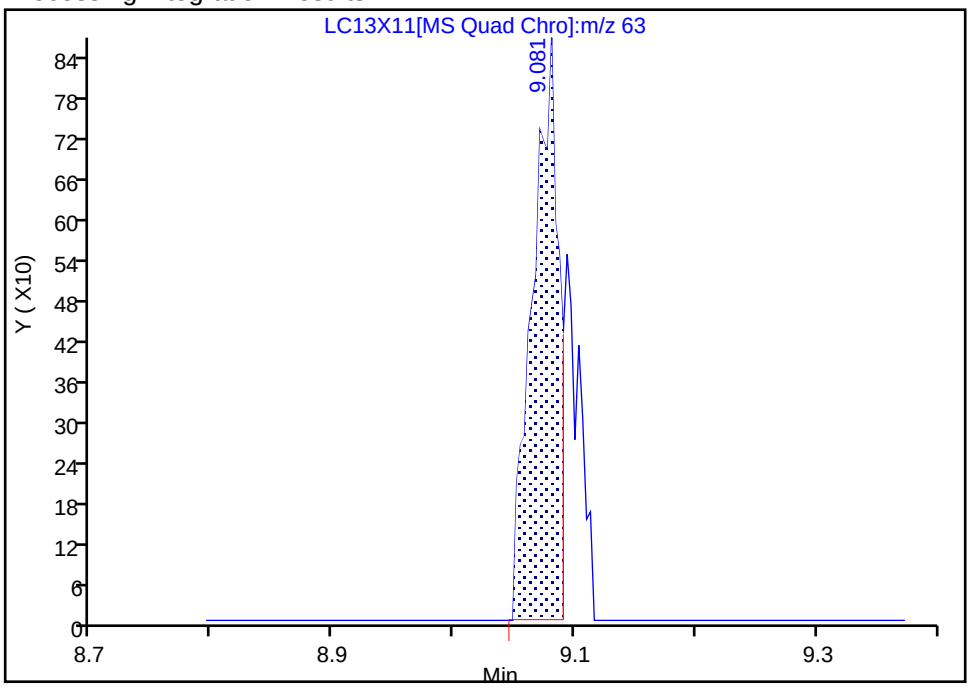
Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X11.D
Injection Date: 13-Oct-2025 17:45:08 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: jml01693 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

78 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

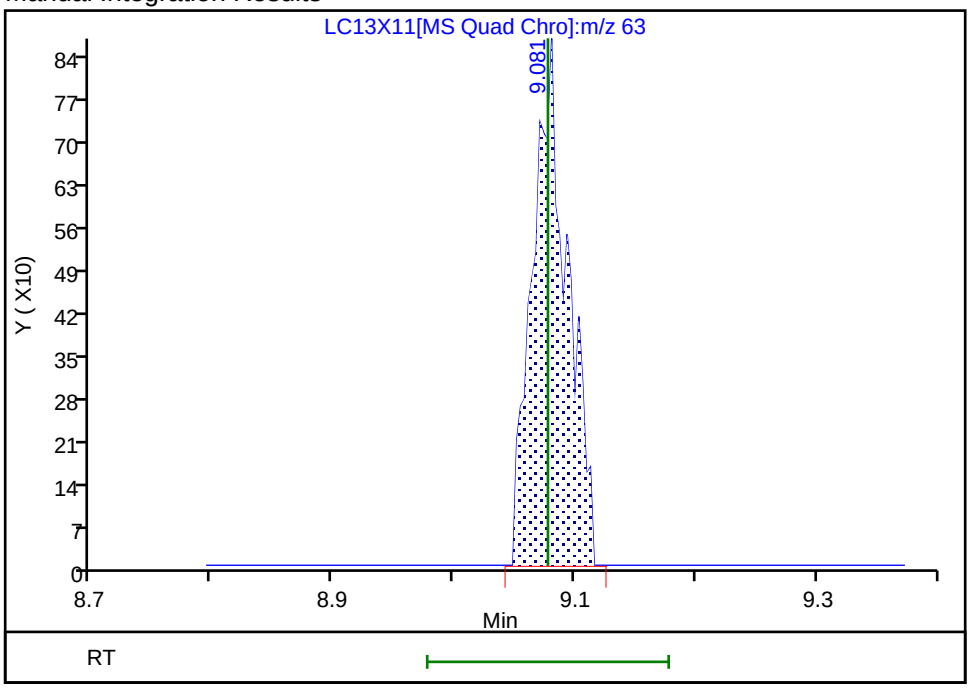
Processing Integration Results

RT: 9.08
Area: 1295
Amount: 1.442813
Amount Units: ug/l



Manual Integration Results

RT: 9.08
Area: 1738
Amount: 0.597434
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 21:03:40 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

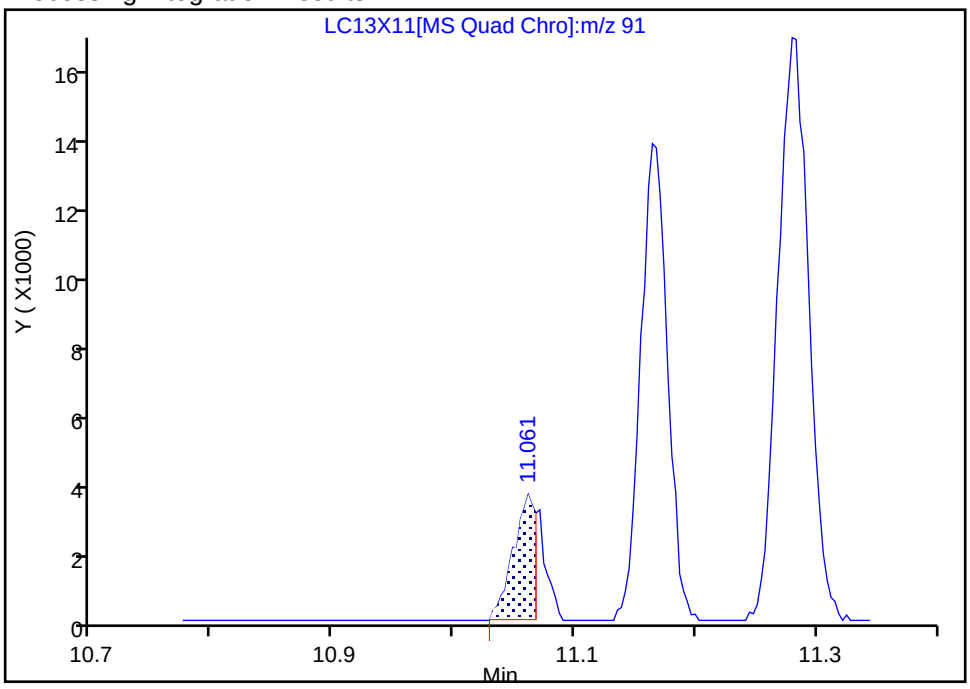
Data File:	\\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X11.D				
Injection Date:	13-Oct-2025 17:45:08	Instrument ID:	9915		
Lims ID:	IC v1				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

127 1-Chlorohexane, CAS: 544-10-5

Signal: 1

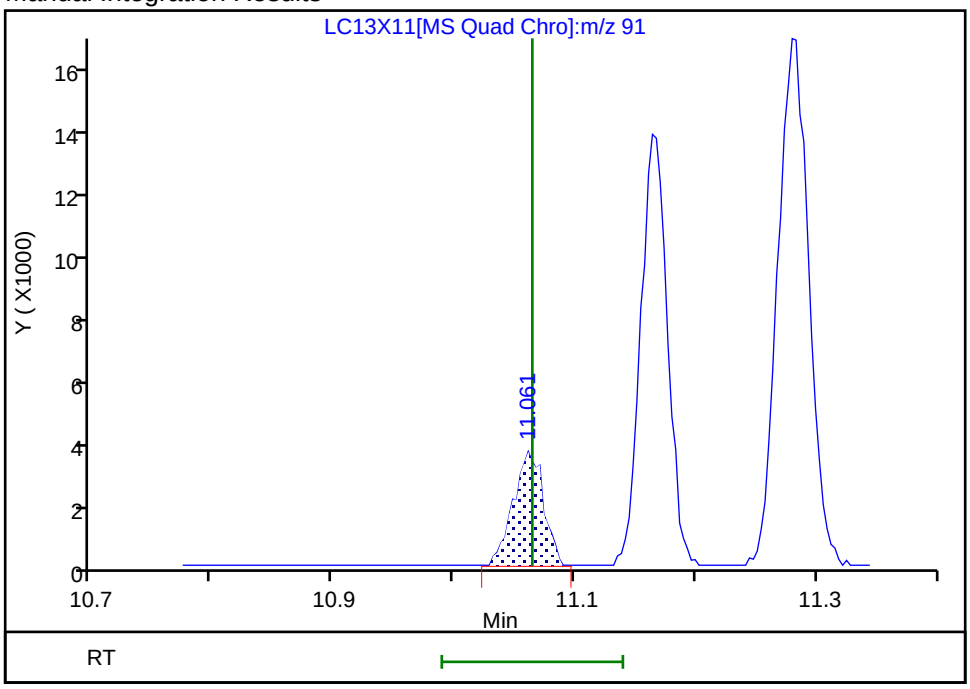
Processing Integration Results

RT: 11.06
Area: 4594
Amount: 0.781814
Amount Units: ug/l



Manual Integration Results

RT: 11.06
Area: 6118
Amount: 1.003973
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 21:03:51 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

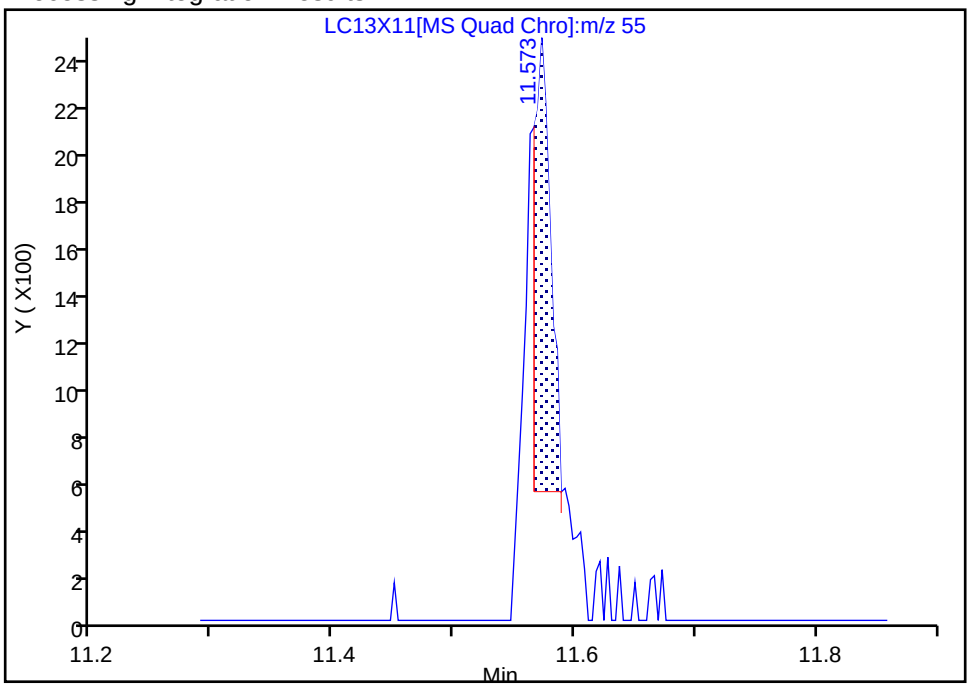
Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X11.D
Injection Date: 13-Oct-2025 17:45:08 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: jml01693 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

136 n-Butyl acrylate, CAS: 141-32-2

Signal: 1

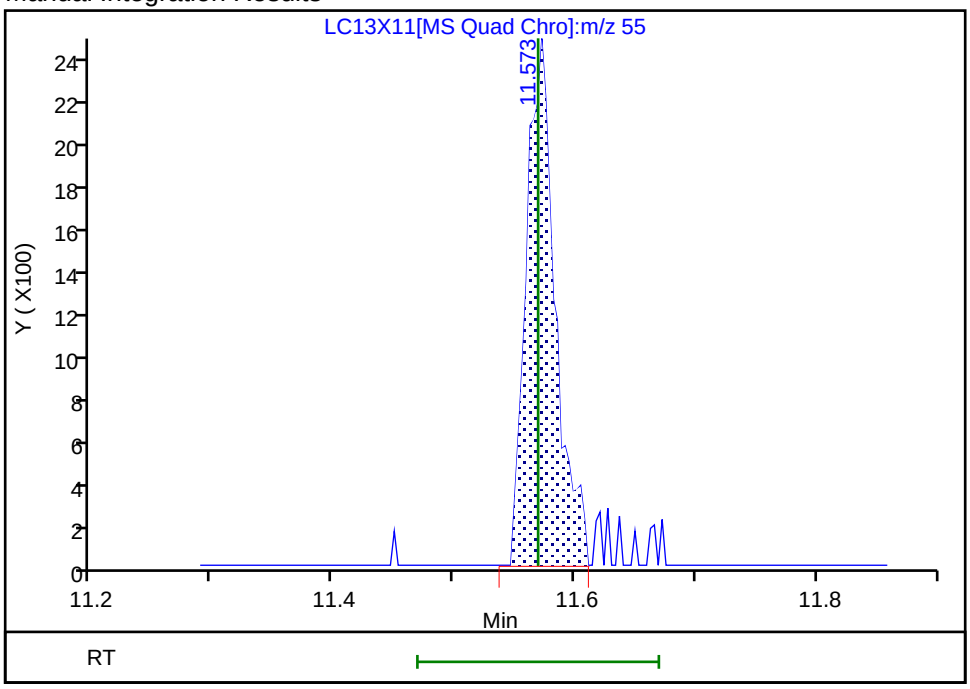
Processing Integration Results

RT: 11.57
Area: 1744
Amount: 1.212808
Amount Units: ug/l



Manual Integration Results

RT: 11.57
Area: 4004
Amount: 0.532338
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 21:03:58 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X12.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 13-Oct-2025 18:07:34 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162959-013
Misc. Info.: IC V4
Operator ID: jml01693 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub91

Method: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 11:06:10 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: UKAD Date: 13-Oct-2025 21:01:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.869	1.872	-0.003	99	43235	4.00	4.36	
5 Chloromethane	50	2.068	2.065	0.003	99	40302	4.00	4.55	
6 Butadiene	39	2.161	2.168	-0.007	86	35426	4.00	4.68	
7 Vinyl chloride	62	2.174	2.174	0.000	98	37404	4.00	4.57	
9 Bromomethane	94	2.496	2.496	0.000	89	25659	4.00	4.64	
10 Chloroethane	64	2.557	2.563	-0.006	98	22584	4.00	4.73	
11 Dichlorofluoromethane	67	2.804	2.801	0.003	96	55394	4.00	4.52	
12 Pentane	43	2.859	2.853	0.006	97	38758	4.00	4.26	
13 Trichlorofluoromethane	101	2.872	2.869	0.003	96	48006	4.00	4.42	
15 Ethyl ether	59	3.071	3.052	0.019	95	17302	4.00	3.99	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.181	3.197	-0.016	76	30199	4.00	4.54	
17 Acrolein	56	3.232	3.226	0.006	100	72850	39.0	39.1	
18 1,1-Dichloroethene	96	3.370	3.358	0.012	98	22244	4.00	4.37	
19 Acetone	58	3.422	3.399	0.023	86	6677	8.00	8.32	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.435	3.428	0.007	90	23540	4.00	4.53	
22 Iodomethane	142	3.560	3.570	-0.010	96	42005	4.00	4.32	
21 Isopropyl alcohol	45	3.621	3.618	0.003	29	11193	20.0	21.3	
23 Carbon disulfide	76	3.669	3.669	0.000	98	81236	4.00	4.47	
25 Methyl acetate	43	3.801	3.795	0.006	77	22592	4.00	4.23	
26 3-Chloro-1-propene	41	3.830	3.821	0.009	92	35748	4.00	4.22	
27 Methylene Chloride	84	4.020	4.004	0.016	92	26463	4.00	4.42	
* 28 t-Butyl alcohol-d10 (IS)	65	4.100	4.084	0.016	82	191667	250.0	250.0	
29 2-Methyl-2-propanol	59	4.210	4.219	-0.009	49	17451	20.0	21.2	
30 Acrylonitrile	53	4.357	4.338	0.019	99	32751	10.0	10.4	
32 trans-1,2-Dichloroethene	96	4.406	4.396	0.010	97	25852	4.00	4.40	
31 Methyl tert-butyl ether	73	4.409	4.425	-0.016	79	64469	4.00	4.04	
35 Hexane	57	4.843	4.833	0.010	92	28522	4.00	4.06	
36 1,1-Dichloroethane	63	5.087	5.084	0.003	95	41404	4.00	4.33	
38 Isopropyl ether	45	5.145	5.145	0.000	99	62449	4.00	3.98	
39 2-Chloro-1,3-butadiene	53	5.197	5.187	0.010	92	31545	4.00	4.09	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.673	5.685	-0.012	94	53748	4.00	3.82	
41 2-Butanone (MEK)	43	5.933	5.933	0.000	43	20276	8.00	6.59	
42 cis-1,2-Dichloroethene	96	5.930	5.933	-0.003	80	26153	4.00	4.20	
43 2,2-Dichloropropane	77	5.946	5.959	-0.013	81	26739	4.00	4.02	
45 Propionitrile	54	6.023	6.023	0.000	92	22838	20.0	19.7	
46 Methyl acrylate	55	6.049	6.039	0.010	52	16355	4.00	2.98	M
S 47 1,2-Dichloroethene, Total	100				0			8.59	
48 Methacrylonitrile	67	6.235	6.226	0.009	90	26402	10.0	9.66	
49 Chlorobromomethane	128	6.264	6.267	-0.003	93	13910	4.00	4.24	
50 Tetrahydrofuran	71	6.296	6.277	0.019	72	12793	20.0	16.2	
51 Chloroform	83	6.428	6.419	0.009	93	40350	4.00	4.28	
$ 52 Dibromofluoromethane (Surr)	113	6.644	6.640	0.004	94	248714	50.0	50.6	
53 1,1,1-Trichloroethane	97	6.656	6.647	0.009	96	33771	4.00	4.24	
54 Cyclohexane	56	6.746	6.747	0.000	90	38390	4.00	4.08	
55 1,1-Dichloropropene	75	6.865	6.859	0.006	95	28790	4.00	4.16	
56 Carbon tetrachloride	117	6.859	6.862	-0.003	79	27649	4.00	4.15	
57 Isobutyl alcohol	41	7.113	7.071	0.042	34	8159	50.0	39.8	M
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.107	7.100	0.007	88	61306	50.0	50.4	
59 Benzene	78	7.129	7.126	0.003	96	90673	4.00	4.17	
60 1,2-Dichloroethane	62	7.203	7.203	0.000	97	31297	4.00	4.31	
62 Tert-amyl methyl ether	73	7.325	7.312	0.013	91	46760	4.00	3.58	
* 63 Fluorobenzene (IS)	96	7.537	7.541	-0.004	99	978586	50.0	50.0	
64 n-Heptane	43	7.547	7.547	0.000	54	33020	4.00	4.47	
66 n-Butanol	56	7.994	7.975	0.019	25	1832	50.0	18.5	M
67 Trichloroethene	95	8.020	8.013	0.007	95	22063	4.00	4.06	
68 Ethyl acrylate	55	8.164	8.148	0.016	97	9857	4.00	5.92	
69 Methylcyclohexane	83	8.322	8.322	0.000	90	38906	4.00	3.91	
70 1,2-Dichloropropane	63	8.354	8.361	-0.007	80	21187	4.00	4.20	
71 2-ethoxy-2-methyl butane	87	8.364	8.361	0.003	92	22654	4.00	3.47	
72 Methyl methacrylate	69	8.444	8.447	-0.003	83	8521	4.00	5.12	
74 Dibromomethane	93	8.467	8.463	0.004	95	13722	4.00	4.11	
73 1,4-Dioxane	88	8.463	8.470	-0.007	31	2333	50.0	39.5	
76 Dichlorobromomethane	83	8.708	8.705	0.003	98	25010	4.00	3.97	
77 2-Nitropropane	41	8.994	8.994	0.000	95	19244	20.0	17.1	
78 2-Chloroethyl vinyl ether	63	9.074	9.078	-0.004	90	8593	4.00	3.01	
79 cis-1,3-Dichloropropene	75	9.261	9.261	0.000	95	23879	4.00	3.43	
80 4-Methyl-2-pentanone (MIBK)	43	9.451	9.454	-0.003	97	36534	8.00	5.68	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	903458	50.0	51.7	
83 Toluene	92	9.650	9.653	-0.003	98	50841	4.00	4.23	
95 trans-1,3-Dichloropropene	75	9.920	9.923	-0.003	93	18689	4.00	3.47	
96 Ethyl methacrylate	69	9.994	9.991	0.003	89	16803	4.00	2.99	
S 116 1,3-Dichloropropene, Total	100				0			6.90	
118 1,1,2-Trichloroethane	97	10.129	10.132	-0.003	91	17551	4.00	4.18	
119 Tetrachloroethene	166	10.209	10.206	0.003	97	25489	4.00	4.39	
120 1,3-Dichloropropane	76	10.290	10.293	-0.003	94	25924	4.00	4.00	
122 2-Hexanone	43	10.357	10.354	0.003	96	20823	8.00	6.24	
124 Chlorodibromomethane	129	10.502	10.508	-0.006	90	17029	4.00	3.77	
125 Ethylene Dibromide	107	10.618	10.615	0.003	100	15608	4.00	3.94	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	659146	50.0	50.0	
127 1-Chlorohexane	91	11.061	11.065	-0.004	96	25276	4.00	4.23	
128 Chlorobenzene	112	11.077	11.078	-0.001	96	57449	4.00	4.31	
132 1,1,1,2-Tetrachloroethane	131	11.158	11.161	-0.003	91	20505	4.00	4.11	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
133 Ethylbenzene	91	11.167	11.164	0.003	98	97942	4.00	4.27	
S 134 Xylenes, Total	106				0			12.6	
135 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	77296	8.00	8.42	
136 n-Butyl acrylate	55	11.569	11.569	0.000	95	20094	4.00	2.73	
137 o-Xylene	106	11.614	11.611	0.003	96	40415	4.00	4.19	
138 Styrene	104	11.627	11.627	0.000	95	57302	4.00	4.08	
139 Bromoform	173	11.785	11.782	0.003	97	12606	4.00	3.80	
140 Isopropylbenzene	105	11.913	11.914	-0.001	95	100358	4.00	4.09	
142 Cyclohexanone	55	11.997	11.994	0.003	93	39968	200.0	185.6	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	95	330490	50.0	52.8	
146 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	96	32544	4.00	3.95	
147 Bromobenzene	156	12.171	12.171	0.000	91	27870	4.00	4.01	
148 trans-1,4-Dichloro-2-butene	53	12.187	12.190	-0.003	80	19430	10.0	10.1	
149 1,2,3-Trichloropropane	110	12.209	12.209	0.000	85	11136	4.00	4.19	
150 N-Propylbenzene	91	12.241	12.241	0.000	99	128648	4.00	4.10	
151 2-Chlorotoluene	126	12.319	12.315	0.004	97	27567	4.00	4.00	
152 1,3,5-Trimethylbenzene	105	12.380	12.380	0.000	94	87789	4.00	3.78	
153 4-Chlorotoluene	126	12.412	12.409	0.003	97	26485	4.00	4.06	
155 tert-Butylbenzene	134	12.621	12.621	0.000	92	15985	4.00	3.08	
157 1,2,4-Trimethylbenzene	105	12.663	12.663	0.000	97	94681	4.00	3.91	
158 sec-Butylbenzene	105	12.785	12.785	0.000	94	113246	4.00	3.83	
159 1,3-Dichlorobenzene	146	12.878	12.881	-0.003	98	59635	4.00	4.22	
160 4-Isopropyltoluene	119	12.891	12.891	0.000	97	102639	4.00	3.89	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	458622	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.952	12.955	-0.003	96	60406	4.00	4.24	
163 1,2,3-Trimethylbenzene	105	12.965	12.965	0.000	98	100260	4.00	3.97	
165 Benzyl chloride	91	13.032	13.032	0.000	99	35740	4.00	4.86	
166 1,3-Diethylbenzene	119	13.093	13.094	-0.001	96	59611	4.00	3.91	
167 p-Diethylbenzene	119	13.164	13.161	0.003	95	68479	4.00	4.07	
168 n-Butylbenzene	92	13.180	13.184	-0.004	97	55727	4.00	4.24	
169 1,2-Dichlorobenzene	146	13.212	13.212	0.000	99	63180	4.00	4.21	
170 o-diethylbenzene	119	13.235	13.235	0.000	93	50981	4.00	3.91	
172 1,2-Dibromo-3-Chloropropane	75	13.756	13.756	0.000	86	7539	4.00	3.71	
173 1,3,5-Trichlorobenzene	180	13.881	13.878	0.003	97	54821	4.00	4.11	
174 1,2,4-Trichlorobenzene	180	14.302	14.302	0.000	93	51881	4.00	3.97	
175 2-Ethylhexyl acrylate	55	14.367	14.367	0.000	85	18906	4.00	4.04	
176 Hexachlorobutadiene	225	14.383	14.383	0.000	95	23528	4.00	4.10	
177 Naphthalene	128	14.482	14.483	-0.001	96	147531	4.00	3.92	
178 1,2,3-Trichlorobenzene	180	14.624	14.624	0.000	95	52366	4.00	4.02	
179 2-Methylnaphthalene	142	15.235	15.235	0.000	93	66825	4.00	3.14	
S 211 Total Diethylbenzene	1				0			11.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00257	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00012	Amount Added:	32.00	Units: uL	
MSV_CCV_VOC#3_00259	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00250	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_01144	Amount Added:	2.00	Units: uL	
MSV_CCV_OH_Sp_00027	Amount Added:	4.00	Units: uL	
MSV_CCV_EE_00009	Amount Added:	4.00	Units: uL	
MSV_HP23_ISSS_00017	Amount Added:	1.00	Units: uL	Run Reagent

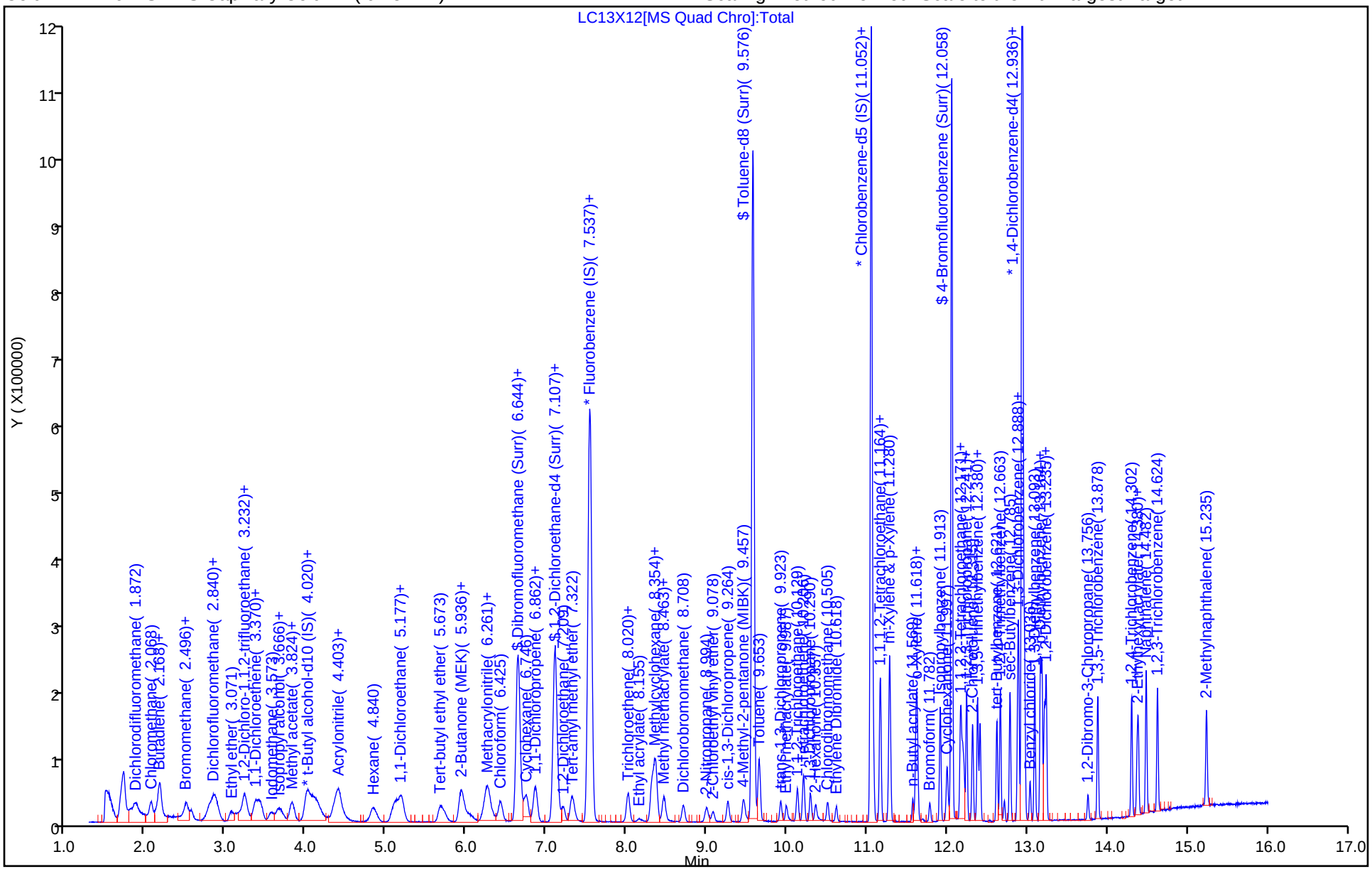
Report Date: 14-Oct-2025 11:06:10 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X12.D

Injection Date:	13-Oct-2025 18:07:34	Instrument ID:	9915	Operator ID:	jml01693
Lims ID:	IC v4			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

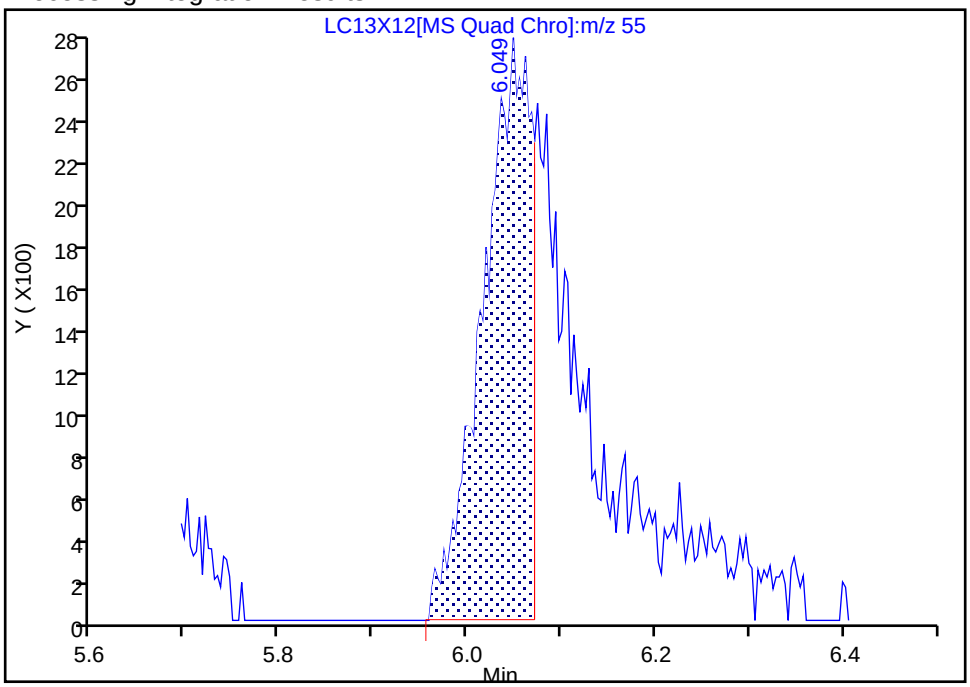
Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X12.D
Injection Date: 13-Oct-2025 18:07:34 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: jml01693 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

46 Methyl acrylate, CAS: 96-33-3

Signal: 1

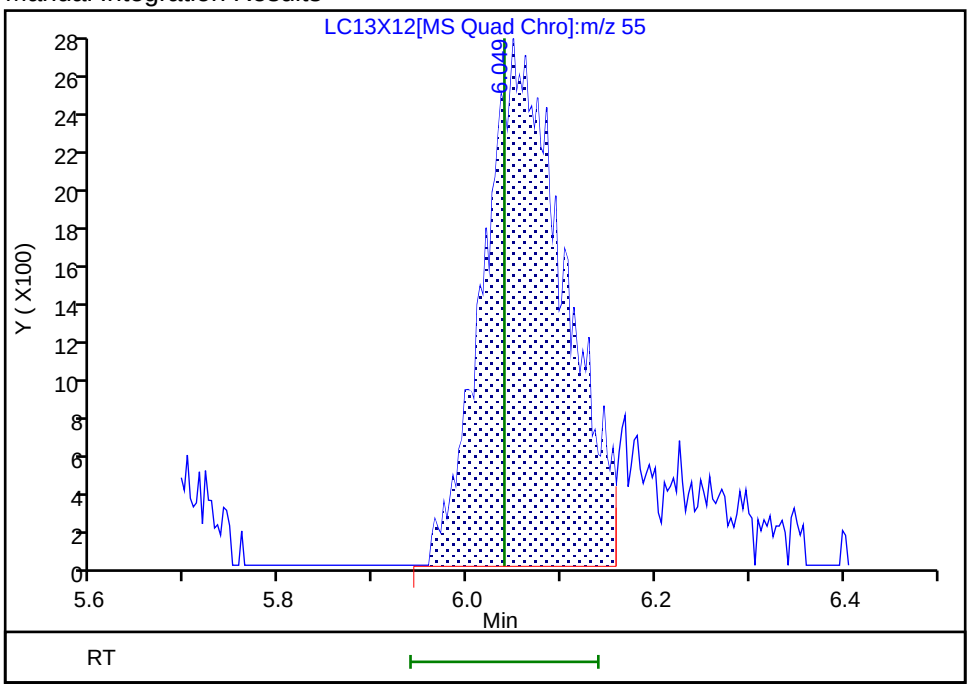
Processing Integration Results

RT: 6.05
Area: 9796
Amount: 2.911457
Amount Units: ug/l



Manual Integration Results

RT: 6.05
Area: 16355
Amount: 2.976900
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 21:01:06 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

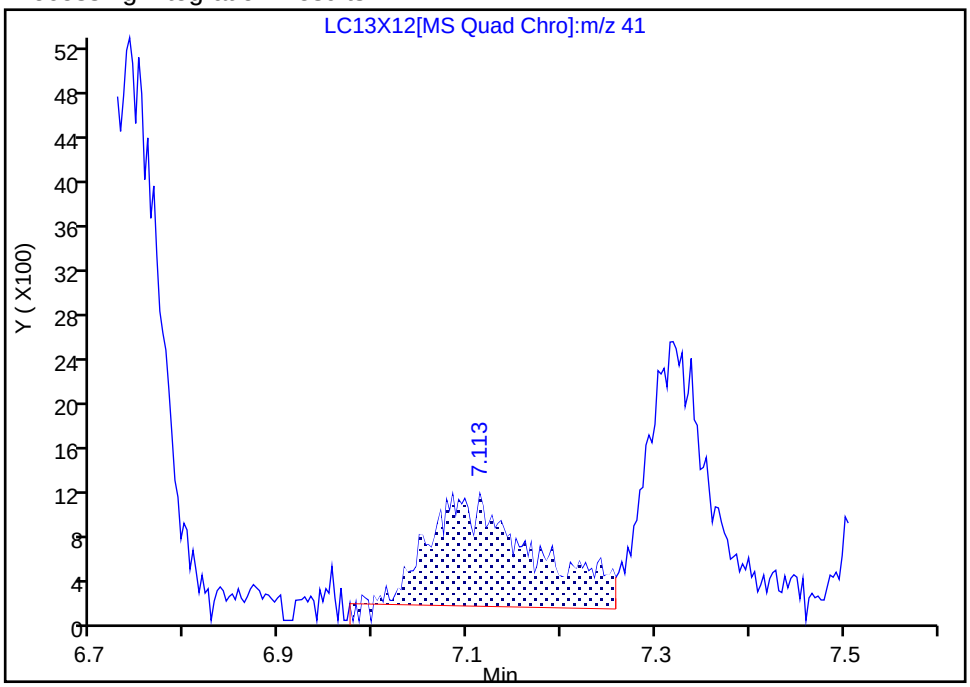
Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X12.D
Injection Date: 13-Oct-2025 18:07:34 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: jml01693 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

57 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

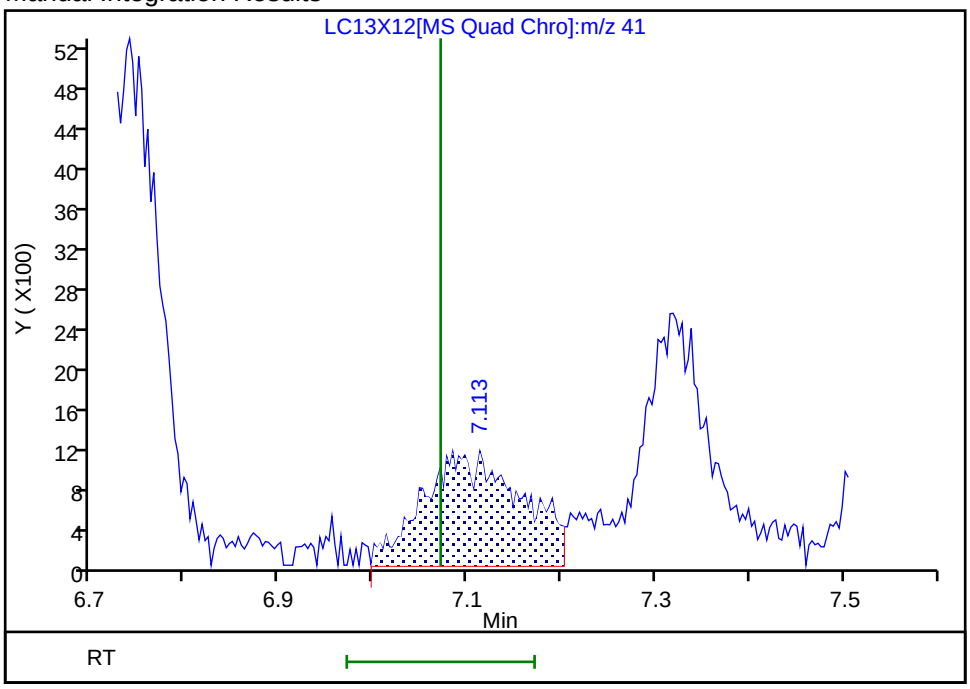
Processing Integration Results

RT: 7.11
Area: 7757
Amount: 36.320381
Amount Units: ug/l



Manual Integration Results

RT: 7.11
Area: 8159
Amount: 39.766449
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 21:16:17 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

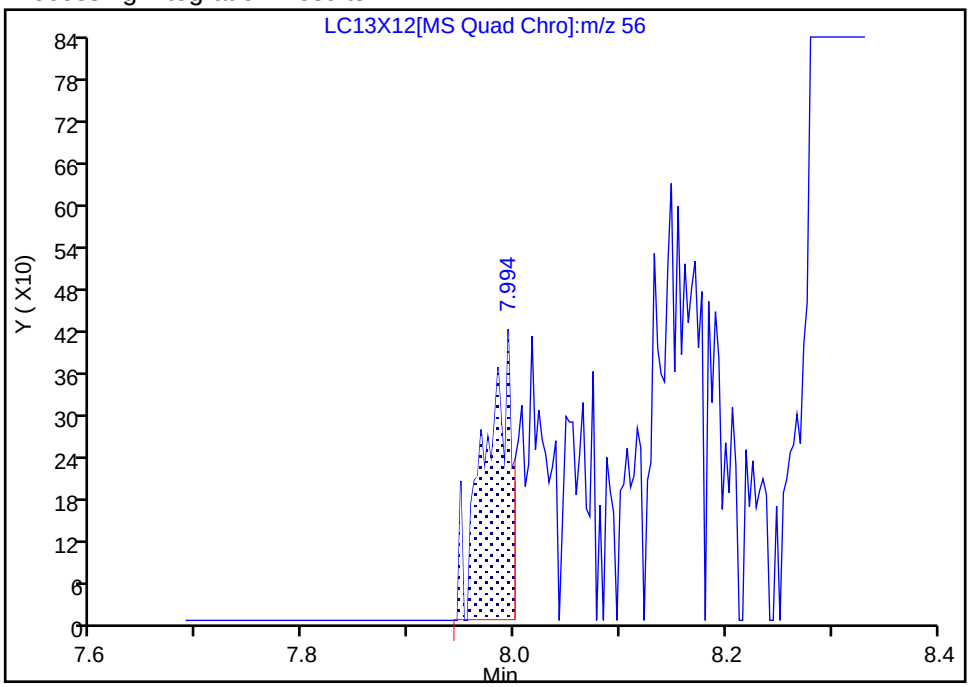
Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X12.D
Injection Date: 13-Oct-2025 18:07:34 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: jml01693 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

66 n-Butanol, CAS: 71-36-3

Signal: 1

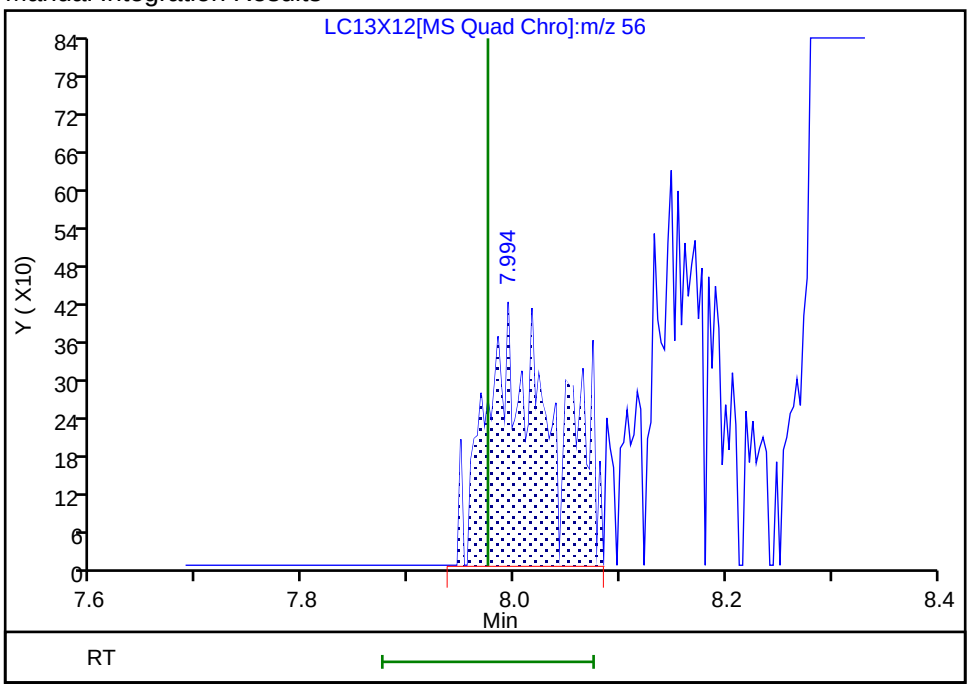
Processing Integration Results

RT: 7.99
Area: 730
Amount: 7.712185
Amount Units: ug/l



Manual Integration Results

RT: 7.99
Area: 1832
Amount: 18.546157
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 21:17:25 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X13.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 13-Oct-2025 18:29:58 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162959-014
Misc. Info.: IC V10
Operator ID: jml01693 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub91

Method: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 11:06:28 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: UKAD Date: 13-Oct-2025 21:00:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.885	1.872	0.013	99	110373	10.0	10.5	
5 Chloromethane	50	2.075	2.065	0.009	99	99996	10.0	10.7	
6 Butadiene	39	2.181	2.168	0.013	82	80713	10.0	10.1	
7 Vinyl chloride	62	2.184	2.174	0.010	98	92784	10.0	10.7	
9 Bromomethane	94	2.512	2.496	0.016	91	63636	10.0	10.8	
10 Chloroethane	64	2.579	2.563	0.016	99	55010	10.0	10.9	
11 Dichlorofluoromethane	67	2.820	2.801	0.019	97	138835	10.0	10.7	
12 Pentane	43	2.875	2.853	0.022	97	96274	10.0	9.98	
13 Trichlorofluoromethane	101	2.888	2.869	0.019	98	120453	10.0	10.5	
15 Ethyl ether	59	3.078	3.052	0.026	92	48311	10.0	10.5	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.213	3.197	0.016	91	74877	10.0	10.6	
17 Acrolein	56	3.248	3.226	0.022	99	205469	97.6	106.9	
18 1,1-Dichloroethene	96	3.383	3.358	0.025	98	55199	10.0	10.2	
19 Acetone	58	3.422	3.399	0.023	100	18163	20.0	21.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.444	3.428	0.016	89	57220	10.0	10.4	
22 Iodomethane	142	3.579	3.570	0.009	98	103666	10.0	10.0	
21 Isopropyl alcohol	45	3.663	3.618	0.045	28	26238	50.0	48.3	
23 Carbon disulfide	76	3.679	3.669	0.010	100	197604	10.0	10.3	
25 Methyl acetate	43	3.820	3.795	0.025	96	61583	10.0	10.9	
26 3-Chloro-1-propene	41	3.840	3.821	0.019	91	91303	10.0	10.2	
27 Methylene Chloride	84	4.023	4.004	0.019	90	66794	10.0	10.5	
* 28 t-Butyl alcohol-d10 (IS)	65	4.119	4.084	0.035	78	197961	250.0	250.0	
29 2-Methyl-2-propanol	59	4.216	4.219	-0.003	88	42787	50.0	50.3	
30 Acrylonitrile	53	4.367	4.338	0.029	99	87853	25.0	26.2	
32 trans-1,2-Dichloroethene	96	4.412	4.396	0.016	97	65756	10.0	10.5	
31 Methyl tert-butyl ether	73	4.438	4.425	0.013	90	168294	10.0	9.95	
35 Hexane	57	4.843	4.833	0.010	93	75346	10.0	10.1	
36 1,1-Dichloroethane	63	5.097	5.084	0.013	96	107339	10.0	10.6	
38 Isopropyl ether	45	5.155	5.145	0.010	98	169088	10.0	10.2	
39 2-Chloro-1,3-butadiene	53	5.203	5.187	0.016	91	84358	10.0	10.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.682	5.685	-0.003	96	144627	10.0	9.71	
41 2-Butanone (MEK)	43	5.943	5.933	0.009	46	62701	20.0	19.2	
42 cis-1,2-Dichloroethene	96	5.946	5.933	0.013	85	68629	10.0	10.4	
43 2,2-Dichloropropane	77	5.975	5.959	0.016	91	69903	10.0	9.91	
45 Propionitrile	54	6.045	6.023	0.022	95	62844	50.0	52.6	
46 Methyl acrylate	55	6.068	6.039	0.029	99	52046	10.0	8.94	
S 47 1,2-Dichloroethene, Total	100				0			20.9	
48 Methacrylonitrile	67	6.245	6.226	0.019	90	71905	25.0	24.8	
49 Chlorobromomethane	128	6.277	6.267	0.010	94	37393	10.0	10.8	
50 Tetrahydrofuran	71	6.303	6.277	0.026	80	41935	50.0	46.3	
51 Chloroform	83	6.431	6.419	0.012	94	105006	10.0	10.5	
$ 52 Dibromofluoromethane (Surr)	113	6.653	6.640	0.013	94	267057	50.0	51.3	
53 1,1,1-Trichloroethane	97	6.656	6.647	0.009	83	85119	10.0	10.1	
54 Cyclohexane	56	6.759	6.747	0.013	92	100393	10.0	10.1	
55 1,1-Dichloropropene	75	6.872	6.859	0.013	95	75856	10.0	10.3	
56 Carbon tetrachloride	117	6.859	6.862	-0.003	88	70336	10.0	9.97	
57 Isobutyl alcohol	41	7.094	7.071	0.023	53	21873	125.0	103.2	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.110	7.100	0.010	84	66650	50.0	51.7	
59 Benzene	78	7.132	7.126	0.006	96	238977	10.0	10.4	
60 1,2-Dichloroethane	62	7.213	7.203	0.010	97	78989	10.0	10.3	
62 Tert-amyl methyl ether	73	7.325	7.312	0.013	94	131022	10.0	9.46	
* 63 Fluorobenzene (IS)	96	7.544	7.541	0.003	98	1037501	50.0	50.0	
64 n-Heptane	43	7.557	7.547	0.010	42	76911	10.0	9.82	
66 n-Butanol	56	7.997	7.975	0.022	24	7521	125.0	73.7	M
67 Trichloroethene	95	8.023	8.013	0.010	96	56916	10.0	9.88	
68 Ethyl acrylate	55	8.155	8.148	0.007	100	33226	10.0	9.83	
69 Methylcyclohexane	83	8.322	8.322	0.000	92	104650	10.0	9.92	
70 1,2-Dichloropropane	63	8.364	8.361	0.003	80	55117	10.0	10.3	
71 2-ethoxy-2-methyl butane	87	8.367	8.361	0.006	91	67130	10.0	9.71	
72 Methyl methacrylate	69	8.457	8.447	0.010	91	26299	10.0	9.04	
74 Dibromomethane	93	8.476	8.463	0.013	93	36148	10.0	10.2	
73 1,4-Dioxane	88	8.470	8.470	0.000	43	6488	125.0	106.5	
76 Dichlorobromomethane	83	8.711	8.705	0.006	99	64706	10.0	9.68	
77 2-Nitropropane	41	8.997	8.994	0.003	98	55299	50.0	40.8	
78 2-Chloroethyl vinyl ether	63	9.081	9.078	0.003	90	26464	10.0	8.73	M
79 cis-1,3-Dichloropropene	75	9.270	9.261	0.009	95	67695	10.0	9.17	
80 4-Methyl-2-pentanone (MIBK)	43	9.460	9.454	0.006	97	119429	20.0	17.5	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	967101	50.0	50.8	
83 Toluene	92	9.653	9.653	0.000	98	134444	10.0	10.3	
95 trans-1,3-Dichloropropene	75	9.926	9.923	0.003	93	53876	10.0	9.20	
96 Ethyl methacrylate	69	9.997	9.991	0.006	89	51238	10.0	8.38	
S 116 1,3-Dichloropropene, Total	100				0			18.4	
118 1,1,2-Trichloroethane	97	10.132	10.132	0.000	91	45306	10.0	9.91	
119 Tetrachloroethene	166	10.212	10.206	0.006	97	63710	10.0	10.1	
120 1,3-Dichloropropane	76	10.296	10.293	0.003	92	70328	10.0	9.97	
122 2-Hexanone	43	10.357	10.354	0.003	97	72332	20.0	19.9	
124 Chlorodibromomethane	129	10.508	10.508	0.000	90	47599	10.0	9.69	
125 Ethylene Dibromide	107	10.618	10.615	0.003	99	43017	10.0	9.97	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	717642	50.0	50.0	
127 1-Chlorohexane	91	11.068	11.065	0.003	97	65323	10.0	10.0	
128 Chlorobenzene	112	11.081	11.078	0.003	96	151063	10.0	10.4	
132 1,1,1,2-Tetrachloroethane	131	11.164	11.161	0.003	93	54760	10.0	10.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
133 Ethylbenzene	91	11.167	11.164	0.003	98	265807	10.0	10.6	
S 134 Xylenes, Total	106				0			32.7	
135 m-Xylene & p-Xylene	106	11.283	11.280	0.003	100	217377	20.0	21.8	
136 n-Butyl acrylate	55	11.573	11.569	0.003	96	69676	10.0	8.68	
137 o-Xylene	106	11.614	11.611	0.003	96	114662	10.0	10.9	
138 Styrene	104	11.627	11.627	0.000	94	168828	10.0	11.0	
139 Bromoform	173	11.782	11.782	0.000	98	34712	10.0	9.62	
140 Isopropylbenzene	105	11.913	11.914	-0.001	95	283773	10.0	10.6	
142 Cyclohexanone	55	12.000	11.994	0.006	93	54655	250.0	241.0	
$ 143 4-Bromofluorobenzene (Surr)	95	12.058	12.055	0.003	95	355979	50.0	52.3	
146 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	95	85406	10.0	9.76	
147 Bromobenzene	156	12.174	12.171	0.003	91	71817	10.0	9.75	
148 trans-1,4-Dichloro-2-butene	53	12.190	12.190	0.000	88	50347	25.0	24.6	
149 1,2,3-Trichloropropane	110	12.209	12.209	0.000	85	27695	10.0	9.83	
150 N-Propylbenzene	91	12.241	12.241	0.000	98	340101	10.0	10.2	
151 2-Chlorotoluene	126	12.318	12.315	0.003	97	72644	10.0	9.92	
152 1,3,5-Trimethylbenzene	105	12.380	12.380	0.000	94	244127	10.0	9.90	
153 4-Chlorotoluene	126	12.408	12.409	-0.001	97	69975	10.0	10.1	
155 tert-Butylbenzene	134	12.621	12.621	0.000	92	47230	10.0	8.58	
157 1,2,4-Trimethylbenzene	105	12.662	12.663	-0.001	97	261718	10.0	10.2	
158 sec-Butylbenzene	105	12.785	12.785	0.000	93	312770	10.0	9.96	
159 1,3-Dichlorobenzene	146	12.881	12.881	0.000	99	151581	10.0	10.1	
160 4-Isopropyltoluene	119	12.891	12.891	0.000	97	282461	10.0	10.1	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	486700	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.955	12.955	0.000	97	152365	10.0	10.1	
163 1,2,3-Trimethylbenzene	105	12.965	12.965	0.000	98	266399	10.0	9.93	
165 Benzyl chloride	91	13.035	13.032	0.003	98	110863	10.0	9.17	
166 1,3-Diethylbenzene	119	13.093	13.094	-0.001	96	162415	10.0	10.0	
167 p-Diethylbenzene	119	13.164	13.161	0.003	94	183341	10.0	10.3	
168 n-Butylbenzene	92	13.183	13.184	-0.001	97	144103	10.0	10.3	
169 1,2-Dichlorobenzene	146	13.216	13.212	0.004	99	160331	10.0	10.1	
170 o-diethylbenzene	119	13.235	13.235	0.000	94	136251	10.0	9.86	
172 1,2-Dibromo-3-Chloropropane	75	13.756	13.756	0.000	88	20312	10.0	9.42	
173 1,3,5-Trichlorobenzene	180	13.878	13.878	0.000	98	137396	10.0	9.71	
174 1,2,4-Trichlorobenzene	180	14.302	14.302	0.000	94	134059	10.0	9.66	
175 2-Ethylhexyl acrylate	55	14.370	14.367	0.003	84	61707	10.0	7.98	
176 Hexachlorobutadiene	225	14.386	14.383	0.003	94	58379	10.0	9.60	
177 Naphthalene	128	14.482	14.483	-0.001	96	404067	10.0	10.1	
178 1,2,3-Trichlorobenzene	180	14.624	14.624	0.000	95	134840	10.0	9.76	
179 2-Methylnaphthalene	142	15.235	15.235	0.000	93	199653	10.0	8.85	
S 211 Total Diethylbenzene	1				0			30.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00257	Amount Added:	2.00	Units: uL	
MSV_CCV_CYC_00012	Amount Added:	8.00	Units: uL	
MSV_CCV_VOC#3_00259	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00250	Amount Added:	2.00	Units: uL	
MSV_CCV_GASES_01144	Amount Added:	1.00	Units: uL	
MSV_CCV_OH_Sp_00027	Amount Added:	2.00	Units: uL	
MSV_CCV_EE_00009	Amount Added:	2.00	Units: uL	
MSV_HP23_ISSS_00017	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 14-Oct-2025 11:06:29 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X13.D

Injection Date: 13-Oct-2025 18:29:58 Instrument ID: 9915 Operator ID: jml01693

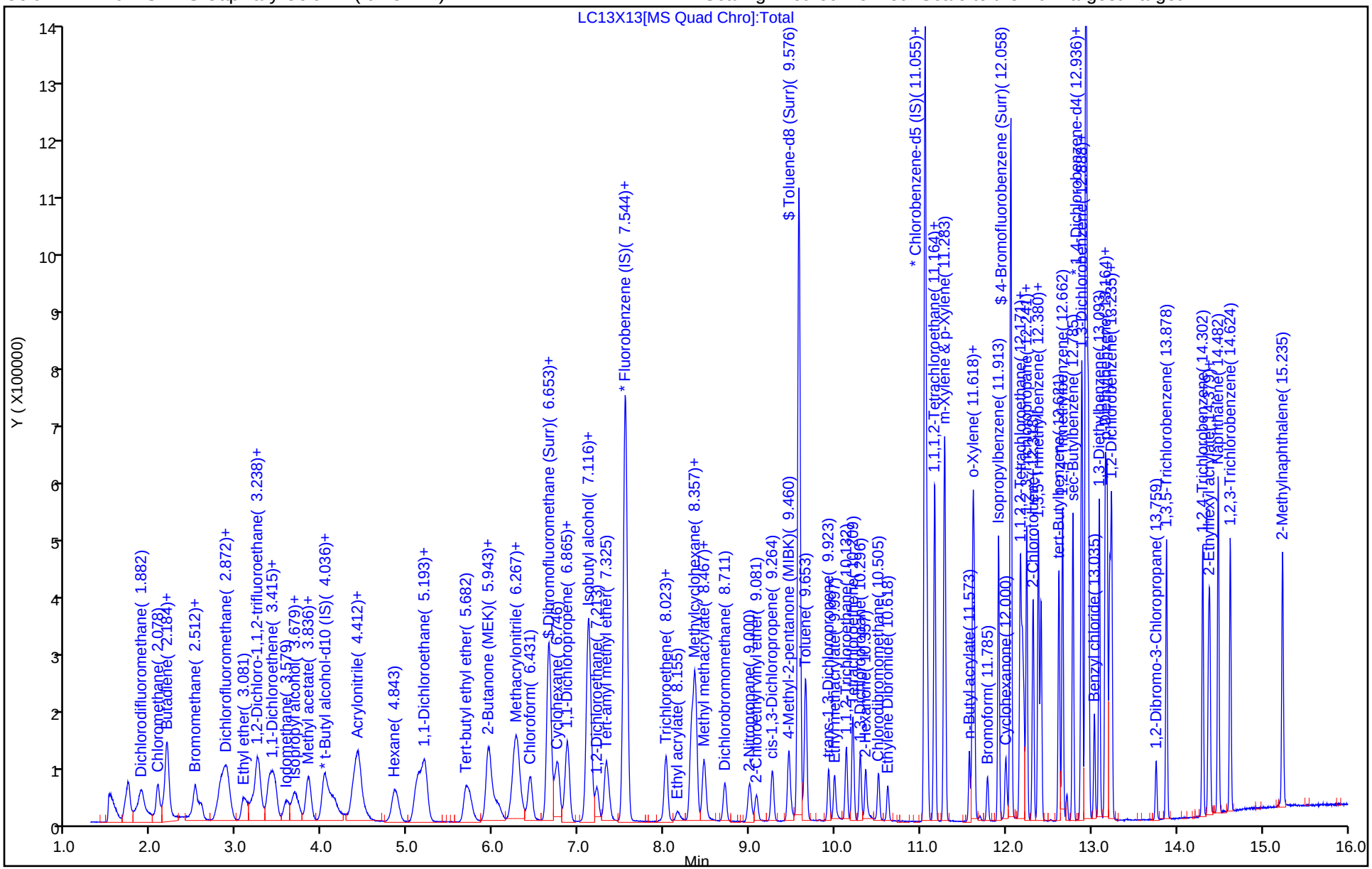
Lims ID: IC v10 Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 13

Method: MSVoa_9915a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

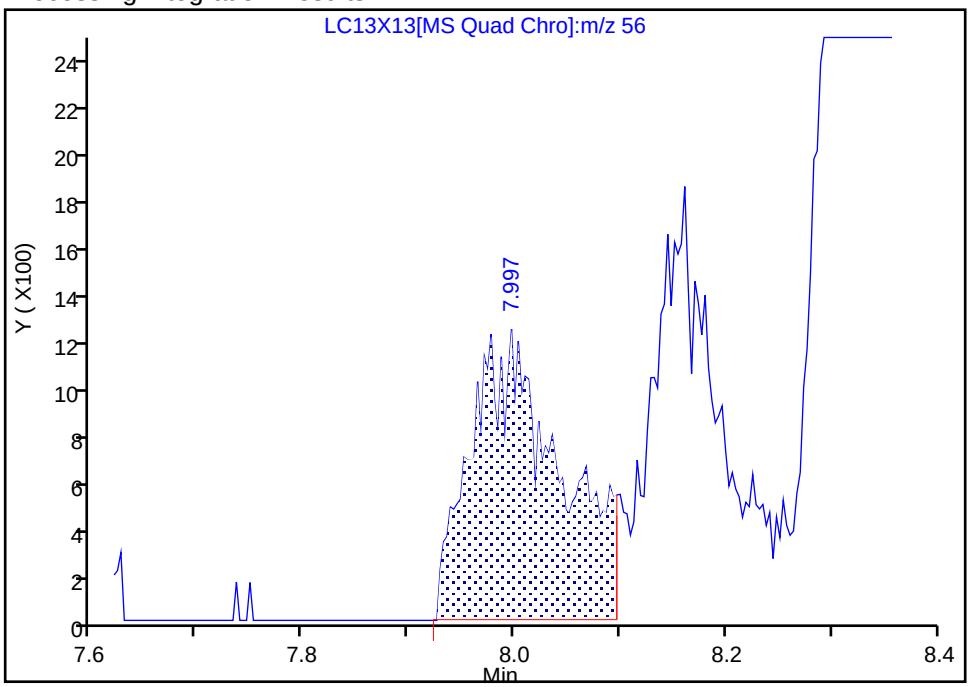
Data File:	\\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X13.D				
Injection Date:	13-Oct-2025 18:29:58	Instrument ID:	9915		
Lims ID:	IC v10				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

66 n-Butanol, CAS: 71-36-3

Signal: 1

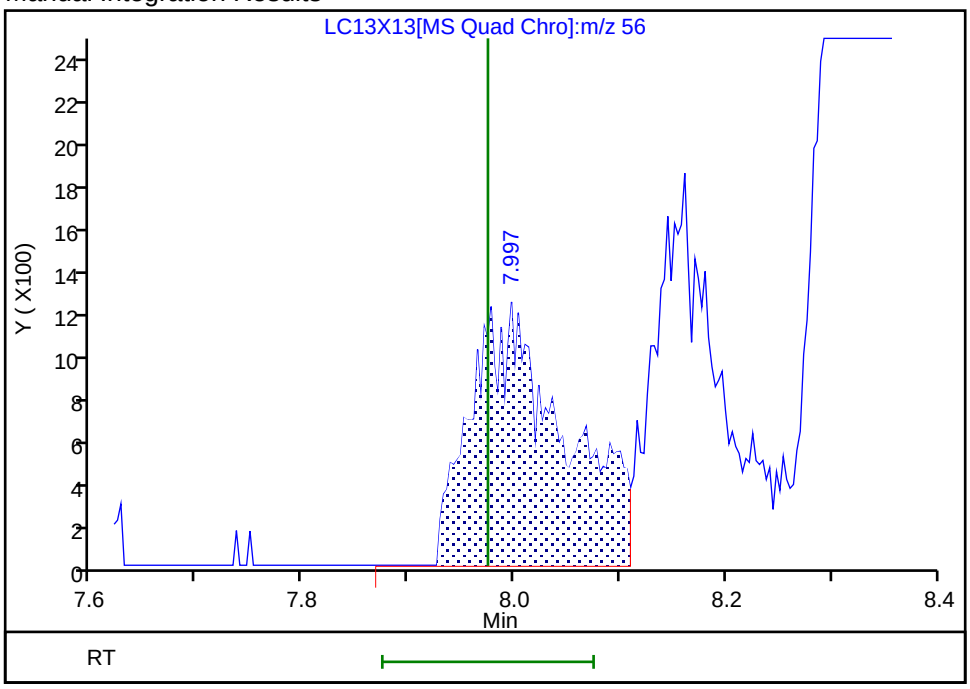
Processing Integration Results

RT: 8.00
Area: 7171
Amount: 70.610120
Amount Units: ug/l



Manual Integration Results

RT: 8.00
Area: 7521
Amount: 73.717698
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 21:19:10 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

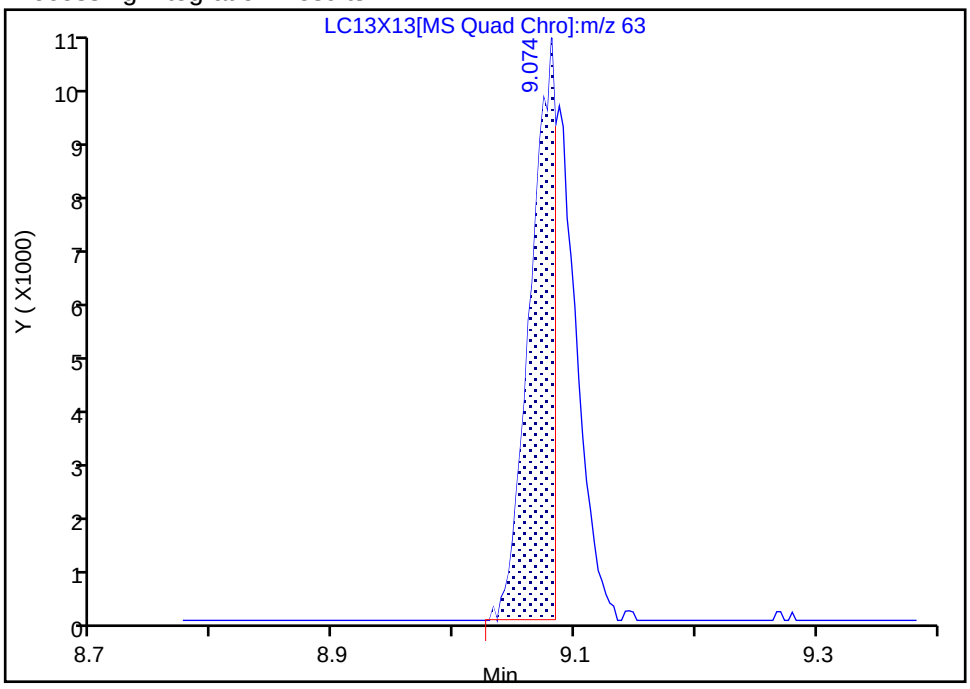
Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X13.D
Injection Date: 13-Oct-2025 18:29:58 Instrument ID: 9915
Lims ID: IC v10
Client ID:
Operator ID: jml01693 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

78 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

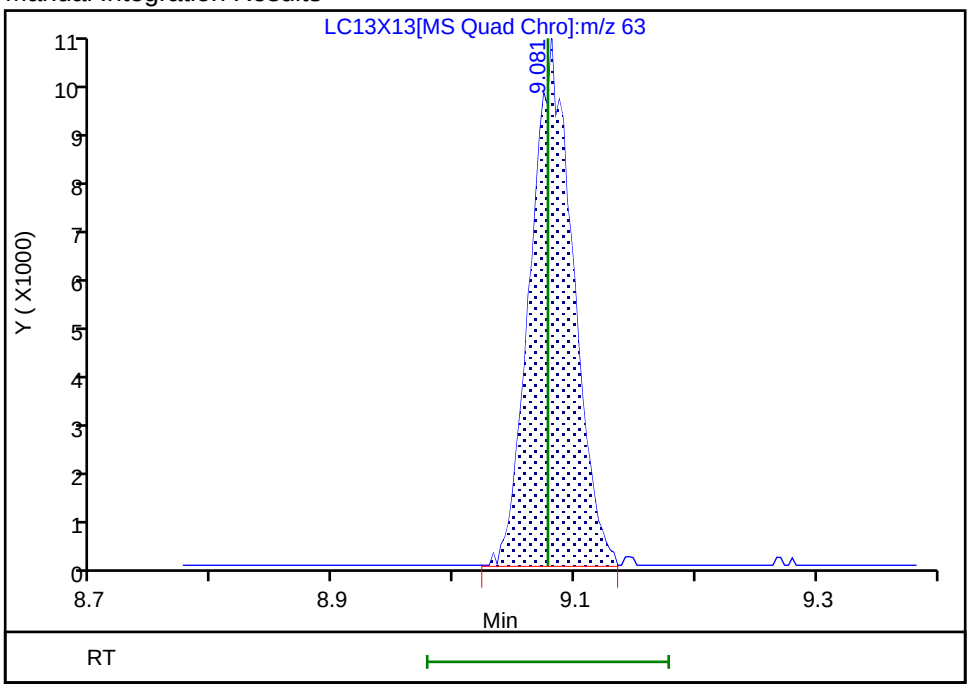
Processing Integration Results

RT: 9.07
Area: 15696
Amount: 5.953191
Amount Units: ug/l



Manual Integration Results

RT: 9.08
Area: 26464
Amount: 8.732218
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 20:59:50 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X14.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 13-Oct-2025 18:52:20 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162959-015
Misc. Info.: IC V20
Operator ID: jml01693 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub91

Method: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 11:06:43 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: UKAD Date: 13-Oct-2025 20:59:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.882	1.872	0.010	98	225149	20.0	21.3	
5 Chloromethane	50	2.074	2.065	0.009	99	194649	20.0	20.6	
6 Butadiene	39	2.177	2.168	0.009	83	162022	20.0	20.1	
7 Vinyl chloride	62	2.181	2.174	0.007	98	186641	20.0	21.4	
9 Bromomethane	94	2.509	2.496	0.013	91	123410	20.0	20.9	
10 Chloroethane	64	2.573	2.563	0.010	100	105333	20.0	20.7	
11 Dichlorofluoromethane	67	2.814	2.801	0.013	97	272934	20.0	20.9	
12 Pentane	43	2.872	2.853	0.019	96	198177	20.0	20.4	
13 Trichlorofluoromethane	101	2.885	2.869	0.016	97	242068	20.0	20.9	
15 Ethyl ether	59	3.074	3.052	0.022	92	98534	20.0	21.3	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.206	3.197	0.009	92	149010	20.0	21.0	
17 Acrolein	56	3.248	3.226	0.022	100	415753	195.2	213.6	
18 1,1-Dichloroethene	96	3.386	3.358	0.028	98	110188	20.0	20.3	
19 Acetone	58	3.422	3.399	0.023	100	37571	40.0	44.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.441	3.428	0.013	88	113912	20.0	20.6	
22 Iodomethane	142	3.582	3.570	0.012	97	208248	20.0	20.1	
21 Isopropyl alcohol	45	3.660	3.618	0.042	30	58397	100.0	106.1	
23 Carbon disulfide	76	3.672	3.669	0.003	99	394022	20.0	20.3	
25 Methyl acetate	43	3.820	3.795	0.025	96	123192	20.0	21.7	
26 3-Chloro-1-propene	41	3.843	3.821	0.022	92	187117	20.0	20.7	
27 Methylene Chloride	84	4.033	4.004	0.029	92	131717	20.0	20.6	
* 28 t-Butyl alcohol-d10 (IS)	65	4.113	4.084	0.029	77	200500	250.0	250.0	
29 2-Methyl-2-propanol	59	4.203	4.219	-0.016	28	87021	100.0	101.0	M
30 Acrylonitrile	53	4.361	4.338	0.023	99	176705	50.0	52.4	
32 trans-1,2-Dichloroethene	96	4.415	4.396	0.019	99	129209	20.0	20.6	
31 Methyl tert-butyl ether	73	4.438	4.425	0.013	96	350192	20.0	20.6	
35 Hexane	57	4.846	4.833	0.013	93	156421	20.0	20.9	
36 1,1-Dichloroethane	63	5.094	5.084	0.010	96	208567	20.0	20.5	
38 Isopropyl ether	45	5.164	5.145	0.019	93	350417	20.0	20.9	
39 2-Chloro-1,3-butadiene	53	5.206	5.187	0.019	91	174905	20.0	21.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.695	5.685	0.010	97	305792	20.0	20.4	
41 2-Butanone (MEK)	43	5.936	5.933	0.003	57	130113	40.0	39.6	
42 cis-1,2-Dichloroethene	96	5.939	5.933	0.006	79	136794	20.0	20.6	
43 2,2-Dichloropropane	77	5.975	5.959	0.016	90	142463	20.0	20.1	
45 Propionitrile	54	6.036	6.023	0.013	94	127301	100.0	105.2	
46 Methyl acrylate	55	6.068	6.039	0.029	98	113494	20.0	19.4	
S 47 1,2-Dichloroethene, Total	100				0			41.2	
48 Methacrylonitrile	67	6.238	6.226	0.012	92	156054	50.0	53.6	
49 Chlorobromomethane	128	6.277	6.267	0.010	94	73442	20.0	21.0	
50 Tetrahydrofuran	71	6.293	6.277	0.016	82	90815	100.0	96.4	
51 Chloroform	83	6.434	6.419	0.015	93	207323	20.0	20.6	
$ 52 Dibromofluoromethane (Surr)	113	6.650	6.640	0.010	95	262278	50.0	50.1	
53 1,1,1-Trichloroethane	97	6.656	6.647	0.009	96	171805	20.0	20.2	
54 Cyclohexane	56	6.753	6.747	0.007	91	209485	20.0	20.9	
55 1,1-Dichloropropene	75	6.869	6.859	0.009	96	153611	20.0	20.8	
56 Carbon tetrachloride	117	6.862	6.862	0.000	74	143780	20.0	20.3	
57 Isobutyl alcohol	41	7.084	7.071	0.013	45	47514	250.0	221.4	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.103	7.100	0.003	93	64484	50.0	49.7	
59 Benzene	78	7.132	7.126	0.006	96	477316	20.0	20.6	
60 1,2-Dichloroethane	62	7.213	7.203	0.010	97	159780	20.0	20.6	
62 Tert-amyl methyl ether	73	7.322	7.312	0.010	96	284863	20.0	20.5	
* 63 Fluorobenzene (IS)	96	7.544	7.541	0.003	99	1043014	50.0	50.0	
64 n-Heptane	43	7.557	7.547	0.010	93	158442	20.0	20.1	
66 n-Butanol	56	7.987	7.975	0.012	44	20029	250.0	193.8	
67 Trichloroethene	95	8.023	8.013	0.010	96	116422	20.0	20.1	
68 Ethyl acrylate	55	8.155	8.148	0.007	99	86035	20.0	18.7	
69 Methylcyclohexane	83	8.325	8.322	0.003	90	227989	20.0	21.5	
70 1,2-Dichloropropane	63	8.360	8.361	-0.001	75	110065	20.0	20.5	
71 2-ethoxy-2-methyl butane	87	8.367	8.361	0.006	91	146210	20.0	21.0	
72 Methyl methacrylate	69	8.457	8.447	0.010	91	65127	20.0	17.8	
74 Dibromomethane	93	8.467	8.463	0.003	91	71661	20.0	20.1	
73 1,4-Dioxane	88	8.476	8.470	0.006	34	16305	250.0	264.1	
76 Dichlorobromomethane	83	8.708	8.705	0.003	99	133364	20.0	19.8	
77 2-Nitropropane	41	9.000	8.994	0.006	97	126138	100.0	87.1	
78 2-Chloroethyl vinyl ether	63	9.077	9.078	-0.001	92	59751	20.0	19.6	
79 cis-1,3-Dichloropropene	75	9.267	9.261	0.006	96	149938	20.0	20.2	
80 4-Methyl-2-pentanone (MIBK)	43	9.457	9.454	0.003	97	273358	40.0	39.9	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	982767	50.0	51.0	
83 Toluene	92	9.656	9.653	0.003	98	277343	20.0	20.9	
95 trans-1,3-Dichloropropene	75	9.923	9.923	0.000	93	120672	20.0	20.3	
96 Ethyl methacrylate	69	9.994	9.991	0.003	90	126734	20.0	20.5	
S 116 1,3-Dichloropropene, Total	100				0			40.5	
118 1,1,2-Trichloroethane	97	10.135	10.132	0.003	91	94508	20.0	20.4	
119 Tetrachloroethene	166	10.209	10.206	0.003	98	131190	20.0	20.5	
120 1,3-Dichloropropane	76	10.296	10.293	0.003	92	147128	20.0	20.6	
122 2-Hexanone	43	10.357	10.354	0.003	97	163844	40.0	44.5	
124 Chlorodibromomethane	129	10.508	10.508	0.000	90	102280	20.0	20.6	
125 Ethylene Dibromide	107	10.618	10.615	0.003	98	89925	20.0	20.6	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	726665	50.0	50.0	
127 1-Chlorohexane	91	11.064	11.065	-0.001	99	135956	20.0	20.7	
128 Chlorobenzene	112	11.077	11.078	-0.001	96	301223	20.0	20.5	
132 1,1,1,2-Tetrachloroethane	131	11.161	11.161	0.000	94	115519	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
133 Ethylbenzene	91	11.167	11.164	0.003	98	543519	20.0	21.5	
S 134 Xylenes, Total	106				0			65.7	
135 m-Xylene & p-Xylene	106	11.283	11.280	0.003	100	440923	40.0	43.6	
136 n-Butyl acrylate	55	11.569	11.569	0.000	97	170000	20.0	20.9	
137 o-Xylene	106	11.611	11.611	0.000	96	235114	20.0	22.1	
138 Styrene	104	11.627	11.627	0.000	94	345556	20.0	22.3	
139 Bromoform	173	11.785	11.782	0.003	99	75676	20.0	20.7	
140 Isopropylbenzene	105	11.913	11.914	-0.001	95	606300	20.0	22.4	
142 Cyclohexanone	55	11.994	11.994	0.000	92	150772	500.0	630.8	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	94	352362	50.0	51.1	
146 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	95	176912	20.0	20.7	
147 Bromobenzene	156	12.171	12.171	0.000	91	145655	20.0	20.2	
148 trans-1,4-Dichloro-2-butene	53	12.190	12.190	0.000	89	105514	50.0	52.7	
149 1,2,3-Trichloropropane	110	12.209	12.209	0.000	85	55606	20.0	20.2	
150 N-Propylbenzene	91	12.241	12.241	0.000	98	696171	20.0	21.4	
151 2-Chlorotoluene	126	12.315	12.315	0.000	97	146524	20.0	20.5	
152 1,3,5-Trimethylbenzene	105	12.380	12.380	0.000	95	516962	20.0	21.4	
153 4-Chlorotoluene	126	12.408	12.409	-0.001	97	141158	20.0	20.9	
155 tert-Butylbenzene	134	12.621	12.621	0.000	93	105493	20.0	19.6	
157 1,2,4-Trimethylbenzene	105	12.662	12.663	-0.001	97	544800	20.0	21.7	
158 sec-Butylbenzene	105	12.785	12.785	0.000	94	666705	20.0	21.7	
159 1,3-Dichlorobenzene	146	12.881	12.881	0.000	98	305179	20.0	20.8	
160 4-Isopropyltoluene	119	12.891	12.891	0.000	97	599238	20.0	21.9	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	475561	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.955	12.955	0.000	96	303409	20.0	20.5	
163 1,2,3-Trimethylbenzene	105	12.968	12.965	0.003	98	551441	20.0	21.0	
165 Benzyl chloride	91	13.035	13.032	0.003	98	266399	20.0	18.7	
166 1,3-Diethylbenzene	119	13.093	13.094	-0.001	95	339685	20.0	21.5	
167 p-Diethylbenzene	119	13.164	13.161	0.003	96	377981	20.0	21.7	
168 n-Butylbenzene	92	13.183	13.184	-0.001	97	294432	20.0	21.6	
169 1,2-Dichlorobenzene	146	13.216	13.212	0.004	99	321414	20.0	20.6	
170 o-diethylbenzene	119	13.235	13.235	0.000	94	291074	20.0	21.6	
172 1,2-Dibromo-3-Chloropropane	75	13.756	13.756	0.000	89	42649	20.0	20.2	
173 1,3,5-Trichlorobenzene	180	13.878	13.878	0.000	97	287149	20.0	20.8	
174 1,2,4-Trichlorobenzene	180	14.302	14.302	0.000	94	279582	20.0	20.6	
175 2-Ethylhexyl acrylate	55	14.367	14.367	0.000	83	154963	20.0	17.2	
176 Hexachlorobutadiene	225	14.386	14.383	0.003	93	120820	20.0	20.3	
177 Naphthalene	128	14.482	14.483	-0.001	96	863877	20.0	22.1	
178 1,2,3-Trichlorobenzene	180	14.624	14.624	0.000	96	282108	20.0	20.9	
179 2-Methylnaphthalene	142	15.235	15.235	0.000	93	463095	20.0	21.0	
S 211 Total Diethylbenzene	1				0			64.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00257	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00012	Amount Added:	16.00	Units: uL	
MSV_CCV_VOC#3_00259	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00250	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_01144	Amount Added:	2.00	Units: uL	
MSV_CCV_OH_Sp_00027	Amount Added:	4.00	Units: uL	
MSV_CCV_EE_00009	Amount Added:	4.00	Units: uL	
MSV_HP23_ISSS_00017	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 14-Oct-2025 11:06:44 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X14.D

Injection Date: 13-Oct-2025 18:52:20 Instrument ID: 9915 Operator ID: jml01693

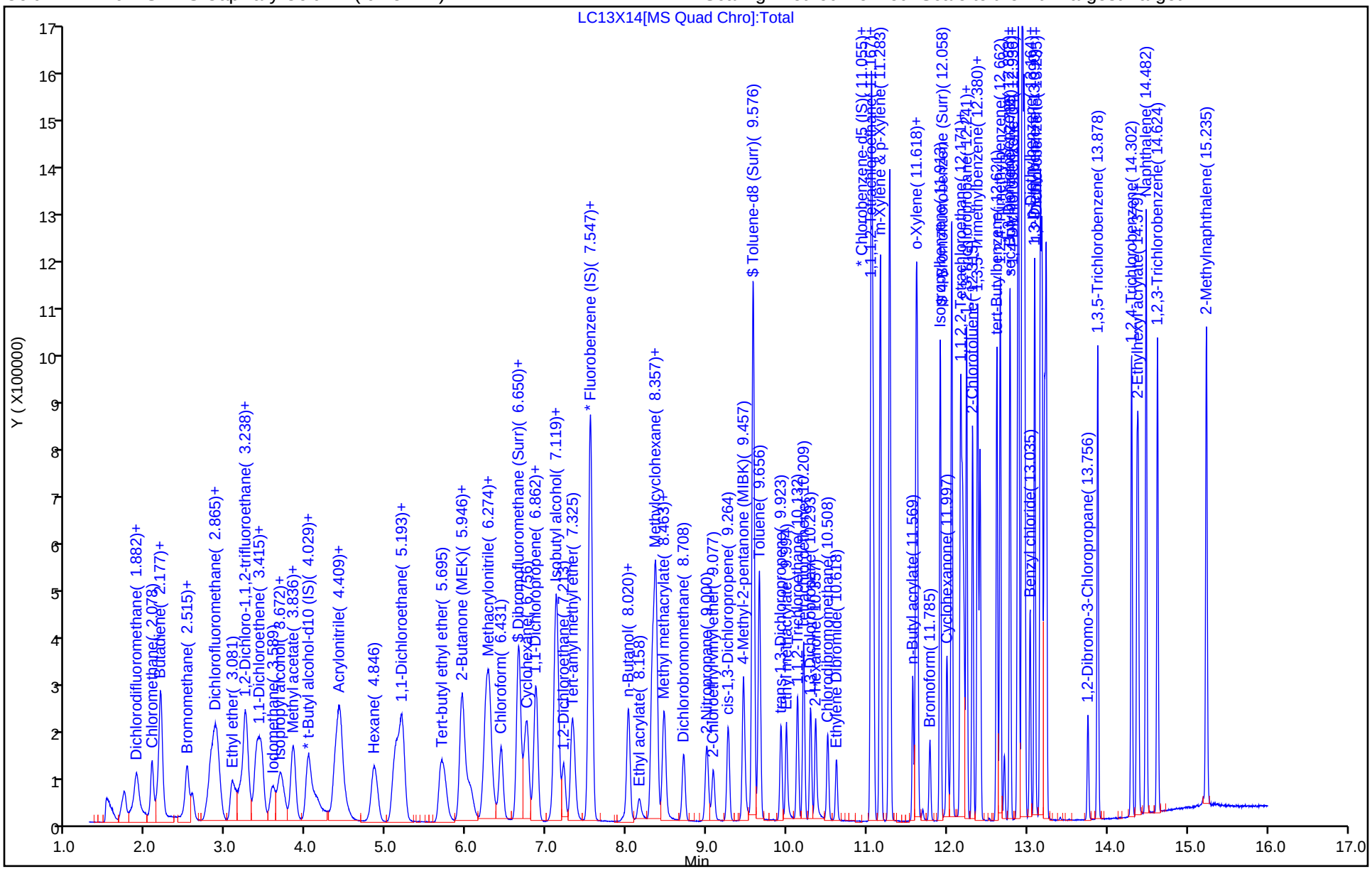
Lims ID: IC v20 Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 14

Method: MSVoa_9915a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

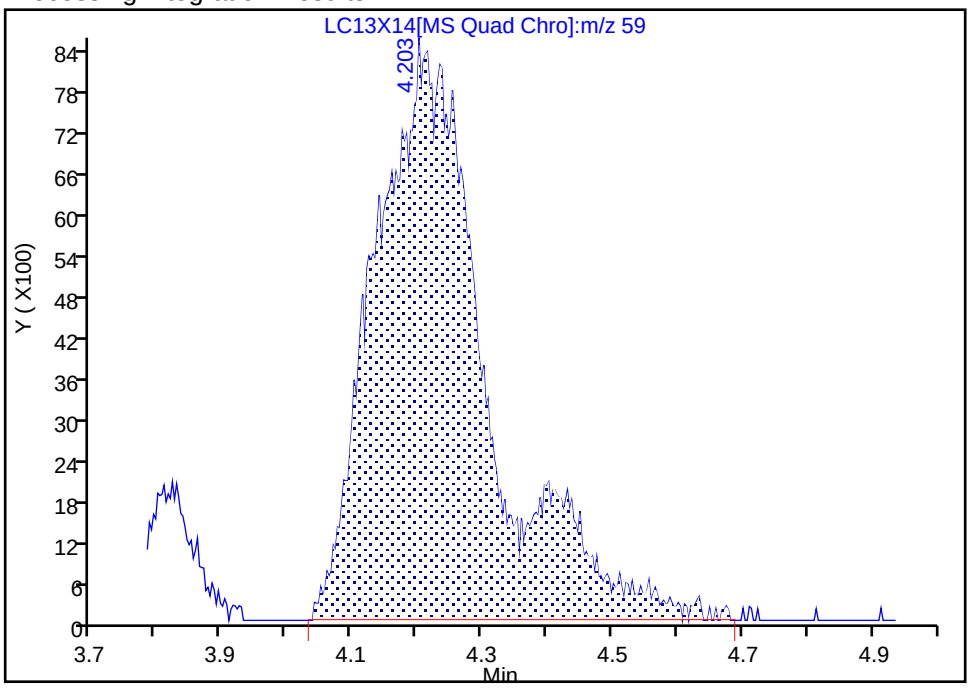
Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X14.D
Injection Date: 13-Oct-2025 18:52:20 Instrument ID: 9915
Lims ID: IC v20
Client ID:
Operator ID: jml01693 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

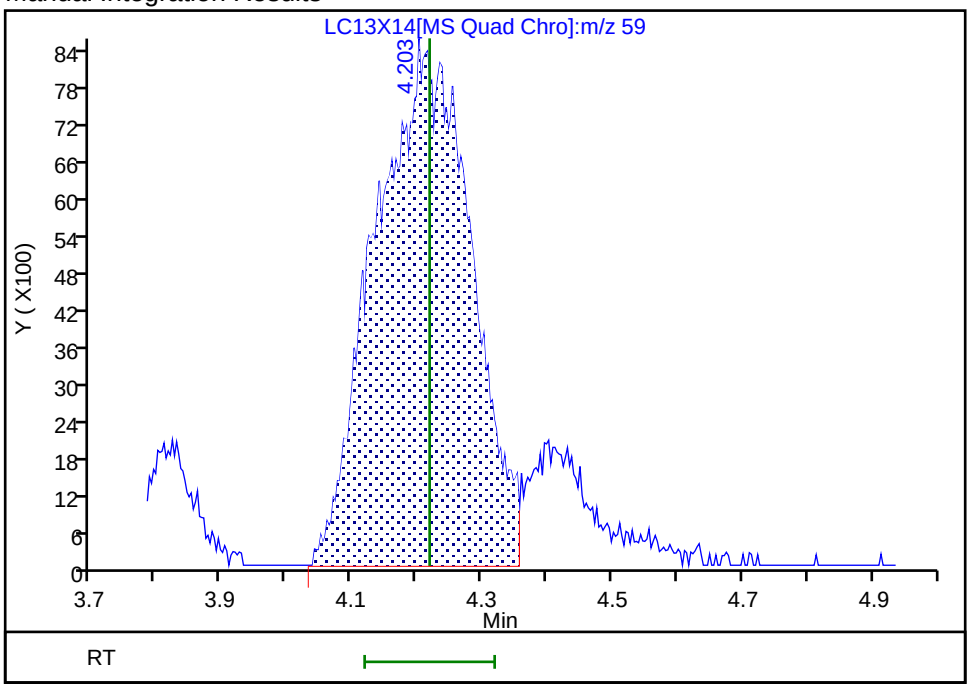
Processing Integration Results

RT: 4.20
Area: 101446
Amount: 130.9279
Amount Units: ug/l



Manual Integration Results

RT: 4.20
Area: 87021
Amount: 101.0130
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 20:58:35 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X15.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 13-Oct-2025 19:14:48 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162959-016
Misc. Info.: ICIS V50
Operator ID: jml01693 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub91

Method: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 11:06:58 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: UKAD Date: 13-Oct-2025 20:50:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.872	1.872	0.000	99	517924	50.0	48.4	
5 Chloromethane	50	2.065	2.065	0.000	99	446770	50.0	46.7	
6 Butadiene	39	2.168	2.168	0.000	89	368998	50.0	45.1	
7 Vinyl chloride	62	2.174	2.174	0.000	98	423317	50.0	47.9	
9 Bromomethane	94	2.496	2.496	0.000	89	281978	50.0	47.2	
10 Chloroethane	64	2.563	2.563	0.000	99	235820	50.0	45.7	
11 Dichlorofluoromethane	67	2.801	2.801	0.000	98	625198	50.0	47.3	
12 Pentane	43	2.853	2.853	0.000	97	461613	50.0	47.0	
13 Trichlorofluoromethane	101	2.869	2.869	0.000	98	550624	50.0	46.9	
15 Ethyl ether	59	3.052	3.052	0.000	92	232265	50.0	49.6	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.197	3.197	0.000	92	332271	50.0	46.2	
17 Acrolein	56	3.226	3.226	0.000	100	973277	487.9	473.4	
18 1,1-Dichloroethene	96	3.358	3.358	0.000	98	257778	50.0	46.9	
19 Acetone	58	3.399	3.399	0.000	100	86366	100.0	97.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.428	3.428	0.000	88	276131	50.0	49.2	
22 Iodomethane	142	3.570	3.570	0.000	99	517426	50.0	49.2	
21 Isopropyl alcohol	45	3.618	3.618	0.000	38	147798	250.0	254.2	
23 Carbon disulfide	76	3.669	3.669	0.000	99	957860	50.0	48.8	
25 Methyl acetate	43	3.795	3.795	0.000	99	294405	50.0	51.1	
26 3-Chloro-1-propene	41	3.821	3.821	0.000	91	441173	50.0	48.2	
27 Methylene Chloride	84	4.004	4.004	0.000	91	308779	50.0	47.7	
* 28 t-Butyl alcohol-d10 (IS)	65	4.091	4.091	0.000	76	211734	250.0	250.0	
29 2-Methyl-2-propanol	59	4.219	4.219	0.000	34	221867	250.0	243.9	M
30 Acrylonitrile	53	4.338	4.338	0.000	100	423046	125.0	123.8	
32 trans-1,2-Dichloroethene	96	4.396	4.396	0.000	99	297601	50.0	46.8	
31 Methyl tert-butyl ether	73	4.425	4.425	0.000	92	876873	50.0	50.9	
35 Hexane	57	4.833	4.833	0.000	92	382690	50.0	50.4	
36 1,1-Dichloroethane	63	5.084	5.084	0.000	96	495510	50.0	48.0	
38 Isopropyl ether	45	5.145	5.145	0.000	97	871398	50.0	51.4	
39 2-Chloro-1,3-butadiene	53	5.187	5.187	0.000	91	420301	50.0	50.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.685	5.685	0.000	96	786956	50.0	51.8	
41 2-Butanone (MEK)	43	5.933	5.933	0.000	62	349582	100.0	105.1	
42 cis-1,2-Dichloroethene	96	5.933	5.933	0.000	80	324018	50.0	48.2	
43 2,2-Dichloropropane	77	5.959	5.959	0.000	90	363091	50.0	50.5	
45 Propionitrile	54	6.023	6.023	0.000	99	329145	250.0	257.5	
46 Methyl acrylate	55	6.039	6.039	0.000	100	304423	50.0	51.3	
48 Methacrylonitrile	67	6.226	6.226	0.000	92	397192	125.0	134.6	
49 Chlorobromomethane	128	6.267	6.267	0.000	93	172161	50.0	48.6	
50 Tetrahydrofuran	71	6.277	6.277	0.000	82	250842	250.0	248.5	
51 Chloroform	83	6.419	6.419	0.000	93	488451	50.0	48.0	
$ 52 Dibromofluoromethane (Surr)	113	6.640	6.640	0.000	95	258351	50.0	48.7	
53 1,1,1-Trichloroethane	97	6.647	6.647	0.000	98	422149	50.0	49.0	
54 Cyclohexane	56	6.747	6.747	0.000	90	516215	50.0	50.8	
55 1,1-Dichloropropene	75	6.859	6.859	0.000	95	369439	50.0	49.4	
56 Carbon tetrachloride	117	6.862	6.862	0.000	84	361287	50.0	50.2	
57 Isobutyl alcohol	41	7.071	7.071	0.000	88	151012	625.0	666.3	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.100	7.100	0.000	79	64595	50.0	49.1	
59 Benzene	78	7.126	7.126	0.000	96	1150389	50.0	49.0	
60 1,2-Dichloroethane	62	7.203	7.203	0.000	98	381122	50.0	48.5	
62 Tert-amyl methyl ether	73	7.312	7.312	0.000	98	748706	50.0	53.1	
* 63 Fluorobenzene (IS)	96	7.537	7.537	0.000	99	1057163	50.0	50.0	
64 n-Heptane	43	7.547	7.547	0.000	91	389618	50.0	48.8	
66 n-Butanol	56	7.975	7.975	0.000	90	76057	625.0	697.0	
67 Trichloroethene	95	8.013	8.013	0.000	96	288197	50.0	49.1	
68 Ethyl acrylate	55	8.148	8.148	0.000	99	273554	50.0	48.6	
69 Methylcyclohexane	83	8.322	8.322	0.000	92	563590	50.0	52.4	
70 1,2-Dichloropropane	63	8.361	8.361	0.000	87	273639	50.0	50.2	
71 2-ethoxy-2-methyl butane	87	8.361	8.361	0.000	92	376284	50.0	53.4	
72 Methyl methacrylate	69	8.447	8.447	0.000	93	195625	50.0	46.7	
74 Dibromomethane	93	8.463	8.463	0.000	93	179772	50.0	49.9	
73 1,4-Dioxane	88	8.470	8.470	0.000	33	45543	625.0	698.6	
76 Dichlorobromomethane	83	8.705	8.705	0.000	100	343872	50.0	50.5	
77 2-Nitropropane	41	8.994	8.994	0.000	99	385672	250.0	245.0	
78 2-Chloroethyl vinyl ether	63	9.078	9.078	0.000	93	164230	50.0	53.2	
79 cis-1,3-Dichloropropene	75	9.261	9.261	0.000	95	404057	50.0	53.7	
80 4-Methyl-2-pentanone (MIBK)	43	9.454	9.454	0.000	96	773942	100.0	111.4	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	1000201	50.0	49.9	
83 Toluene	92	9.653	9.653	0.000	99	689868	50.0	50.1	
95 trans-1,3-Dichloropropene	75	9.923	9.923	0.000	93	336721	50.0	54.6	
96 Ethyl methacrylate	69	9.991	9.991	0.000	89	357996	50.0	55.6	
118 1,1,2-Trichloroethane	97	10.132	10.132	0.000	90	241228	50.0	50.1	
119 Tetrachloroethene	166	10.206	10.206	0.000	97	327195	50.0	49.2	
120 1,3-Dichloropropane	76	10.293	10.293	0.000	91	378833	50.0	51.0	
122 2-Hexanone	43	10.354	10.354	0.000	96	430013	100.0	112.4	
124 Chlorodibromomethane	129	10.508	10.508	0.000	90	272593	50.0	52.7	
125 Ethylene Dibromide	107	10.615	10.615	0.000	98	232455	50.0	51.2	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	84	755706	50.0	50.0	
127 1-Chlorohexane	91	11.065	11.065	0.000	97	337622	50.0	49.3	
128 Chlorobenzene	112	11.078	11.078	0.000	98	754862	50.0	49.4	
132 1,1,1,2-Tetrachloroethane	131	11.161	11.161	0.000	94	304017	50.0	53.2	
133 Ethylbenzene	91	11.164	11.164	0.000	98	1357499	50.0	51.6	
135 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	1094453	100.0	104.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
136 n-Butyl acrylate	55	11.569	11.569	0.000	97	479824	50.0	56.8	
137 o-Xylene	106	11.611	11.611	0.000	96	591119	50.0	53.4	
138 Styrene	104	11.627	11.627	0.000	95	857393	50.0	53.3	
139 Bromoform	173	11.782	11.782	0.000	99	203402	50.0	53.5	
140 Isopropylbenzene	105	11.914	11.914	0.000	95	1549077	50.0	55.0	
142 Cyclohexanone	55	11.994	11.994	0.000	92	163174	625.0	646.1	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	96	349666	50.0	48.7	
146 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	96	438647	50.0	51.9	
147 Bromobenzene	156	12.171	12.171	0.000	89	358186	50.0	50.3	
148 trans-1,4-Dichloro-2-butene	53	12.190	12.190	0.000	89	262947	125.0	132.9	
149 1,2,3-Trichloropropane	110	12.209	12.209	0.000	84	137673	50.0	50.6	
150 N-Propylbenzene	91	12.241	12.241	0.000	98	1697347	50.0	52.8	
151 2-Chlorotoluene	126	12.315	12.315	0.000	97	363521	50.0	51.4	
152 1,3,5-Trimethylbenzene	105	12.380	12.380	0.000	94	1328433	50.0	55.8	
153 4-Chlorotoluene	126	12.409	12.409	0.000	96	339799	50.0	50.9	
155 tert-Butylbenzene	134	12.621	12.621	0.000	92	287770	50.0	54.1	
157 1,2,4-Trimethylbenzene	105	12.663	12.663	0.000	97	1370149	50.0	55.3	
158 sec-Butylbenzene	105	12.785	12.785	0.000	93	1700395	50.0	56.1	
159 1,3-Dichlorobenzene	146	12.881	12.881	0.000	99	741633	50.0	51.2	
160 4-Isopropyltoluene	119	12.891	12.891	0.000	97	1537402	50.0	56.8	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	92	469839	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.955	12.955	0.000	96	726615	50.0	49.8	
163 1,2,3-Trimethylbenzene	105	12.965	12.965	0.000	98	1401692	50.0	54.1	
165 Benzyl chloride	91	13.032	13.032	0.000	98	761354	50.0	49.3	
166 1,3-Diethylbenzene	119	13.094	13.094	0.000	95	862026	50.0	55.2	
167 p-Diethylbenzene	119	13.161	13.161	0.000	95	941858	50.0	54.6	
168 n-Butylbenzene	92	13.184	13.184	0.000	97	717157	50.0	53.2	
169 1,2-Dichlorobenzene	146	13.212	13.212	0.000	99	787257	50.0	51.2	
170 o-diethylbenzene	119	13.235	13.235	0.000	94	736922	50.0	55.2	
172 1,2-Dibromo-3-Chloropropane	75	13.756	13.756	0.000	90	114559	50.0	55.0	
173 1,3,5-Trichlorobenzene	180	13.878	13.878	0.000	98	721934	50.0	52.9	
174 1,2,4-Trichlorobenzene	180	14.302	14.302	0.000	94	721266	50.0	53.9	
175 2-Ethylhexyl acrylate	55	14.367	14.367	0.000	87	488164	50.0	50.1	
176 Hexachlorobutadiene	225	14.383	14.383	0.000	93	313594	50.0	53.4	
177 Naphthalene	128	14.483	14.483	0.000	96	2208281	50.0	57.3	
178 1,2,3-Trichlorobenzene	180	14.624	14.624	0.000	96	712082	50.0	53.4	
179 2-Methylnaphthalene	142	15.235	15.235	0.000	93	1257597	50.0	57.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00257	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00012	Amount Added:	10.00	Units: uL	
MSV_CCV_VOC#3_00259	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00250	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_01144	Amount Added:	2.50	Units: uL	
MSV_CCV_OH_Sp_00027	Amount Added:	5.00	Units: uL	
MSV_CCV_EE_00009	Amount Added:	5.00	Units: uL	
MSV_HP23_ISSS_00017	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 14-Oct-2025 11:06:59 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X15.D

Injection Date: 13-Oct-2025 19:14:48 Instrument ID: 9915 Operator ID: jml01693

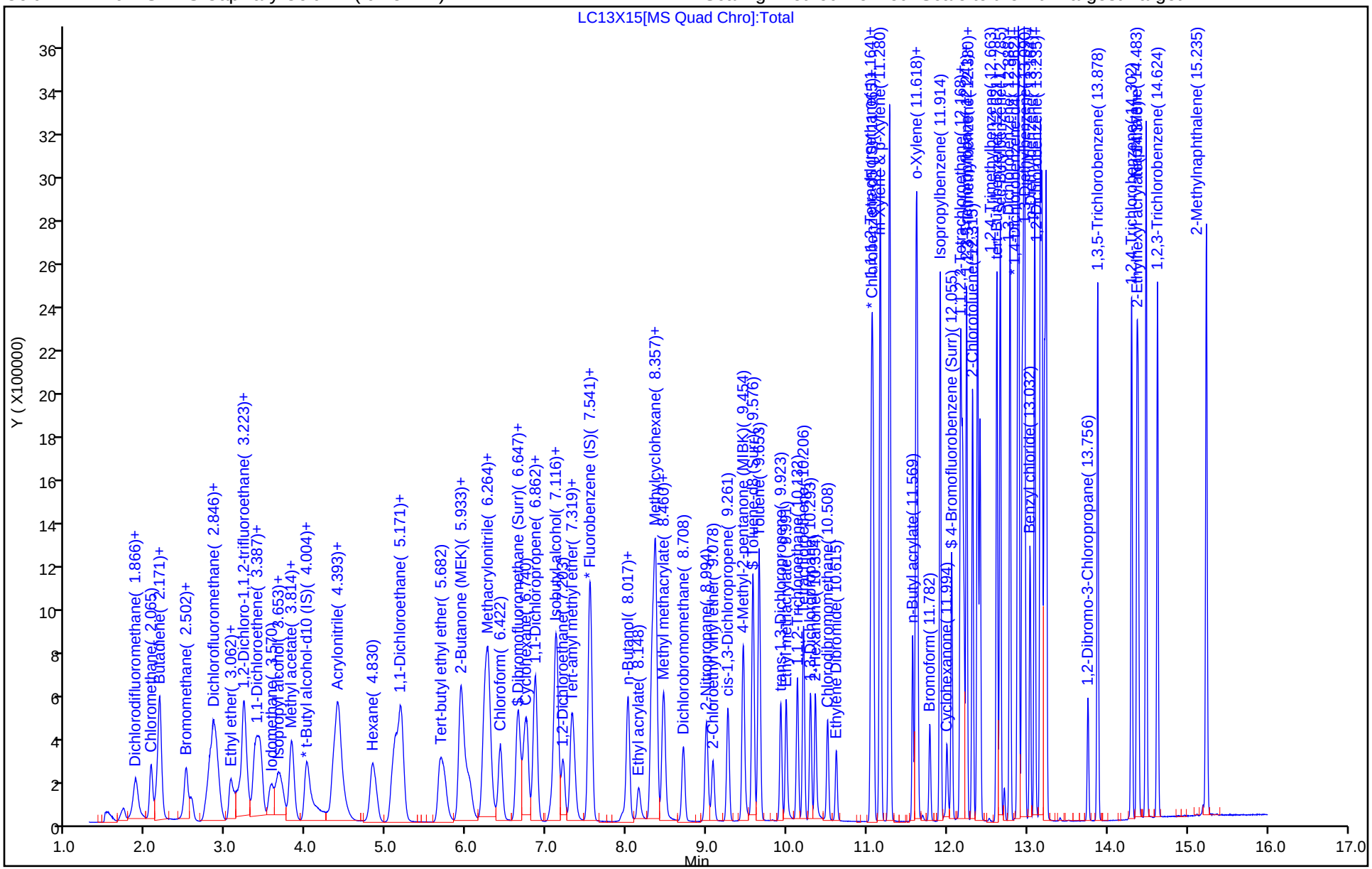
Lims ID: ICIS v50 Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 15

Method: MSVoa_9915a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

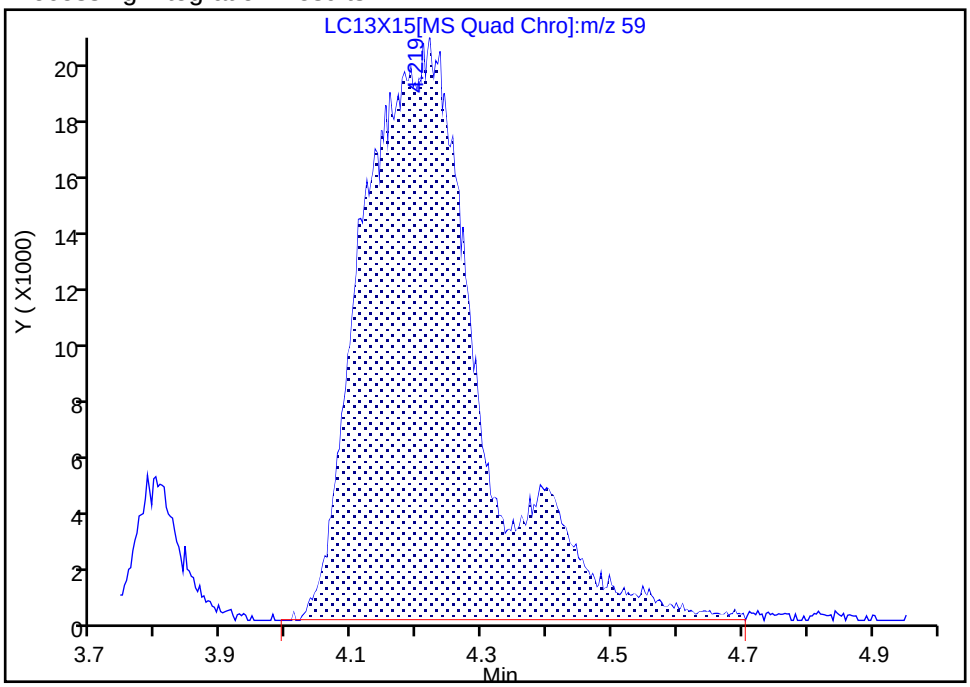
Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X15.D
Injection Date: 13-Oct-2025 19:14:48 Instrument ID: 9915
Lims ID: ICIS v50
Client ID:
Operator ID: jml01693 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

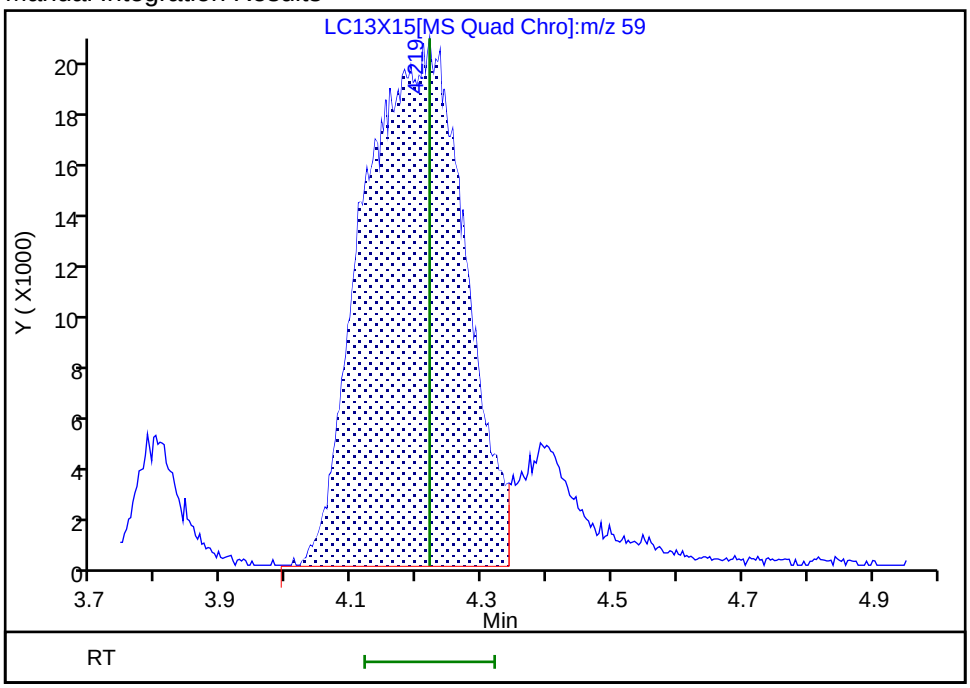
Processing Integration Results

RT: 4.22
Area: 256547
Amount: 306.1223
Amount Units: ug/l



Manual Integration Results

RT: 4.22
Area: 221867
Amount: 243.8762
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 20:57:34 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X16.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 13-Oct-2025 19:37:13 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162959-017
Misc. Info.: IC V100
Operator ID: jml01693 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub91

Method: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 11:07:08 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: UKAD Date: 13-Oct-2025 20:57:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.879	1.872	0.006	99	1120982	100.0	98.1	
5 Chloromethane	50	2.068	2.065	0.003	99	931978	100.0	91.3	
6 Butadiene	39	2.174	2.168	0.006	90	768960	100.0	88.1	
7 Vinyl chloride	62	2.178	2.174	0.004	98	875738	100.0	92.7	
9 Bromomethane	94	2.505	2.496	0.009	89	587414	100.0	92.0	
10 Chloroethane	64	2.573	2.563	0.010	99	493334	100.0	89.5	
11 Dichlorofluoromethane	67	2.814	2.801	0.013	98	1307571	100.0	92.6	
12 Pentane	43	2.856	2.853	0.003	96	1017070	100.0	96.9	
13 Trichlorofluoromethane	101	2.875	2.869	0.006	99	1183409	100.0	94.4	
15 Ethyl ether	59	3.065	3.052	0.013	91	505901	100.0	101.2	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.190	3.197	-0.007	89	706275	100.0	92.0	
17 Acrolein	56	3.235	3.226	0.009	100	2074300	975.8	959.3	
18 1,1-Dichloroethene	96	3.370	3.358	0.012	98	559175	100.0	95.3	
19 Acetone	58	3.406	3.399	0.007	100	183382	200.0	196.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.431	3.428	0.003	89	583184	100.0	97.3	
22 Iodomethane	142	3.573	3.570	0.003	98	1107943	100.0	98.7	
21 Isopropyl alcohol	45	3.602	3.618	-0.016	37	310422	500.0	507.6	
23 Carbon disulfide	76	3.679	3.669	0.010	99	2020001	100.0	96.4	
25 Methyl acetate	43	3.798	3.795	0.003	95	611548	100.0	99.4	
26 3-Chloro-1-propene	41	3.827	3.821	0.006	92	955865	100.0	97.7	
27 Methylene Chloride	84	4.013	4.004	0.009	90	656346	100.0	95.0	
* 28 t-Butyl alcohol-d10 (IS)	65	4.110	4.091	0.019	79	222679	250.0	250.0	
29 2-Methyl-2-propanol	59	4.222	4.219	0.003	32	486690	500.0	508.7	M
30 Acrylonitrile	53	4.345	4.338	0.007	99	886228	250.0	242.9	
32 trans-1,2-Dichloroethene	96	4.403	4.396	0.006	99	641357	100.0	94.5	
31 Methyl tert-butyl ether	73	4.441	4.425	0.016	90	1874034	100.0	101.8	
35 Hexane	57	4.837	4.833	0.004	92	834643	100.0	102.9	
36 1,1-Dichloroethane	63	5.087	5.084	0.003	96	1054604	100.0	95.6	
38 Isopropyl ether	45	5.155	5.145	0.010	96	1849387	100.0	102.1	
39 2-Chloro-1,3-butadiene	53	5.193	5.187	0.006	92	918764	100.0	103.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.685	5.685	0.000	97	1740617	100.0	107.4	
41 2-Butanone (MEK)	43	5.927	5.933	-0.006	69	797402	200.0	224.5	
42 cis-1,2-Dichloroethene	96	5.936	5.933	0.003	82	696220	100.0	96.9	
43 2,2-Dichloropropane	77	5.972	5.959	0.013	90	804375	100.0	104.8	
45 Propionitrile	54	6.020	6.023	-0.003	98	697220	500.0	518.6	
46 Methyl acrylate	55	6.049	6.039	0.010	100	764271	100.0	120.6	
S 47 1,2-Dichloroethene, Total	100				0			191.5	
48 Methacrylonitrile	67	6.226	6.226	0.000	92	857903	250.0	272.2	
49 Chlorobromomethane	128	6.271	6.267	0.004	93	364077	100.0	96.2	
50 Tetrahydrofuran	71	6.280	6.277	0.003	82	553950	500.0	519.2	
51 Chloroform	83	6.428	6.419	0.009	94	1045474	100.0	96.2	
$ 52 Dibromofluoromethane (Surr)	113	6.644	6.640	0.004	94	275154	50.0	48.6	
53 1,1,1-Trichloroethane	97	6.660	6.647	0.013	98	920451	100.0	100.1	
54 Cyclohexane	56	6.756	6.747	0.010	89	1119415	100.0	103.2	
55 1,1-Dichloropropene	75	6.859	6.859	0.000	95	807695	100.0	101.1	
56 Carbon tetrachloride	117	6.862	6.862	0.000	86	796659	100.0	103.8	
57 Isobutyl alcohol	41	7.071	7.071	0.000	92	360661	1250.0	1513.0	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.103	7.100	0.003	76	69536	50.0	49.5	
59 Benzene	78	7.129	7.126	0.003	96	2481926	100.0	99.0	
60 1,2-Dichloroethane	62	7.206	7.203	0.003	98	810500	100.0	96.7	
62 Tert-amyl methyl ether	73	7.325	7.312	0.013	97	1687552	100.0	112.0	
* 63 Fluorobenzene (IS)	96	7.537	7.537	0.000	99	1128712	50.0	50.0	
64 n-Heptane	43	7.547	7.547	0.000	94	830895	100.0	97.5	
66 n-Butanol	56	7.968	7.975	-0.007	90	202978	1250.0	1768.7	
67 Trichloroethene	95	8.017	8.013	0.004	96	639920	100.0	102.1	
68 Ethyl acrylate	55	8.152	8.148	0.004	100	668239	100.0	101.1	
69 Methylcyclohexane	83	8.319	8.322	-0.003	94	1210246	100.0	105.5	
70 1,2-Dichloropropane	63	8.361	8.361	0.000	83	582721	100.0	100.1	
71 2-ethoxy-2-methyl butane	87	8.367	8.361	0.006	93	866423	100.0	115.1	
72 Methyl methacrylate	69	8.451	8.447	0.004	92	447818	100.0	96.5	
74 Dibromomethane	93	8.470	8.463	0.007	91	382143	100.0	99.3	
73 1,4-Dioxane	88	8.460	8.470	-0.010	42	95463	1250.0	1392.4	
76 Dichlorobromomethane	83	8.708	8.705	0.003	100	759365	100.0	104.4	
77 2-Nitropropane	41	8.997	8.994	0.003	99	881452	500.0	528.0	
78 2-Chloroethyl vinyl ether	63	9.081	9.078	0.003	92	365976	100.0	111.0	
79 cis-1,3-Dichloropropene	75	9.267	9.261	0.006	96	924310	100.0	115.1	
80 4-Methyl-2-pentanone (MIBK)	43	9.454	9.454	0.000	96	1769823	200.0	238.5	
$ 82 Toluene-d8 (Surr)	98	9.579	9.576	0.003	93	1076188	50.0	48.9	
83 Toluene	92	9.653	9.653	0.000	98	1514171	100.0	100.1	
95 trans-1,3-Dichloropropene	75	9.926	9.923	0.003	92	779572	100.0	115.1	
96 Ethyl methacrylate	69	9.991	9.991	0.000	89	819026	100.0	115.8	
S 116 1,3-Dichloropropene, Total	100				0			230.1	
118 1,1,2-Trichloroethane	97	10.132	10.132	0.000	90	520724	100.0	98.5	
119 Tetrachloroethene	166	10.209	10.206	0.003	98	721366	100.0	98.7	
120 1,3-Dichloropropane	76	10.296	10.293	0.003	91	829051	100.0	101.6	
122 2-Hexanone	43	10.354	10.354	0.000	96	1009792	200.0	240.2	
124 Chlorodibromomethane	129	10.508	10.508	0.000	90	618400	100.0	108.8	
125 Ethylene Dibromide	107	10.618	10.615	0.003	98	510884	100.0	102.3	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	84	830300	50.0	50.0	
127 1-Chlorohexane	91	11.065	11.065	0.000	97	737902	100.0	98.1	
128 Chlorobenzene	112	11.077	11.078	-0.001	96	1645263	100.0	98.1	
132 1,1,1,2-Tetrachloroethane	131	11.164	11.161	0.003	96	662288	100.0	105.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
133 Ethylbenzene	91	11.168	11.164	0.004	97	2902382	100.0	100.5	
S 134 Xylenes, Total	106				0			305.5	
135 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	2348843	200.0	203.2	
136 n-Butyl acrylate	55	11.566	11.569	-0.003	97	1086365	100.0	117.0	
137 o-Xylene	106	11.614	11.611	0.003	95	1243334	100.0	102.2	
138 Styrene	104	11.627	11.627	0.000	95	1821168	100.0	102.9	
139 Bromoform	173	11.785	11.782	0.003	99	451781	100.0	108.2	
140 Isopropylbenzene	105	11.913	11.914	-0.001	95	3274942	100.0	105.8	
142 Cyclohexanone	55	11.994	11.994	0.000	91	354397	1250.0	1318.5	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	96	370068	50.0	46.9	
146 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	96	890698	100.0	102.6	
147 Bromobenzene	156	12.171	12.171	0.000	95	766217	100.0	104.8	
148 trans-1,4-Dichloro-2-butene	53	12.190	12.190	0.000	92	528305	250.0	259.9	
149 1,2,3-Trichloropropane	110	12.209	12.209	0.000	84	280559	100.0	100.3	
150 N-Propylbenzene	91	12.241	12.241	0.000	98	3542190	100.0	107.3	
151 2-Chlorotoluene	126	12.319	12.315	0.004	98	770696	100.0	106.1	
152 1,3,5-Trimethylbenzene	105	12.380	12.380	0.000	94	2806313	100.0	114.7	
153 4-Chlorotoluene	126	12.412	12.409	0.003	96	701958	100.0	102.3	
155 tert-Butylbenzene	134	12.621	12.621	0.000	91	637285	100.0	116.7	
157 1,2,4-Trimethylbenzene	105	12.663	12.663	0.000	97	2853438	100.0	112.0	
158 sec-Butylbenzene	105	12.785	12.785	0.000	94	3592127	100.0	115.3	
159 1,3-Dichlorobenzene	146	12.881	12.881	0.000	98	1521415	100.0	102.2	
160 4-Isopropyltoluene	119	12.891	12.891	0.000	97	3215006	100.0	115.6	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	482837	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.955	12.955	0.000	97	1478097	100.0	98.6	
163 1,2,3-Trimethylbenzene	105	12.968	12.965	0.003	98	2919933	100.0	109.8	
165 Benzyl chloride	91	13.032	13.032	0.000	98	1675641	100.0	102.6	
166 1,3-Diethylbenzene	119	13.090	13.094	-0.004	95	1786520	100.0	111.4	
167 p-Diethylbenzene	119	13.161	13.161	0.000	94	1926676	100.0	108.7	
168 n-Butylbenzene	92	13.184	13.184	0.000	97	1460199	100.0	105.4	
169 1,2-Dichlorobenzene	146	13.216	13.212	0.004	99	1598127	100.0	101.1	
170 o-diethylbenzene	119	13.235	13.235	0.000	94	1542993	100.0	112.5	
172 1,2-Dibromo-3-Chloropropane	75	13.756	13.756	0.000	91	235403	100.0	110.0	
173 1,3,5-Trichlorobenzene	180	13.878	13.878	0.000	97	1458859	100.0	104.0	
174 1,2,4-Trichlorobenzene	180	14.302	14.302	0.000	94	1458804	100.0	106.0	
175 2-Ethylhexyl acrylate	55	14.367	14.367	0.000	80	1094969	100.0	106.8	
176 Hexachlorobutadiene	225	14.383	14.383	0.000	94	659906	100.0	109.3	
177 Naphthalene	128	14.482	14.483	-0.001	96	4359760	100.0	110.0	
178 1,2,3-Trichlorobenzene	180	14.624	14.624	0.000	96	1424307	100.0	103.9	
179 2-Methylnaphthalene	142	15.235	15.235	0.000	94	2547591	100.0	113.8	
S 211 Total Diethylbenzene	1				0			332.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00257	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00012	Amount Added:	10.00	Units: uL	
MSV_CCV_VOC#3_00259	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00250	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_01144	Amount Added:	2.50	Units: uL	
MSV_CCV_OH_Sp_00027	Amount Added:	5.00	Units: uL	
MSV_CCV_EE_00009	Amount Added:	5.00	Units: uL	
MSV_HP23_ISSS_00017	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 14-Oct-2025 11:07:09 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X16.D

Injection Date: 13-Oct-2025 19:37:13 Instrument ID: 9915 Operator ID: jml01693

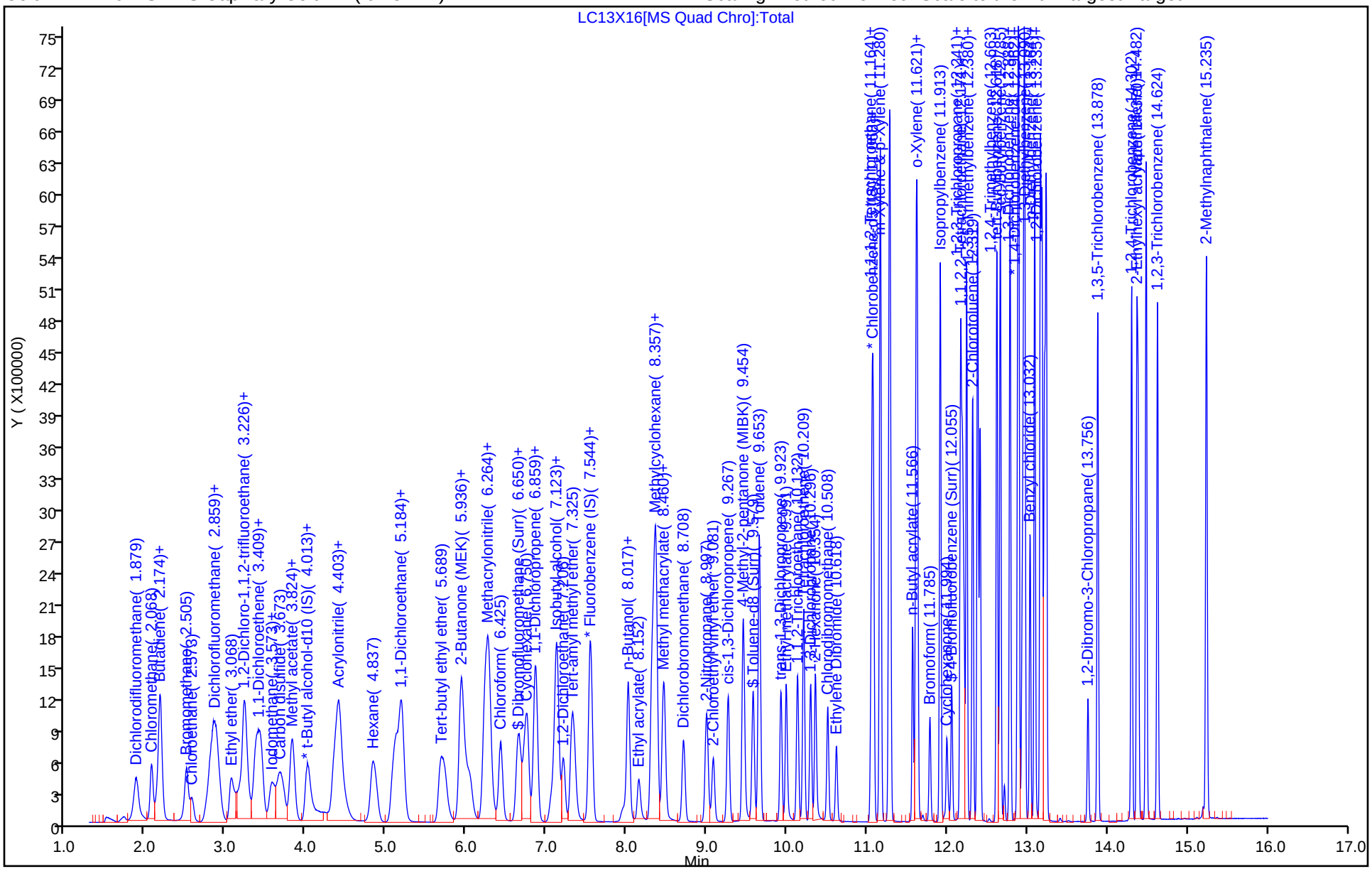
Lims ID: IC v100 Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 16

Method: MSVoa_9915a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

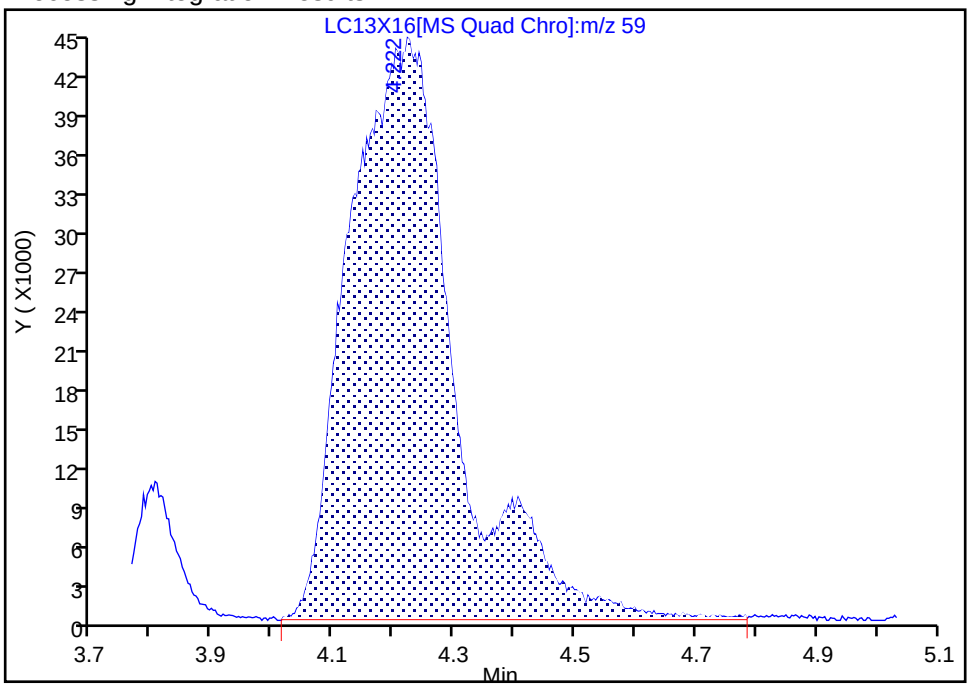
Data File:	\\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X16.D				
Injection Date:	13-Oct-2025 19:37:13	Instrument ID:	9915		
Lims ID:	IC v100				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

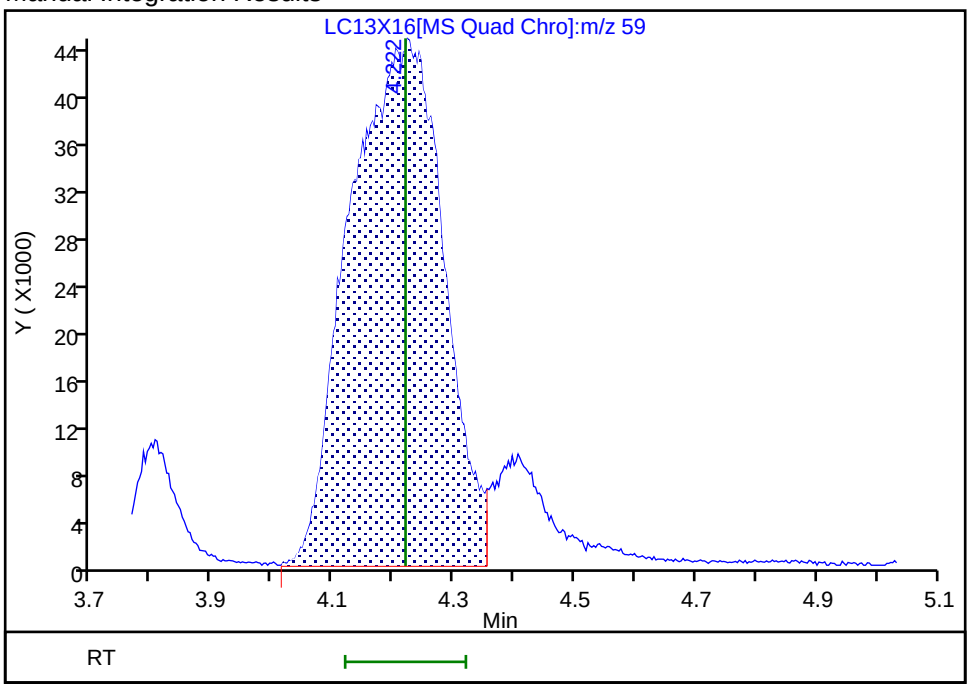
Processing Integration Results

RT: 4.22
Area: 552832
Amount: 614.0719
Amount Units: ug/l



Manual Integration Results

RT: 4.22
Area: 486690
Amount: 508.6752
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 20:56:24 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 13-Oct-2025 19:59:39 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162959-018
Misc. Info.: IC V300
Operator ID: jml01693 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub91

Method: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 11:07:14 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: UKAD Date: 13-Oct-2025 20:56:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.872	1.872	0.000	100	3421024	300.0	286.7	
5 Chloromethane	50	2.065	2.065	0.000	99	2778835	300.0	260.6	
6 Butadiene	39	2.171	2.168	0.003	86	2225524	300.0	244.2	
7 Vinyl chloride	62	2.171	2.174	-0.003	98	2506543	300.0	254.2	
9 Bromomethane	94	2.499	2.496	0.003	90	1624368	300.0	243.7	
10 Chloroethane	64	2.563	2.563	0.000	100	1347903	300.0	234.2	
11 Dichlorofluoromethane	67	2.811	2.801	0.010	97	3893225	300.0	263.9	
12 Pentane	43	2.850	2.853	-0.003	97	3168879	300.0	289.3	
13 Trichlorofluoromethane	101	2.872	2.869	0.003	100	3619747	300.0	276.5	
15 Ethyl ether	59	3.055	3.052	0.003	91	1465289	300.1	280.8	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.194	3.197	-0.003	91	2127714	300.0	265.4	
17 Acrolein	56	3.226	3.226	0.000	100	5804547	2927.5	2450.4	
18 1,1-Dichloroethene	96	3.383	3.358	0.025	98	1695532	300.0	276.7	
19 Acetone	58	3.396	3.399	-0.003	85	549818	600.0	538.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.432	3.428	0.004	91	1810949	300.0	289.5	
22 Iodomethane	142	3.583	3.570	0.013	97	3341407	300.0	285.1	
21 Isopropyl alcohol	45	3.576	3.618	-0.042	51	978164	1500.0	1460.0	
23 Carbon disulfide	76	3.695	3.669	0.026	99	6081749	300.0	277.8	
25 Methyl acetate	43	3.788	3.795	-0.007	95	1827132	300.0	284.4	
26 3-Chloro-1-propene	41	3.817	3.821	-0.004	92	2809516	300.0	275.1	
27 Methylene Chloride	84	4.013	4.004	0.009	93	1967963	300.0	272.7	
* 28 t-Butyl alcohol-d10 (IS)	65	4.094	4.091	0.003	80	243954	250.0	250.0	
29 2-Methyl-2-propanol	59	4.222	4.219	0.003	30	1464458	1500.0	1397.1	M
30 Acrylonitrile	53	4.341	4.338	0.003	99	2615307	750.0	686.5	
32 trans-1,2-Dichloroethene	96	4.396	4.396	0.000	99	1873155	300.0	264.5	
31 Methyl tert-butyl ether	73	4.425	4.425	0.000	93	5695462	300.0	296.3	M
35 Hexane	57	4.827	4.833	-0.006	92	2610753	300.0	308.3	
36 1,1-Dichloroethane	63	5.078	5.084	-0.006	96	3107408	300.0	269.8	
38 Isopropyl ether	45	5.145	5.145	0.000	93	5496500	300.0	290.7	
39 2-Chloro-1,3-butadiene	53	5.187	5.187	0.000	91	2737725	300.0	294.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.692	5.685	0.007	99	5465786	300.0	322.9	
41 2-Butanone (MEK)	43	5.914	5.933	-0.019	100	2554266	600.0	688.8	
42 cis-1,2-Dichloroethene	96	5.933	5.933	0.000	81	2073545	300.0	276.4	
43 2,2-Dichloropropane	77	5.968	5.959	0.009	86	2525725	300.0	315.2	
45 Propionitrile	54	6.017	6.023	-0.006	96	2121857	1500.0	1440.8	
46 Methyl acrylate	55	6.042	6.039	0.003	100	2308391	300.1	348.9	
S 47 1,2-Dichloroethene, Total	100				0			540.9	
48 Methacrylonitrile	67	6.229	6.226	0.003	91	2630827	750.0	799.5	
49 Chlorobromomethane	128	6.267	6.267	0.000	91	1076608	300.0	272.5	
50 Tetrahydrofuran	71	6.280	6.277	0.003	84	1751524	1500.0	1494.3	
51 Chloroform	83	6.422	6.419	0.003	94	3112084	300.0	274.1	
$ 52 Dibromofluoromethane (Surr)	113	6.640	6.640	0.000	53	287059	50.0	48.5	
53 1,1,1-Trichloroethane	97	6.660	6.647	0.013	98	2862739	300.0	298.1	
54 Cyclohexane	56	6.753	6.747	0.007	89	3494240	300.0	308.6	
55 1,1-Dichloropropene	75	6.859	6.859	0.000	96	2458406	300.0	294.7	
56 Carbon tetrachloride	117	6.862	6.862	0.000	97	2515222	300.0	313.7	
57 Isobutyl alcohol	41	7.068	7.071	-0.003	94	1191763	3750.0	4563.6	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.100	7.100	0.000	81	72698	50.0	49.6	
59 Benzene	78	7.126	7.126	0.000	95	7458990	300.0	285.0	
60 1,2-Dichloroethane	62	7.203	7.203	0.000	98	2396493	300.0	273.8	
62 Tert-amyl methyl ether	73	7.328	7.312	0.016	98	5471923	300.0	347.8	
* 63 Fluorobenzene (IS)	96	7.541	7.537	0.004	99	1178551	50.0	50.0	
64 n-Heptane	43	7.547	7.547	0.000	91	2541721	300.0	285.6	
66 n-Butanol	56	7.949	7.975	-0.026	90	817502	3750.0	6502.1	
67 Trichloroethene	95	8.017	8.013	0.004	96	1982624	300.0	303.0	
68 Ethyl acrylate	55	8.148	8.148	0.000	99	2502750	300.1	300.1	
69 Methylcyclohexane	83	8.322	8.322	0.000	89	3779913	300.0	315.4	
70 1,2-Dichloropropane	63	8.357	8.361	-0.004	90	1744177	300.0	287.0	
71 2-ethoxy-2-methyl butane	87	8.367	8.361	0.006	93	2741358	300.0	348.9	
72 Methyl methacrylate	69	8.451	8.447	0.004	89	1530370	300.0	308.9	
74 Dibromomethane	93	8.467	8.463	0.004	90	1174746	300.0	292.3	
73 1,4-Dioxane	88	8.460	8.470	-0.010	30	301197	3750.0	4010.2	M
76 Dichlorobromomethane	83	8.708	8.705	0.003	100	2428556	300.0	319.8	
77 2-Nitropropane	41	8.997	8.994	0.003	98	2997717	1500.0	1631.1	
78 2-Chloroethyl vinyl ether	63	9.081	9.078	0.003	91	1261052	300.0	366.3	
79 cis-1,3-Dichloropropene	75	9.264	9.261	0.003	96	3078415	300.0	367.0	
80 4-Methyl-2-pentanone (MIBK)	43	9.454	9.454	0.000	95	5168079	600.0	667.0	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	1156901	50.0	46.5	
83 Toluene	92	9.656	9.653	0.003	99	4698355	300.0	274.9	
95 trans-1,3-Dichloropropene	75	9.926	9.923	0.003	92	2693118	300.0	351.9	
96 Ethyl methacrylate	69	9.991	9.991	0.000	88	2678386	300.0	335.4	
S 116 1,3-Dichloropropene, Total	100				0			718.9	
118 1,1,2-Trichloroethane	97	10.132	10.132	0.000	91	1686955	300.0	282.5	
119 Tetrachloroethene	166	10.209	10.206	0.003	98	2344225	300.0	283.8	
120 1,3-Dichloropropane	76	10.296	10.293	0.003	91	2730865	300.0	296.4	
122 2-Hexanone	43	10.354	10.354	0.000	96	3018818	600.0	635.7	
124 Chlorodibromomethane	129	10.508	10.508	0.000	91	2077098	300.0	323.6	
125 Ethylene Dibromide	107	10.618	10.615	0.003	99	1712647	300.0	303.7	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	83	937866	50.0	50.0	
127 1-Chlorohexane	91	11.065	11.065	0.000	95	2377281	300.0	279.8	
128 Chlorobenzene	112	11.081	11.078	0.003	96	5142901	300.0	271.5	
132 1,1,1,2-Tetrachloroethane	131	11.164	11.161	0.003	97	1960463	300.0	276.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
133 Ethylbenzene	91	11.168	11.164	0.004	97	8463391	300.0	259.4	
S 134 Xylenes, Total	106				0			773.5	
135 m-Xylene & p-Xylene	106	11.283	11.280	0.003	98	6723335	600.0	515.0	
136 n-Butyl acrylate	55	11.569	11.569	0.000	97	3455970	300.0	329.6	
137 o-Xylene	106	11.611	11.611	0.000	96	3552008	300.0	258.6	
138 Styrene	104	11.631	11.627	0.004	94	5361383	300.0	268.3	
139 Bromoform	173	11.785	11.782	0.003	99	1517347	300.0	321.8	
140 Isopropylbenzene	105	11.913	11.914	-0.001	95	9393176	300.0	268.7	
142 Cyclohexanone	55	11.994	11.994	0.000	92	1056635	3750.1	3562.8	
$ 143 4-Bromofluorobenzene (Surr)	95	12.058	12.055	0.003	95	410906	50.0	46.2	
146 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	96	2614074	300.0	286.3	
147 Bromobenzene	156	12.171	12.171	0.000	95	2419710	300.0	314.6	
148 trans-1,4-Dichloro-2-butene	53	12.190	12.190	0.000	88	1502032	750.0	702.3	
149 1,2,3-Trichloropropane	110	12.209	12.209	0.000	86	837364	300.0	284.7	
150 N-Propylbenzene	91	12.245	12.241	0.004	97	9965567	300.0	286.8	
151 2-Chlorotoluene	126	12.319	12.315	0.004	98	2344936	300.0	306.9	
152 1,3,5-Trimethylbenzene	105	12.380	12.380	0.000	95	8086018	300.0	314.1	
153 4-Chlorotoluene	126	12.412	12.409	0.003	96	2183150	300.0	302.5	
155 tert-Butylbenzene	134	12.621	12.621	0.000	92	1968478	300.0	342.5	
157 1,2,4-Trimethylbenzene	105	12.663	12.663	0.000	97	8113436	300.0	302.6	
158 sec-Butylbenzene	105	12.785	12.785	0.000	94	10062530	300.0	307.1	
159 1,3-Dichlorobenzene	146	12.881	12.881	0.000	99	4281683	300.0	273.4	
160 4-Isopropyltoluene	119	12.894	12.891	0.003	96	8622885	300.0	294.7	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	91	508005	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.955	12.955	0.000	96	4235709	300.0	268.4	
163 1,2,3-Trimethylbenzene	105	12.968	12.965	0.003	98	8056221	300.0	287.8	
165 Benzyl chloride	91	13.032	13.032	0.000	98	5233636	300.0	299.4	
166 1,3-Diethylbenzene	119	13.093	13.094	-0.001	94	5184281	300.0	307.3	
167 p-Diethylbenzene	119	13.164	13.161	0.003	94	5440455	300.0	291.9	
168 n-Butylbenzene	92	13.184	13.184	0.000	97	4094063	300.0	281.0	
169 1,2-Dichlorobenzene	146	13.216	13.212	0.004	99	4587734	300.0	275.9	
170 o-diethylbenzene	119	13.238	13.235	0.003	94	4469978	300.0	309.9	
172 1,2-Dibromo-3-Chloropropane	75	13.756	13.756	0.000	92	727029	300.0	323.0	
173 1,3,5-Trichlorobenzene	180	13.878	13.878	0.000	98	4278751	300.0	289.8	
174 1,2,4-Trichlorobenzene	180	14.302	14.302	0.000	94	4223904	300.0	291.7	
175 2-Ethylhexyl acrylate	55	14.367	14.367	0.000	81	3257832	300.1	298.0	
176 Hexachlorobutadiene	225	14.383	14.383	0.000	94	2031038	300.0	319.8	
177 Naphthalene	128	14.483	14.483	-0.001	97	11308793	300.0	271.3	
178 1,2,3-Trichlorobenzene	180	14.624	14.624	0.000	97	4015349	300.0	278.4	
179 2-Methylnaphthalene	142	15.235	15.235	0.000	93	6970829	300.0	296.0	
S 211 Total Diethylbenzene	1				0			909.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00257	Amount Added:	15.00	Units: uL	
MSV_CCV_CYC_00012	Amount Added:	30.00	Units: uL	
MSV_CCV_VOC#3_00259	Amount Added:	12.00	Units: uL	
MSV_CCV_2CEVE_00250	Amount Added:	15.00	Units: uL	
MSV_CCV_GASES_01144	Amount Added:	7.50	Units: uL	
MSV_CCV_OH_Sp_00027	Amount Added:	15.00	Units: uL	
MSV_CCV_EE_00009	Amount Added:	15.00	Units: uL	
MSV_HP23_ISSS_00017	Amount Added:	1.00	Units: uL	Run Reagent

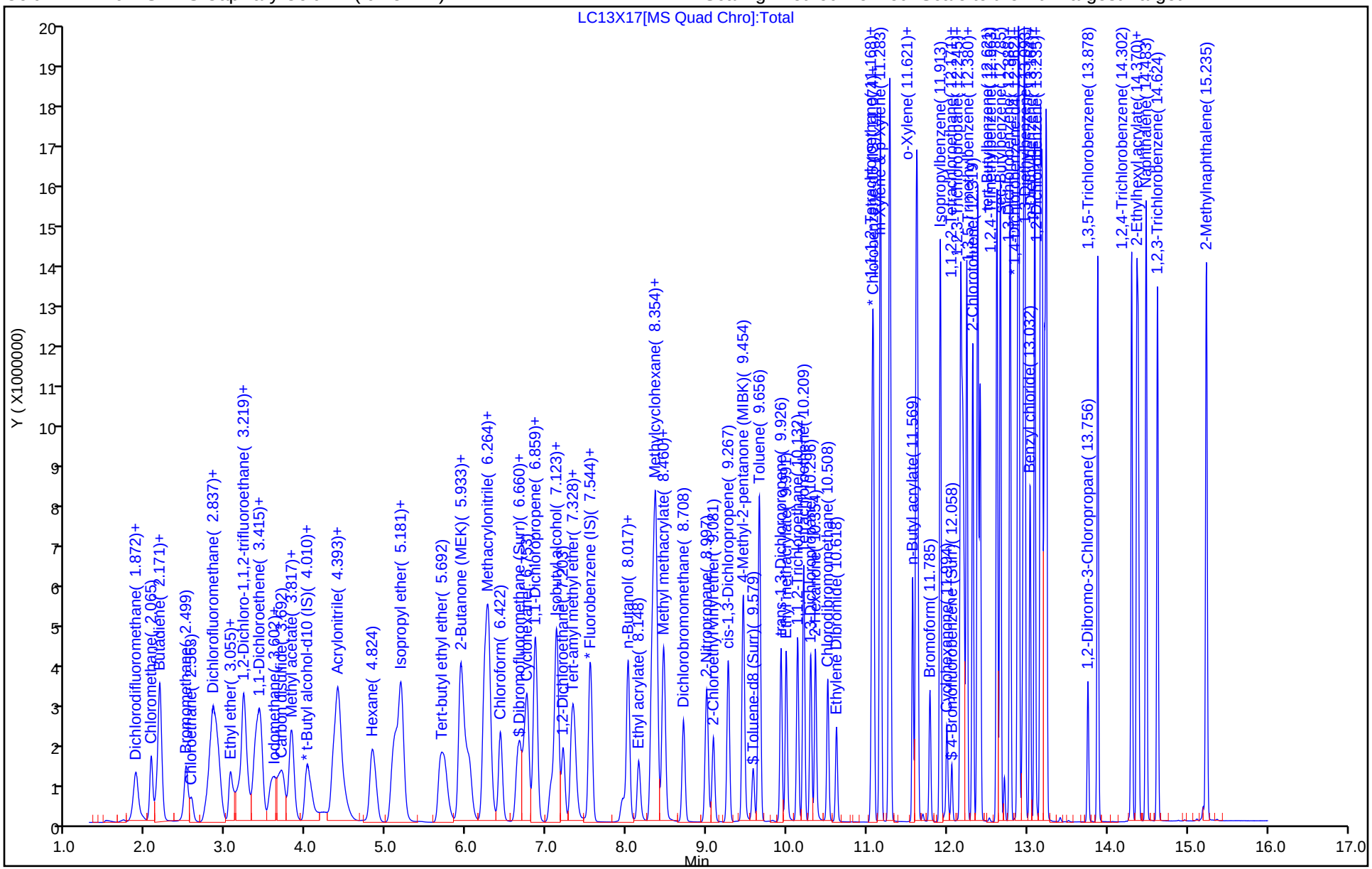
Report Date: 14-Oct-2025 11:07:15 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Injection Date:	13-Oct-2025 19:59:39	Instrument ID:	9915	Operator ID:	jml01693
Lims ID:	IC v300			Worklist Smp#:	18
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

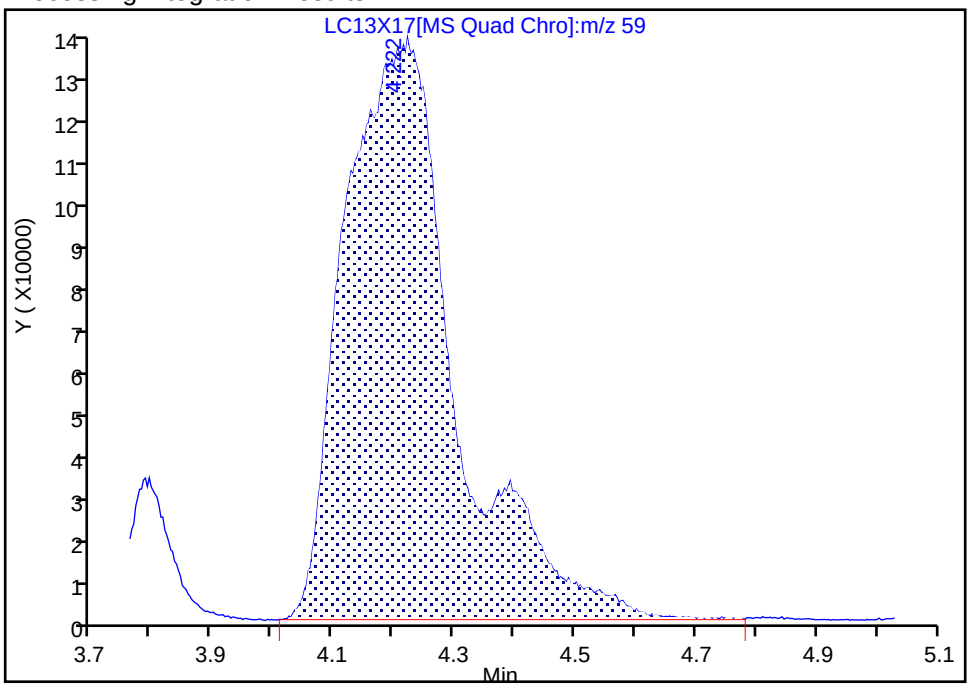
Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D
Injection Date: 13-Oct-2025 19:59:39 Instrument ID: 9915
Lims ID: IC v300
Client ID:
Operator ID: jml01693 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

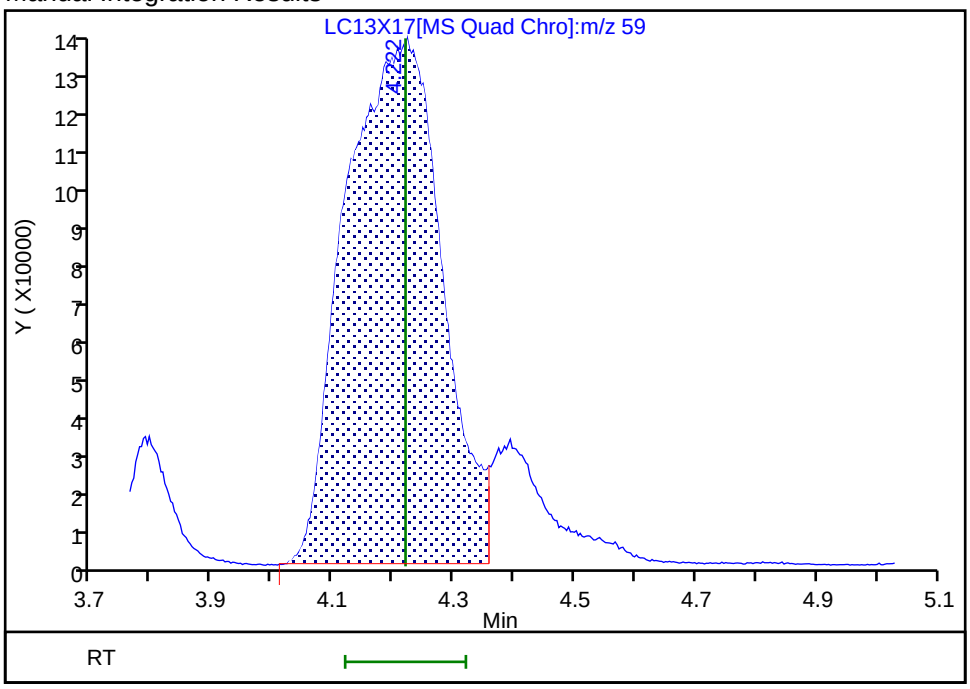
Processing Integration Results

RT: 4.22
Area: 1673486
Amount: 1663.1861
Amount Units: ug/l



Manual Integration Results

RT: 4.22
Area: 1464458
Amount: 1397.1285
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 20:54:56 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

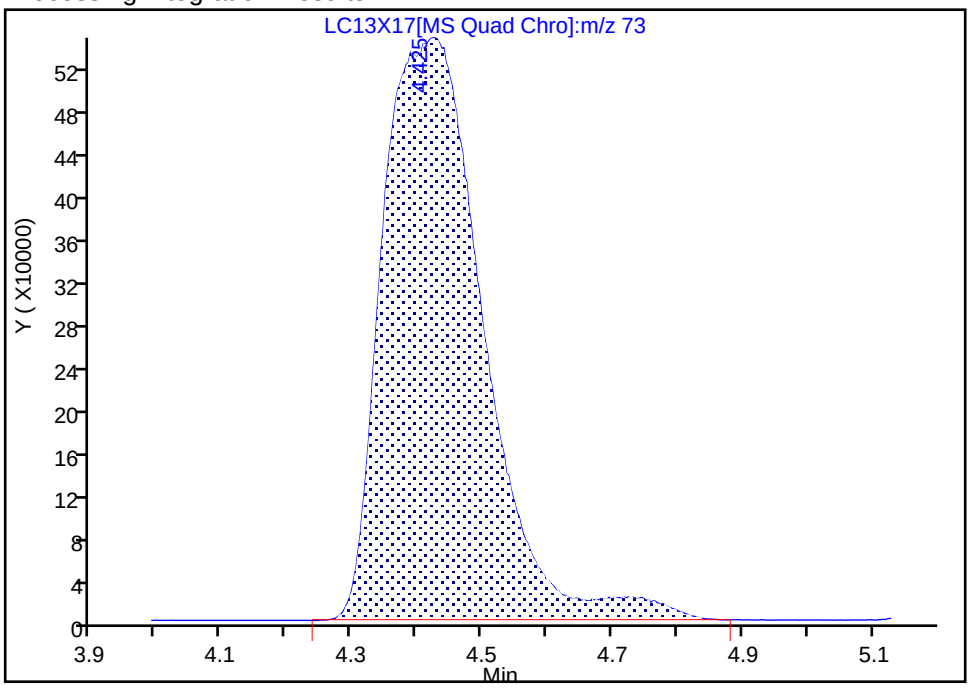
Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D
Injection Date: 13-Oct-2025 19:59:39 Instrument ID: 9915
Lims ID: IC v300
Client ID:
Operator ID: jml01693 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

31 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

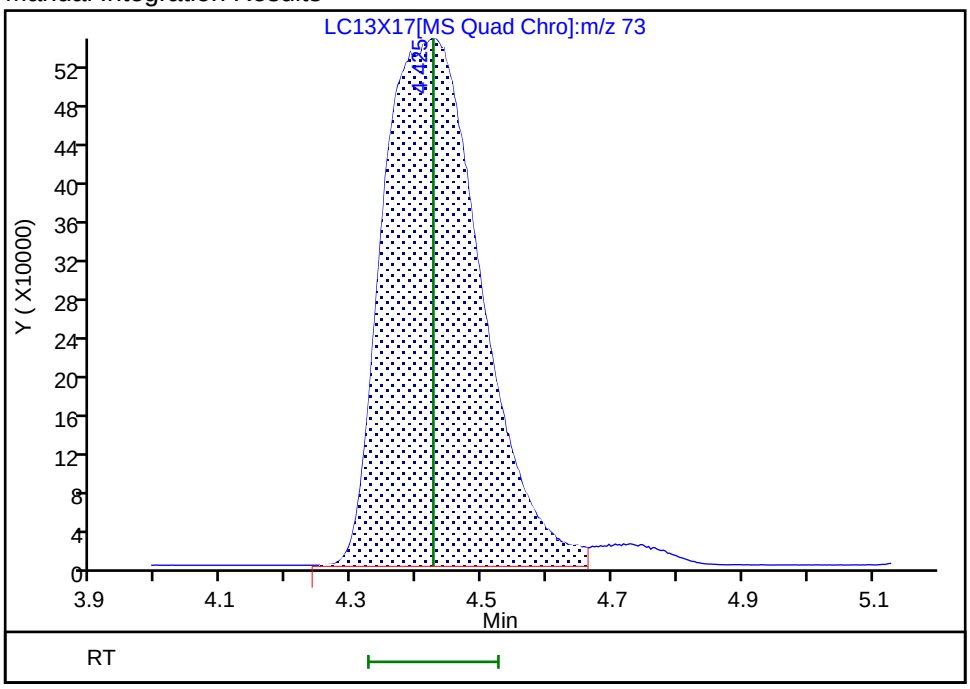
Processing Integration Results

RT: 4.43
Area: 5859966
Amount: 303.6553
Amount Units: ug/l



Manual Integration Results

RT: 4.43
Area: 5695462
Amount: 296.3338
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 20:55:06 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

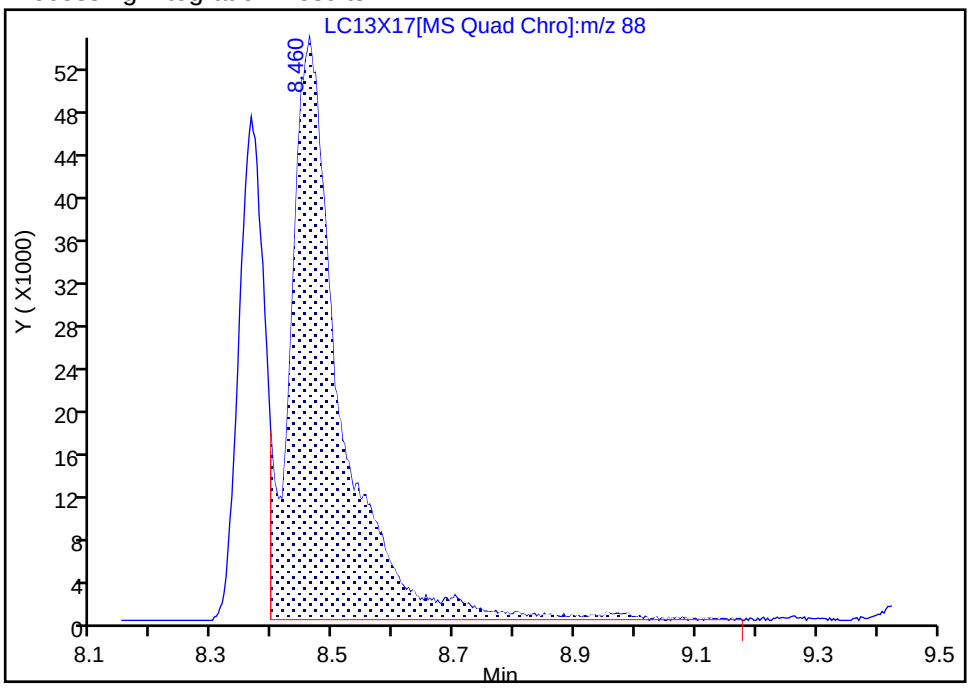
Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D
Injection Date: 13-Oct-2025 19:59:39 Instrument ID: 9915
Lims ID: IC v300
Client ID:
Operator ID: jml01693 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

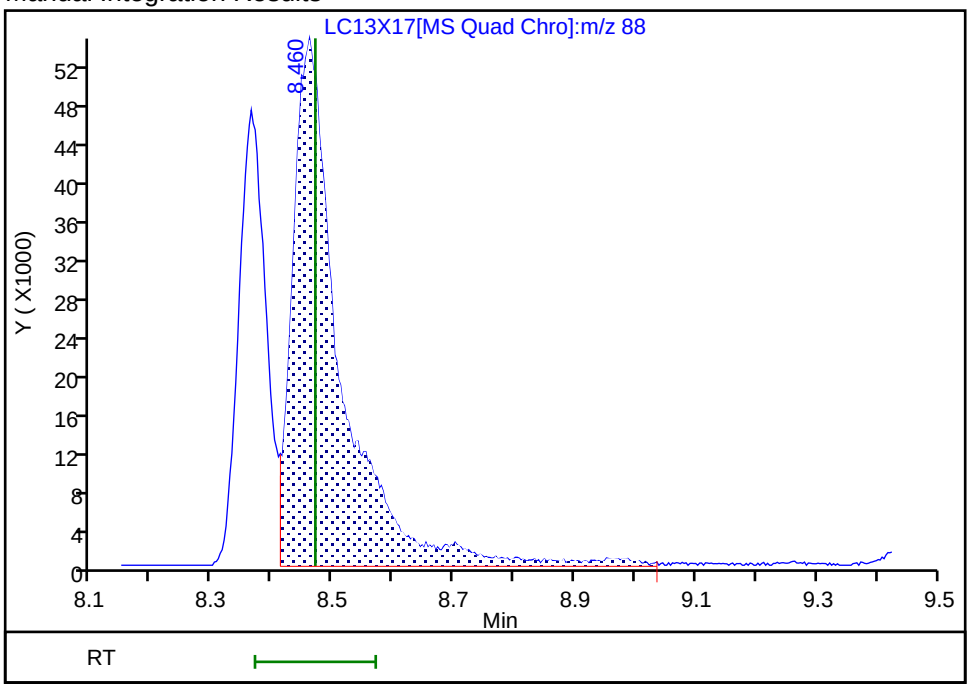
Processing Integration Results

RT: 8.46
Area: 315905
Amount: 4169.6969
Amount Units: ug/l



Manual Integration Results

RT: 8.46
Area: 301197
Amount: 4010.1633
Amount Units: ug/l



Reviewer: UKAD, 13-Oct-2025 20:55:38 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

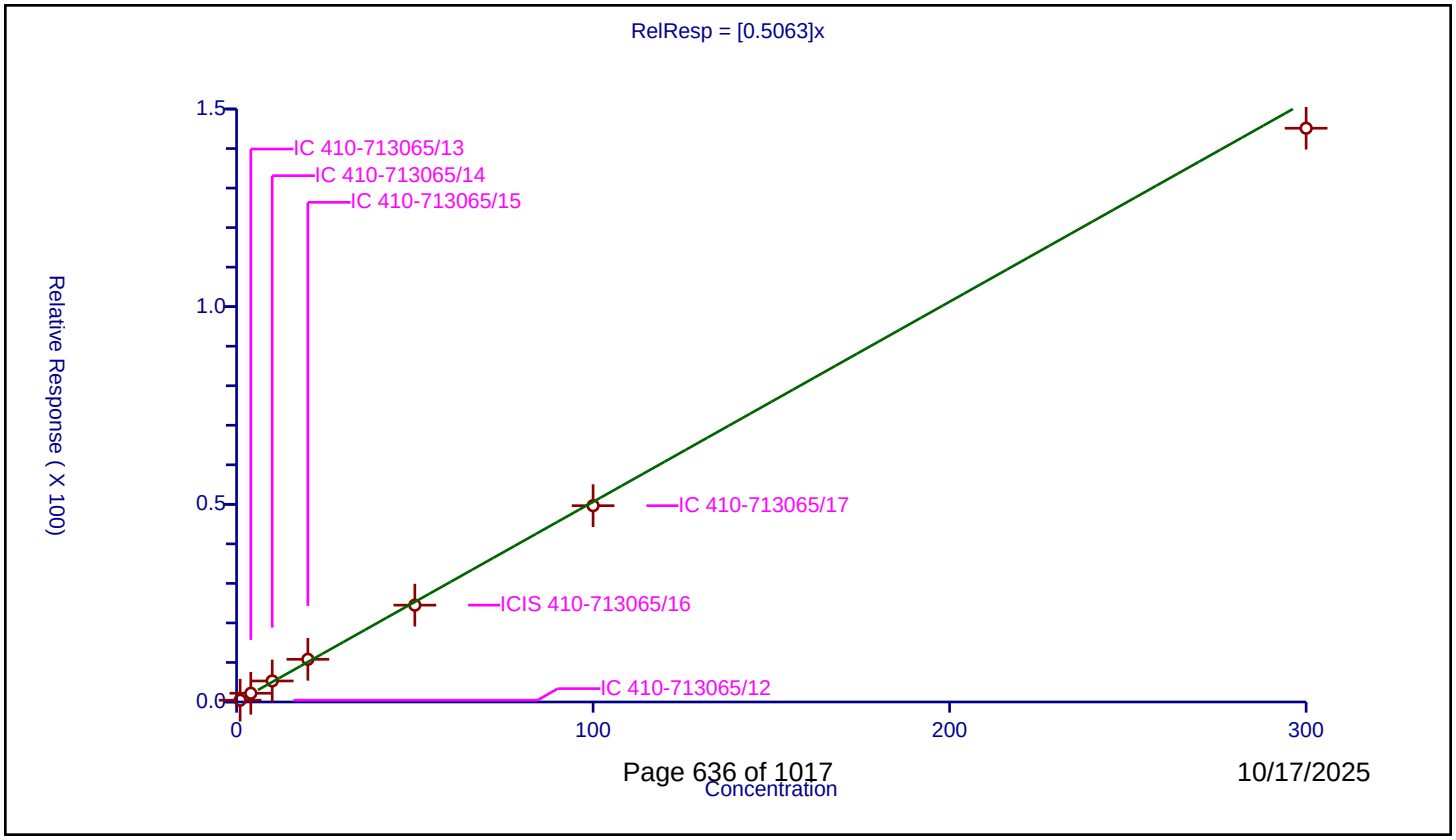
Curve Coefficients

Intercept:	0
Slope:	0.5063

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.449642	50.0	995904.0	0.449642	Y
2	IC 410-713065/13	4.0	2.209055	50.0	978586.0	0.552264	Y
3	IC 410-713065/14	10.0	5.319176	50.0	1037501.0	0.531918	Y
4	IC 410-713065/15	20.0	10.793192	50.0	1043014.0	0.53966	Y
5	ICIS 410-713065/16	50.0	24.495939	50.0	1057163.0	0.489919	Y
6	IC 410-713065/17	100.0	49.657574	50.0	1128712.0	0.496576	Y
7	IC 410-713065/18	300.0	145.136867	50.0	1178551.0	0.48379	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

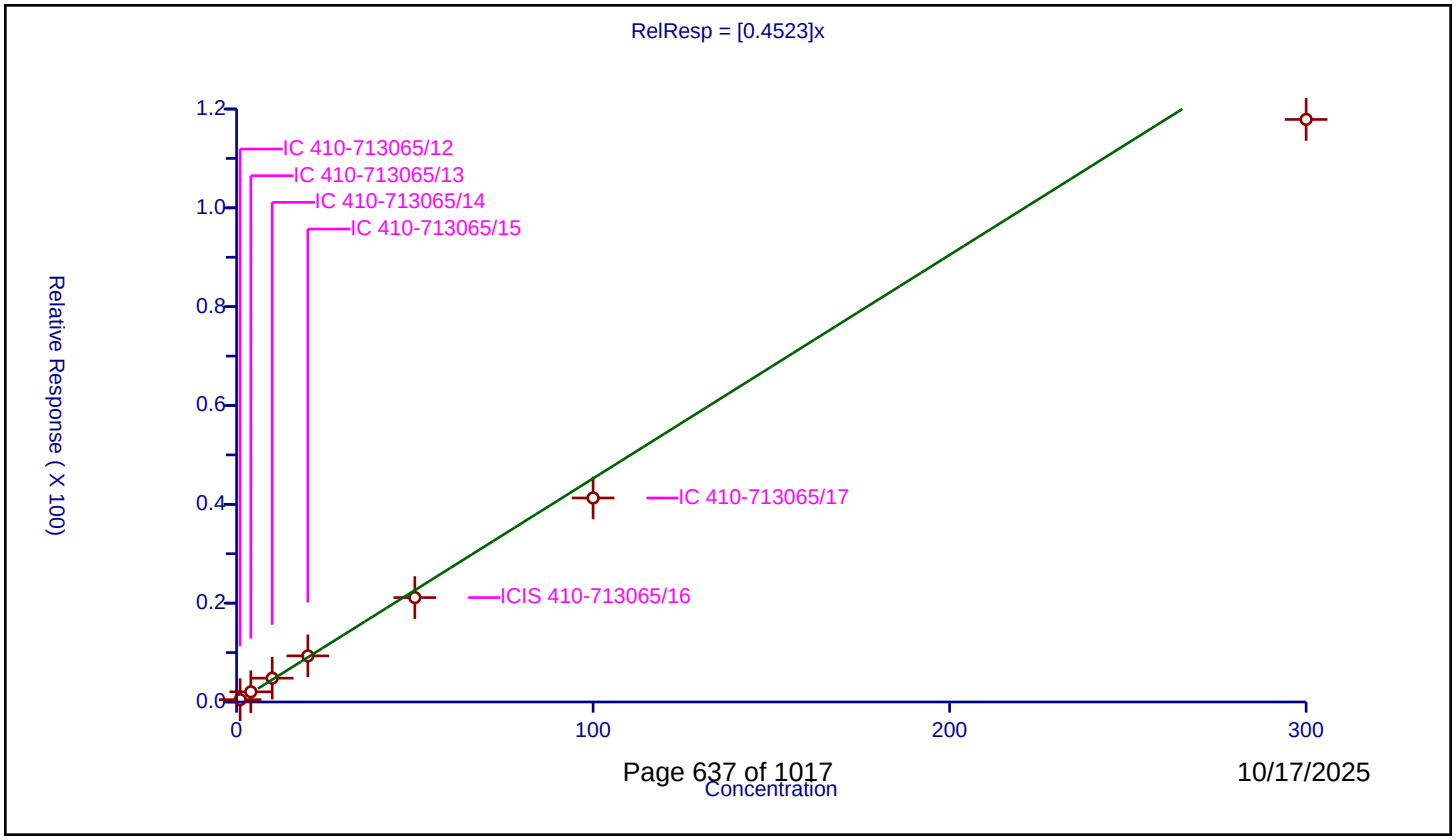
Curve Coefficients

Intercept:	0
Slope:	0.4523

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.474745	50.0	995904.0	0.474745	Y
2	IC 410-713065/13	4.0	2.059196	50.0	978586.0	0.514799	Y
3	IC 410-713065/14	10.0	4.81908	50.0	1037501.0	0.481908	Y
4	IC 410-713065/15	20.0	9.331083	50.0	1043014.0	0.466554	Y
5	ICIS 410-713065/16	50.0	21.130611	50.0	1057163.0	0.422612	Y
6	IC 410-713065/17	100.0	41.285022	50.0	1128712.0	0.41285	Y
7	IC 410-713065/18	300.0	117.892013	50.0	1178551.0	0.392973	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

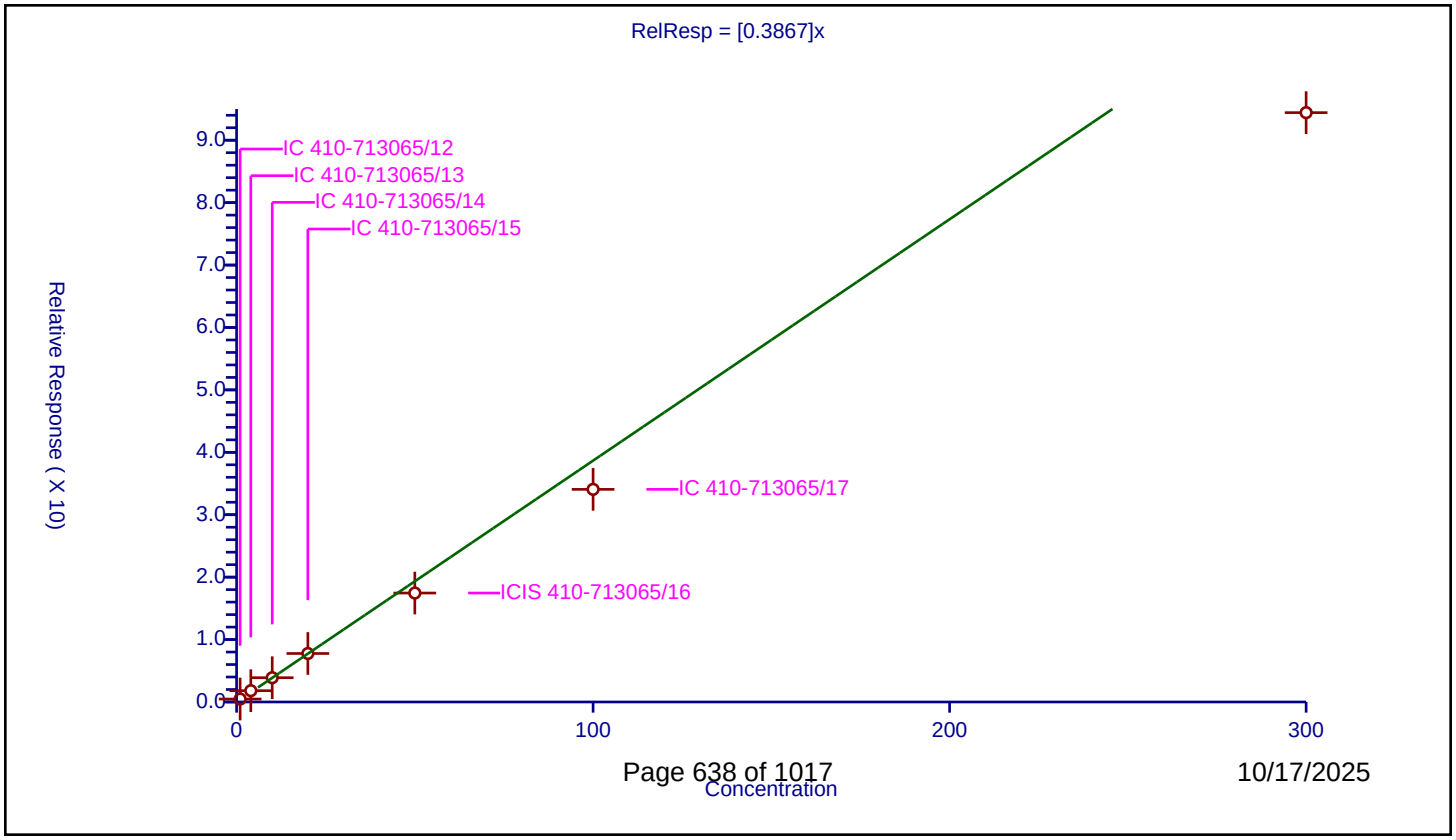
Curve Coefficients

Intercept:	0
Slope:	0.3867

Error Coefficients

Relative Standard Deviation:	15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.472485	50.0	995904.0	0.472485	Y
2	IC 410-713065/13	4.0	1.810061	50.0	978586.0	0.452515	Y
3	IC 410-713065/14	10.0	3.889779	50.0	1037501.0	0.388978	Y
4	IC 410-713065/15	20.0	7.76701	50.0	1043014.0	0.38835	Y
5	ICIS 410-713065/16	50.0	17.452276	50.0	1057163.0	0.349046	Y
6	IC 410-713065/17	100.0	34.063605	50.0	1128712.0	0.340636	Y
7	IC 410-713065/18	300.0	94.417806	50.0	1178551.0	0.314726	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

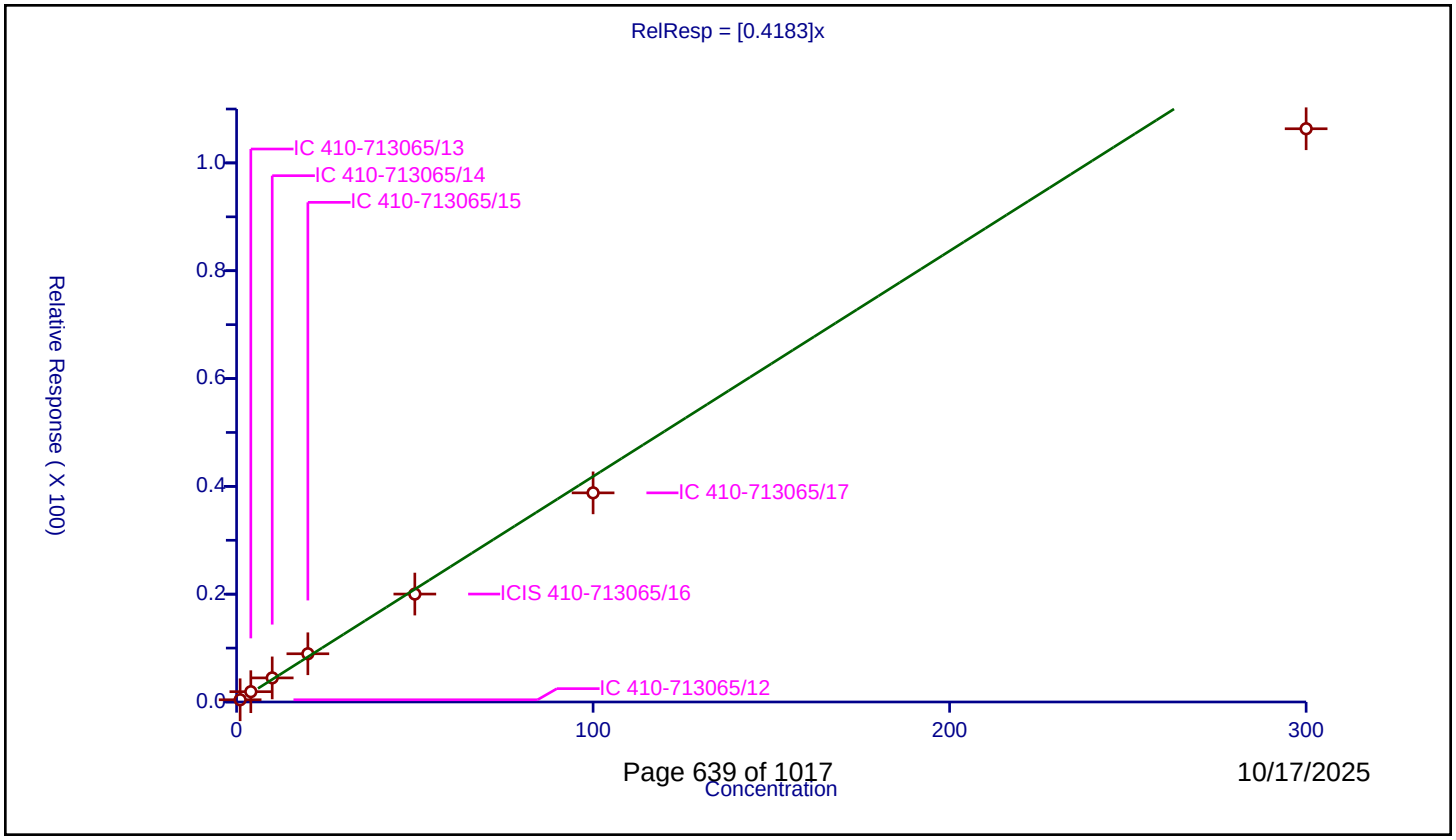
Curve Coefficients

Intercept:	0
Slope:	0.4183

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.413192	50.0	995904.0	0.413192	Y
2	IC 410-713065/13	4.0	1.911125	50.0	978586.0	0.477781	Y
3	IC 410-713065/14	10.0	4.471514	50.0	1037501.0	0.447151	Y
4	IC 410-713065/15	20.0	8.947195	50.0	1043014.0	0.44736	Y
5	ICIS 410-713065/16	50.0	20.021369	50.0	1057163.0	0.400427	Y
6	IC 410-713065/17	100.0	38.793687	50.0	1128712.0	0.387937	Y
7	IC 410-713065/18	300.0	106.340031	50.0	1178551.0	0.354467	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

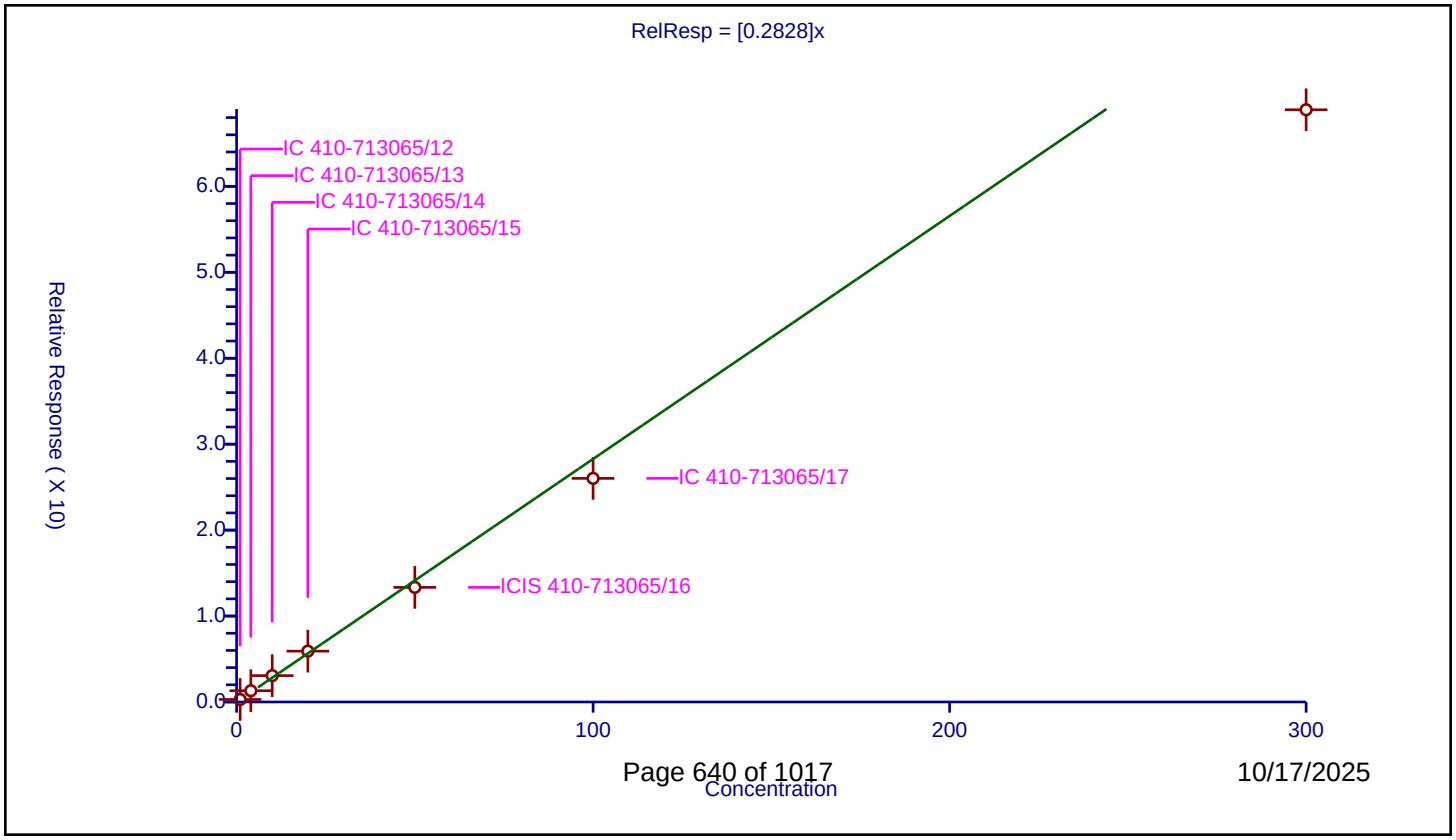
Curve Coefficients

Intercept:	0
Slope:	0.2828

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.292498	50.0	995904.0	0.292498	Y
2	IC 410-713065/13	4.0	1.311024	50.0	978586.0	0.327756	Y
3	IC 410-713065/14	10.0	3.066792	50.0	1037501.0	0.306679	Y
4	IC 410-713065/15	20.0	5.916028	50.0	1043014.0	0.295801	Y
5	ICIS 410-713065/16	50.0	13.336543	50.0	1057163.0	0.266731	Y
6	IC 410-713065/17	100.0	26.02143	50.0	1128712.0	0.260214	Y
7	IC 410-713065/18	300.0	68.913776	50.0	1178551.0	0.229713	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

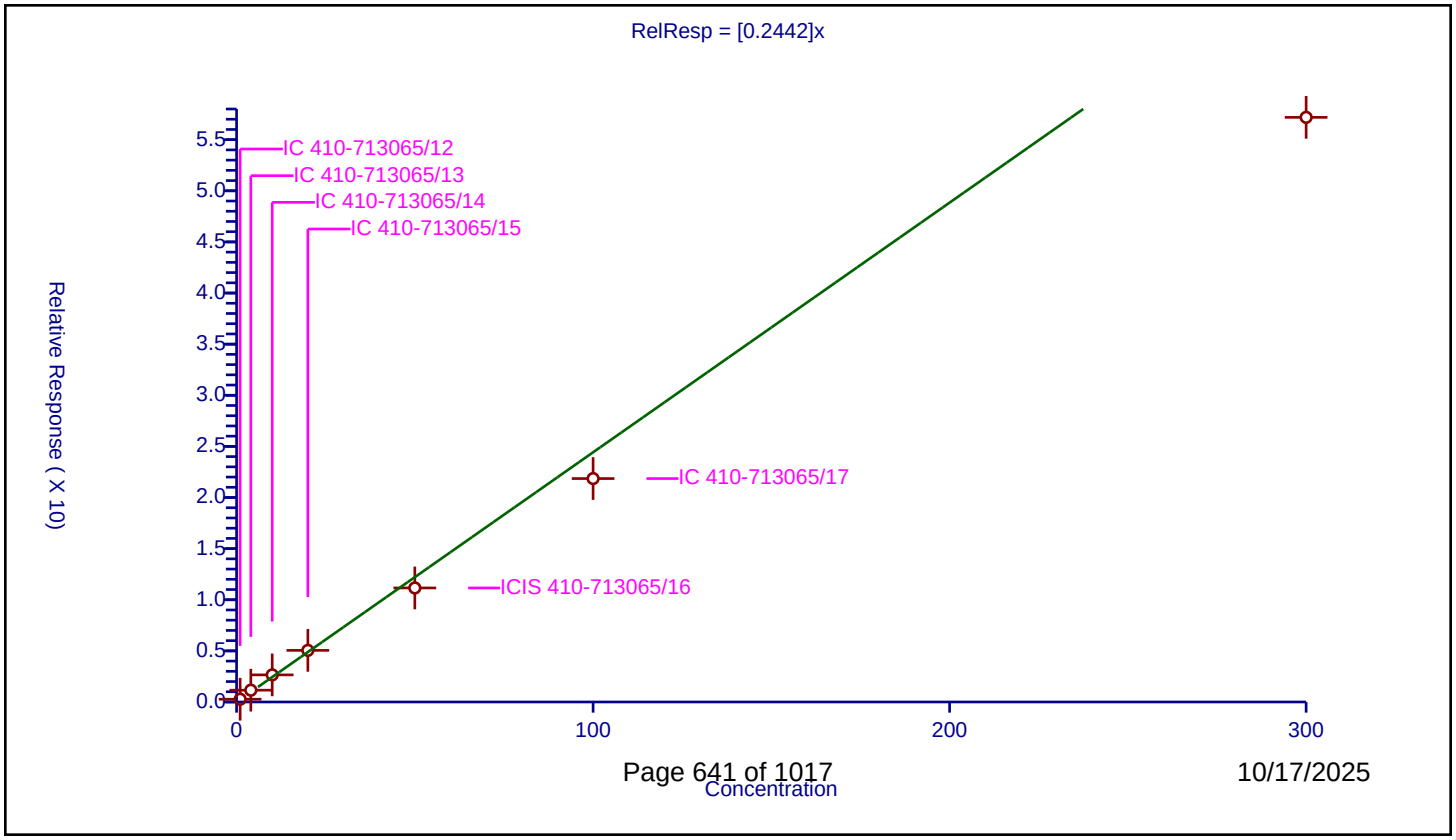
Curve Coefficients

Intercept:	0
Slope:	0.2442

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.271211	50.0	995904.0	0.271211	Y
2	IC 410-713065/13	4.0	1.15391	50.0	978586.0	0.288477	Y
3	IC 410-713065/14	10.0	2.651082	50.0	1037501.0	0.265108	Y
4	IC 410-713065/15	20.0	5.049453	50.0	1043014.0	0.252473	Y
5	ICIS 410-713065/16	50.0	11.153436	50.0	1057163.0	0.223069	Y
6	IC 410-713065/17	100.0	21.853848	50.0	1128712.0	0.218538	Y
7	IC 410-713065/18	300.0	57.184755	50.0	1178551.0	0.190616	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

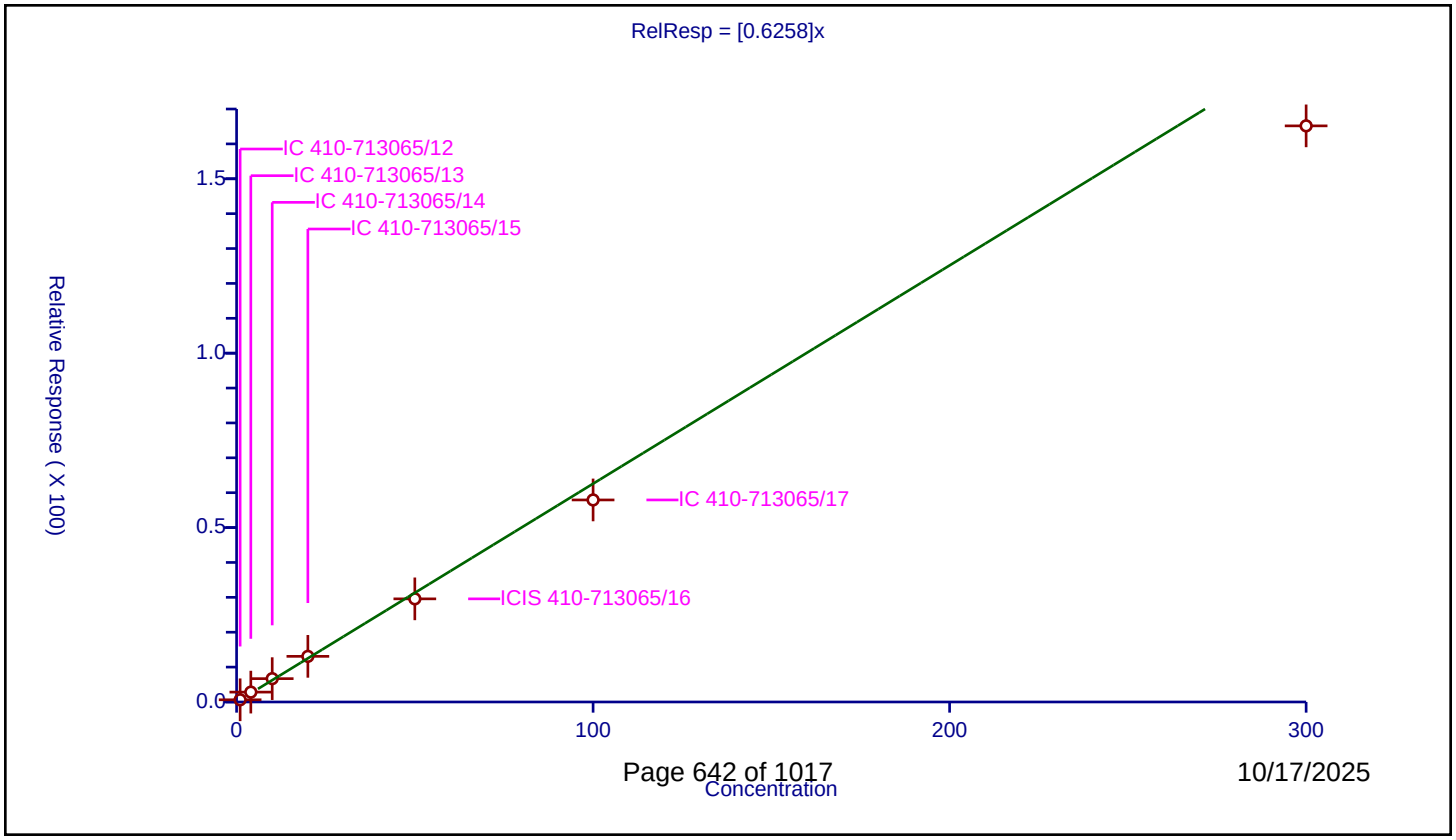
Curve Coefficients

Intercept:	0
Slope:	0.6258

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.628474	50.0	995904.0	0.628474	Y
2	IC 410-713065/13	4.0	2.830308	50.0	978586.0	0.707577	Y
3	IC 410-713065/14	10.0	6.690837	50.0	1037501.0	0.669084	Y
4	IC 410-713065/15	20.0	13.083909	50.0	1043014.0	0.654195	Y
5	ICIS 410-713065/16	50.0	29.569612	50.0	1057163.0	0.591392	Y
6	IC 410-713065/17	100.0	57.923146	50.0	1128712.0	0.579231	Y
7	IC 410-713065/18	300.0	165.169984	50.0	1178551.0	0.550567	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

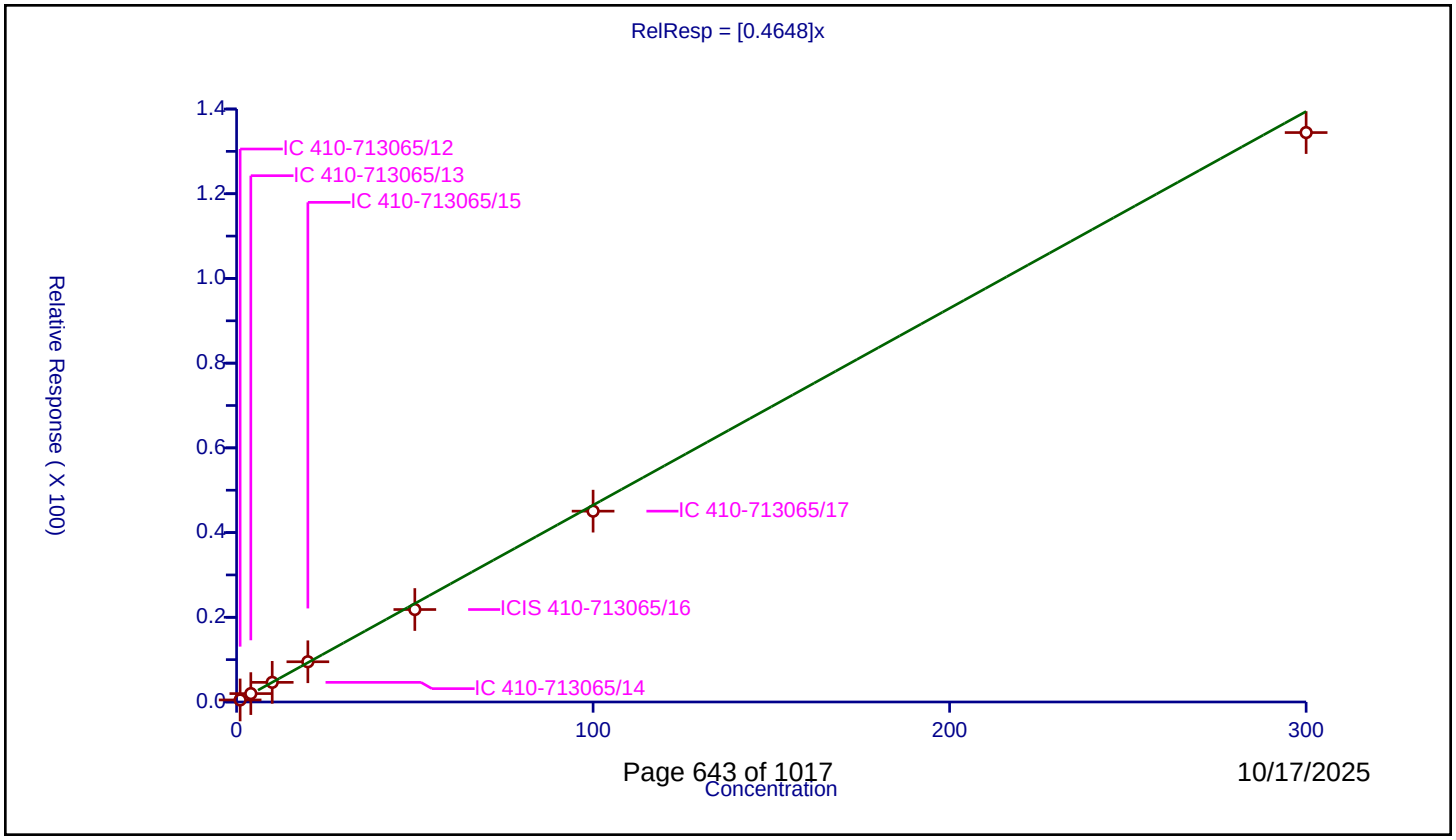
Curve Coefficients

Intercept:	0
Slope:	0.4648

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.483982	50.0	995904.0	0.483982	Y
2	IC 410-713065/13	4.0	1.980306	50.0	978586.0	0.495077	Y
3	IC 410-713065/14	10.0	4.639706	50.0	1037501.0	0.463971	Y
4	IC 410-713065/15	20.0	9.500208	50.0	1043014.0	0.47501	Y
5	ICIS 410-713065/16	50.0	21.832631	50.0	1057163.0	0.436653	Y
6	IC 410-713065/17	100.0	45.054451	50.0	1128712.0	0.450545	Y
7	IC 410-713065/18	300.0	134.439621	50.0	1178551.0	0.448132	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

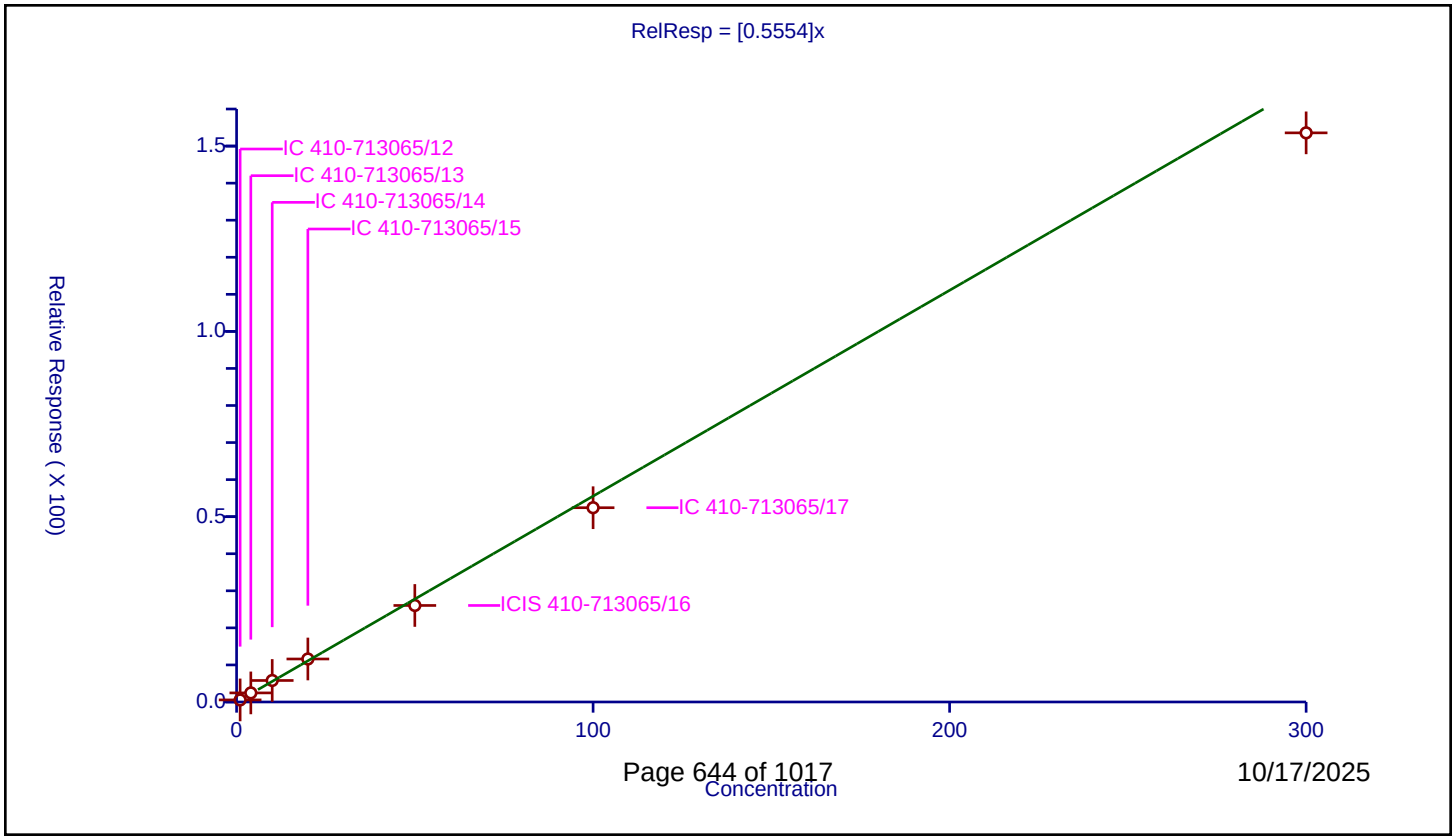
Curve Coefficients

Intercept:	0
Slope:	0.5554

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.556931	50.0	995904.0	0.556931	Y
2	IC 410-713065/13	4.0	2.452825	50.0	978586.0	0.613206	Y
3	IC 410-713065/14	10.0	5.804958	50.0	1037501.0	0.580496	Y
4	IC 410-713065/15	20.0	11.604255	50.0	1043014.0	0.580213	Y
5	ICIS 410-713065/16	50.0	26.042531	50.0	1057163.0	0.520851	Y
6	IC 410-713065/17	100.0	52.422983	50.0	1128712.0	0.52423	Y
7	IC 410-713065/18	300.0	153.567686	50.0	1178551.0	0.511892	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

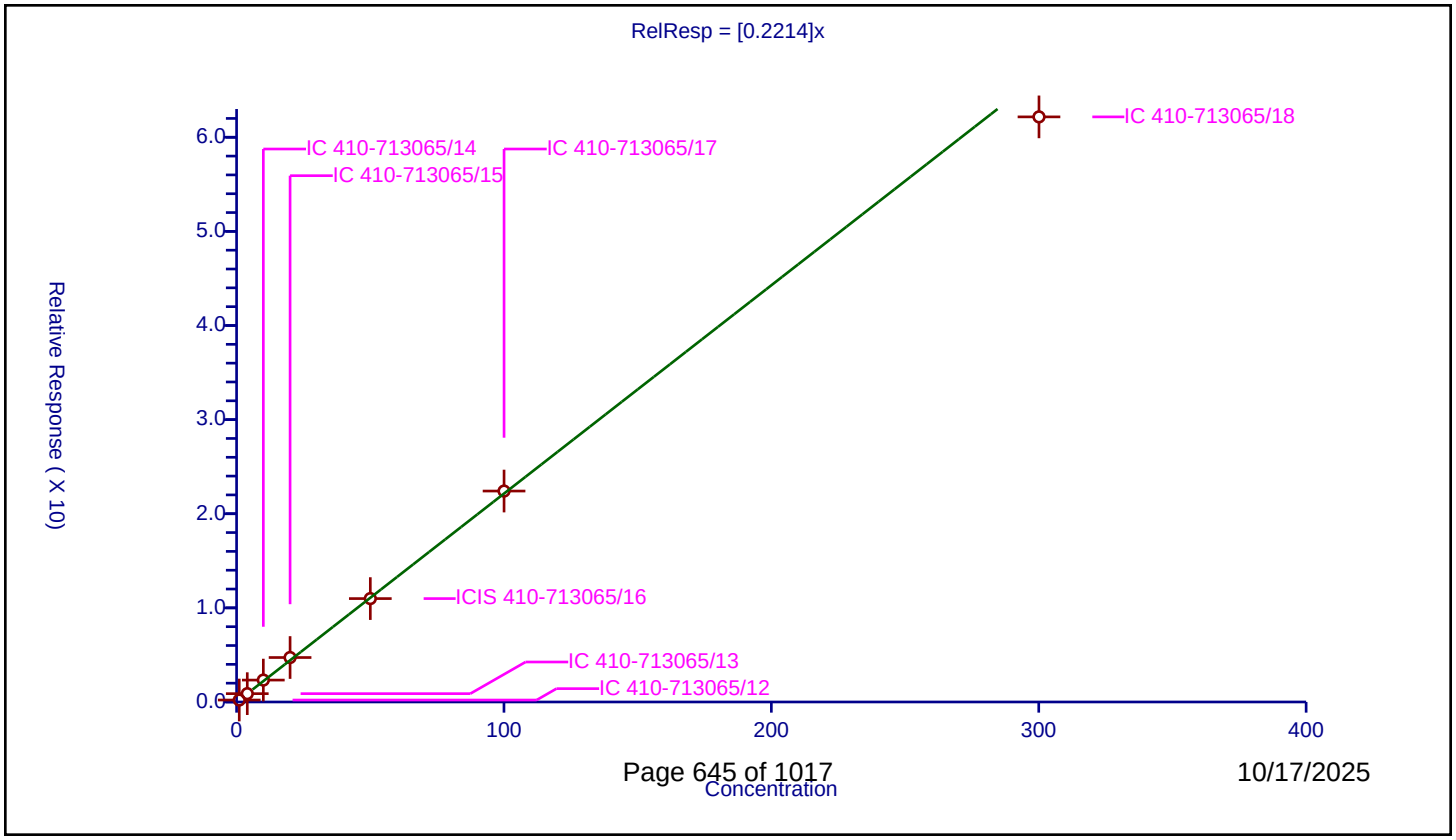
Curve Coefficients

Intercept:	0
Slope:	0.2214

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.000332	0.209056	50.0	995904.0	0.208987	Y
2	IC 410-713065/13	4.001328	0.884031	50.0	978586.0	0.220934	Y
3	IC 410-713065/14	10.00332	2.328239	50.0	1037501.0	0.232747	Y
4	IC 410-713065/15	20.00664	4.723522	50.0	1043014.0	0.236098	Y
5	ICIS 410-713065/16	50.0166	10.985297	50.0	1057163.0	0.219633	Y
6	IC 410-713065/17	100.0332	22.410544	50.0	1128712.0	0.224031	Y
7	IC 410-713065/18	300.0996	62.164853	50.0	1178551.0	0.207147	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

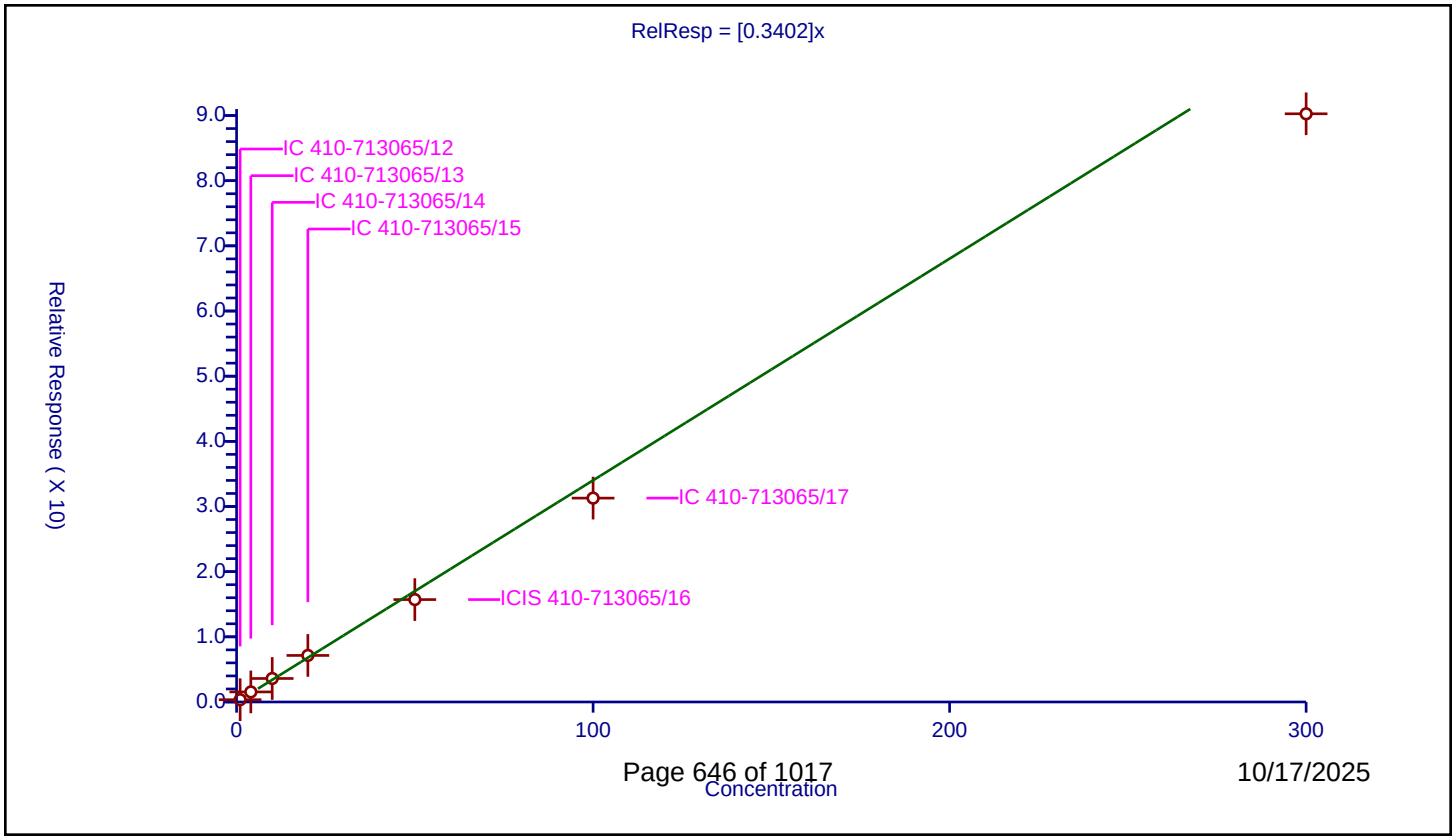
Curve Coefficients

Intercept:	0
Slope:	0.3402

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.349331	50.0	995904.0	0.349331	Y
2	IC 410-713065/13	4.0	1.542992	50.0	978586.0	0.385748	Y
3	IC 410-713065/14	10.0	3.608527	50.0	1037501.0	0.360853	Y
4	IC 410-713065/15	20.0	7.143241	50.0	1043014.0	0.357162	Y
5	ICIS 410-713065/16	50.0	15.715221	50.0	1057163.0	0.314304	Y
6	IC 410-713065/17	100.0	31.286768	50.0	1128712.0	0.312868	Y
7	IC 410-713065/18	300.0	90.268219	50.0	1178551.0	0.300894	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

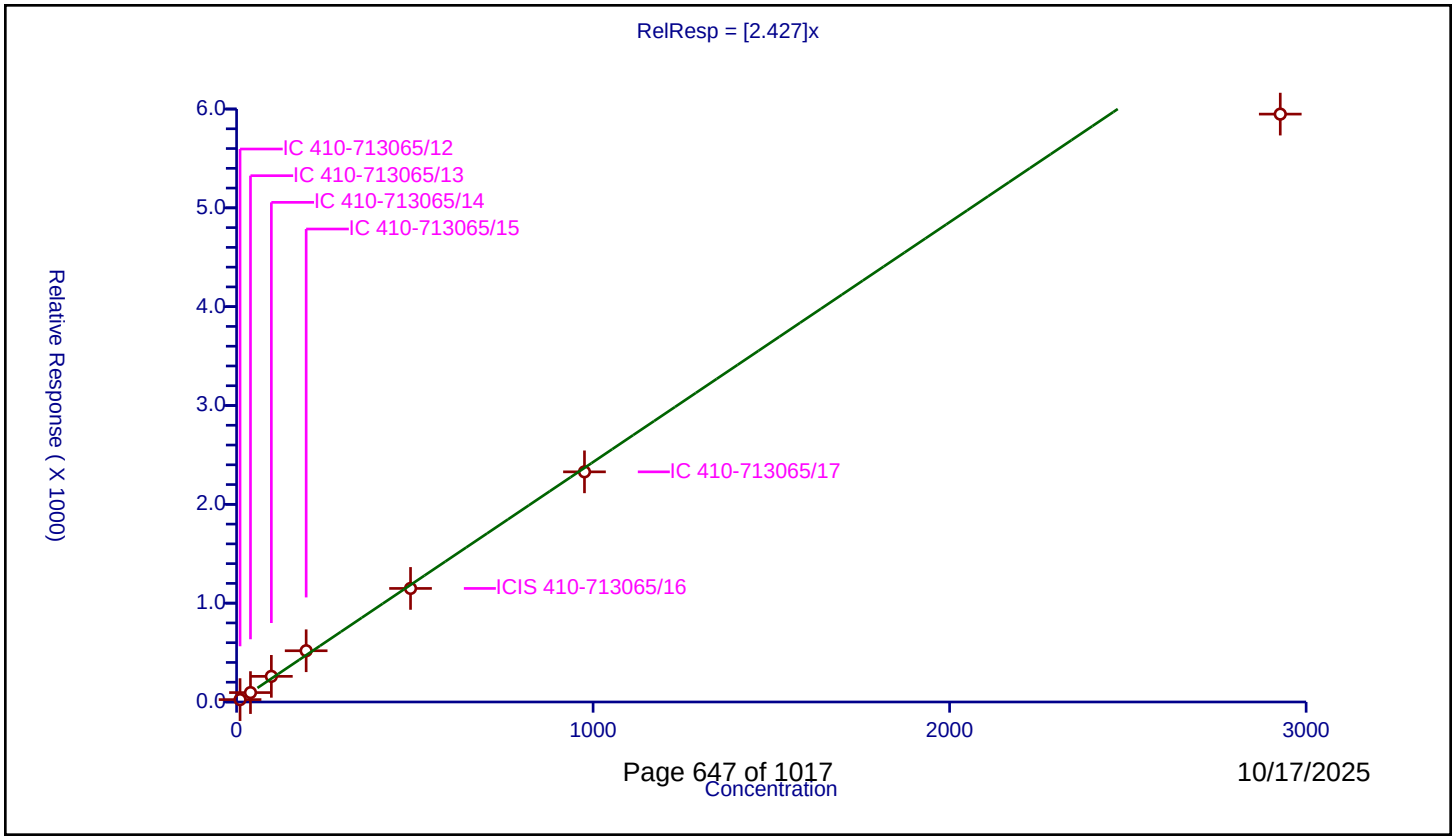
Curve Coefficients

Intercept:	0
Slope:	2.427

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	9.758304	24.093937	250.0	182079.0	2.46907	Y
2	IC 410-713065/13	39.033216	95.021574	250.0	191667.0	2.434377	Y
3	IC 410-713065/14	97.58304	259.481666	250.0	197961.0	2.659086	Y
4	IC 410-713065/15	195.16608	518.395262	250.0	200500.0	2.656175	Y
5	ICIS 410-713065/16	487.9152	1149.1742	250.0	211734.0	2.355274	Y
6	IC 410-713065/17	975.830399	2328.80065	250.0	222679.0	2.386481	Y
7	IC 410-713065/18	2927.491198	5948.403183	250.0	243954.0	2.031912	Y



10/17/2025

Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

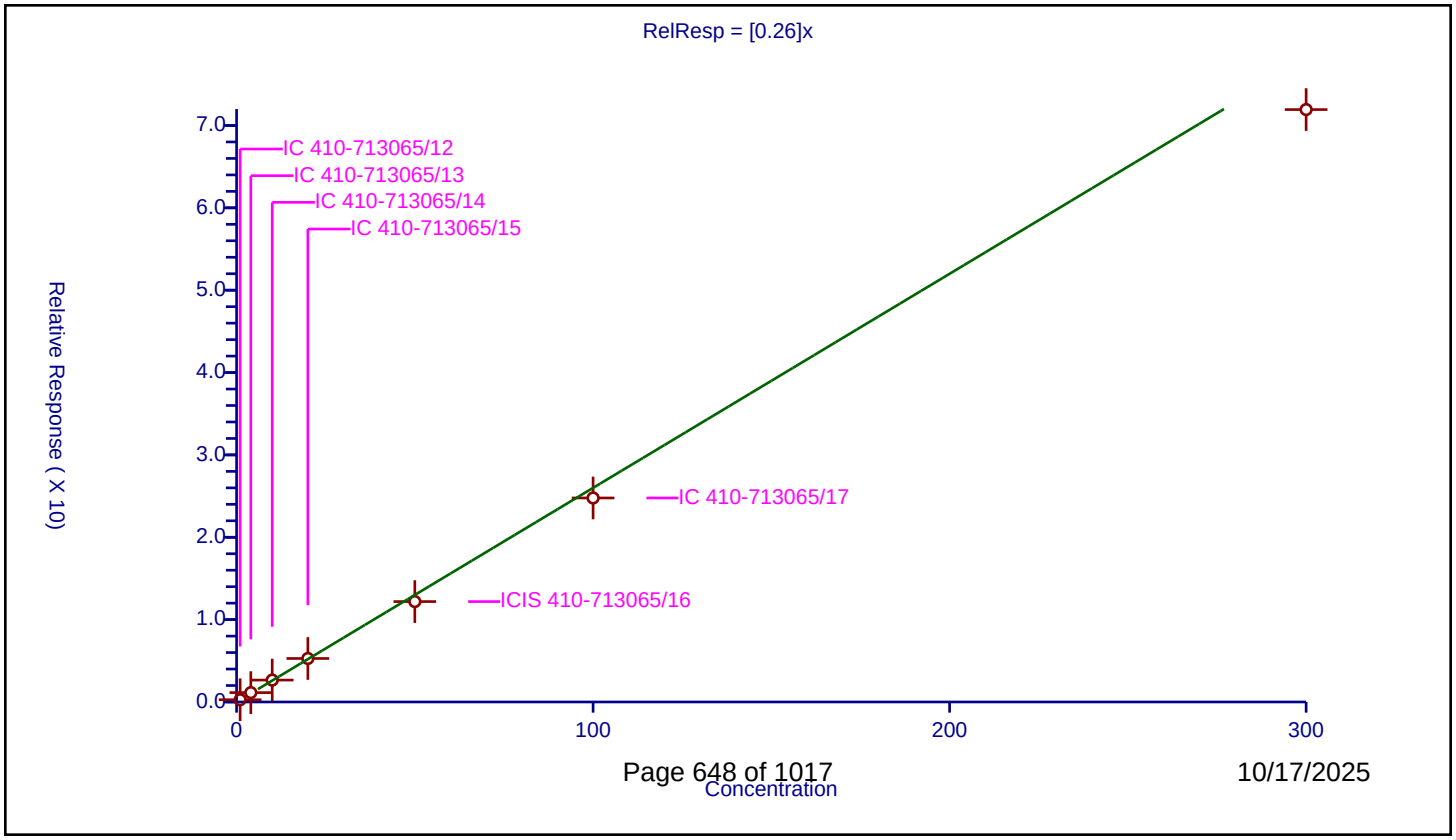
Curve Coefficients

Intercept:	0
Slope:	0.26

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.274173	50.0	995904.0	0.274173	Y
2	IC 410-713065/13	4.0	1.136538	50.0	978586.0	0.284134	Y
3	IC 410-713065/14	10.0	2.66019	50.0	1037501.0	0.266019	Y
4	IC 410-713065/15	20.0	5.282192	50.0	1043014.0	0.26411	Y
5	ICIS 410-713065/16	50.0	12.19197	50.0	1057163.0	0.243839	Y
6	IC 410-713065/17	100.0	24.770491	50.0	1128712.0	0.247705	Y
7	IC 410-713065/18	300.0	71.932907	50.0	1178551.0	0.239776	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

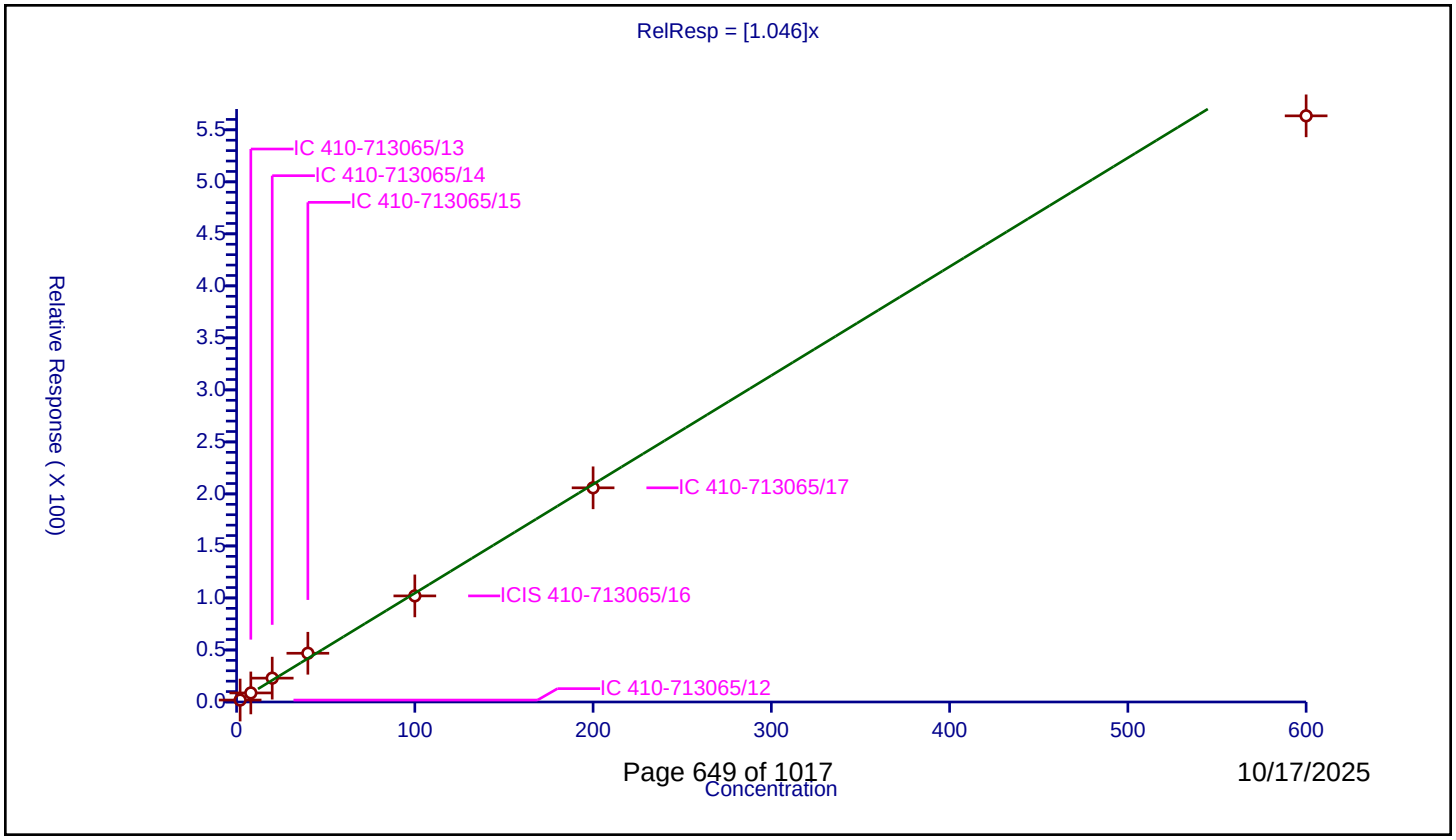
Curve Coefficients

Intercept:	0
Slope:	1.046

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	2.0	1.856337	250.0	182079.0	0.928169	Y
2	IC 410-713065/13	8.0	8.709115	250.0	191667.0	1.088639	Y
3	IC 410-713065/14	20.0	22.937599	250.0	197961.0	1.14688	Y
4	IC 410-713065/15	40.0	46.846633	250.0	200500.0	1.171166	Y
5	ICIS 410-713065/16	100.0	101.974647	250.0	211734.0	1.019746	Y
6	IC 410-713065/17	200.0	205.88156	250.0	222679.0	1.029408	Y
7	IC 410-713065/18	600.0	563.444338	250.0	243954.0	0.939074	Y



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

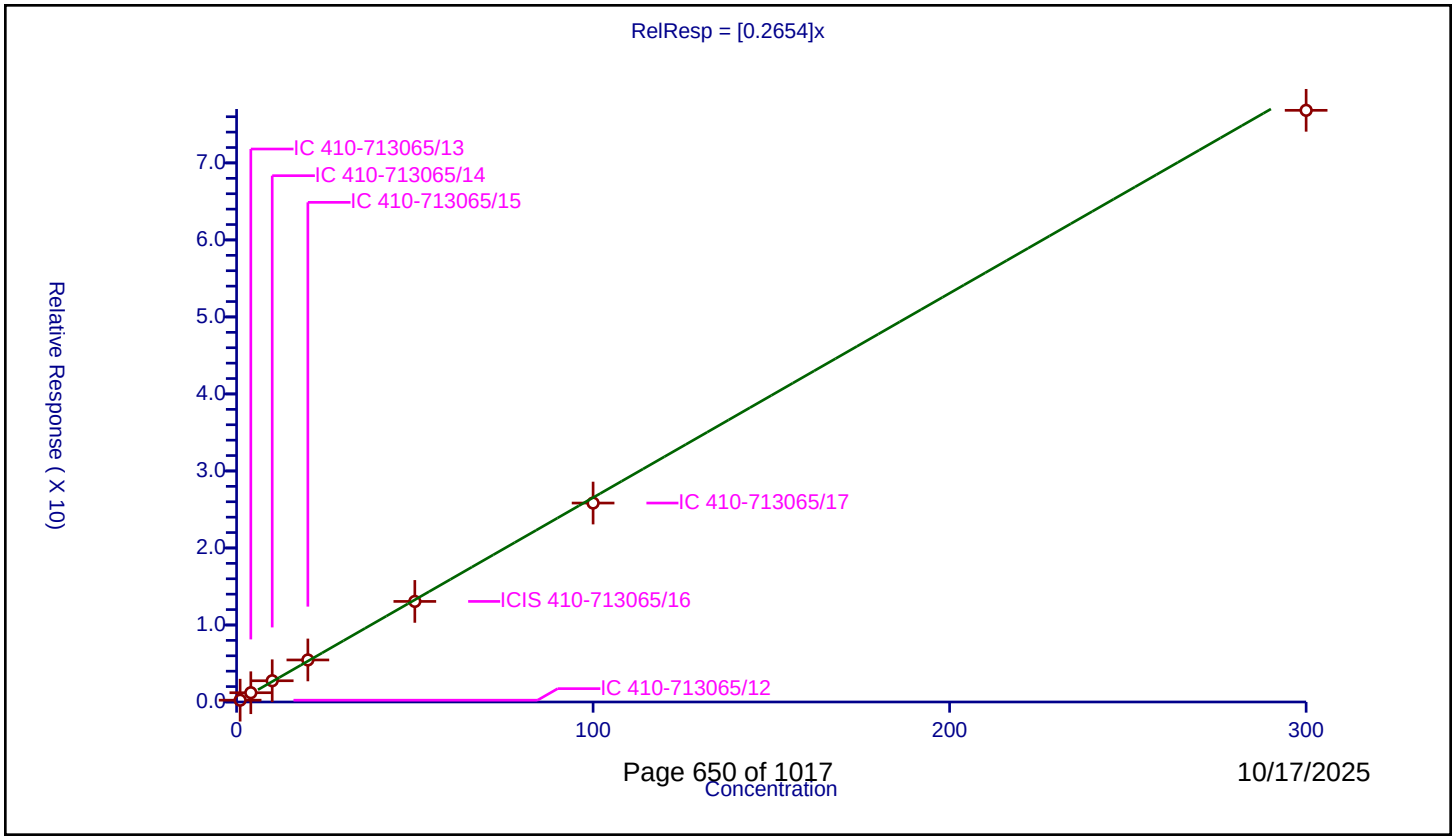
Curve Coefficients

Intercept:	0
Slope:	0.2654

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.232653	50.0	995904.0	0.232653	Y
2	IC 410-713065/13	4.0	1.202756	50.0	978586.0	0.300689	Y
3	IC 410-713065/14	10.0	2.757588	50.0	1037501.0	0.275759	Y
4	IC 410-713065/15	20.0	5.460713	50.0	1043014.0	0.273036	Y
5	ICIS 410-713065/16	50.0	13.060001	50.0	1057163.0	0.2612	Y
6	IC 410-713065/17	100.0	25.834048	50.0	1128712.0	0.25834	Y
7	IC 410-713065/18	300.0	76.829471	50.0	1178551.0	0.256098	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

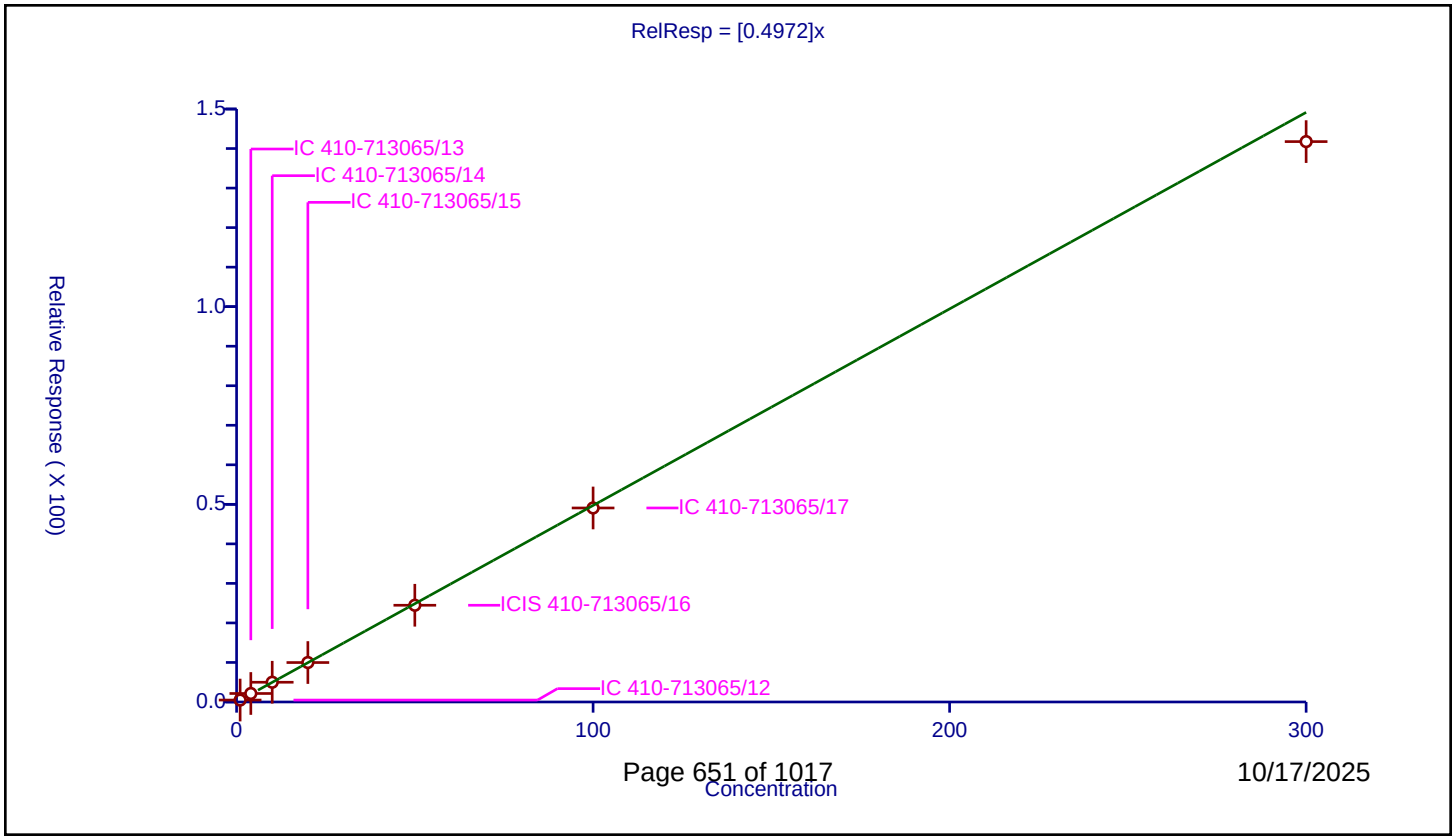
Curve Coefficients

Intercept:	0
Slope:	0.4972

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.492166	50.0	995904.0	0.492166	Y
2	IC 410-713065/13	4.0	2.146209	50.0	978586.0	0.536552	Y
3	IC 410-713065/14	10.0	4.995947	50.0	1037501.0	0.499595	Y
4	IC 410-713065/15	20.0	9.982992	50.0	1043014.0	0.49915	Y
5	ICIS 410-713065/16	50.0	24.472385	50.0	1057163.0	0.489448	Y
6	IC 410-713065/17	100.0	49.079969	50.0	1128712.0	0.4908	Y
7	IC 410-713065/18	300.0	141.759118	50.0	1178551.0	0.47253	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

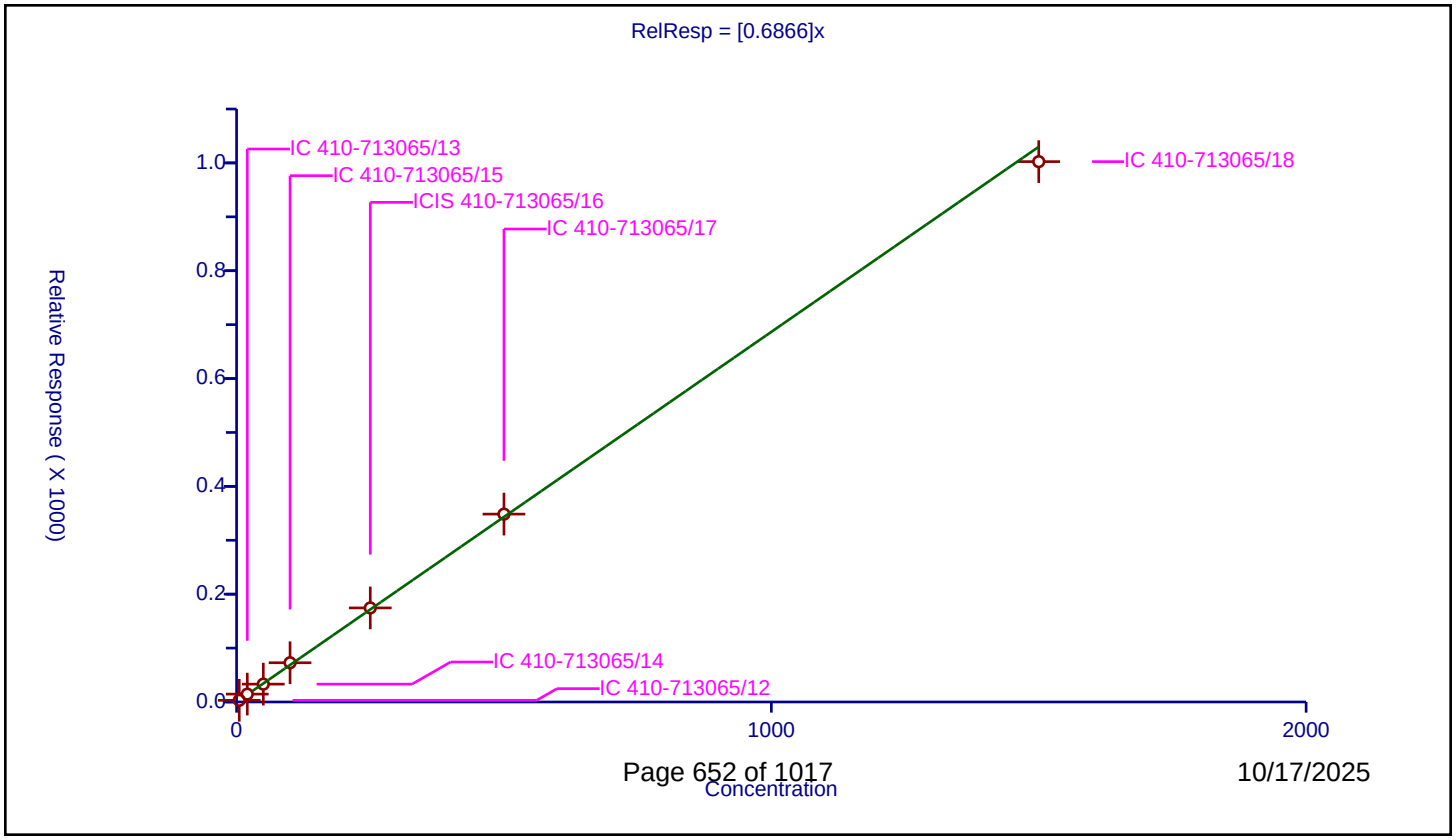
Curve Coefficients

Intercept:	0
Slope:	0.6866

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	5.0	3.109914	250.0	182079.0	0.621983	Y
2	IC 410-713065/13	20.0	14.59954	250.0	191667.0	0.729977	Y
3	IC 410-713065/14	50.0	33.135315	250.0	197961.0	0.662706	Y
4	IC 410-713065/15	100.0	72.814214	250.0	200500.0	0.728142	Y
5	ICIS 410-713065/16	250.0	174.509054	250.0	211734.0	0.698036	Y
6	IC 410-713065/17	500.0	348.508391	250.0	222679.0	0.697017	Y
7	IC 410-713065/18	1500.0	1002.406191	250.0	243954.0	0.668271	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

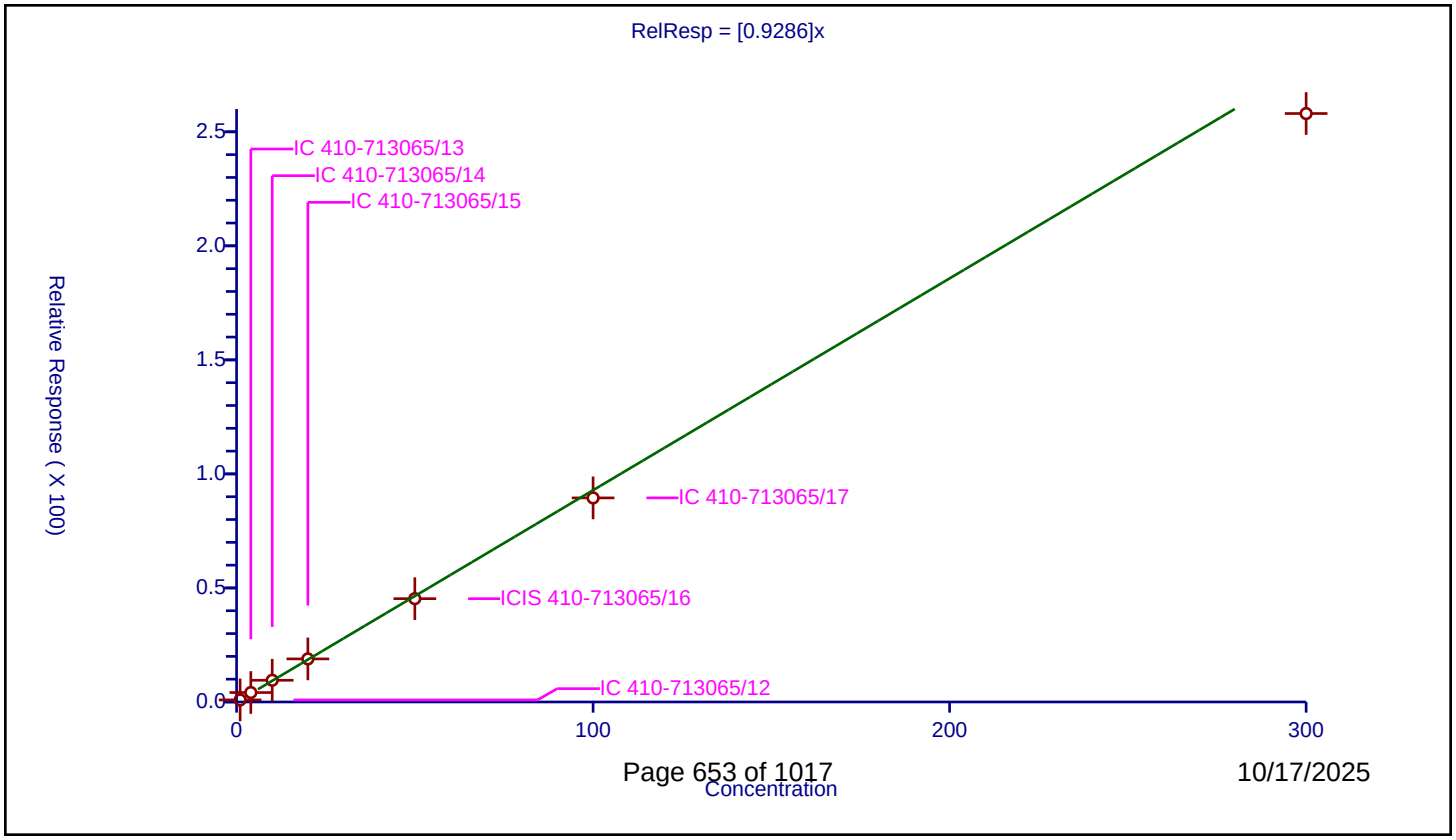
Curve Coefficients

Intercept:	0
Slope:	0.9286

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.905007	50.0	995904.0	0.905007	Y
2	IC 410-713065/13	4.0	4.150683	50.0	978586.0	1.037671	Y
3	IC 410-713065/14	10.0	9.523075	50.0	1037501.0	0.952308	Y
4	IC 410-713065/15	20.0	18.888625	50.0	1043014.0	0.944431	Y
5	ICIS 410-713065/16	50.0	45.303326	50.0	1057163.0	0.906067	Y
6	IC 410-713065/17	100.0	89.48257	50.0	1128712.0	0.894826	Y
7	IC 410-713065/18	300.0	258.018066	50.0	1178551.0	0.86006	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

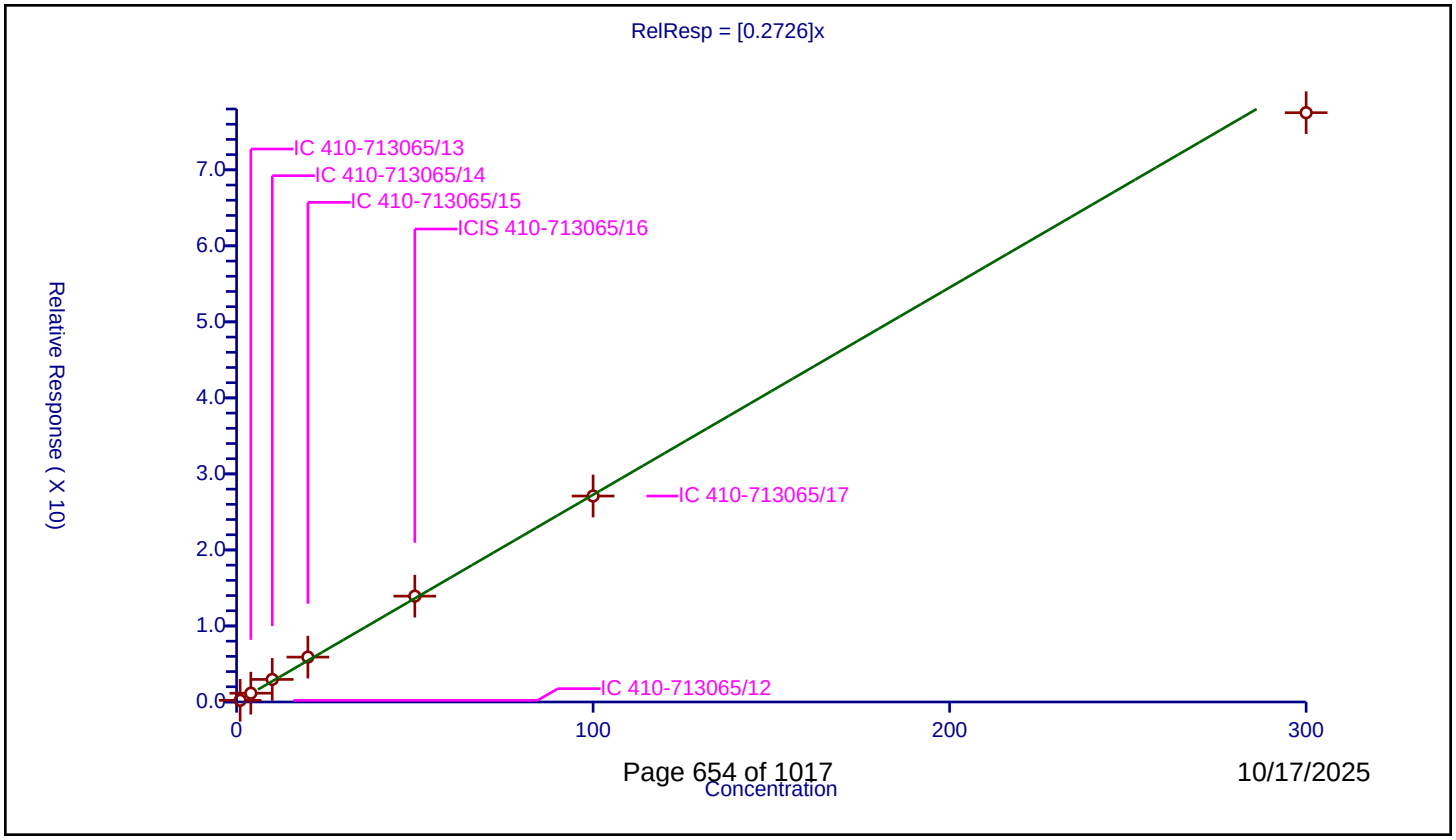
Curve Coefficients

Intercept:	0
Slope:	0.2726

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.2198	50.0	995904.0	0.2198	Y
2	IC 410-713065/13	4.0	1.154319	50.0	978586.0	0.28858	Y
3	IC 410-713065/14	10.0	2.967853	50.0	1037501.0	0.296785	Y
4	IC 410-713065/15	20.0	5.905577	50.0	1043014.0	0.295279	Y
5	ICIS 410-713065/16	50.0	13.924295	50.0	1057163.0	0.278486	Y
6	IC 410-713065/17	100.0	27.090524	50.0	1128712.0	0.270905	Y
7	IC 410-713065/18	300.0	77.516035	50.0	1178551.0	0.258387	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

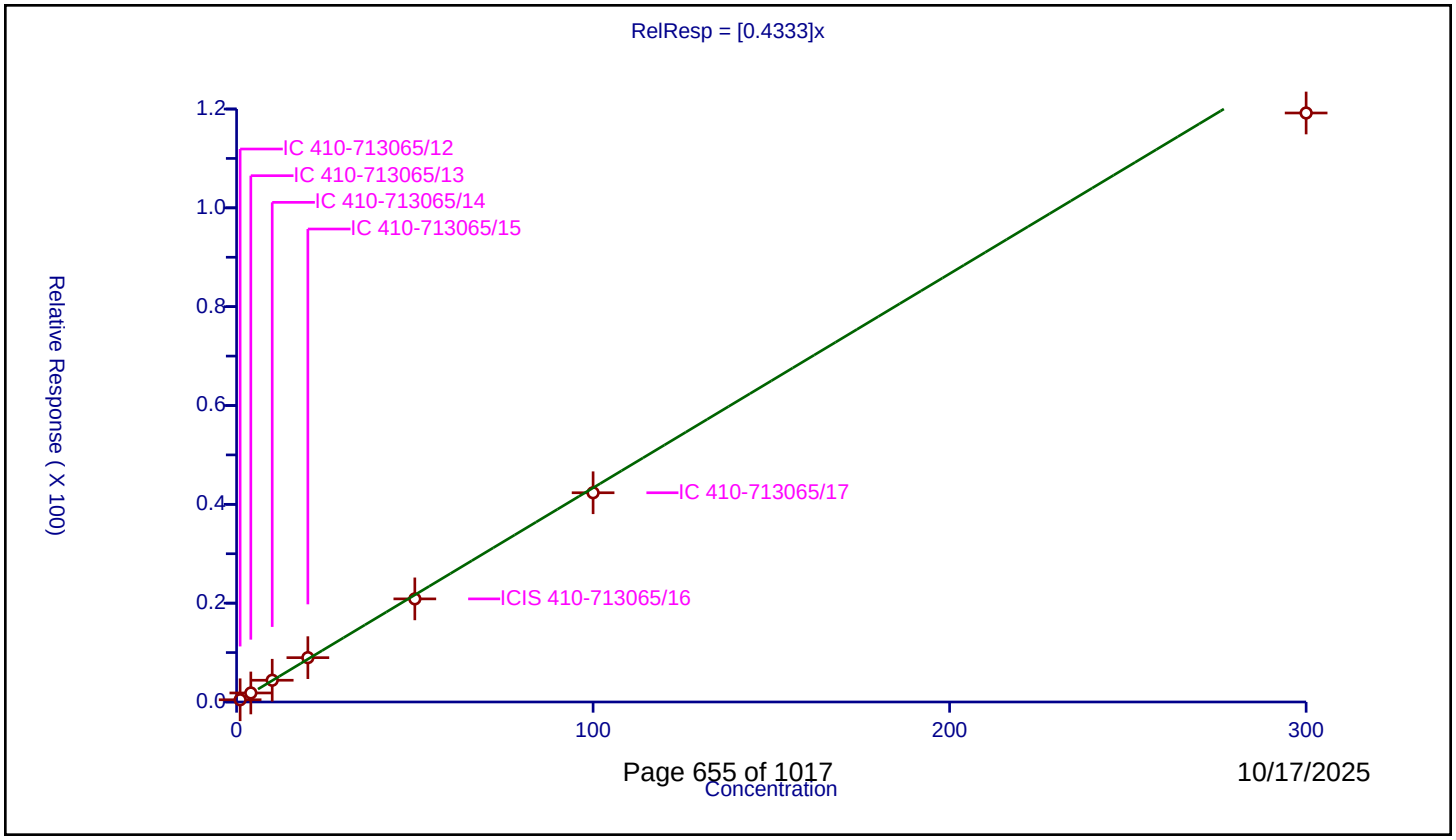
Curve Coefficients

Intercept:	0
Slope:	0.4333

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.450094	50.0	995904.0	0.450094	Y
2	IC 410-713065/13	4.0	1.826513	50.0	978586.0	0.456628	Y
3	IC 410-713065/14	10.0	4.40014	50.0	1037501.0	0.440014	Y
4	IC 410-713065/15	20.0	8.970014	50.0	1043014.0	0.448501	Y
5	ICIS 410-713065/16	50.0	20.865893	50.0	1057163.0	0.417318	Y
6	IC 410-713065/17	100.0	42.343175	50.0	1128712.0	0.423432	Y
7	IC 410-713065/18	300.0	119.193654	50.0	1178551.0	0.397312	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

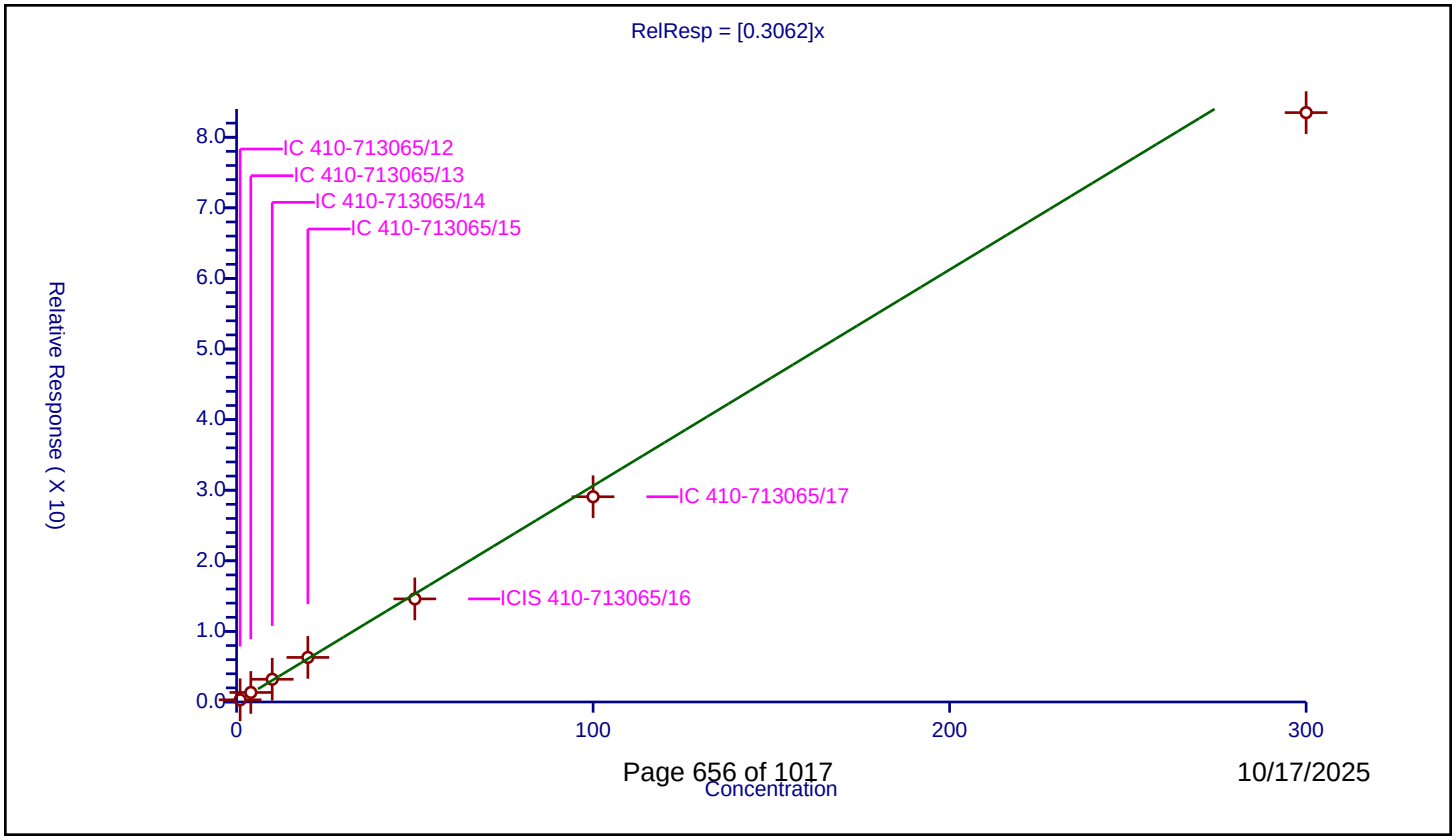
Curve Coefficients

Intercept:	0
Slope:	0.3062

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.306606	50.0	995904.0	0.306606	Y
2	IC 410-713065/13	4.0	1.352104	50.0	978586.0	0.338026	Y
3	IC 410-713065/14	10.0	3.218985	50.0	1037501.0	0.321898	Y
4	IC 410-713065/15	20.0	6.314249	50.0	1043014.0	0.315712	Y
5	ICIS 410-713065/16	50.0	14.604134	50.0	1057163.0	0.292083	Y
6	IC 410-713065/17	100.0	29.074999	50.0	1128712.0	0.29075	Y
7	IC 410-713065/18	300.0	83.490787	50.0	1178551.0	0.278303	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

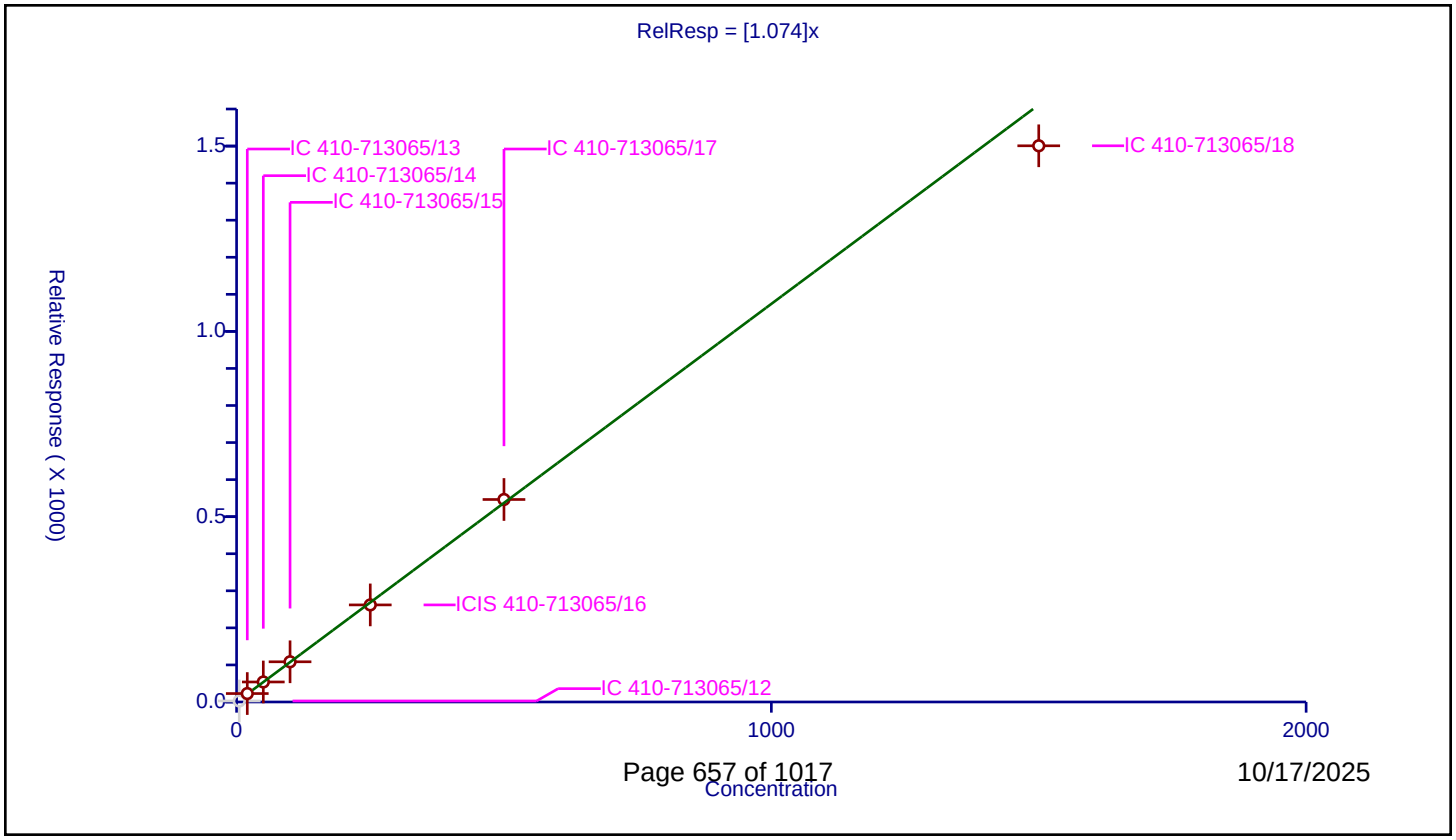
Curve Coefficients

Intercept:	0
Slope:	1.074

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	5.0	2.758418	250.0	182079.0	0.551684	N
2	IC 410-713065/13	20.0	22.762134	250.0	191667.0	1.138107	Y
3	IC 410-713065/14	50.0	54.034633	250.0	197961.0	1.080693	Y
4	IC 410-713065/15	100.0	108.504988	250.0	200500.0	1.08505	Y
5	ICIS 410-713065/16	250.0	261.964304	250.0	211734.0	1.047857	Y
6	IC 410-713065/17	500.0	546.403118	250.0	222679.0	1.092806	Y
7	IC 410-713065/18	1500.0	1500.752191	250.0	243954.0	1.000501	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

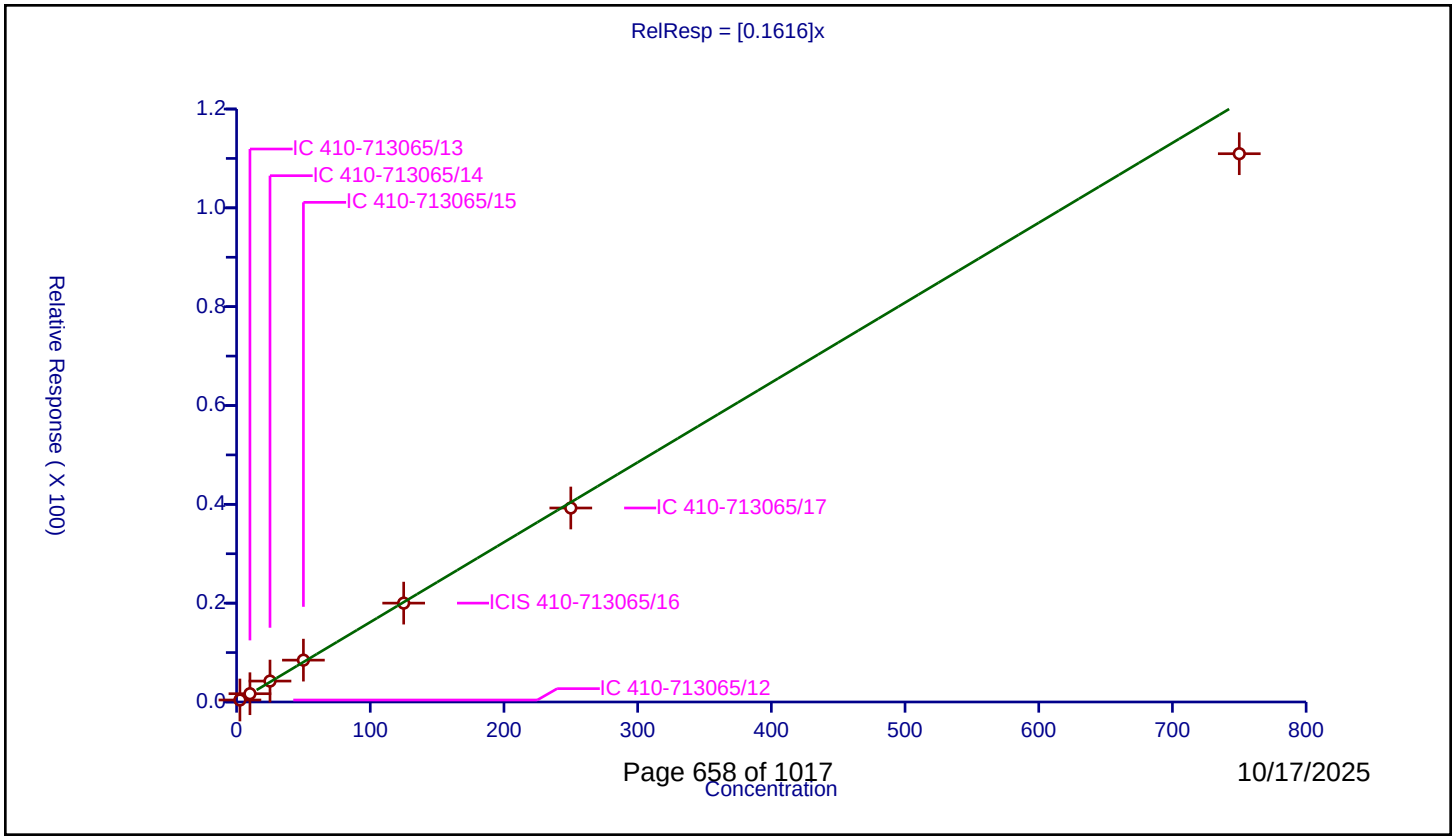
Curve Coefficients

Intercept:	0
Slope:	0.1616

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	2.5	0.400691	50.0	995904.0	0.160276	Y
2	IC 410-713065/13	10.0	1.673384	50.0	978586.0	0.167338	Y
3	IC 410-713065/14	25.0	4.233875	50.0	1037501.0	0.169355	Y
4	IC 410-713065/15	50.0	8.470883	50.0	1043014.0	0.169418	Y
5	ICIS 410-713065/16	125.0	20.008551	50.0	1057163.0	0.160068	Y
6	IC 410-713065/17	250.0	39.258376	50.0	1128712.0	0.157034	Y
7	IC 410-713065/18	750.0	110.954341	50.0	1178551.0	0.147939	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

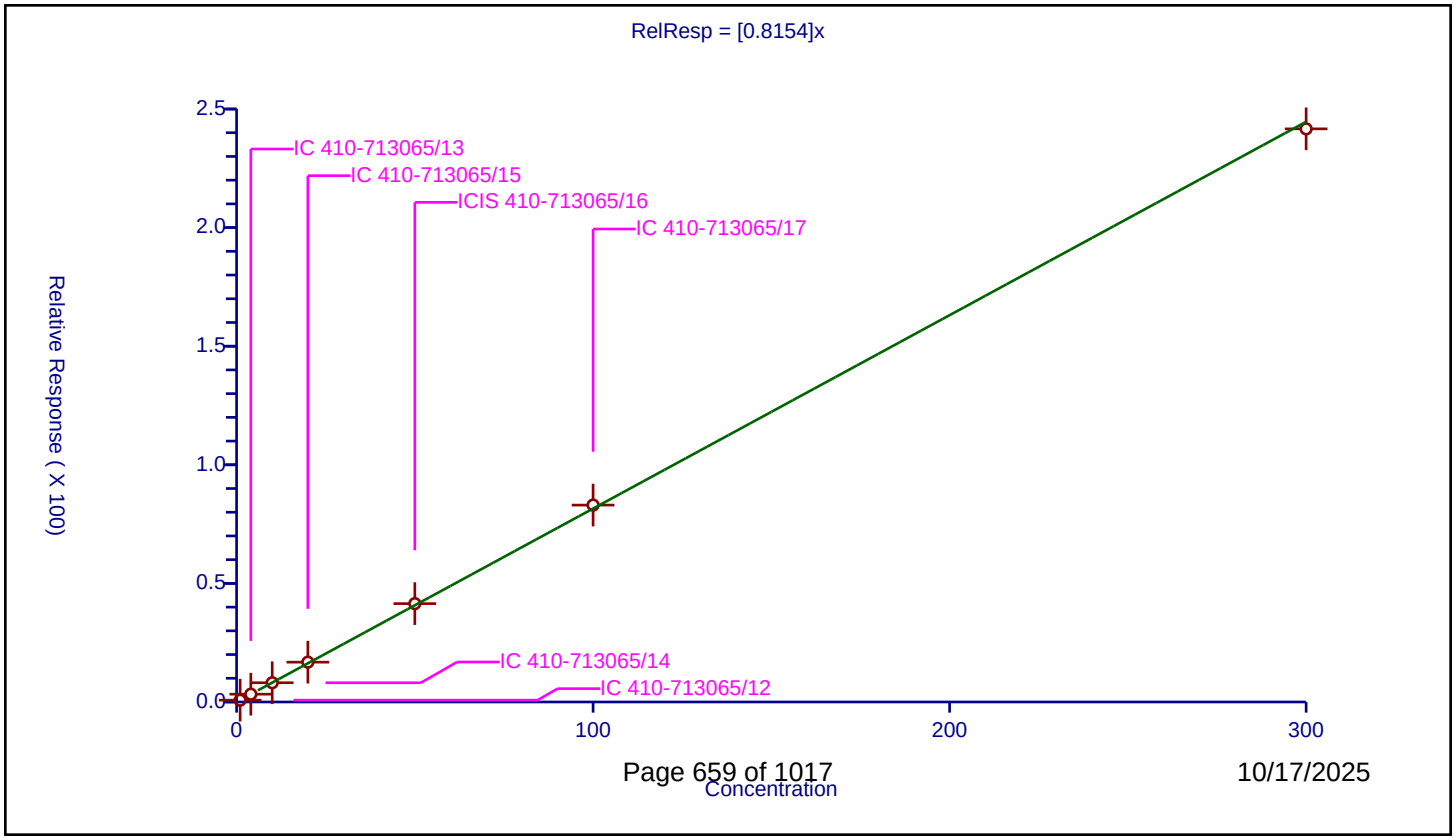
Curve Coefficients

Intercept:	0
Slope:	0.8154

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.768799	50.0	995904.0	0.768799	Y
2	IC 410-713065/13	4.0	3.293987	50.0	978586.0	0.823497	Y
3	IC 410-713065/14	10.0	8.110546	50.0	1037501.0	0.811055	Y
4	IC 410-713065/15	20.0	16.787502	50.0	1043014.0	0.839375	Y
5	ICIS 410-713065/16	50.0	41.472933	50.0	1057163.0	0.829459	Y
6	IC 410-713065/17	100.0	83.016483	50.0	1128712.0	0.830165	Y
7	IC 410-713065/18	300.0	241.629849	50.0	1178551.0	0.805433	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

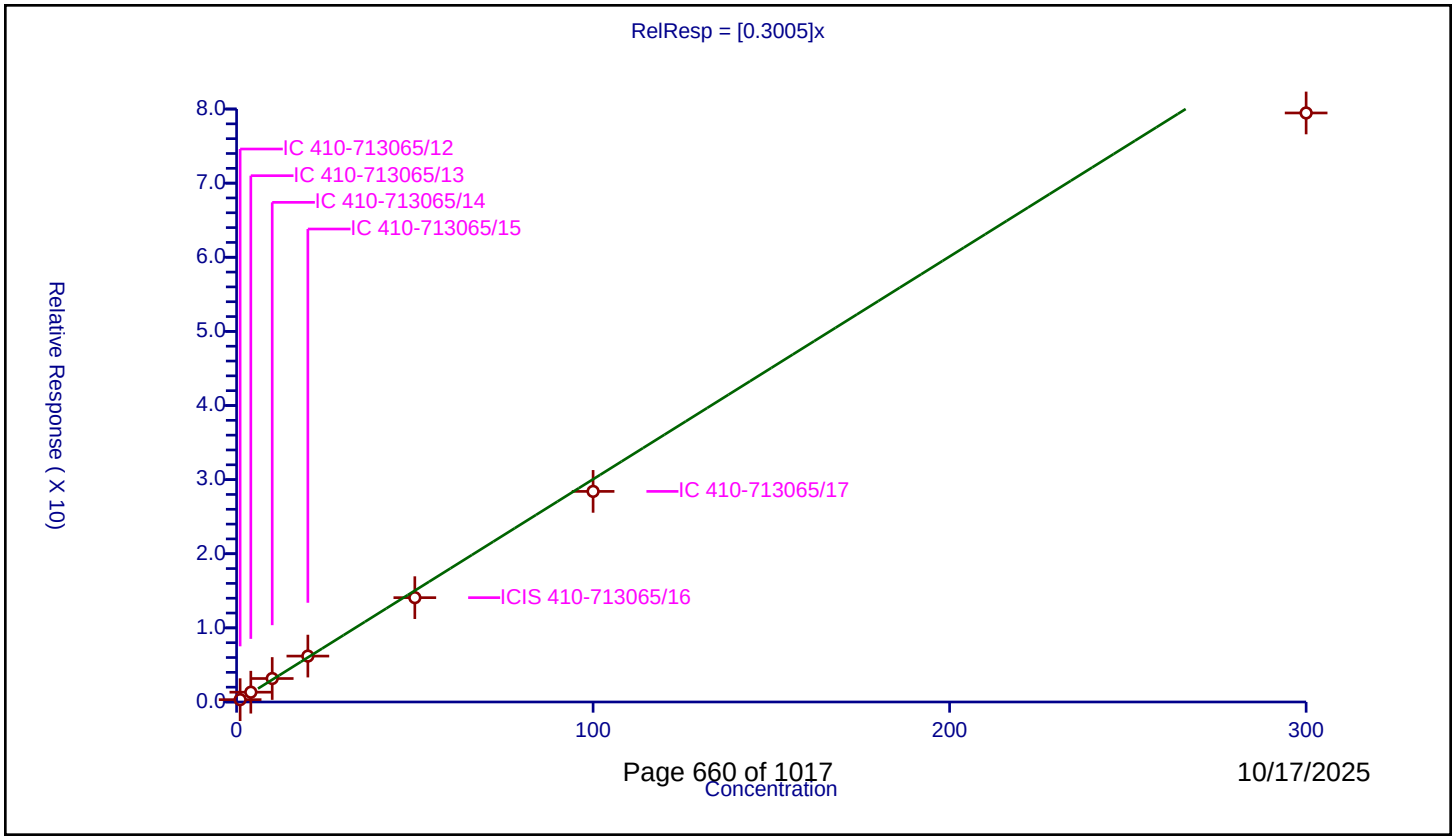
Curve Coefficients

Intercept:	0
Slope:	0.3005

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.316195	50.0	995904.0	0.316195	Y
2	IC 410-713065/13	4.0	1.320885	50.0	978586.0	0.330221	Y
3	IC 410-713065/14	10.0	3.168961	50.0	1037501.0	0.316896	Y
4	IC 410-713065/15	20.0	6.19402	50.0	1043014.0	0.309701	Y
5	ICIS 410-713065/16	50.0	14.075455	50.0	1057163.0	0.281509	Y
6	IC 410-713065/17	100.0	28.411012	50.0	1128712.0	0.28411	Y
7	IC 410-713065/18	300.0	79.468559	50.0	1178551.0	0.264895	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

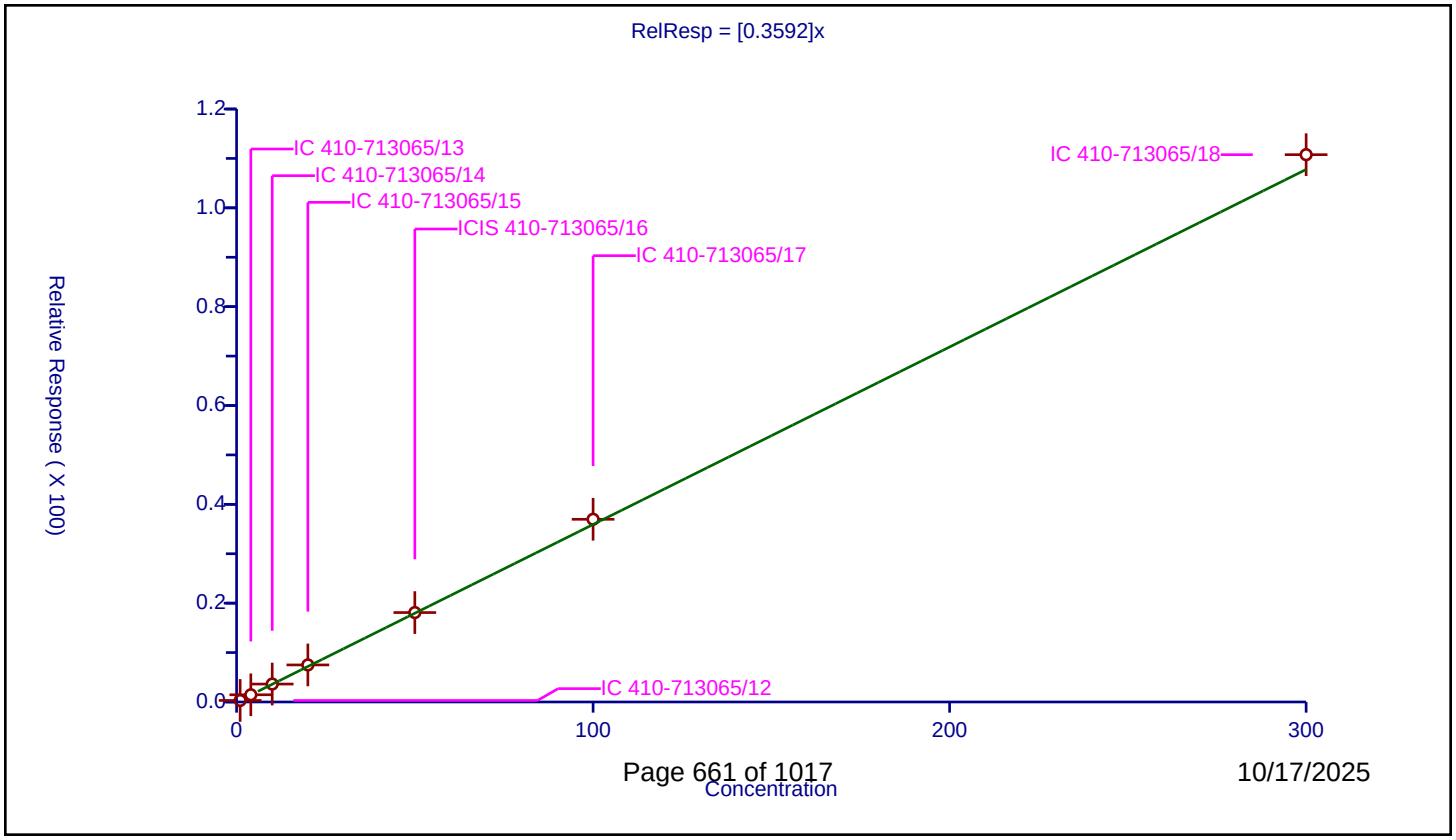
Curve Coefficients

Intercept:	0
Slope:	0.3592

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.311225	50.0	995904.0	0.311225	Y
2	IC 410-713065/13	4.0	1.457307	50.0	978586.0	0.364327	Y
3	IC 410-713065/14	10.0	3.631129	50.0	1037501.0	0.363113	Y
4	IC 410-713065/15	20.0	7.498509	50.0	1043014.0	0.374925	Y
5	ICIS 410-713065/16	50.0	18.099858	50.0	1057163.0	0.361997	Y
6	IC 410-713065/17	100.0	36.973249	50.0	1128712.0	0.369732	Y
7	IC 410-713065/18	300.0	110.761138	50.0	1178551.0	0.369204	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

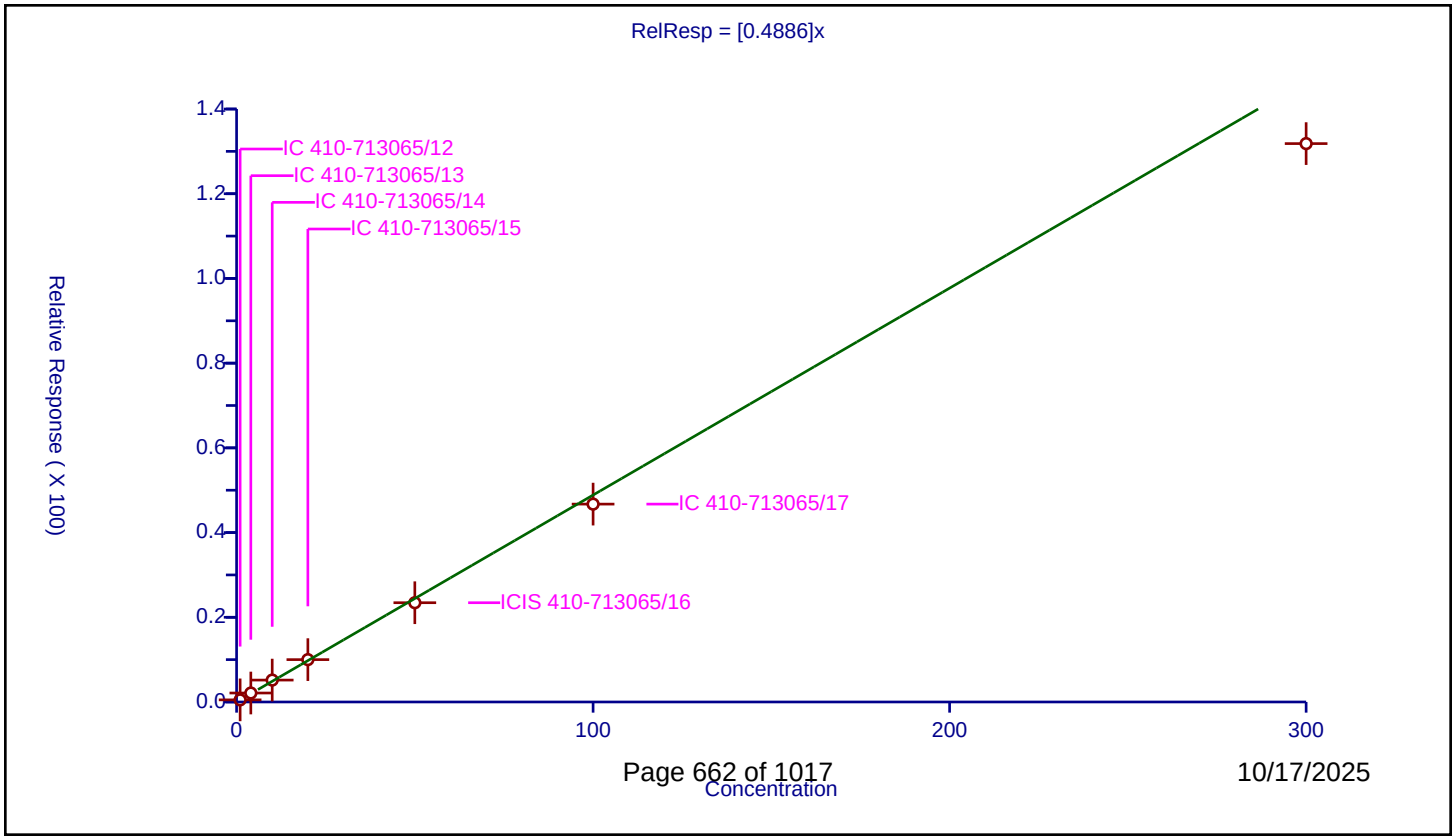
Curve Coefficients

Intercept:	0
Slope:	0.4886

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.498592	50.0	995904.0	0.498592	Y
2	IC 410-713065/13	4.0	2.115501	50.0	978586.0	0.528875	Y
3	IC 410-713065/14	10.0	5.172959	50.0	1037501.0	0.517296	Y
4	IC 410-713065/15	20.0	9.998284	50.0	1043014.0	0.499914	Y
5	ICIS 410-713065/16	50.0	23.435837	50.0	1057163.0	0.468717	Y
6	IC 410-713065/17	100.0	46.717143	50.0	1128712.0	0.467171	Y
7	IC 410-713065/18	300.0	131.831715	50.0	1178551.0	0.439439	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

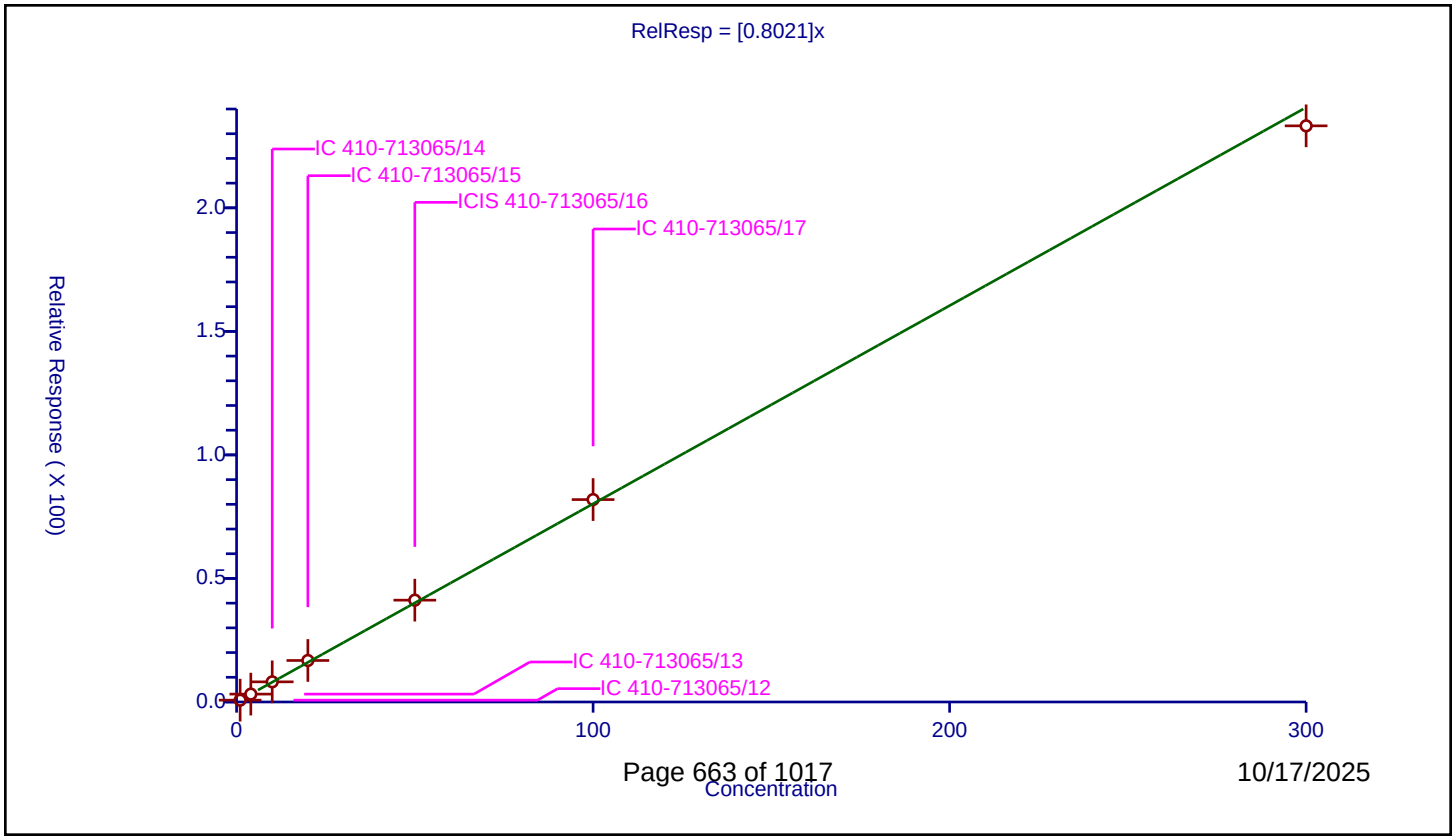
Curve Coefficients

Intercept:	0
Slope:	0.8021

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.741487	50.0	995904.0	0.741487	Y
2	IC 410-713065/13	4.0	3.190777	50.0	978586.0	0.797694	Y
3	IC 410-713065/14	10.0	8.148811	50.0	1037501.0	0.814881	Y
4	IC 410-713065/15	20.0	16.798288	50.0	1043014.0	0.839914	Y
5	ICIS 410-713065/16	50.0	41.213985	50.0	1057163.0	0.82428	Y
6	IC 410-713065/17	100.0	81.924663	50.0	1128712.0	0.819247	Y
7	IC 410-713065/18	300.0	233.18889	50.0	1178551.0	0.777296	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

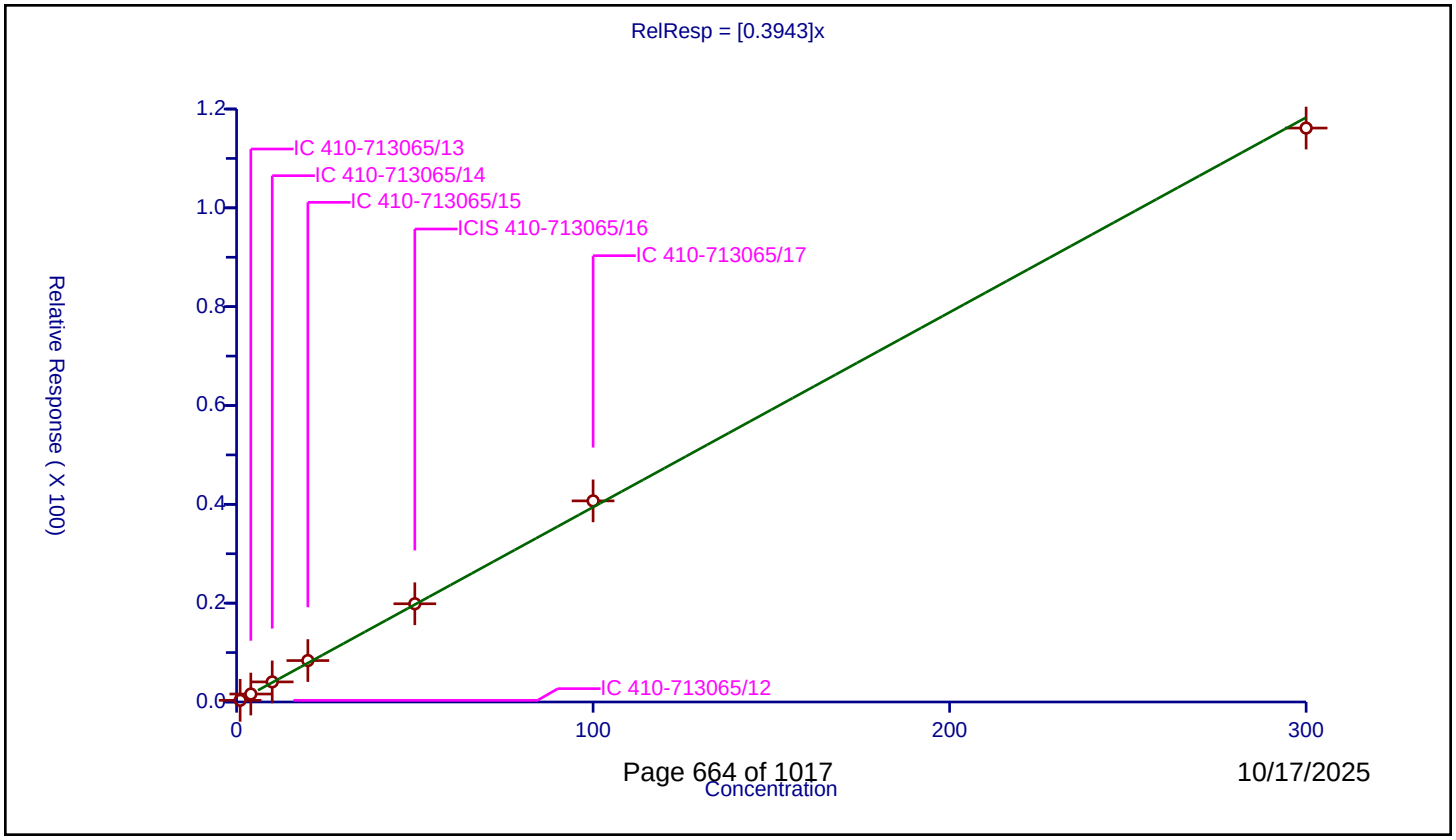
Curve Coefficients

Intercept:	0
Slope:	0.3943

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.339641	50.0	995904.0	0.339641	Y
2	IC 410-713065/13	4.0	1.611764	50.0	978586.0	0.402941	Y
3	IC 410-713065/14	10.0	4.065442	50.0	1037501.0	0.406544	Y
4	IC 410-713065/15	20.0	8.384595	50.0	1043014.0	0.41923	Y
5	ICIS 410-713065/16	50.0	19.878723	50.0	1057163.0	0.397574	Y
6	IC 410-713065/17	100.0	40.699665	50.0	1128712.0	0.406997	Y
7	IC 410-713065/18	300.0	116.147922	50.0	1178551.0	0.38716	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

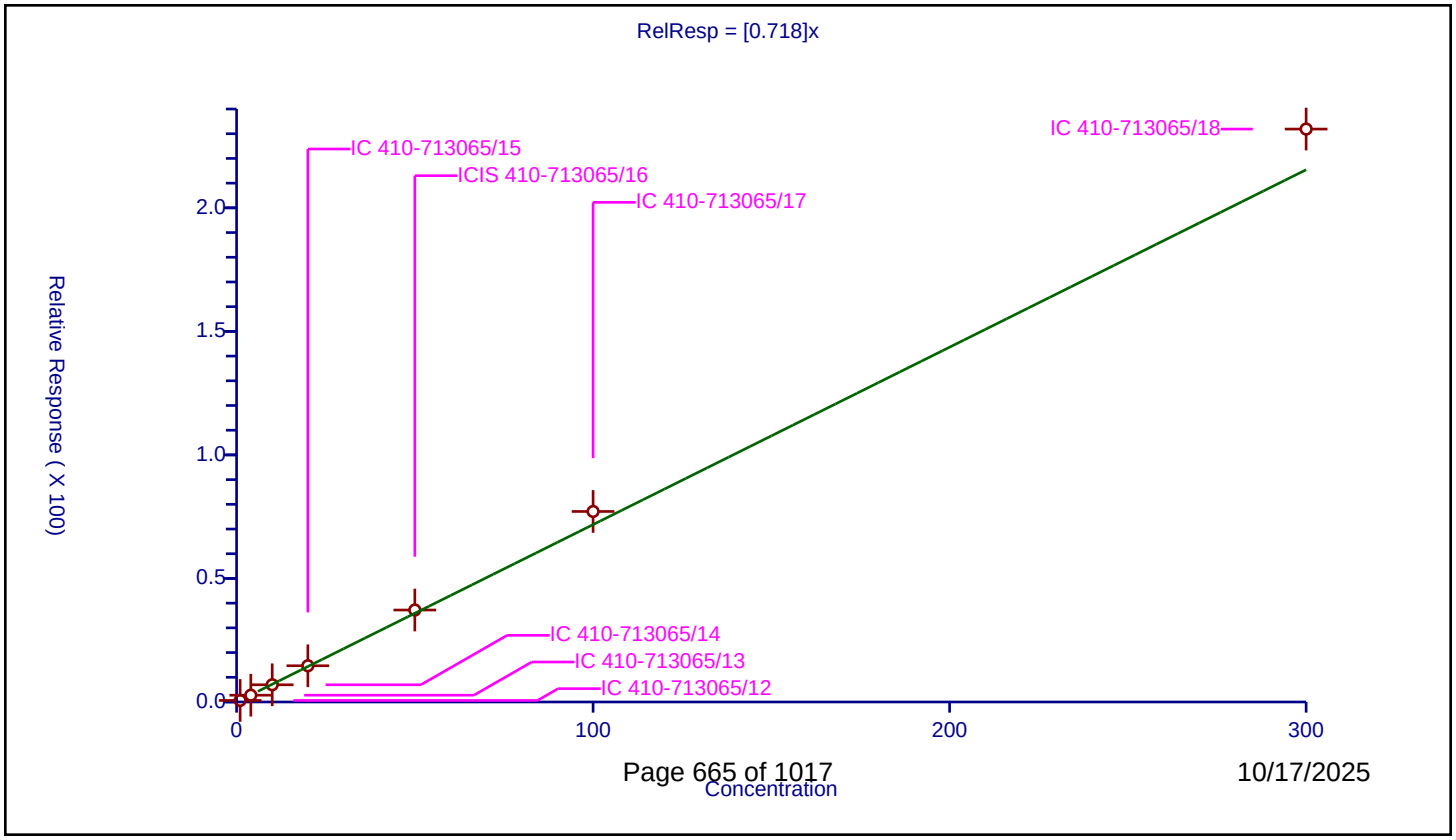
Curve Coefficients

Intercept:	0
Slope:	0.718

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.621345	50.0	995904.0	0.621345	Y
2	IC 410-713065/13	4.0	2.746207	50.0	978586.0	0.686552	Y
3	IC 410-713065/14	10.0	6.969969	50.0	1037501.0	0.696997	Y
4	IC 410-713065/15	20.0	14.659055	50.0	1043014.0	0.732953	Y
5	ICIS 410-713065/16	50.0	37.220183	50.0	1057163.0	0.744404	Y
6	IC 410-713065/17	100.0	77.106339	50.0	1128712.0	0.771063	Y
7	IC 410-713065/18	300.0	231.88585	50.0	1178551.0	0.772953	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

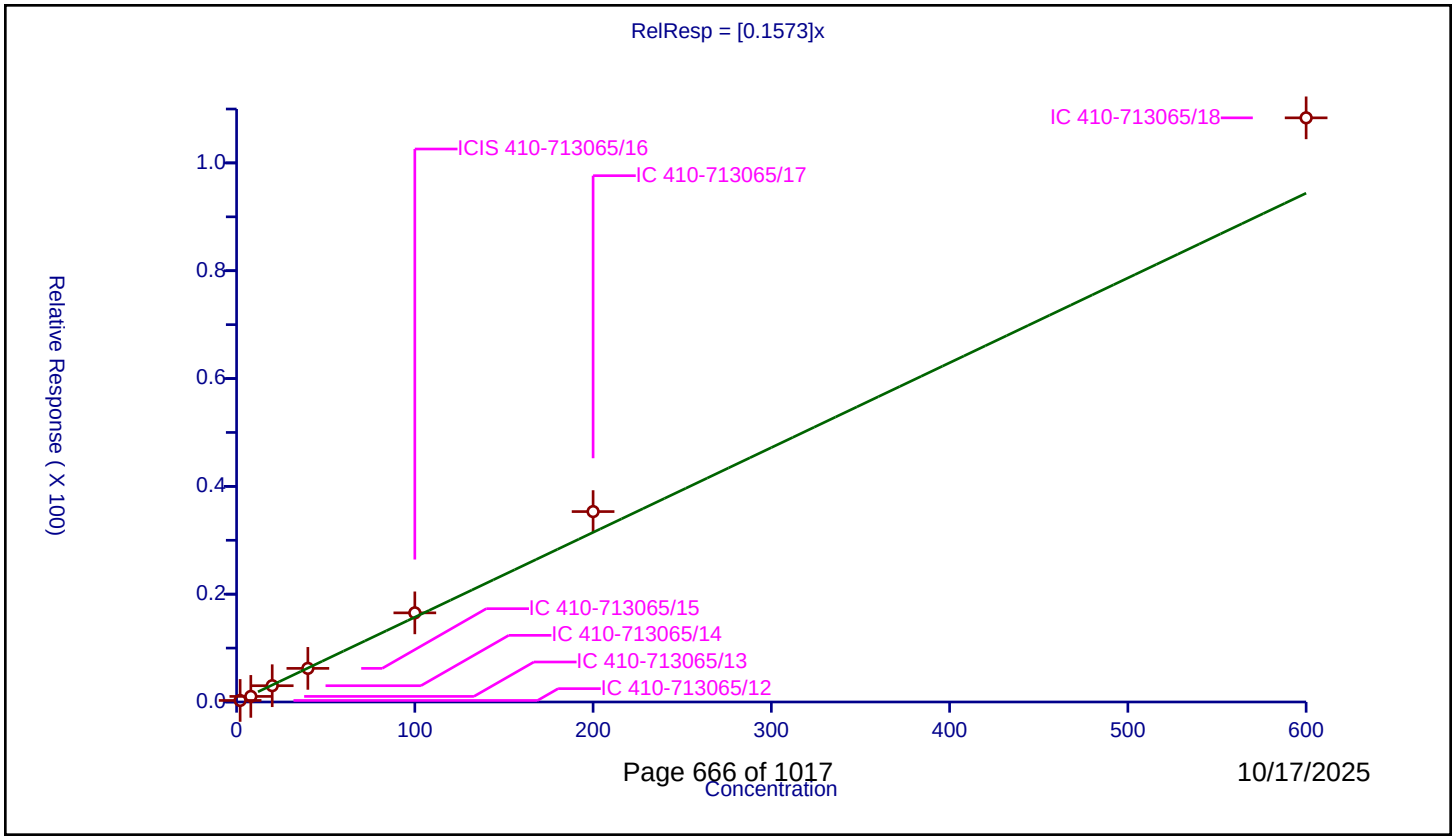
Curve Coefficients

Intercept:	0
Slope:	0.1573

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	2.0	0.284214	50.0	995904.0	0.142107	Y
2	IC 410-713065/13	8.0	1.035985	50.0	978586.0	0.129498	Y
3	IC 410-713065/14	20.0	3.021732	50.0	1037501.0	0.151087	Y
4	IC 410-713065/15	40.0	6.237356	50.0	1043014.0	0.155934	Y
5	ICIS 410-713065/16	100.0	16.533969	50.0	1057163.0	0.16534	Y
6	IC 410-713065/17	200.0	35.323537	50.0	1128712.0	0.176618	Y
7	IC 410-713065/18	600.0	108.364678	50.0	1178551.0	0.180608	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

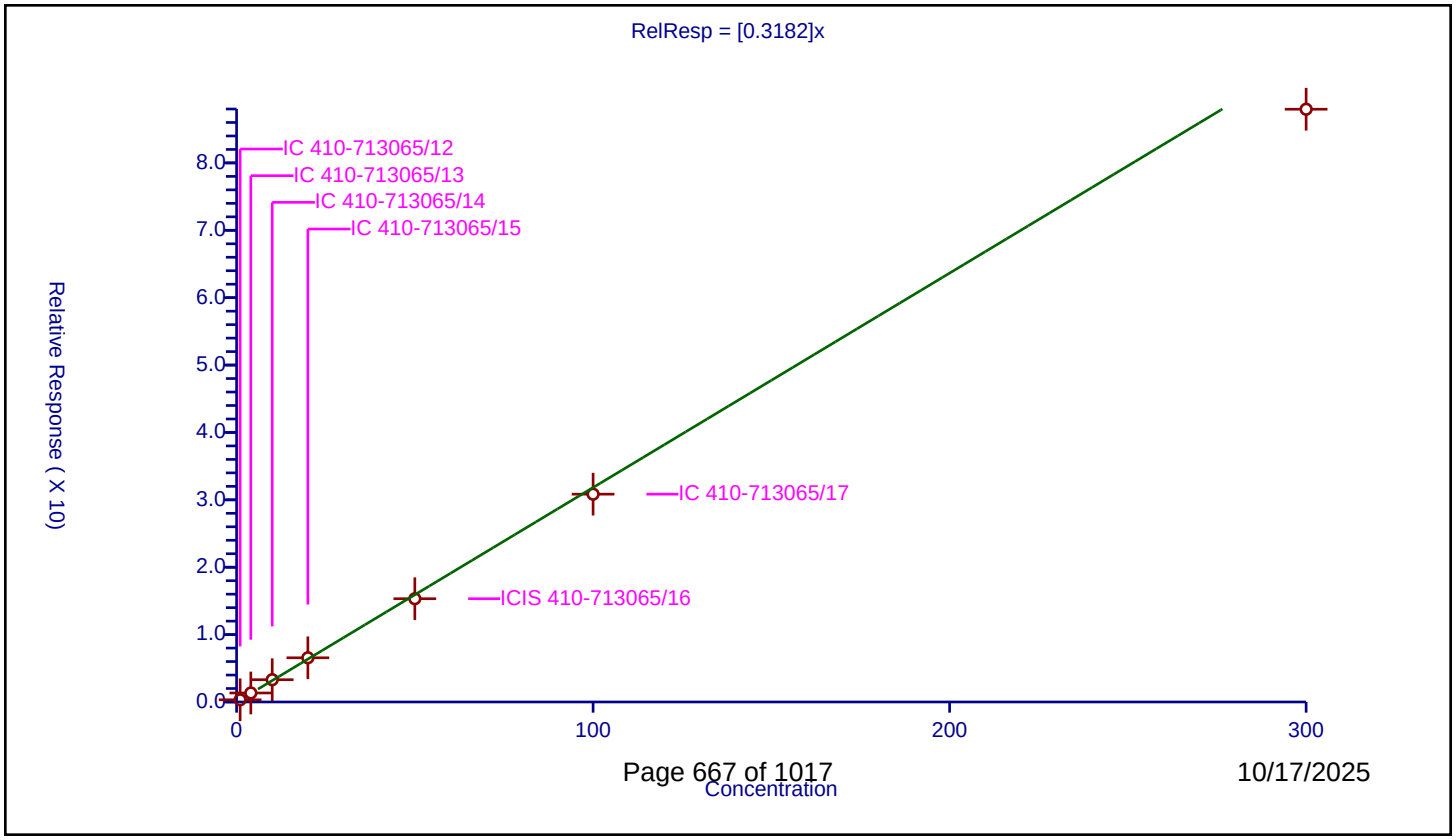
Curve Coefficients

Intercept:	0
Slope:	0.3182

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.326839	50.0	995904.0	0.326839	Y
2	IC 410-713065/13	4.0	1.336265	50.0	978586.0	0.334066	Y
3	IC 410-713065/14	10.0	3.307418	50.0	1037501.0	0.330742	Y
4	IC 410-713065/15	20.0	6.55763	50.0	1043014.0	0.327882	Y
5	ICIS 410-713065/16	50.0	15.324884	50.0	1057163.0	0.306498	Y
6	IC 410-713065/17	100.0	30.841348	50.0	1128712.0	0.308413	Y
7	IC 410-713065/18	300.0	87.970101	50.0	1178551.0	0.293234	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

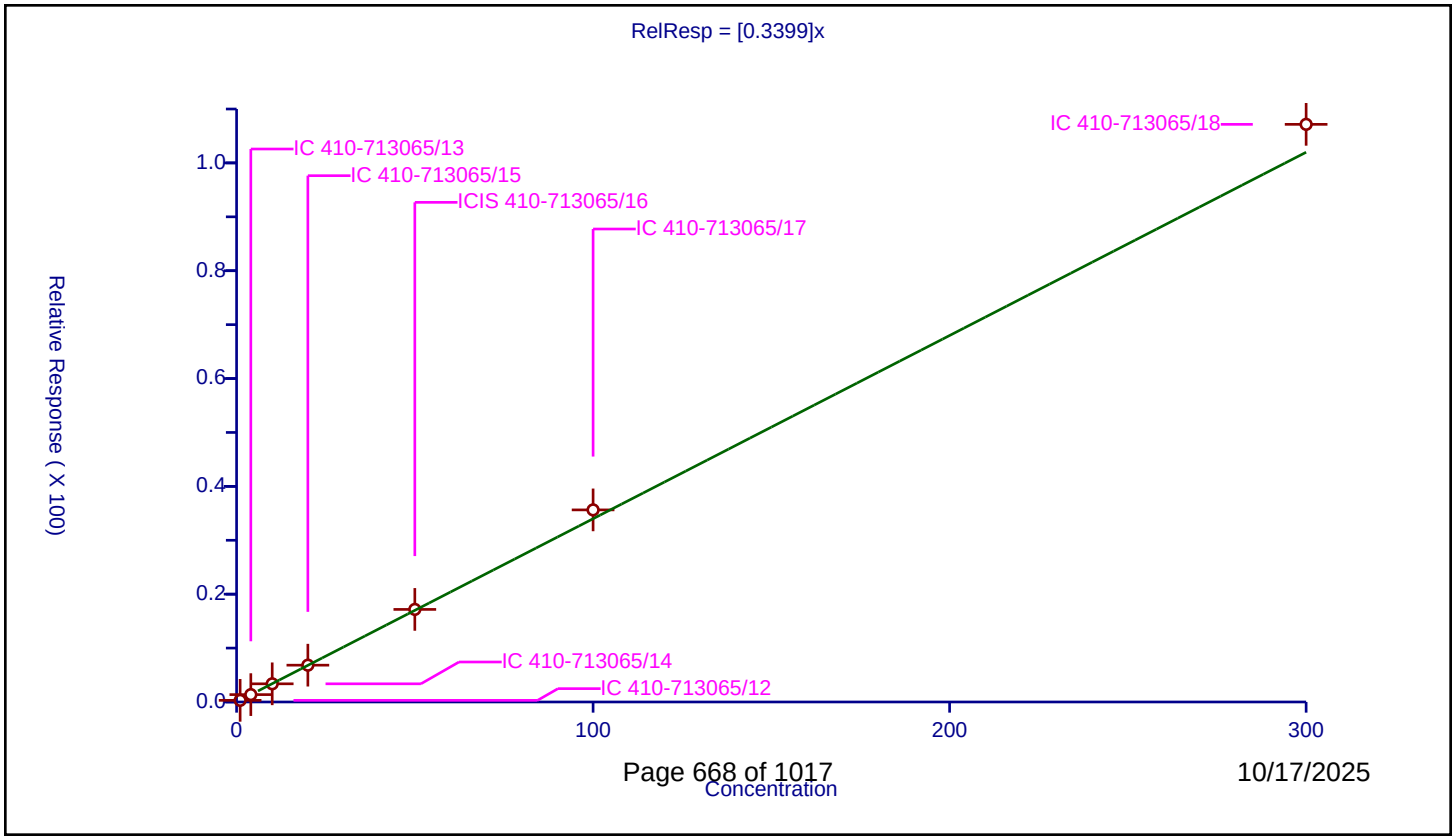
Curve Coefficients

Intercept:	0
Slope:	0.3399

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.30264	50.0	995904.0	0.30264	Y
2	IC 410-713065/13	4.0	1.366206	50.0	978586.0	0.341551	Y
3	IC 410-713065/14	10.0	3.368816	50.0	1037501.0	0.336882	Y
4	IC 410-713065/15	20.0	6.829391	50.0	1043014.0	0.34147	Y
5	ICIS 410-713065/16	50.0	17.172896	50.0	1057163.0	0.343458	Y
6	IC 410-713065/17	100.0	35.632429	50.0	1128712.0	0.356324	Y
7	IC 410-713065/18	300.0	107.153827	50.0	1178551.0	0.357179	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

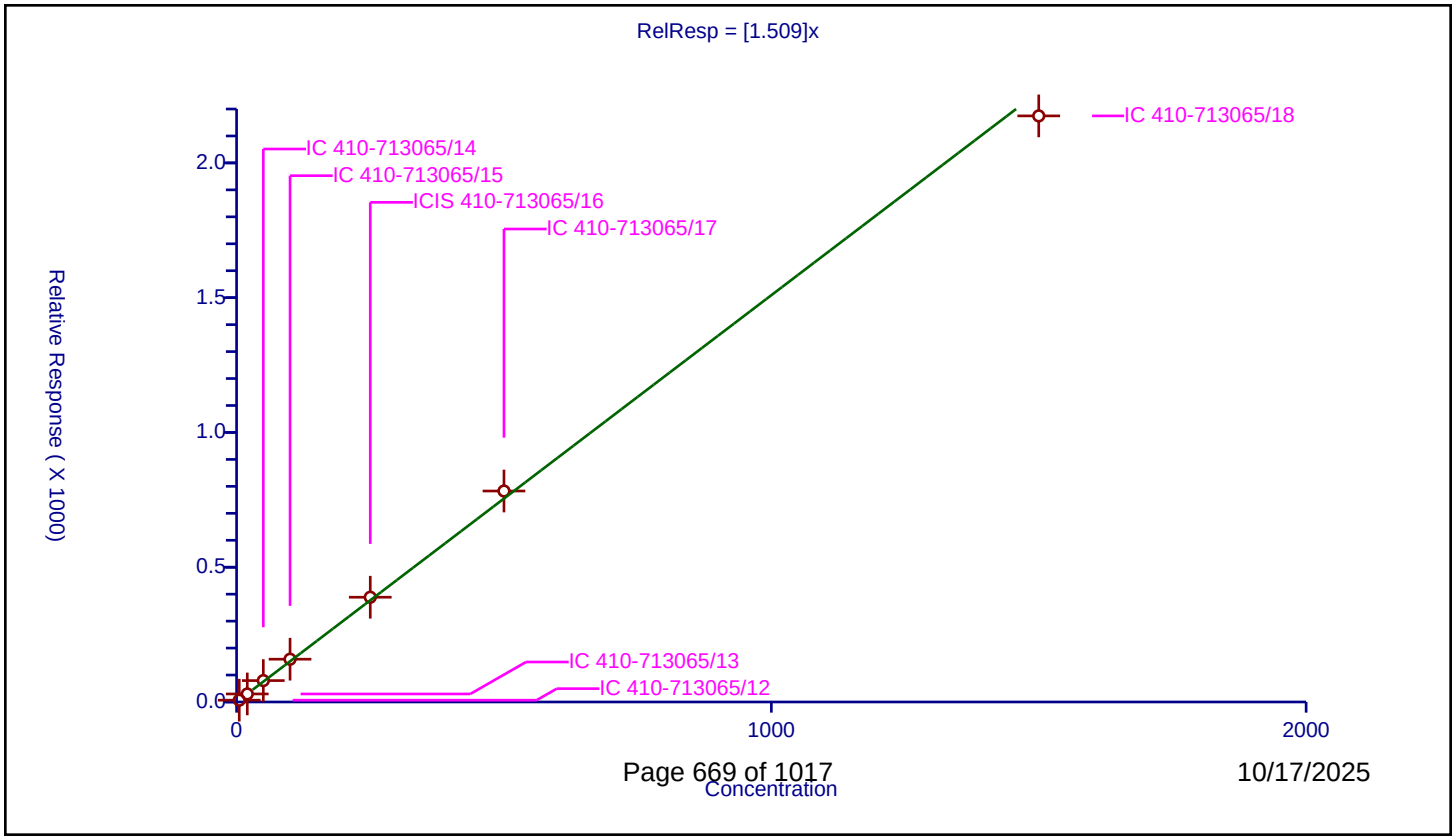
Curve Coefficients

Intercept:	0
Slope:	1.509

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	5.0	6.655078	250.0	182079.0	1.331016	Y
2	IC 410-713065/13	20.0	29.788644	250.0	191667.0	1.489432	Y
3	IC 410-713065/14	50.0	79.364117	250.0	197961.0	1.587282	Y
4	IC 410-713065/15	100.0	158.729426	250.0	200500.0	1.587294	Y
5	ICIS 410-713065/16	250.0	388.63031	250.0	211734.0	1.554521	Y
6	IC 410-713065/17	500.0	782.76353	250.0	222679.0	1.565527	Y
7	IC 410-713065/18	1500.0	2174.443748	250.0	243954.0	1.449629	Y



Calibration / Methyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

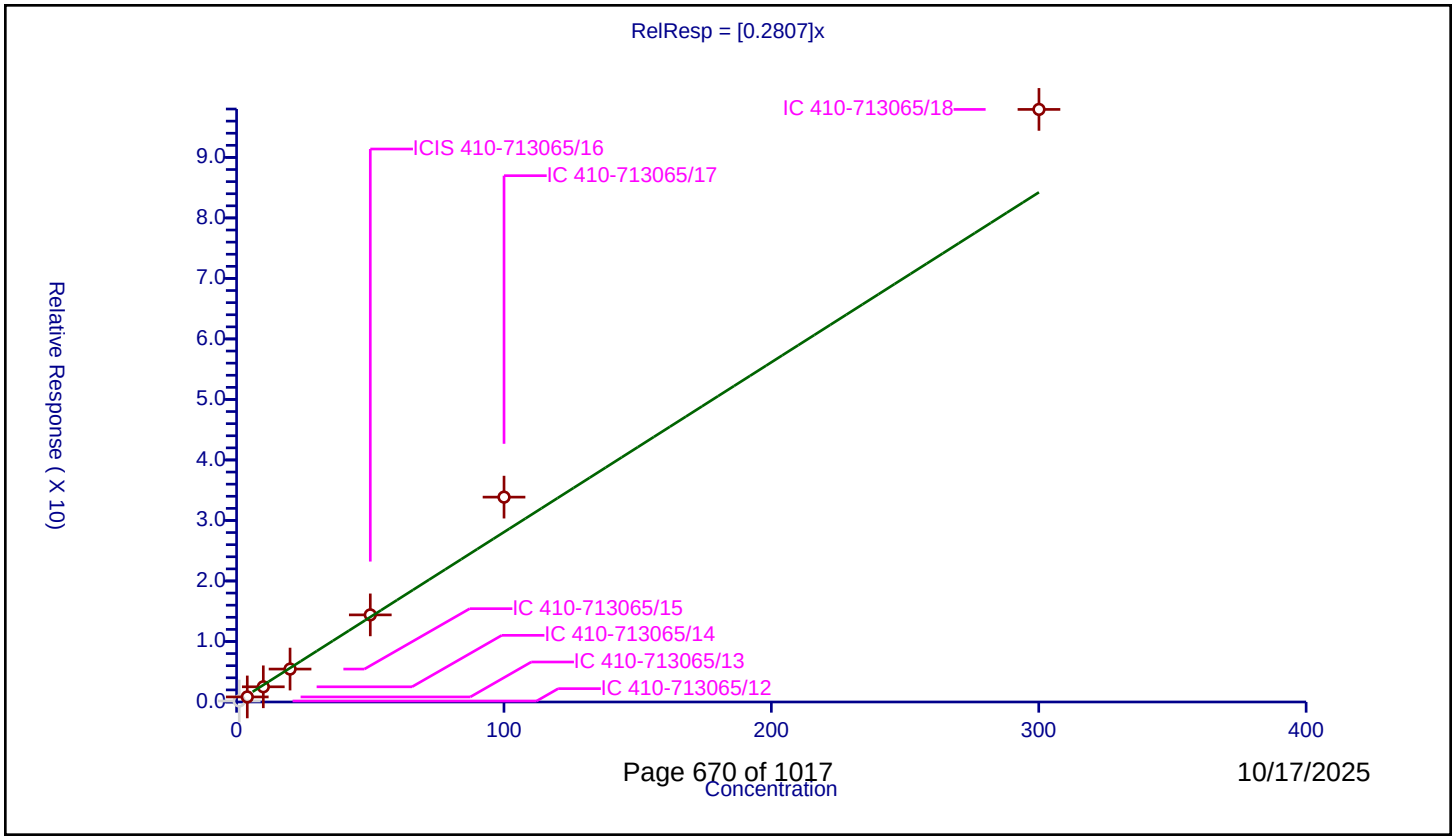
Curve Coefficients

Intercept:	0
Slope:	0.2807

Error Coefficients

Relative Standard Deviation:	17.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.000283	0.163419	50.0	995904.0	0.163373	N
2	IC 410-713065/13	4.001132	0.835644	50.0	978586.0	0.208852	Y
3	IC 410-713065/14	10.00283	2.508239	50.0	1037501.0	0.250753	Y
4	IC 410-713065/15	20.00566	5.440675	50.0	1043014.0	0.271957	Y
5	ICIS 410-713065/16	50.01415	14.398111	50.0	1057163.0	0.287881	Y
6	IC 410-713065/17	100.0283	33.855891	50.0	1128712.0	0.338463	Y
7	IC 410-713065/18	300.0849	97.933437	50.0	1178551.0	0.326352	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

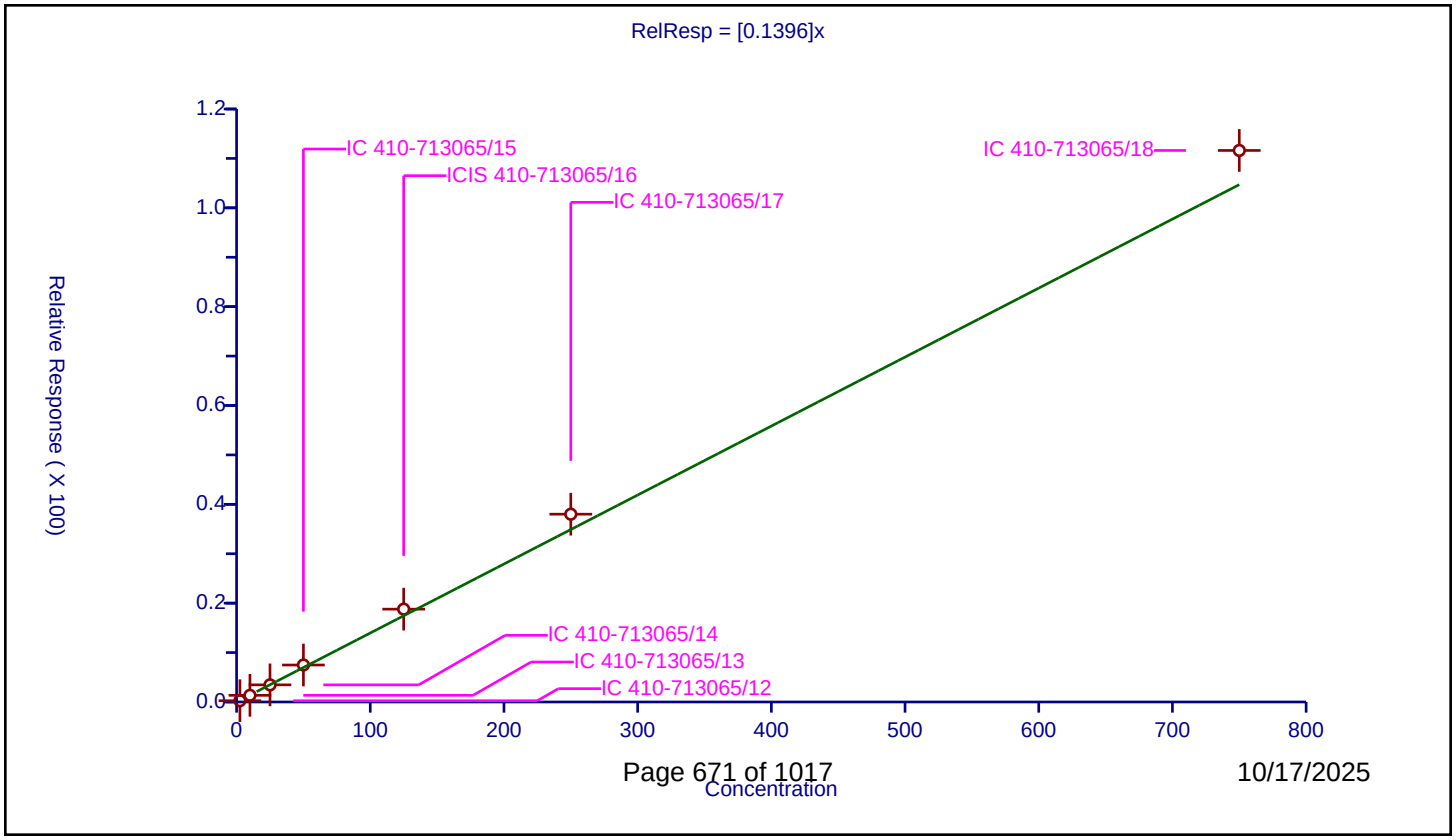
Curve Coefficients

Intercept:	0
Slope:	0.1396

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	2.5	0.257304	50.0	995904.0	0.102922	Y
2	IC 410-713065/13	10.0	1.348987	50.0	978586.0	0.134899	Y
3	IC 410-713065/14	25.0	3.465298	50.0	1037501.0	0.138612	Y
4	IC 410-713065/15	50.0	7.480916	50.0	1043014.0	0.149618	Y
5	ICIS 410-713065/16	125.0	18.78575	50.0	1057163.0	0.150286	Y
6	IC 410-713065/17	250.0	38.003627	50.0	1128712.0	0.152015	Y
7	IC 410-713065/18	750.0	111.612777	50.0	1178551.0	0.148817	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

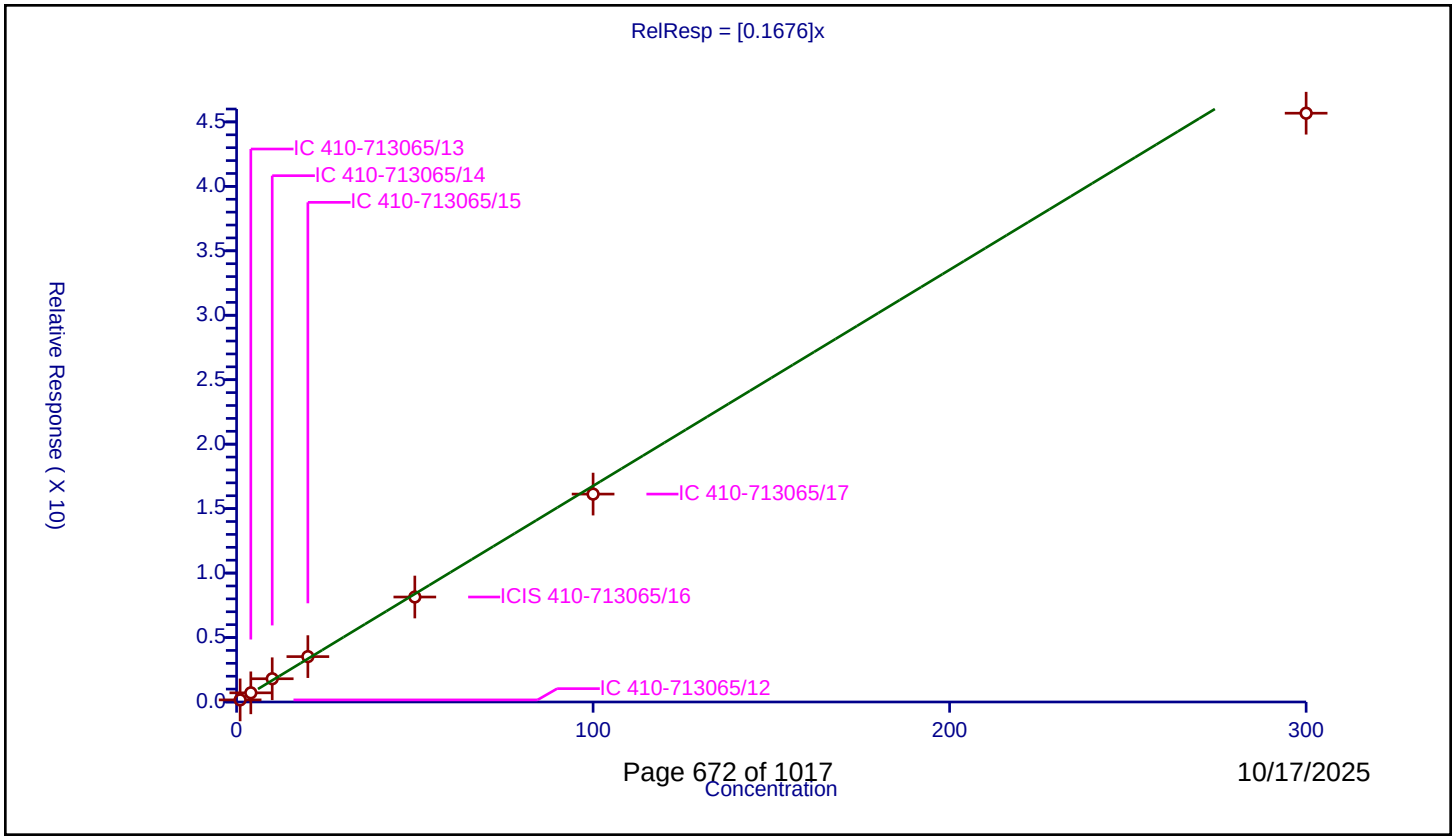
Curve Coefficients

Intercept:	0
Slope:	0.1676

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.163118	50.0	995904.0	0.163118	Y
2	IC 410-713065/13	4.0	0.710719	50.0	978586.0	0.17768	Y
3	IC 410-713065/14	10.0	1.802071	50.0	1037501.0	0.180207	Y
4	IC 410-713065/15	20.0	3.520662	50.0	1043014.0	0.176033	Y
5	ICIS 410-713065/16	50.0	8.142595	50.0	1057163.0	0.162852	Y
6	IC 410-713065/17	100.0	16.127985	50.0	1128712.0	0.16128	Y
7	IC 410-713065/18	300.0	45.67507	50.0	1178551.0	0.15225	Y



Calibration / Tetrahydrofuran

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

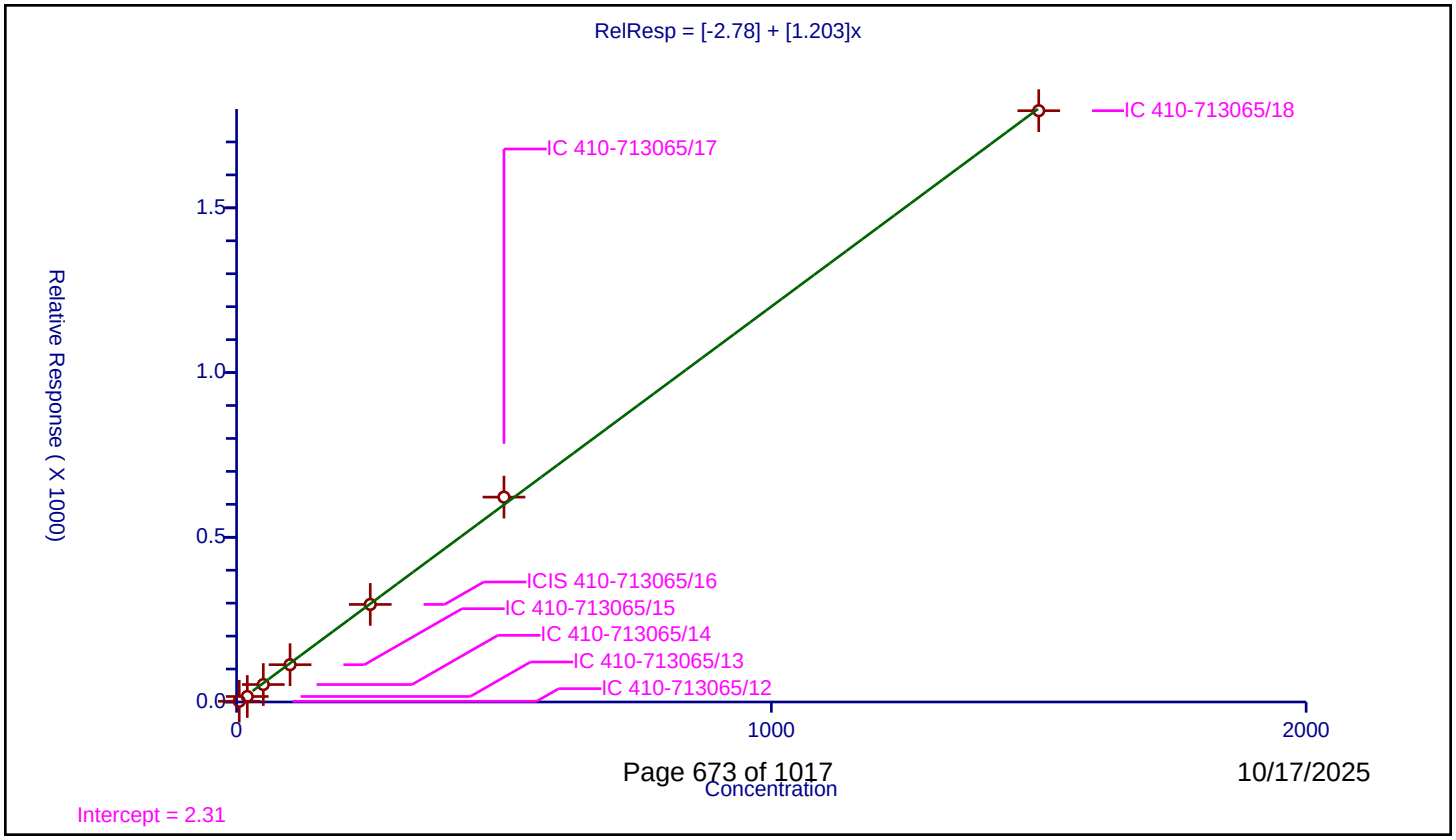
Curve Coefficients

Intercept:	-2.78
Slope:	1.203

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	5.0	2.119959	250.0	182079.0	0.423992	Y
2	IC 410-713065/13	20.0	16.686493	250.0	191667.0	0.834325	Y
3	IC 410-713065/14	50.0	52.958664	250.0	197961.0	1.059173	Y
4	IC 410-713065/15	100.0	113.235661	250.0	200500.0	1.132357	Y
5	ICIS 410-713065/16	250.0	296.175862	250.0	211734.0	1.184703	Y
6	IC 410-713065/17	500.0	621.915403	250.0	222679.0	1.243831	Y
7	IC 410-713065/18	1500.0	1794.932651	250.0	243954.0	1.196622	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

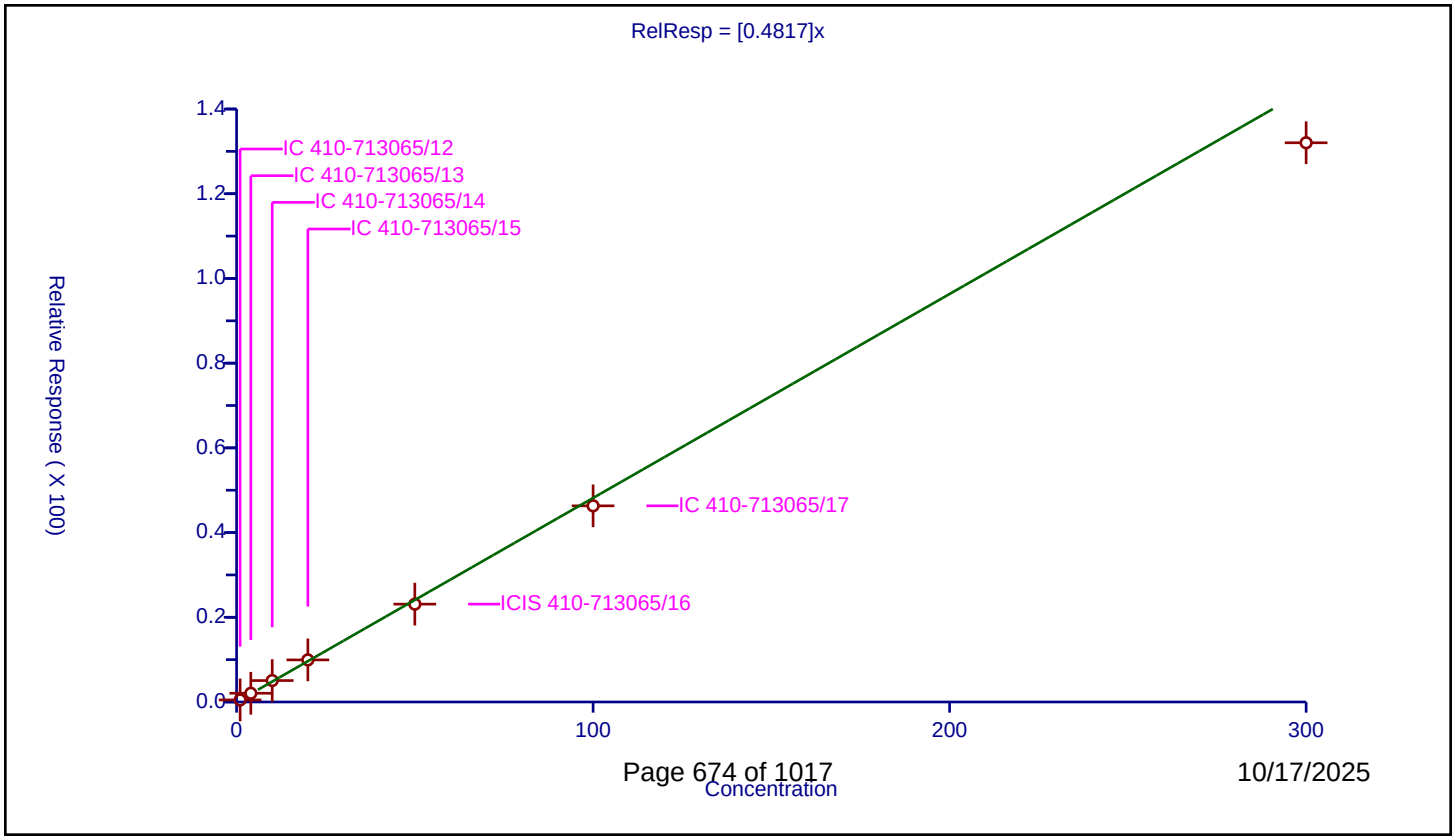
Curve Coefficients

Intercept:	0
Slope:	0.4817

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.487999	50.0	995904.0	0.487999	Y
2	IC 410-713065/13	4.0	2.061648	50.0	978586.0	0.515412	Y
3	IC 410-713065/14	10.0	5.060525	50.0	1037501.0	0.506053	Y
4	IC 410-713065/15	20.0	9.938649	50.0	1043014.0	0.496932	Y
5	ICIS 410-713065/16	50.0	23.101972	50.0	1057163.0	0.462039	Y
6	IC 410-713065/17	100.0	46.3127	50.0	1128712.0	0.463127	Y
7	IC 410-713065/18	300.0	132.030095	50.0	1178551.0	0.4401	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

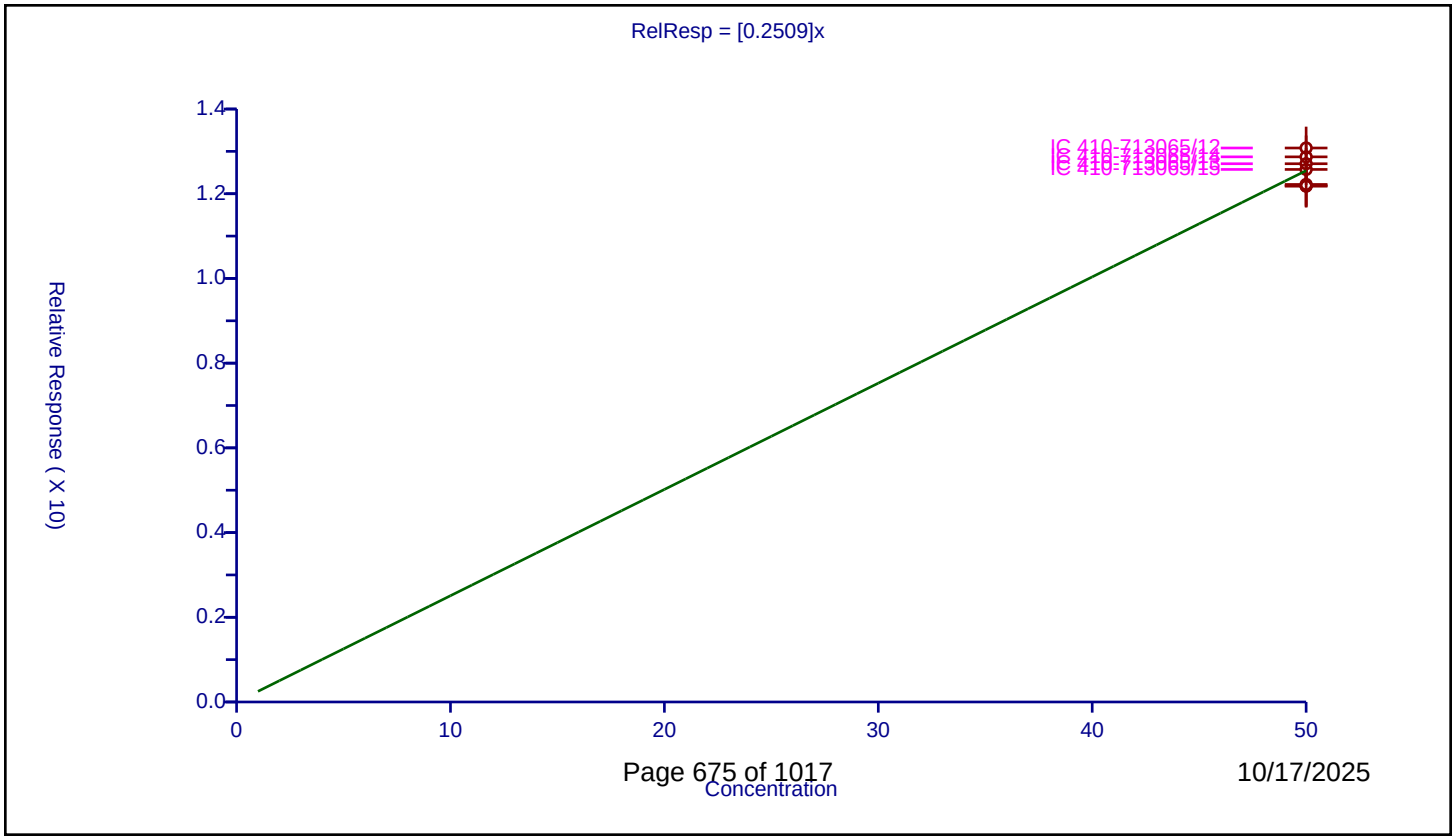
Curve Coefficients

Intercept:	0
Slope:	0.2509

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	50.0	13.079524	50.0	995904.0	0.26159	Y
2	IC 410-713065/13	50.0	12.707825	50.0	978586.0	0.254157	Y
3	IC 410-713065/14	50.0	12.870204	50.0	1037501.0	0.257404	Y
4	IC 410-713065/15	50.0	12.573081	50.0	1043014.0	0.251462	Y
5	ICIS 410-713065/16	50.0	12.219071	50.0	1057163.0	0.244381	Y
6	IC 410-713065/17	50.0	12.188849	50.0	1128712.0	0.243777	Y
7	IC 410-713065/18	50.0	12.178472	50.0	1178551.0	0.243569	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

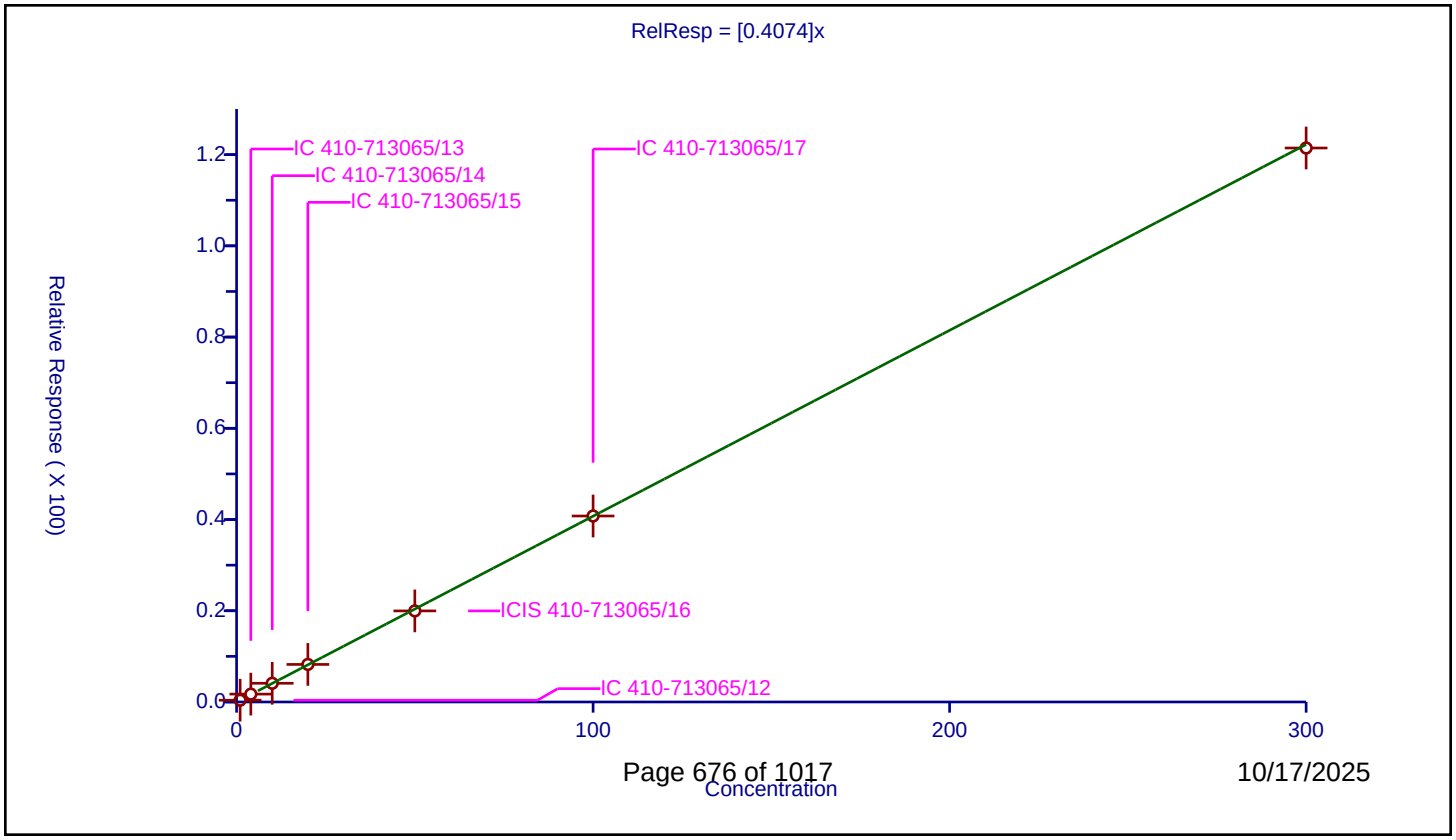
Curve Coefficients

Intercept:	0
Slope:	0.4074

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.386533	50.0	995904.0	0.386533	Y
2	IC 410-713065/13	4.0	1.7255	50.0	978586.0	0.431375	Y
3	IC 410-713065/14	10.0	4.102117	50.0	1037501.0	0.410212	Y
4	IC 410-713065/15	20.0	8.235987	50.0	1043014.0	0.411799	Y
5	ICIS 410-713065/16	50.0	19.966126	50.0	1057163.0	0.399323	Y
6	IC 410-713065/17	100.0	40.774396	50.0	1128712.0	0.407744	Y
7	IC 410-713065/18	300.0	121.451638	50.0	1178551.0	0.404839	Y



10/17/2025

Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

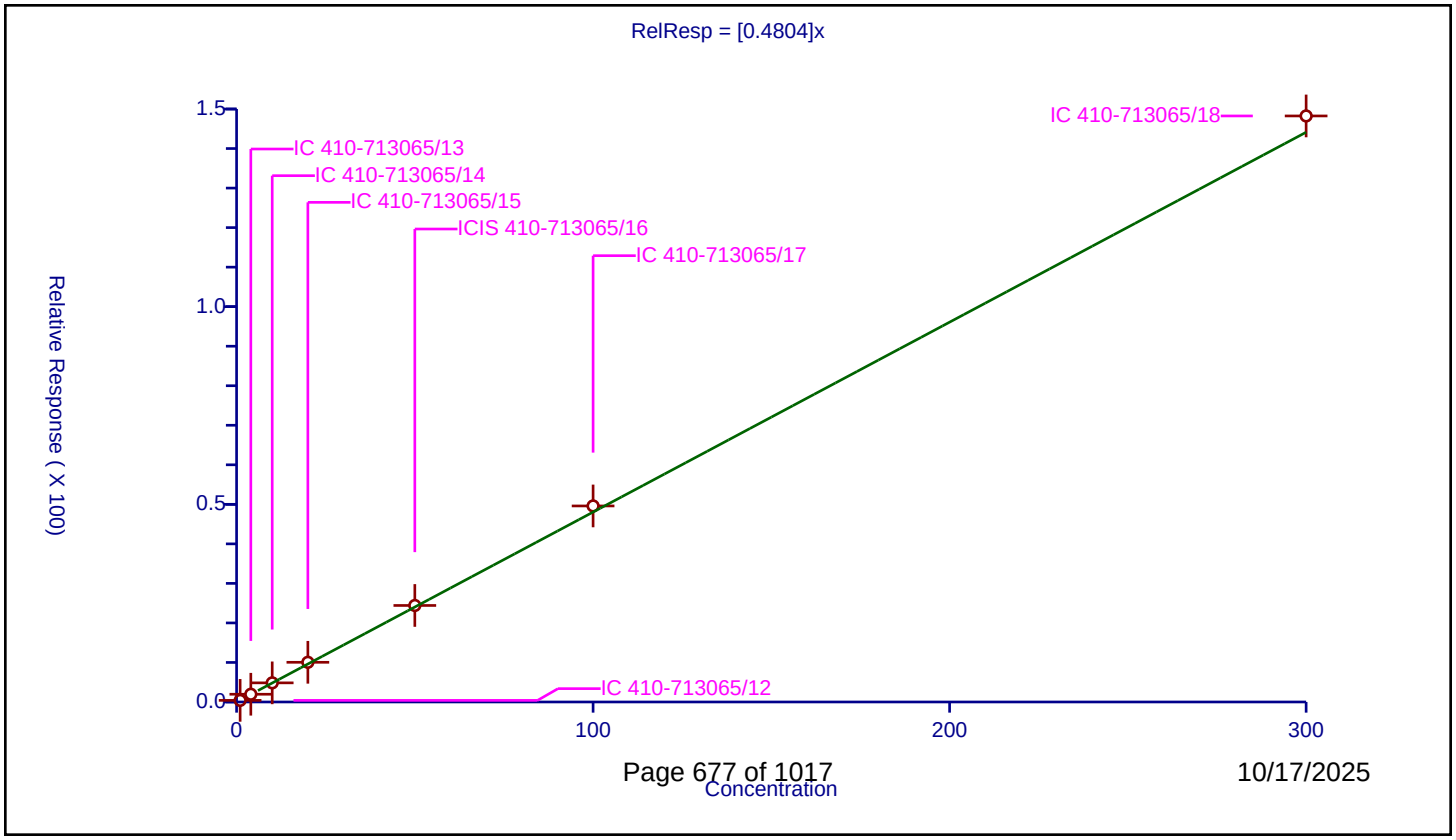
Curve Coefficients

Intercept:	0
Slope:	0.4804

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.408222	50.0	995904.0	0.408222	Y
2	IC 410-713065/13	4.0	1.961504	50.0	978586.0	0.490376	Y
3	IC 410-713065/14	10.0	4.838212	50.0	1037501.0	0.483821	Y
4	IC 410-713065/15	20.0	10.042291	50.0	1043014.0	0.502115	Y
5	ICIS 410-713065/16	50.0	24.415109	50.0	1057163.0	0.488302	Y
6	IC 410-713065/17	100.0	49.588159	50.0	1128712.0	0.495882	Y
7	IC 410-713065/18	300.0	148.243054	50.0	1178551.0	0.494144	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

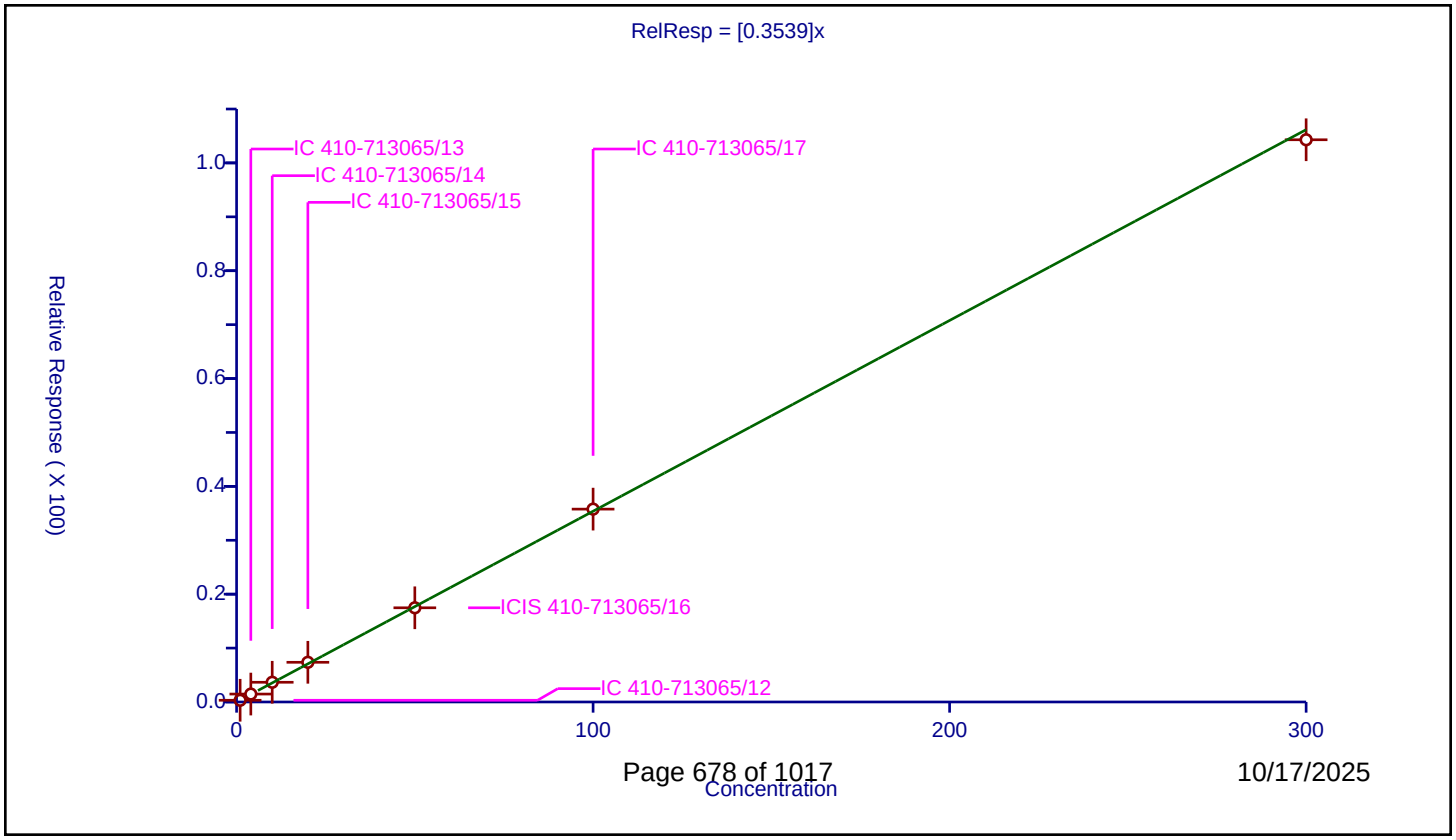
Curve Coefficients

Intercept:	0
Slope:	0.3539

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.320764	50.0	995904.0	0.320764	Y
2	IC 410-713065/13	4.0	1.471	50.0	978586.0	0.36775	Y
3	IC 410-713065/14	10.0	3.655707	50.0	1037501.0	0.365571	Y
4	IC 410-713065/15	20.0	7.363803	50.0	1043014.0	0.36819	Y
5	ICIS 410-713065/16	50.0	17.473133	50.0	1057163.0	0.349463	Y
6	IC 410-713065/17	100.0	35.779499	50.0	1128712.0	0.357795	Y
7	IC 410-713065/18	300.0	104.29782	50.0	1178551.0	0.347659	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

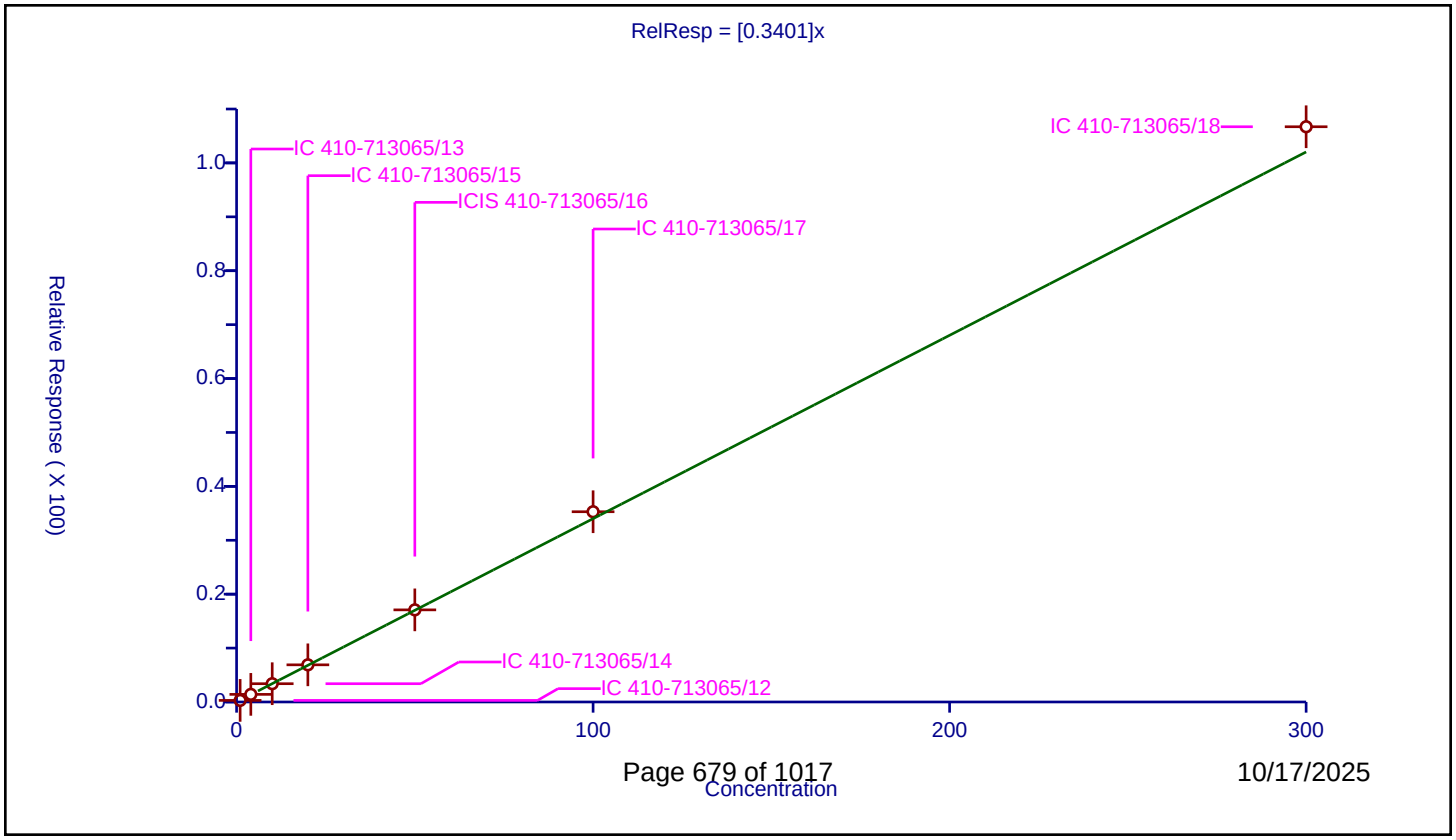
Curve Coefficients

Intercept:	0
Slope:	0.3401

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.293653	50.0	995904.0	0.293653	Y
2	IC 410-713065/13	4.0	1.412702	50.0	978586.0	0.353175	Y
3	IC 410-713065/14	10.0	3.389683	50.0	1037501.0	0.338968	Y
4	IC 410-713065/15	20.0	6.892525	50.0	1043014.0	0.344626	Y
5	ICIS 410-713065/16	50.0	17.087573	50.0	1057163.0	0.341751	Y
6	IC 410-713065/17	100.0	35.290623	50.0	1128712.0	0.352906	Y
7	IC 410-713065/18	300.0	106.708237	50.0	1178551.0	0.355694	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

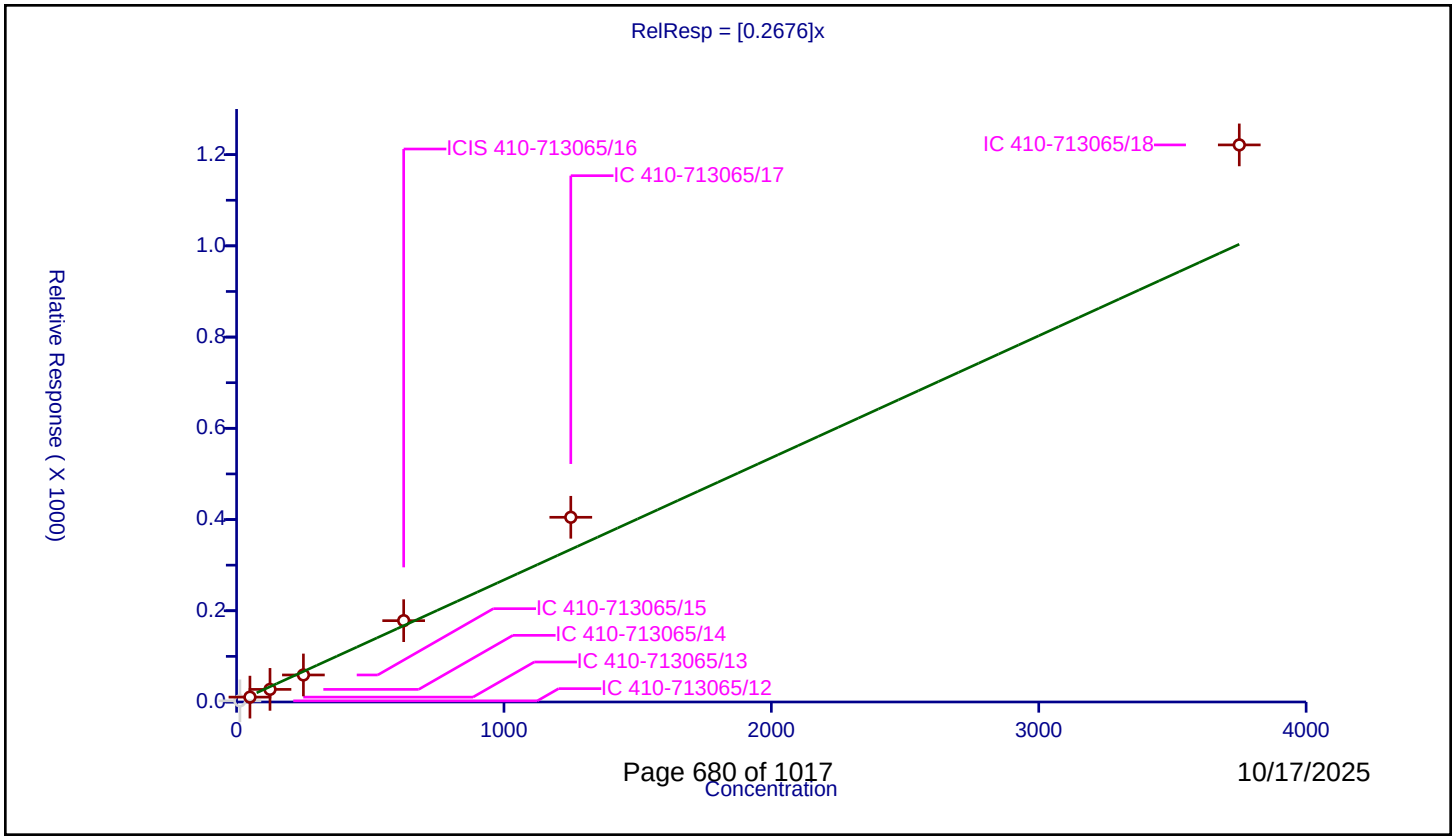
Curve Coefficients

Intercept:	0
Slope:	0.2676

Error Coefficients

Relative Standard Deviation:	19.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	12.5	2.526376	250.0	182079.0	0.20211	N
2	IC 410-713065/13	50.0	10.642155	250.0	191667.0	0.212843	Y
3	IC 410-713065/14	125.0	27.622865	250.0	197961.0	0.220983	Y
4	IC 410-713065/15	250.0	59.244389	250.0	200500.0	0.236978	Y
5	ICIS 410-713065/16	625.0	178.30391	250.0	211734.0	0.285286	Y
6	IC 410-713065/17	1250.0	404.91133	250.0	222679.0	0.323929	Y
7	IC 410-713065/18	3750.0	1221.298892	250.0	243954.0	0.32568	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

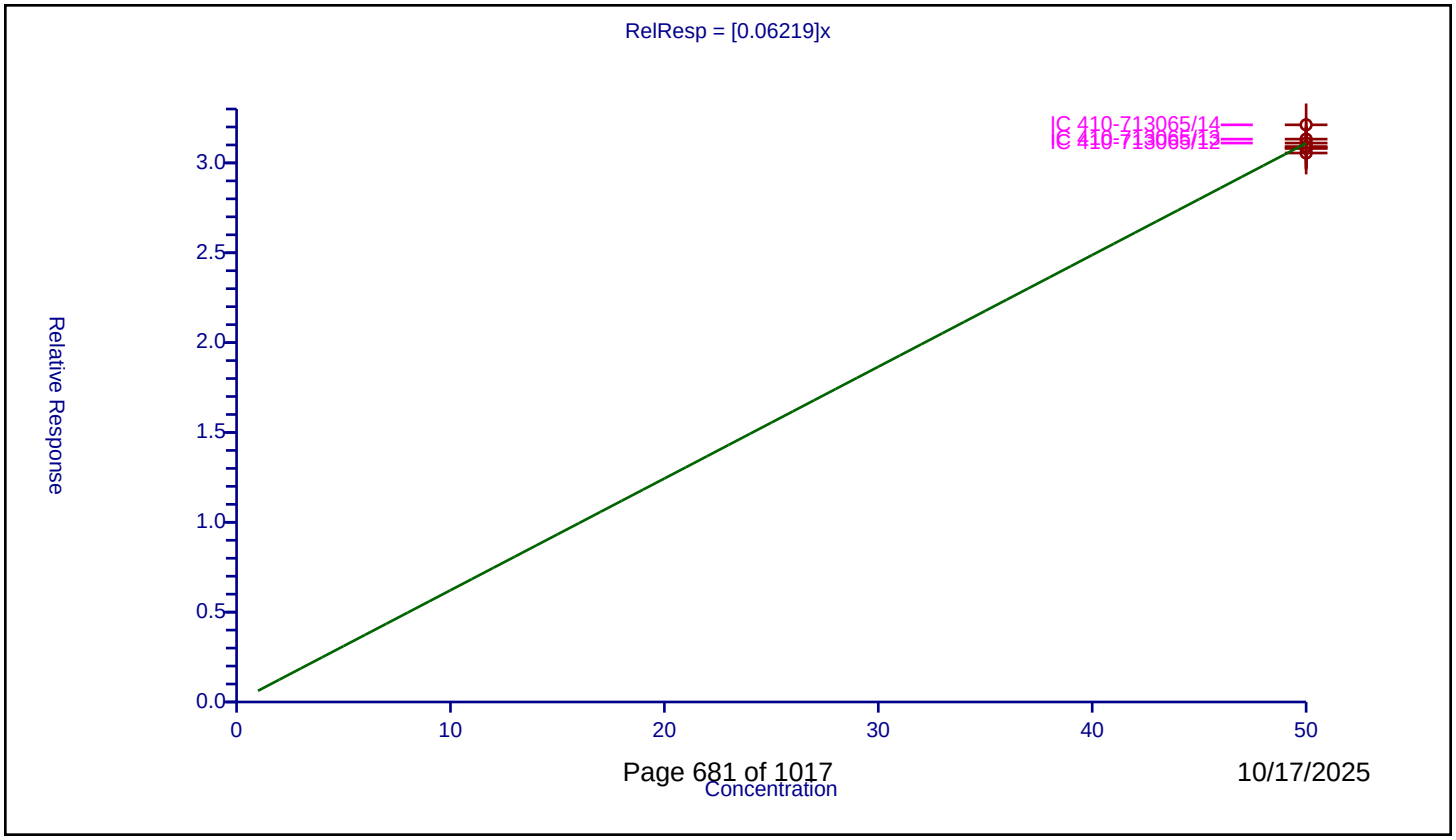
Curve Coefficients

Intercept:	0
Slope:	0.06219

Error Coefficients

Relative Standard Deviation:	1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	50.0	3.110491	50.0	995904.0	0.06221	Y
2	IC 410-713065/13	50.0	3.132377	50.0	978586.0	0.062648	Y
3	IC 410-713065/14	50.0	3.212045	50.0	1037501.0	0.064241	Y
4	IC 410-713065/15	50.0	3.091234	50.0	1043014.0	0.061825	Y
5	ICIS 410-713065/16	50.0	3.055111	50.0	1057163.0	0.061102	Y
6	IC 410-713065/17	50.0	3.080325	50.0	1128712.0	0.061607	Y
7	IC 410-713065/18	50.0	3.084211	50.0	1178551.0	0.061684	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

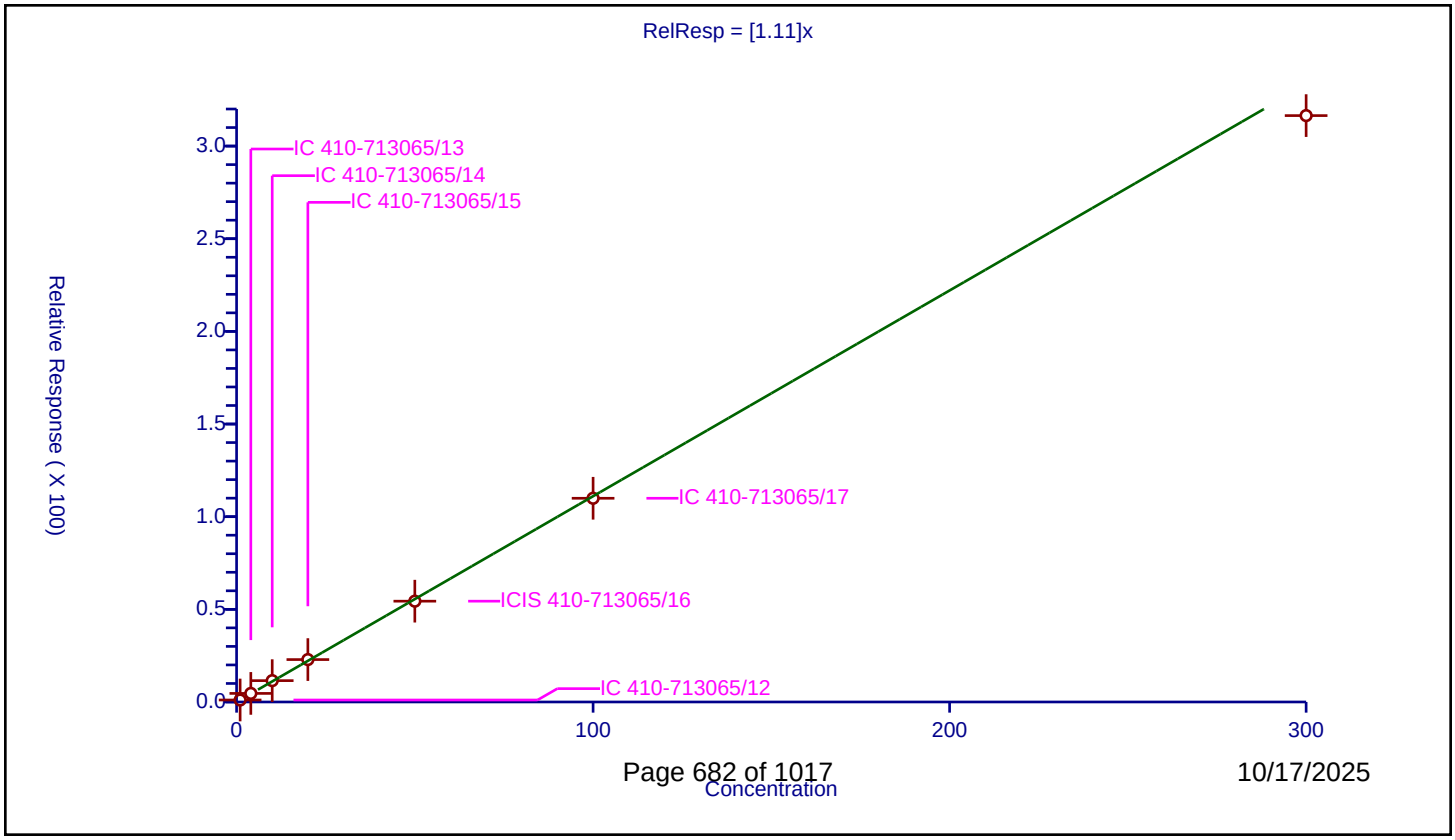
Curve Coefficients

Intercept:	0
Slope:	1.11

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	1.076359	50.0	995904.0	1.076359	Y
2	IC 410-713065/13	4.0	4.632858	50.0	978586.0	1.158215	Y
3	IC 410-713065/14	10.0	11.516953	50.0	1037501.0	1.151695	Y
4	IC 410-713065/15	20.0	22.881572	50.0	1043014.0	1.144079	Y
5	ICIS 410-713065/16	50.0	54.409254	50.0	1057163.0	1.088185	Y
6	IC 410-713065/17	100.0	109.945052	50.0	1128712.0	1.099451	Y
7	IC 410-713065/18	300.0	316.447485	50.0	1178551.0	1.054825	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

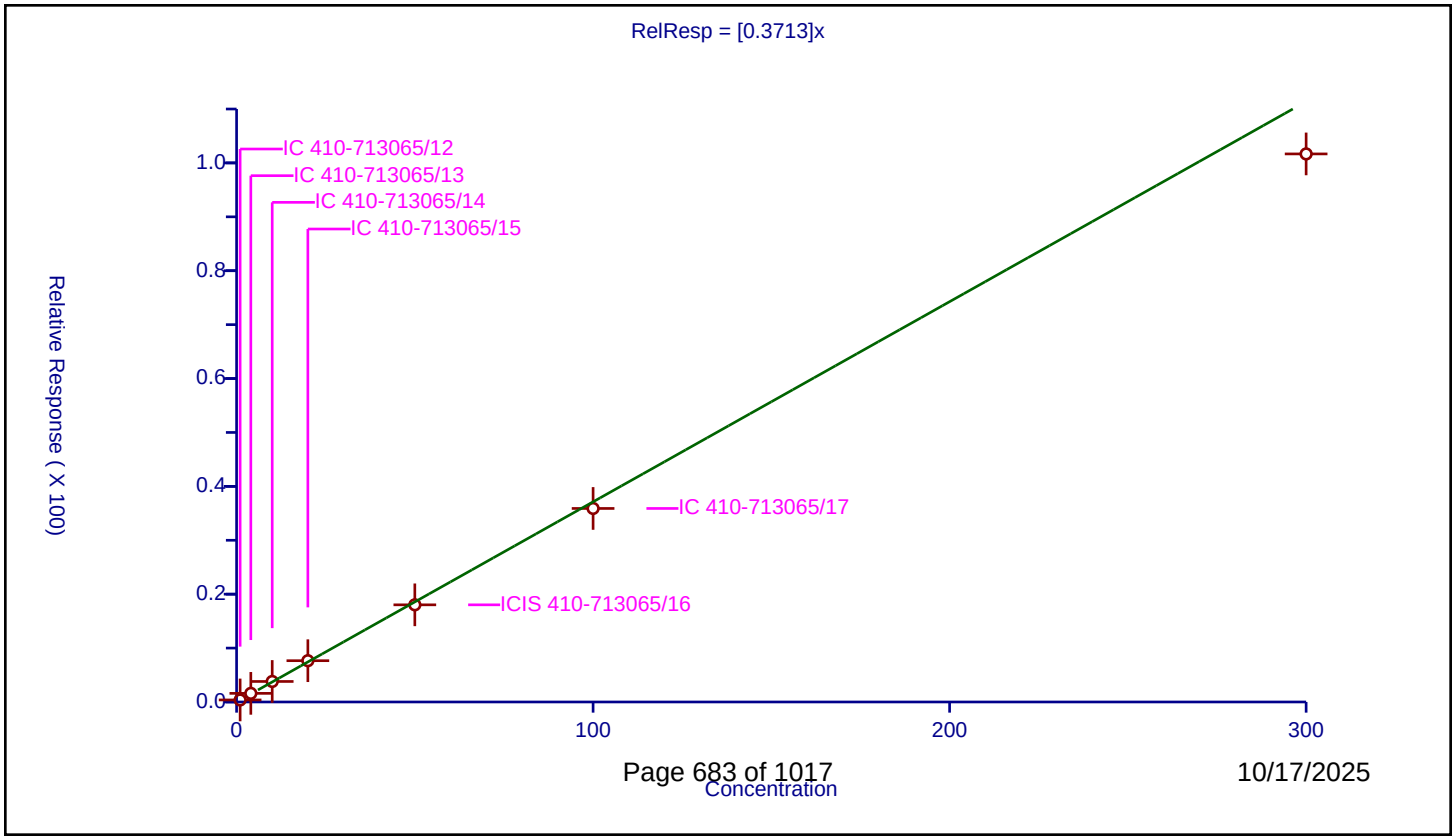
Curve Coefficients

Intercept:	0
Slope:	0.3713

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.377145	50.0	995904.0	0.377145	Y
2	IC 410-713065/13	4.0	1.599093	50.0	978586.0	0.399773	Y
3	IC 410-713065/14	10.0	3.806695	50.0	1037501.0	0.38067	Y
4	IC 410-713065/15	20.0	7.659533	50.0	1043014.0	0.382977	Y
5	ICIS 410-713065/16	50.0	18.025697	50.0	1057163.0	0.360514	Y
6	IC 410-713065/17	100.0	35.903756	50.0	1128712.0	0.359038	Y
7	IC 410-713065/18	300.0	101.671162	50.0	1178551.0	0.338904	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

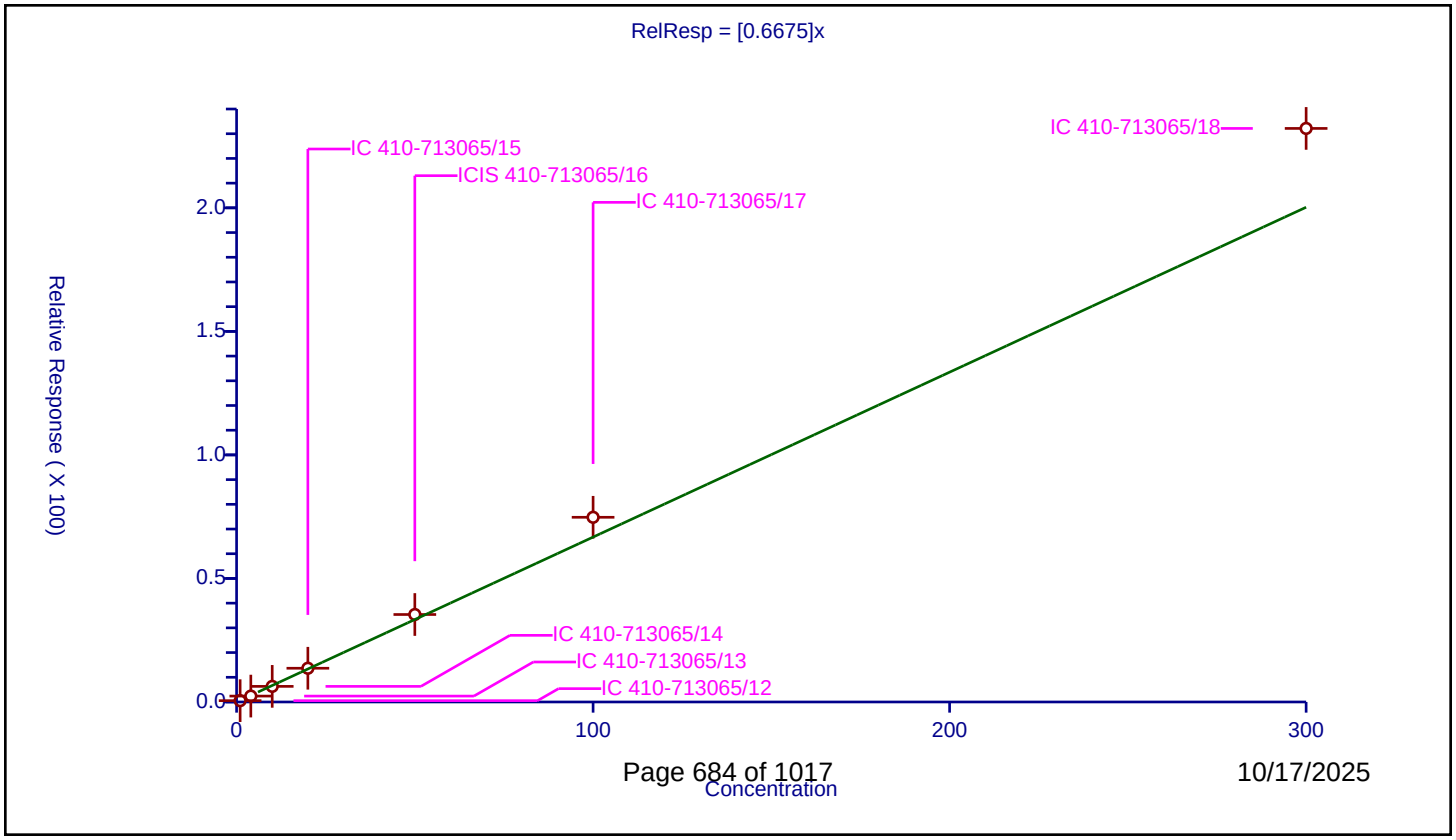
Curve Coefficients

Intercept:	0
Slope:	0.6675

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.531176	50.0	995904.0	0.531176	Y
2	IC 410-713065/13	4.0	2.389162	50.0	978586.0	0.59729	Y
3	IC 410-713065/14	10.0	6.314307	50.0	1037501.0	0.631431	Y
4	IC 410-713065/15	20.0	13.655761	50.0	1043014.0	0.682788	Y
5	ICIS 410-713065/16	50.0	35.411096	50.0	1057163.0	0.708222	Y
6	IC 410-713065/17	100.0	74.755651	50.0	1128712.0	0.747557	Y
7	IC 410-713065/18	300.0	232.146212	50.0	1178551.0	0.773821	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

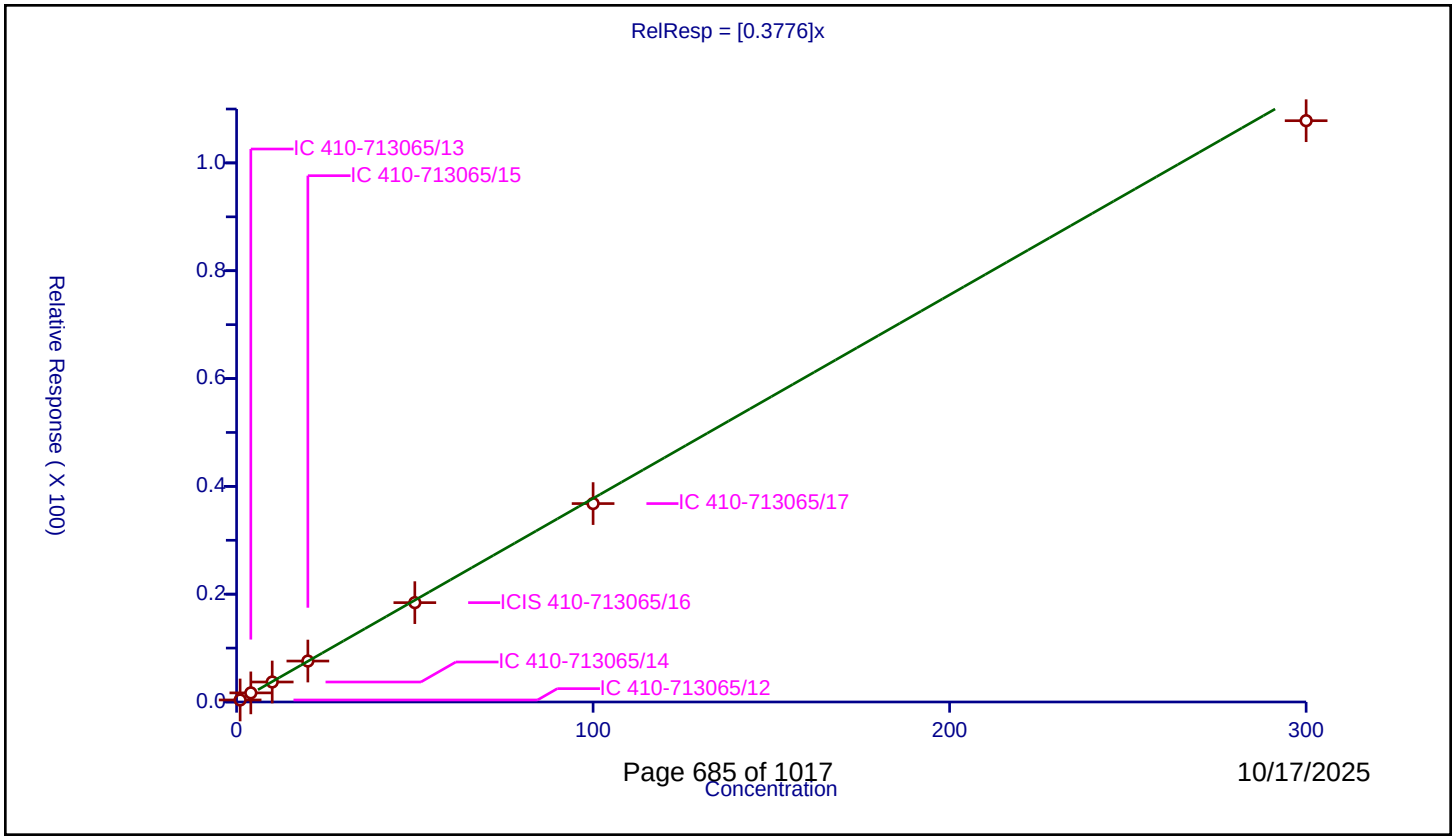
Curve Coefficients

Intercept:	0
Slope:	0.3776

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.375036	50.0	995904.0	0.375036	Y
2	IC 410-713065/13	4.0	1.687128	50.0	978586.0	0.421782	Y
3	IC 410-713065/14	10.0	3.706551	50.0	1037501.0	0.370655	Y
4	IC 410-713065/15	20.0	7.595392	50.0	1043014.0	0.37977	Y
5	ICIS 410-713065/16	50.0	18.427527	50.0	1057163.0	0.368551	Y
6	IC 410-713065/17	100.0	36.807219	50.0	1128712.0	0.368072	Y
7	IC 410-713065/18	300.0	107.832457	50.0	1178551.0	0.359442	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

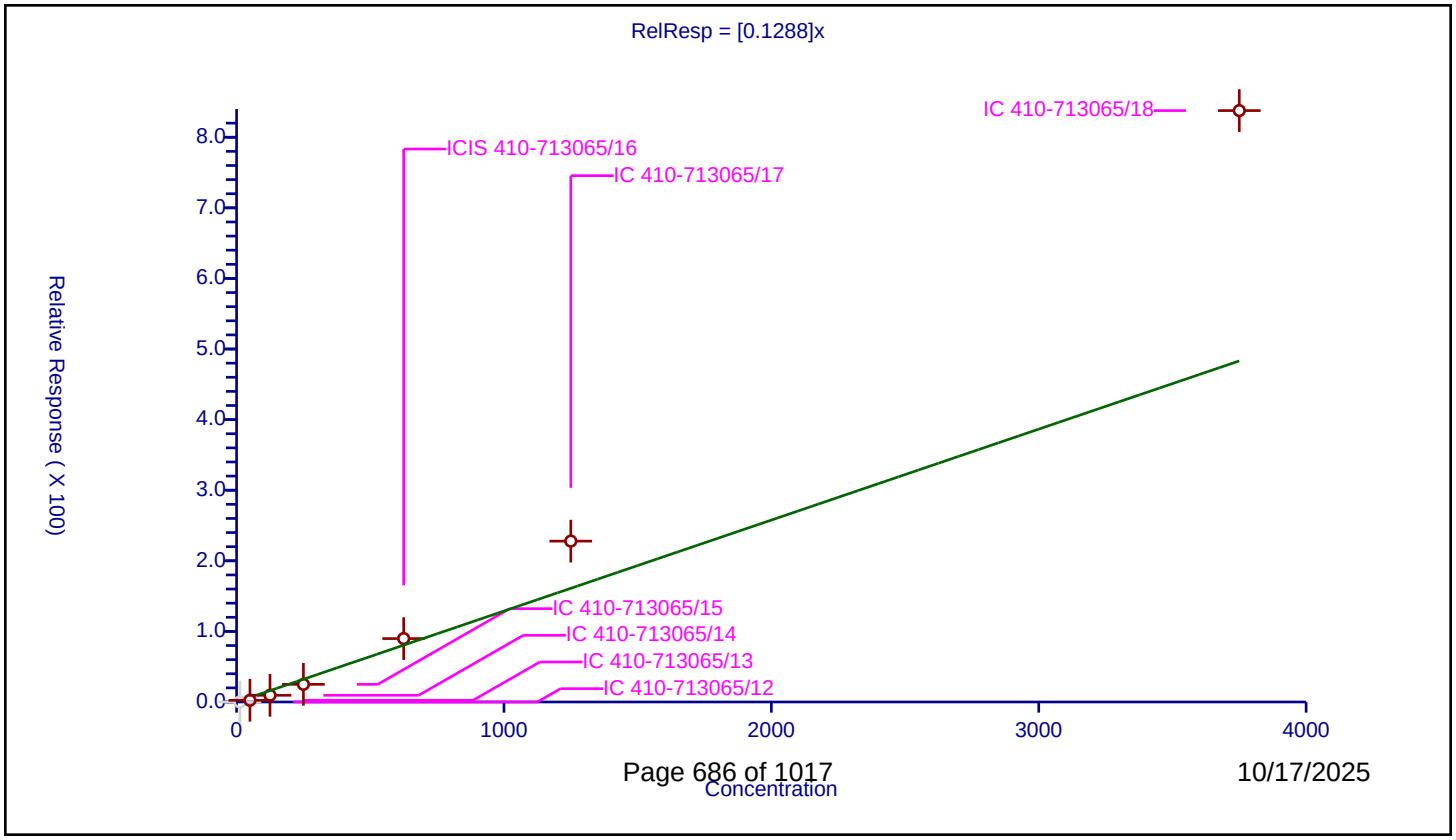
Curve Coefficients

Intercept:	0
Slope:	0.1288

Error Coefficients

Relative Standard Deviation:	51.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	12.5	0.0	250.0	182079.0	0.0	N
2	IC 410-713065/13	50.0	2.389561	250.0	191667.0	0.047791	Y
3	IC 410-713065/14	125.0	9.498083	250.0	197961.0	0.075985	Y
4	IC 410-713065/15	250.0	24.973815	250.0	200500.0	0.099895	Y
5	ICIS 410-713065/16	625.0	89.802535	250.0	211734.0	0.143684	Y
6	IC 410-713065/17	1250.0	227.881839	250.0	222679.0	0.182305	Y
7	IC 410-713065/18	3750.0	837.762447	250.0	243954.0	0.223403	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

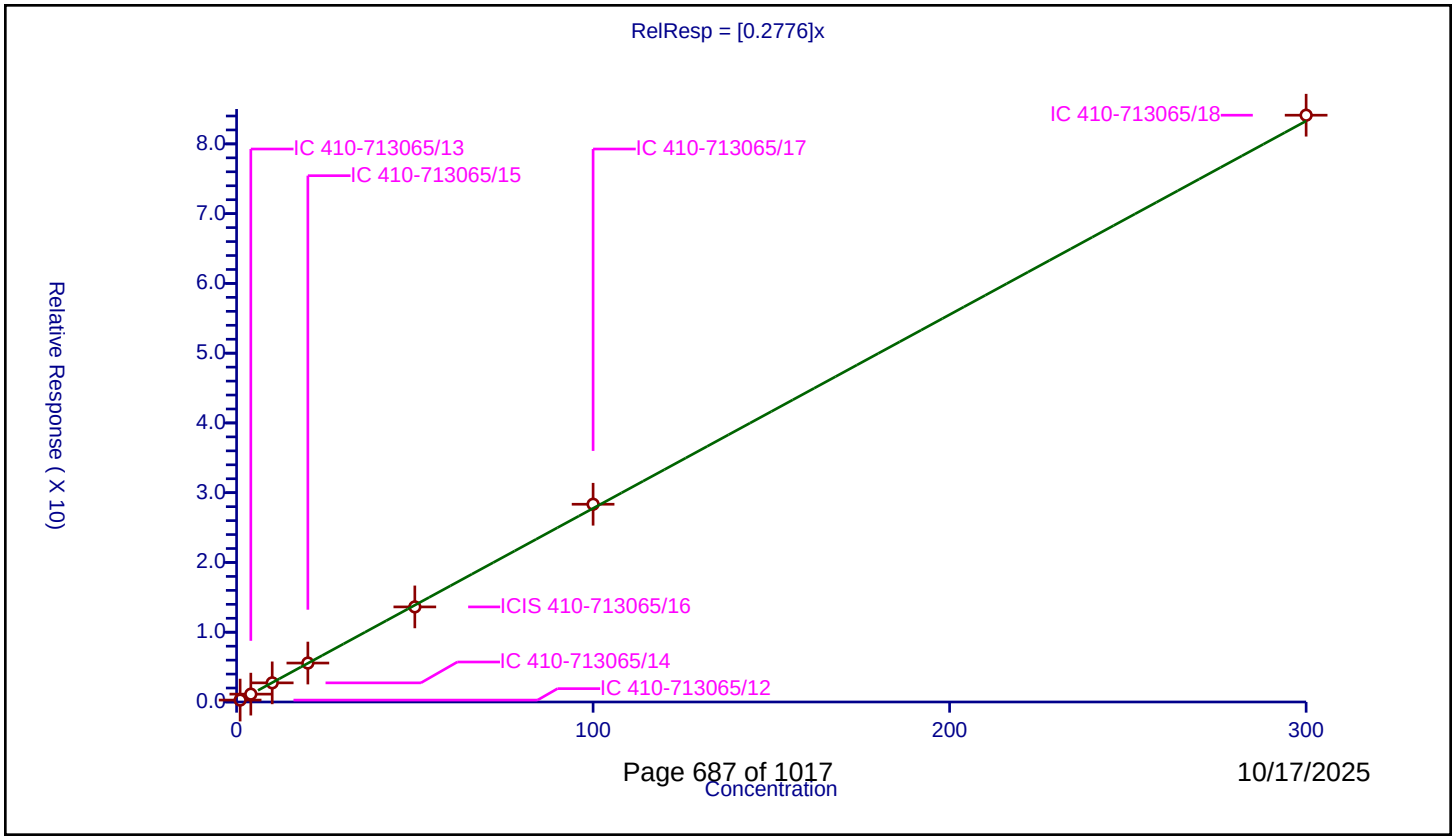
Curve Coefficients

Intercept:	0
Slope:	0.2776

Error Coefficients

Relative Standard Deviation:	1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.271613	50.0	995904.0	0.271613	Y
2	IC 410-713065/13	4.0	1.12729	50.0	978586.0	0.281822	Y
3	IC 410-713065/14	10.0	2.742937	50.0	1037501.0	0.274294	Y
4	IC 410-713065/15	20.0	5.581037	50.0	1043014.0	0.279052	Y
5	ICIS 410-713065/16	50.0	13.630679	50.0	1057163.0	0.272614	Y
6	IC 410-713065/17	100.0	28.347355	50.0	1128712.0	0.283474	Y
7	IC 410-713065/18	300.0	84.112779	50.0	1178551.0	0.280376	Y



Calibration / Ethyl acrylate

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

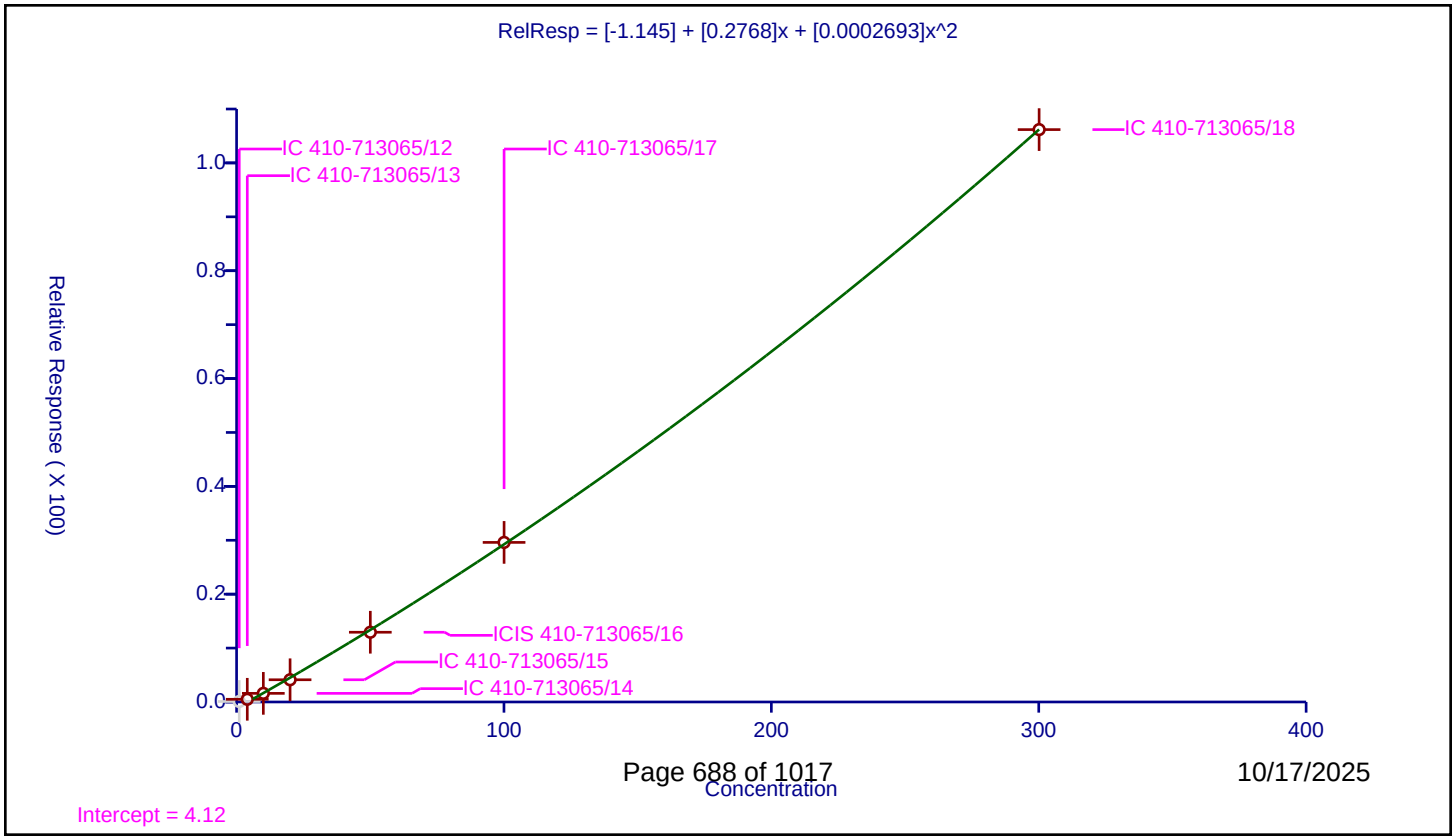
Curve Coefficients

Intercept:	-1.145
Slope:	0.2768
Second Order:	0.0002693

Error Coefficients

Relative Standard Deviation:	28.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.00048	0.091023	50.0	995904.0	0.090979	N
2	IC 410-713065/13	4.00192	0.503635	50.0	978586.0	0.125848	Y
3	IC 410-713065/14	10.0048	1.601251	50.0	1037501.0	0.160048	Y
4	IC 410-713065/15	20.0096	4.124345	50.0	1043014.0	0.206118	Y
5	ICIS 410-713065/16	50.024	12.938118	50.0	1057163.0	0.258638	Y
6	IC 410-713065/17	100.048	29.601838	50.0	1128712.0	0.295876	Y
7	IC 410-713065/18	300.144	106.179113	50.0	1178551.0	0.353761	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

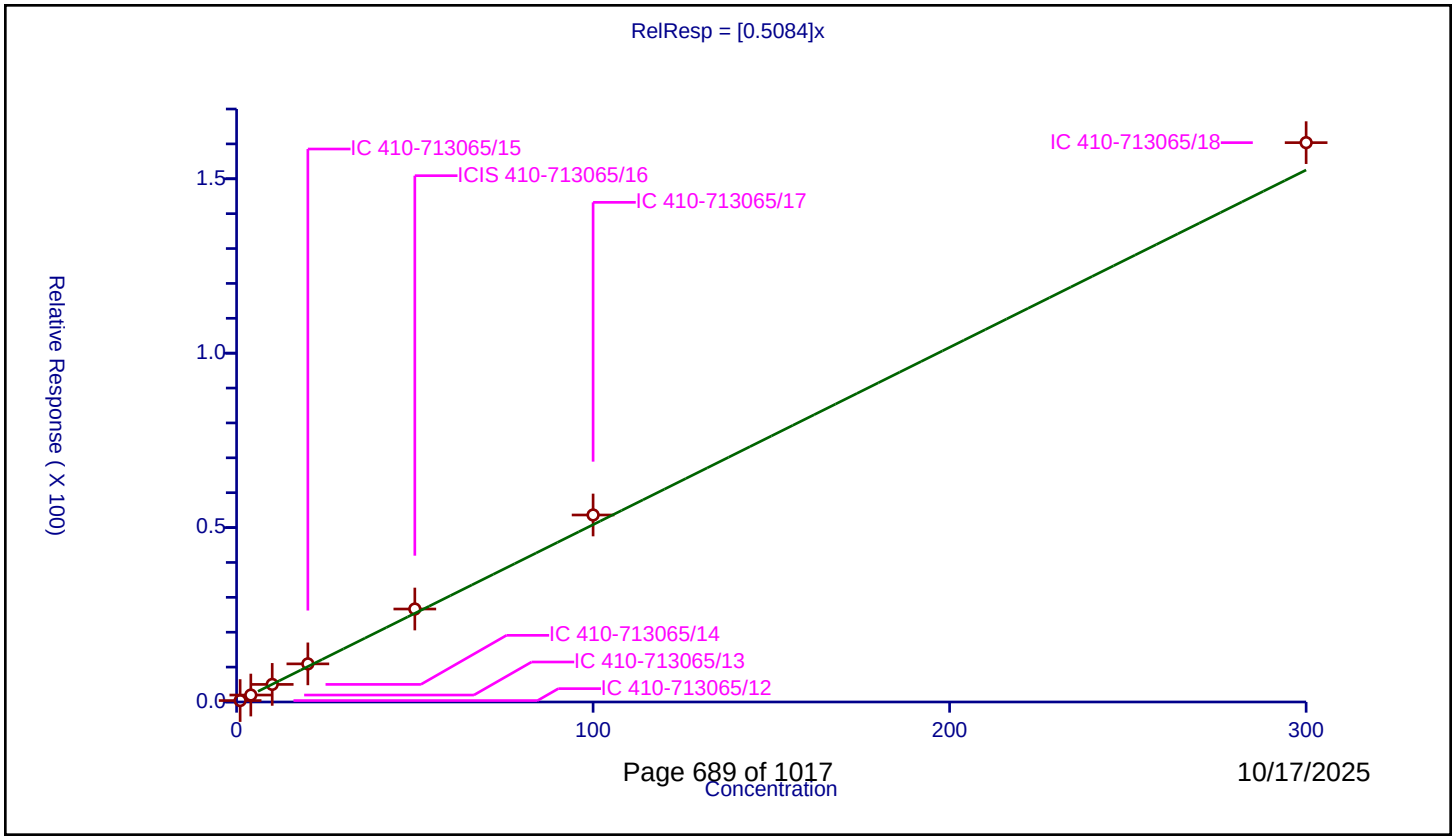
Curve Coefficients

Intercept:	0
Slope:	0.5084

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.407118	50.0	995904.0	0.407118	Y
2	IC 410-713065/13	4.0	1.987868	50.0	978586.0	0.496967	Y
3	IC 410-713065/14	10.0	5.043369	50.0	1037501.0	0.504337	Y
4	IC 410-713065/15	20.0	10.929336	50.0	1043014.0	0.546467	Y
5	ICIS 410-713065/16	50.0	26.655776	50.0	1057163.0	0.533116	Y
6	IC 410-713065/17	100.0	53.611816	50.0	1128712.0	0.536118	Y
7	IC 410-713065/18	300.0	160.362725	50.0	1178551.0	0.534542	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

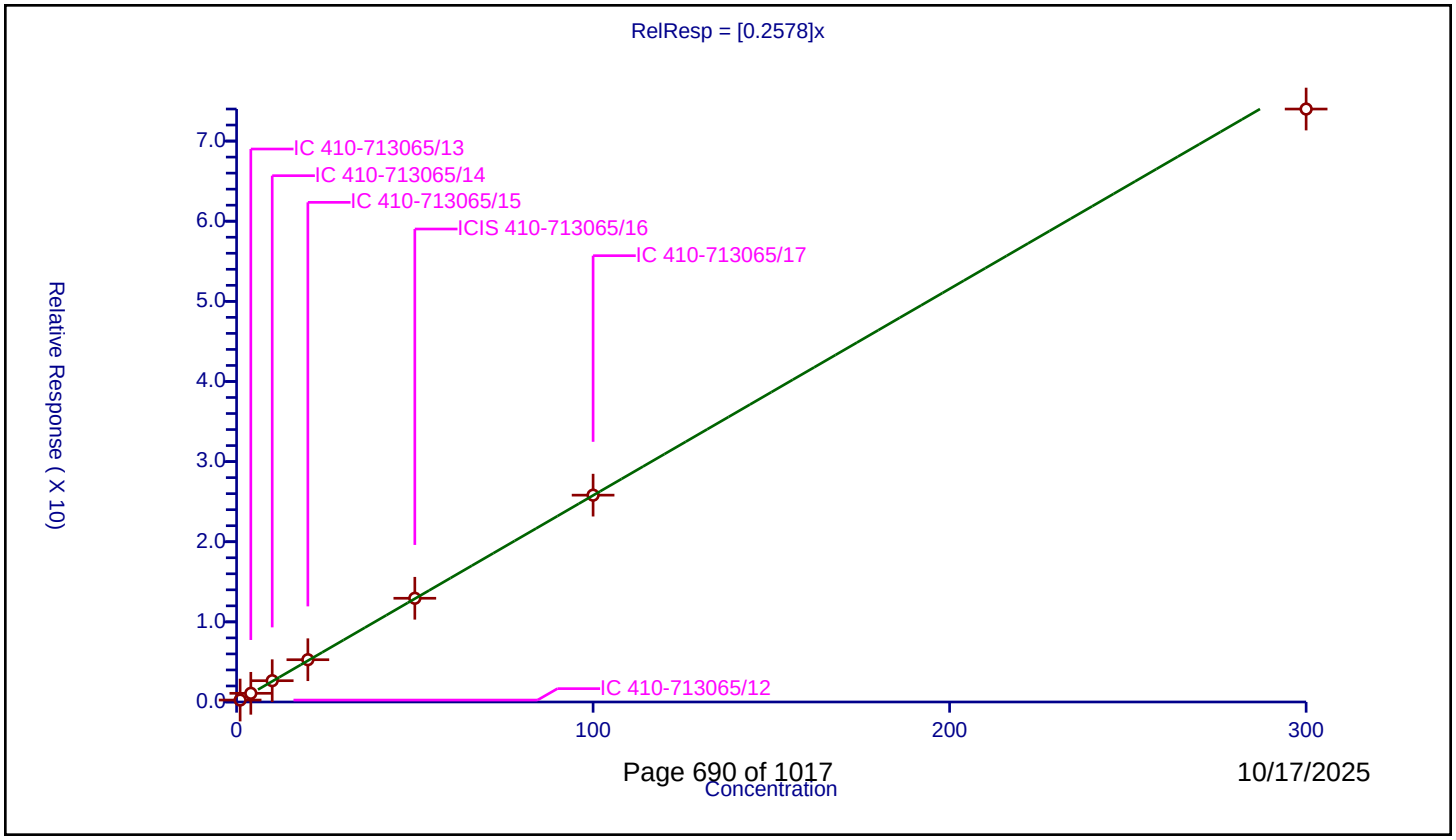
Curve Coefficients

Intercept:	0
Slope:	0.2578

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.240786	50.0	995904.0	0.240786	Y
2	IC 410-713065/13	4.0	1.082531	50.0	978586.0	0.270633	Y
3	IC 410-713065/14	10.0	2.656238	50.0	1037501.0	0.265624	Y
4	IC 410-713065/15	20.0	5.276295	50.0	1043014.0	0.263815	Y
5	ICIS 410-713065/16	50.0	12.942139	50.0	1057163.0	0.258843	Y
6	IC 410-713065/17	100.0	25.813538	50.0	1128712.0	0.258135	Y
7	IC 410-713065/18	300.0	73.99667	50.0	1178551.0	0.246656	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

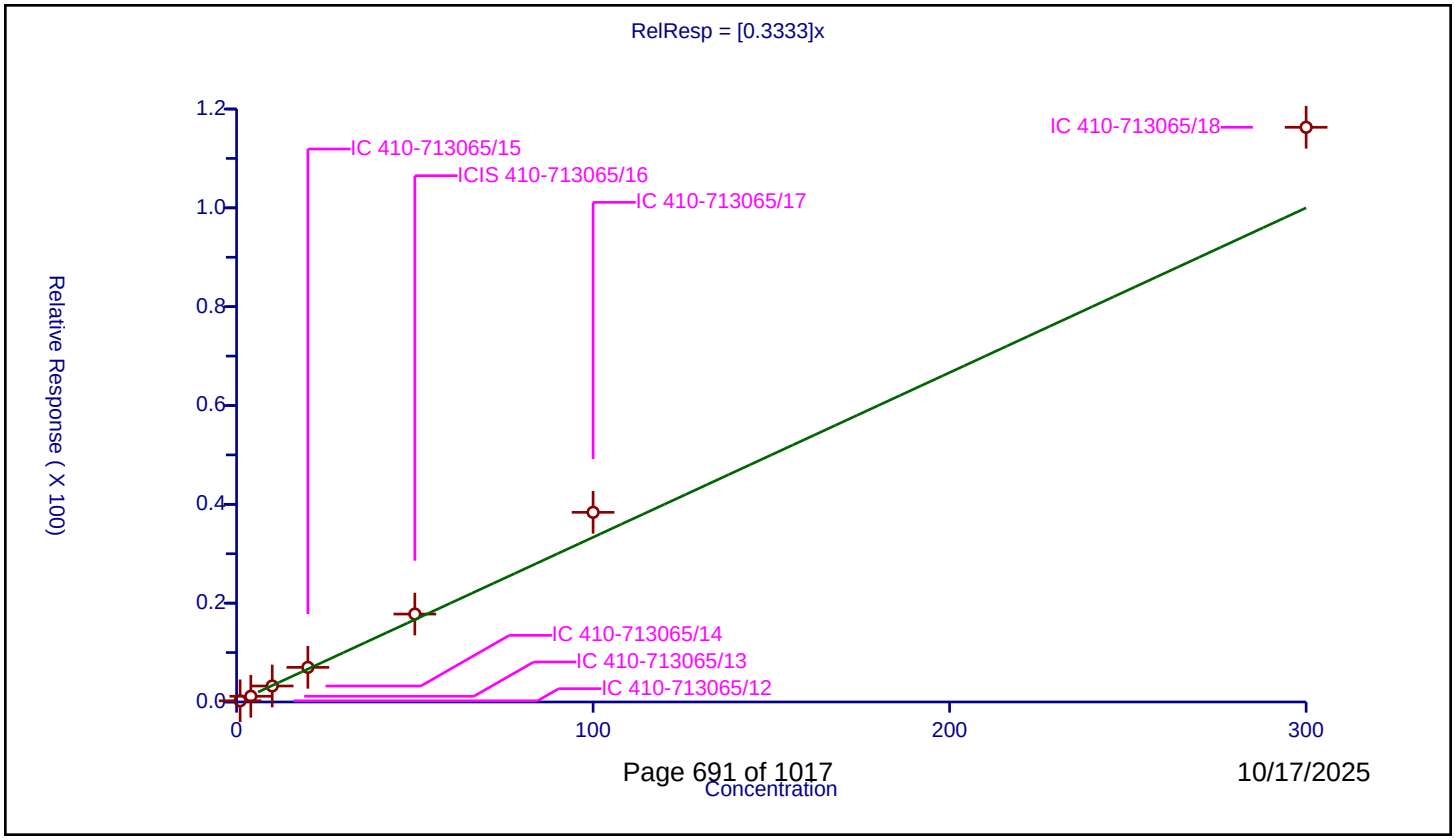
Curve Coefficients

Intercept:	0
Slope:	0.3333

Error Coefficients

Relative Standard Deviation:	15.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.242594	50.0	995904.0	0.242594	Y
2	IC 410-713065/13	4.0	1.157486	50.0	978586.0	0.289372	Y
3	IC 410-713065/14	10.0	3.235178	50.0	1037501.0	0.323518	Y
4	IC 410-713065/15	20.0	7.009014	50.0	1043014.0	0.350451	Y
5	ICIS 410-713065/16	50.0	17.796877	50.0	1057163.0	0.355938	Y
6	IC 410-713065/17	100.0	38.381048	50.0	1128712.0	0.38381	Y
7	IC 410-713065/18	300.0	116.302052	50.0	1178551.0	0.387674	Y



Calibration / Methyl methacrylate

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

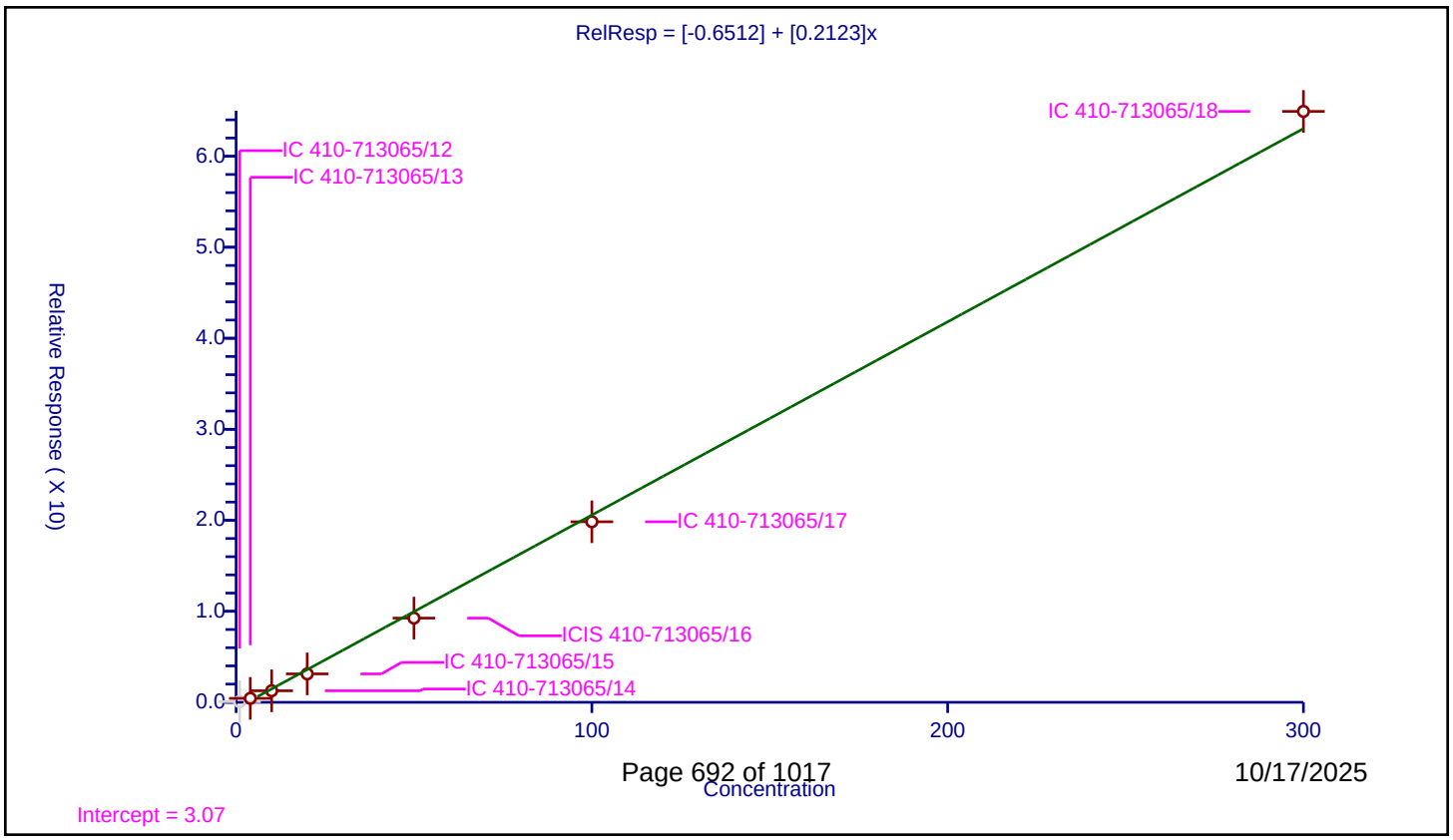
Curve Coefficients

Intercept:	-0.6512
Slope:	0.2123

Error Coefficients

Relative Standard Deviation:	16.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.06828	50.0	995904.0	0.06828	N
2	IC 410-713065/13	4.0	0.435373	50.0	978586.0	0.108843	Y
3	IC 410-713065/14	10.0	1.26742	50.0	1037501.0	0.126742	Y
4	IC 410-713065/15	20.0	3.122058	50.0	1043014.0	0.156103	Y
5	ICIS 410-713065/16	50.0	9.252357	50.0	1057163.0	0.185047	Y
6	IC 410-713065/17	100.0	19.837567	50.0	1128712.0	0.198376	Y
7	IC 410-713065/18	300.0	64.925913	50.0	1178551.0	0.21642	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

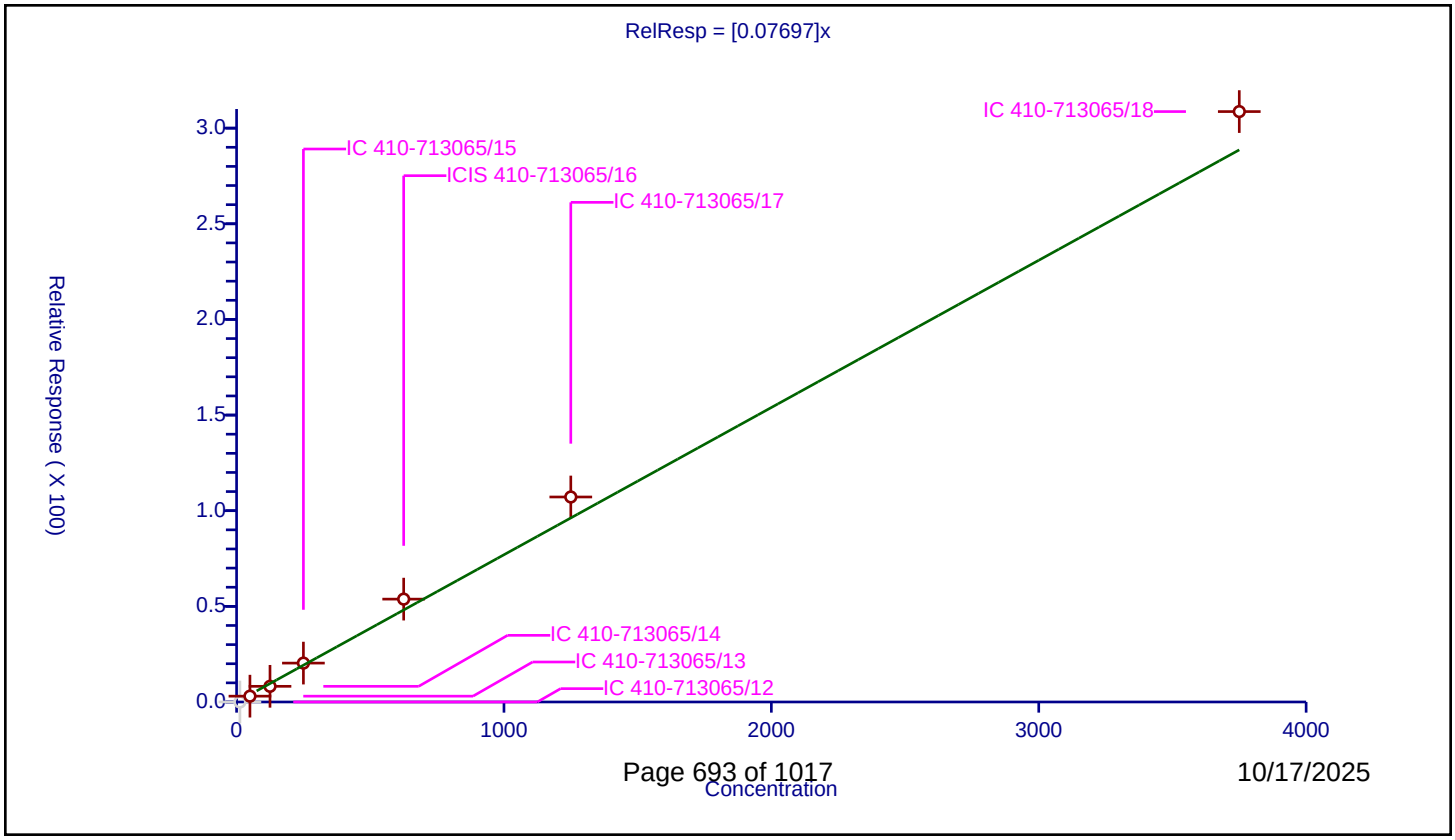
Curve Coefficients

Intercept:	0
Slope:	0.07697

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	12.5	0.0	250.0	182079.0	0.0	N
2	IC 410-713065/13	50.0	3.043038	250.0	191667.0	0.060861	Y
3	IC 410-713065/14	125.0	8.193533	250.0	197961.0	0.065548	Y
4	IC 410-713065/15	250.0	20.330424	250.0	200500.0	0.081322	Y
5	ICIS 410-713065/16	625.0	53.773839	250.0	211734.0	0.086038	Y
6	IC 410-713065/17	1250.0	107.175576	250.0	222679.0	0.08574	Y
7	IC 410-713065/18	3750.0	308.661674	250.0	243954.0	0.08231	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

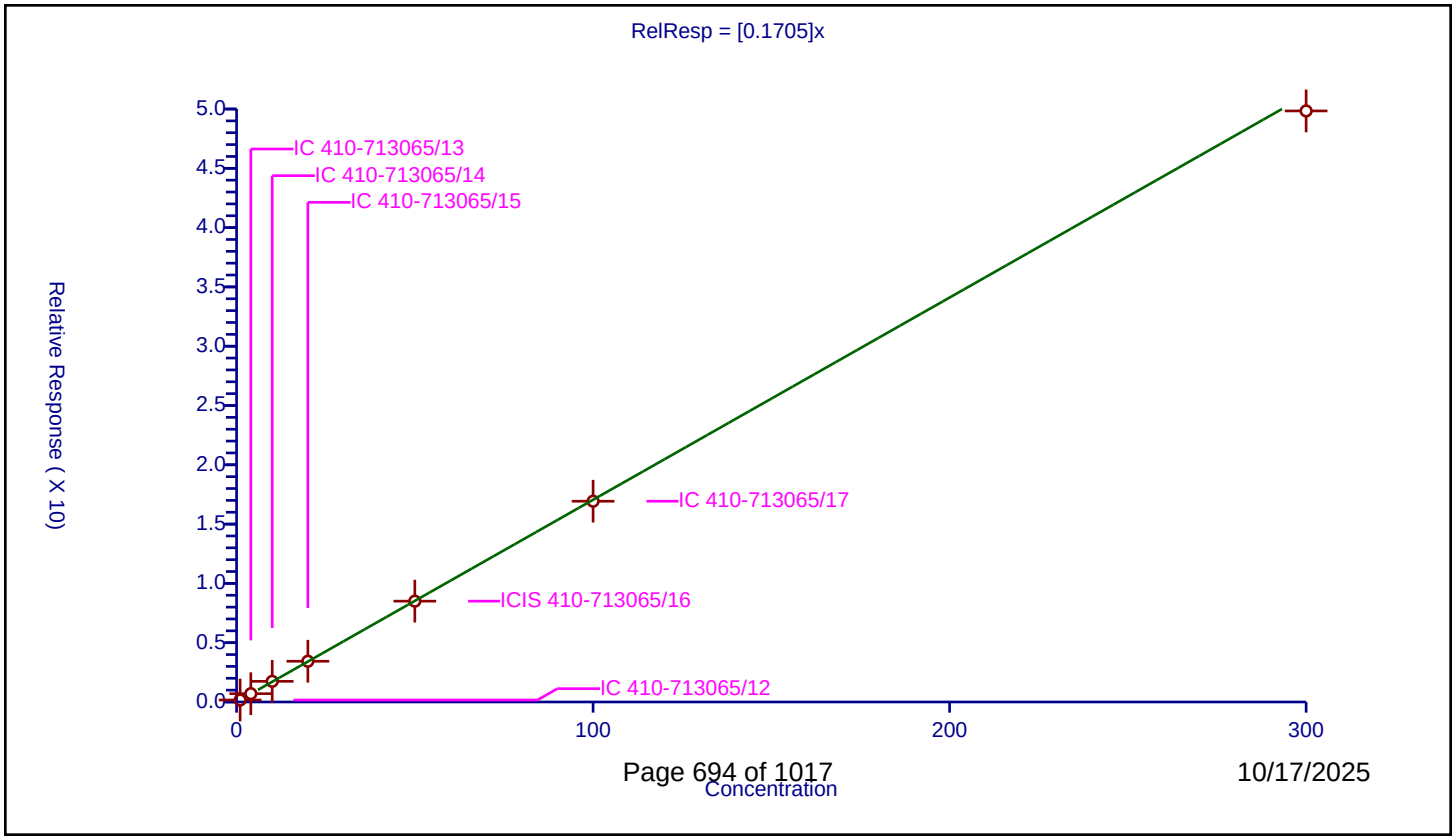
Curve Coefficients

Intercept:	0
Slope:	0.1705

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.166884	50.0	995904.0	0.166884	Y
2	IC 410-713065/13	4.0	0.701114	50.0	978586.0	0.175278	Y
3	IC 410-713065/14	10.0	1.742071	50.0	1037501.0	0.174207	Y
4	IC 410-713065/15	20.0	3.435285	50.0	1043014.0	0.171764	Y
5	ICIS 410-713065/16	50.0	8.502568	50.0	1057163.0	0.170051	Y
6	IC 410-713065/17	100.0	16.928278	50.0	1128712.0	0.169283	Y
7	IC 410-713065/18	300.0	49.838573	50.0	1178551.0	0.166129	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

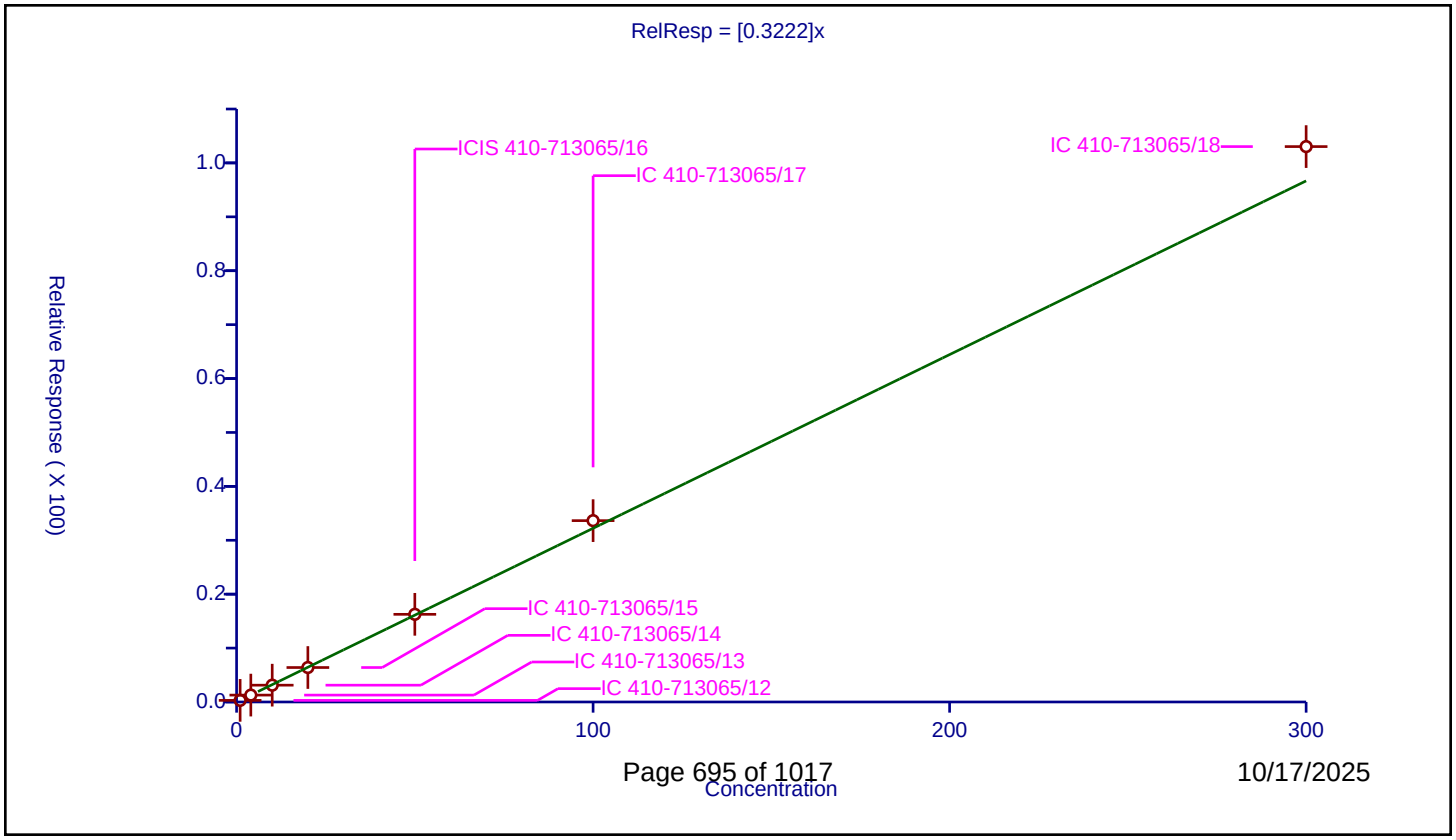
Curve Coefficients

Intercept:	0
Slope:	0.3222

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.299477	50.0	995904.0	0.299477	Y
2	IC 410-713065/13	4.0	1.277864	50.0	978586.0	0.319466	Y
3	IC 410-713065/14	10.0	3.118358	50.0	1037501.0	0.311836	Y
4	IC 410-713065/15	20.0	6.393203	50.0	1043014.0	0.31966	Y
5	ICIS 410-713065/16	50.0	16.263906	50.0	1057163.0	0.325278	Y
6	IC 410-713065/17	100.0	33.638563	50.0	1128712.0	0.336386	Y
7	IC 410-713065/18	300.0	103.031434	50.0	1178551.0	0.343438	Y



Calibration / 2-Nitropropane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

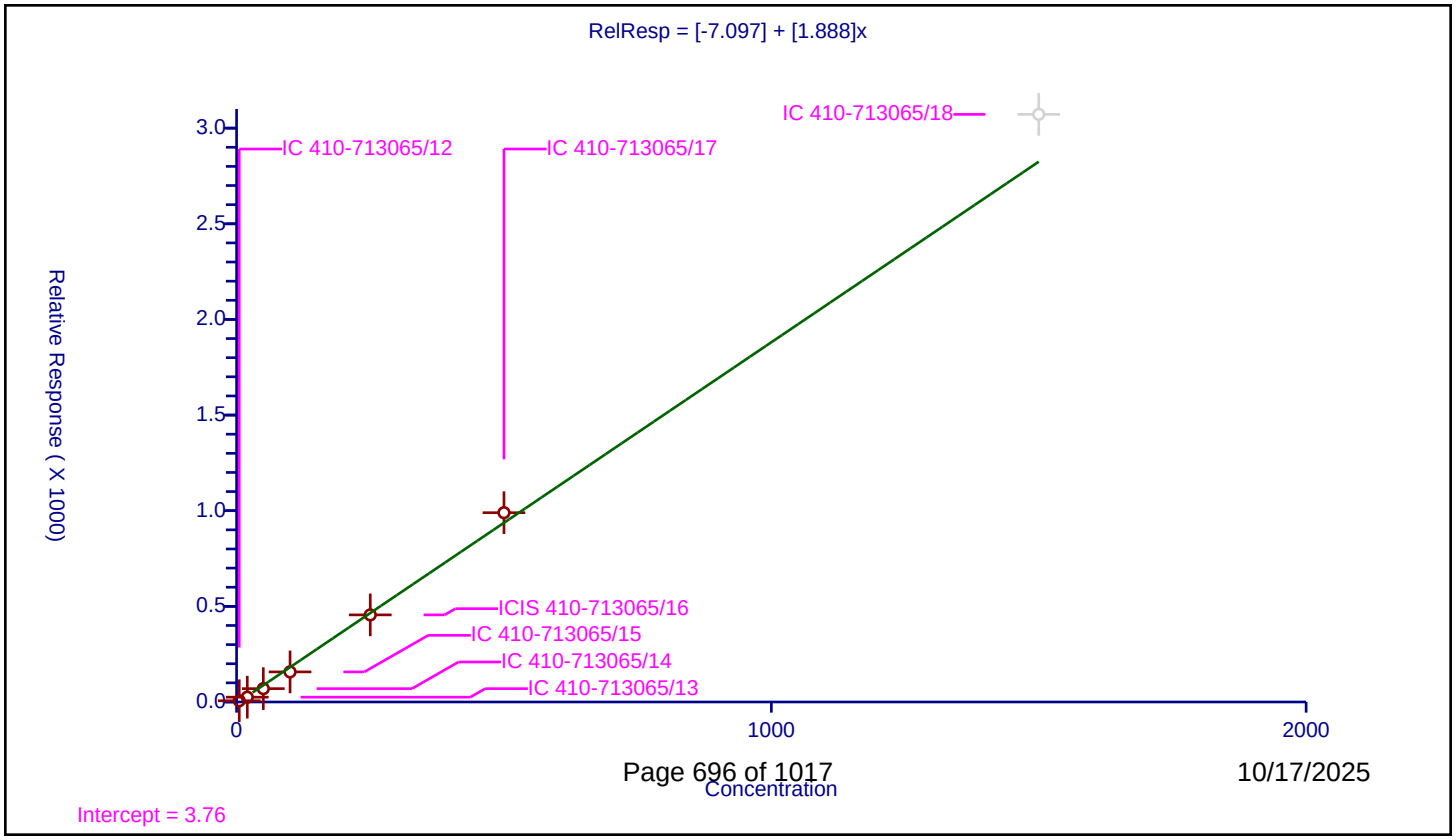
Curve Coefficients

Intercept:	-7.097
Slope:	1.888

Error Coefficients

Relative Standard Deviation:	25.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	5.0	6.355758	250.0	182079.0	1.271152	Y
2	IC 410-713065/13	20.0	25.100826	250.0	191667.0	1.255041	Y
3	IC 410-713065/14	50.0	69.835725	250.0	197961.0	1.396715	Y
4	IC 410-713065/15	100.0	157.279302	250.0	200500.0	1.572793	Y
5	ICIS 410-713065/16	250.0	455.373251	250.0	211734.0	1.821493	Y
6	IC 410-713065/17	500.0	989.599378	250.0	222679.0	1.979199	Y
7	IC 410-713065/18	1500.0	3072.010502	250.0	243954.0	2.048007	N



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

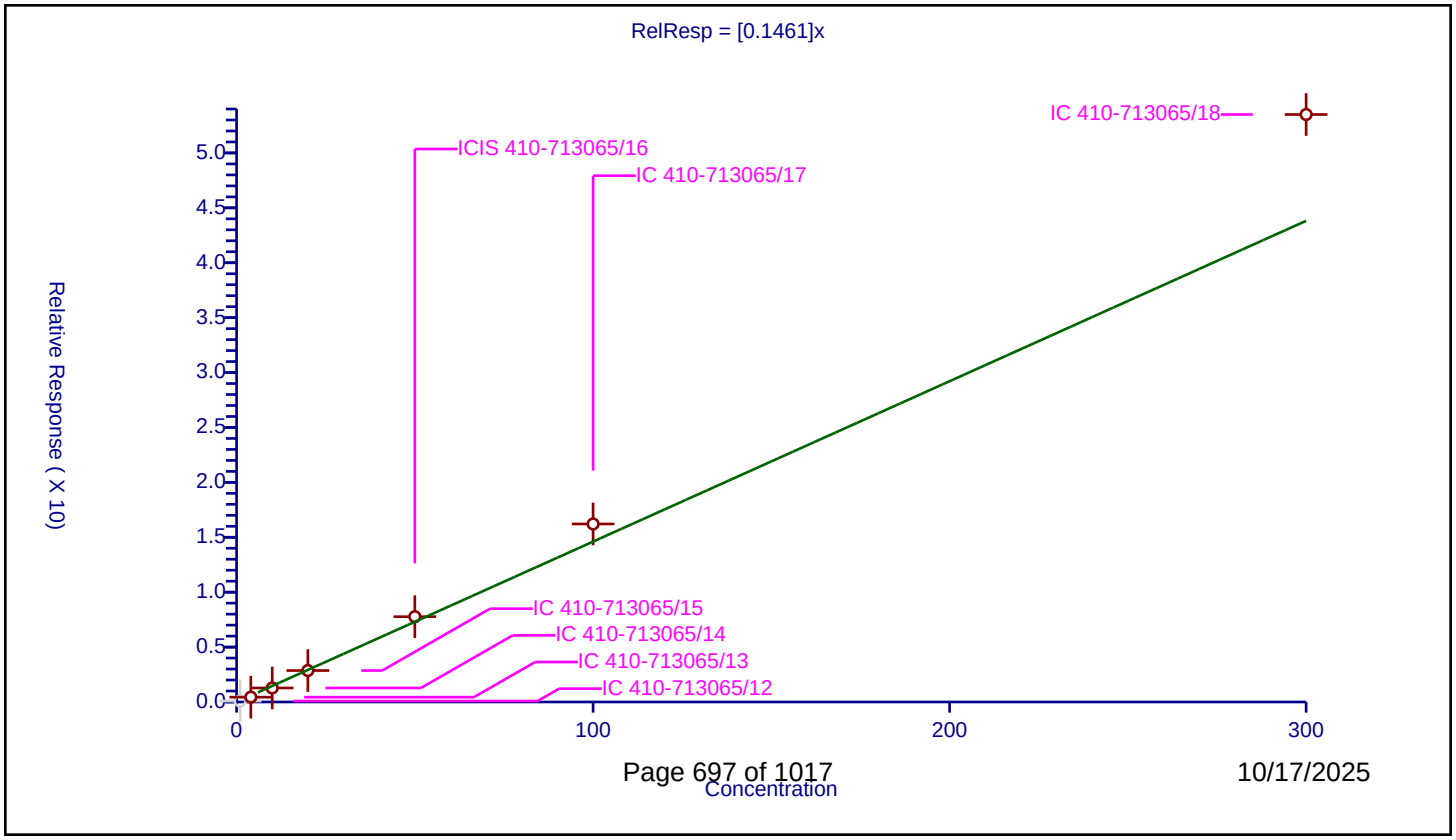
Curve Coefficients

Intercept:	0
Slope:	0.1461

Error Coefficients

Relative Standard Deviation:	16.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.087257	50.0	995904.0	0.087257	N
2	IC 410-713065/13	4.0	0.439052	50.0	978586.0	0.109763	Y
3	IC 410-713065/14	10.0	1.275372	50.0	1037501.0	0.127537	Y
4	IC 410-713065/15	20.0	2.864343	50.0	1043014.0	0.143217	Y
5	ICIS 410-713065/16	50.0	7.767487	50.0	1057163.0	0.15535	Y
6	IC 410-713065/17	100.0	16.212107	50.0	1128712.0	0.162121	Y
7	IC 410-713065/18	300.0	53.500103	50.0	1178551.0	0.178334	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

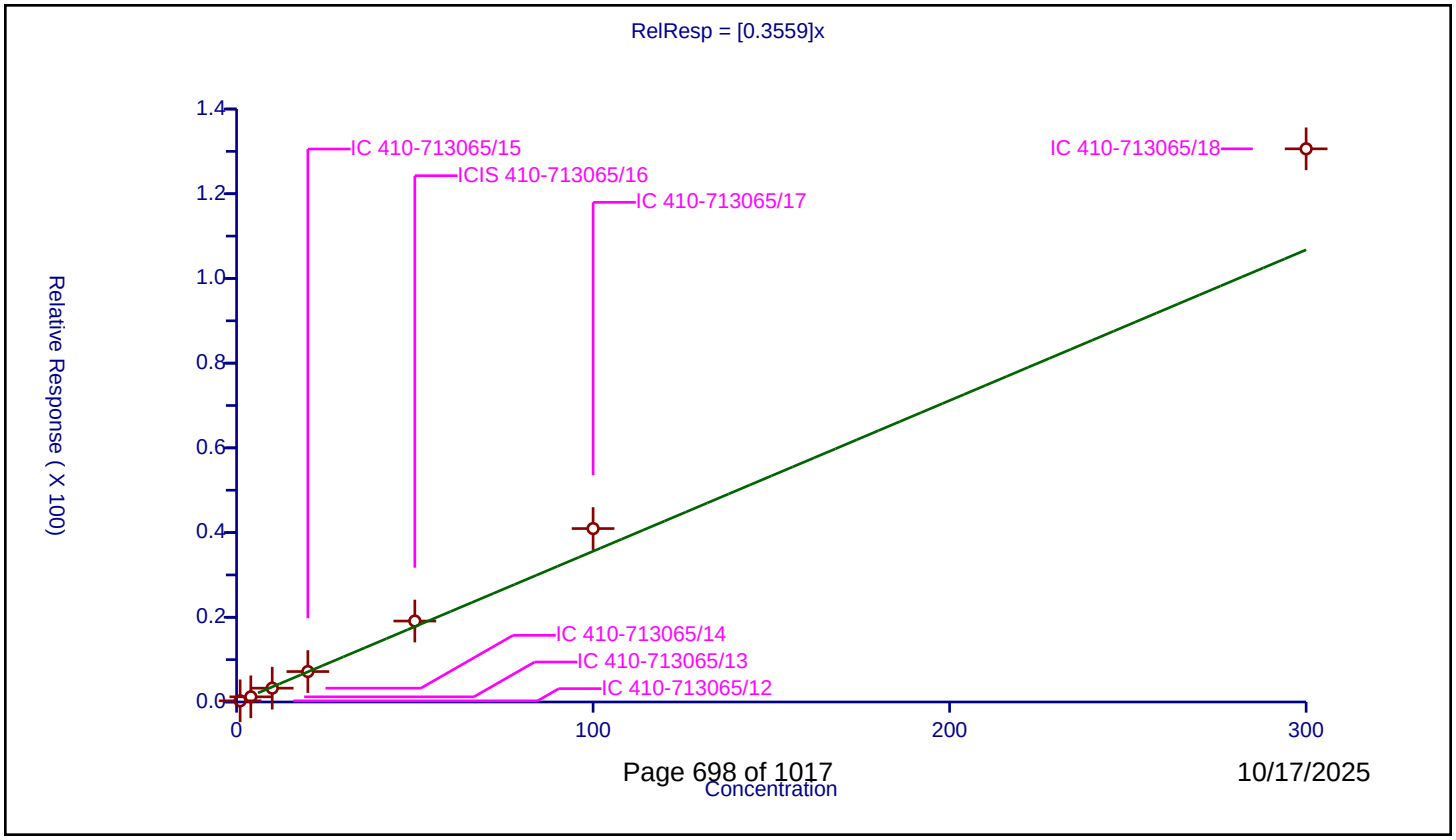
Curve Coefficients

Intercept:	0
Slope:	0.3559

Error Coefficients

Relative Standard Deviation:	16.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.27342	50.0	995904.0	0.27342	Y
2	IC 410-713065/13	4.0	1.220077	50.0	978586.0	0.305019	Y
3	IC 410-713065/14	10.0	3.262406	50.0	1037501.0	0.326241	Y
4	IC 410-713065/15	20.0	7.187727	50.0	1043014.0	0.359386	Y
5	ICIS 410-713065/16	50.0	19.11044	50.0	1057163.0	0.382209	Y
6	IC 410-713065/17	100.0	40.945343	50.0	1128712.0	0.409453	Y
7	IC 410-713065/18	300.0	130.601688	50.0	1178551.0	0.435339	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

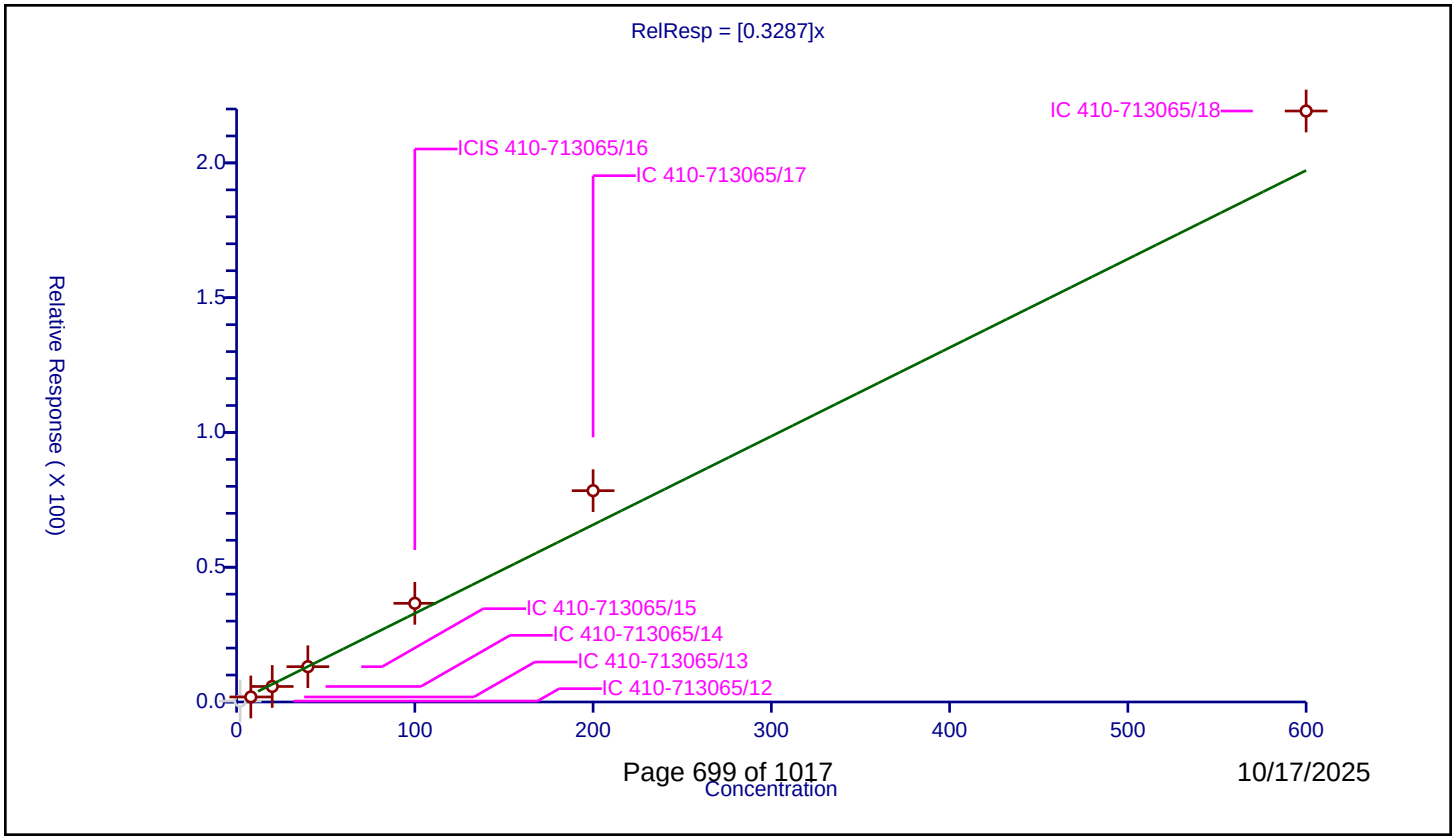
Curve Coefficients

Intercept:	0
Slope:	0.3287

Error Coefficients

Relative Standard Deviation:	18.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	2.0	0.350586	50.0	995904.0	0.175293	N
2	IC 410-713065/13	8.0	1.866673	50.0	978586.0	0.233334	Y
3	IC 410-713065/14	20.0	5.755609	50.0	1037501.0	0.28778	Y
4	IC 410-713065/15	40.0	13.104234	50.0	1043014.0	0.327606	Y
5	ICIS 410-713065/16	100.0	36.604667	50.0	1057163.0	0.366047	Y
6	IC 410-713065/17	200.0	78.400114	50.0	1128712.0	0.392001	Y
7	IC 410-713065/18	600.0	219.255637	50.0	1178551.0	0.365426	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

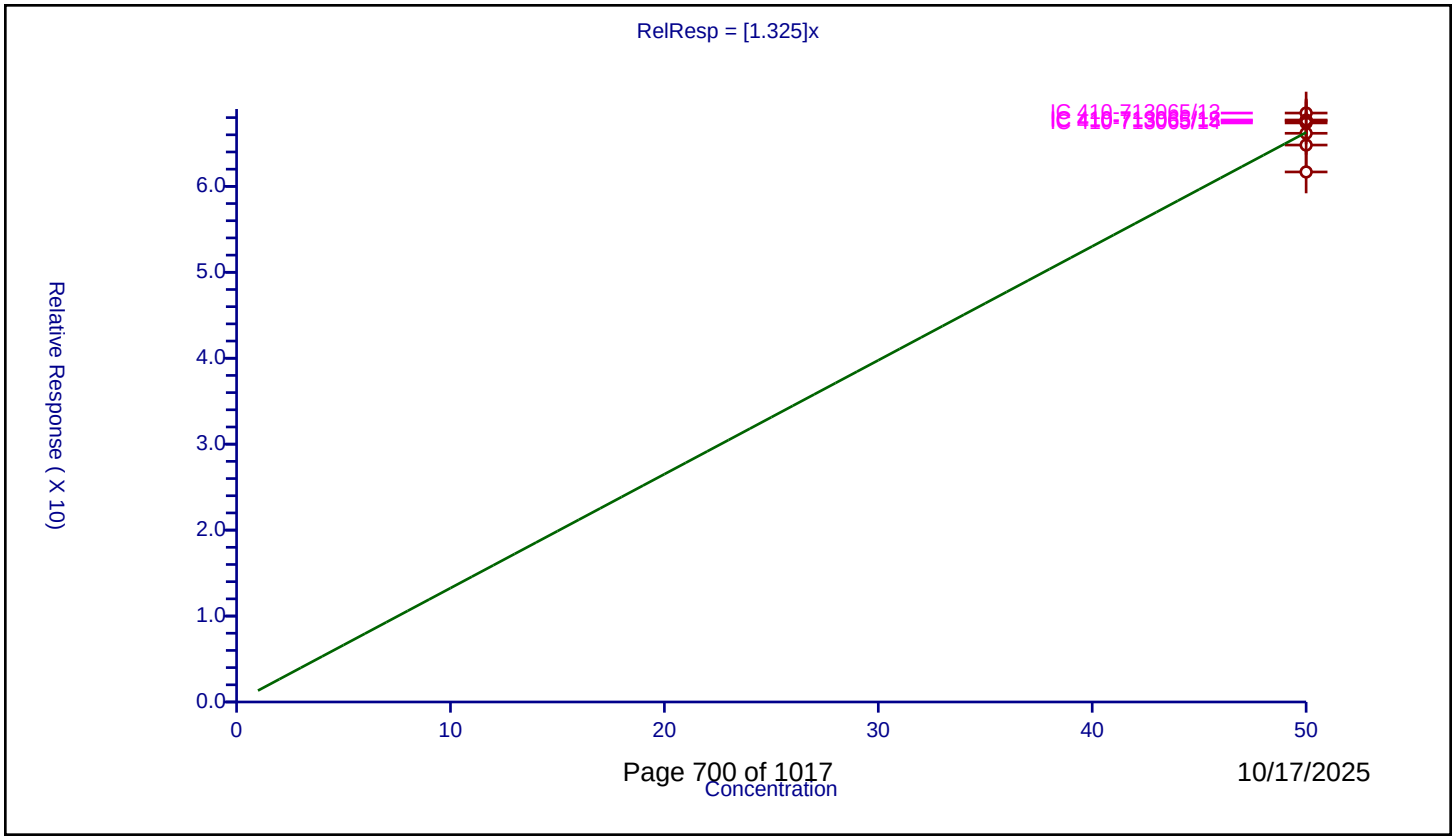
Curve Coefficients

Intercept:	0
Slope:	1.325

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	50.0	67.722177	50.0	672708.0	1.354444	Y
2	IC 410-713065/13	50.0	68.532465	50.0	659146.0	1.370649	Y
3	IC 410-713065/14	50.0	67.380463	50.0	717642.0	1.347609	Y
4	IC 410-713065/15	50.0	67.621738	50.0	726665.0	1.352435	Y
5	ICIS 410-713065/16	50.0	66.176595	50.0	755706.0	1.323532	Y
6	IC 410-713065/17	50.0	64.807178	50.0	830300.0	1.296144	Y
7	IC 410-713065/18	50.0	61.677308	50.0	937866.0	1.233546	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

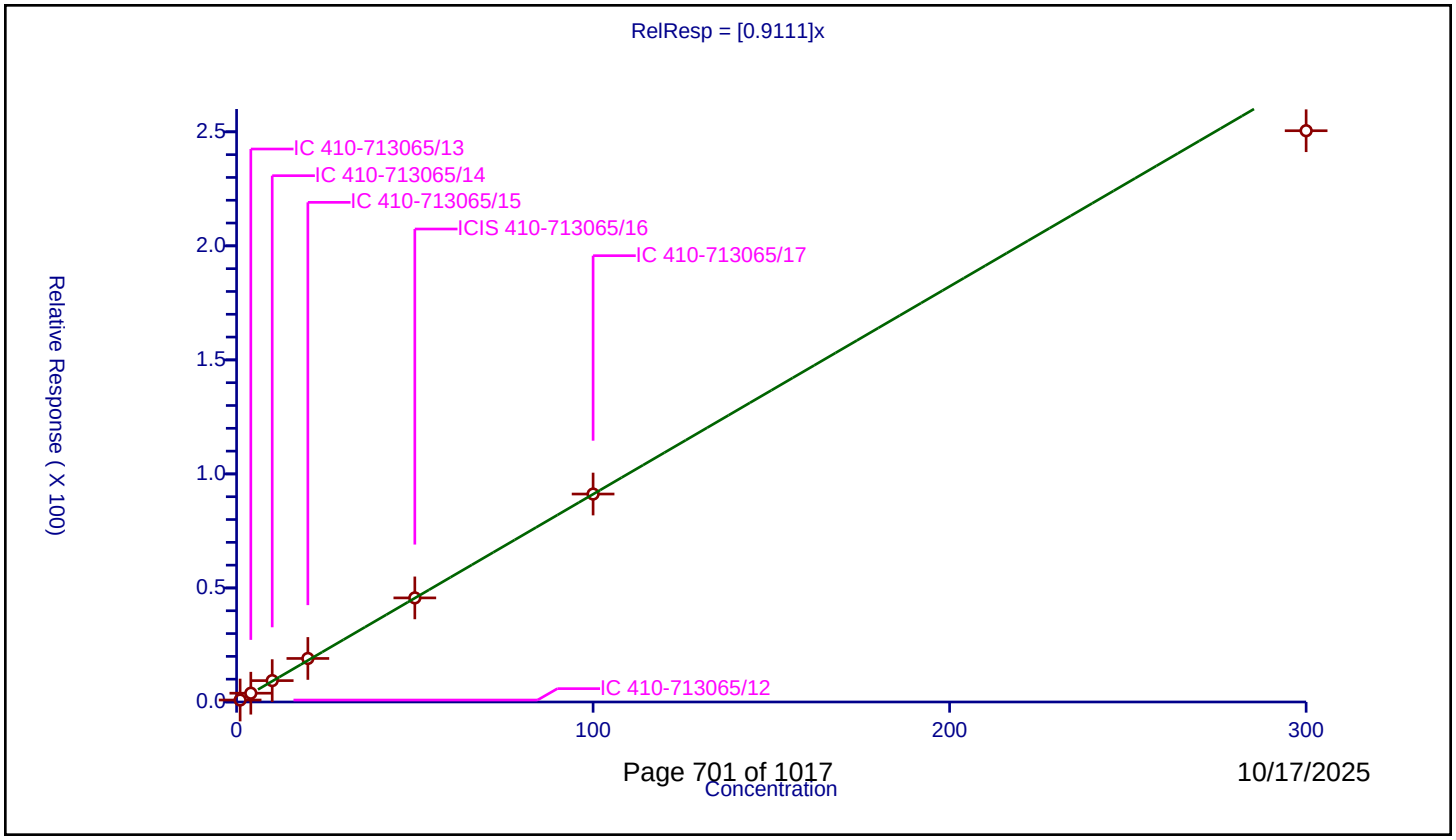
Curve Coefficients

Intercept:	0
Slope:	0.9111

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.862781	50.0	672708.0	0.862781	Y
2	IC 410-713065/13	4.0	3.856581	50.0	659146.0	0.964145	Y
3	IC 410-713065/14	10.0	9.367066	50.0	717642.0	0.936707	Y
4	IC 410-713065/15	20.0	19.083278	50.0	726665.0	0.954164	Y
5	ICIS 410-713065/16	50.0	45.643941	50.0	755706.0	0.912879	Y
6	IC 410-713065/17	100.0	91.182163	50.0	830300.0	0.911822	Y
7	IC 410-713065/18	300.0	250.481145	50.0	937866.0	0.834937	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

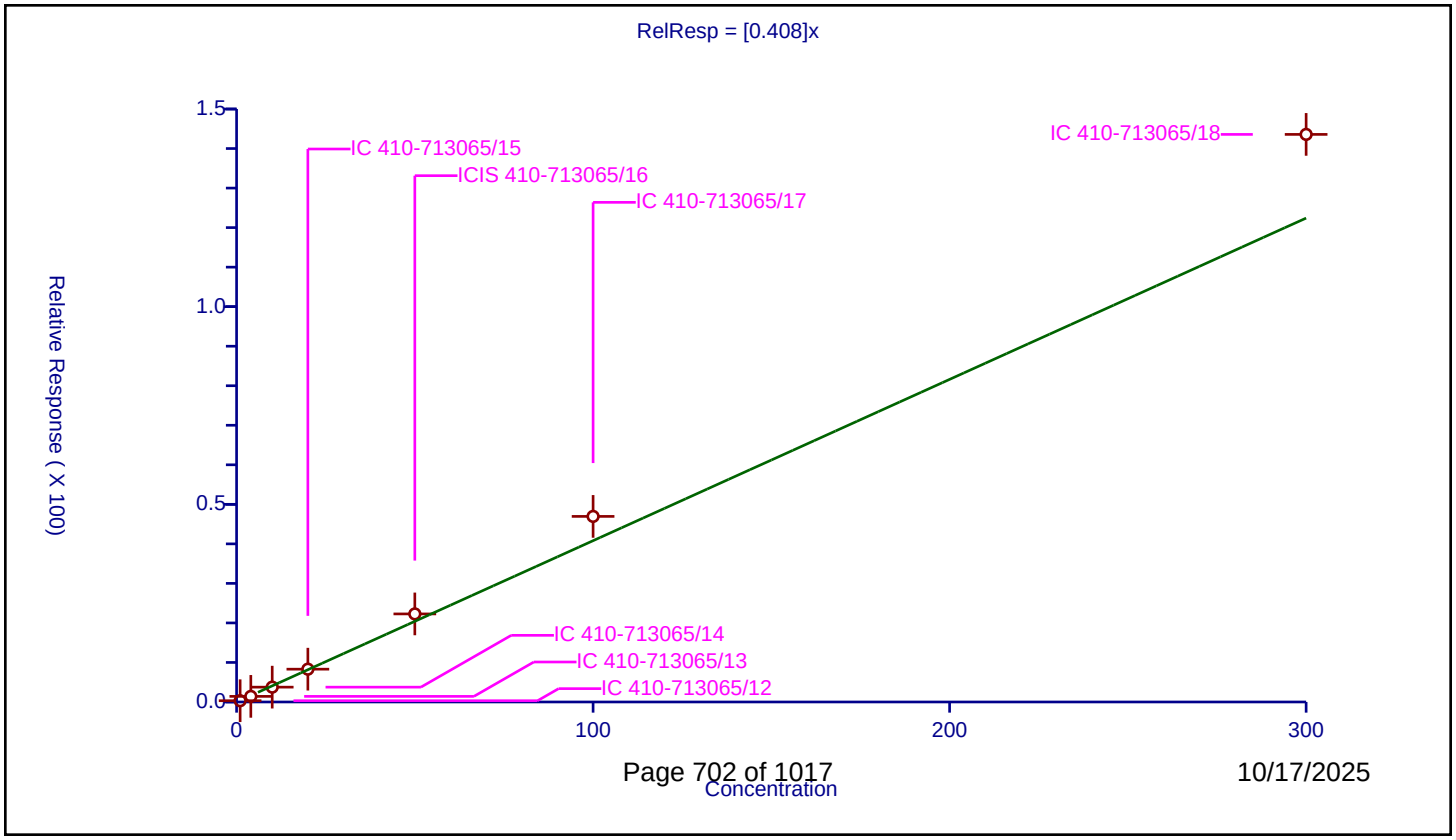
Curve Coefficients

Intercept:	0
Slope:	0.408

Error Coefficients

Relative Standard Deviation:	15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.317597	50.0	672708.0	0.317597	Y
2	IC 410-713065/13	4.0	1.417668	50.0	659146.0	0.354417	Y
3	IC 410-713065/14	10.0	3.753682	50.0	717642.0	0.375368	Y
4	IC 410-713065/15	20.0	8.303138	50.0	726665.0	0.415157	Y
5	ICIS 410-713065/16	50.0	22.278571	50.0	755706.0	0.445571	Y
6	IC 410-713065/17	100.0	46.945201	50.0	830300.0	0.469452	Y
7	IC 410-713065/18	300.0	143.576908	50.0	937866.0	0.47859	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

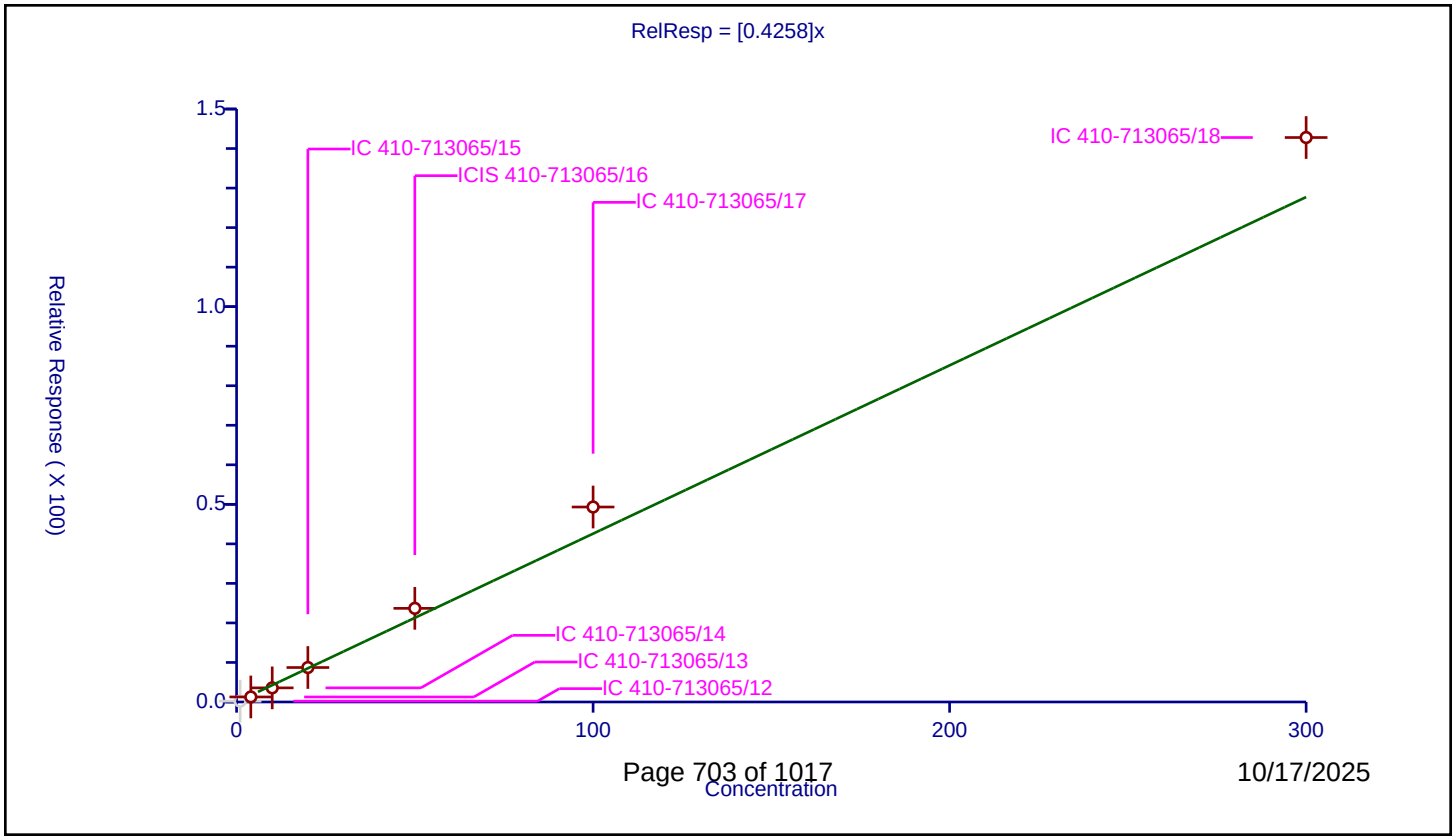
Curve Coefficients

Intercept:	0
Slope:	0.4258

Error Coefficients

Relative Standard Deviation:	16.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.21406	50.0	672708.0	0.21406	N
2	IC 410-713065/13	4.0	1.274604	50.0	659146.0	0.318651	Y
3	IC 410-713065/14	10.0	3.569886	50.0	717642.0	0.356989	Y
4	IC 410-713065/15	20.0	8.720249	50.0	726665.0	0.436012	Y
5	ICIS 410-713065/16	50.0	23.686195	50.0	755706.0	0.473724	Y
6	IC 410-713065/17	100.0	49.321089	50.0	830300.0	0.493211	Y
7	IC 410-713065/18	300.0	142.791508	50.0	937866.0	0.475972	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

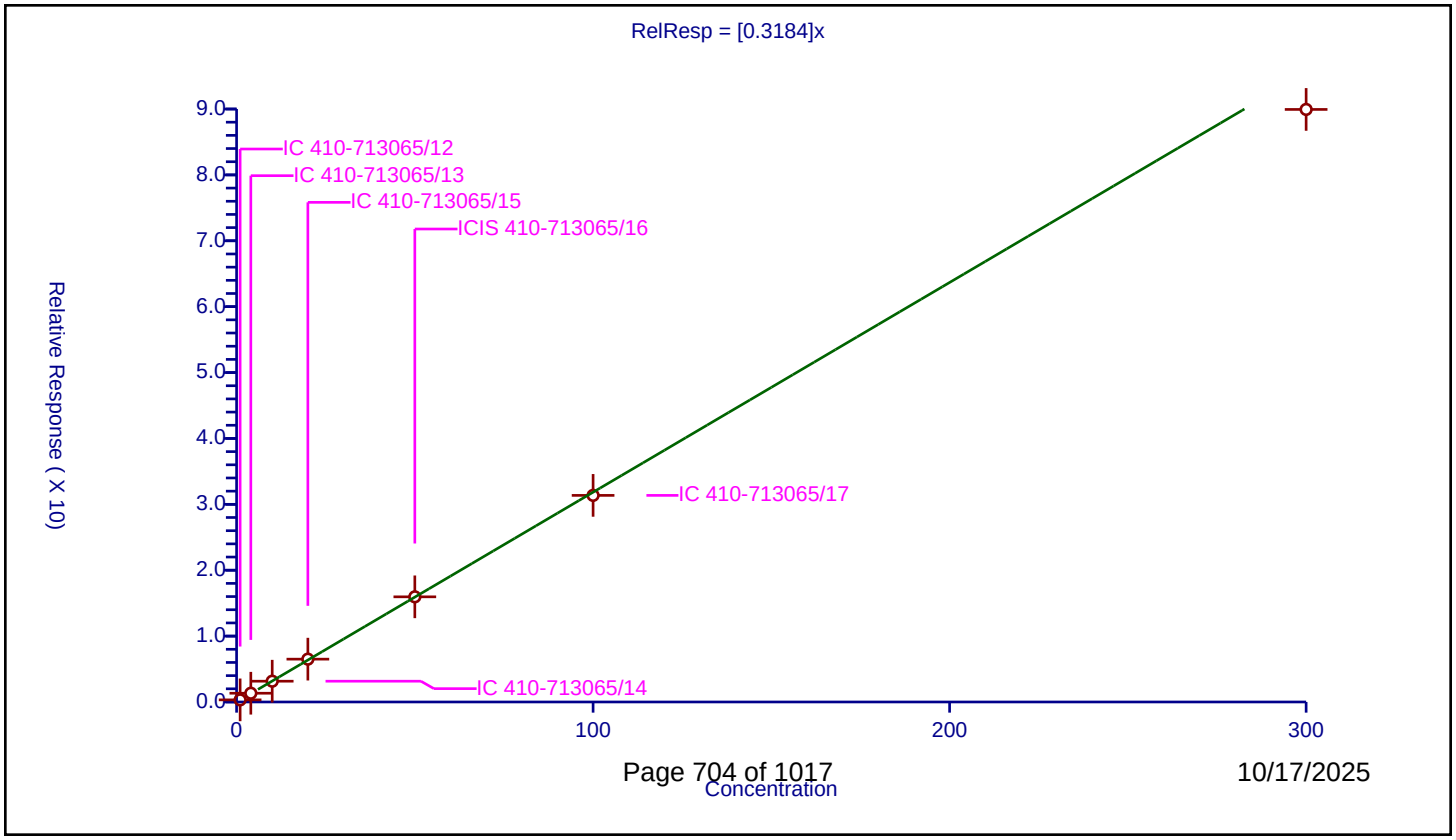
Curve Coefficients

Intercept:	0
Slope:	0.3184

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.322354	50.0	672708.0	0.322354	Y
2	IC 410-713065/13	4.0	1.331344	50.0	659146.0	0.332836	Y
3	IC 410-713065/14	10.0	3.156588	50.0	717642.0	0.315659	Y
4	IC 410-713065/15	20.0	6.502859	50.0	726665.0	0.325143	Y
5	ICIS 410-713065/16	50.0	15.96044	50.0	755706.0	0.319209	Y
6	IC 410-713065/17	100.0	31.357582	50.0	830300.0	0.313576	Y
7	IC 410-713065/18	300.0	89.935822	50.0	937866.0	0.299786	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

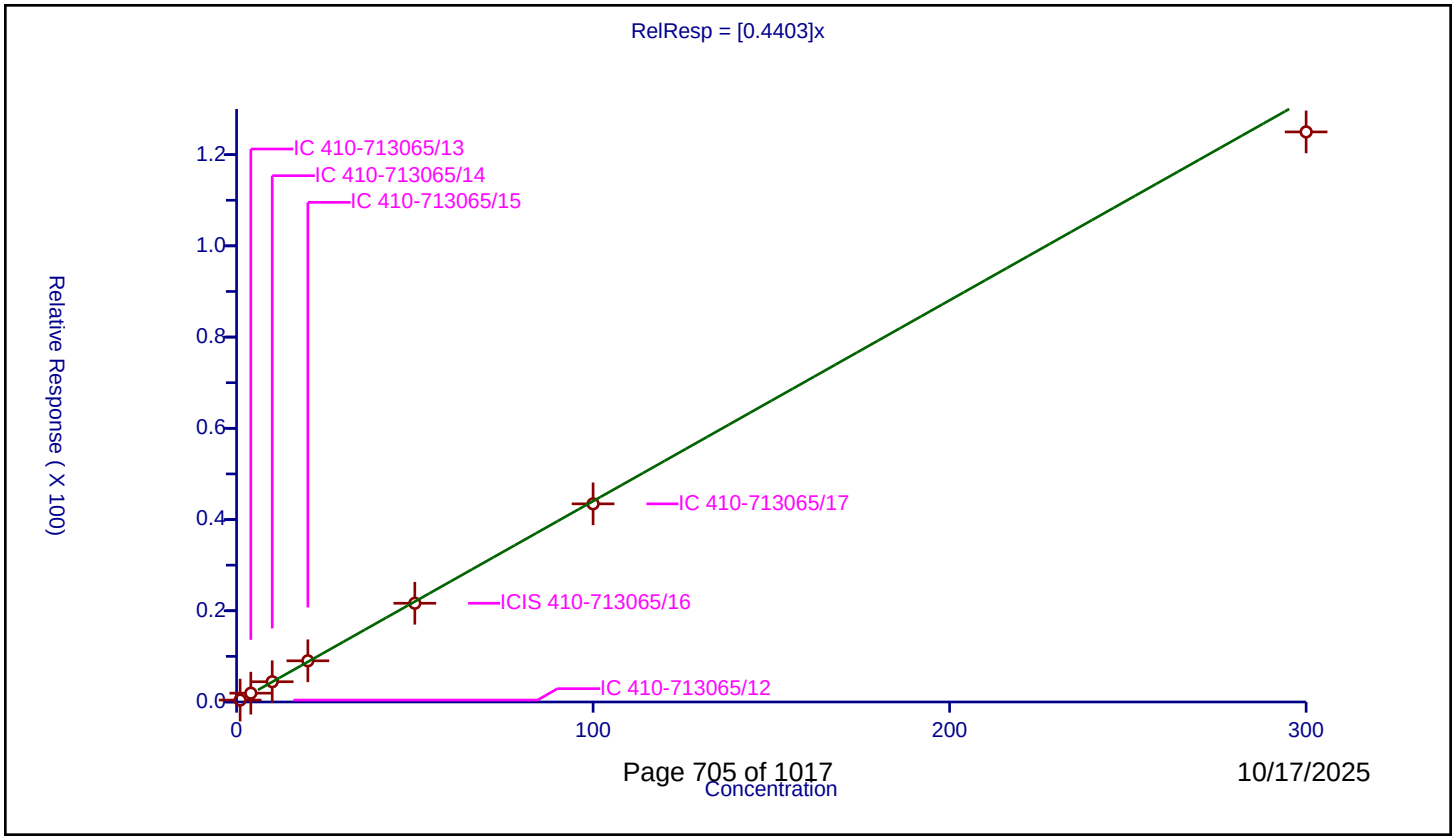
Curve Coefficients

Intercept:	0
Slope:	0.4403

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.419573	50.0	672708.0	0.419573	Y
2	IC 410-713065/13	4.0	1.933487	50.0	659146.0	0.483372	Y
3	IC 410-713065/14	10.0	4.438843	50.0	717642.0	0.443884	Y
4	IC 410-713065/15	20.0	9.026856	50.0	726665.0	0.451343	Y
5	ICIS 410-713065/16	50.0	21.6483	50.0	755706.0	0.432966	Y
6	IC 410-713065/17	100.0	43.440082	50.0	830300.0	0.434401	Y
7	IC 410-713065/18	300.0	124.976542	50.0	937866.0	0.416588	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

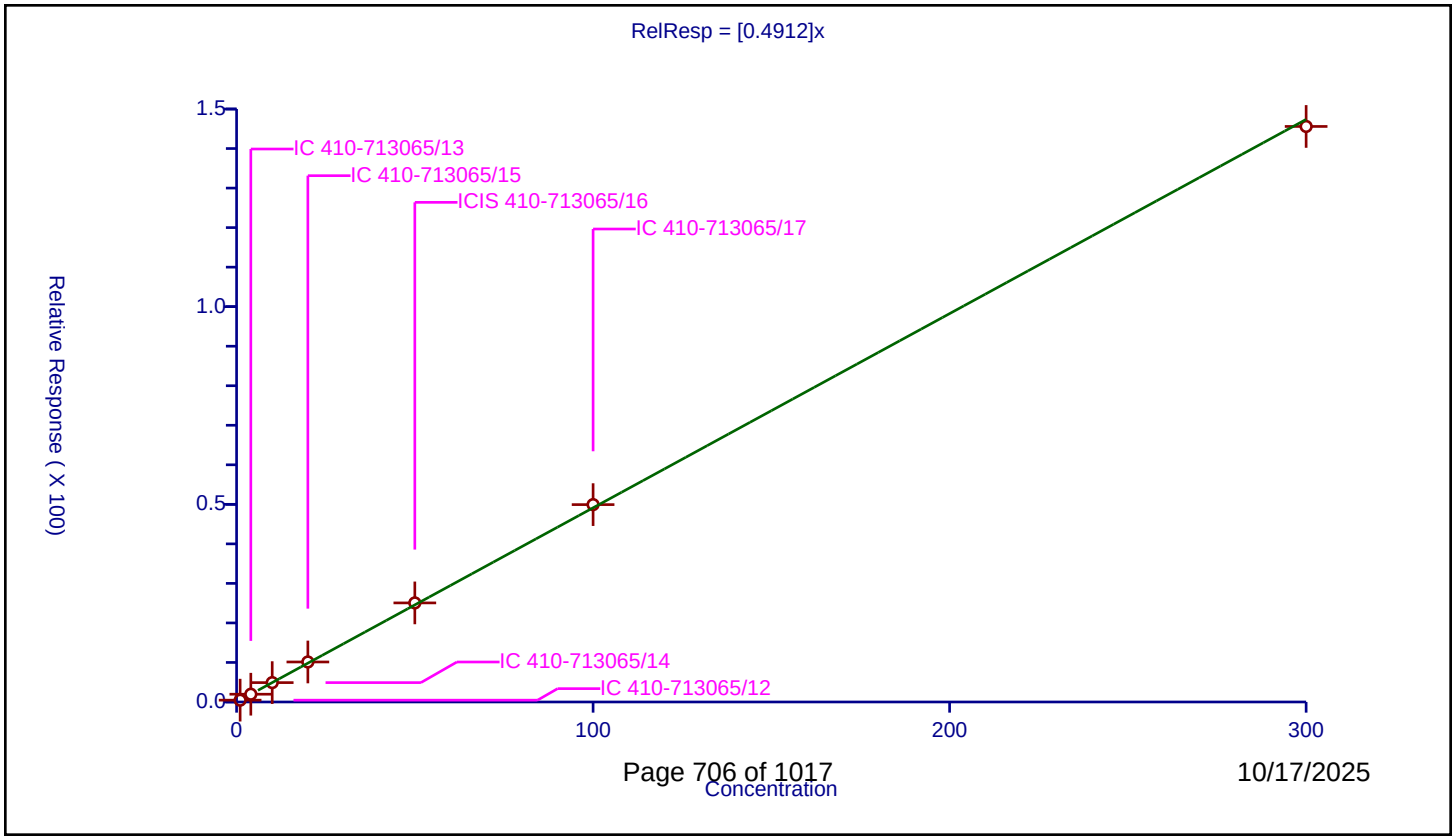
Curve Coefficients

Intercept:	0
Slope:	0.4912

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.464986	50.0	672708.0	0.464986	Y
2	IC 410-713065/13	4.0	1.966484	50.0	659146.0	0.491621	Y
3	IC 410-713065/14	10.0	4.899936	50.0	717642.0	0.489994	Y
4	IC 410-713065/15	20.0	10.123509	50.0	726665.0	0.506175	Y
5	ICIS 410-713065/16	50.0	25.06484	50.0	755706.0	0.501297	Y
6	IC 410-713065/17	100.0	49.924786	50.0	830300.0	0.499248	Y
7	IC 410-713065/18	300.0	145.589295	50.0	937866.0	0.485298	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

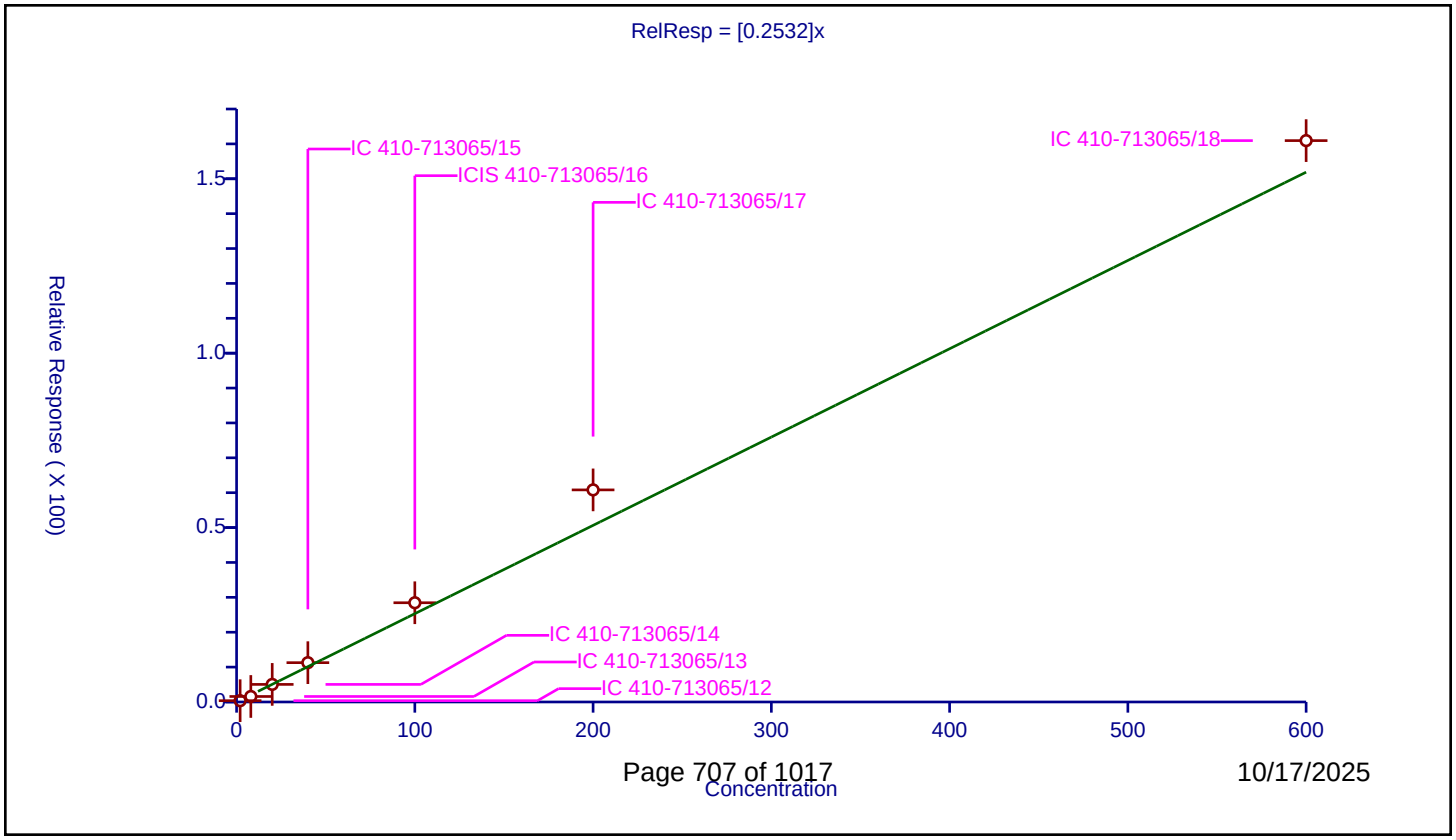
Curve Coefficients

Intercept:	0
Slope:	0.2532

Error Coefficients

Relative Standard Deviation:	18.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	2.0	0.368213	50.0	672708.0	0.184107	Y
2	IC 410-713065/13	8.0	1.579544	50.0	659146.0	0.197443	Y
3	IC 410-713065/14	20.0	5.03956	50.0	717642.0	0.251978	Y
4	IC 410-713065/15	40.0	11.273696	50.0	726665.0	0.281842	Y
5	ICIS 410-713065/16	100.0	28.451078	50.0	755706.0	0.284511	Y
6	IC 410-713065/17	200.0	60.808864	50.0	830300.0	0.304044	Y
7	IC 410-713065/18	600.0	160.940795	50.0	937866.0	0.268235	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

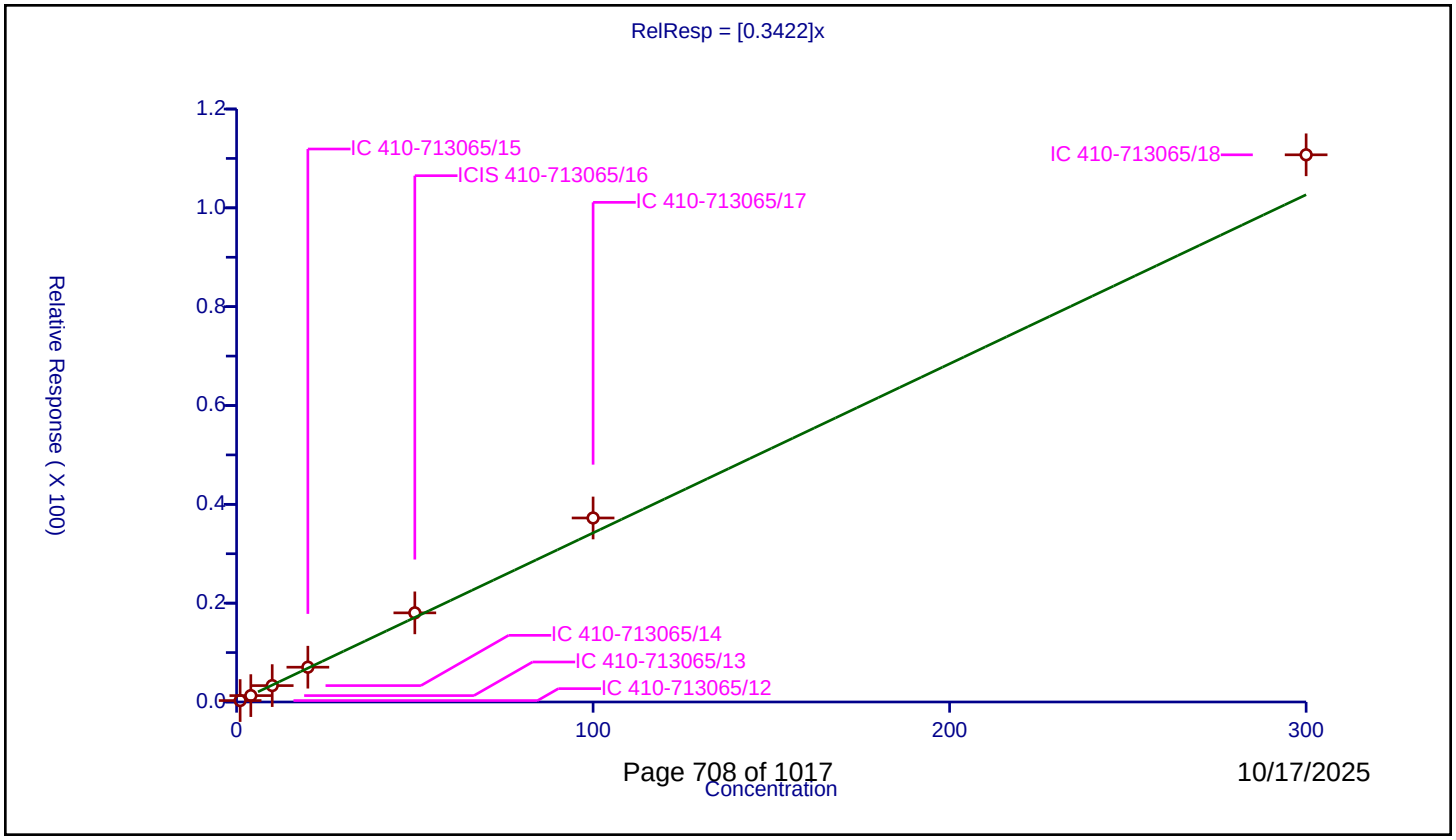
Curve Coefficients

Intercept:	0
Slope:	0.3422

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.286677	50.0	672708.0	0.286677	Y
2	IC 410-713065/13	4.0	1.291747	50.0	659146.0	0.322937	Y
3	IC 410-713065/14	10.0	3.316347	50.0	717642.0	0.331635	Y
4	IC 410-713065/15	20.0	7.037631	50.0	726665.0	0.351882	Y
5	ICIS 410-713065/16	50.0	18.035651	50.0	755706.0	0.360713	Y
6	IC 410-713065/17	100.0	37.239552	50.0	830300.0	0.372396	Y
7	IC 410-713065/18	300.0	110.735329	50.0	937866.0	0.369118	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

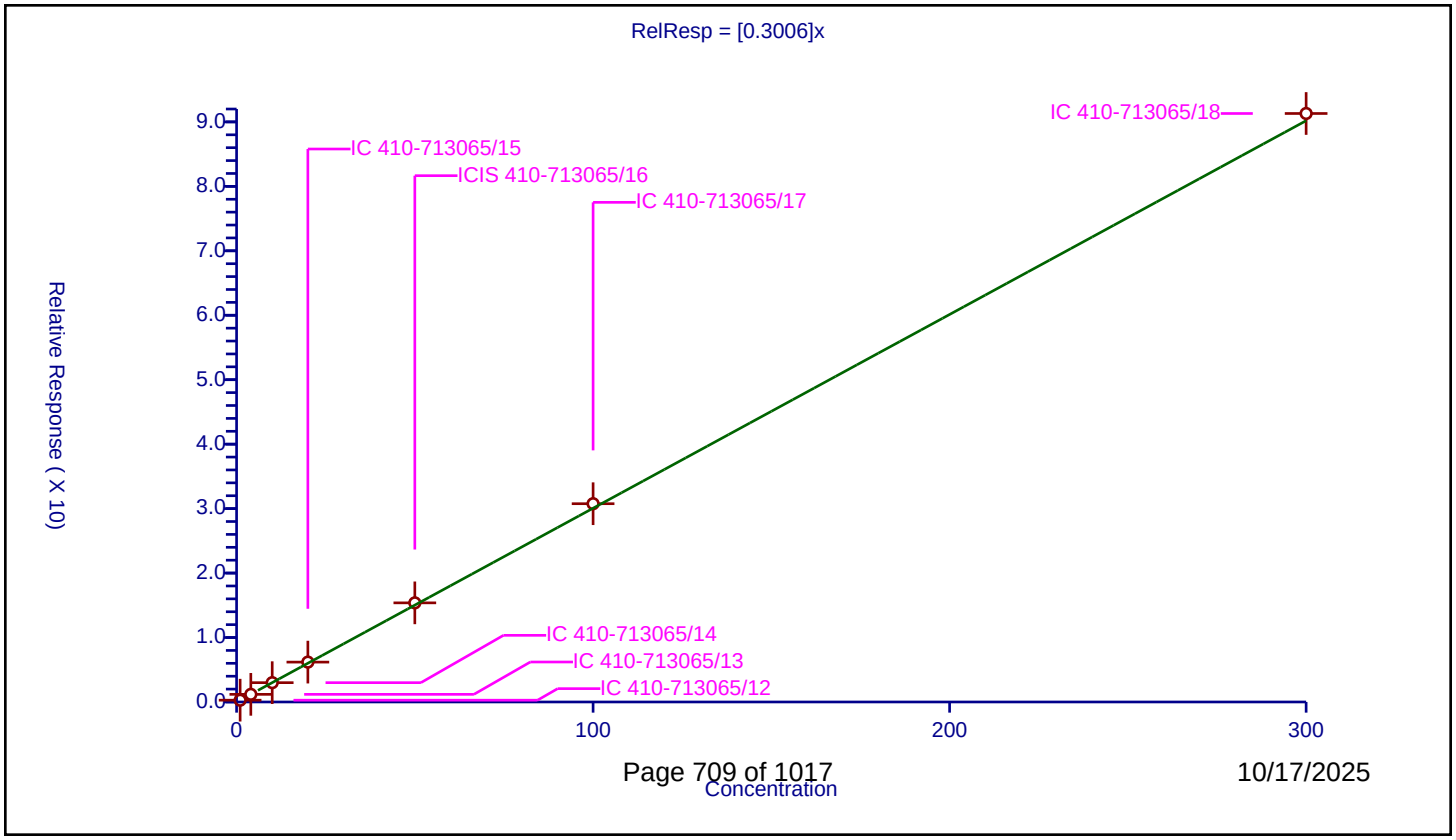
Curve Coefficients

Intercept:	0
Slope:	0.3006

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.27969	50.0	672708.0	0.27969	Y
2	IC 410-713065/13	4.0	1.183956	50.0	659146.0	0.295989	Y
3	IC 410-713065/14	10.0	2.997107	50.0	717642.0	0.299711	Y
4	IC 410-713065/15	20.0	6.187514	50.0	726665.0	0.309376	Y
5	ICIS 410-713065/16	50.0	15.379989	50.0	755706.0	0.3076	Y
6	IC 410-713065/17	100.0	30.765025	50.0	830300.0	0.30765	Y
7	IC 410-713065/18	300.0	91.305528	50.0	937866.0	0.304352	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

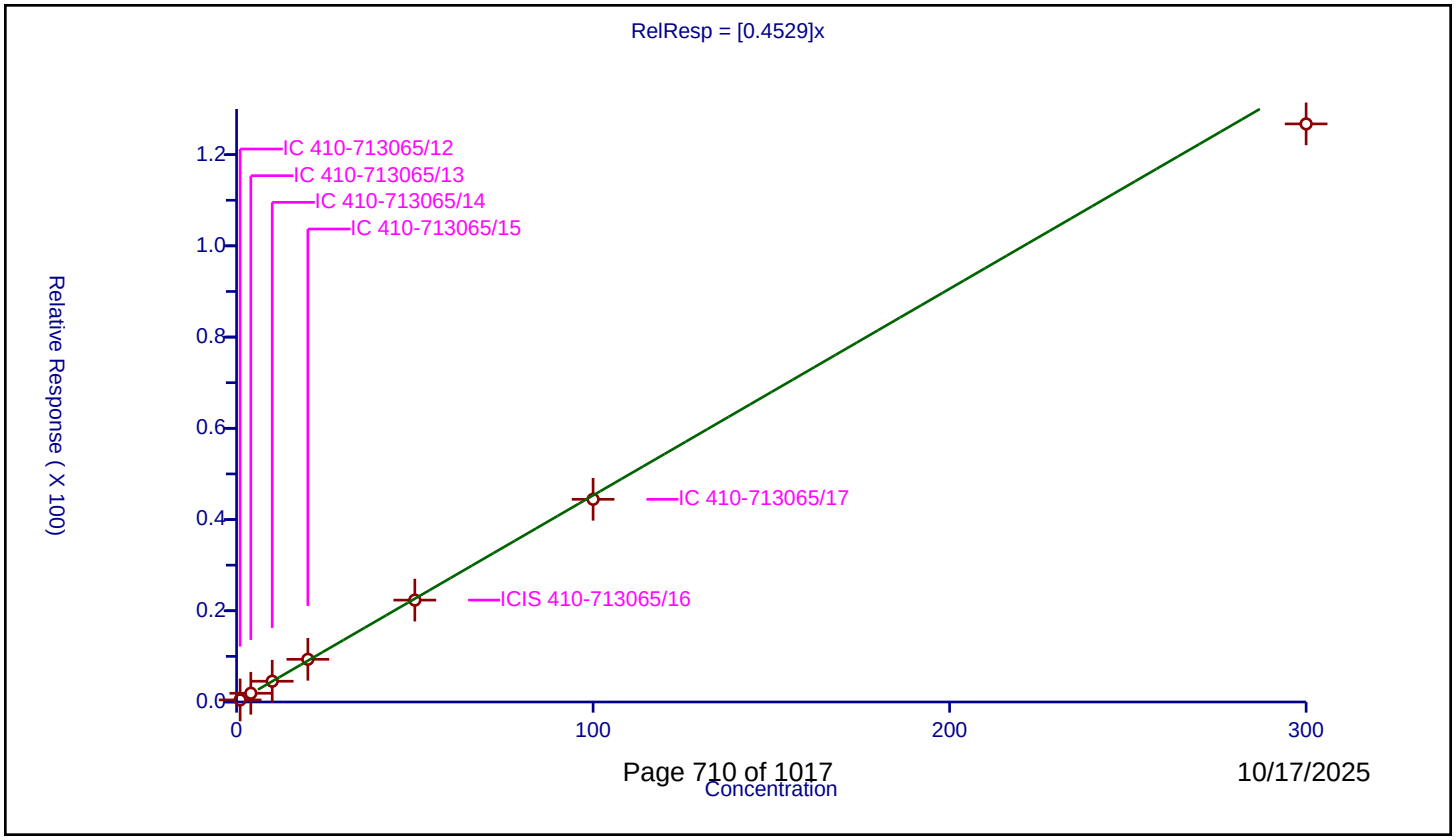
Curve Coefficients

Intercept:	0
Slope:	0.4529

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.454729	50.0	672708.0	0.454729	Y
2	IC 410-713065/13	4.0	1.917329	50.0	659146.0	0.479332	Y
3	IC 410-713065/14	10.0	4.551225	50.0	717642.0	0.455122	Y
4	IC 410-713065/15	20.0	9.354792	50.0	726665.0	0.46774	Y
5	ICIS 410-713065/16	50.0	22.338184	50.0	755706.0	0.446764	Y
6	IC 410-713065/17	100.0	44.435867	50.0	830300.0	0.444359	Y
7	IC 410-713065/18	300.0	126.738841	50.0	937866.0	0.422463	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

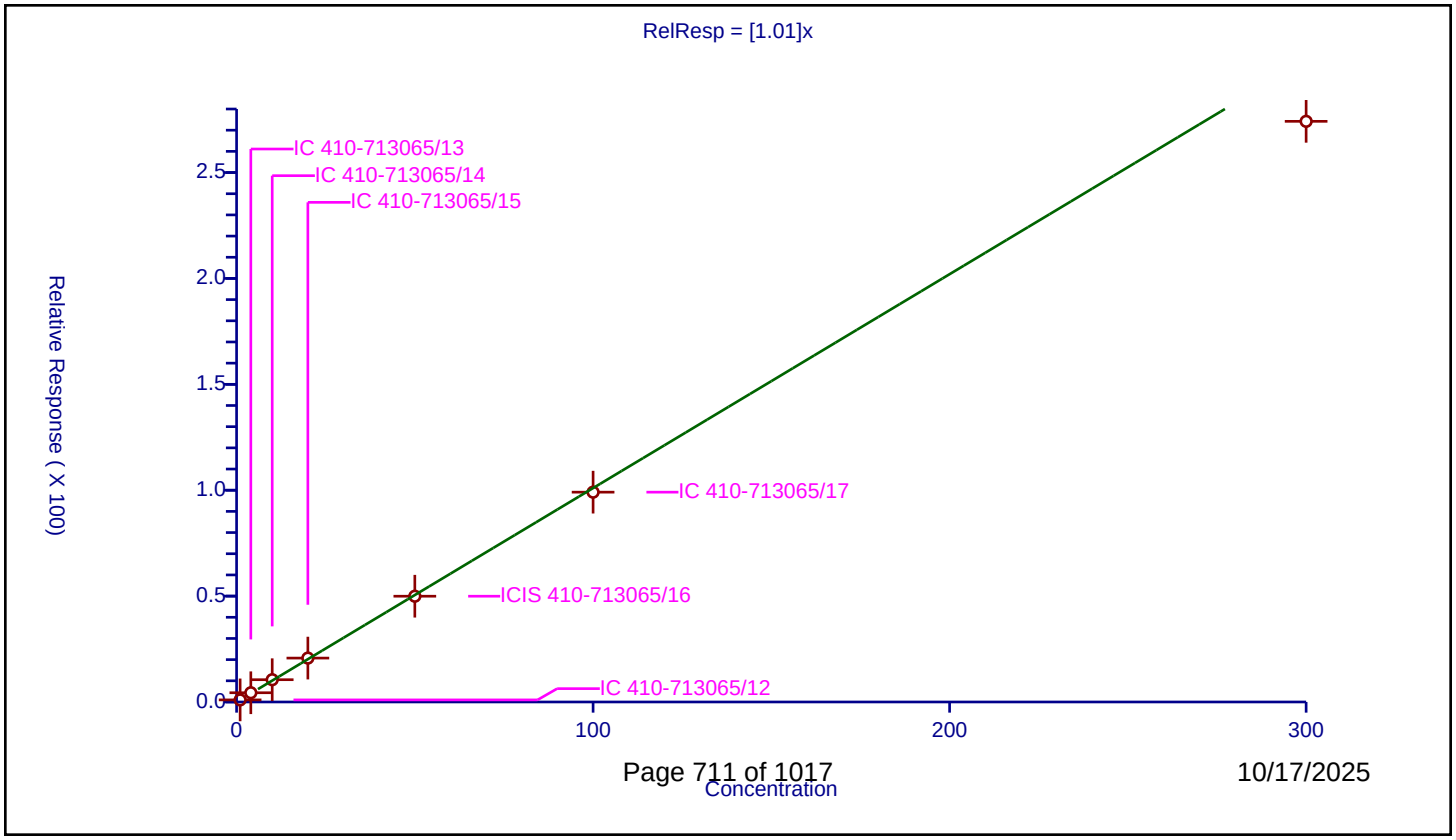
Curve Coefficients

Intercept:	0
Slope:	1.01

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.988393	50.0	672708.0	0.988393	Y
2	IC 410-713065/13	4.0	4.357836	50.0	659146.0	1.089459	Y
3	IC 410-713065/14	10.0	10.524955	50.0	717642.0	1.052496	Y
4	IC 410-713065/15	20.0	20.726401	50.0	726665.0	1.03632	Y
5	ICIS 410-713065/16	50.0	49.944158	50.0	755706.0	0.998883	Y
6	IC 410-713065/17	100.0	99.076418	50.0	830300.0	0.990764	Y
7	IC 410-713065/18	300.0	274.181013	50.0	937866.0	0.913937	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

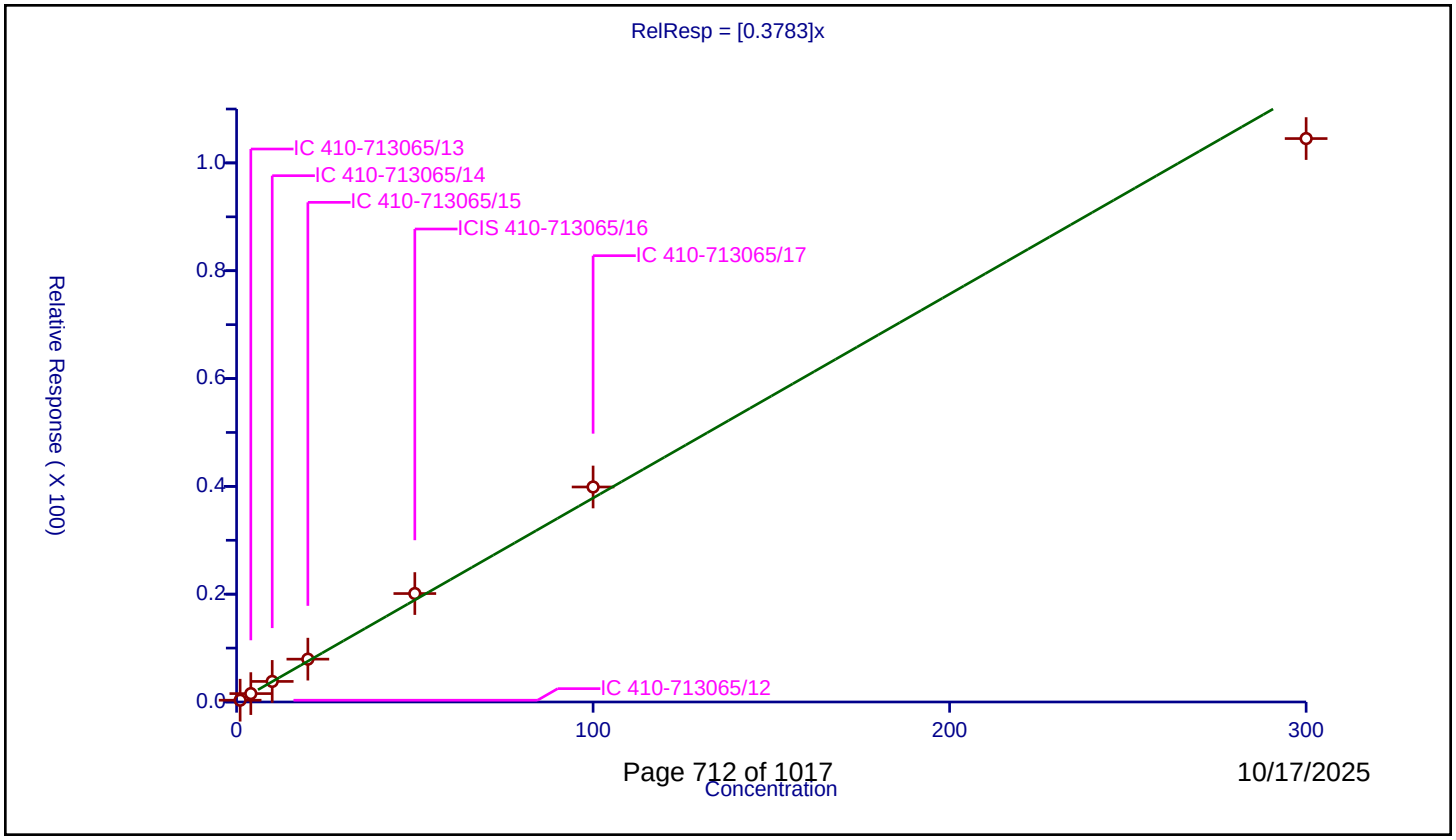
Curve Coefficients

Intercept:	0
Slope:	0.3783

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.331124	50.0	672708.0	0.331124	Y
2	IC 410-713065/13	4.0	1.555422	50.0	659146.0	0.388855	Y
3	IC 410-713065/14	10.0	3.815273	50.0	717642.0	0.381527	Y
4	IC 410-713065/15	20.0	7.948573	50.0	726665.0	0.397429	Y
5	ICIS 410-713065/16	50.0	20.114767	50.0	755706.0	0.402295	Y
6	IC 410-713065/17	100.0	39.882452	50.0	830300.0	0.398825	Y
7	IC 410-713065/18	300.0	104.517223	50.0	937866.0	0.348391	Y



10/17/2025

Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

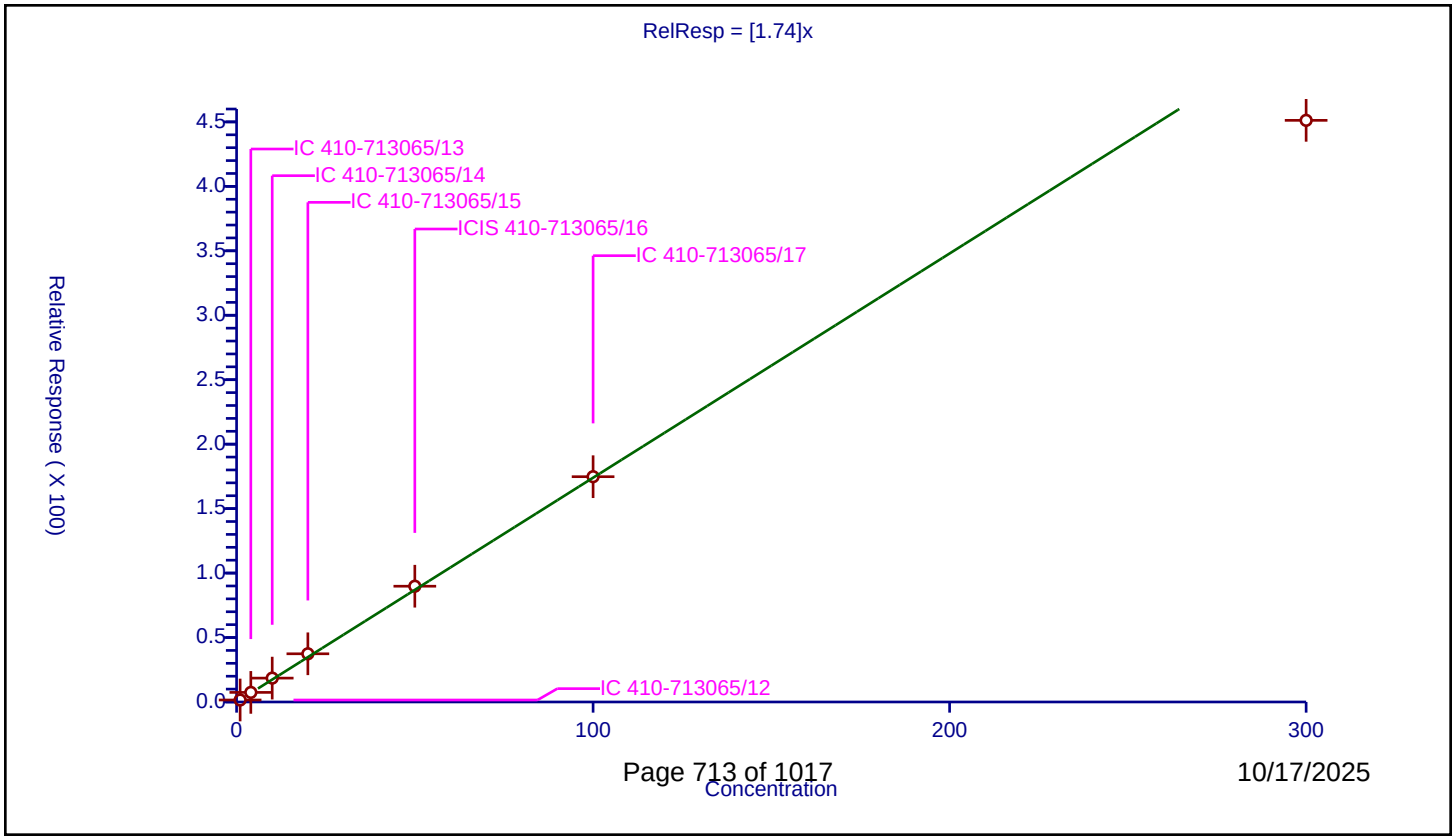
Curve Coefficients

Intercept:	0
Slope:	1.74

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	1.550153	50.0	672708.0	1.550153	Y
2	IC 410-713065/13	4.0	7.429462	50.0	659146.0	1.857365	Y
3	IC 410-713065/14	10.0	18.519471	50.0	717642.0	1.851947	Y
4	IC 410-713065/15	20.0	37.398182	50.0	726665.0	1.869909	Y
5	ICIS 410-713065/16	50.0	89.816609	50.0	755706.0	1.796332	Y
6	IC 410-713065/17	100.0	174.779116	50.0	830300.0	1.747791	Y
7	IC 410-713065/18	300.0	451.204703	50.0	937866.0	1.504016	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

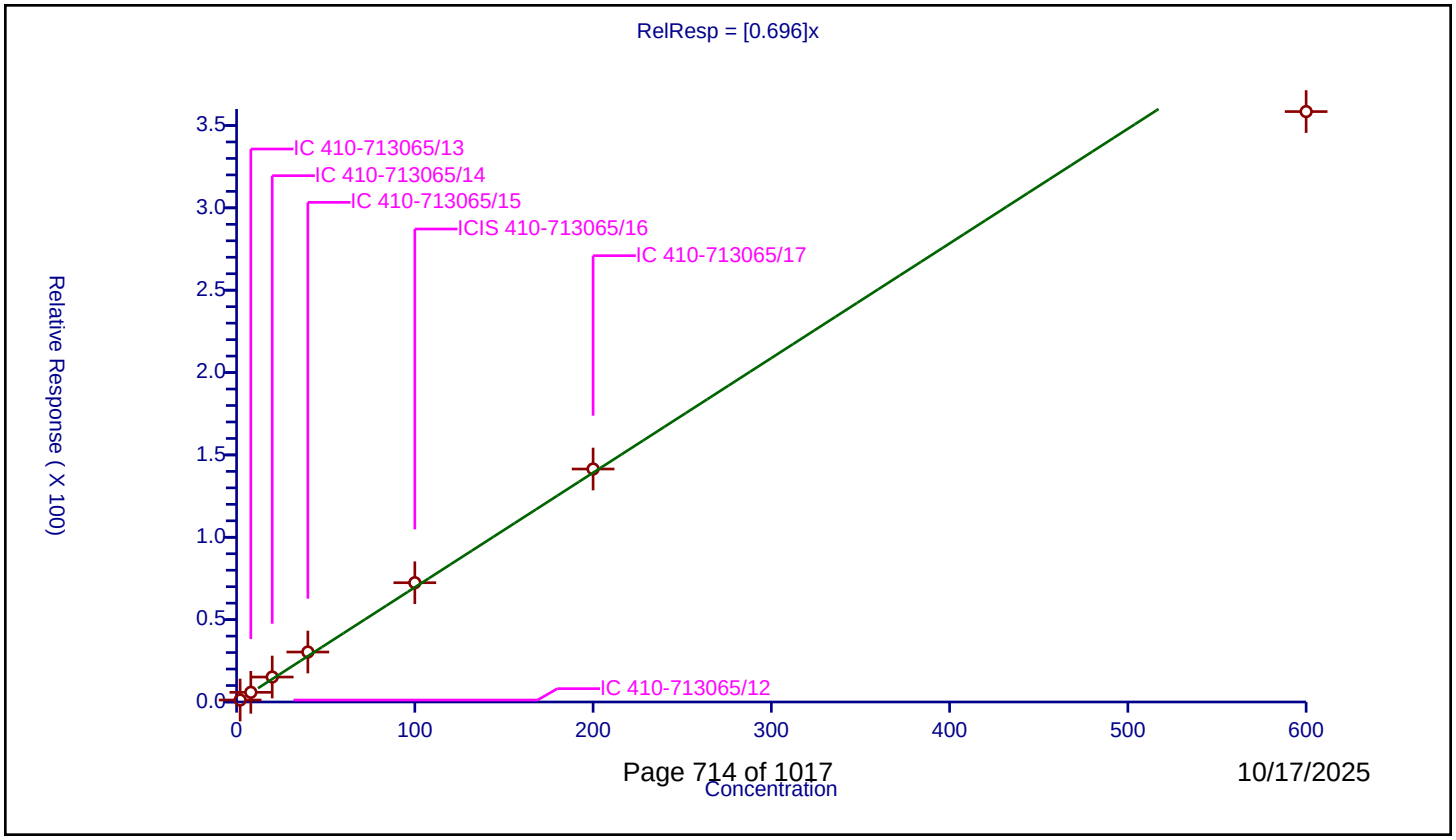
Curve Coefficients

Intercept:	0
Slope:	0.696

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	2.0	1.189521	50.0	672708.0	0.59476	Y
2	IC 410-713065/13	8.0	5.863344	50.0	659146.0	0.732918	Y
3	IC 410-713065/14	20.0	15.145226	50.0	717642.0	0.757261	Y
4	IC 410-713065/15	40.0	30.338808	50.0	726665.0	0.75847	Y
5	ICIS 410-713065/16	100.0	72.412618	50.0	755706.0	0.724126	Y
6	IC 410-713065/17	200.0	141.445441	50.0	830300.0	0.707227	Y
7	IC 410-713065/18	600.0	358.437932	50.0	937866.0	0.597397	Y



Calibration / n-Butyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

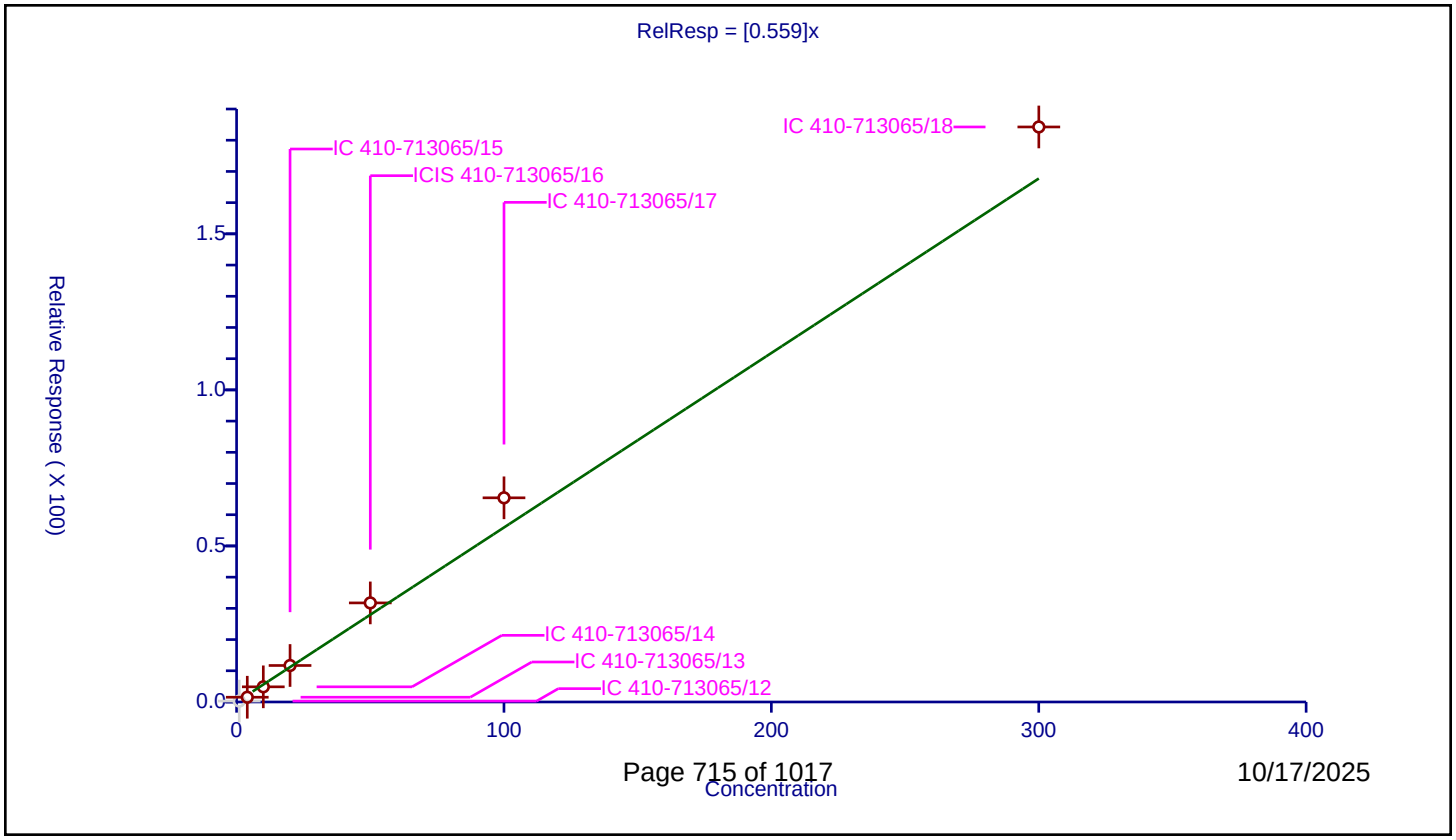
Curve Coefficients

Intercept:	0
Slope:	0.559

Error Coefficients

Relative Standard Deviation:	18.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.00011	0.297603	50.0	672708.0	0.29757	N
2	IC 410-713065/13	4.00044	1.524245	50.0	659146.0	0.381019	Y
3	IC 410-713065/14	10.0011	4.85451	50.0	717642.0	0.485398	Y
4	IC 410-713065/15	20.0022	11.697275	50.0	726665.0	0.584799	Y
5	ICIS 410-713065/16	50.0055	31.746737	50.0	755706.0	0.634865	Y
6	IC 410-713065/17	100.011	65.420029	50.0	830300.0	0.654128	Y
7	IC 410-713065/18	300.033	184.24647	50.0	937866.0	0.614087	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

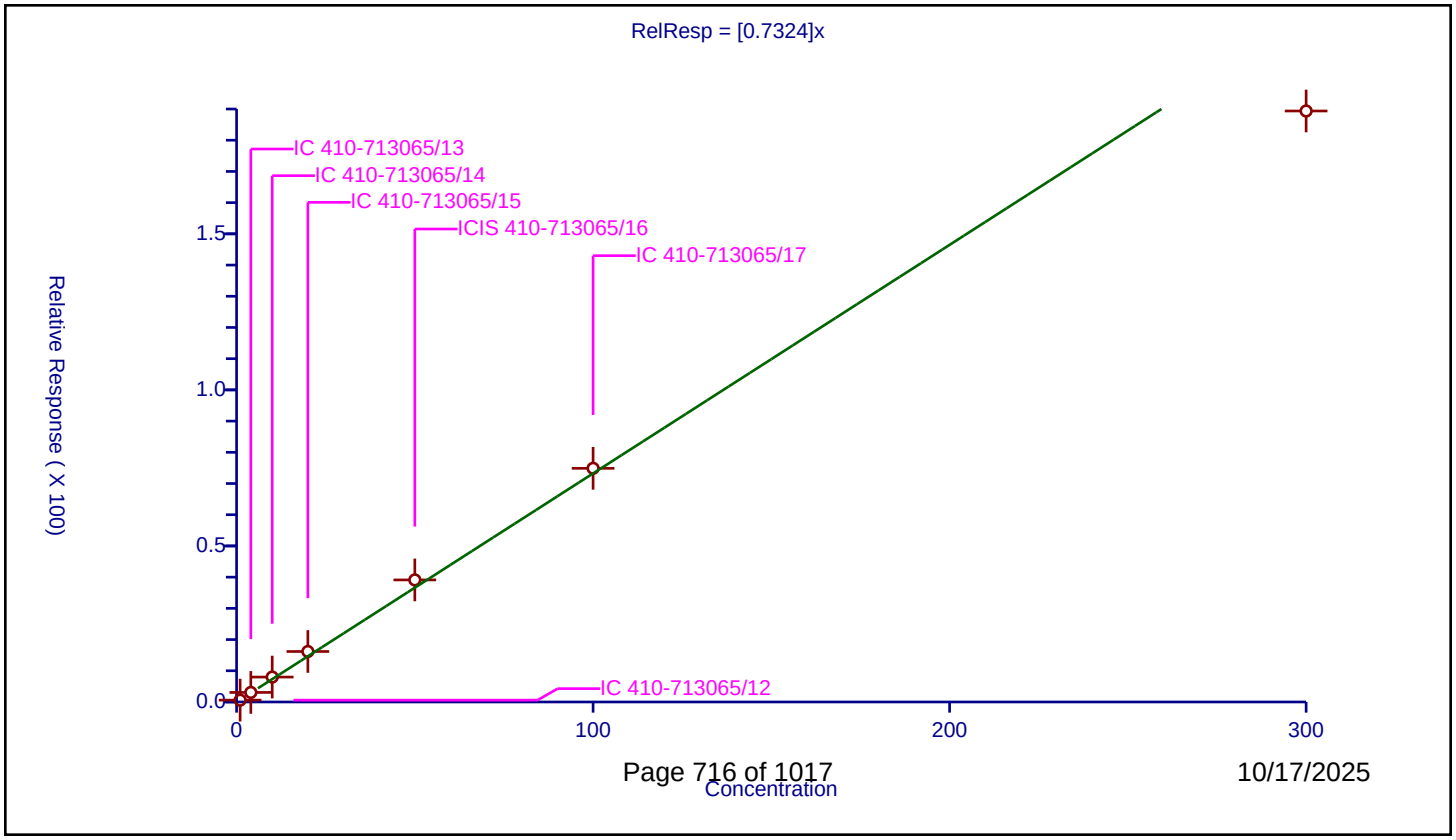
Curve Coefficients

Intercept:	0
Slope:	0.7324

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.590301	50.0	672708.0	0.590301	Y
2	IC 410-713065/13	4.0	3.065709	50.0	659146.0	0.766427	Y
3	IC 410-713065/14	10.0	7.988802	50.0	717642.0	0.79888	Y
4	IC 410-713065/15	20.0	16.177606	50.0	726665.0	0.80888	Y
5	ICIS 410-713065/16	50.0	39.110382	50.0	755706.0	0.782208	Y
6	IC 410-713065/17	100.0	74.872576	50.0	830300.0	0.748726	Y
7	IC 410-713065/18	300.0	189.366498	50.0	937866.0	0.631222	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

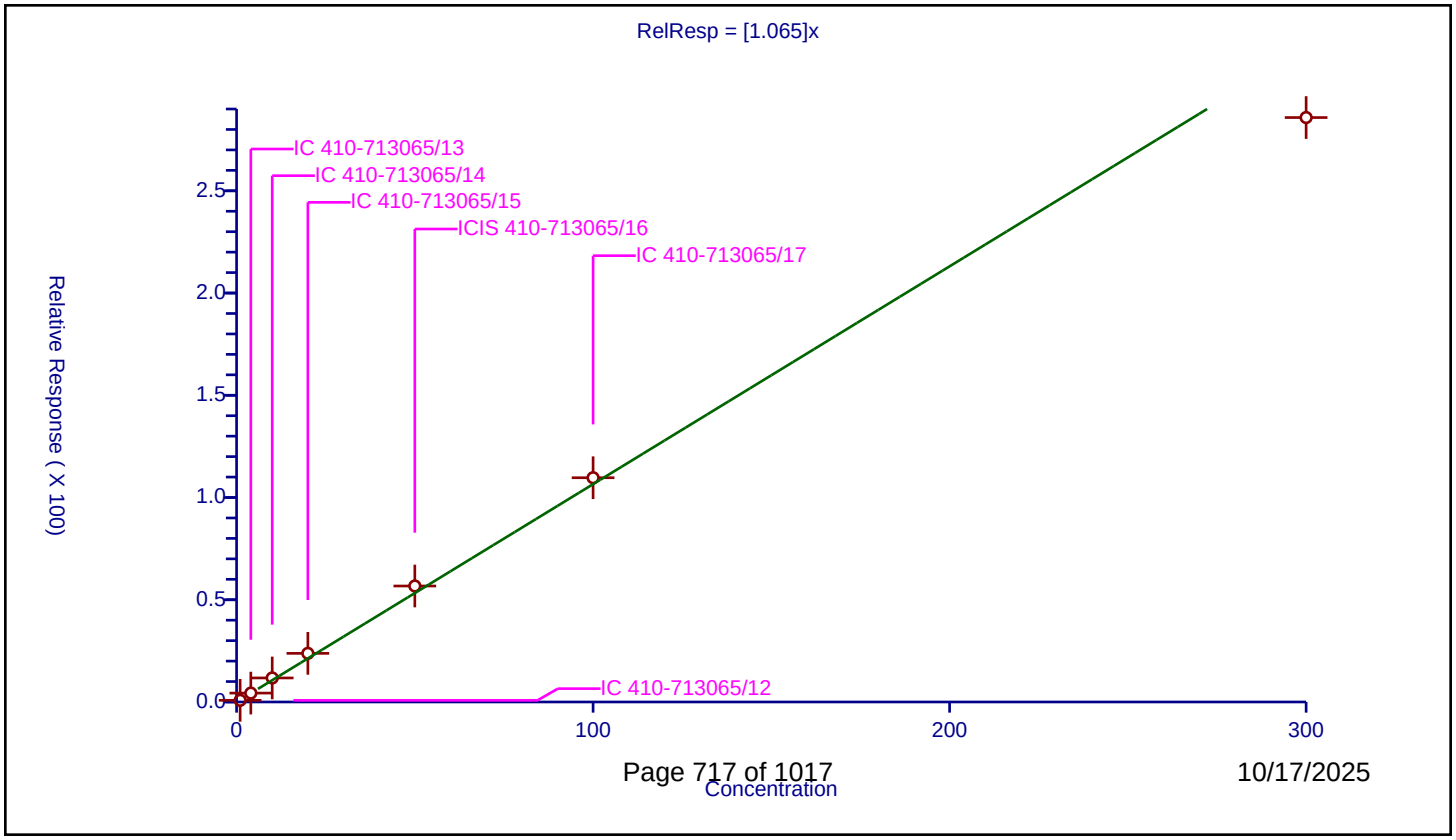
Curve Coefficients

Intercept:	0
Slope:	1.065

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.821307	50.0	672708.0	0.821307	Y
2	IC 410-713065/13	4.0	4.346685	50.0	659146.0	1.086671	Y
3	IC 410-713065/14	10.0	11.762689	50.0	717642.0	1.176269	Y
4	IC 410-713065/15	20.0	23.776844	50.0	726665.0	1.188842	Y
5	ICIS 410-713065/16	50.0	56.727947	50.0	755706.0	1.134559	Y
6	IC 410-713065/17	100.0	109.669276	50.0	830300.0	1.096693	Y
7	IC 410-713065/18	300.0	285.828839	50.0	937866.0	0.952763	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

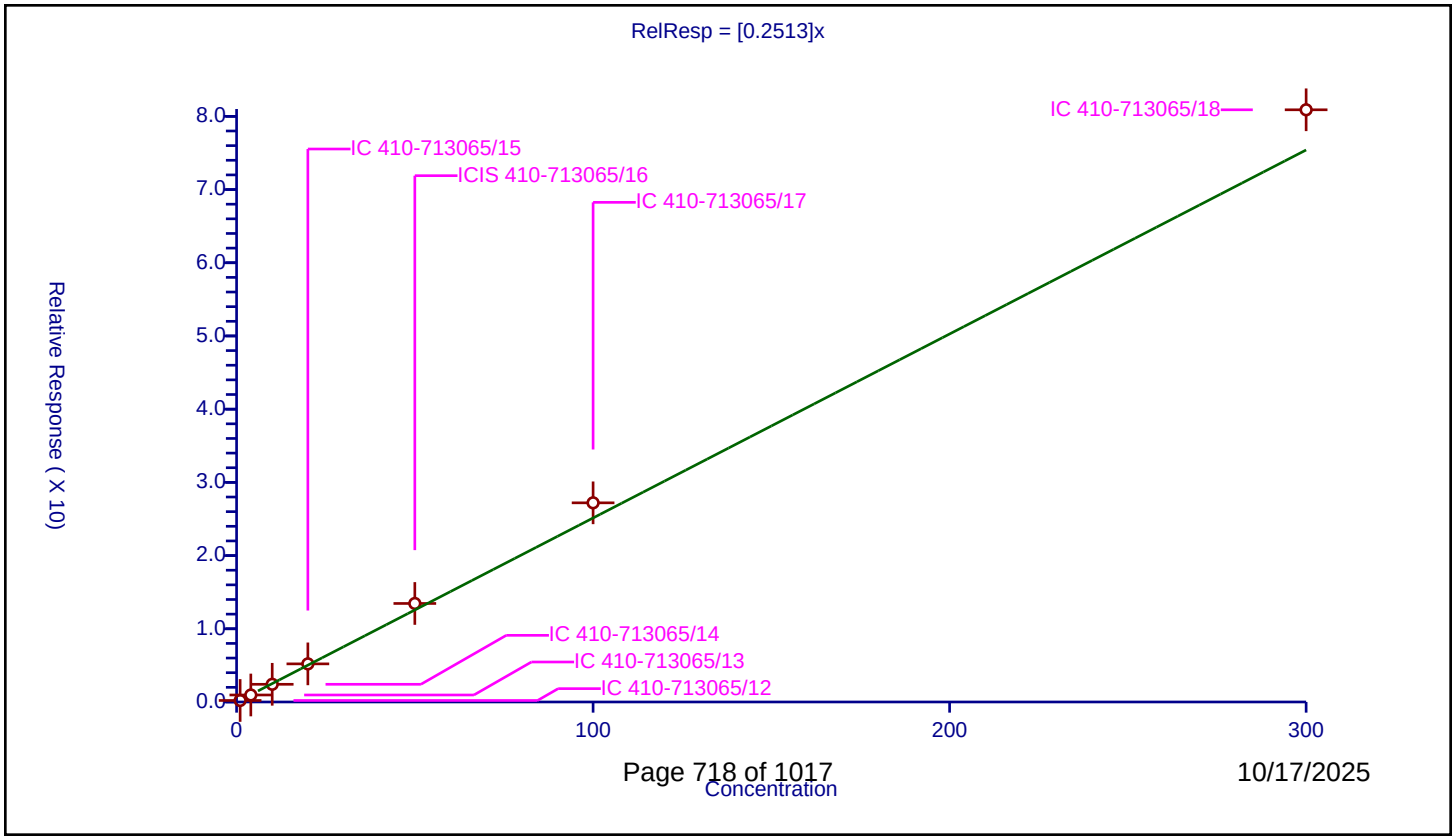
Curve Coefficients

Intercept:	0
Slope:	0.2513

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.207296	50.0	672708.0	0.207296	Y
2	IC 410-713065/13	4.0	0.956237	50.0	659146.0	0.239059	Y
3	IC 410-713065/14	10.0	2.418476	50.0	717642.0	0.241848	Y
4	IC 410-713065/15	20.0	5.207076	50.0	726665.0	0.260354	Y
5	ICIS 410-713065/16	50.0	13.457747	50.0	755706.0	0.269155	Y
6	IC 410-713065/17	100.0	27.205889	50.0	830300.0	0.272059	Y
7	IC 410-713065/18	300.0	80.893592	50.0	937866.0	0.269645	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

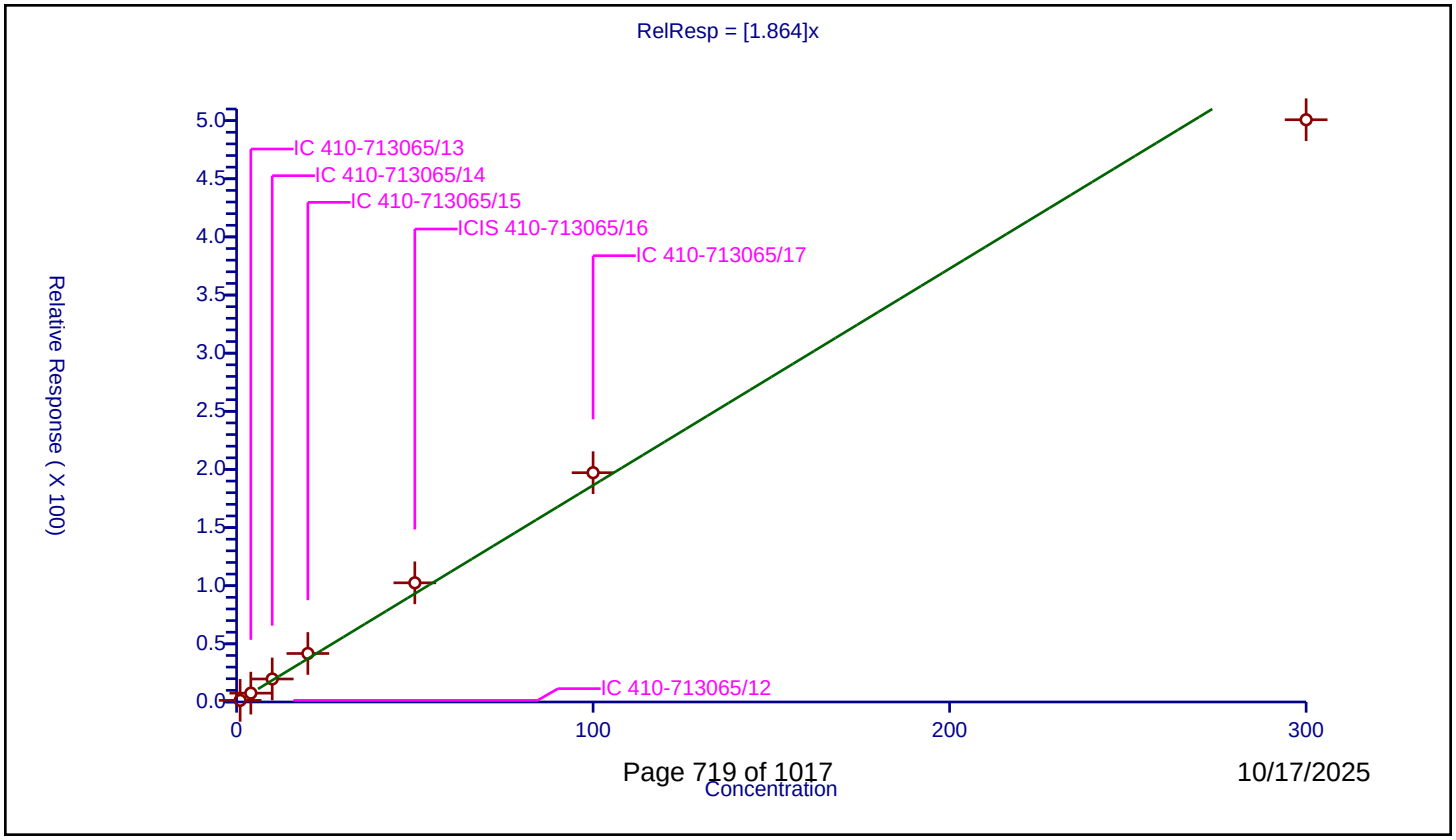
Curve Coefficients

Intercept:	0
Slope:	1.864

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	1.387229	50.0	672708.0	1.387229	Y
2	IC 410-713065/13	4.0	7.612729	50.0	659146.0	1.903182	Y
3	IC 410-713065/14	10.0	19.771209	50.0	717642.0	1.977121	Y
4	IC 410-713065/15	20.0	41.717986	50.0	726665.0	2.085899	Y
5	ICIS 410-713065/16	50.0	102.492041	50.0	755706.0	2.049841	Y
6	IC 410-713065/17	100.0	197.21438	50.0	830300.0	1.972144	Y
7	IC 410-713065/18	300.0	500.773885	50.0	937866.0	1.669246	Y



Calibration / Cyclohexanone

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

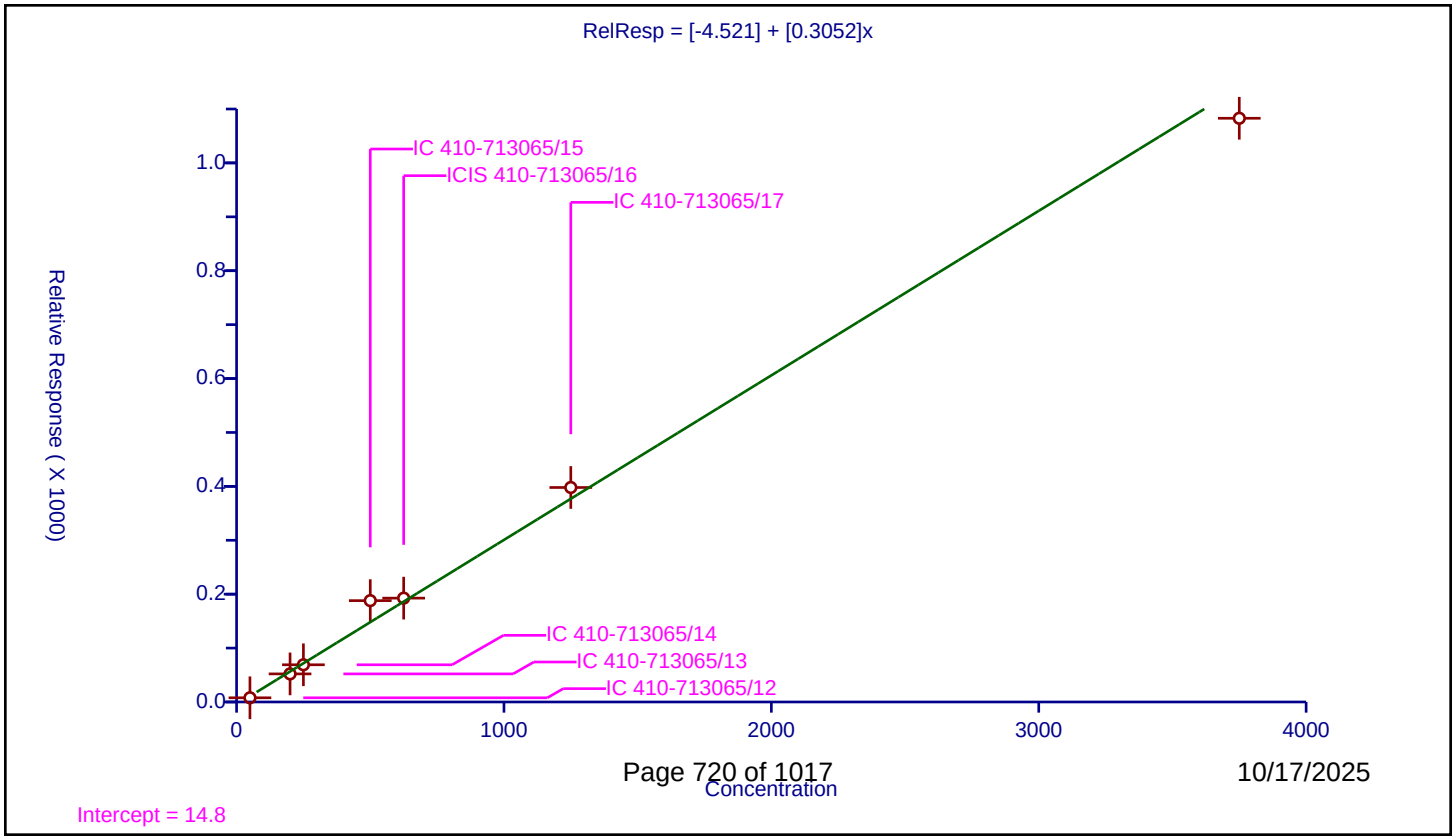
Curve Coefficients

Intercept:	-4.521
Slope:	0.3052

Error Coefficients

Relative Standard Deviation:	15.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	50.000933	7.808424	250.0	182079.0	0.156166	Y
2	IC 410-713065/13	200.003731	52.132083	250.0	191667.0	0.260656	Y
3	IC 410-713065/14	250.004664	69.022434	250.0	197961.0	0.276085	Y
4	IC 410-713065/15	500.009328	187.995012	250.0	200500.0	0.375983	Y
5	ICIS 410-713065/16	625.01166	192.663908	250.0	211734.0	0.308257	Y
6	IC 410-713065/17	1250.02332	397.878785	250.0	222679.0	0.318297	Y
7	IC 410-713065/18	3750.06996	1082.821966	250.0	243954.0	0.288747	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

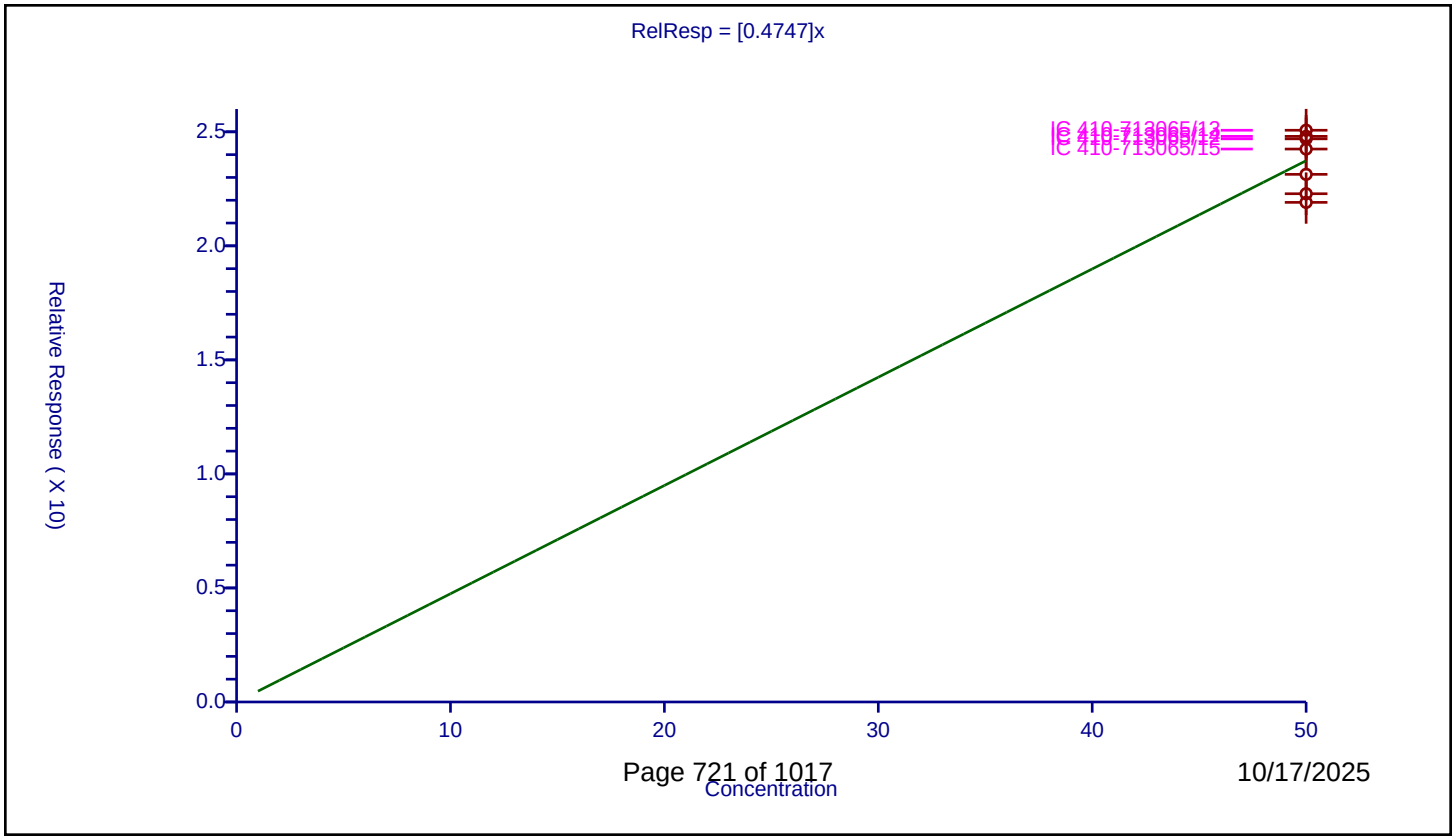
Curve Coefficients

Intercept:	0
Slope:	0.4747

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	50.0	24.691917	50.0	672708.0	0.493838	Y
2	IC 410-713065/13	50.0	25.06956	50.0	659146.0	0.501391	Y
3	IC 410-713065/14	50.0	24.80199	50.0	717642.0	0.49604	Y
4	IC 410-713065/15	50.0	24.245147	50.0	726665.0	0.484903	Y
5	ICIS 410-713065/16	50.0	23.135055	50.0	755706.0	0.462701	Y
6	IC 410-713065/17	50.0	22.285198	50.0	830300.0	0.445704	Y
7	IC 410-713065/18	50.0	21.906434	50.0	937866.0	0.438129	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

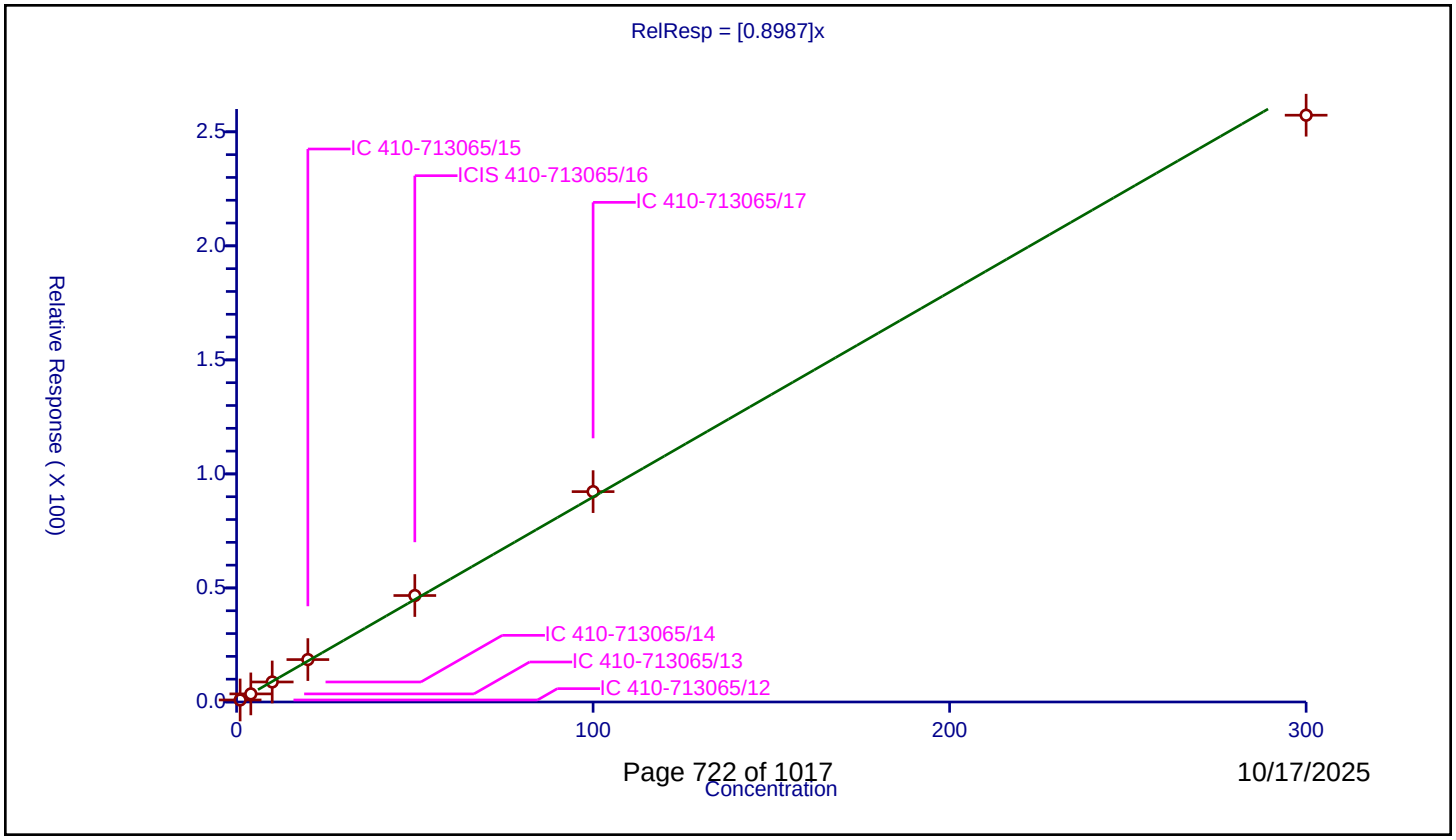
Curve Coefficients

Intercept:	0
Slope:	0.8987

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.882579	50.0	465454.0	0.882579	Y
2	IC 410-713065/13	4.0	3.54802	50.0	458622.0	0.887005	Y
3	IC 410-713065/14	10.0	8.773988	50.0	486700.0	0.877399	Y
4	IC 410-713065/15	20.0	18.600348	50.0	475561.0	0.930017	Y
5	ICIS 410-713065/16	50.0	46.680565	50.0	469839.0	0.933611	Y
6	IC 410-713065/17	100.0	92.235889	50.0	482837.0	0.922359	Y
7	IC 410-713065/18	300.0	257.288216	50.0	508005.0	0.857627	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

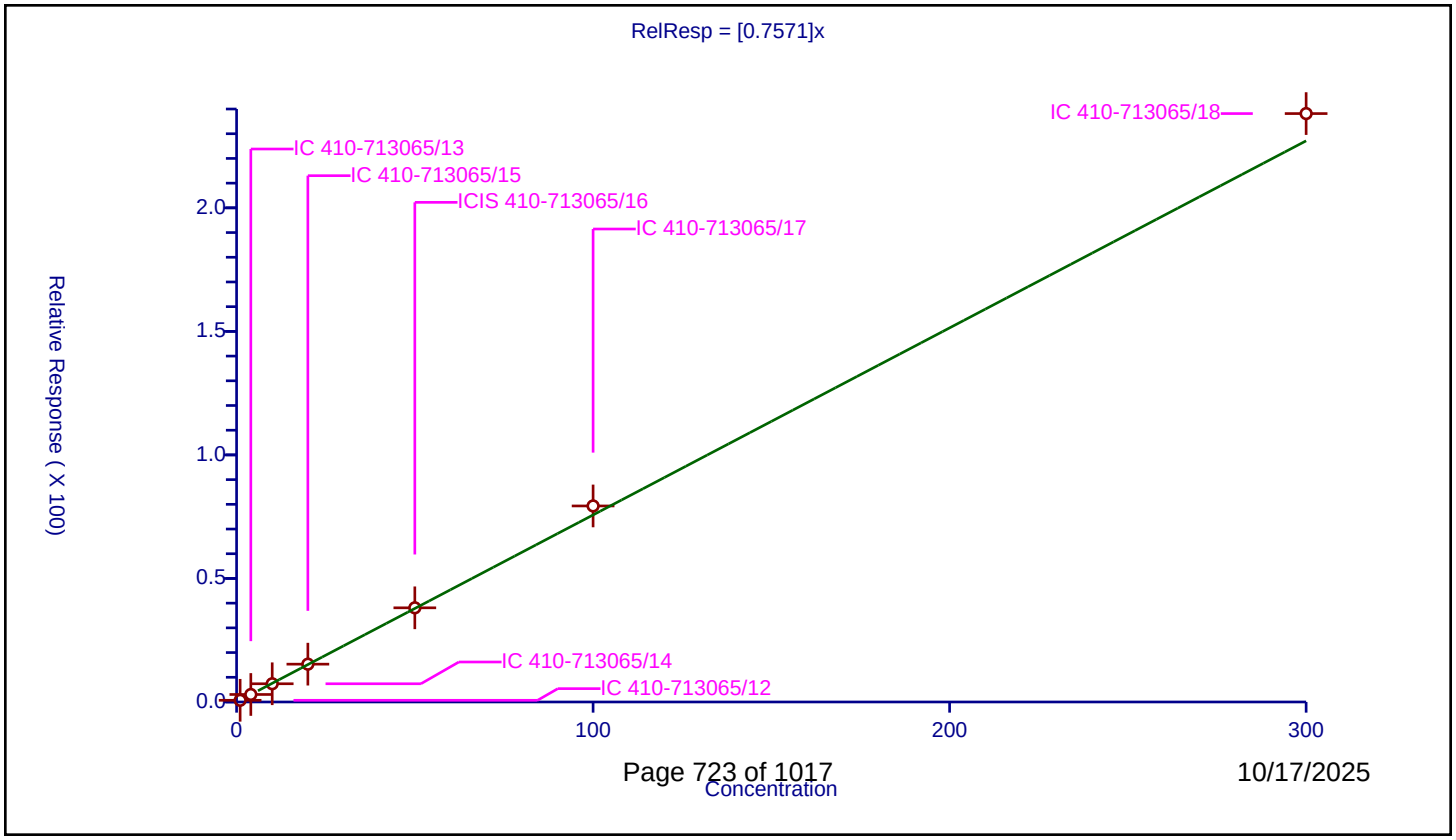
Curve Coefficients

Intercept:	0
Slope:	0.7571

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.686749	50.0	465454.0	0.686749	Y
2	IC 410-713065/13	4.0	3.03845	50.0	458622.0	0.759612	Y
3	IC 410-713065/14	10.0	7.377954	50.0	486700.0	0.737795	Y
4	IC 410-713065/15	20.0	15.314019	50.0	475561.0	0.765701	Y
5	ICIS 410-713065/16	50.0	38.117951	50.0	469839.0	0.762359	Y
6	IC 410-713065/17	100.0	79.345307	50.0	482837.0	0.793453	Y
7	IC 410-713065/18	300.0	238.158089	50.0	508005.0	0.79386	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

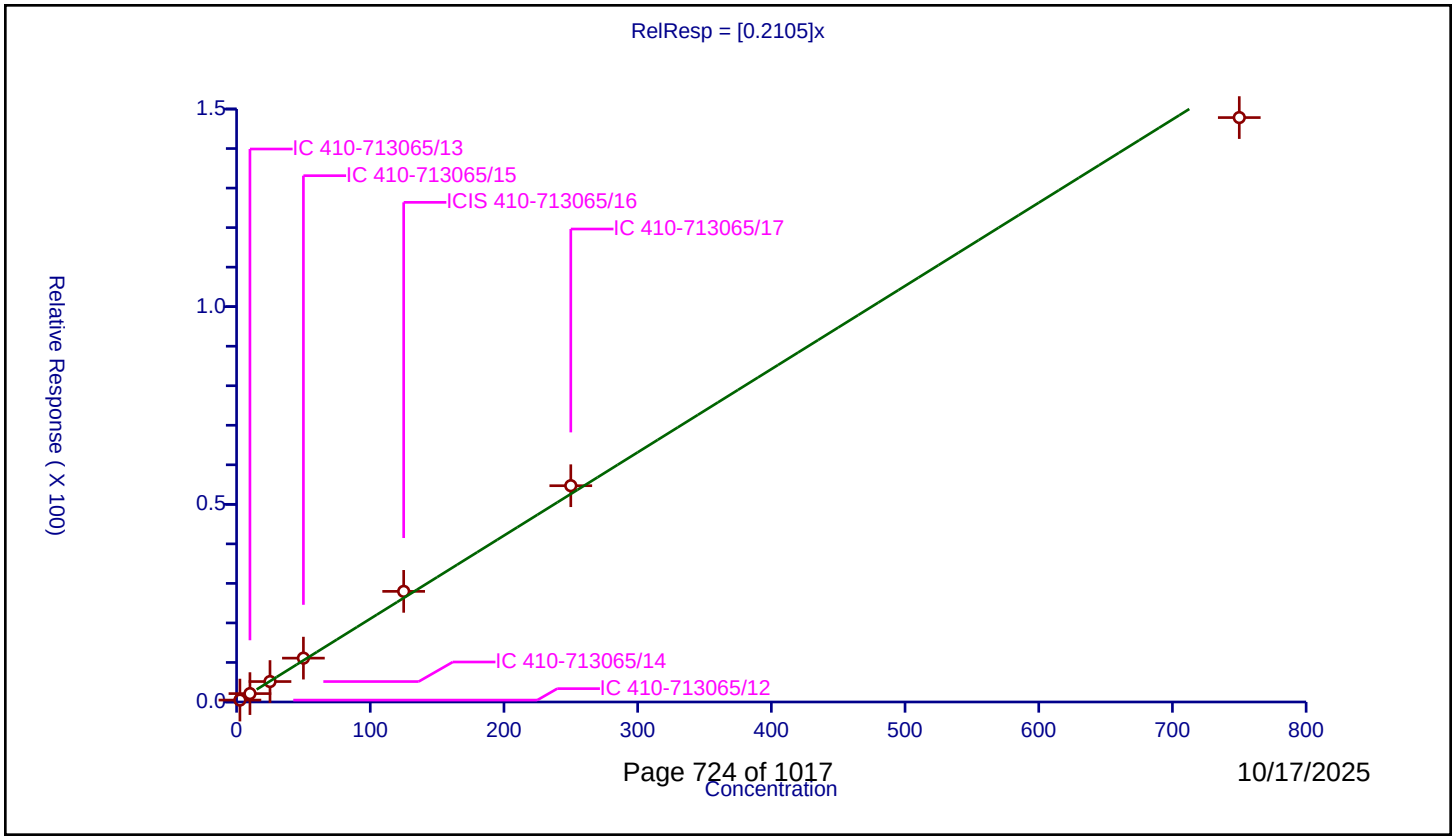
Curve Coefficients

Intercept:	0
Slope:	0.2105

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	2.5	0.48254	50.0	465454.0	0.193016	Y
2	IC 410-713065/13	10.0	2.118302	50.0	458622.0	0.21183	Y
3	IC 410-713065/14	25.0	5.172283	50.0	486700.0	0.206891	Y
4	IC 410-713065/15	50.0	11.093635	50.0	475561.0	0.221873	Y
5	ICIS 410-713065/16	125.0	27.982671	50.0	469839.0	0.223861	Y
6	IC 410-713065/17	250.0	54.708421	50.0	482837.0	0.218834	Y
7	IC 410-713065/18	750.0	147.83634	50.0	508005.0	0.197115	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

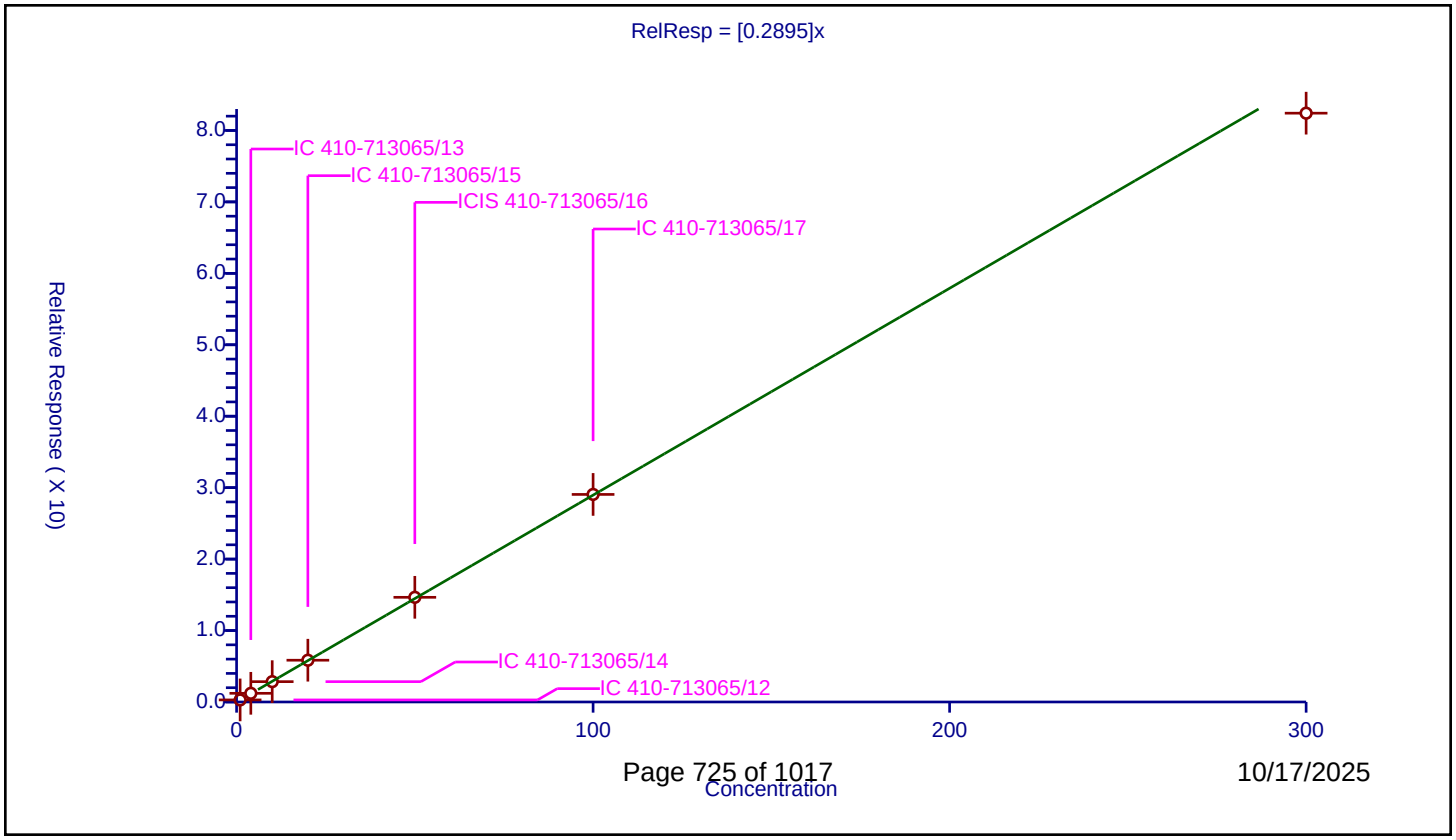
Curve Coefficients

Intercept:	0
Slope:	0.2895

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.288106	50.0	465454.0	0.288106	Y
2	IC 410-713065/13	4.0	1.214072	50.0	458622.0	0.303518	Y
3	IC 410-713065/14	10.0	2.845182	50.0	486700.0	0.284518	Y
4	IC 410-713065/15	20.0	5.846358	50.0	475561.0	0.292318	Y
5	ICIS 410-713065/16	50.0	14.651083	50.0	469839.0	0.293022	Y
6	IC 410-713065/17	100.0	29.053179	50.0	482837.0	0.290532	Y
7	IC 410-713065/18	300.0	82.416905	50.0	508005.0	0.274723	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

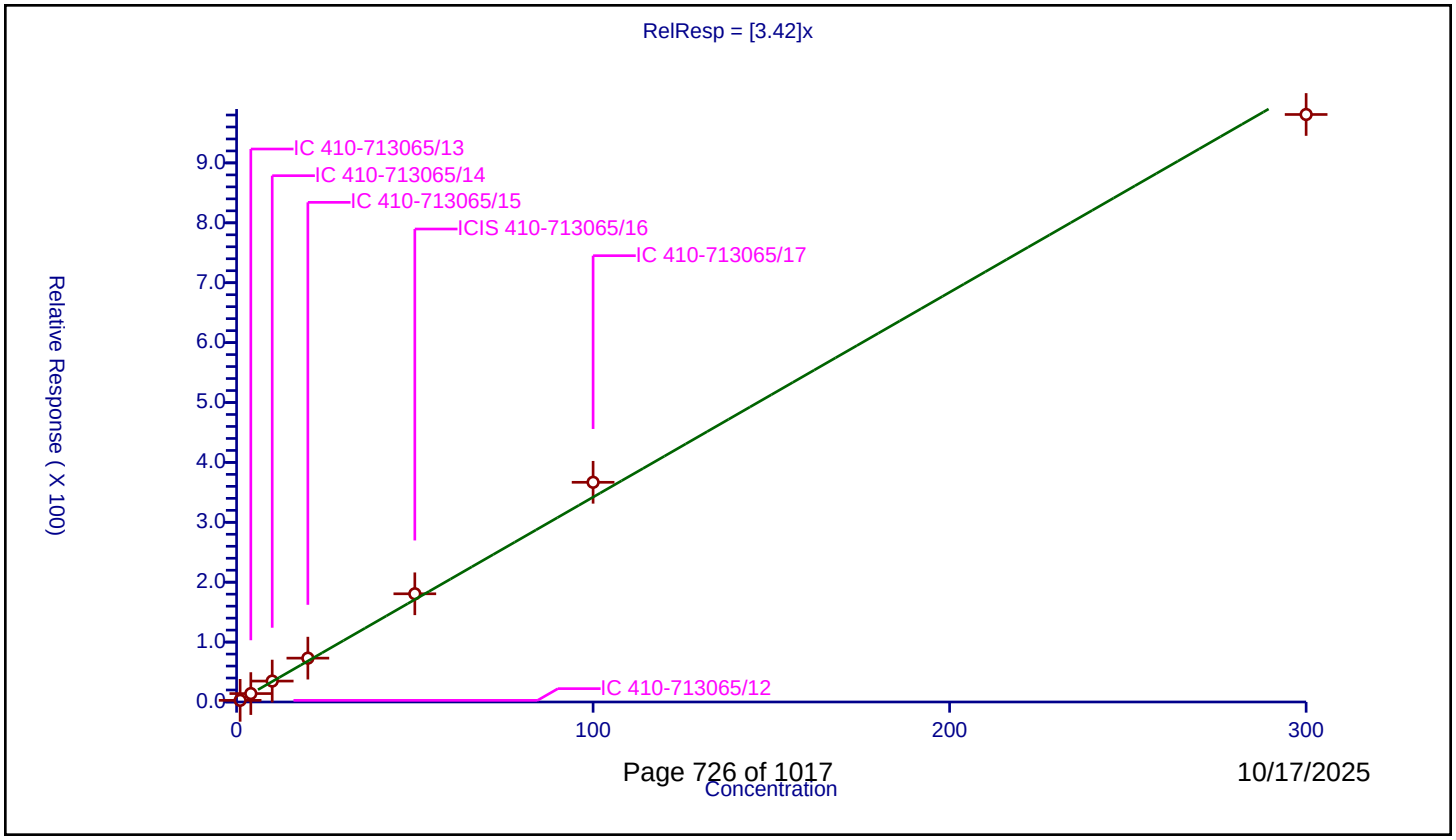
Curve Coefficients

Intercept:	0
Slope:	3.42

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	2.729271	50.0	465454.0	2.729271	Y
2	IC 410-713065/13	4.0	14.025494	50.0	458622.0	3.506373	Y
3	IC 410-713065/14	10.0	34.93949	50.0	486700.0	3.493949	Y
4	IC 410-713065/15	20.0	73.194711	50.0	475561.0	3.659736	Y
5	ICIS 410-713065/16	50.0	180.630705	50.0	469839.0	3.612614	Y
6	IC 410-713065/17	100.0	366.810124	50.0	482837.0	3.668101	Y
7	IC 410-713065/18	300.0	980.85324	50.0	508005.0	3.269511	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

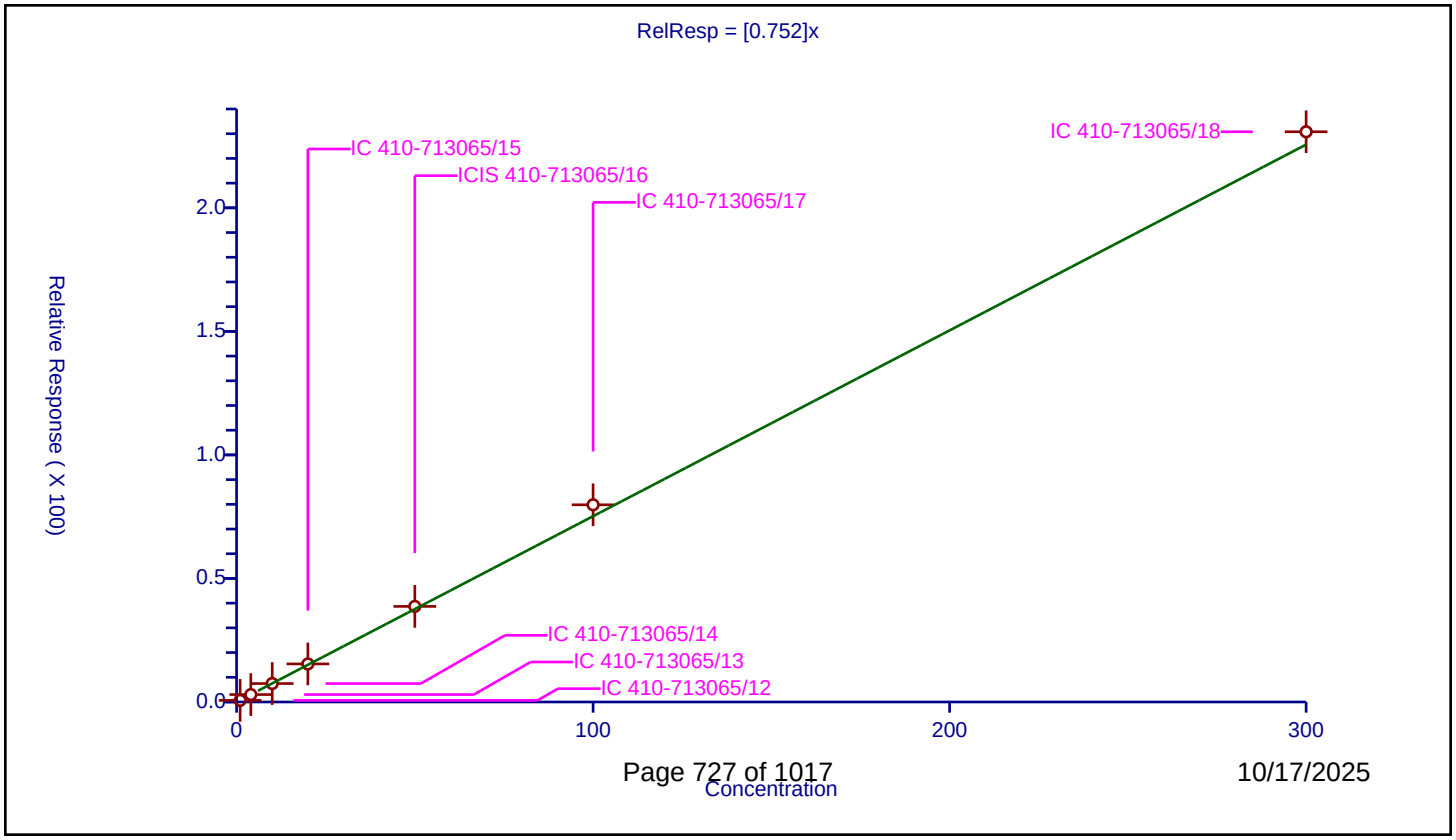
Curve Coefficients

Intercept:	0
Slope:	0.752

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.654952	50.0	465454.0	0.654952	Y
2	IC 410-713065/13	4.0	3.005416	50.0	458622.0	0.751354	Y
3	IC 410-713065/14	10.0	7.462913	50.0	486700.0	0.746291	Y
4	IC 410-713065/15	20.0	15.405384	50.0	475561.0	0.770269	Y
5	ICIS 410-713065/16	50.0	38.685699	50.0	469839.0	0.773714	Y
6	IC 410-713065/17	100.0	79.809128	50.0	482837.0	0.798091	Y
7	IC 410-713065/18	300.0	230.798516	50.0	508005.0	0.769328	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

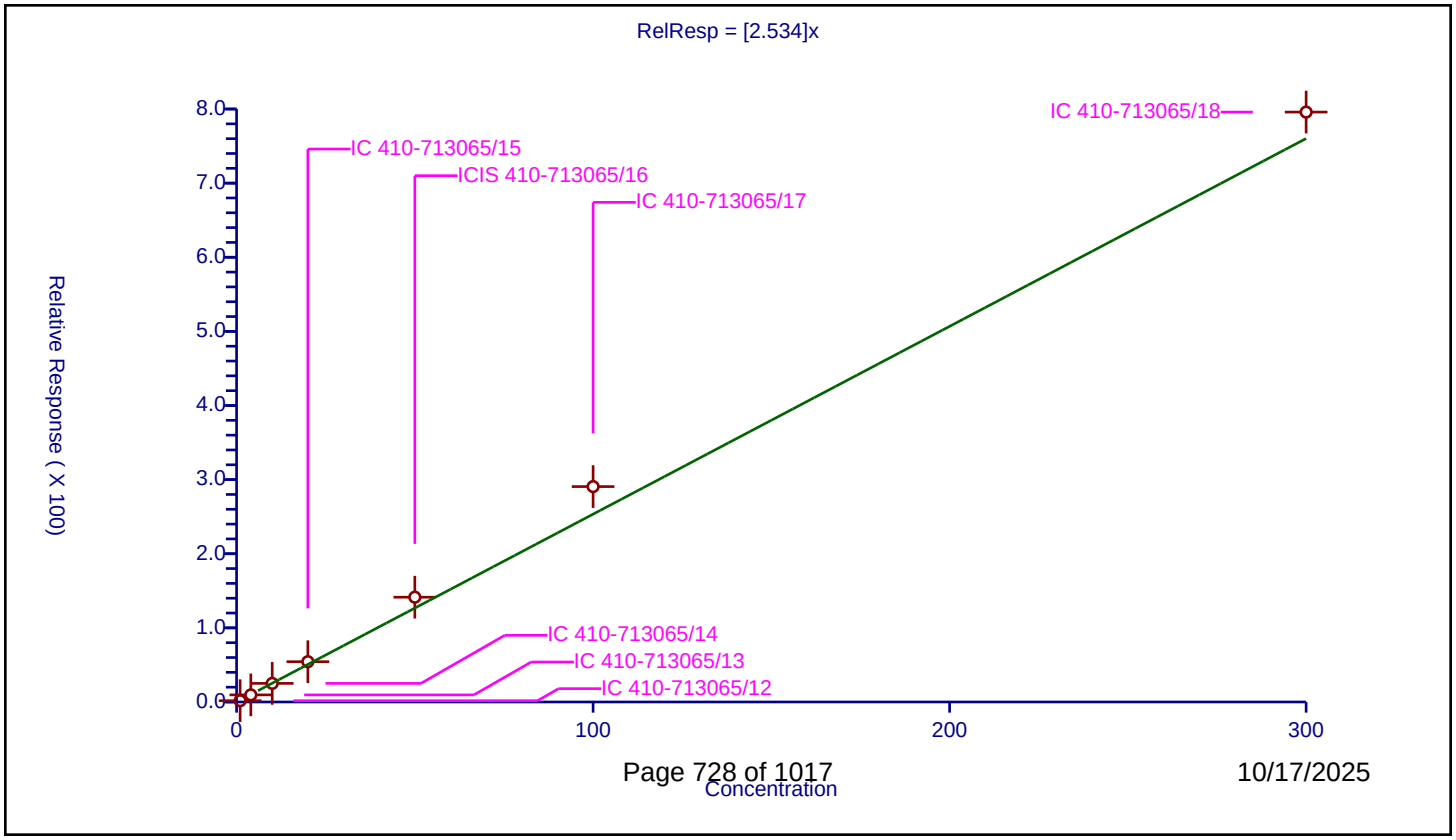
Curve Coefficients

Intercept:	0
Slope:	2.534

Error Coefficients

Relative Standard Deviation:	15.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	1.732932	50.0	465454.0	1.732932	Y
2	IC 410-713065/13	4.0	9.570954	50.0	458622.0	2.392738	Y
3	IC 410-713065/14	10.0	25.079823	50.0	486700.0	2.507982	Y
4	IC 410-713065/15	20.0	54.352859	50.0	475561.0	2.717643	Y
5	ICIS 410-713065/16	50.0	141.371087	50.0	469839.0	2.827422	Y
6	IC 410-713065/17	100.0	290.606664	50.0	482837.0	2.906067	Y
7	IC 410-713065/18	300.0	795.86008	50.0	508005.0	2.652867	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

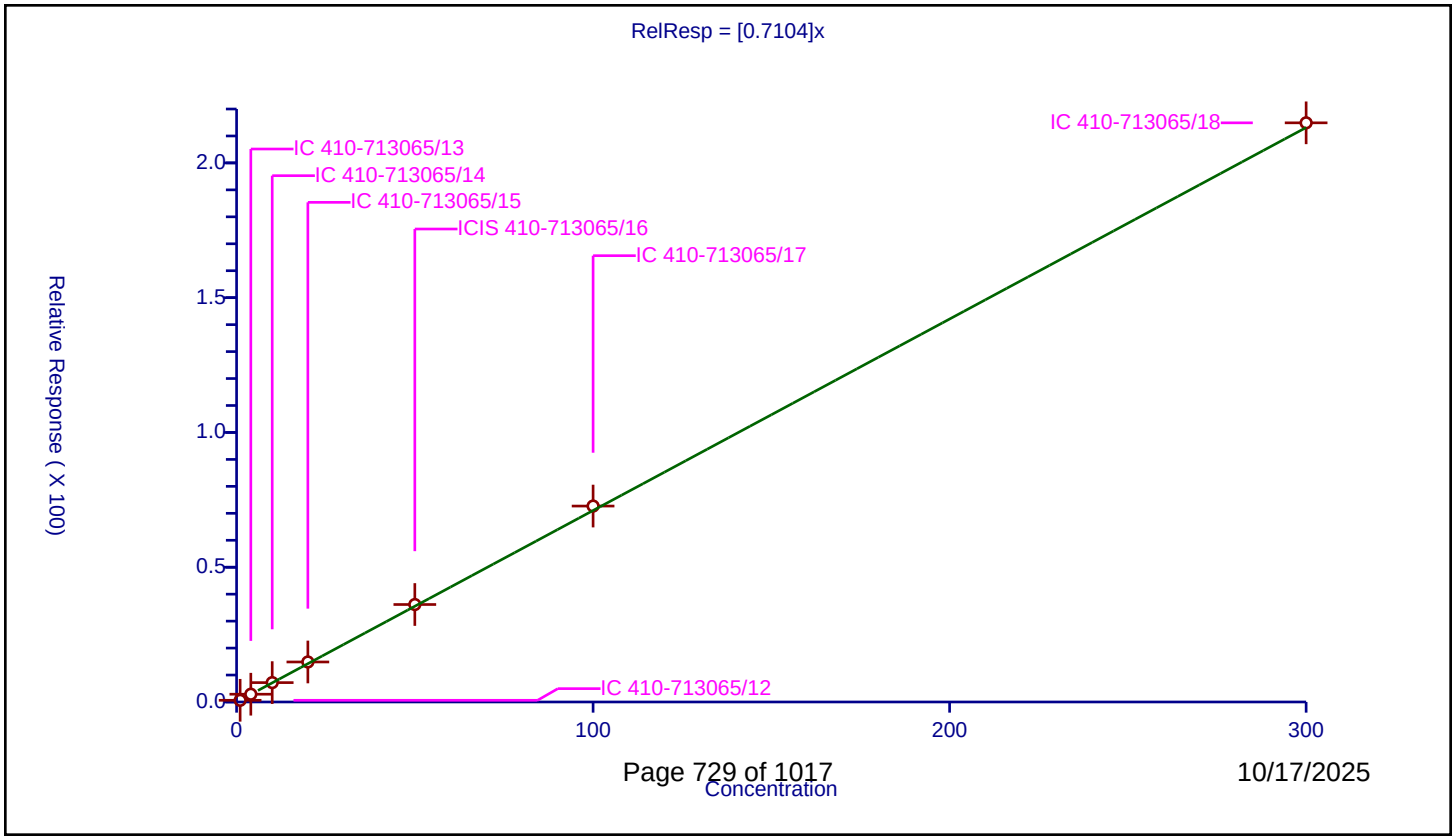
Curve Coefficients

Intercept:	0
Slope:	0.7104

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.6238	50.0	465454.0	0.6238	Y
2	IC 410-713065/13	4.0	2.887454	50.0	458622.0	0.721864	Y
3	IC 410-713065/14	10.0	7.18872	50.0	486700.0	0.718872	Y
4	IC 410-713065/15	20.0	14.841209	50.0	475561.0	0.74206	Y
5	ICIS 410-713065/16	50.0	36.161217	50.0	469839.0	0.723224	Y
6	IC 410-713065/17	100.0	72.690991	50.0	482837.0	0.72691	Y
7	IC 410-713065/18	300.0	214.874854	50.0	508005.0	0.71625	Y



10/17/2025

Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

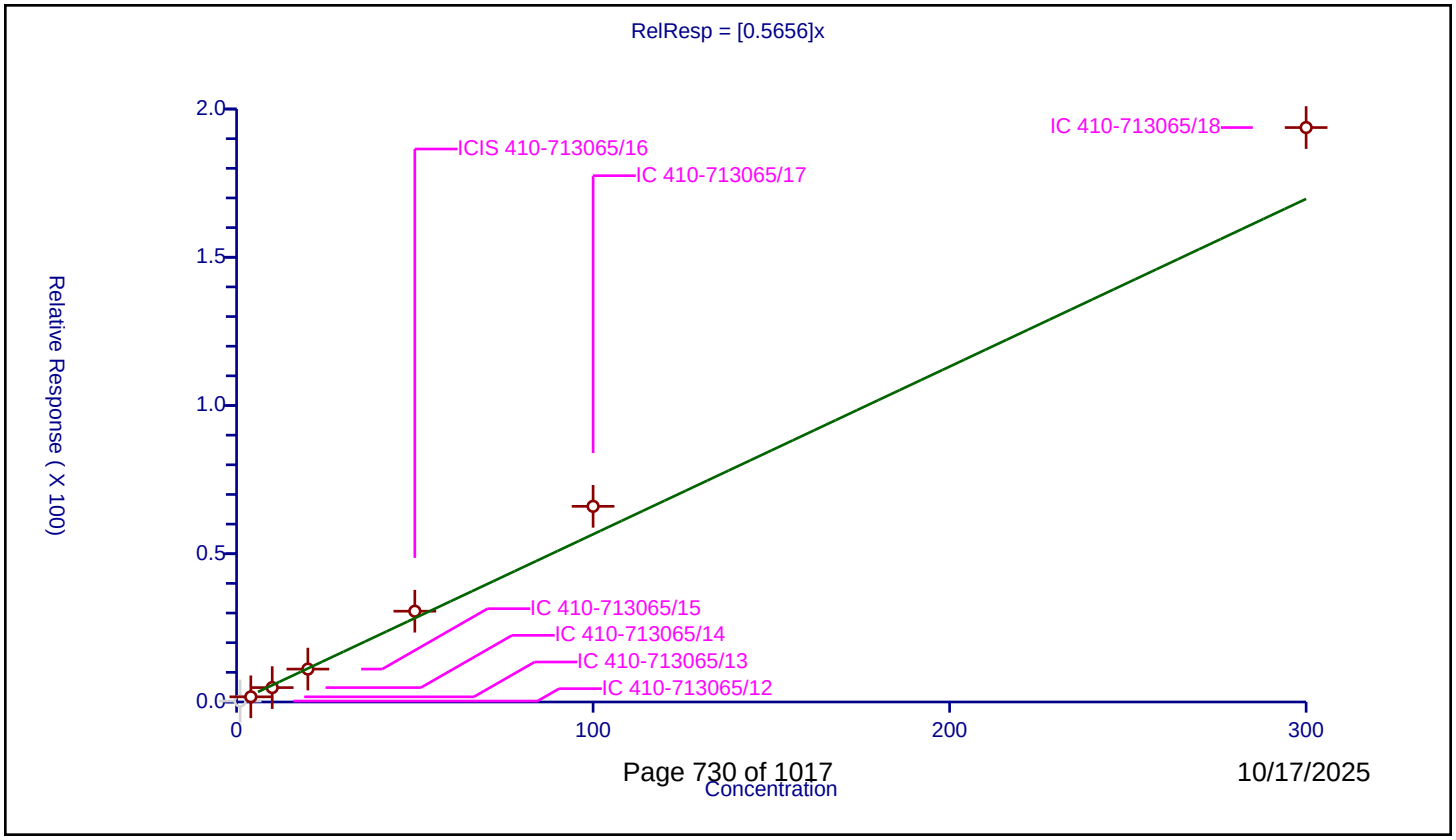
Curve Coefficients

Intercept:	0
Slope:	0.5656

Error Coefficients

Relative Standard Deviation:	16.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.320225	50.0	465454.0	0.320225	N
2	IC 410-713065/13	4.0	1.742721	50.0	458622.0	0.43568	Y
3	IC 410-713065/14	10.0	4.852065	50.0	486700.0	0.485206	Y
4	IC 410-713065/15	20.0	11.091427	50.0	475561.0	0.554571	Y
5	ICIS 410-713065/16	50.0	30.62432	50.0	469839.0	0.612486	Y
6	IC 410-713065/17	100.0	65.993803	50.0	482837.0	0.659938	Y
7	IC 410-713065/18	300.0	193.745928	50.0	508005.0	0.64582	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

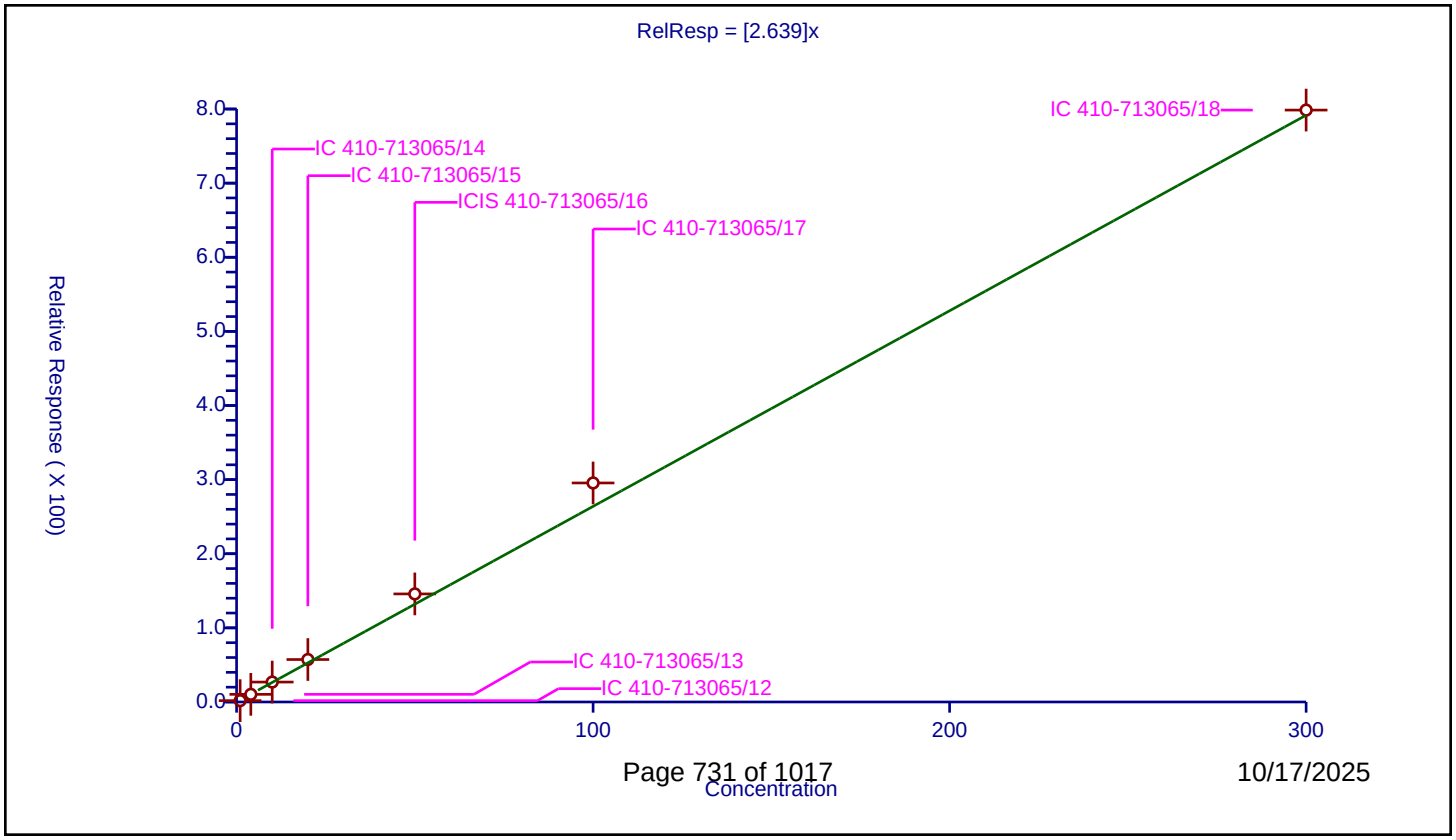
Curve Coefficients

Intercept:	0
Slope:	2.639

Error Coefficients

Relative Standard Deviation:	14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	1.805764	50.0	465454.0	1.805764	Y
2	IC 410-713065/13	4.0	10.322335	50.0	458622.0	2.580584	Y
3	IC 410-713065/14	10.0	26.886994	50.0	486700.0	2.688699	Y
4	IC 410-713065/15	20.0	57.279718	50.0	475561.0	2.863986	Y
5	ICIS 410-713065/16	50.0	145.81048	50.0	469839.0	2.91621	Y
6	IC 410-713065/17	100.0	295.486676	50.0	482837.0	2.954867	Y
7	IC 410-713065/18	300.0	798.558676	50.0	508005.0	2.661862	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

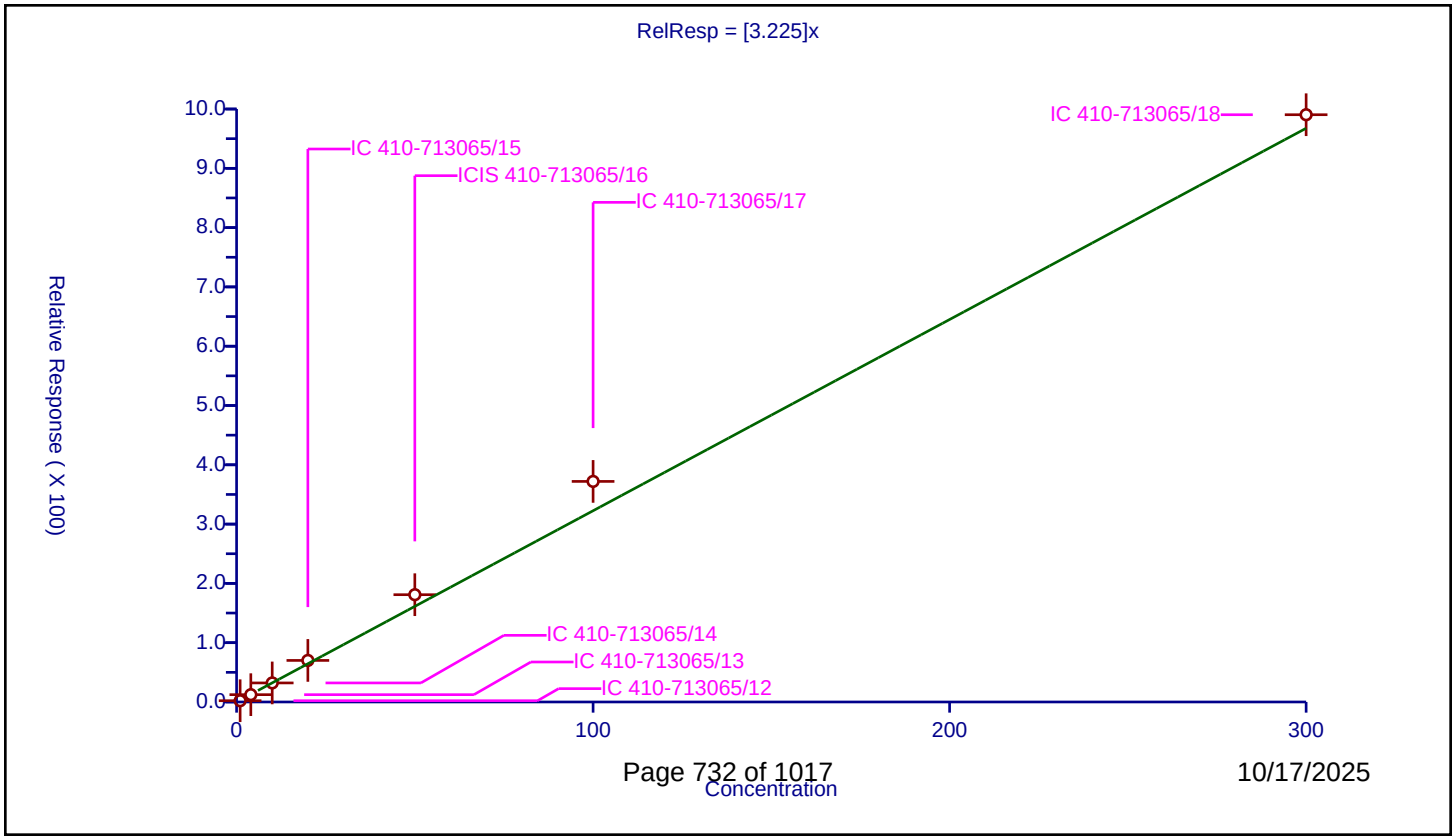
Curve Coefficients

Intercept:	0
Slope:	3.225

Error Coefficients

Relative Standard Deviation:	16.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	2.131038	50.0	465454.0	2.131038	Y
2	IC 410-713065/13	4.0	12.346333	50.0	458622.0	3.086583	Y
3	IC 410-713065/14	10.0	32.131703	50.0	486700.0	3.21317	Y
4	IC 410-713065/15	20.0	70.096686	50.0	475561.0	3.504834	Y
5	ICIS 410-713065/16	50.0	180.955072	50.0	469839.0	3.619101	Y
6	IC 410-713065/17	100.0	371.981331	50.0	482837.0	3.719813	Y
7	IC 410-713065/18	300.0	990.396748	50.0	508005.0	3.301322	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

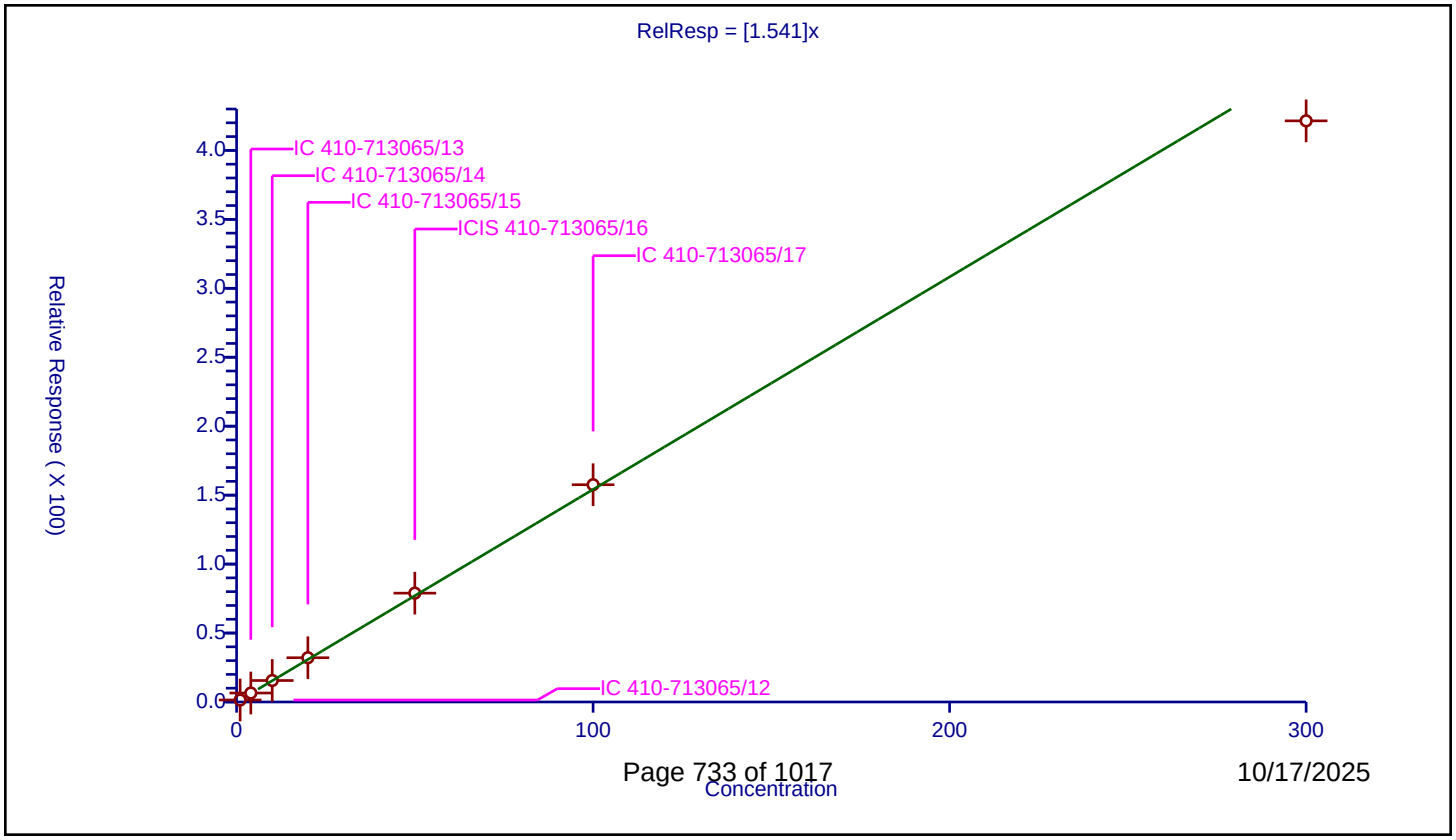
Curve Coefficients

Intercept:	0
Slope:	1.541

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	1.443	50.0	465454.0	1.443	Y
2	IC 410-713065/13	4.0	6.501542	50.0	458622.0	1.625385	Y
3	IC 410-713065/14	10.0	15.572324	50.0	486700.0	1.557232	Y
4	IC 410-713065/15	20.0	32.08621	50.0	475561.0	1.60431	Y
5	ICIS 410-713065/16	50.0	78.924163	50.0	469839.0	1.578483	Y
6	IC 410-713065/17	100.0	157.549546	50.0	482837.0	1.575495	Y
7	IC 410-713065/18	300.0	421.421344	50.0	508005.0	1.404738	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

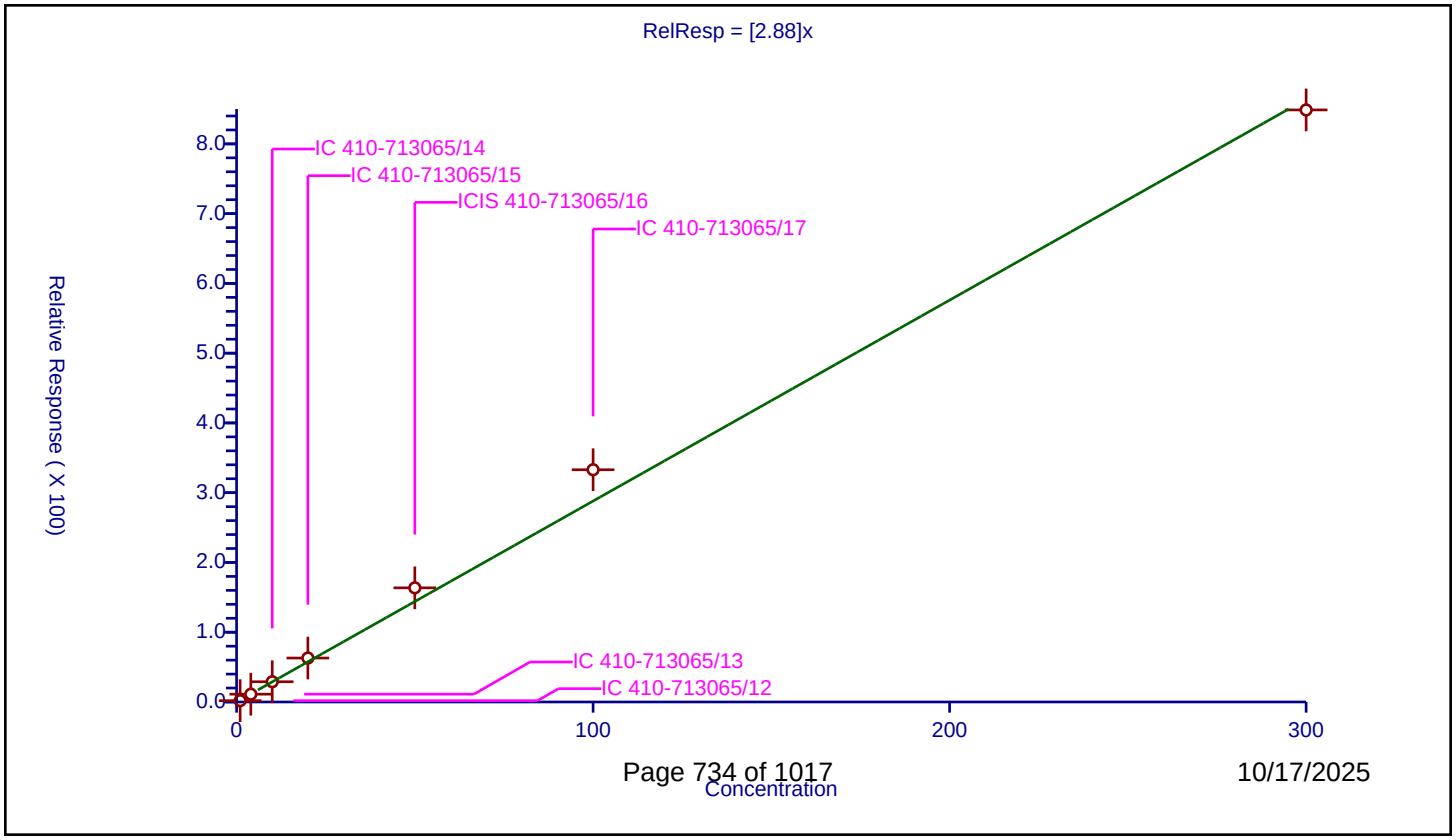
Curve Coefficients

Intercept:	0
Slope:	2.88

Error Coefficients

Relative Standard Deviation:	17.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	1.880422	50.0	465454.0	1.880422	Y
2	IC 410-713065/13	4.0	11.189934	50.0	458622.0	2.797484	Y
3	IC 410-713065/14	10.0	29.017978	50.0	486700.0	2.901798	Y
4	IC 410-713065/15	20.0	63.003274	50.0	475561.0	3.150164	Y
5	ICIS 410-713065/16	50.0	163.609449	50.0	469839.0	3.272189	Y
6	IC 410-713065/17	100.0	332.928711	50.0	482837.0	3.329287	Y
7	IC 410-713065/18	300.0	848.7008	50.0	508005.0	2.829003	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

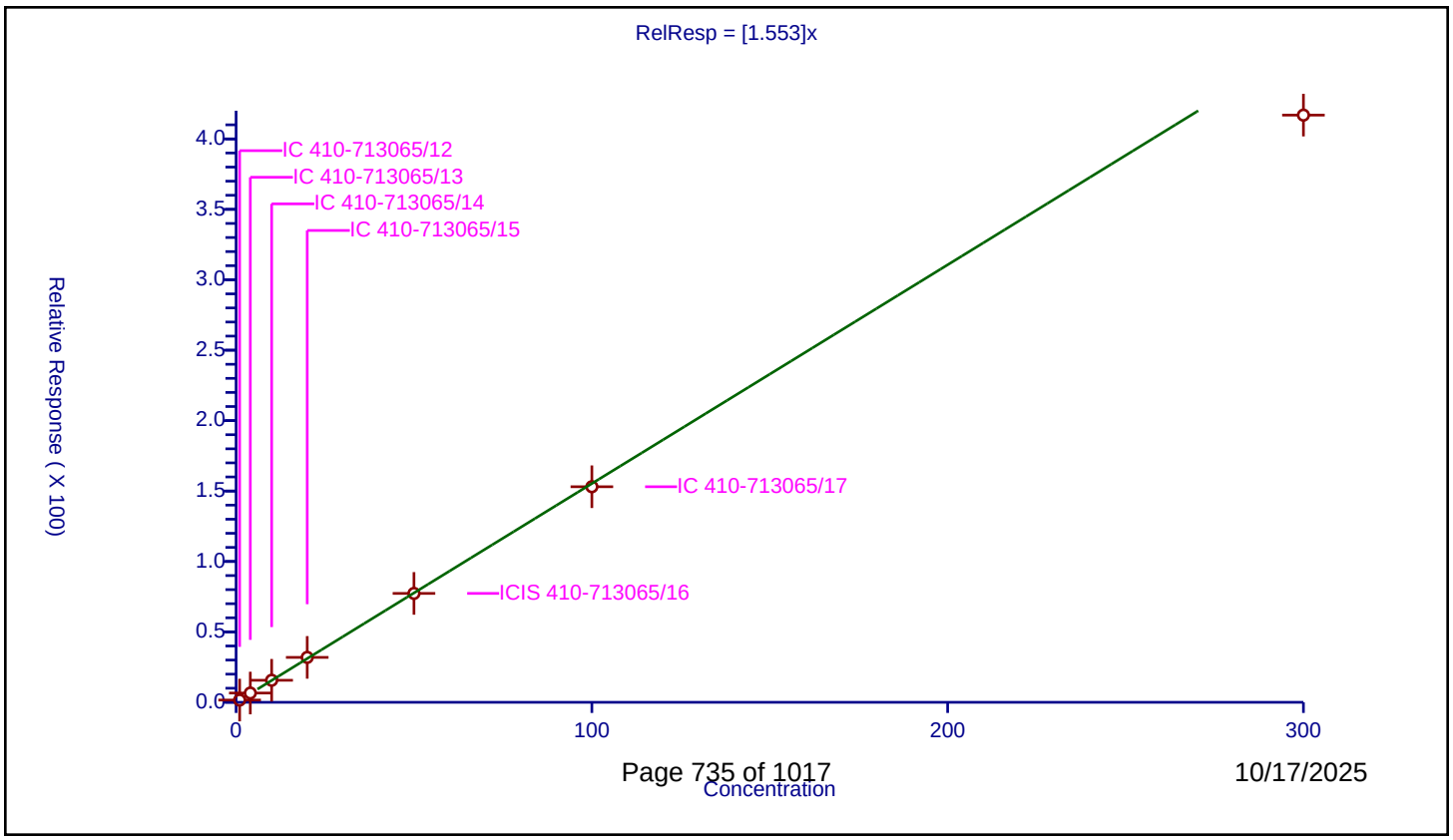
Curve Coefficients

Intercept:	0
Slope:	1.553

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	1.598225	50.0	465454.0	1.598225	Y
2	IC 410-713065/13	4.0	6.585598	50.0	458622.0	1.646399	Y
3	IC 410-713065/14	10.0	15.652866	50.0	486700.0	1.565287	Y
4	IC 410-713065/15	20.0	31.900114	50.0	475561.0	1.595006	Y
5	ICIS 410-713065/16	50.0	77.325956	50.0	469839.0	1.546519	Y
6	IC 410-713065/17	100.0	153.063767	50.0	482837.0	1.530638	Y
7	IC 410-713065/18	300.0	416.896389	50.0	508005.0	1.389655	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

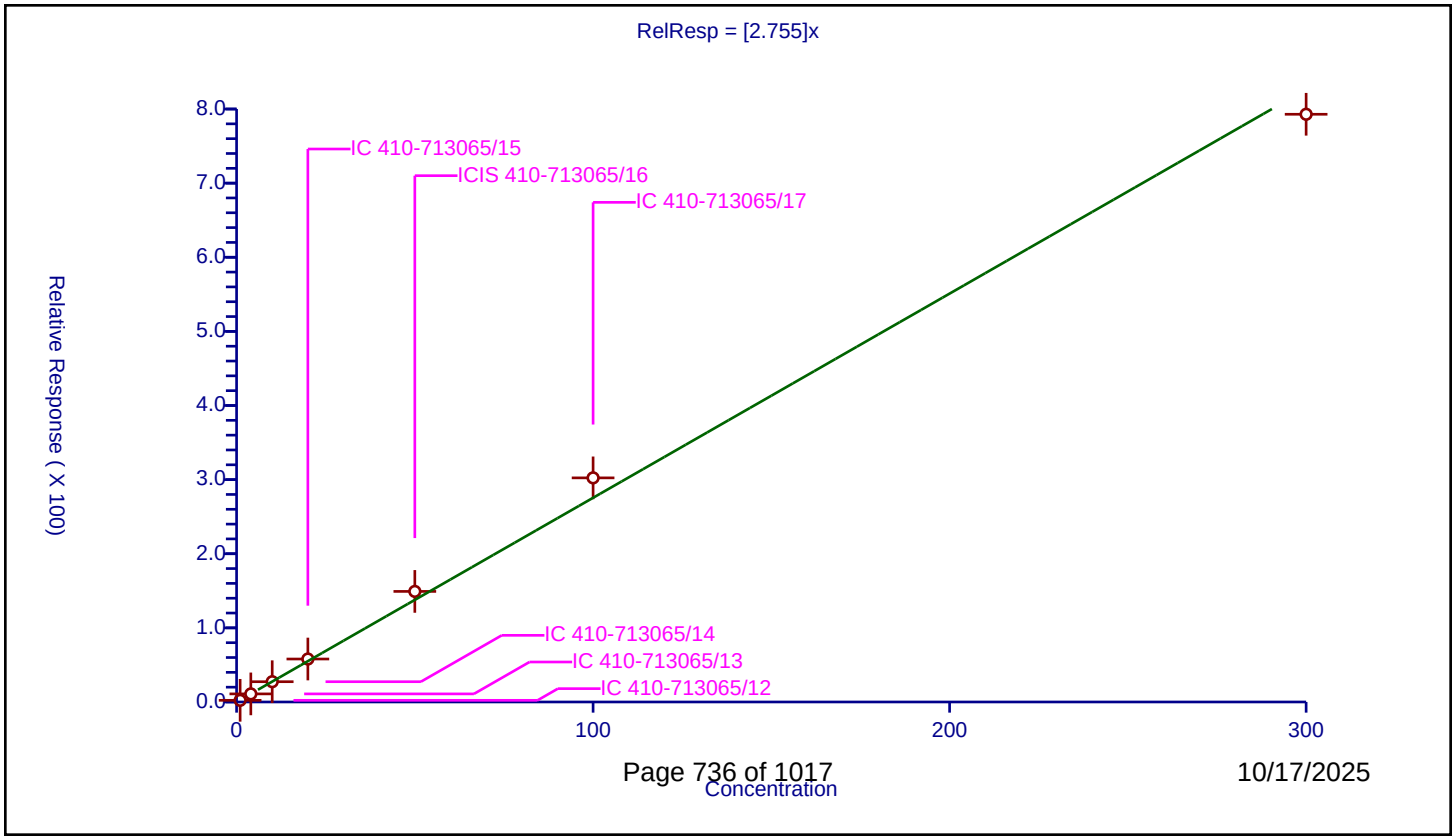
Curve Coefficients

Intercept:	0
Slope:	2.755

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	2.265423	50.0	465454.0	2.265423	Y
2	IC 410-713065/13	4.0	10.93057	50.0	458622.0	2.732643	Y
3	IC 410-713065/14	10.0	27.367886	50.0	486700.0	2.736789	Y
4	IC 410-713065/15	20.0	57.977946	50.0	475561.0	2.898897	Y
5	ICIS 410-713065/16	50.0	149.167268	50.0	469839.0	2.983345	Y
6	IC 410-713065/17	100.0	302.37254	50.0	482837.0	3.023725	Y
7	IC 410-713065/18	300.0	792.927333	50.0	508005.0	2.643091	Y



Calibration / Benzyl chloride

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

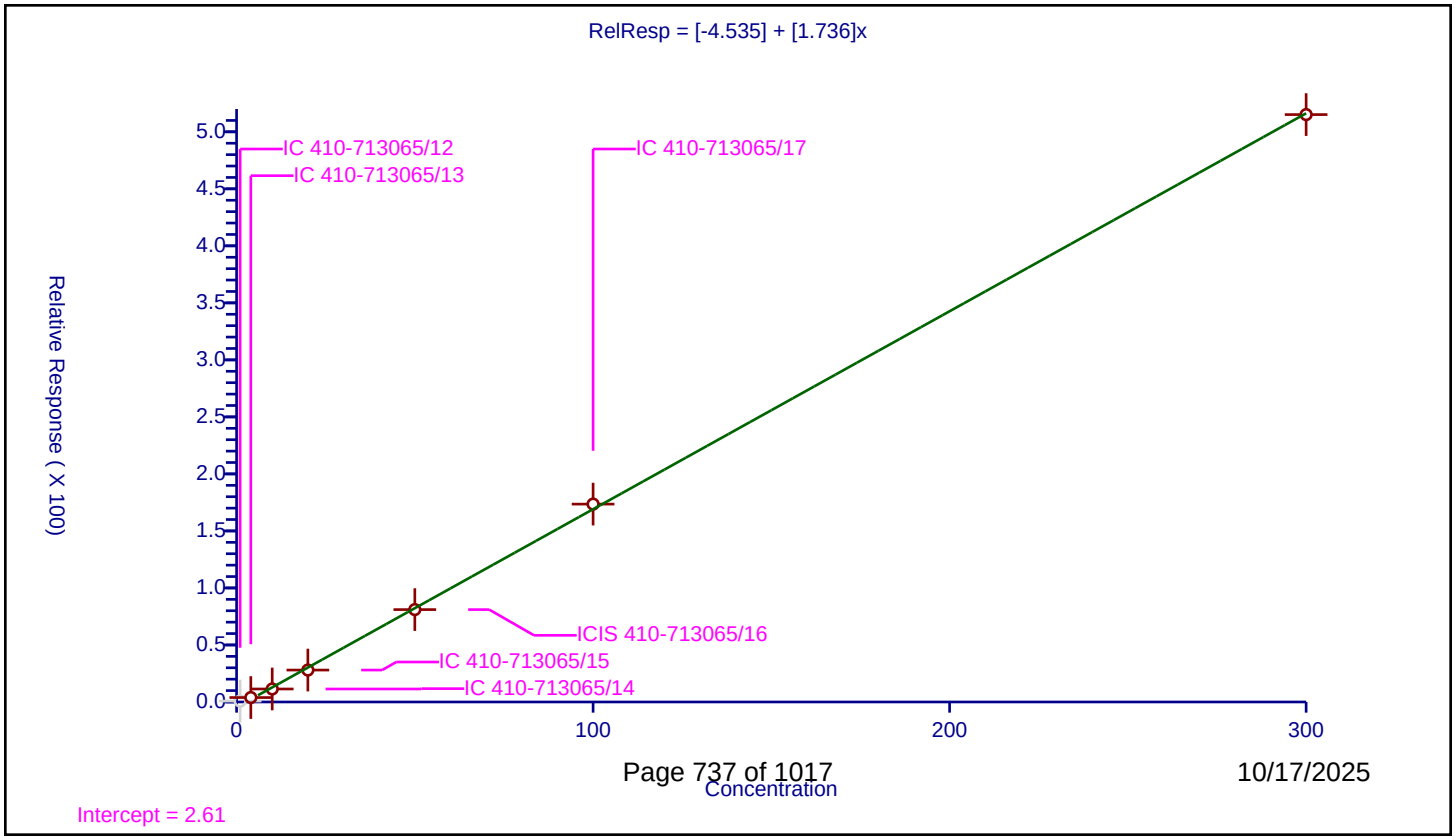
Curve Coefficients

Intercept:	-4.535
Slope:	1.736

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.797286	50.0	465454.0	0.797286	N
2	IC 410-713065/13	4.0	3.896455	50.0	458622.0	0.974114	Y
3	IC 410-713065/14	10.0	11.389254	50.0	486700.0	1.138925	Y
4	IC 410-713065/15	20.0	28.00892	50.0	475561.0	1.400446	Y
5	ICIS 410-713065/16	50.0	81.022861	50.0	469839.0	1.620457	Y
6	IC 410-713065/17	100.0	173.52036	50.0	482837.0	1.735204	Y
7	IC 410-713065/18	300.0	515.116583	50.0	508005.0	1.717055	Y



Calibration / 1,3-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

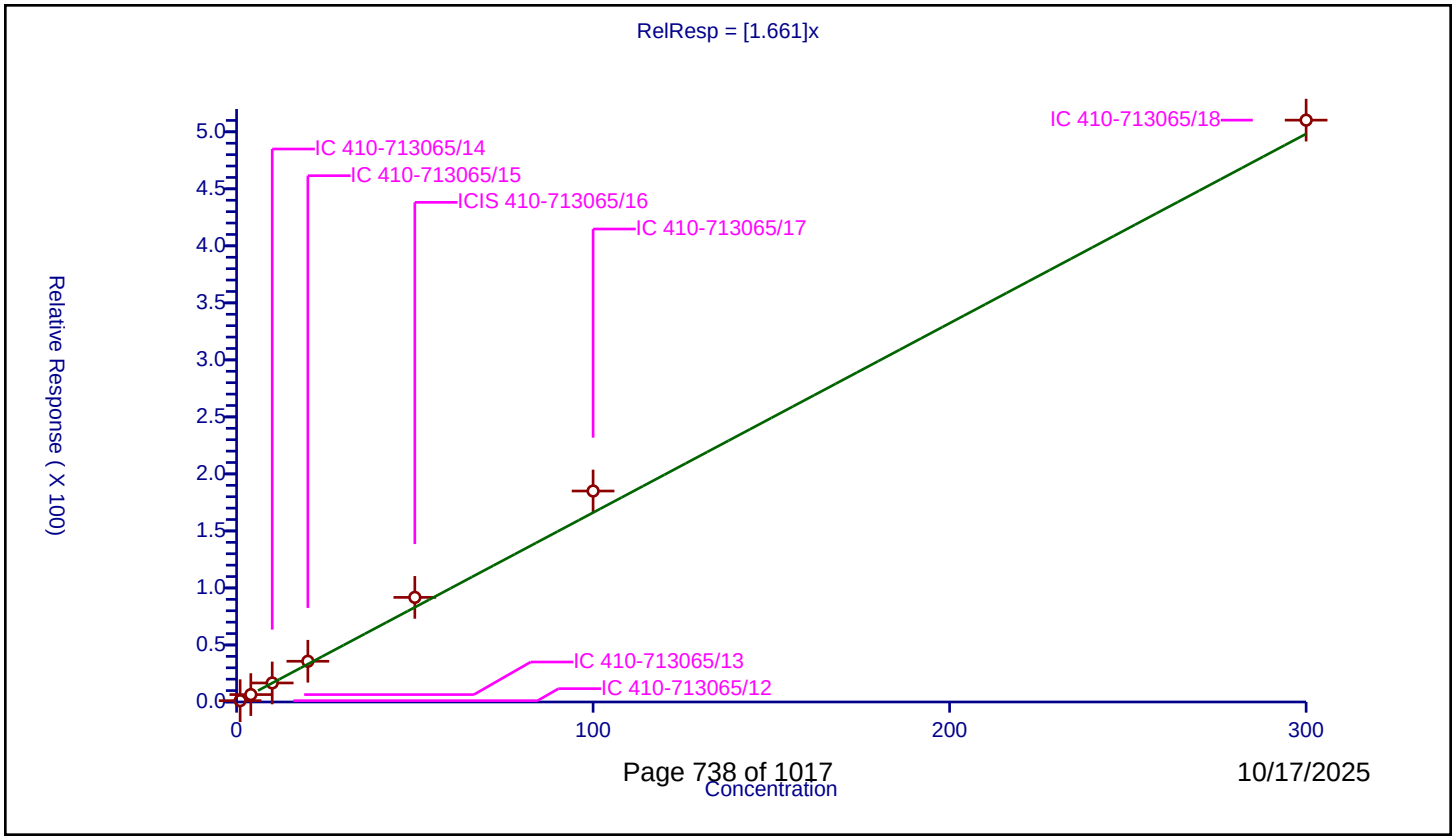
Curve Coefficients

Intercept:	0
Slope:	1.661

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	1.160372	50.0	465454.0	1.160372	Y
2	IC 410-713065/13	4.0	6.498925	50.0	458622.0	1.624731	Y
3	IC 410-713065/14	10.0	16.68533	50.0	486700.0	1.668533	Y
4	IC 410-713065/15	20.0	35.714136	50.0	475561.0	1.785707	Y
5	ICIS 410-713065/16	50.0	91.736318	50.0	469839.0	1.834726	Y
6	IC 410-713065/17	100.0	185.002392	50.0	482837.0	1.850024	Y
7	IC 410-713065/18	300.0	510.258856	50.0	508005.0	1.700863	Y



Calibration / p-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

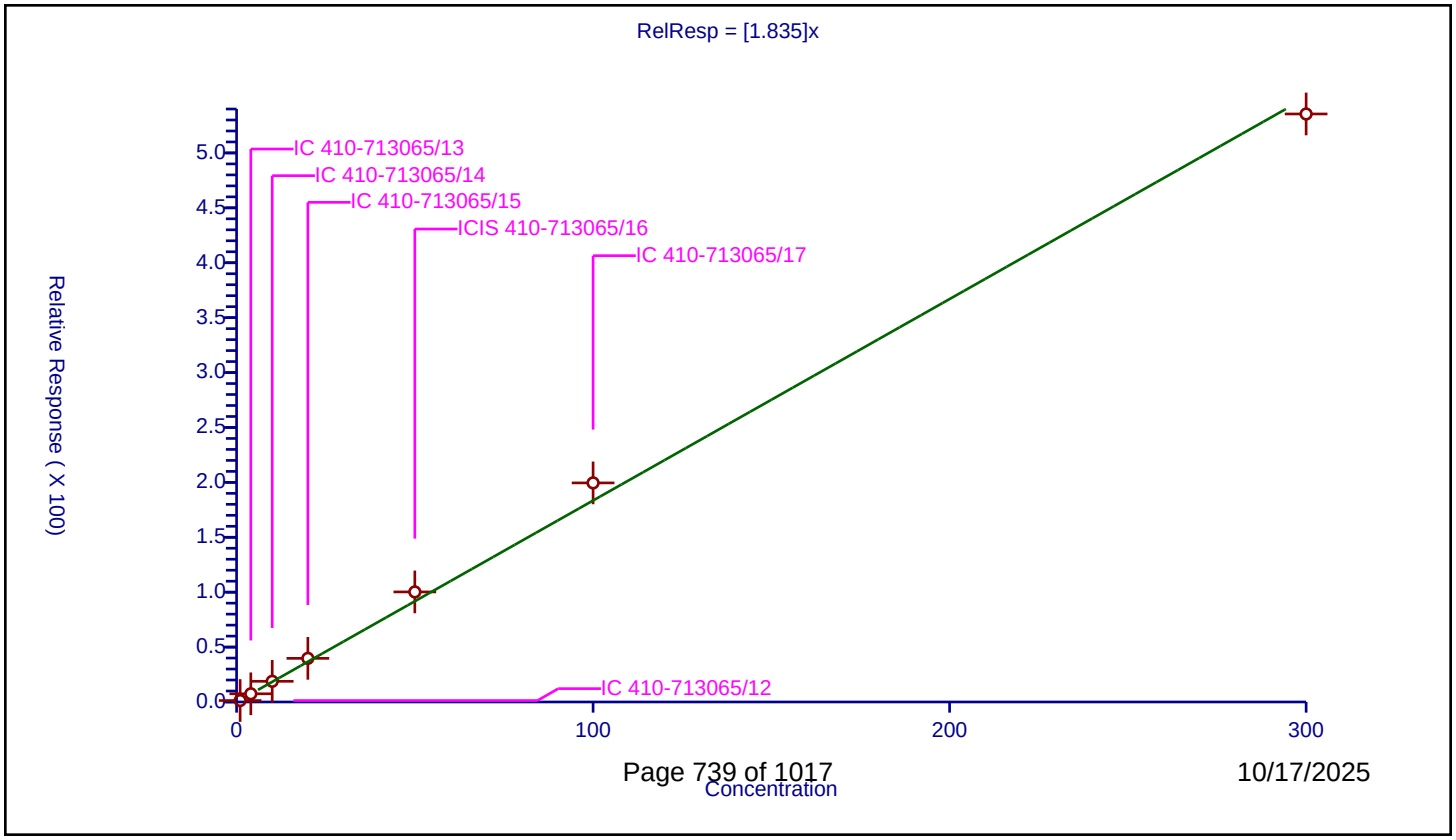
Curve Coefficients

Intercept:	0
Slope:	1.835

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	1.321398	50.0	465454.0	1.321398	Y
2	IC 410-713065/13	4.0	7.465734	50.0	458622.0	1.866434	Y
3	IC 410-713065/14	10.0	18.835114	50.0	486700.0	1.883511	Y
4	IC 410-713065/15	20.0	39.740538	50.0	475561.0	1.987027	Y
5	ICIS 410-713065/16	50.0	100.231994	50.0	469839.0	2.00464	Y
6	IC 410-713065/17	100.0	199.516193	50.0	482837.0	1.995162	Y
7	IC 410-713065/18	300.0	535.472584	50.0	508005.0	1.784909	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

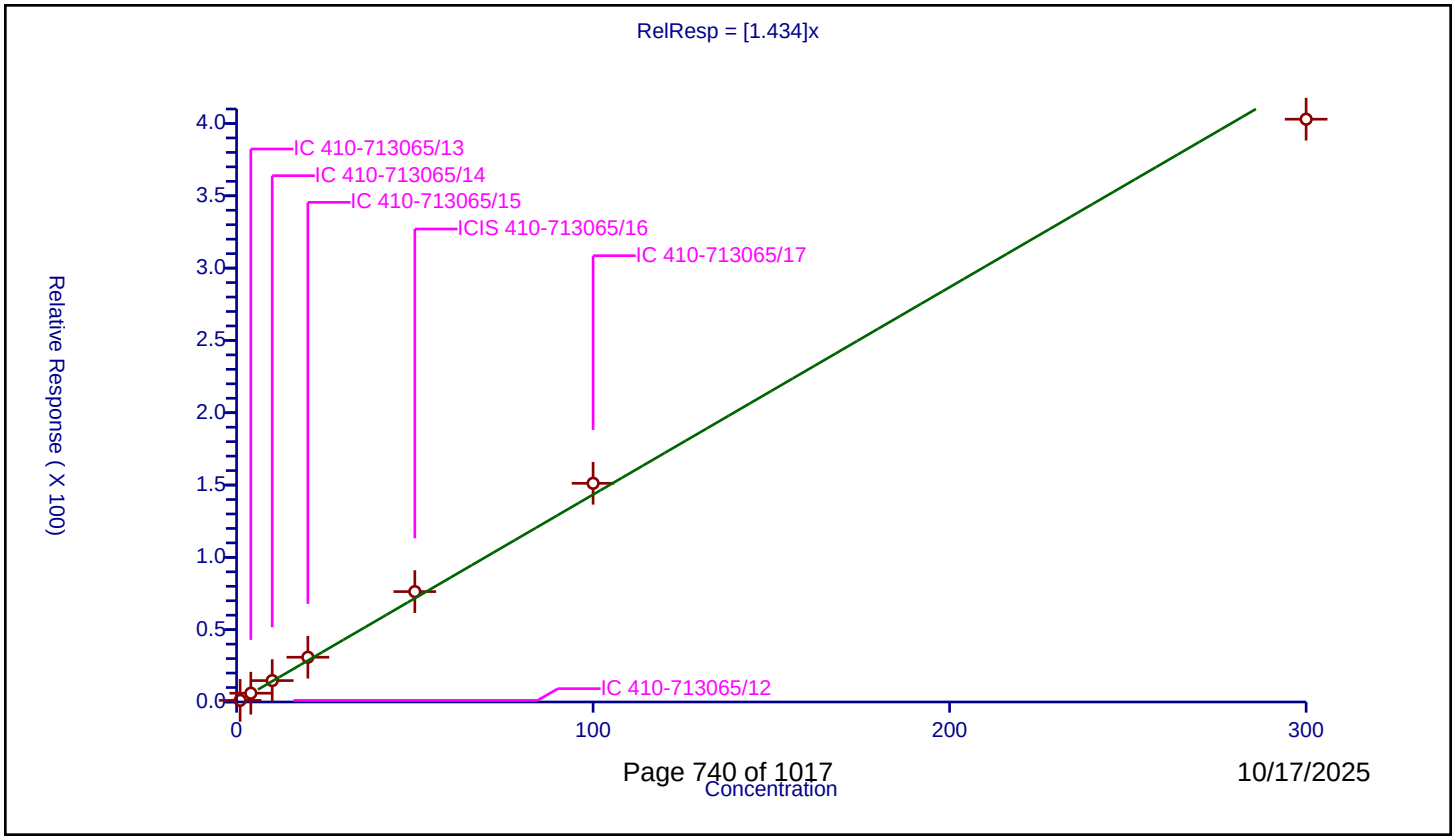
Curve Coefficients

Intercept:	0
Slope:	1.434

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	1.108917	50.0	465454.0	1.108917	Y
2	IC 410-713065/13	4.0	6.075483	50.0	458622.0	1.518871	Y
3	IC 410-713065/14	10.0	14.804089	50.0	486700.0	1.480409	Y
4	IC 410-713065/15	20.0	30.956281	50.0	475561.0	1.547814	Y
5	ICIS 410-713065/16	50.0	76.319441	50.0	469839.0	1.526389	Y
6	IC 410-713065/17	100.0	151.210346	50.0	482837.0	1.512103	Y
7	IC 410-713065/18	300.0	402.954991	50.0	508005.0	1.343183	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

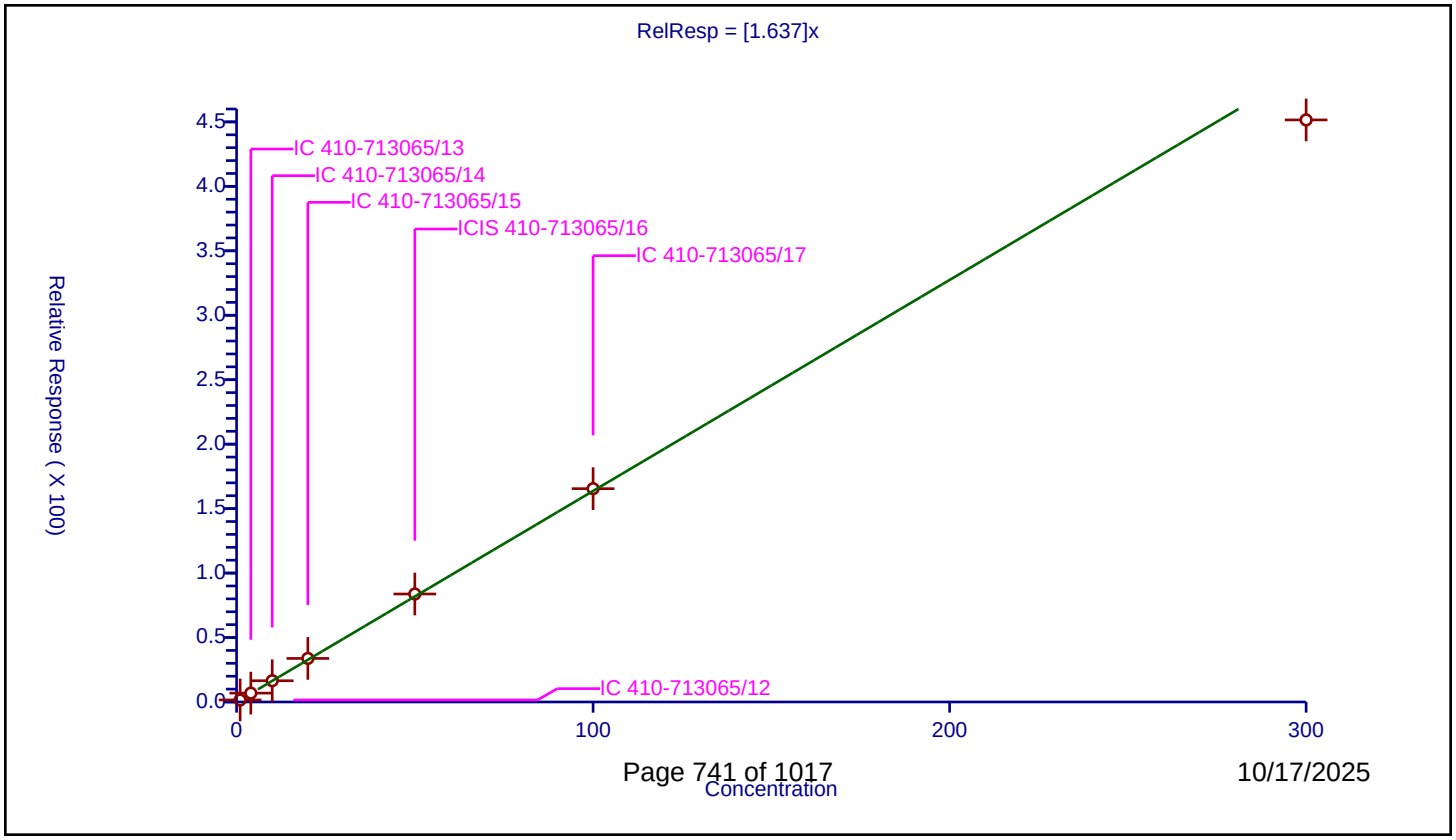
Curve Coefficients

Intercept:	0
Slope:	1.637

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	1.563742	50.0	465454.0	1.563742	Y
2	IC 410-713065/13	4.0	6.888025	50.0	458622.0	1.722006	Y
3	IC 410-713065/14	10.0	16.471235	50.0	486700.0	1.647123	Y
4	IC 410-713065/15	20.0	33.793141	50.0	475561.0	1.689657	Y
5	ICIS 410-713065/16	50.0	83.779444	50.0	469839.0	1.675589	Y
6	IC 410-713065/17	100.0	165.493427	50.0	482837.0	1.654934	Y
7	IC 410-713065/18	300.0	451.544178	50.0	508005.0	1.505147	Y



Calibration / o-diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

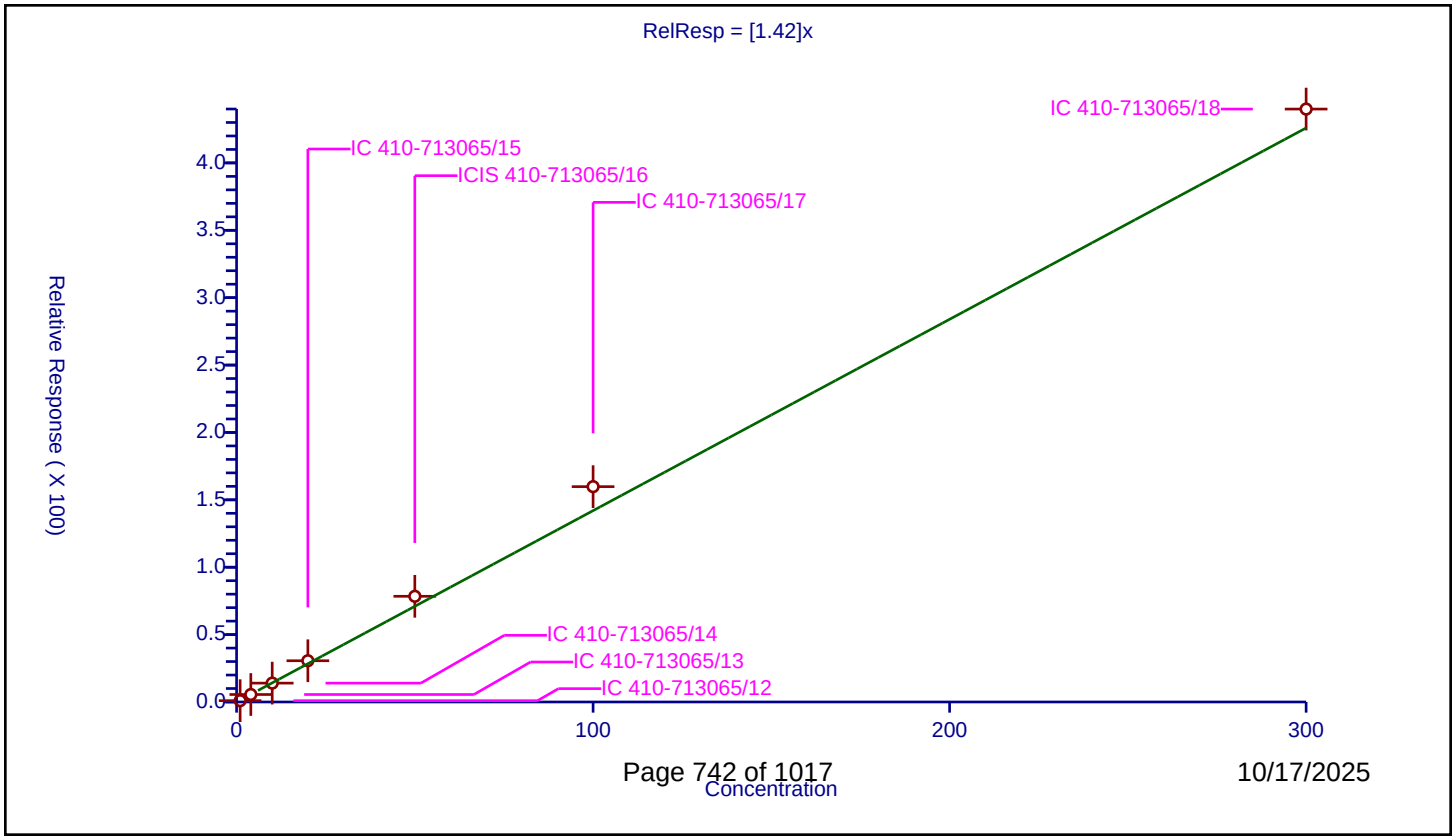
Curve Coefficients

Intercept:	0
Slope:	1.42

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.986564	50.0	465454.0	0.986564	Y
2	IC 410-713065/13	4.0	5.558063	50.0	458622.0	1.389516	Y
3	IC 410-713065/14	10.0	13.997432	50.0	486700.0	1.399743	Y
4	IC 410-713065/15	20.0	30.603224	50.0	475561.0	1.530161	Y
5	ICIS 410-713065/16	50.0	78.422821	50.0	469839.0	1.568456	Y
6	IC 410-713065/17	100.0	159.784047	50.0	482837.0	1.59784	Y
7	IC 410-713065/18	300.0	439.954134	50.0	508005.0	1.466514	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

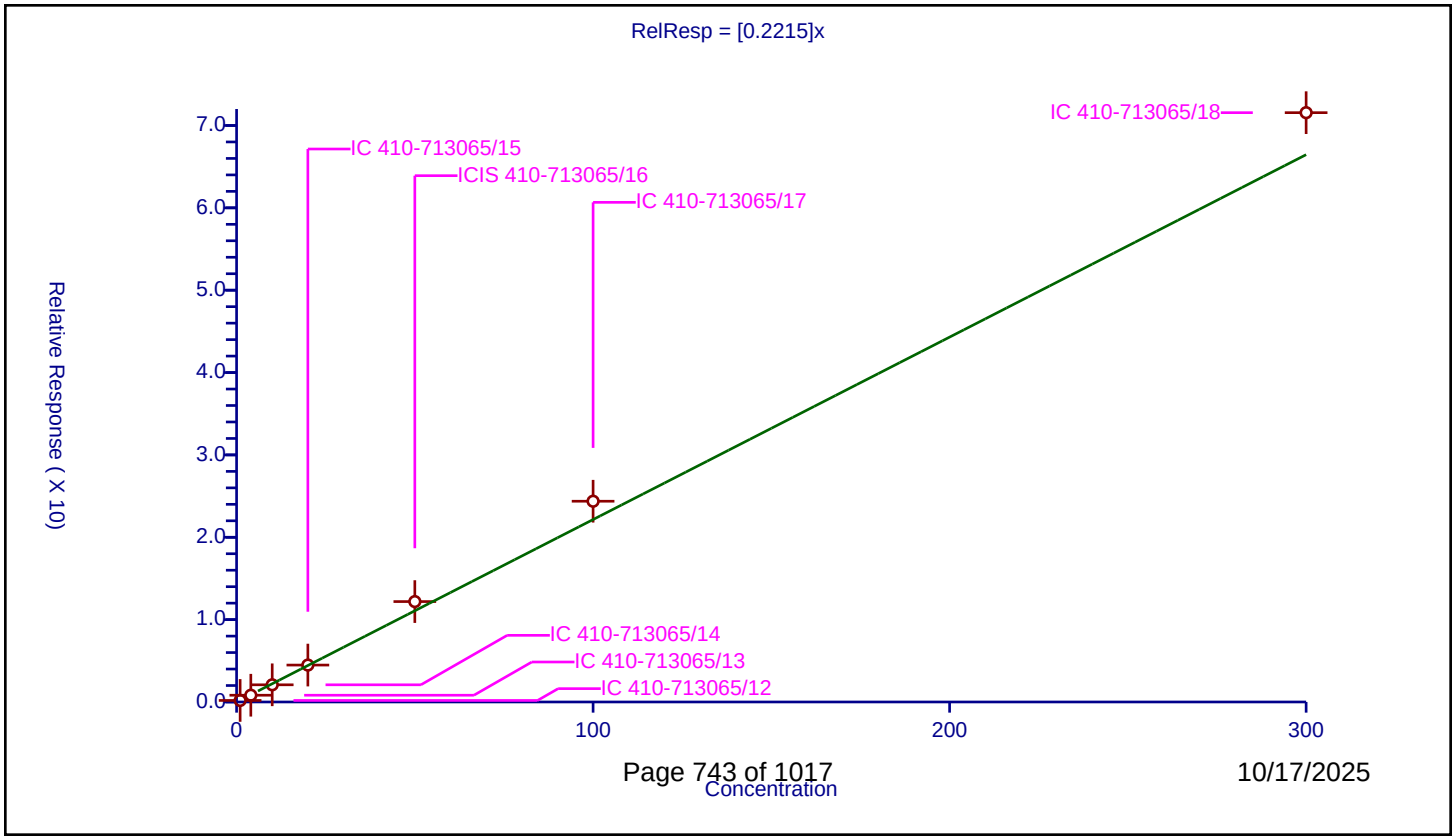
Curve Coefficients

Intercept:	0
Slope:	0.2215

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.186162	50.0	465454.0	0.186162	Y
2	IC 410-713065/13	4.0	0.821919	50.0	458622.0	0.20548	Y
3	IC 410-713065/14	10.0	2.086706	50.0	486700.0	0.208671	Y
4	IC 410-713065/15	20.0	4.484072	50.0	475561.0	0.224204	Y
5	ICIS 410-713065/16	50.0	12.191304	50.0	469839.0	0.243826	Y
6	IC 410-713065/17	100.0	24.377067	50.0	482837.0	0.243771	Y
7	IC 410-713065/18	300.0	71.557268	50.0	508005.0	0.238524	Y



10/17/2025

Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

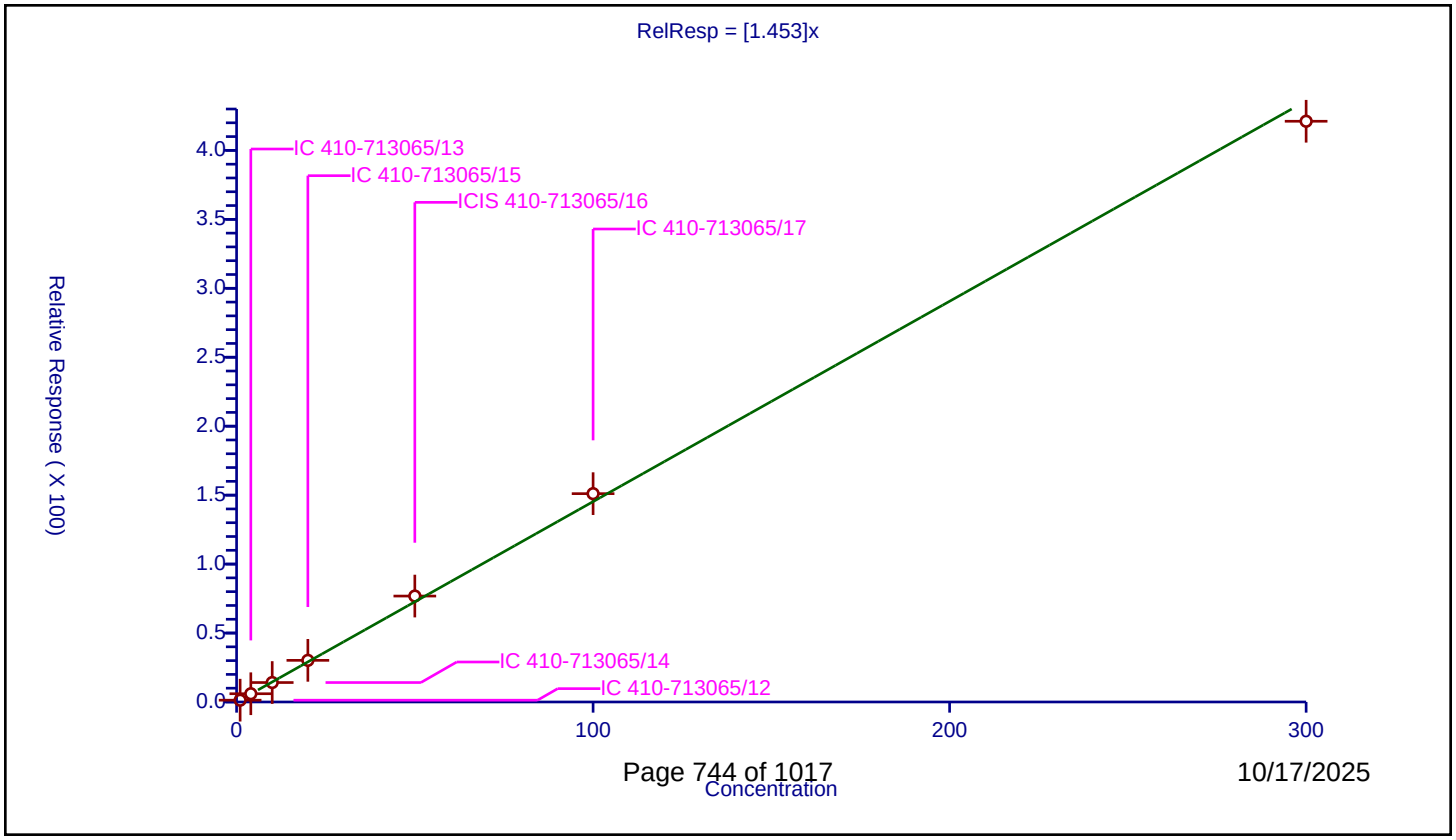
Curve Coefficients

Intercept:	0
Slope:	1.453

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	1.304318	50.0	465454.0	1.304318	Y
2	IC 410-713065/13	4.0	5.976708	50.0	458622.0	1.494177	Y
3	IC 410-713065/14	10.0	14.115061	50.0	486700.0	1.411506	Y
4	IC 410-713065/15	20.0	30.190554	50.0	475561.0	1.509528	Y
5	ICIS 410-713065/16	50.0	76.827807	50.0	469839.0	1.536556	Y
6	IC 410-713065/17	100.0	151.071583	50.0	482837.0	1.510716	Y
7	IC 410-713065/18	300.0	421.132764	50.0	508005.0	1.403776	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

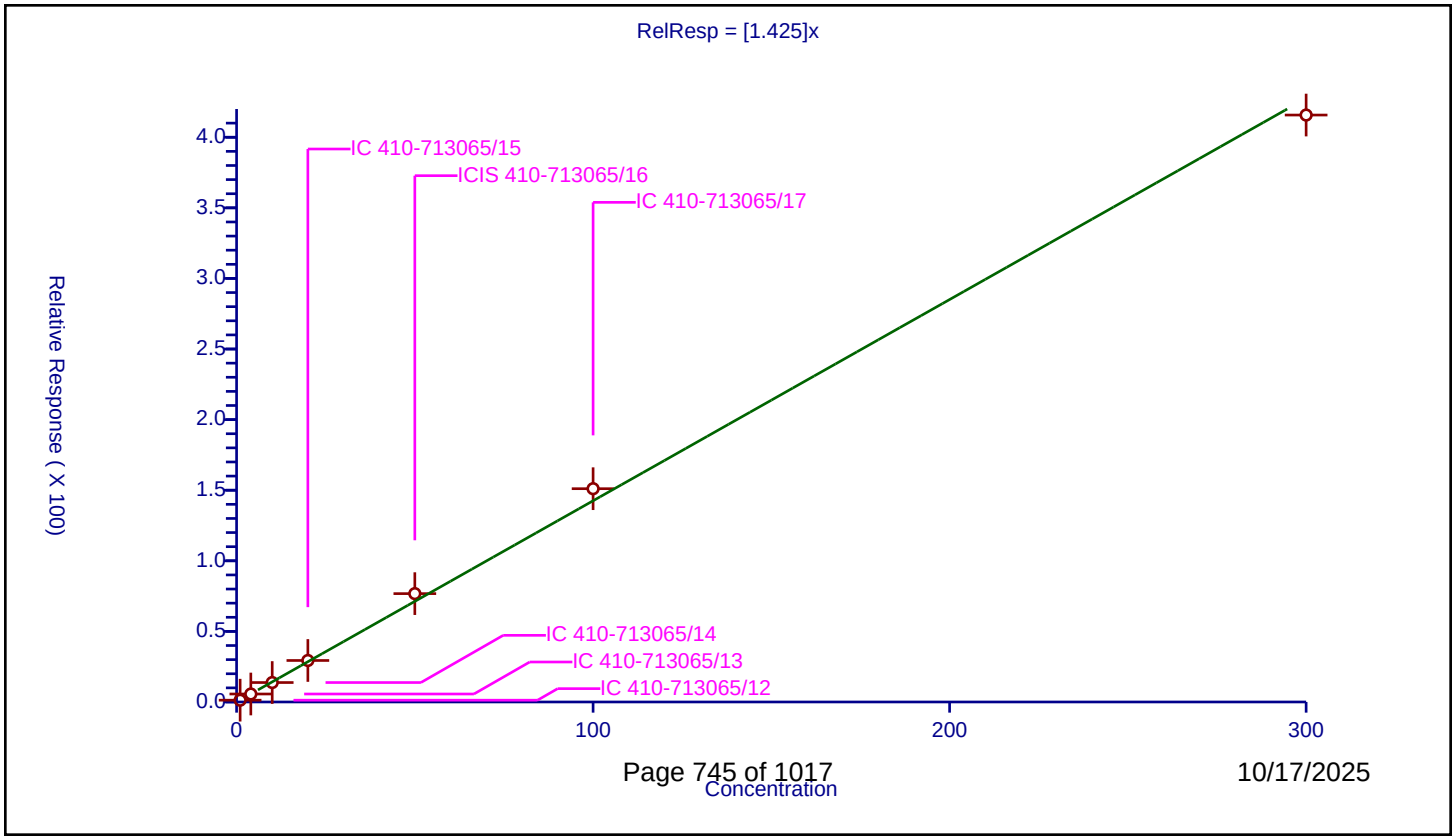
Curve Coefficients

Intercept:	0
Slope:	1.425

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	1.284123	50.0	465454.0	1.284123	Y
2	IC 410-713065/13	4.0	5.656183	50.0	458622.0	1.414046	Y
3	IC 410-713065/14	10.0	13.772242	50.0	486700.0	1.377224	Y
4	IC 410-713065/15	20.0	29.394967	50.0	475561.0	1.469748	Y
5	ICIS 410-713065/16	50.0	76.756719	50.0	469839.0	1.535134	Y
6	IC 410-713065/17	100.0	151.065888	50.0	482837.0	1.510659	Y
7	IC 410-713065/18	300.0	415.734491	50.0	508005.0	1.385782	Y



Calibration / 2-Ethylhexyl acrylate

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

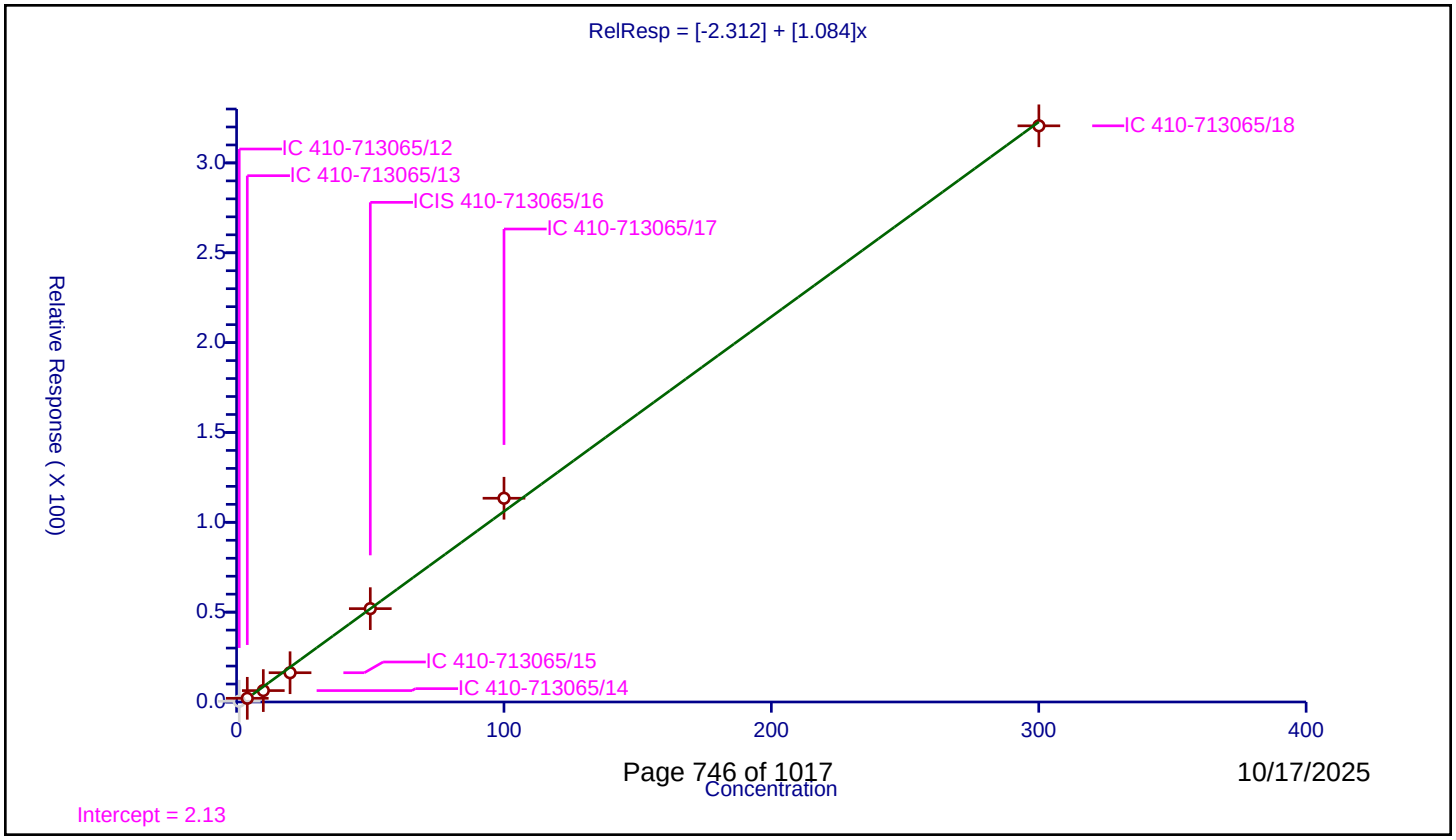
Curve Coefficients

Intercept:	-2.312
Slope:	1.084

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.000171	0.401006	50.0	465454.0	0.400938	N
2	IC 410-713065/13	4.000685	2.061175	50.0	458622.0	0.515205	Y
3	IC 410-713065/14	10.001712	6.339326	50.0	486700.0	0.633824	Y
4	IC 410-713065/15	20.003424	16.292652	50.0	475561.0	0.814493	Y
5	ICIS 410-713065/16	50.00856	51.950136	50.0	469839.0	1.038825	Y
6	IC 410-713065/17	100.01712	113.389094	50.0	482837.0	1.133697	Y
7	IC 410-713065/18	300.05136	320.6496	50.0	508005.0	1.068649	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

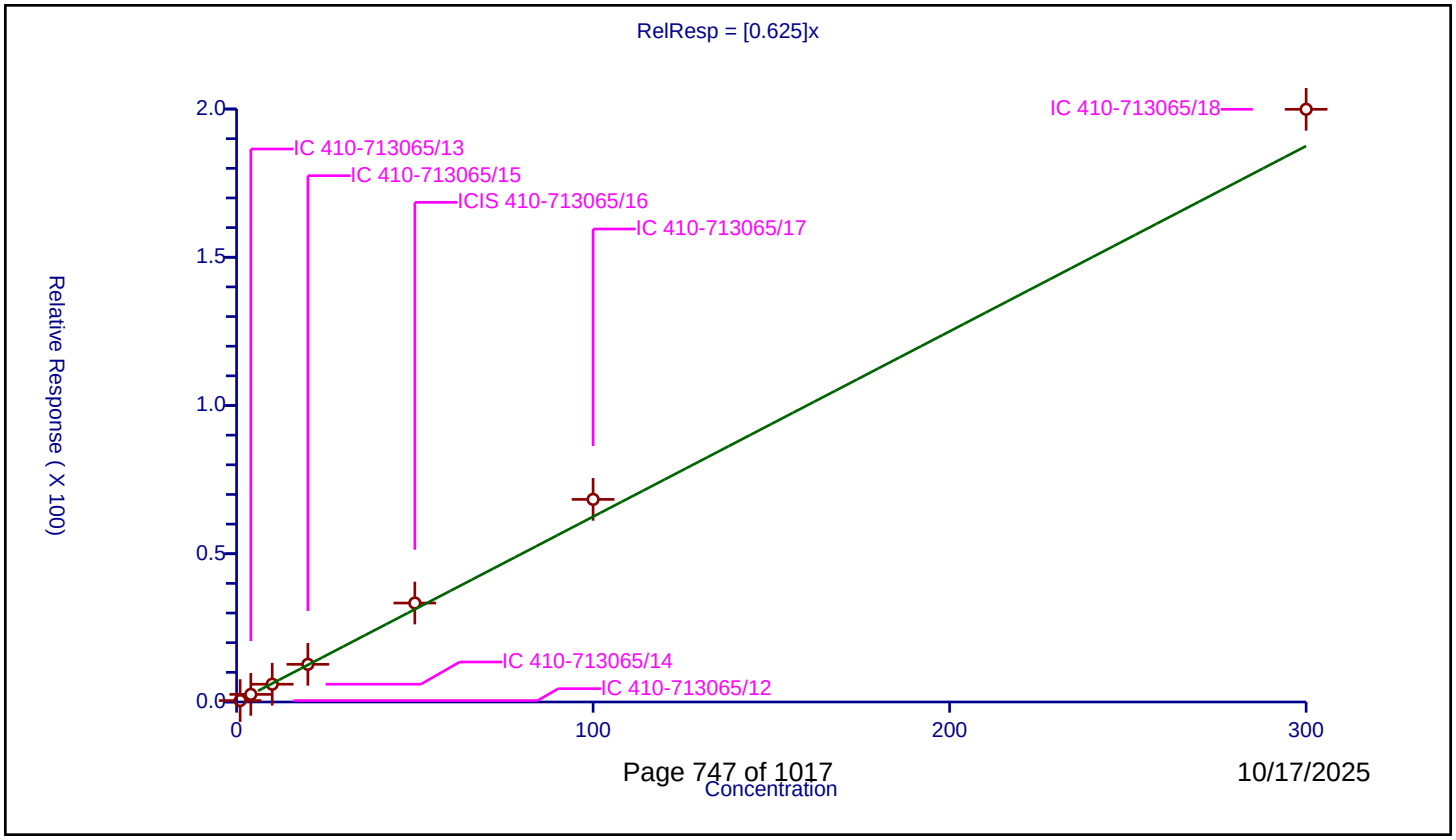
Curve Coefficients

Intercept:	0
Slope:	0.625

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	0.482003	50.0	465454.0	0.482003	Y
2	IC 410-713065/13	4.0	2.565075	50.0	458622.0	0.641269	Y
3	IC 410-713065/14	10.0	5.997432	50.0	486700.0	0.599743	Y
4	IC 410-713065/15	20.0	12.702892	50.0	475561.0	0.635145	Y
5	ICIS 410-713065/16	50.0	33.372496	50.0	469839.0	0.66745	Y
6	IC 410-713065/17	100.0	68.336312	50.0	482837.0	0.683363	Y
7	IC 410-713065/18	300.0	199.903347	50.0	508005.0	0.666344	Y



10/17/2025

Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

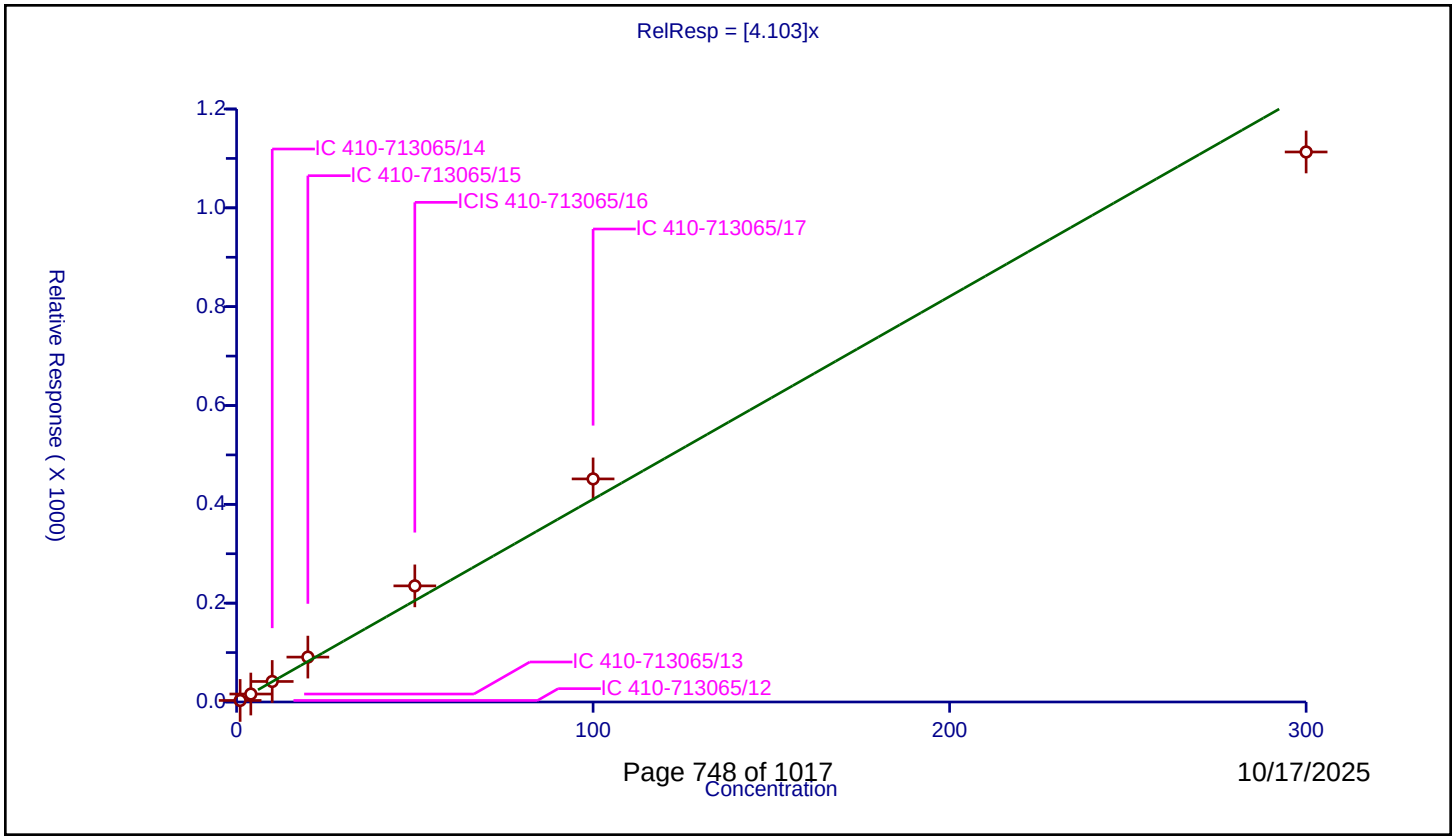
Curve Coefficients

Intercept:	0
Slope:	4.103

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	3.08473	50.0	465454.0	3.08473	Y
2	IC 410-713065/13	4.0	16.084161	50.0	458622.0	4.02104	Y
3	IC 410-713065/14	10.0	41.51089	50.0	486700.0	4.151089	Y
4	IC 410-713065/15	20.0	90.827149	50.0	475561.0	4.541357	Y
5	ICIS 410-713065/16	50.0	235.004012	50.0	469839.0	4.70008	Y
6	IC 410-713065/17	100.0	451.473272	50.0	482837.0	4.514733	Y
7	IC 410-713065/18	300.0	1113.059222	50.0	508005.0	3.710197	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

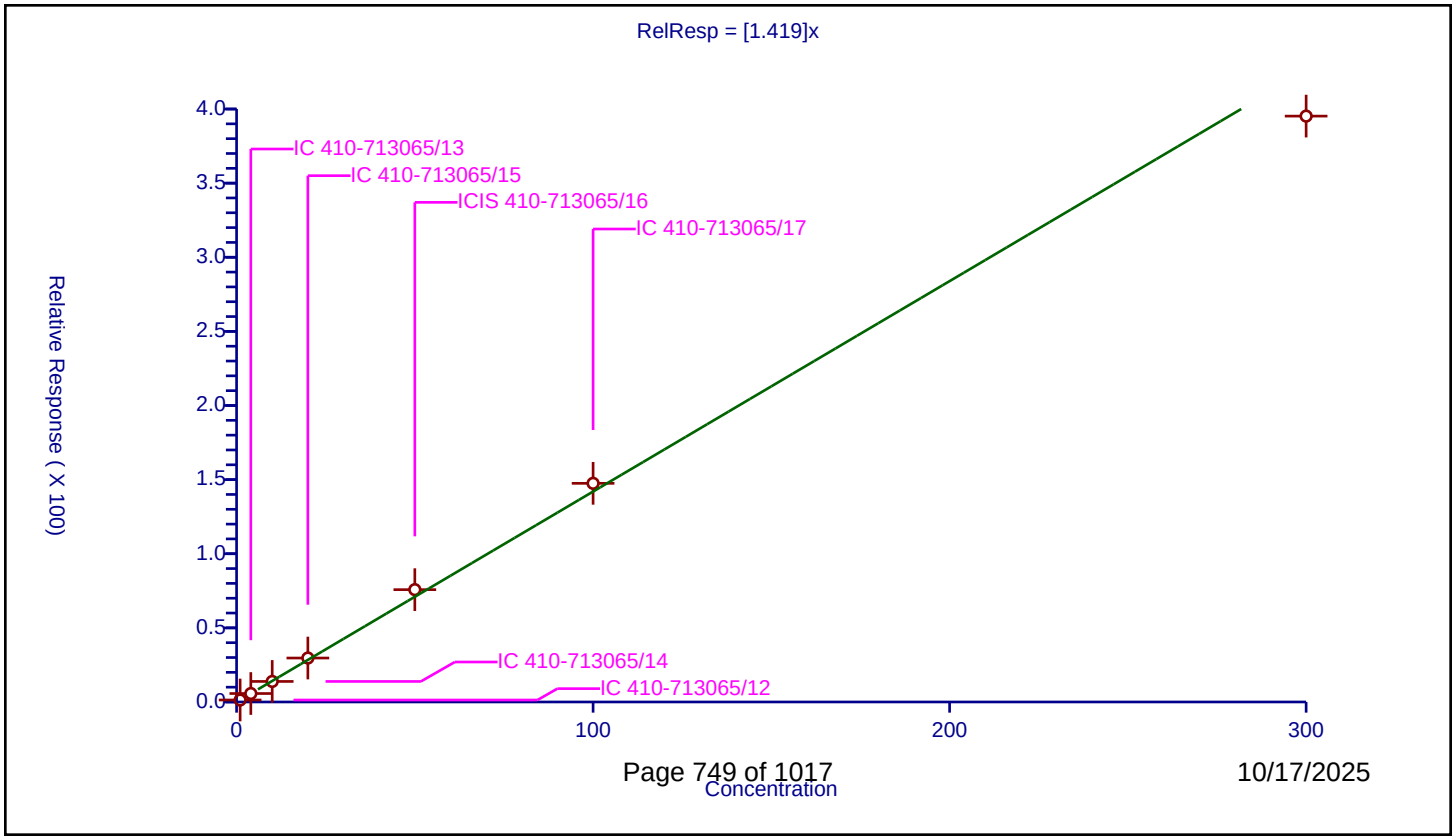
Curve Coefficients

Intercept:	0
Slope:	1.419

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	1.332892	50.0	465454.0	1.332892	Y
2	IC 410-713065/13	4.0	5.709059	50.0	458622.0	1.427265	Y
3	IC 410-713065/14	10.0	13.852476	50.0	486700.0	1.385248	Y
4	IC 410-713065/15	20.0	29.660548	50.0	475561.0	1.483027	Y
5	ICIS 410-713065/16	50.0	75.779363	50.0	469839.0	1.515587	Y
6	IC 410-713065/17	100.0	147.493564	50.0	482837.0	1.474936	Y
7	IC 410-713065/18	300.0	395.207626	50.0	508005.0	1.317359	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

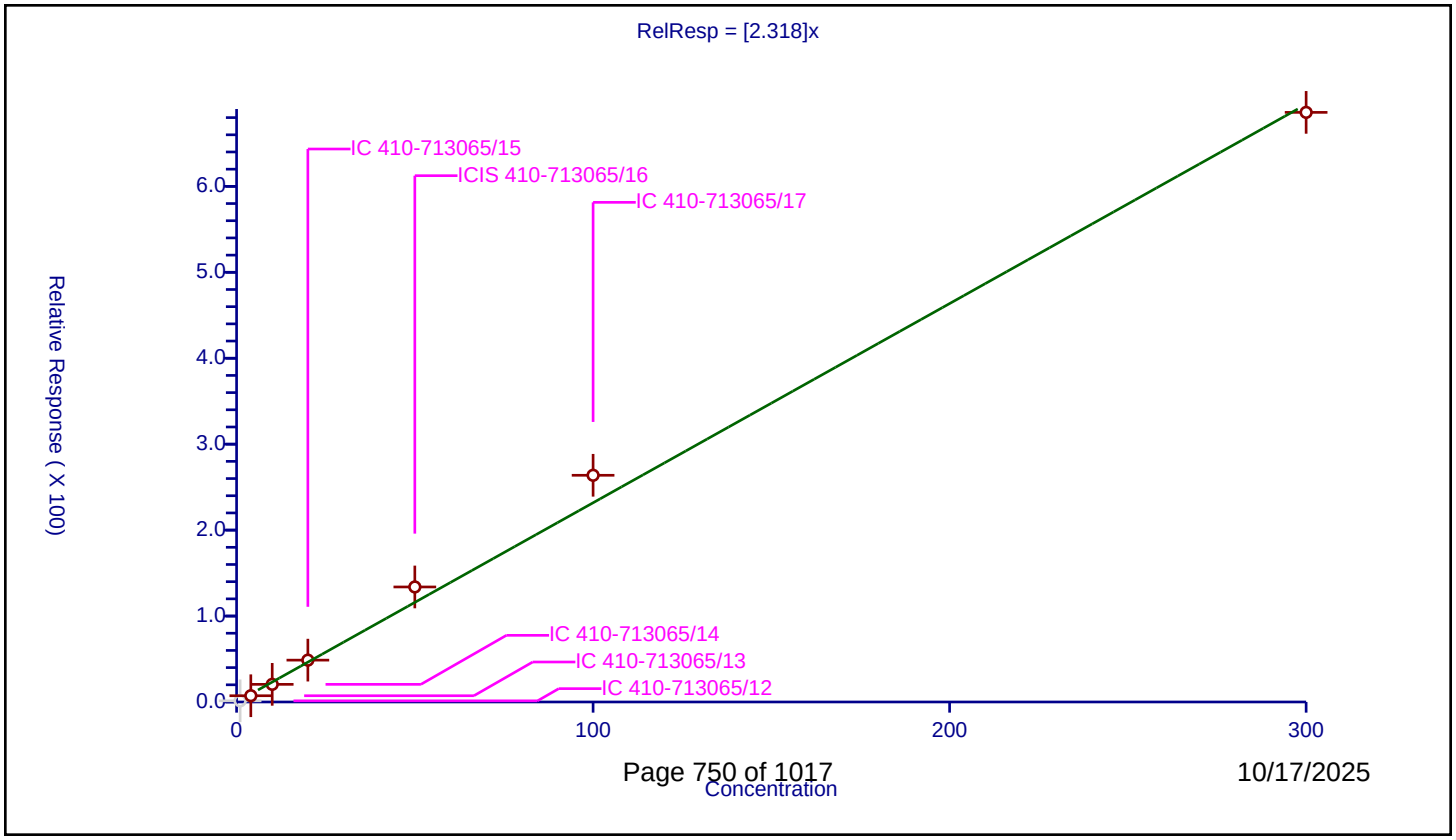
Curve Coefficients

Intercept:	0
Slope:	2.318

Error Coefficients

Relative Standard Deviation:	14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-713065/12	1.0	1.355343	50.0	465454.0	1.355343	N
2	IC 410-713065/13	4.0	7.285412	50.0	458622.0	1.821353	Y
3	IC 410-713065/14	10.0	20.51089	50.0	486700.0	2.051089	Y
4	IC 410-713065/15	20.0	48.689337	50.0	475561.0	2.434467	Y
5	ICIS 410-713065/16	50.0	133.83276	50.0	469839.0	2.676655	Y
6	IC 410-713065/17	100.0	263.814807	50.0	482837.0	2.638148	Y
7	IC 410-713065/18	300.0	686.098464	50.0	508005.0	2.286995	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: ICV 410-702728/20 Calibration Date: 09/22/2025 20:50

Instrument ID: 7159 Calib Start Date: 09/22/2025 18:51

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 09/22/2025 22:59

Lab File ID: NS22X20.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	0.8281	0.7447	0.1000	18.0	20.0	-10.0	30.0
Chloromethane	Ave	0.5940	0.5938	0.1000	20.0	20.0	0.0	30.0
1,3-Butadiene	Ave	0.3836	0.4572		23.8	20.0	19.0	30.0
Vinyl chloride	Ave	0.6001	0.6332	0.1000	21.1	20.0	6.0	30.0
Bromomethane	Ave	0.4664	0.5030	0.1000	21.6	20.0	8.0	30.0
Chloroethane	Ave	0.2758	0.3052	0.1000	22.1	20.0	11.0	30.0
Dichlorofluoromethane	Ave	0.7864	0.8961		22.8	20.0	14.0	30.0
Trichlorofluoromethane	Ave	0.8027	0.8664	0.1000	21.6	20.0	8.0	30.0
n-Pentane	Ave	0.3717	0.3689		19.8	20.0	-1.0	30.0
Ethanol	Ave	0.0690	0.0805		1170	1000	17.0	30.0
Freon 123a	Ave	0.3586	0.3944		22.0	20.0	10.0	30.0
Acrolein	Ave	1.139	0.9557		123	146	-16.0	30.0
1,1-Dichloroethene	Ave	0.2761	0.2944	0.1000	21.3	20.0	7.0	30.0
Freon 113	Ave	0.3994	0.4151	0.1000	20.8	20.0	4.0	30.0
Acetone	Ave	0.5758	0.4866	0.1000	211	250	-15.0	30.0
Methyl iodide	Ave	0.6594	0.6472		19.6	20.0	-2.0	30.0
2-Propanol	Ave	0.7226	0.6780		141	150	-6.0	30.0
Carbon disulfide	Ave	0.9226	0.9116	0.1000	19.8	20.0	-1.0	30.0
Methyl acetate	Ave	0.2081	0.1806	0.1000	17.4	20.0	-13.0	30.0
Allyl chloride	Ave	0.3222	0.3092		19.2	20.0	-4.0	30.0
Methylene Chloride	Ave	0.3018	0.3127	0.1000	20.7	20.0	4.0	30.0
t-Butyl alcohol	Ave	1.056	1.064		202	200	1.0	30.0
Acrylonitrile	Ave	0.1163	0.1090		93.7	100	-6.0	30.0
Methyl tert-butyl ether	Ave	0.9435	0.9406	0.1000	19.9	20.0	0.0	30.0
trans-1,2-Dichloroethene	Ave	0.3079	0.3049	0.1000	19.8	20.0	-1.0	30.0
n-Hexane	Ave	0.3476	0.3699		21.3	20.0	6.0	30.0
1,1-Dichloroethane	Ave	0.4652	0.4743	0.2000	20.4	20.0	2.0	30.0
Isopropyl ether	Ave	0.7511	0.7456		19.9	20.0	-1.0	30.0
2-Chloro-1,3-butadiene	Ave	0.3894	0.3896		20.0	20.0	0.0	30.0
Ethyl t-butyl ether	Ave	0.8356	0.8278		19.8	20.0	-1.0	30.0
2-Butanone (MEK)	Ave	0.1493	0.1412	0.1000	237	250	-5.0	30.0
cis-1,2-Dichloroethene	Ave	0.3535	0.3512	0.1000	19.9	20.0	-1.0	30.0
2,2-Dichloropropane	Ave	0.5222	0.5393		20.7	20.0	3.0	30.0
Propionitrile	Ave	0.9124	0.7795		128	150	-15.0	30.0
Methyl acrylate	Ave	0.3102	0.2513		16.2	20.0	-19.0	30.0
Methacrylonitrile	Ave	0.1268	0.1256		149	150	-1.0	30.0
Bromochloromethane	Ave	0.1928	0.1936		20.1	20.0	0.0	30.0
Tetrahydrofuran	Ave	0.8468	0.7279		86.0	100	-14.0	30.0
Chloroform	Ave	0.5770	0.5547	0.2000	19.2	20.0	-4.0	30.0
1,1,1-Trichloroethane	Ave	0.5912	0.6168	0.1000	20.9	20.0	4.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: ICV 410-702728/20 Calibration Date: 09/22/2025 20:50

Instrument ID: 7159 Calib Start Date: 09/22/2025 18:51

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 09/22/2025 22:59

Lab File ID: NS22X20.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	0.5041	0.5334	0.1000	21.2	20.0	6.0	30.0
Carbon tetrachloride	Ave	0.5535	0.5813	0.1000	21.0	20.0	5.0	30.0
1,1-Dichloropropene	Ave	0.3827	0.3865		20.2	20.0	1.0	30.0
Isobutyl alcohol	Ave	0.2916	0.2460		422	500	-16.0	30.0
Benzene	Ave	1.137	1.139	0.5000	20.0	20.0	0.0	30.0
1,2-Dichloroethane	Ave	0.3698	0.3647	0.1000	19.7	20.0	-1.0	30.0
t-Amyl methyl ether	Ave	0.8448	0.8461		20.0	20.0	0.0	30.0
n-Heptane	Ave	0.2923	0.3003		20.5	20.0	3.0	30.0
n-Butanol	Ave	0.2228	0.2113		948	1000	-5.0	30.0
Trichloroethene	Ave	0.3361	0.3320	0.2000	19.8	20.0	-1.0	30.0
Ethyl acrylate	Ave	0.3579	0.2514		14.0	20.0	-30.0	30.0
Methylcyclohexane	Ave	0.6043	0.6302	0.1000	20.9	20.0	4.0	30.0
t-Amyl ethyl ether	Ave	0.4562	0.4486		19.7	20.0	-2.0	30.0
1,2-Dichloropropane	Ave	0.2682	0.2571	0.1000	19.2	20.0	-4.0	30.0
Methyl methacrylate	Ave	0.2089	0.1973		18.9	20.0	-6.0	30.0
1,4-Dioxane	Ave	0.0770	0.0842	0.0050	547	500	9.0	30.0
Dibromomethane	Ave	0.1990	0.1960		19.7	20.0	-2.0	30.0
Bromodichloromethane	Ave	0.3971	0.3825	0.2000	19.3	20.0	-4.0	30.0
2-Nitropropane	Ave	1.455	1.096		15.1	20.0	-25.0	30.0
2-Chloroethyl vinyl ether	Ave	0.1710	0.1564		18.3	20.0	-9.0	30.0
cis-1,3-Dichloropropene	Ave	0.4235	0.4024	0.2000	19.0	20.0	-5.0	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3355	0.3156	0.1000	235	250	-6.0	30.0
Toluene	Ave	0.9496	0.9398	0.4000	19.8	20.0	-1.0	30.0
trans-1,3-Dichloropropene	Ave	0.4794	0.4670	0.1000	19.5	20.0	-3.0	30.0
Ethyl methacrylate	Ave	0.4517	0.4551		20.1	20.0	1.0	30.0
1,1,2-Trichloroethane	Ave	0.3346	0.3263	0.1000	19.5	20.0	-2.0	30.0
Tetrachloroethene	Ave	0.5332	0.5541	0.2000	20.8	20.0	4.0	30.0
1,3-Dichloropropane	Ave	0.5015	0.4900		19.5	20.0	-2.0	30.0
2-Hexanone	Ave	0.2815	0.2735	0.1000	243	250	-3.0	30.0
Dibromochloromethane	Ave	0.4355	0.4196		19.3	20.0	-4.0	30.0
1,2-Dibromoethane (EDB)	Ave	0.3600	0.3541	0.1000	19.7	20.0	-2.0	30.0
1-Chlorohexane	Ave	0.5387	0.5603		20.8	20.0	4.0	30.0
Chlorobenzene	Ave	1.126	1.121	0.5000	19.9	20.0	0.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.4974	0.5101		20.5	20.0	3.0	30.0
Ethylbenzene	Ave	1.884	1.932	0.1000	20.5	20.0	3.0	30.0
m&p-Xylene	Ave	0.7479	0.7838	0.1000	41.9	40.0	5.0	30.0
n-Butyl acrylate	Ave	0.6293	0.4692		14.9	20.0	-25.0	30.0
o-Xylene	Ave	0.7798	0.8112	0.3000	20.8	20.0	4.0	30.0
Styrene	Ave	1.186	1.223	0.3000	20.6	20.0	3.0	30.0
Bromoform	Ave	0.3248	0.3367	0.1000	20.7	20.0	4.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: ICV 410-702728/20 Calibration Date: 09/22/2025 20:50

Instrument ID: 7159 Calib Start Date: 09/22/2025 18:51

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 09/22/2025 22:59

Lab File ID: NS22X20.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	2.154	2.343	0.1000	21.8	20.0	9.0	30.0
Cyclohexanone	Ave	0.2647	0.2665		503	500	1.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8783	0.8399	0.3000	19.1	20.0	-4.0	30.0
Bromobenzene	Ave	0.9202	0.8876		19.3	20.0	-4.0	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2197	0.2135		97.2	100	-3.0	30.0
1,2,3-Trichloropropane	Ave	0.3000	0.2882		19.2	20.0	-4.0	30.0
N-Propylbenzene	Ave	3.866	3.995		20.7	20.0	3.0	30.0
2-Chlorotoluene	Ave	0.8804	0.8896		20.2	20.0	1.0	30.0
1,3,5-Trimethylbenzene	Ave	3.048	3.179		20.9	20.0	4.0	30.0
4-Chlorotoluene	Ave	0.8437	0.8322		19.7	20.0	-1.0	30.0
tert-Butylbenzene	Ave	0.6759	0.6822		20.2	20.0	1.0	30.0
1,2,4-Trimethylbenzene	Ave	3.108	3.125		20.1	20.0	1.0	30.0
sec-Butylbenzene	Ave	3.856	4.009		20.8	20.0	4.0	30.0
1,3-Dichlorobenzene	Ave	1.727	1.739	0.6000	20.1	20.0	1.0	30.0
p-Isopropyltoluene	Ave	3.472	3.524		20.3	20.0	2.0	30.0
1,4-Dichlorobenzene	Ave	1.722	1.723	0.5000	20.0	20.0	0.0	30.0
1,2,3-Trimethylbenzene	Ave	3.155	3.228		20.5	20.0	2.0	30.0
Benzyl chloride	Ave	1.564	1.554		19.9	20.0	-1.0	30.0
1,3-Diethylbenzene	Ave	1.907	2.024		21.2	20.0	6.0	30.0
1,4-Diethylbenzene	Ave	1.997	2.089		20.9	20.0	5.0	30.0
n-Butylbenzene	Ave	1.487	1.531		20.6	20.0	3.0	30.0
1,2-Dichlorobenzene	Ave	1.719	1.754	0.4000	20.4	20.0	2.0	30.0
1,2-Diethylbenzene	Ave	1.709	1.733		20.3	20.0	1.0	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2363	0.2114	0.0500	17.9	20.0	-11.0	30.0
1,3,5-Trichlorobenzene	Ave	1.419	1.468		20.7	20.0	3.0	30.0
1,2,4-Trichlorobenzene	Ave	1.320	1.383	0.2000	21.0	20.0	5.0	30.0
2-Ethylhexyl acrylate	Ave	1.034	0.7532		14.6	20.1	-27.0	30.0
Hexachlorobutadiene	Ave	0.5471	0.5490		20.1	20.0	0.0	30.0
Naphthalene	Ave	3.922	4.077		20.8	20.0	4.0	30.0
1,2,3-Trichlorobenzene	Ave	1.352	1.350		20.0	20.0	0.0	30.0
2-Methylnaphthalene	Ave	2.297	2.562		22.3	20.0	12.0	30.0
Dibromofluoromethane (Surr)	Ave	0.2842	0.2850		50.1	50.0	0.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0641	0.0650		50.8	50.0	2.0	30.0
Toluene-d8 (Surr)	Ave	1.228	1.238		50.4	50.0	1.0	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4638	0.4846		52.2	50.0	4.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X20.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 22-Sep-2025 20:50:21 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0160533-020
Misc. Info.: ICV
Operator ID: kas02648 Instrument ID: 7159
Sublist:

Method: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 23-Sep-2025 09:36:35 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: JS6E Date: 23-Sep-2025 04:27:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.984					ND	
2 Dichlorodifluoromethane	85	2.032	2.025	0.007	99	309003	20.0	18.0	
3 Chlorodifluoromethane	51		2.041					ND	7
4 Chloromethane	50	2.234	2.231	0.003	99	246409	20.0	20.0	
5 Butadiene	39	2.350	2.350	0.000	89	189729	20.0	23.8	
6 Vinyl chloride	62	2.363	2.363	0.000	98	262767	20.0	21.1	
7 2-Chloro-1,1,1-Trifluoroethane	118		2.443					ND	7
8 Bromomethane	94	2.717	2.704	0.013	91	208717	20.0	21.6	
9 Chloroethane	64	2.804	2.810	-0.006	99	126649	20.0	22.1	
10 Dichlorofluoromethane	67	3.074	3.074	0.000	96	371846	20.0	22.8	
11 Trichlorofluoromethane	101	3.138	3.141	-0.003	98	359497	20.0	21.6	
12 Pentane	43	3.183	3.176	0.007	96	153071	20.0	19.8	
13 Ethanol	45	3.273	3.328	-0.055	29	109205	1000.0	1167.1	M
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.514	3.511	0.003	84	163639	20.0	22.0	
16 Acrolein	56	3.614	3.607	0.007	99	189678	146.3	122.8	
17 1,1-Dichloroethene	96	3.755	3.752	0.003	94	122158	20.0	21.3	
18 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.794	3.791	0.003	80	172242	20.0	20.8	
19 Acetone	58	3.804	3.794	0.010	100	165004	250.0	211.3	
20 Iodomethane	142	3.961	3.964	-0.003	99	268552	20.0	19.6	
21 Isopropyl alcohol	45	3.993	3.984	0.009	50	137936	150.0	140.7	
22 Carbon disulfide	76	4.070	4.070	0.000	99	378258	20.0	19.8	
24 Methyl acetate	43	4.267	4.254	0.013	95	74946	20.0	17.4	
25 3-Chloro-1-propene	41	4.289	4.283	0.006	90	128311	20.0	19.2	
26 Methylene Chloride	84	4.492	4.485	0.007	80	129741	20.0	20.7	M
* 27 t-Butyl alcohol-d10 (IS)	65	4.517	4.533	-0.016	94	339065	250.0	250.0	
28 2-Methyl-2-propanol	59	4.649	4.665	-0.016	99	288680	200.0	201.5	
29 Acrylonitrile	53	4.865	4.861	0.004	99	226065	100.0	93.7	
32 Methyl tert-butyl ether	73	4.913	4.910	0.003	93	390292	20.0	19.9	
31 trans-1,2-Dichloroethene	96	4.916	4.913	0.003	96	126534	20.0	19.8	
33 Hexane	57	5.347	5.347	0.000	91	153489	20.0	21.3	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	5.591	5.591	0.000	95	196819	20.0	20.4	
36 Isopropyl ether	45	5.656	5.652	0.004	92	309379	20.0	19.9	
37 2-Chloro-1,3-butadiene	53	5.697	5.697	0.000	90	161680	20.0	20.0	
39 Tert-butyl ethyl ether	59	6.183	6.186	-0.003	97	343508	20.0	19.8	
40 2-Butanone (MEK)	43	6.402	6.401	0.001	99	732466	250.0	236.5	
41 cis-1,2-Dichloroethene	96	6.424	6.424	0.000	80	145718	20.0	19.9	
43 2,2-Dichloropropane	77	6.440	6.443	-0.003	84	223776	20.0	20.7	
44 Propionitrile	54	6.508	6.508	0.000	97	158571	150.0	128.1	
45 Methyl acrylate	55	6.527	6.524	0.003	99	104194	20.0	16.2	
46 Methacrylonitrile	67	6.707	6.713	-0.006	89	390769	150.0	148.5	M
47 Chlorobromomethane	128	6.752	6.752	0.000	80	80347	20.0	20.1	
48 Tetrahydrofuran	71	6.762	6.768	-0.006	81	98725	100.0	86.0	
49 Chloroform	83	6.900	6.906	-0.006	92	230165	20.0	19.2	
$ 50 Dibromofluoromethane (Surr)	113	7.122	7.115	0.007	95	295696	50.0	50.1	
51 1,1,1-Trichloroethane	97	7.128	7.128	0.000	96	255928	20.0	20.9	
52 Cyclohexane	56	7.215	7.215	0.000	88	221353	20.0	21.2	
53 Carbon tetrachloride	117	7.324	7.334	-0.010	96	241199	20.0	21.0	
54 1,1-Dichloropropene	75	7.334	7.334	0.000	93	160359	20.0	20.2	
55 Isobutyl alcohol	41	7.495	7.495	0.000	95	166794	500.0	421.8	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.569	7.575	-0.006	96	67455	50.0	50.8	
57 Benzene	78	7.594	7.594	0.000	96	472770	20.0	20.0	
59 1,2-Dichloroethane	62	7.675	7.675	0.000	98	151325	20.0	19.7	
60 Tert-amyl methyl ether	73	7.781	7.787	-0.006	98	351102	20.0	20.0	M
* 62 Fluorobenzene (IS)	96	7.996	7.996	0.000	99	1037385	50.0	50.0	
63 n-Heptane	43	8.000	8.000	0.000	45	124605	20.0	20.5	
64 n-Butanol	56	8.356	8.356	0.000	86	286627	1000.0	948.4	
65 Trichloroethene	95	8.466	8.463	0.003	95	137749	20.0	19.8	
66 Ethyl acrylate	55	8.585	8.585	0.000	98	104200	20.0	14.0	
67 Methylcyclohexane	83	8.774	8.768	0.006	89	261485	20.0	20.9	
68 2-ethoxy-2-methyl butane	87	8.797	8.803	-0.006	93	186143	20.0	19.7	
69 1,2-Dichloropropane	63	8.800	8.803	-0.003	70	106679	20.0	19.2	
70 Methyl methacrylate	69	8.884	8.881	0.003	88	81850	20.0	18.9	
71 1,4-Dioxane	88	8.893	8.900	-0.007	39	57123	500.0	546.7	Ma
72 Dibromomethane	93	8.910	8.909	0.001	90	81332	20.0	19.7	
74 Dichlorobromomethane	83	9.138	9.138	0.000	98	158740	20.0	19.3	
75 2-Nitropropane	41	9.408	9.411	-0.003	97	29729	20.0	15.1	
76 2-Chloroethyl vinyl ether	63	9.482	9.485	-0.003	94	64918	20.0	18.3	
77 cis-1,3-Dichloropropene	75	9.655	9.659	-0.004	96	166977	20.0	19.0	
78 4-Methyl-2-pentanone (MIBK)	43	9.826	9.826	0.000	95	1637110	250.0	235.2	
$ 79 Toluene-d8 (Surr)	98	9.951	9.951	0.000	93	1026837	50.0	50.4	
118 Toluene	92	10.022	10.025	-0.003	99	311796	20.0	19.8	
120 trans-1,3-Dichloropropene	75	10.266	10.266	0.000	91	154921	20.0	19.5	
121 Ethyl methacrylate	69	10.321	10.324	-0.003	87	150976	20.0	20.1	
122 1,1,2-Trichloroethane	97	10.463	10.466	-0.003	90	108236	20.0	19.5	
123 Tetrachloroethene	166	10.543	10.543	0.000	98	183816	20.0	20.8	
124 1,3-Dichloropropane	76	10.623	10.623	0.000	88	162574	20.0	19.5	
126 2-Hexanone	43	10.672	10.671	0.001	95	1134360	250.0	243.0	
128 Chlorodibromomethane	129	10.826	10.826	0.000	88	139210	20.0	19.3	
129 Ethylene Dibromide	107	10.935	10.938	-0.003	98	117466	20.0	19.7	
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.353	0.000	83	829383	50.0	50.0	
132 1-Chlorohexane	91	11.356	11.356	0.000	88	185889	20.0	20.8	
133 Chlorobenzene	112	11.379	11.379	0.000	97	372054	20.0	19.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
134 1,1,1,2-Tetrachloroethane	131	11.459	11.456	0.003	47	169226	20.0	20.5	
135 Ethylbenzene	91	11.459	11.459	0.000	98	641031	20.0	20.5	
136 m-Xylene & p-Xylene	106	11.565	11.572	-0.007	100	520052	40.0	41.9	
137 n-Butyl acrylate	55	11.836	11.835	0.001	97	155515	20.0	14.9	
138 o-Xylene	106	11.893	11.890	0.003	96	269129	20.0	20.8	
139 Styrene	104	11.906	11.906	0.000	94	405772	20.0	20.6	
140 Bromoform	173	12.064	12.061	0.004	98	111702	20.0	20.7	
141 Isopropylbenzene	105	12.183	12.186	-0.003	95	777142	20.0	21.8	
143 Cyclohexanone	55	12.270	12.270	0.000	90	180697	499.9	503.3	
$ 144 4-Bromofluorobenzene (Surr)	95	12.324	12.324	0.000	98	401919	50.0	52.2	
145 1,1,2,2-Tetrachloroethane	83	12.424	12.424	0.000	95	172852	20.0	19.1	
146 Bromobenzene	156	12.443	12.443	0.000	96	182685	20.0	19.3	
147 trans-1,4-Dichloro-2-butene	53	12.450	12.450	0.000	90	219693	100.0	97.2	
148 1,2,3-Trichloropropane	110	12.472	12.472	0.000	84	59324	20.0	19.2	M
149 N-Propylbenzene	91	12.504	12.504	0.000	98	822201	20.0	20.7	
150 2-Chlorotoluene	126	12.585	12.581	0.004	98	183085	20.0	20.2	
151 1,3,5-Trimethylbenzene	105	12.636	12.636	0.000	94	654311	20.0	20.9	
152 4-Chlorotoluene	126	12.672	12.675	-0.003	96	171284	20.0	19.7	
154 tert-Butylbenzene	134	12.874	12.877	-0.003	91	140405	20.0	20.2	
155 1,2,4-Trimethylbenzene	105	12.916	12.919	-0.003	97	643257	20.0	20.1	
157 sec-Butylbenzene	105	13.038	13.038	0.000	94	825189	20.0	20.8	
158 1,3-Dichlorobenzene	146	13.135	13.138	-0.004	98	358007	20.0	20.1	
159 4-Isopropyltoluene	119	13.141	13.141	0.000	96	725360	20.0	20.3	
* 160 1,4-Dichlorobenzene-d4	152	13.192	13.189	0.003	92	514532	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.208	13.208	0.000	96	354672	20.0	20.0	
162 1,2,3-Trimethylbenzene	105	13.218	13.218	0.000	97	664458	20.0	20.5	
163 Benzyl chloride	91	13.286	13.286	0.000	98	319929	20.0	19.9	
164 1,3-Diethylbenzene	119	13.340	13.340	0.000	96	416594	20.0	21.2	
165 p-Diethylbenzene	119	13.408	13.411	-0.003	95	429887	20.0	20.9	
166 n-Butylbenzene	92	13.430	13.430	0.000	97	315096	20.0	20.6	
167 1,2-Dichlorobenzene	146	13.469	13.466	0.003	98	360897	20.0	20.4	
168 o-diethylbenzene	119	13.482	13.482	0.000	94	356647	20.0	20.3	
170 1,2-Dibromo-3-Chloropropane	75	14.003	14.003	0.000	93	43501	20.0	17.9	
171 1,3,5-Trichlorobenzene	180	14.125	14.122	0.003	97	302236	20.0	20.7	
172 1,2,4-Trichlorobenzene	180	14.546	14.543	0.003	93	284639	20.0	21.0	
173 2-Ethylhexyl acrylate	55	14.597	14.597	0.000	81	155414	20.1	14.6	
174 Hexachlorobutadiene	225	14.626	14.623	0.003	94	112997	20.0	20.1	
175 Naphthalene	128	14.729	14.729	0.000	96	839165	20.0	20.8	
176 1,2,3-Trichlorobenzene	180	14.874	14.871	0.003	96	277793	20.0	20.0	
177 2-Methylnaphthalene	142	15.514	15.517	-0.003	92	527359	20.0	22.3	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LCS_VOC#1_00239	Amount Added:	50.00	Units: uL	
MSV_LCS_2CEVE_00249	Amount Added:	50.00	Units: uL	
MSV_LCS_ACROL_00246	Amount Added:	50.00	Units: uL	
MSV_LCS_CYC_00012	Amount Added:	50.00	Units: uL	
MSV_LCS_ETOH_00012	Amount Added:	50.00	Units: uL	
MSV_QC_2K_GAS_00316	Amount Added:	1.00	Units: uL	
MSV_LCS_OH_Sp_00032	Amount Added:	50.00	Units: uL	
MSV_Cent_ISSS_00044	Amount Added:	5.00	Units: uL	Run Reagent
MSV_V_SMFreon_00052	Amount Added:	0.00	Units:	Run Reagent

Report Date: 23-Sep-2025 09:37:04 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X20.D

Injection Date: 22-Sep-2025 20:50:21 Instrument ID: 7159 Operator ID: kas02648

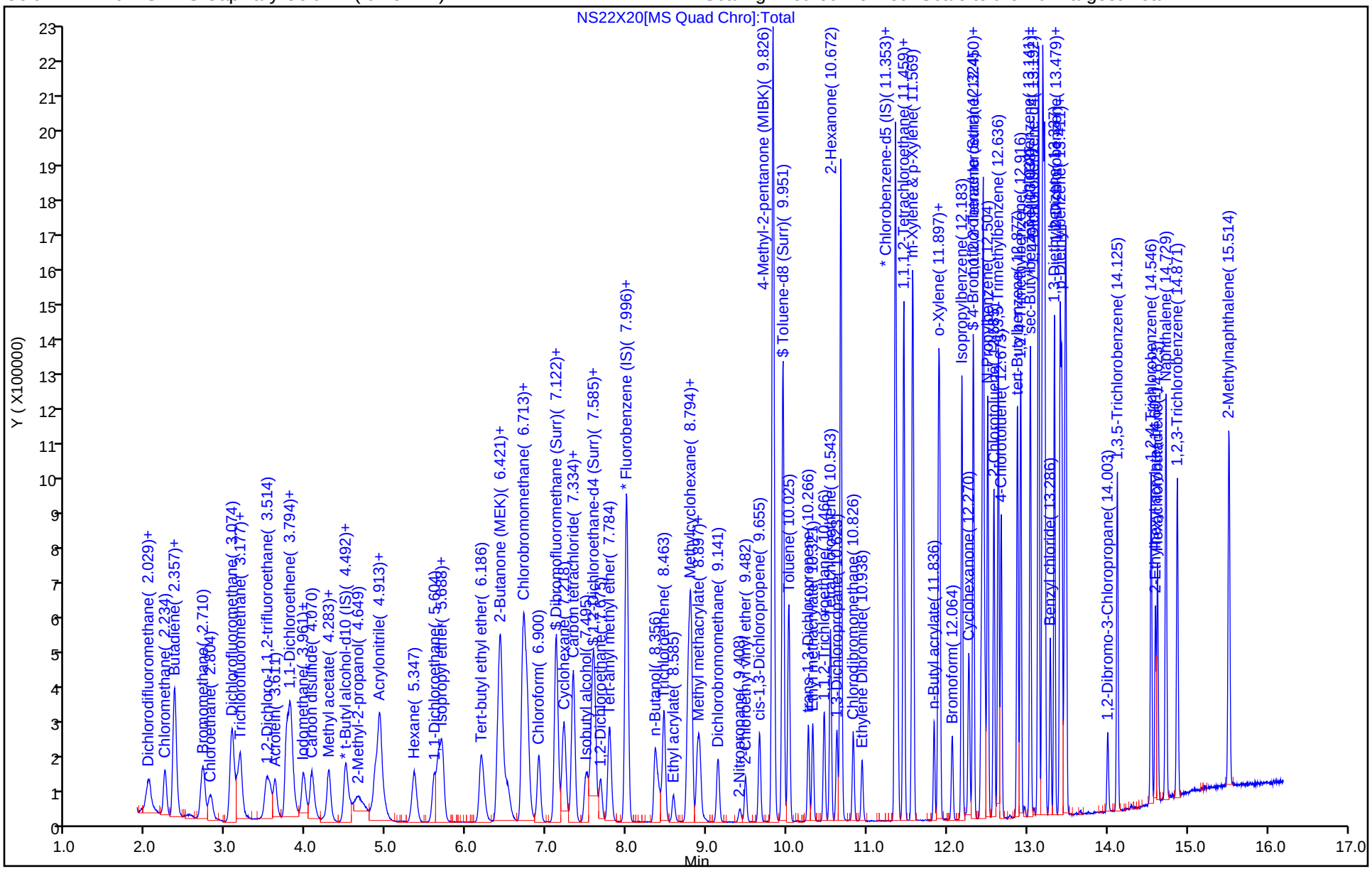
Lims ID: ICV Worklist Smp#: 20

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 19

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

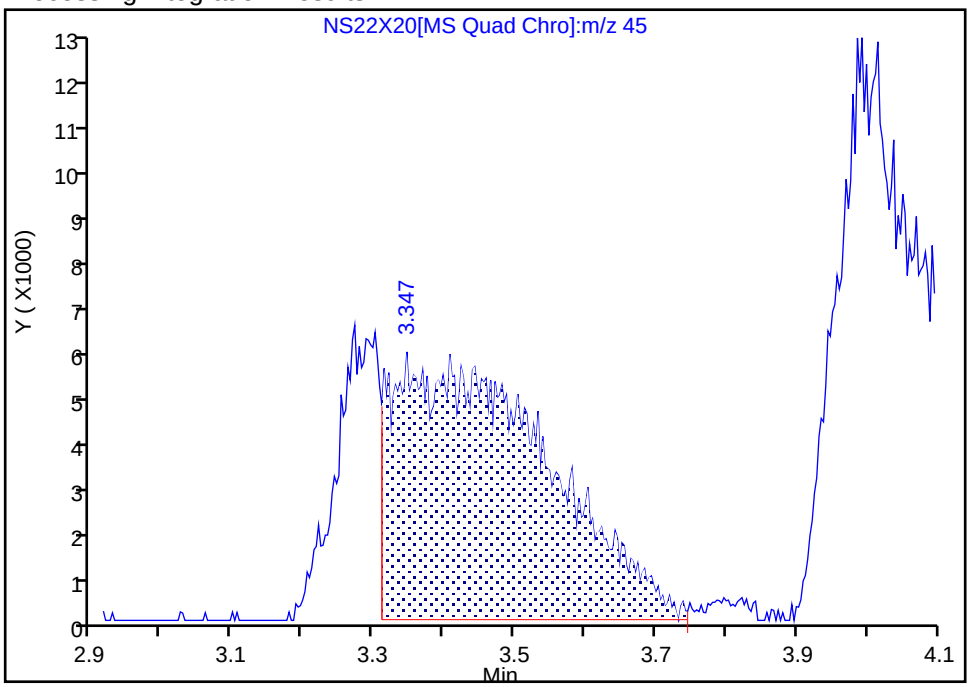
Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X20.D
Injection Date: 22-Sep-2025 20:50:21 Instrument ID: 7159
Lims ID: ICV
Client ID:
Operator ID: kas02648 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

13 Ethanol, CAS: 64-17-5

Signal: 1

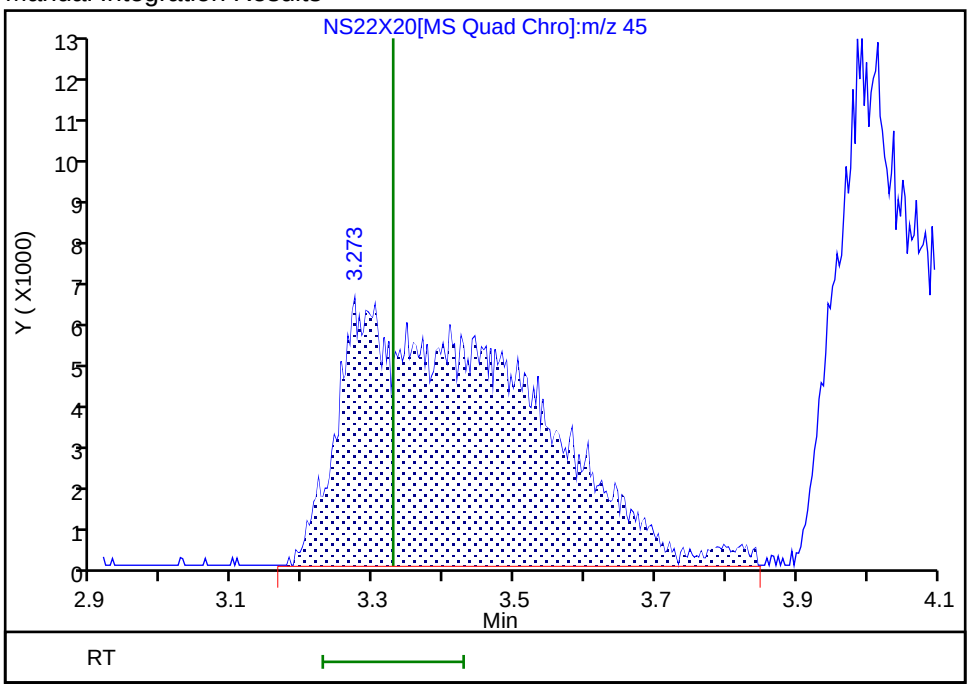
Processing Integration Results

RT: 3.35
Area: 82950
Amount: 886.5210
Amount Units: ug/l



Manual Integration Results

RT: 3.27
Area: 109205
Amount: 1167.1190
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:26:16 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

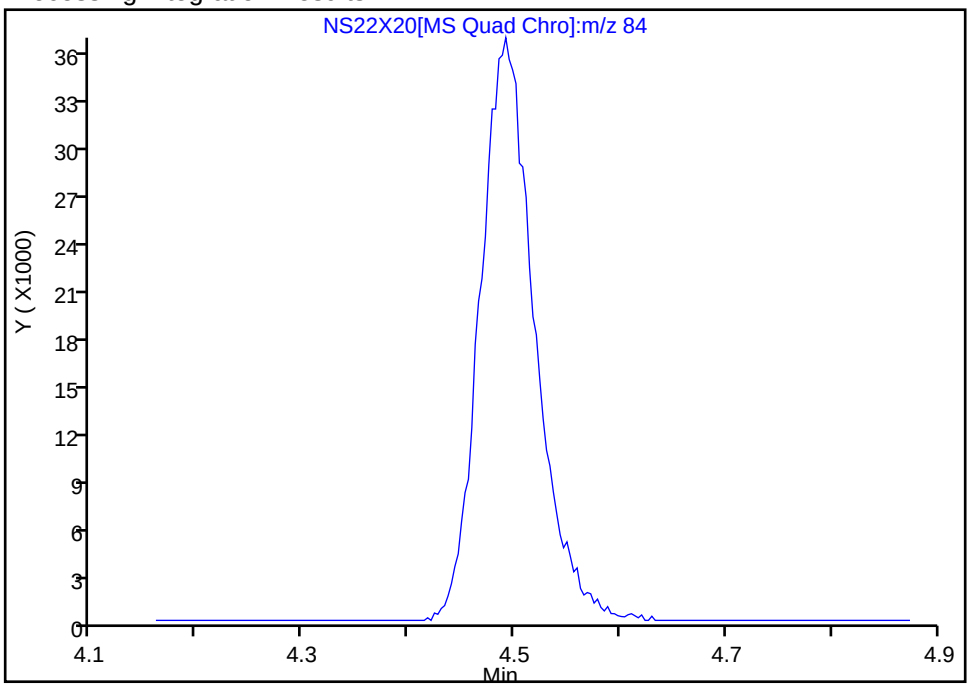
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X20.D				
Injection Date:	22-Sep-2025 20:50:21	Instrument ID:	7159		
Lims ID:	ICV				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methylene Chloride, CAS: 75-09-2

Signal: 1

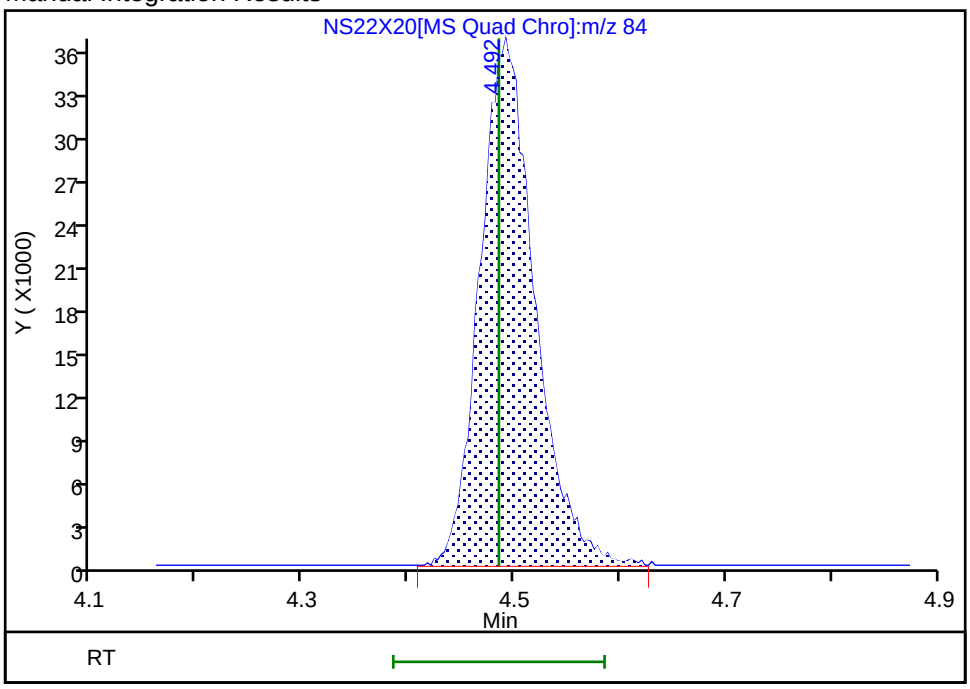
Not Detected
Expected RT: 4.49

Processing Integration Results



Manual Integration Results

RT: 4.49
Area: 129741
Amount: 20.722564
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:26:28 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

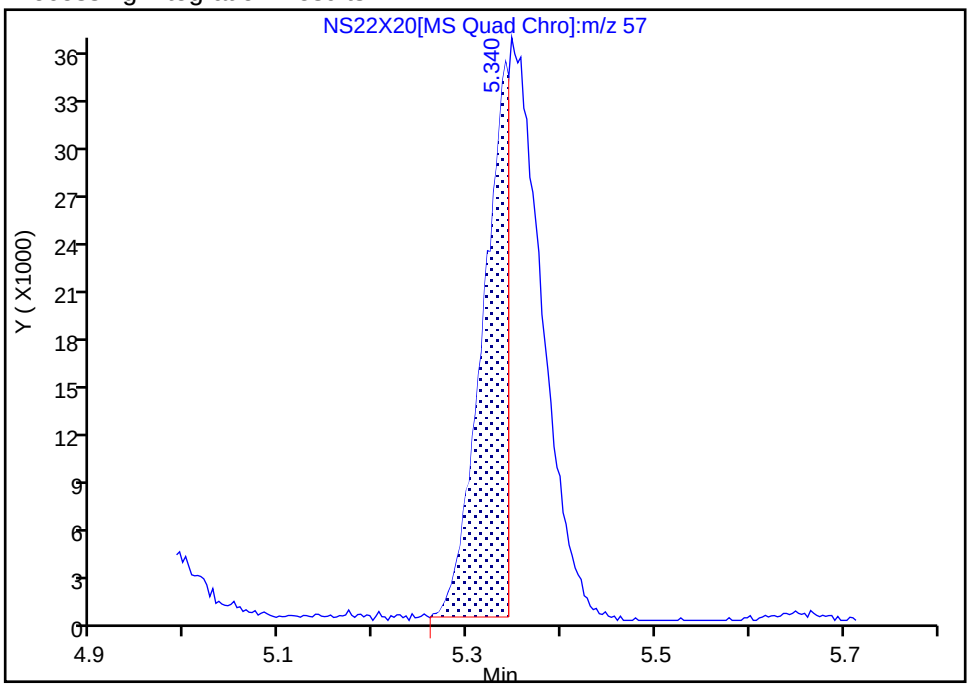
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X20.D				
Injection Date:	22-Sep-2025 20:50:21	Instrument ID:	7159		
Lims ID:	ICV				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

33 Hexane, CAS: 110-54-3

Signal: 1

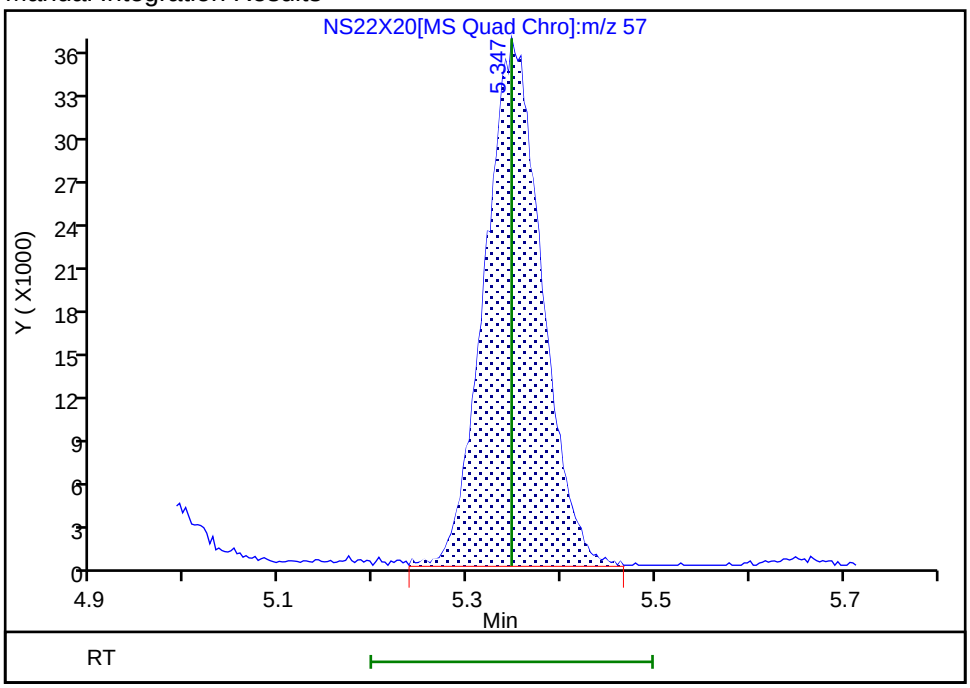
Processing Integration Results

RT: 5.34
Area: 67499
Amount: 9.395932
Amount Units: ug/l



Manual Integration Results

RT: 5.35
Area: 153489
Amount: 21.284298
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:26:39 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

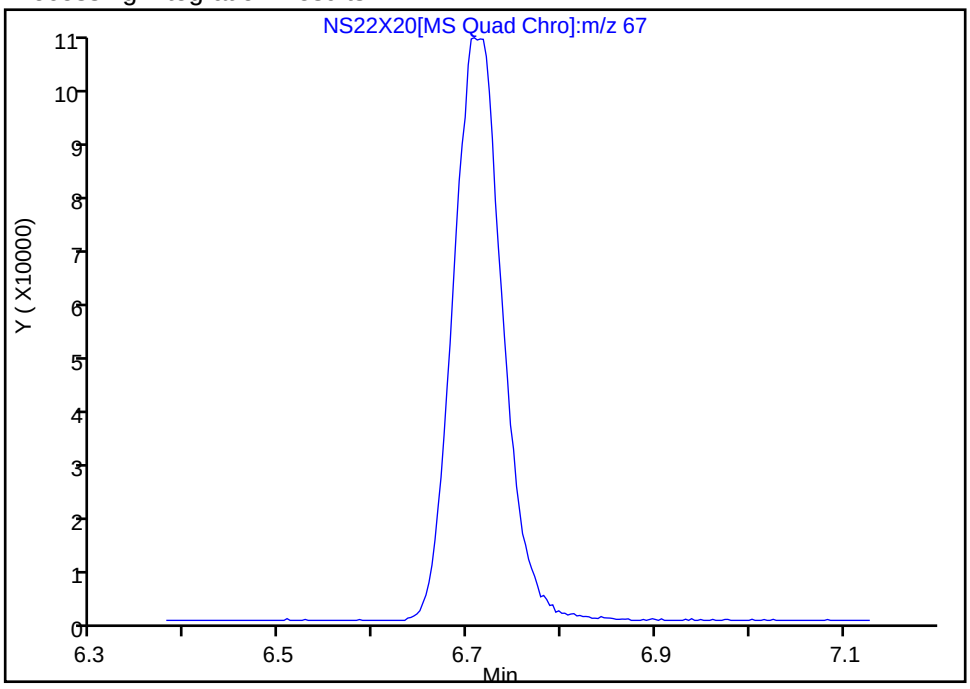
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X20.D				
Injection Date:	22-Sep-2025 20:50:21	Instrument ID:	7159		
Lims ID:	ICV				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

46 Methacrylonitrile, CAS: 126-98-7

Signal: 1

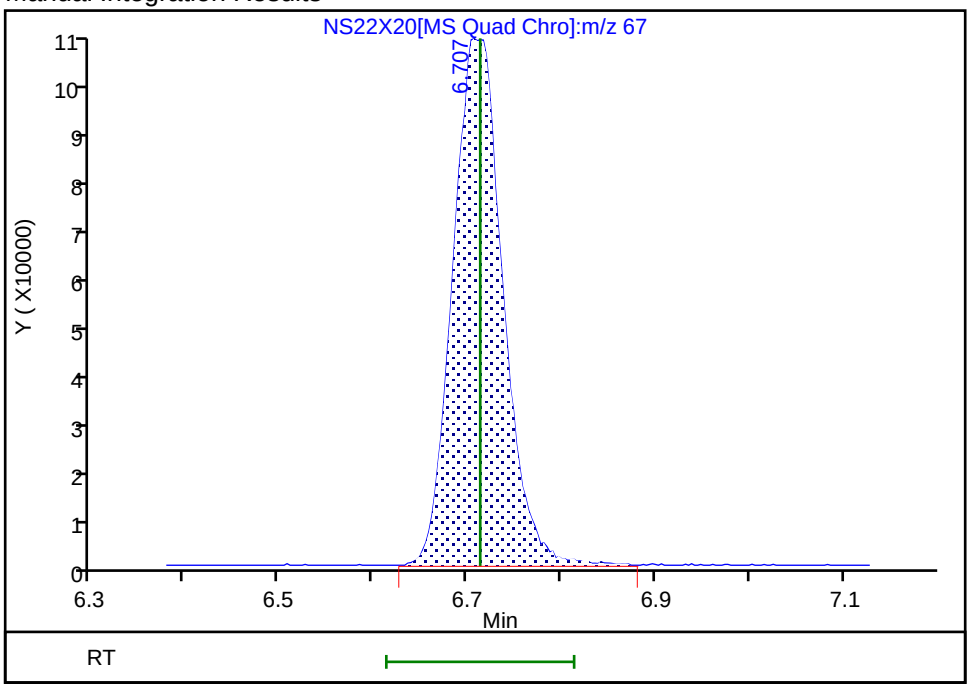
Not Detected
Expected RT: 6.71

Processing Integration Results



Manual Integration Results

RT: 6.71
Area: 390769
Amount: 148.5294
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:26:49 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

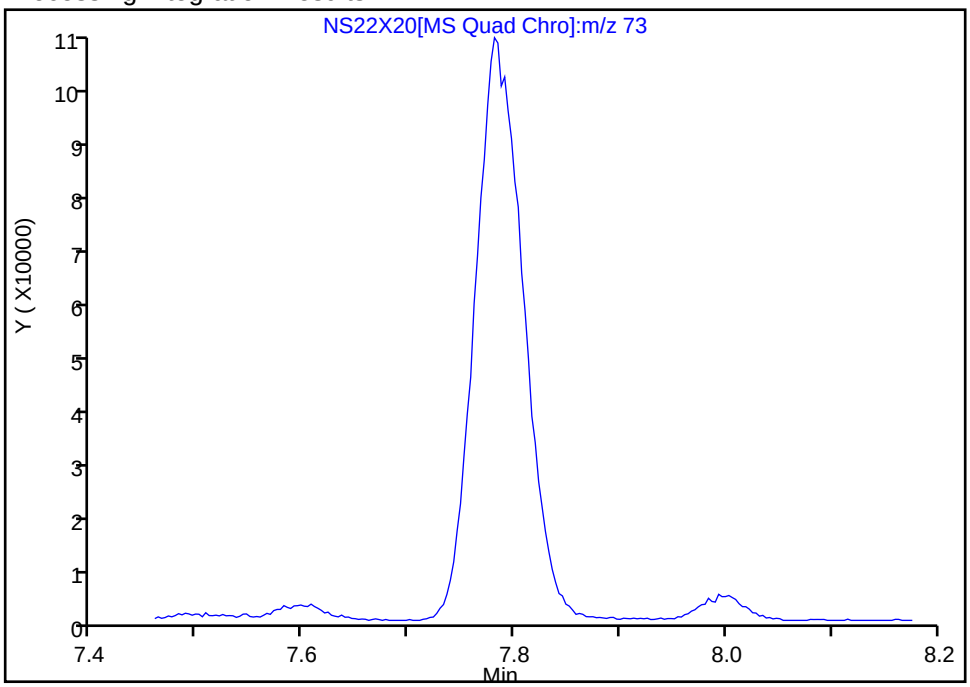
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X20.D				
Injection Date:	22-Sep-2025 20:50:21	Instrument ID:	7159		
Lims ID:	ICV				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

60 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

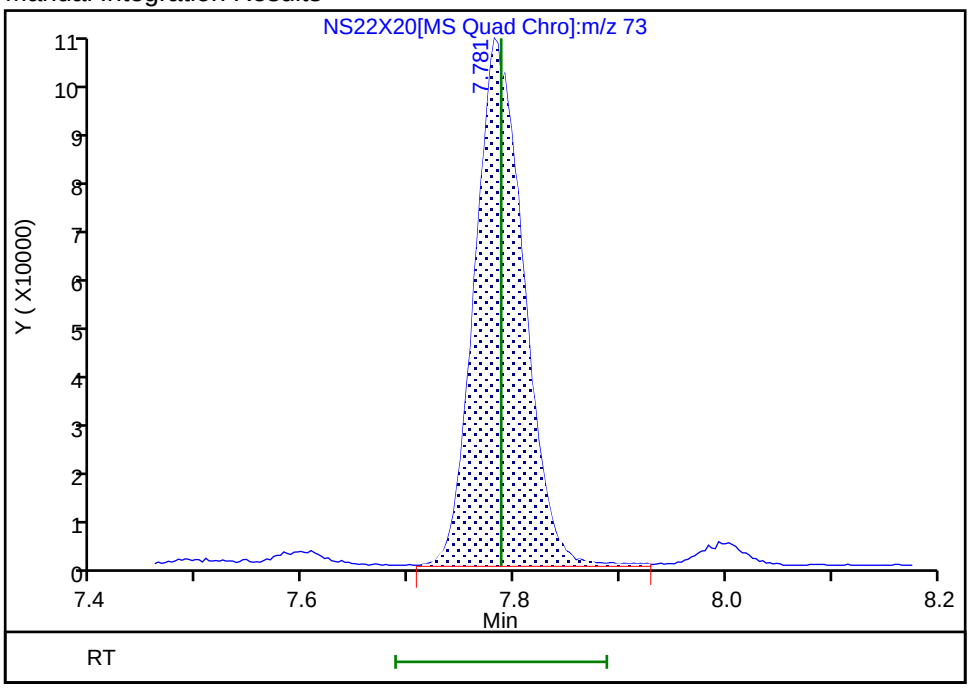
Not Detected
Expected RT: 7.79

Processing Integration Results



Manual Integration Results

RT: 7.78
Area: 351102
Amount: 20.031766
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:27:11 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

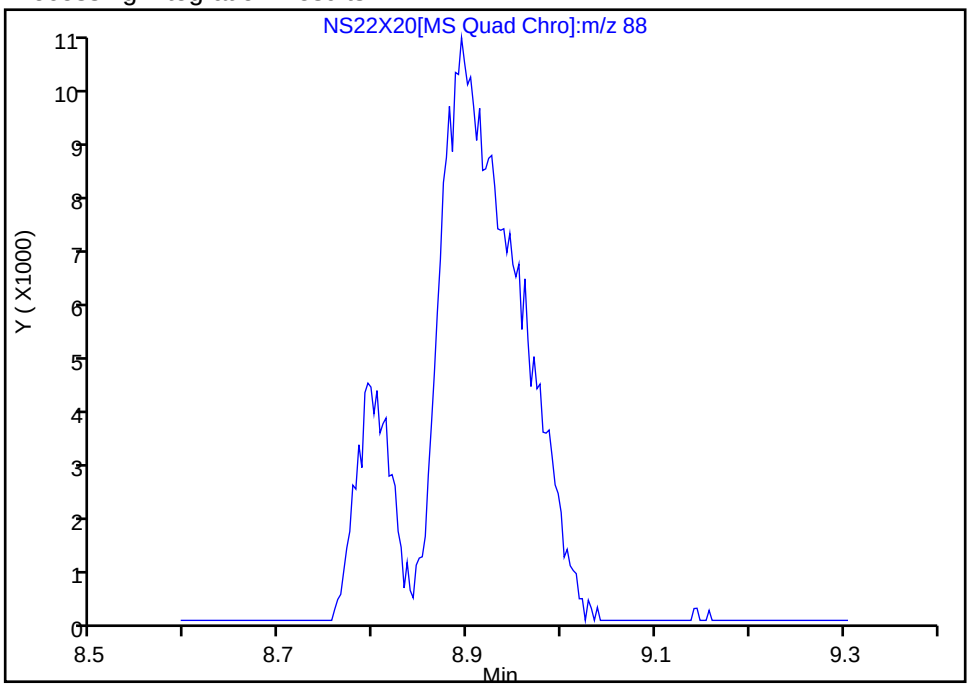
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X20.D				
Injection Date:	22-Sep-2025 20:50:21	Instrument ID:	7159		
Lims ID:	ICV				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

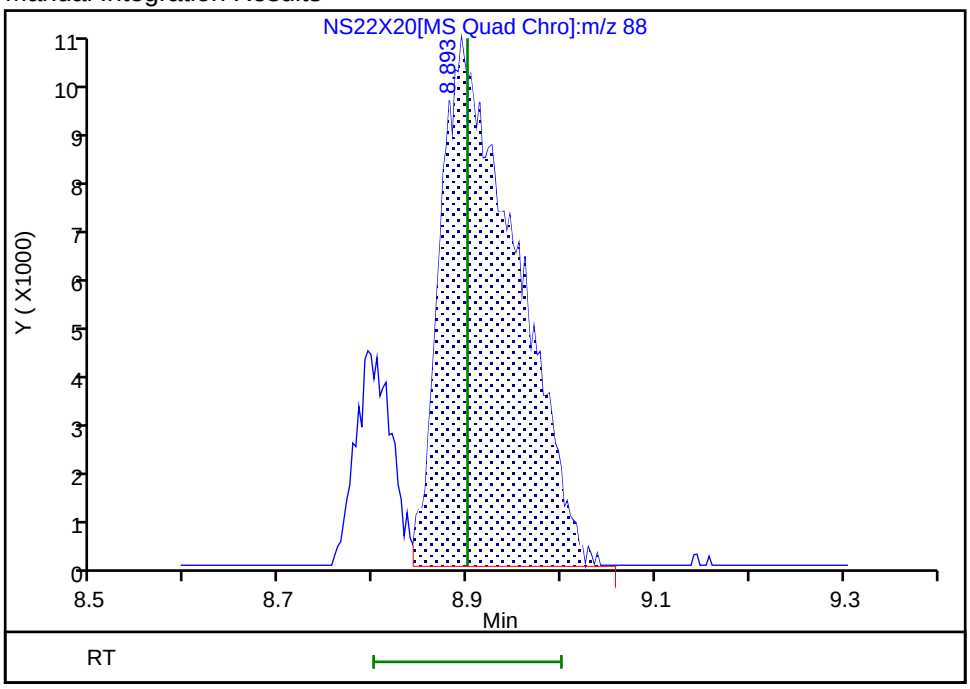
Not Detected
Expected RT: 8.90

Processing Integration Results



Manual Integration Results

RT: 8.89
Area: 57123
Amount: 546.6536
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:27:29 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

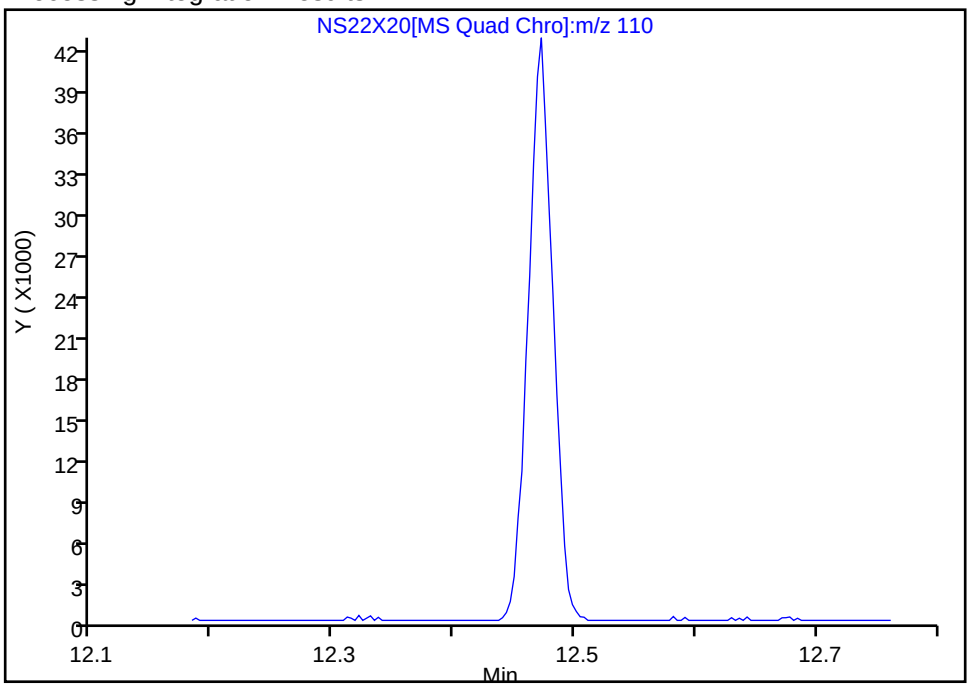
Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X20.D				
Injection Date:	22-Sep-2025 20:50:21	Instrument ID:	7159		
Lims ID:	ICV				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

148 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

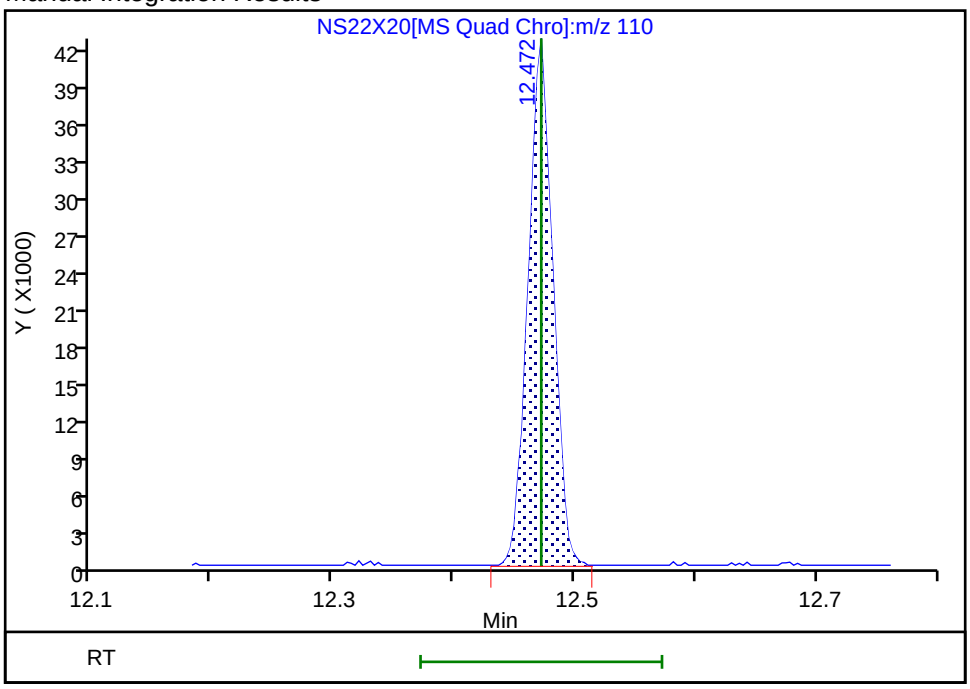
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 59324
Amount: 19.213692
Amount Units: ug/l



Reviewer: JS6E, 23-Sep-2025 04:27:44 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: CCVIS 410-712932/3 Calibration Date: 10/13/2025 10:52

Instrument ID: 7159 Calib Start Date: 09/22/2025 18:51

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 09/22/2025 22:59

Lab File ID: NC13X02.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	0.8281	0.9933	0.1000	60.0	50.0	20.0	20.0
Chloromethane	Ave	0.5940	0.8616	0.1000	72.5	50.0	45.0*	20.0
1,3-Butadiene	Ave	0.3836	0.5088		66.3	50.0	33.0*	20.0
Vinyl chloride	Ave	0.6001	0.8620	0.1000	71.8	50.0	44.0*	20.0
Bromomethane	Ave	0.4664	0.5521	0.1000	59.2	50.0	18.0	20.0
Chloroethane	Ave	0.2758	0.3720	0.1000	67.4	50.0	35.0*	20.0
Dichlorofluoromethane	Ave	0.7864	0.9510		60.5	50.0	21.0*	20.0
Trichlorofluoromethane	Ave	0.8027	0.8120	0.1000	50.6	50.0	1.0	20.0
n-Pentane	Ave	0.3717	0.4335		58.3	50.0	17.0	20.0
Freon 123a	Ave	0.3586	0.4582		63.9	50.0	28.0*	20.0
Acrolein	Ave	1.139	1.164		499	488	2.0	20.0
1,1-Dichloroethene	Ave	0.2761	0.2542	0.1000	46.0	50.0	-8.0	20.0
Acetone	Ave	0.5758	0.6000	0.1000	104	100	4.0	20.0
Freon 113	Ave	0.3994	0.3886	0.1000	48.7	50.0	-3.0	20.0
Methyl iodide	Ave	0.6594	0.5174		39.2	50.0	-22.0*	20.0
2-Propanol	Ave	0.7226	0.5630		195	250	-22.0*	20.0
Carbon disulfide	Ave	0.9226	1.032	0.1000	56.0	50.0	12.0	20.0
Methyl acetate	Ave	0.2081	0.2129	0.1000	51.2	50.0	2.0	20.0
Allyl chloride	Ave	0.3222	0.3685		57.2	50.0	14.0	20.0
Methylene Chloride	Ave	0.3018	0.3107	0.1000	51.5	50.0	3.0	20.0
t-Butyl alcohol	Ave	1.056	0.999		236	250	-5.0	20.0
Acrylonitrile	Ave	0.1163	0.1281		138	125	10.0	20.0
Methyl tert-butyl ether	Ave	0.9435	0.9343	0.1000	49.5	50.0	-1.0	20.0
trans-1,2-Dichloroethene	Ave	0.3079	0.2973	0.1000	48.3	50.0	-3.0	20.0
n-Hexane	Ave	0.3476	0.4148		59.7	50.0	19.0	20.0
1,1-Dichloroethane	Ave	0.4652	0.4983	0.2000	53.6	50.0	7.0	20.0
Isopropyl ether	Ave	0.7511	0.8634		57.5	50.0	15.0	20.0
2-Chloro-1,3-butadiene	Ave	0.3894	0.3837		49.3	50.0	-1.0	20.0
Ethyl t-butyl ether	Ave	0.8356	0.8670		51.9	50.0	4.0	20.0
2-Butanone (MEK)	Ave	0.1493	0.1404	0.1000	94.0	100	-6.0	20.0
cis-1,2-Dichloroethene	Ave	0.3535	0.3358	0.1000	47.5	50.0	-5.0	20.0
2,2-Dichloropropane	Ave	0.5222	0.5298		50.7	50.0	1.0	20.0
Propionitrile	Ave	0.9124	0.9349		256	250	2.0	20.0
Methacrylonitrile	Ave	0.1268	0.1263		124	125	0.0	20.0
Bromochloromethane	Ave	0.1928	0.1695		44.0	50.0	-12.0	20.0
Tetrahydrofuran	Ave	0.8468	0.8235		243	250	-3.0	20.0
Chloroform	Ave	0.5770	0.5285	0.2000	45.8	50.0	-8.0	20.0
1,1,1-Trichloroethane	Ave	0.5912	0.5343	0.1000	45.2	50.0	-10.0	20.0
Cyclohexane	Ave	0.5041	0.5722	0.1000	56.7	50.0	13.0	20.0
Carbon tetrachloride	Ave	0.5535	0.4699	0.1000	42.4	50.0	-15.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: CCVIS 410-712932/3 Calibration Date: 10/13/2025 10:52

Instrument ID: 7159 Calib Start Date: 09/22/2025 18:51

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 09/22/2025 22:59

Lab File ID: NC13X02.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
1,1-Dichloropropene	Ave	0.3827	0.3827		50.0	50.0	0.0	20.0
Isobutyl alcohol	Ave	0.2916	0.2714		582	625	-7.0	20.0
Benzene	Ave	1.137	1.207	0.5000	53.0	50.0	6.0	20.0
1,2-Dichloroethane	Ave	0.3698	0.3329	0.1000	45.0	50.0	-10.0	20.0
t-Amyl methyl ether	Ave	0.8448	0.8573		50.7	50.0	1.0	20.0
n-Heptane	Ave	0.2923	0.3682		63.0	50.0	26.0*	20.0
n-Butanol	Ave	0.2228	0.2270		637	625	2.0	20.0
Trichloroethene	Ave	0.3361	0.3063	0.2000	45.6	50.0	-9.0	20.0
Methylcyclohexane	Ave	0.6043	0.6316	0.1000	52.3	50.0	5.0	20.0
1,2-Dichloropropane	Ave	0.2682	0.3012	0.1000	56.2	50.0	12.0	20.0
t-Amyl ethyl ether	Ave	0.4562	0.4587		50.3	50.0	1.0	20.0
Methyl methacrylate	Ave	0.2089	0.2005		48.0	50.0	-4.0	20.0
1,4-Dioxane	Ave	0.0770	0.0825	0.0050	669	625	7.0	20.0
Dibromomethane	Ave	0.1990	0.1861		46.8	50.0	-6.0	20.0
Bromodichloromethane	Ave	0.3971	0.3755	0.2000	47.3	50.0	-5.0	20.0
2-Nitropropane	Ave	1.455	1.221		210	250	-16.0	20.0
2-Chloroethyl vinyl ether	Ave	0.1710	0.1611		47.1	50.0	-6.0	20.0
cis-1,3-Dichloropropene	Ave	0.4235	0.4018	0.2000	47.4	50.0	-5.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3355	0.3373	0.1000	101	100	1.0	20.0
Toluene	Ave	0.9496	1.041	0.4000	54.8	50.0	10.0	20.0
trans-1,3-Dichloropropene	Ave	0.4794	0.5238	0.1000	54.6	50.0	9.0	20.0
Ethyl methacrylate	Ave	0.4517	0.5129		56.8	50.0	14.0	20.0
1,1,2-Trichloroethane	Ave	0.3346	0.3687	0.1000	55.1	50.0	10.0	20.0
Tetrachloroethene	Ave	0.5332	0.4575	0.2000	42.9	50.0	-14.0	20.0
1,3-Dichloropropane	Ave	0.5015	0.5621		56.0	50.0	12.0	20.0
2-Hexanone	Ave	0.2815	0.3004	0.1000	107	100	7.0	20.0
Dibromochloromethane	Ave	0.4355	0.4146		47.6	50.0	-5.0	20.0
1,2-Dibromoethane (EDB)	Ave	0.3600	0.3537	0.1000	49.1	50.0	-2.0	20.0
1-Chlorohexane	Ave	0.5387	0.5563		51.6	50.0	3.0	20.0
Chlorobenzene	Ave	1.126	1.128	0.5000	50.1	50.0	0.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4974	0.5148		51.7	50.0	3.0	20.0
Ethylbenzene	Ave	1.884	2.045	0.1000	54.3	50.0	9.0	20.0
m&p-Xylene	Ave	0.7479	0.7947	0.1000	106	100	6.0	20.0
o-Xylene	Ave	0.7798	0.8251	0.3000	52.9	50.0	6.0	20.0
Styrene	Ave	1.186	1.215	0.3000	51.2	50.0	2.0	20.0
Bromoform	Ave	0.3248	0.2798	0.1000	43.1	50.0	-14.0	20.0
Isopropylbenzene	Ave	2.154	2.387	0.1000	55.4	50.0	11.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8783	1.187	0.3000	67.6	50.0	35.0*	20.0
Bromobenzene	Ave	0.9202	0.8759		47.6	50.0	-5.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2197	0.2769		158	125	26.0*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: CCVIS 410-712932/3 Calibration Date: 10/13/2025 10:52

Instrument ID: 7159 Calib Start Date: 09/22/2025 18:51

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 09/22/2025 22:59

Lab File ID: NC13X02.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
1,2,3-Trichloropropane	Ave	0.3000	0.3425		57.1	50.0	14.0	20.0
N-Propylbenzene	Ave	3.866	5.100		66.0	50.0	32.0*	20.0
2-Chlorotoluene	Ave	0.8804	0.9798		55.6	50.0	11.0	20.0
1,3,5-Trimethylbenzene	Ave	3.048	3.859		63.3	50.0	27.0*	20.0
4-Chlorotoluene	Ave	0.8437	0.9387		55.6	50.0	11.0	20.0
tert-Butylbenzene	Ave	0.6759	0.8086		59.8	50.0	20.0	20.0
1,2,4-Trimethylbenzene	Ave	3.108	3.835		61.7	50.0	23.0*	20.0
sec-Butylbenzene	Ave	3.856	5.365		69.6	50.0	39.0*	20.0
1,3-Dichlorobenzene	Ave	1.727	1.804	0.6000	52.2	50.0	4.0	20.0
p-Isopropyltoluene	Ave	3.472	4.336		62.4	50.0	25.0*	20.0
1,4-Dichlorobenzene	Ave	1.722	1.780	0.5000	51.7	50.0	3.0	20.0
1,2,3-Trimethylbenzene	Ave	3.155	4.005		63.5	50.0	27.0*	20.0
Benzyl chloride	Ave	1.564	2.267		72.5	50.0	45.0*	20.0
1,3-Diethylbenzene	Ave	1.907	2.346		61.5	50.0	23.0*	20.0
1,4-Diethylbenzene	Ave	1.997	2.475		62.0	50.0	24.0*	20.0
n-Butylbenzene	Ave	1.487	2.091		70.3	50.0	41.0*	20.0
1,2-Dichlorobenzene	Ave	1.719	1.835	0.4000	53.4	50.0	7.0	20.0
1,2-Diethylbenzene	Ave	1.709	2.158		63.1	50.0	26.0*	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2363	0.2731	0.0500	57.8	50.0	16.0	20.0
1,3,5-Trichlorobenzene	Ave	1.419	1.404		49.5	50.0	-1.0	20.0
1,2,4-Trichlorobenzene	Ave	1.320	1.304	0.2000	49.4	50.0	-1.0	20.0
Hexachlorobutadiene	Ave	0.5471	0.5348		48.9	50.0	-2.0	20.0
Naphthalene	Ave	3.922	4.574		58.3	50.0	17.0	20.0
1,2,3-Trichlorobenzene	Ave	1.352	1.345		49.7	50.0	-1.0	20.0
2-Methylnaphthalene	Ave	2.297	2.553		55.6	50.0	11.0	20.0
Dibromofluoromethane (Surr)	Ave	0.2842	0.2566		45.1	50.0	-10.0	
1,2-Dichloroethane-d4 (Surr)	Ave	0.0641	0.0617		48.1	50.0	-4.0	
Toluene-d8 (Surr)	Ave	1.228	1.361		55.4	50.0	11.0	
4-Bromofluorobenzene (Surr)	Ave	0.4638	0.4455		48.0	50.0	-4.0	

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X02.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 13-Oct-2025 10:52:56 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162929-003
Misc. Info.: CCVIS
Operator ID: knk41612 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub21

Method: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 13-Oct-2025 14:10:31 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

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

First Level Reviewer: DVW2 Date: 13-Oct-2025 11:47:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.038	2.038	0.000	99	1161201	50.0	60.0	
4 Chloromethane	50	2.241	2.241	0.000	99	1007229	50.0	72.5	
5 Butadiene	39	2.353	2.353	0.000	91	594775	50.0	66.3	
6 Vinyl chloride	62	2.366	2.366	0.000	98	1007662	50.0	71.8	
8 Bromomethane	94	2.707	2.707	0.000	91	645402	50.0	59.2	
9 Chloroethane	64	2.820	2.820	0.000	99	434910	50.0	67.4	
10 Dichlorofluoromethane	67	3.074	3.074	0.000	97	1111747	50.0	60.5	
11 Trichlorofluoromethane	101	3.144	3.144	0.000	93	949189	50.0	50.6	
12 Pentane	43	3.186	3.186	0.000	97	506780	50.0	58.3	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.511	3.511	0.000	91	535641	50.0	63.9	
16 Acrolein	56	3.610	3.610	0.000	99	777906	487.9	498.7	
17 1,1-Dichloroethene	96	3.752	3.752	0.000	96	297117	50.0	46.0	
19 Acetone	58	3.797	3.797	0.000	86	82188	100.0	104.2	
18 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.800	3.800	0.000	85	454299	50.0	48.7	M
20 Iodomethane	142	3.961	3.961	0.000	99	604800	50.0	39.2	
21 Isopropyl alcohol	45	3.983	3.983	0.000	37	192782	250.0	194.8	
22 Carbon disulfide	76	4.070	4.070	0.000	98	1206935	50.0	56.0	
24 Methyl acetate	43	4.263	4.263	0.000	96	248933	50.0	51.2	
25 3-Chloro-1-propene	41	4.289	4.289	0.000	95	430753	50.0	57.2	M
26 Methylene Chloride	84	4.492	4.492	0.000	83	363201	50.0	51.5	M
* 27 t-Butyl alcohol-d10 (IS)	65	4.511	4.511	0.000	91	342435	250.0	250.0	M
28 2-Methyl-2-propanol	59	4.646	4.646	0.000	98	341963	250.0	236.4	
29 Acrylonitrile	53	4.855	4.855	0.000	100	374369	125.0	137.6	
32 Methyl tert-butyl ether	73	4.919	4.919	0.000	88	1092220	50.0	49.5	
31 trans-1,2-Dichloroethene	96	4.922	4.922	0.000	97	347569	50.0	48.3	
33 Hexane	57	5.356	5.356	0.000	91	484918	50.0	59.7	
35 1,1-Dichloroethane	63	5.591	5.591	0.000	95	582511	50.0	53.6	M
36 Isopropyl ether	45	5.655	5.655	0.000	95	1009315	50.0	57.5	
37 2-Chloro-1,3-butadiene	53	5.704	5.704	0.000	89	448508	50.0	49.3	
39 Tert-butyl ethyl ether	59	6.189	6.189	0.000	98	1013564	50.0	51.9	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Butanone (MEK)	43	6.405	6.405	0.000	98	328152	100.0	94.0	
41 cis-1,2-Dichloroethene	96	6.427	6.427	0.000	78	392599	50.0	47.5	
43 2,2-Dichloropropane	77	6.440	6.440	0.000	83	619309	50.0	50.7	
44 Propionitrile	54	6.501	6.501	0.000	98	320154	250.0	256.2	a
46 Methacrylonitrile	67	6.710	6.710	0.000	92	369095	125.0	124.5	a
47 Chlorobromomethane	128	6.755	6.755	0.000	96	198165	50.0	44.0	
48 Tetrahydrofuran	71	6.762	6.762	0.000	87	282006	250.0	243.1	
49 Chloroform	83	6.903	6.903	0.000	92	617774	50.0	45.8	
$ 50 Dibromofluoromethane (Surr)	113	7.118	7.118	0.000	93	299961	50.0	45.1	
51 1,1,1-Trichloroethane	97	7.128	7.128	0.000	97	624589	50.0	45.2	
52 Cyclohexane	56	7.218	7.218	0.000	88	668867	50.0	56.7	
53 Carbon tetrachloride	117	7.331	7.331	0.000	96	549293	50.0	42.4	
54 1,1-Dichloropropene	75	7.337	7.337	0.000	97	447316	50.0	50.0	
55 Isobutyl alcohol	41	7.491	7.491	0.000	95	232305	625.0	581.7	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.572	7.572	0.000	96	72104	50.0	48.1	
57 Benzene	78	7.604	7.604	0.000	95	1410583	50.0	53.0	
59 1,2-Dichloroethane	62	7.675	7.675	0.000	97	389151	50.0	45.0	
60 Tert-amyl methyl ether	73	7.790	7.790	0.000	99	1002149	50.0	50.7	
* 62 Fluorobenzene (IS)	96	7.996	7.996	0.000	99	1168982	50.0	50.0	M
63 n-Heptane	43	8.003	8.003	0.000	87	430448	50.0	63.0	
64 n-Butanol	56	8.356	8.356	0.000	87	194374	625.0	636.8	
65 Trichloroethene	95	8.469	8.469	0.000	98	358070	50.0	45.6	
67 Methylcyclohexane	83	8.778	8.778	0.000	90	738331	50.0	52.3	
69 1,2-Dichloropropane	63	8.803	8.803	0.000	68	352146	50.0	56.2	
68 2-ethoxy-2-methyl butane	87	8.810	8.810	0.000	93	536174	50.0	50.3	
70 Methyl methacrylate	69	8.884	8.884	0.000	89	234427	50.0	48.0	
71 1,4-Dioxane	88	8.893	8.893	0.000	57	70603	625.0	669.0	
72 Dibromomethane	93	8.913	8.913	0.000	97	217539	50.0	46.8	
74 Dichlorobromomethane	83	9.138	9.138	0.000	99	439009	50.0	47.3	
75 2-Nitropropane	41	9.411	9.411	0.000	98	418249	250.0	209.8	
76 2-Chloroethyl vinyl ether	63	9.482	9.482	0.000	91	188344	50.0	47.1	
77 cis-1,3-Dichloropropene	75	9.659	9.659	0.000	98	469703	50.0	47.4	
78 4-Methyl-2-pentanone (MIBK)	43	9.829	9.829	0.000	95	788621	100.0	100.5	
$ 79 Toluene-d8 (Surr)	98	9.954	9.954	0.000	93	1078981	50.0	55.4	
118 Toluene	92	10.028	10.028	0.000	98	825086	50.0	54.8	
120 trans-1,3-Dichloropropene	75	10.269	10.269	0.000	90	415263	50.0	54.6	
121 Ethyl methacrylate	69	10.324	10.324	0.000	87	406591	50.0	56.8	
122 1,1,2-Trichloroethane	97	10.469	10.469	0.000	89	292256	50.0	55.1	
123 Tetrachloroethene	166	10.546	10.546	0.000	97	362634	50.0	42.9	
124 1,3-Dichloropropane	76	10.626	10.626	0.000	88	445558	50.0	56.0	
126 2-Hexanone	43	10.675	10.675	0.000	95	476223	100.0	106.7	
128 Chlorodibromomethane	129	10.832	10.832	0.000	90	328696	50.0	47.6	
129 Ethylene Dibromide	107	10.942	10.942	0.000	98	280368	50.0	49.1	
* 131 Chlorobenzene-d5 (IS)	117	11.356	11.356	0.000	84	792725	50.0	50.0	
132 1-Chlorohexane	91	11.359	11.359	0.000	94	441014	50.0	51.6	
133 Chlorobenzene	112	11.382	11.382	0.000	96	894427	50.0	50.1	
134 1,1,1,2-Tetrachloroethane	131	11.459	11.459	0.000	98	408085	50.0	51.7	
135 Ethylbenzene	91	11.466	11.466	0.000	98	1621394	50.0	54.3	
136 m-Xylene & p-Xylene	106	11.575	11.575	0.000	99	1259919	100.0	106.3	
138 o-Xylene	106	11.896	11.896	0.000	96	654047	50.0	52.9	
139 Styrene	104	11.909	11.909	0.000	94	962980	50.0	51.2	
140 Bromoform	173	12.064	12.064	0.000	96	221819	50.0	43.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
141 Isopropylbenzene	105	12.189	12.189	0.000	95	1891905	50.0	55.4	
$ 144 4-Bromofluorobenzene (Surr)	95	12.331	12.331	0.000	91	353169	50.0	48.0	
145 1,1,2,2-Tetrachloroethane	83	12.430	12.430	0.000	93	491040	50.0	67.6	
146 Bromobenzene	156	12.450	12.450	0.000	95	362204	50.0	47.6	
147 trans-1,4-Dichloro-2-butene	53	12.453	12.453	0.000	91	286251	125.0	157.5	
148 1,2,3-Trichloropropane	110	12.475	12.475	0.000	83	141638	50.0	57.1	
149 N-Propylbenzene	91	12.511	12.511	0.000	99	2108891	50.0	66.0	
150 2-Chlorotoluene	126	12.588	12.588	0.000	97	405164	50.0	55.6	
151 1,3,5-Trimethylbenzene	105	12.642	12.642	0.000	94	1595920	50.0	63.3	
152 4-Chlorotoluene	126	12.678	12.678	0.000	97	388156	50.0	55.6	
154 tert-Butylbenzene	134	12.884	12.884	0.000	93	334353	50.0	59.8	
155 1,2,4-Trimethylbenzene	105	12.922	12.922	0.000	97	1585801	50.0	61.7	
157 sec-Butylbenzene	105	13.044	13.044	0.000	94	2218674	50.0	69.6	
158 1,3-Dichlorobenzene	146	13.141	13.141	0.000	97	746057	50.0	52.2	
159 4-Isopropyltoluene	119	13.147	13.147	0.000	97	1792882	50.0	62.4	
* 160 1,4-Dichlorobenzene-d4	152	13.195	13.195	0.000	94	413514	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.215	13.215	0.000	95	735992	50.0	51.7	
162 1,2,3-Trimethylbenzene	105	13.224	13.224	0.000	98	1656164	50.0	63.5	
163 Benzyl chloride	91	13.292	13.292	0.000	98	937249	50.0	72.5	
164 1,3-Diethylbenzene	119	13.343	13.343	0.000	95	970005	50.0	61.5	
165 p-Diethylbenzene	119	13.414	13.414	0.000	94	1023650	50.0	62.0	
166 n-Butylbenzene	92	13.437	13.437	0.000	98	864700	50.0	70.3	
167 1,2-Dichlorobenzene	146	13.475	13.475	0.000	98	758994	50.0	53.4	
168 o-diethylbenzene	119	13.488	13.488	0.000	96	892269	50.0	63.1	
170 1,2-Dibromo-3-Chloropropane	75	14.009	14.009	0.000	89	112947	50.0	57.8	
171 1,3,5-Trichlorobenzene	180	14.131	14.131	0.000	97	580413	50.0	49.5	
172 1,2,4-Trichlorobenzene	180	14.552	14.552	0.000	94	539262	50.0	49.4	
174 Hexachlorobutadiene	225	14.630	14.630	0.000	98	221163	50.0	48.9	
175 Naphthalene	128	14.736	14.736	0.000	97	1891354	50.0	58.3	
176 1,2,3-Trichlorobenzene	180	14.877	14.877	0.000	96	556059	50.0	49.7	
177 2-Methylnaphthalene	142	15.523	15.523	0.000	91	1055658	50.0	55.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00257	Amount Added:	5.00	Units: uL	
MSV_CCV_2CEVE_00250	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#3_00259	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_01144	Amount Added:	2.50	Units: uL	
MSV_Cent_ISSS_00045	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 13-Oct-2025 14:10:32 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X02.D

Injection Date: 13-Oct-2025 10:52:56 Instrument ID: 7159 Operator ID: knk41612

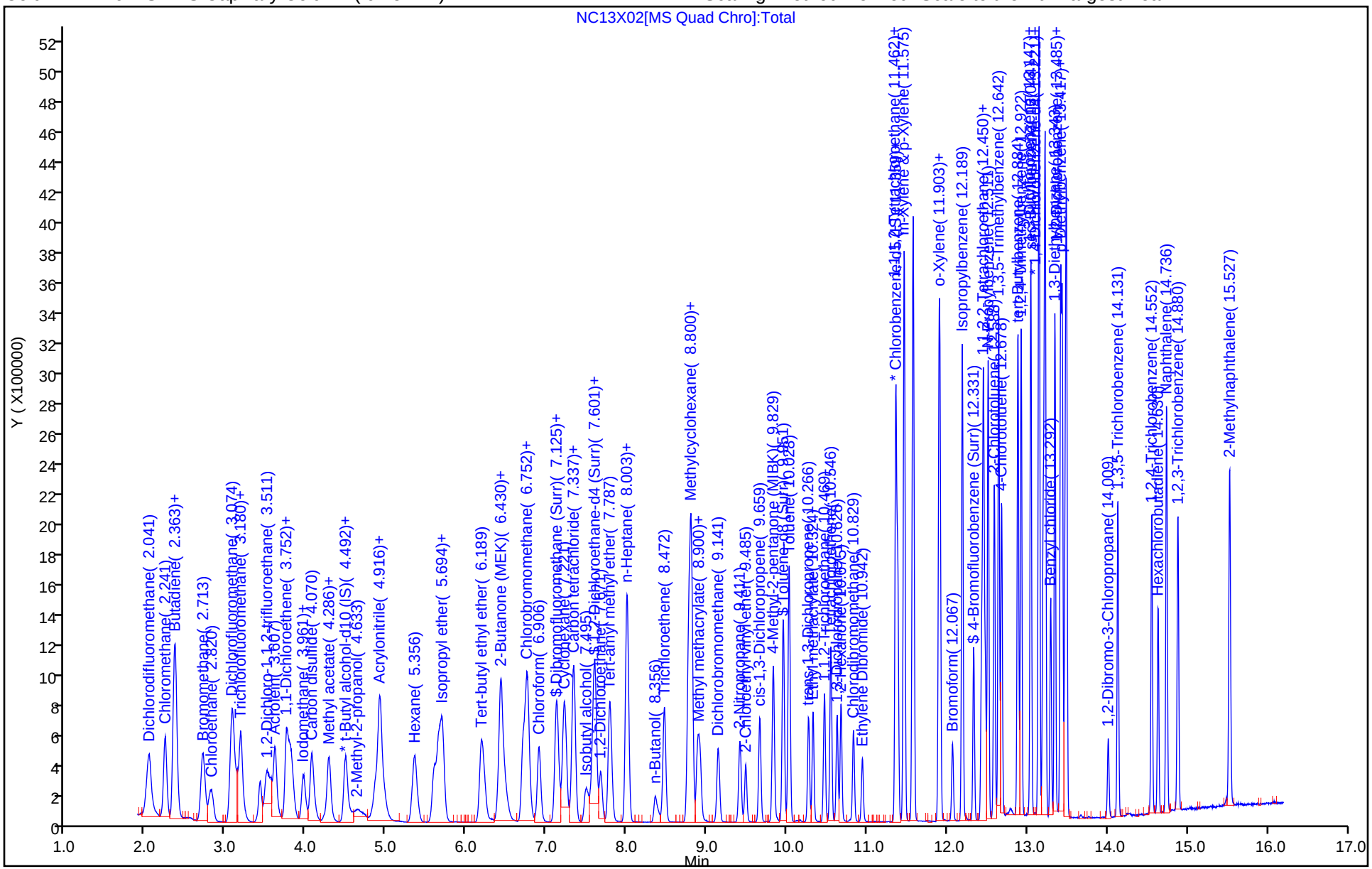
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

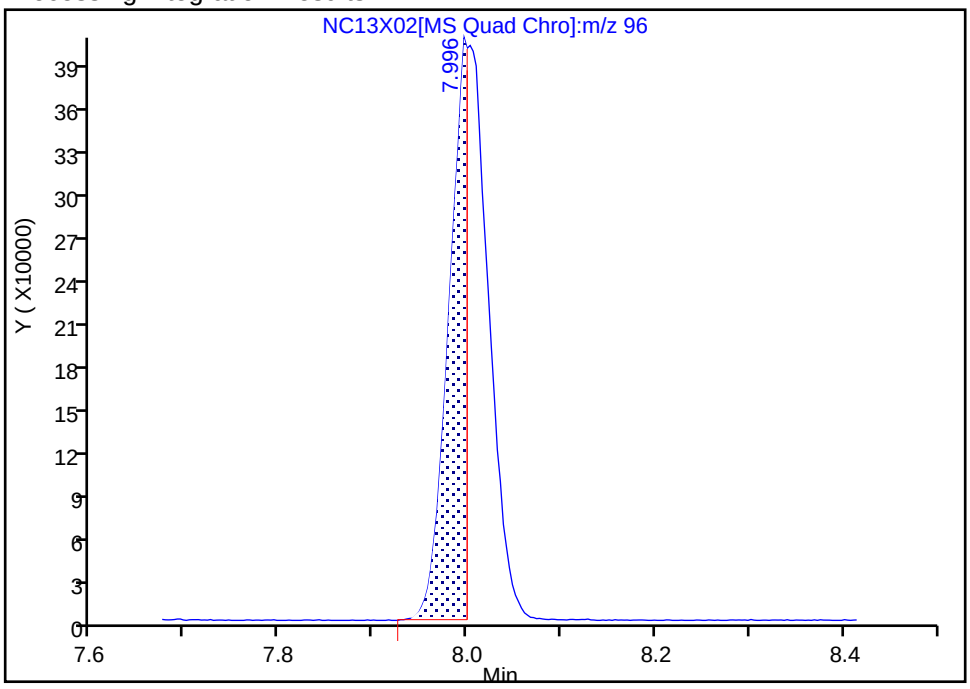
Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X02.D				
Injection Date:	13-Oct-2025 10:52:56	Instrument ID:	7159		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 62 Fluorobenzene (IS), CAS: 462-06-6

Signal: 1

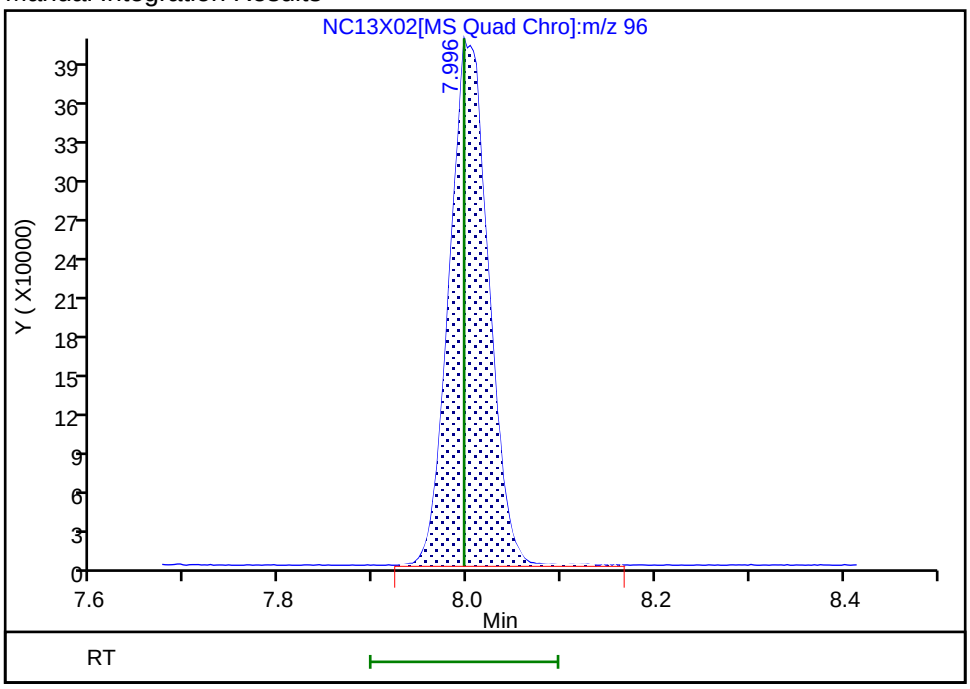
Processing Integration Results

RT: 8.00
Area: 566272
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 8.00
Area: 1168982
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 11:39:16 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

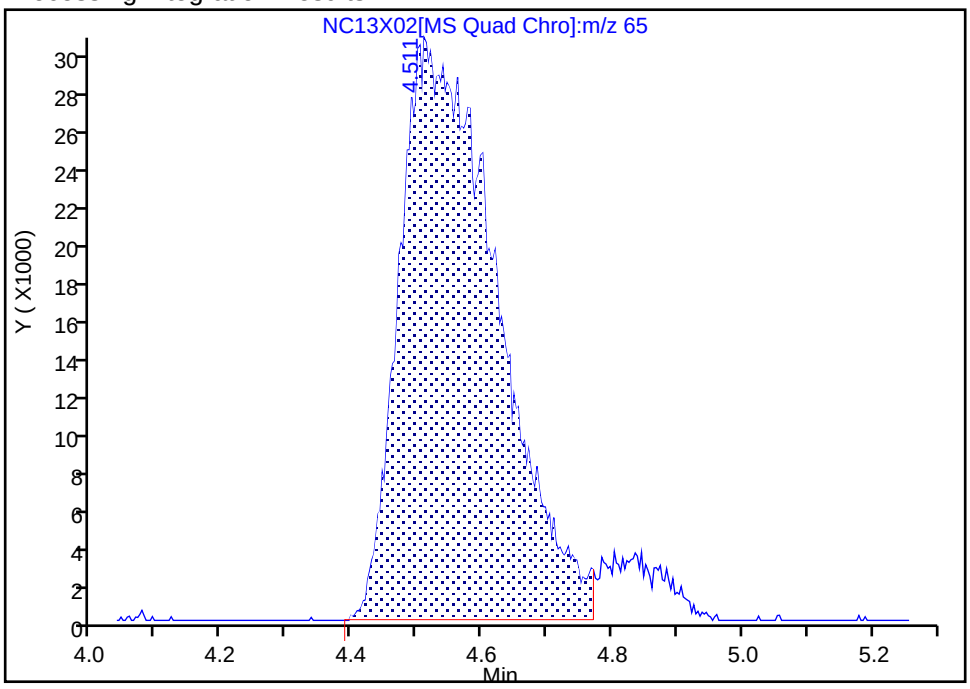
Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X02.D
Injection Date: 13-Oct-2025 10:52:56 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 27 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

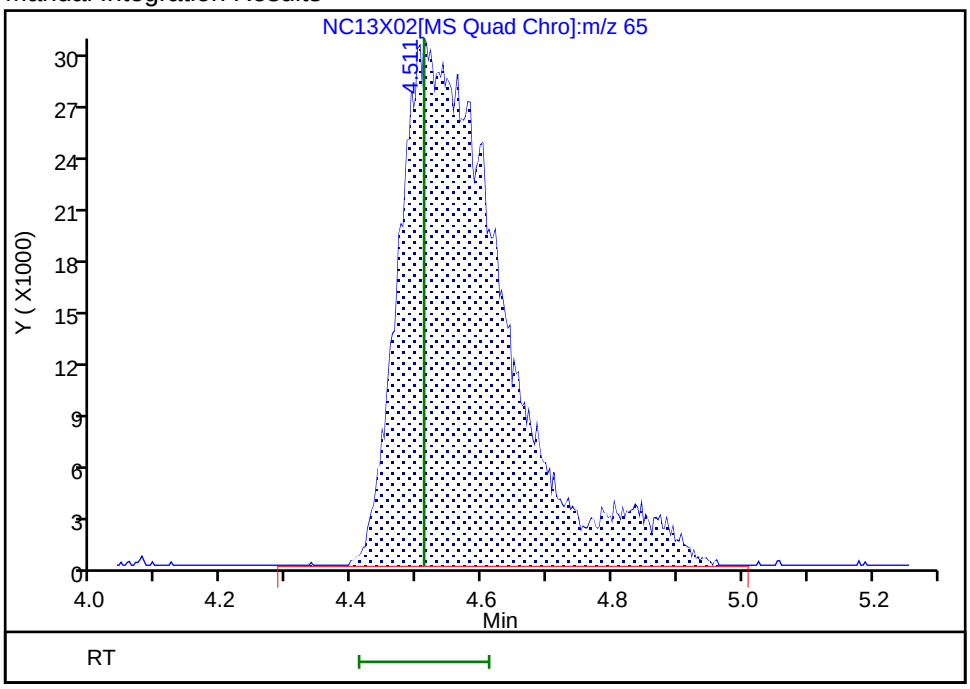
Processing Integration Results

RT: 4.51
Area: 319526
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.51
Area: 342435
Amount: 250.0000
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 11:39:11 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

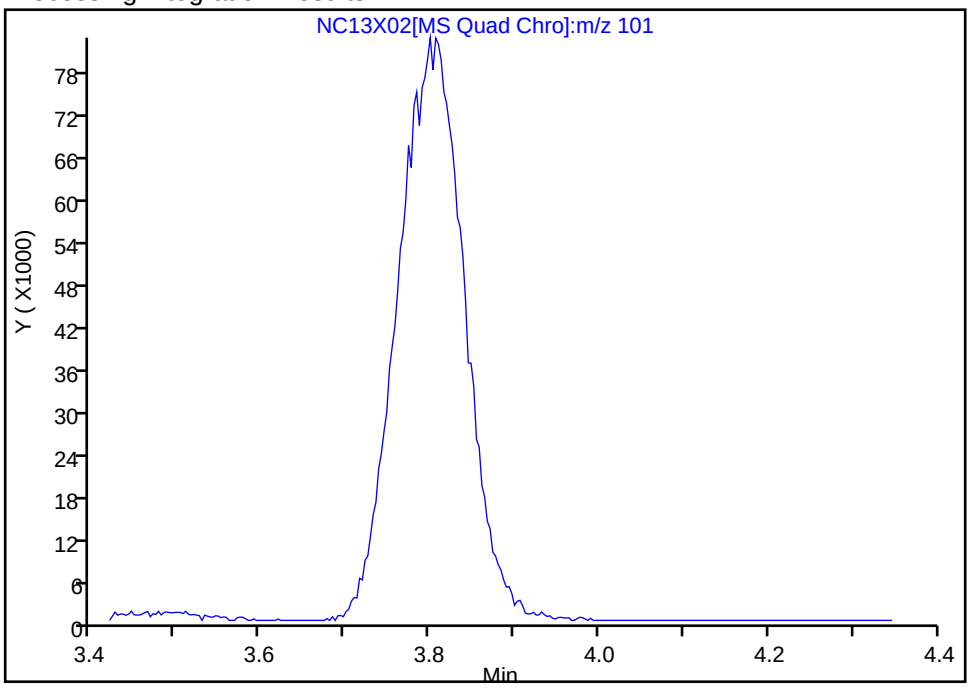
Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X02.D
Injection Date: 13-Oct-2025 10:52:56 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

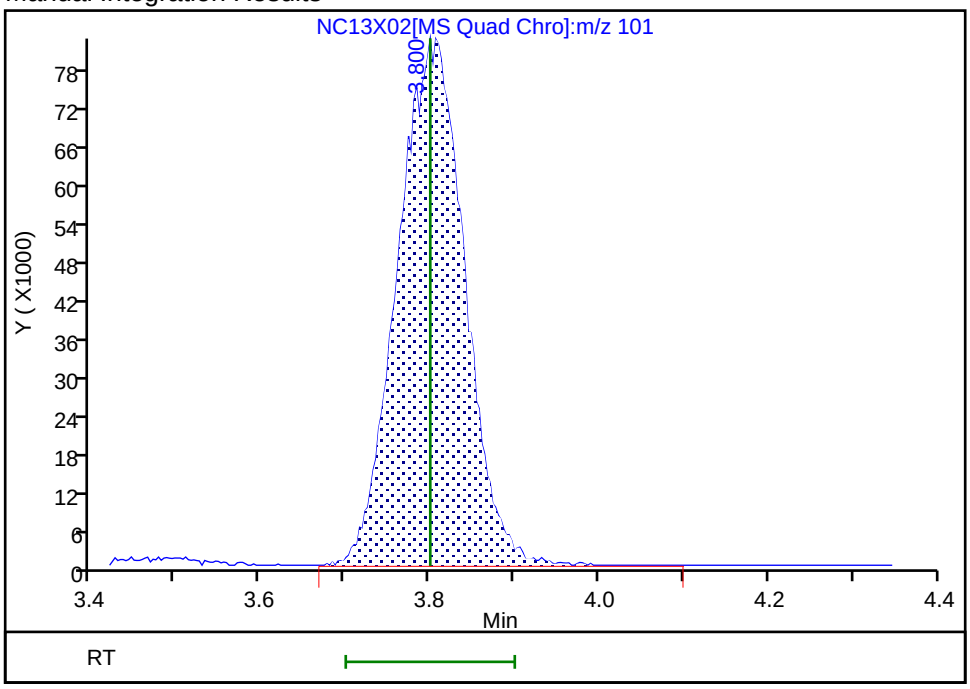
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 454299
Amount: 48.656756
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 11:39:34 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

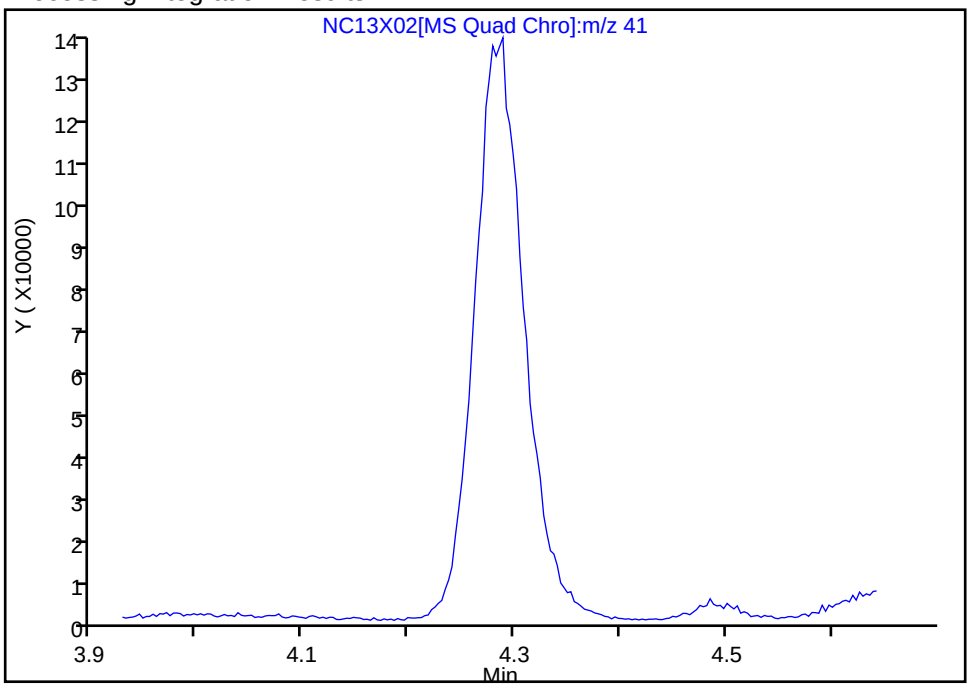
Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X02.D
Injection Date: 13-Oct-2025 10:52:56 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

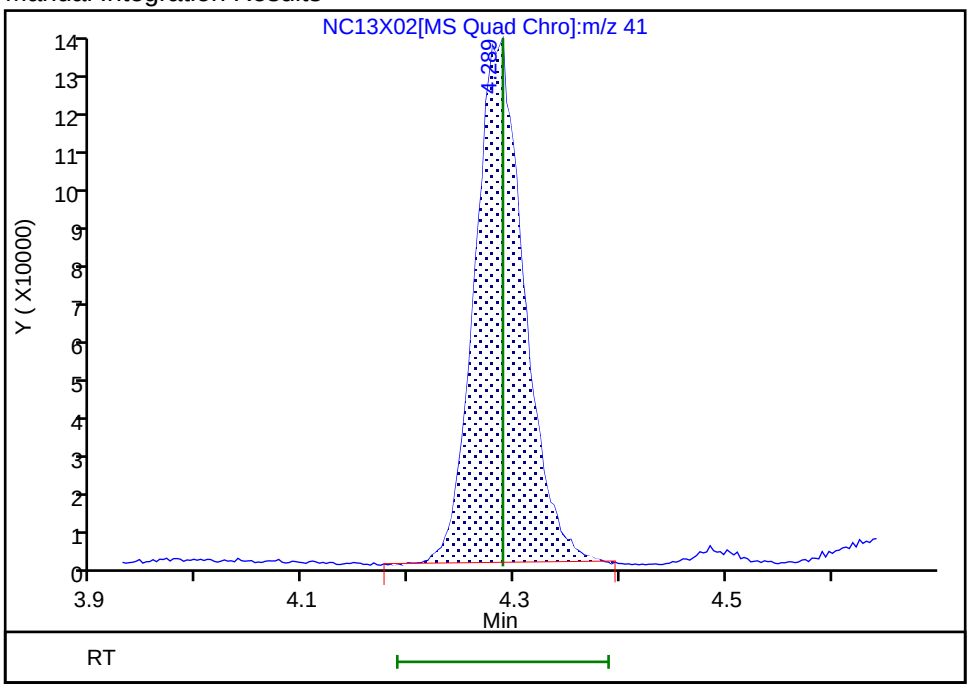
Not Detected
Expected RT: 4.29

Processing Integration Results



Manual Integration Results

RT: 4.29
Area: 430753
Amount: 57.190568
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 11:39:41 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

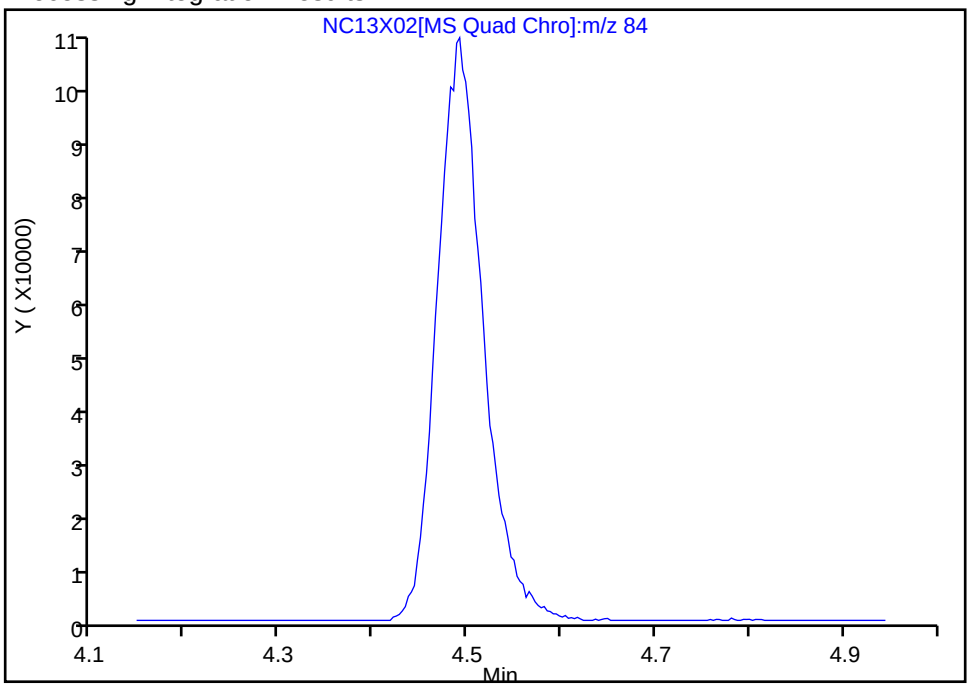
Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X02.D
Injection Date: 13-Oct-2025 10:52:56 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

26 Methylene Chloride, CAS: 75-09-2

Signal: 1

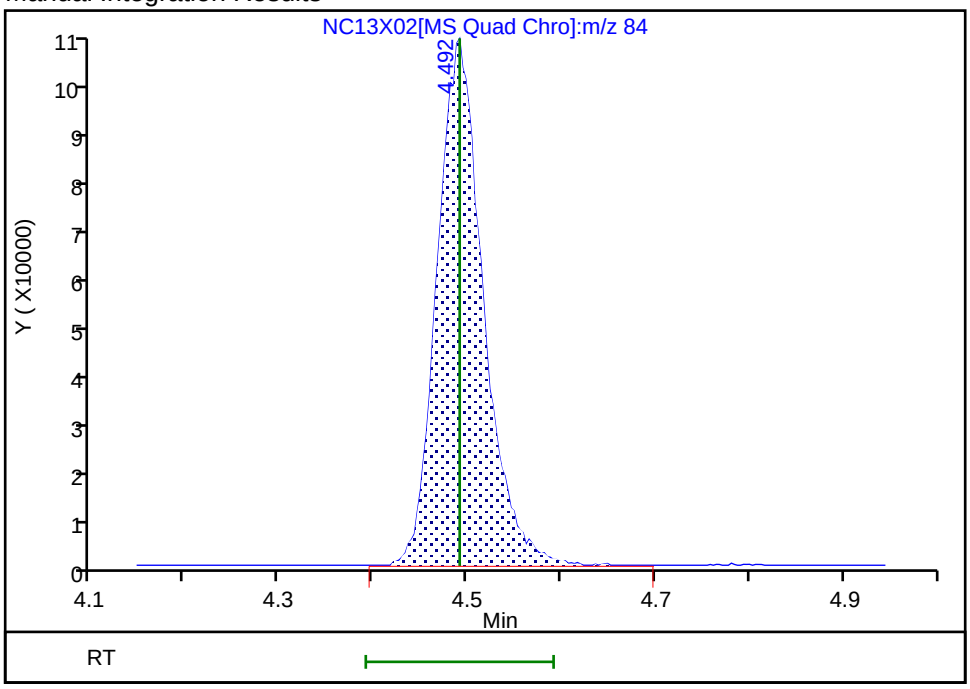
Not Detected
Expected RT: 4.49

Processing Integration Results



Manual Integration Results

RT: 4.49
Area: 363201
Amount: 51.480817
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 11:39:43 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

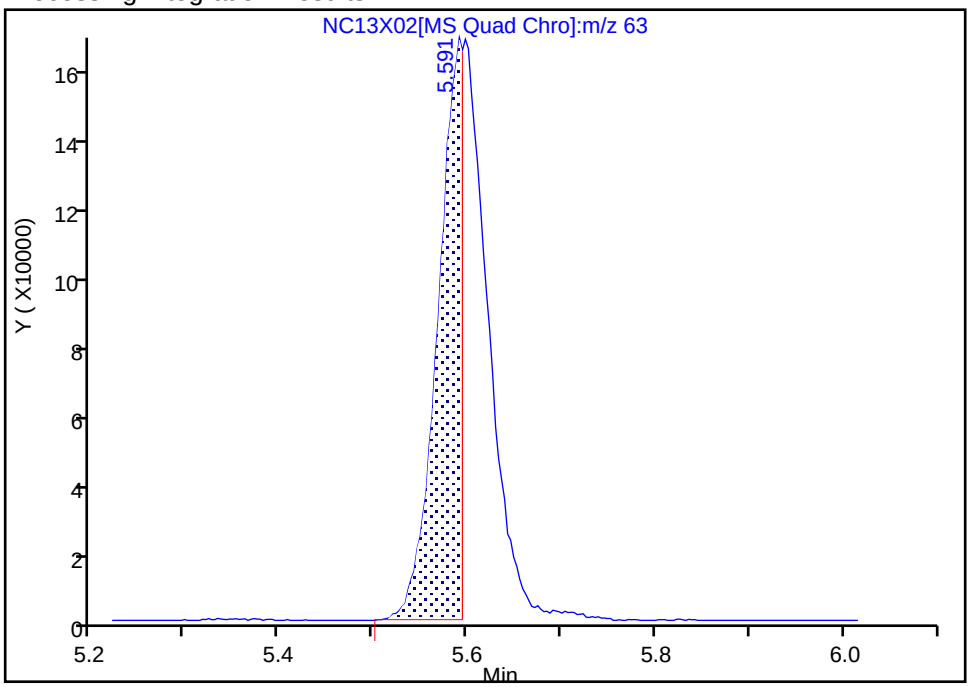
Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X02.D
Injection Date: 13-Oct-2025 10:52:56 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

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

Signal: 1

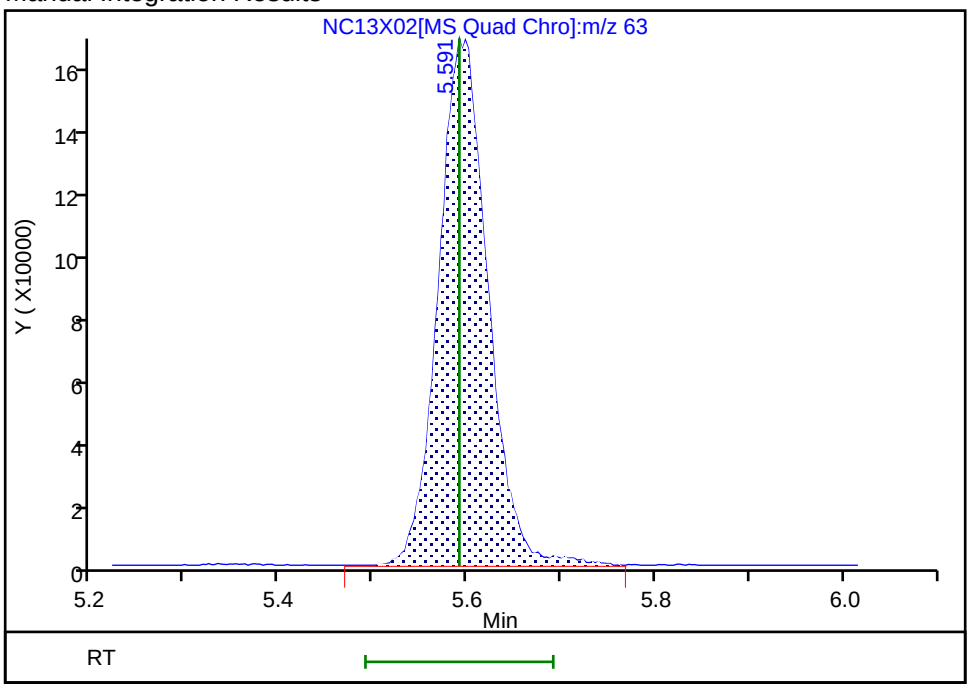
Processing Integration Results

RT: 5.59
Area: 291557
Amount: 26.807132
Amount Units: ug/l



Manual Integration Results

RT: 5.59
Area: 582511
Amount: 53.558821
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 11:39:52 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

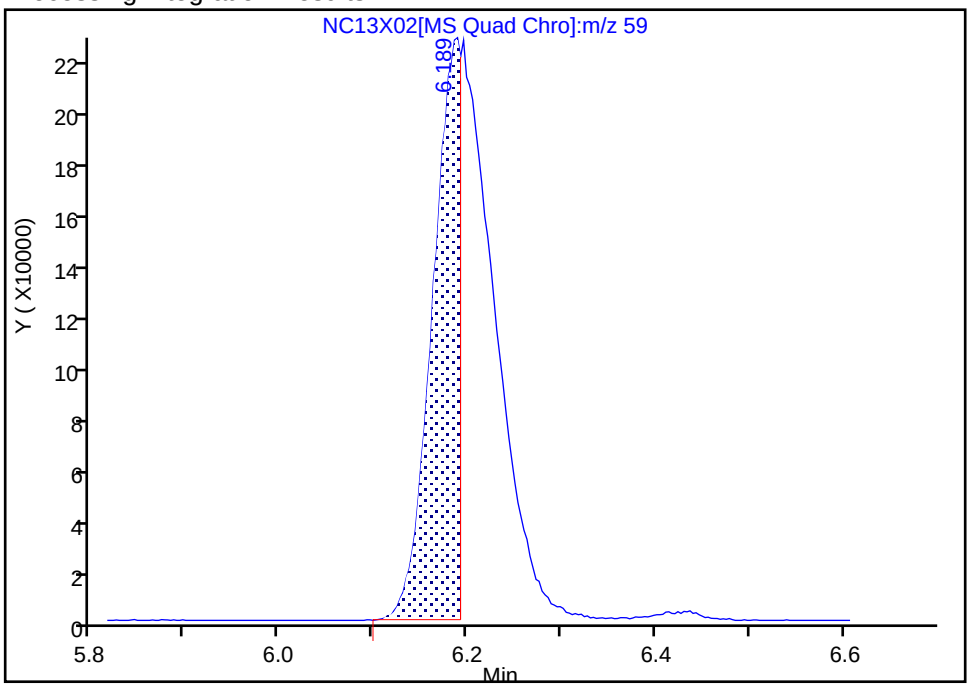
Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X02.D				
Injection Date:	13-Oct-2025 10:52:56	Instrument ID:	7159		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

39 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

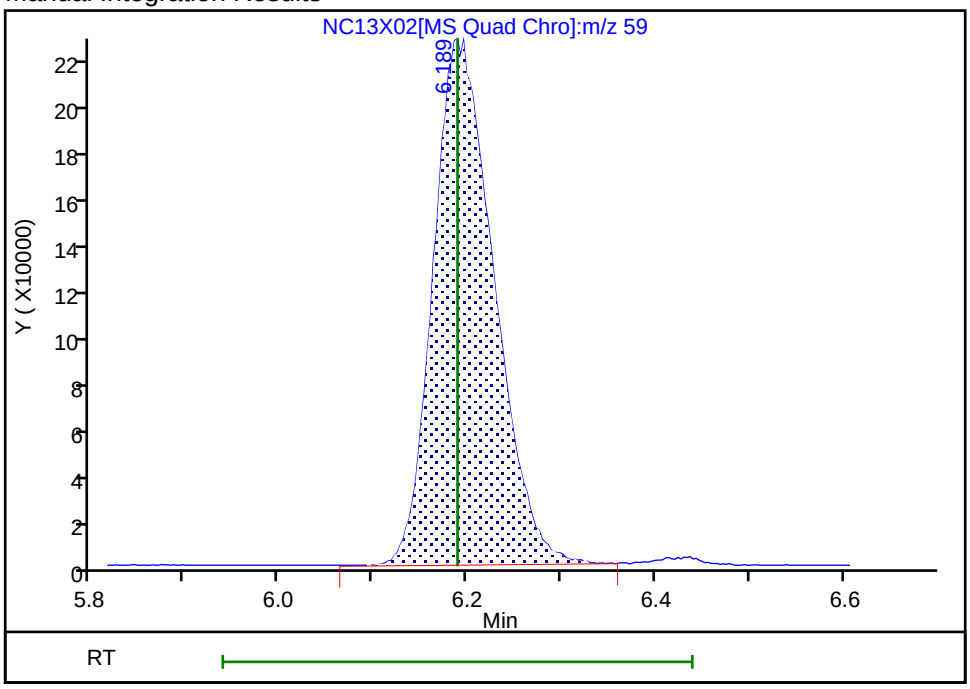
Processing Integration Results

RT: 6.19
Area: 469465
Amount: 24.030423
Amount Units: ug/l



Manual Integration Results

RT: 6.19
Area: 1013564
Amount: 51.881124
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 11:39:55 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

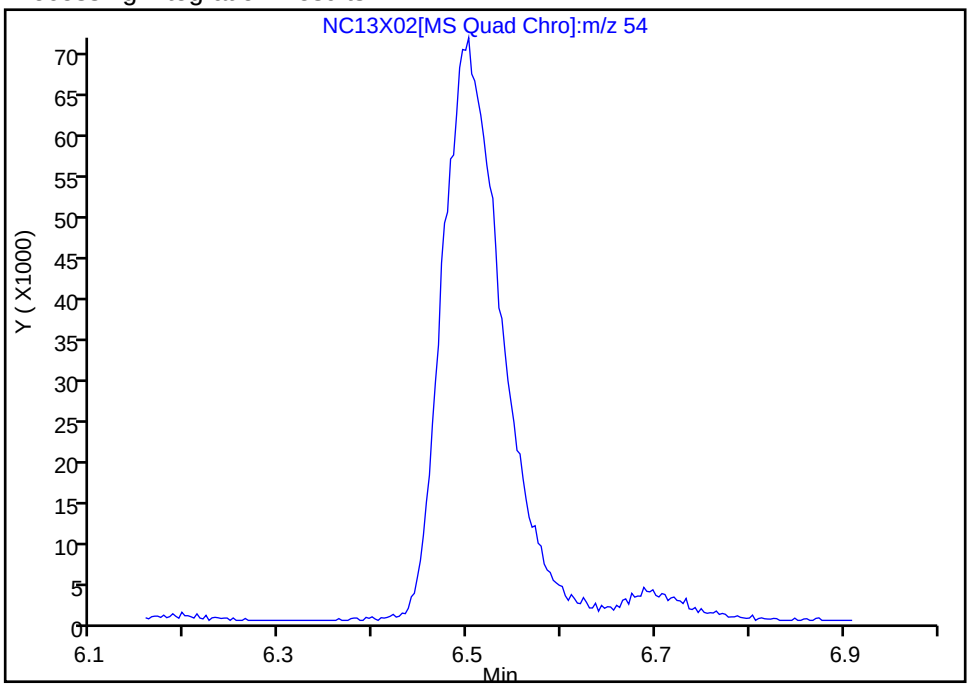
Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X02.D				
Injection Date:	13-Oct-2025 10:52:56	Instrument ID:	7159		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

44 Propionitrile, CAS: 107-12-0

Signal: 1

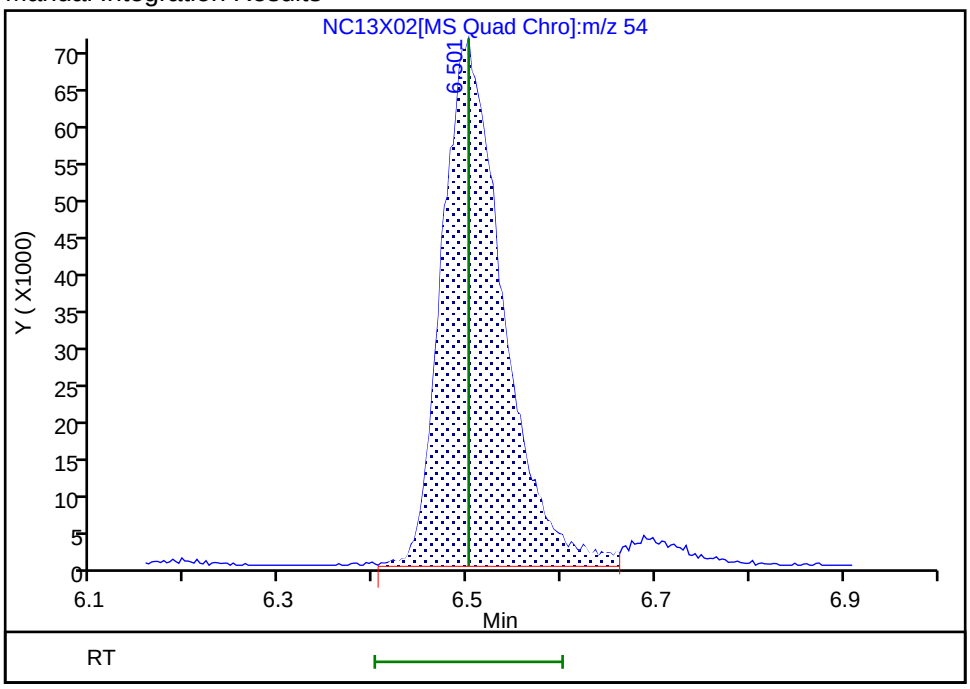
Not Detected
Expected RT: 6.50

Processing Integration Results



Manual Integration Results

RT: 6.50
Area: 320154
Amount: 256.1843
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 11:40:01 -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

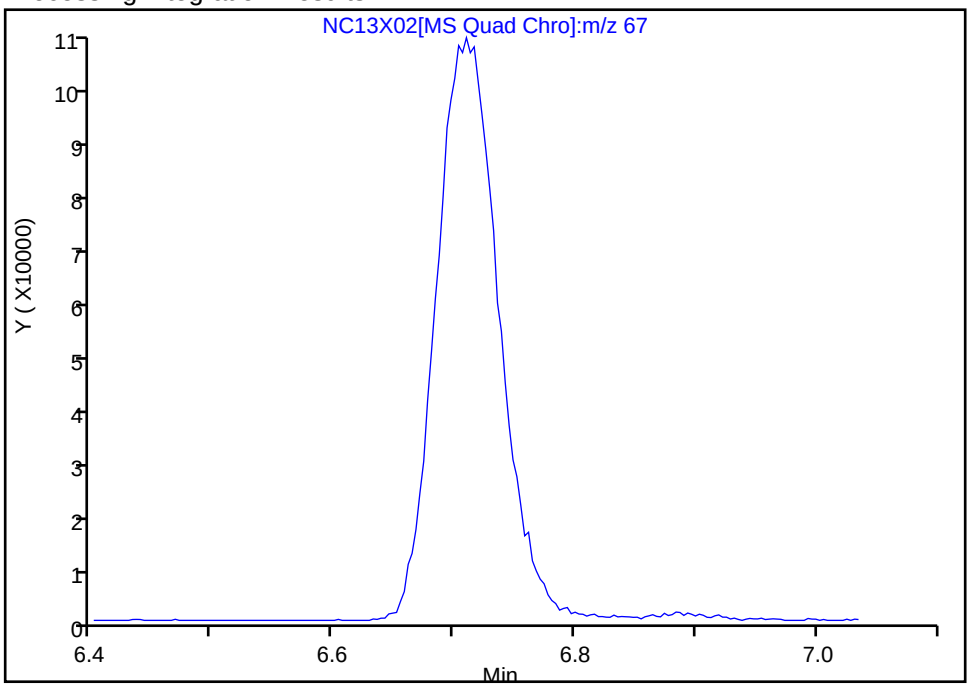
Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X02.D				
Injection Date:	13-Oct-2025 10:52:56	Instrument ID:	7159		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

46 Methacrylonitrile, CAS: 126-98-7

Signal: 1

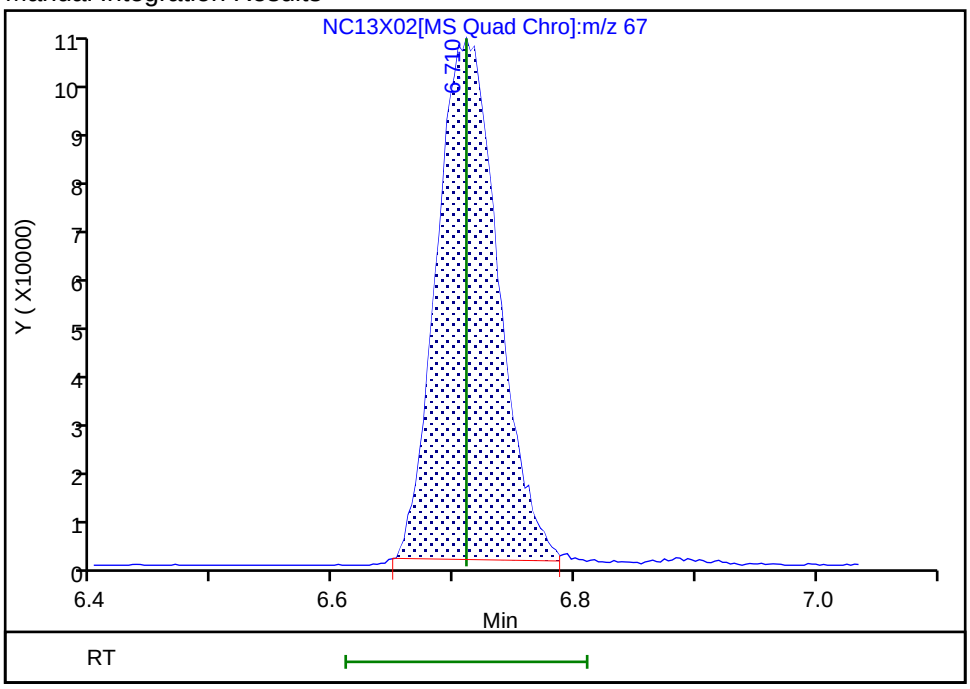
Not Detected
Expected RT: 6.71

Processing Integration Results



Manual Integration Results

RT: 6.71
Area: 369095
Amount: 124.4981
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 11:40:03 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: CCVIS 410-714112/4 Calibration Date: 10/15/2025 12:15

Instrument ID: 7159 Calib Start Date: 09/22/2025 18:51

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 09/22/2025 22:59

Lab File ID: NC15X12.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	0.8281	0.8184	0.1000	49.4	50.0	-1.0	20.0
Chloromethane	Ave	0.5940	0.7633	0.1000	64.3	50.0	29.0*	20.0
1,3-Butadiene	Ave	0.3836	0.4758		62.0	50.0	24.0*	20.0
Vinyl chloride	Ave	0.6001	0.7517	0.1000	62.6	50.0	25.0*	20.0
Bromomethane	Ave	0.4664	0.4844	0.1000	51.9	50.0	4.0	20.0
Chloroethane	Ave	0.2758	0.3176	0.1000	57.6	50.0	15.0	20.0
Dichlorofluoromethane	Ave	0.7864	0.8538		54.3	50.0	9.0	20.0
Trichlorofluoromethane	Ave	0.8027	0.7082	0.1000	44.1	50.0	-12.0	20.0
n-Pentane	Ave	0.3717	0.3425		46.1	50.0	-8.0	20.0
Freon 123a	Ave	0.3586	0.3933		54.8	50.0	10.0	20.0
Acrolein	Ave	1.139	1.095		469	488	-4.0	20.0
1,1-Dichloroethene	Ave	0.2761	0.2170	0.1000	39.3	50.0	-21.0*	20.0
Acetone	Ave	0.5758	0.5219	0.1000	90.6	100	-9.0	20.0
Freon 113	Ave	0.3994	0.2944	0.1000	36.9	50.0	-26.0*	20.0
Methyl iodide	Ave	0.6594	0.4404		33.4	50.0	-33.0*	20.0
2-Propanol	Ave	0.7226	0.4409		153	250	-39.0*	20.0
Carbon disulfide	Ave	0.9226	0.8464	0.1000	45.9	50.0	-8.0	20.0
Methyl acetate	Ave	0.2081	0.2007	0.1000	48.2	50.0	-4.0	20.0
Allyl chloride	Ave	0.3222	0.3023		46.9	50.0	-6.0	20.0
Methylene Chloride	Ave	0.3018	0.2631	0.1000	43.6	50.0	-13.0	20.0
t-Butyl alcohol	Ave	1.056	0.9457		224	250	-10.0	20.0
Acrylonitrile	Ave	0.1163	0.1149		123	125	-1.0	20.0
trans-1,2-Dichloroethene	Ave	0.3079	0.2494	0.1000	40.5	50.0	-19.0	20.0
Methyl tert-butyl ether	Ave	0.9435	0.8566	0.1000	45.4	50.0	-9.0	20.0
n-Hexane	Ave	0.3476	0.3575		51.4	50.0	3.0	20.0
1,1-Dichloroethane	Ave	0.4652	0.4158	0.2000	44.7	50.0	-11.0	20.0
Isopropyl ether	Ave	0.7511	0.7655		51.0	50.0	2.0	20.0
2-Chloro-1,3-butadiene	Ave	0.3894	0.3343		42.9	50.0	-14.0	20.0
Ethyl t-butyl ether	Ave	0.8356	0.7977		47.7	50.0	-5.0	20.0
2-Butanone (MEK)	Ave	0.1493	0.1425	0.1000	95.4	100	-5.0	20.0
cis-1,2-Dichloroethene	Ave	0.3535	0.2838	0.1000	40.1	50.0	-20.0	20.0
2,2-Dichloropropane	Ave	0.5222	0.4312		41.3	50.0	-17.0	20.0
Propionitrile	Ave	0.9124	0.8710		239	250	-5.0	20.0
Methacrylonitrile	Ave	0.1268	0.1211		119	125	-4.0	20.0
Bromochloromethane	Ave	0.1928	0.1413		36.7	50.0	-27.0*	20.0
Tetrahydrofuran	Ave	0.8468	0.7872		232	250	-7.0	20.0
Chloroform	Ave	0.5770	0.4471	0.2000	38.7	50.0	-23.0*	20.0
1,1,1-Trichloroethane	Ave	0.5912	0.4342	0.1000	36.7	50.0	-27.0*	20.0
Isobutyl alcohol	Ave	0.2916	0.3231		693	625	11.0	20.0
Cyclohexane	Ave	0.5041	0.4729	0.1000	46.9	50.0	-6.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: CCVIS 410-714112/4 Calibration Date: 10/15/2025 12:15

Instrument ID: 7159 Calib Start Date: 09/22/2025 18:51

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 09/22/2025 22:59

Lab File ID: NC15X12.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	0.5535	0.3740	0.1000	33.8	50.0	-32.0*	20.0
1,1-Dichloropropene	Ave	0.3827	0.3230		42.2	50.0	-16.0	20.0
Benzene	Ave	1.137	1.020	0.5000	44.8	50.0	-10.0	20.0
1,2-Dichloroethane	Ave	0.3698	0.2985	0.1000	40.4	50.0	-19.0	20.0
t-Amyl methyl ether	Ave	0.8448	0.7761		45.9	50.0	-8.0	20.0
n-Heptane	Ave	0.2923	0.3112		53.2	50.0	6.0	20.0
n-Butanol	Ave	0.2228	0.2097		588	625	-6.0	20.0
Trichloroethene	Ave	0.3361	0.2565	0.2000	38.2	50.0	-24.0*	20.0
Methylcyclohexane	Ave	0.6043	0.5357	0.1000	44.3	50.0	-11.0	20.0
t-Amyl ethyl ether	Ave	0.4562	0.3995		43.8	50.0	-12.0	20.0
1,2-Dichloropropane	Ave	0.2682	0.2561	0.1000	47.7	50.0	-5.0	20.0
Methyl methacrylate	Ave	0.2089	0.1863		44.6	50.0	-11.0	20.0
1,4-Dioxane	Ave	0.0770	0.0663	0.0050	538	625	-14.0	20.0
Dibromomethane	Ave	0.1990	0.1620		40.7	50.0	-19.0	20.0
Bromodichloromethane	Ave	0.3971	0.3259	0.2000	41.0	50.0	-18.0	20.0
2-Nitropropane	Ave	1.455	1.235		212	250	-15.0	20.0
2-Chloroethyl vinyl ether	Ave	0.1710	0.1704		49.8	50.0	0.0	20.0
cis-1,3-Dichloropropene	Ave	0.4235	0.3668	0.2000	43.3	50.0	-13.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3355	0.3352	0.1000	99.9	100	0.0	20.0
Toluene	Ave	0.9496	0.8906	0.4000	46.9	50.0	-6.0	20.0
trans-1,3-Dichloropropene	Ave	0.4794	0.4637	0.1000	48.4	50.0	-3.0	20.0
Ethyl methacrylate	Ave	0.4517	0.5009		55.4	50.0	11.0	20.0
1,1,2-Trichloroethane	Ave	0.3346	0.3137	0.1000	46.9	50.0	-6.0	20.0
Tetrachloroethene	Ave	0.5332	0.3841	0.2000	36.0	50.0	-28.0*	20.0
1,3-Dichloropropane	Ave	0.5015	0.5076		50.6	50.0	1.0	20.0
2-Hexanone	Ave	0.2815	0.3072	0.1000	109	100	9.0	20.0
Dibromochloromethane	Ave	0.4355	0.3713		42.6	50.0	-15.0	20.0
1,2-Dibromoethane (EDB)	Ave	0.3600	0.3164	0.1000	44.0	50.0	-12.0	20.0
1-Chlorohexane	Ave	0.5387	0.5188		48.2	50.0	-4.0	20.0
Chlorobenzene	Ave	1.126	0.9500	0.5000	42.2	50.0	-16.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4974	0.4324		43.5	50.0	-13.0	20.0
Ethylbenzene	Ave	1.884	1.805	0.1000	47.9	50.0	-4.0	20.0
m&p-Xylene	Ave	0.7479	0.6897	0.1000	92.2	100	-8.0	20.0
o-Xylene	Ave	0.7798	0.7308	0.3000	46.9	50.0	-6.0	20.0
Styrene	Ave	1.186	1.049	0.3000	44.2	50.0	-12.0	20.0
Bromoform	Ave	0.3248	0.2537	0.1000	39.1	50.0	-22.0*	20.0
Isopropylbenzene	Ave	2.154	2.127	0.1000	49.4	50.0	-1.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8783	1.091	0.3000	62.1	50.0	24.0*	20.0
Bromobenzene	Ave	0.9202	0.7778		42.3	50.0	-15.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2197	0.2218		126	125	1.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: CCVIS 410-714112/4 Calibration Date: 10/15/2025 12:15

Instrument ID: 7159 Calib Start Date: 09/22/2025 18:51

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 09/22/2025 22:59

Lab File ID: NC15X12.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
1,2,3-Trichloropropane	Ave	0.3000	0.3141		52.3	50.0	5.0	20.0
N-Propylbenzene	Ave	3.866	4.582		59.3	50.0	19.0	20.0
2-Chlorotoluene	Ave	0.8804	0.8803		50.0	50.0	0.0	20.0
1,3,5-Trimethylbenzene	Ave	3.048	3.432		56.3	50.0	13.0	20.0
4-Chlorotoluene	Ave	0.8437	0.7978		47.3	50.0	-5.0	20.0
tert-Butylbenzene	Ave	0.6759	0.6879		50.9	50.0	2.0	20.0
1,2,4-Trimethylbenzene	Ave	3.108	3.477		55.9	50.0	12.0	20.0
sec-Butylbenzene	Ave	3.856	4.608		59.7	50.0	19.0	20.0
1,3-Dichlorobenzene	Ave	1.727	1.562	0.6000	45.2	50.0	-10.0	20.0
p-Isopropyltoluene	Ave	3.472	3.821		55.0	50.0	10.0	20.0
1,4-Dichlorobenzene	Ave	1.722	1.513	0.5000	43.9	50.0	-12.0	20.0
1,2,3-Trimethylbenzene	Ave	3.155	3.513		55.7	50.0	11.0	20.0
Benzyl chloride	Ave	1.564	1.972		63.1	50.0	26.0*	20.0
1,3-Diethylbenzene	Ave	1.907	2.068		54.2	50.0	8.0	20.0
1,4-Diethylbenzene	Ave	1.997	2.171		54.4	50.0	9.0	20.0
n-Butylbenzene	Ave	1.487	1.808		60.8	50.0	22.0*	20.0
1,2-Dichlorobenzene	Ave	1.719	1.570	0.4000	45.7	50.0	-9.0	20.0
1,2-Diethylbenzene	Ave	1.709	1.825		53.4	50.0	7.0	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2363	0.2465	0.0500	52.2	50.0	4.0	20.0
1,3,5-Trichlorobenzene	Ave	1.419	1.226		43.2	50.0	-14.0	20.0
1,2,4-Trichlorobenzene	Ave	1.320	1.138	0.2000	43.1	50.0	-14.0	20.0
Hexachlorobutadiene	Ave	0.5471	0.4536		41.5	50.0	-17.0	20.0
Naphthalene	Ave	3.922	4.012		51.1	50.0	2.0	20.0
1,2,3-Trichlorobenzene	Ave	1.352	1.142		42.2	50.0	-16.0	20.0
2-Methylnaphthalene	Ave	2.297	2.224		48.4	50.0	-3.0	20.0
Dibromofluoromethane (Surr)	Ave	0.2842	0.2521		44.3	50.0	-11.0	
1,2-Dichloroethane-d4 (Surr)	Ave	0.0641	0.0613		47.9	50.0	-4.0	
Toluene-d8 (Surr)	Ave	1.228	1.362		55.4	50.0	11.0	
4-Bromofluorobenzene (Surr)	Ave	0.4638	0.4738		51.1	50.0	2.0	

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X12.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 15-Oct-2025 12:15:52 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163218-004
Operator ID: clm27445 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub21

Method: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 16-Oct-2025 09:35:03 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1603

First Level Reviewer: D9QF Date: 16-Oct-2025 09:23:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.038	2.038	0.000	99	1326205	50.0	49.4	
4 Chloromethane	50	2.238	2.238	0.000	99	1236948	50.0	64.3	
5 Butadiene	39	2.350	2.350	0.000	89	771069	50.0	62.0	
6 Vinyl chloride	62	2.370	2.370	0.000	98	1218200	50.0	62.6	
8 Bromomethane	94	2.717	2.717	0.000	91	784978	50.0	51.9	
9 Chloroethane	64	2.810	2.810	0.000	99	514655	50.0	57.6	
10 Dichlorofluoromethane	67	3.077	3.077	0.000	97	1383596	50.0	54.3	
11 Trichlorofluoromethane	101	3.141	3.141	0.000	95	1147751	50.0	44.1	
12 Pentane	43	3.183	3.183	0.000	97	555001	50.0	46.1	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.524	3.524	0.000	92	637376	50.0	54.8	
16 Acrolein	56	3.607	3.607	0.000	100	1017046	487.9	469.3	
17 1,1-Dichloroethene	96	3.746	3.746	0.000	96	351606	50.0	39.3	
19 Acetone	58	3.797	3.797	0.000	98	99319	100.0	90.6	
18 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.797	3.797	0.000	92	477167	50.0	36.9	
20 Iodomethane	142	3.961	3.961	0.000	98	713662	50.0	33.4	
21 Isopropyl alcohol	45	3.977	3.977	0.000	94	209747	250.0	152.5	
22 Carbon disulfide	76	4.067	4.067	0.000	98	1371676	50.0	45.9	
24 Methyl acetate	43	4.263	4.263	0.000	97	325267	50.0	48.2	
25 3-Chloro-1-propene	41	4.279	4.279	0.000	91	489839	50.0	46.9	
26 Methylene Chloride	84	4.485	4.485	0.000	90	426354	50.0	43.6	a
* 27 t-Butyl alcohol-d10 (IS)	65	4.514	4.514	0.000	91	475744	250.0	250.0	
28 2-Methyl-2-propanol	59	4.649	4.649	0.000	99	449926	250.0	223.9	
29 Acrylonitrile	53	4.855	4.855	0.000	99	465375	125.0	123.4	
31 trans-1,2-Dichloroethene	96	4.910	4.910	0.000	96	404236	50.0	40.5	
32 Methyl tert-butyl ether	73	4.916	4.916	0.000	88	1388169	50.0	45.4	
33 Hexane	57	5.344	5.344	0.000	91	579305	50.0	51.4	
35 1,1-Dichloroethane	63	5.585	5.585	0.000	95	673744	50.0	44.7	
36 Isopropyl ether	45	5.652	5.652	0.000	95	1240580	50.0	51.0	M
37 2-Chloro-1,3-butadiene	53	5.697	5.697	0.000	90	541703	50.0	42.9	
39 Tert-butyl ethyl ether	59	6.183	6.183	0.000	98	1292734	50.0	47.7	
40 2-Butanone (MEK)	43	6.392	6.392	0.000	99	461700	100.0	95.4	

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	6.418	6.418	0.000	80	459950	50.0	40.1	
43 2,2-Dichloropropane	77	6.434	6.434	0.000	84	698829	50.0	41.3	
44 Propionitrile	54	6.501	6.501	0.000	99	414369	250.0	238.7	
46 Methacrylonitrile	67	6.704	6.704	0.000	84	490723	125.0	119.4	a
47 Chlorobromomethane	128	6.752	6.752	0.000	94	229018	50.0	36.7	
48 Tetrahydrofuran	71	6.758	6.758	0.000	88	374490	250.0	232.4	
49 Chloroform	83	6.897	6.897	0.000	93	724594	50.0	38.7	
$ 50 Dibromofluoromethane (Surr)	113	7.119	7.119	0.000	93	408468	50.0	44.3	
51 1,1,1-Trichloroethane	97	7.128	7.128	0.000	97	703670	50.0	36.7	
55 Isobutyl alcohol	41	7.215	7.215	0.000	51	384338	625.0	692.7	
52 Cyclohexane	56	7.218	7.218	0.000	90	766278	50.0	46.9	
53 Carbon tetrachloride	117	7.324	7.324	0.000	93	606143	50.0	33.8	a
54 1,1-Dichloropropene	75	7.337	7.337	0.000	96	523393	50.0	42.2	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.575	7.575	0.000	96	99363	50.0	47.9	
57 Benzene	78	7.601	7.601	0.000	95	1652334	50.0	44.8	
59 1,2-Dichloroethane	62	7.668	7.668	0.000	97	483779	50.0	40.4	
60 Tert-amyl methyl ether	73	7.784	7.784	0.000	99	1257652	50.0	45.9	
* 62 Fluorobenzene (IS)	96	7.996	7.996	0.000	99	1620547	50.0	50.0	
63 n-Heptane	43	8.003	8.003	0.000	86	504317	50.0	53.2	
64 n-Butanol	56	8.353	8.353	0.000	87	249352	625.0	588.0	
65 Trichloroethene	95	8.463	8.463	0.000	99	415742	50.0	38.2	
67 Methylcyclohexane	83	8.768	8.768	0.000	92	868125	50.0	44.3	
68 2-ethoxy-2-methyl butane	87	8.797	8.797	0.000	92	647400	50.0	43.8	
69 1,2-Dichloropropane	63	8.800	8.800	0.000	71	414964	50.0	47.7	M
70 Methyl methacrylate	69	8.881	8.881	0.000	88	301942	50.0	44.6	
71 1,4-Dioxane	88	8.897	8.897	0.000	60	78849	625.0	537.8	M
72 Dibromomethane	93	8.906	8.906	0.000	97	262454	50.0	40.7	
74 Dichlorobromomethane	83	9.138	9.138	0.000	99	528102	50.0	41.0	
75 2-Nitropropane	41	9.408	9.408	0.000	98	587335	250.0	212.1	
76 2-Chloroethyl vinyl ether	63	9.485	9.485	0.000	91	276172	50.0	49.8	
77 cis-1,3-Dichloropropene	75	9.659	9.659	0.000	97	594386	50.0	43.3	
78 4-Methyl-2-pentanone (MIBK)	43	9.826	9.826	0.000	95	1086402	100.0	99.9	
$ 79 Toluene-d8 (Surr)	98	9.951	9.951	0.000	93	1515581	50.0	55.4	
118 Toluene	92	10.022	10.022	0.000	98	990925	50.0	46.9	
120 trans-1,3-Dichloropropene	75	10.266	10.266	0.000	91	515946	50.0	48.4	
121 Ethyl methacrylate	69	10.321	10.321	0.000	87	557378	50.0	55.4	
122 1,1,2-Trichloroethane	97	10.463	10.463	0.000	89	349053	50.0	46.9	
123 Tetrachloroethene	166	10.543	10.543	0.000	97	427390	50.0	36.0	
124 1,3-Dichloropropane	76	10.623	10.623	0.000	87	564782	50.0	50.6	
126 2-Hexanone	43	10.672	10.672	0.000	95	683559	100.0	109.1	
128 Chlorodibromomethane	129	10.826	10.826	0.000	89	413151	50.0	42.6	
129 Ethylene Dibromide	107	10.938	10.938	0.000	98	352093	50.0	44.0	
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.353	0.000	85	1112658	50.0	50.0	
132 1-Chlorohexane	91	11.356	11.356	0.000	94	577295	50.0	48.2	
133 Chlorobenzene	112	11.382	11.382	0.000	95	1057059	50.0	42.2	
134 1,1,1,2-Tetrachloroethane	131	11.456	11.456	0.000	95	481135	50.0	43.5	
135 Ethylbenzene	91	11.459	11.459	0.000	98	2008310	50.0	47.9	
136 m-Xylene & p-Xylene	106	11.575	11.575	0.000	100	1534860	100.0	92.2	
138 o-Xylene	106	11.893	11.893	0.000	97	813082	50.0	46.9	
139 Styrene	104	11.909	11.909	0.000	94	1166870	50.0	44.2	
140 Bromoform	173	12.064	12.064	0.000	96	282248	50.0	39.1	
141 Isopropylbenzene	105	12.186	12.186	0.000	95	2366153	50.0	49.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 144 4-Bromofluorobenzene (Surr)	95	12.327	12.327	0.000	89	527127	50.0	51.1	
145 1,1,2,2-Tetrachloroethane	83	12.427	12.427	0.000	94	621543	50.0	62.1	
146 Bromobenzene	156	12.446	12.446	0.000	95	443125	50.0	42.3	
147 trans-1,4-Dichloro-2-butene	53	12.453	12.453	0.000	88	315858	125.0	126.1	
148 1,2,3-Trichloropropane	110	12.472	12.472	0.000	83	178925	50.0	52.3	
149 N-Propylbenzene	91	12.511	12.511	0.000	99	2610662	50.0	59.3	
150 2-Chlorotoluene	126	12.588	12.588	0.000	96	501499	50.0	50.0	
151 1,3,5-Trimethylbenzene	105	12.643	12.643	0.000	95	1955120	50.0	56.3	
152 4-Chlorotoluene	126	12.678	12.678	0.000	98	454514	50.0	47.3	
154 tert-Butylbenzene	134	12.881	12.881	0.000	93	391902	50.0	50.9	
155 1,2,4-Trimethylbenzene	105	12.922	12.922	0.000	97	1980855	50.0	55.9	
157 sec-Butylbenzene	105	13.041	13.041	0.000	94	2625304	50.0	59.7	
158 1,3-Dichlorobenzene	146	13.141	13.141	0.000	98	889908	50.0	45.2	
159 4-Isopropyltoluene	119	13.147	13.147	0.000	97	2177059	50.0	55.0	
* 160 1,4-Dichlorobenzene-d4	152	13.196	13.196	0.000	94	569712	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.215	13.215	0.000	94	861693	50.0	43.9	
162 1,2,3-Trimethylbenzene	105	13.221	13.221	0.000	99	2001441	50.0	55.7	
163 Benzyl chloride	91	13.292	13.292	0.000	98	1123349	50.0	63.1	
164 1,3-Diethylbenzene	119	13.344	13.344	0.000	95	1177910	50.0	54.2	
165 p-Diethylbenzene	119	13.414	13.414	0.000	93	1236993	50.0	54.4	
166 n-Butylbenzene	92	13.434	13.434	0.000	97	1030281	50.0	60.8	
167 1,2-Dichlorobenzene	146	13.472	13.472	0.000	98	894680	50.0	45.7	
168 o-diethylbenzene	119	13.488	13.488	0.000	96	1039715	50.0	53.4	
170 1,2-Dibromo-3-Chloropropane	75	14.006	14.006	0.000	88	140441	50.0	52.2	
171 1,3,5-Trichlorobenzene	180	14.128	14.128	0.000	97	698749	50.0	43.2	
172 1,2,4-Trichlorobenzene	180	14.552	14.552	0.000	95	648070	50.0	43.1	
174 Hexachlorobutadiene	225	14.630	14.630	0.000	98	258431	50.0	41.5	
175 Naphthalene	128	14.736	14.736	0.000	97	2285574	50.0	51.1	
176 1,2,3-Trichlorobenzene	180	14.880	14.880	0.000	95	650811	50.0	42.2	
177 2-Methylnaphthalene	142	15.524	15.524	0.000	92	1267176	50.0	48.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00257	Amount Added:	5.00	Units: uL	
MSV_CCV_2CEVE_00250	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#3_00259	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_01120	Amount Added:	2.50	Units: uL	
MSV_Cent_ISSS_00045	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 16-Oct-2025 09:35:03 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X12.D

Injection Date: 15-Oct-2025 12:15:52 Instrument ID: 7159 Operator ID: clm27445

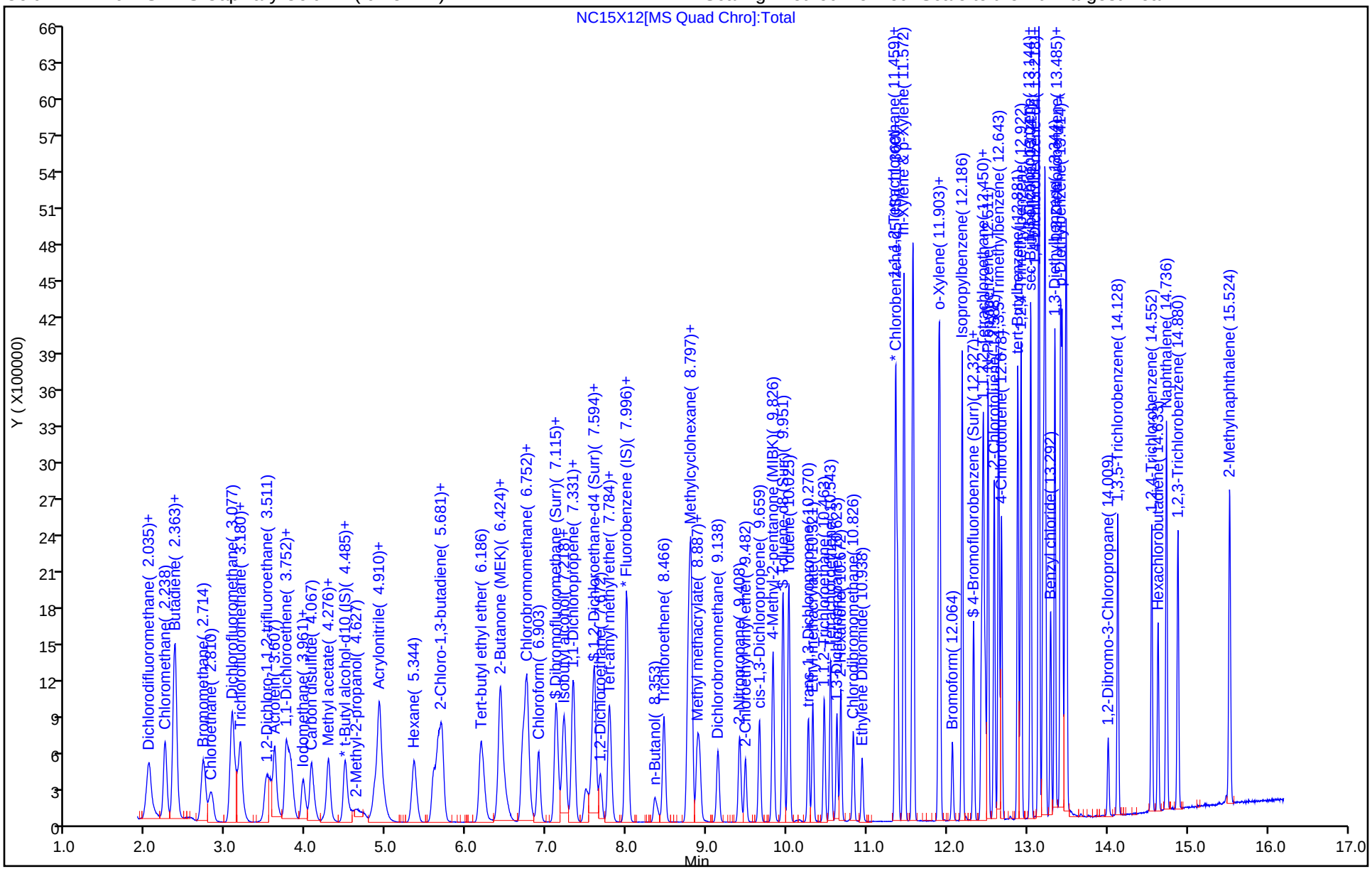
Lims ID: CCVIS Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

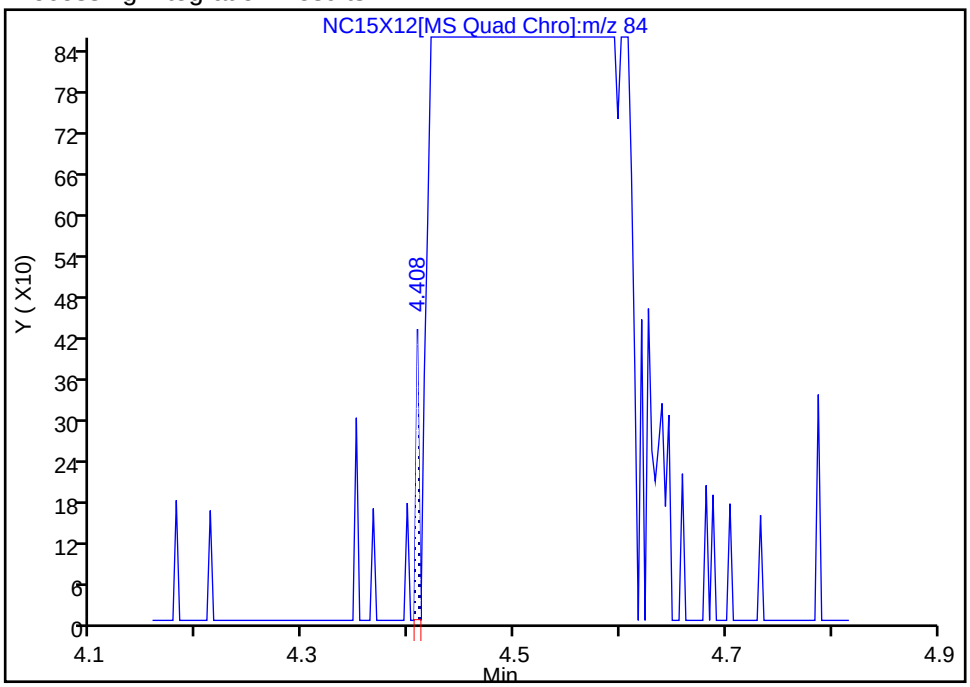
Data File: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X12.D
Injection Date: 15-Oct-2025 12:15:52 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: clm27445 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

26 Methylene Chloride, CAS: 75-09-2

Signal: 1

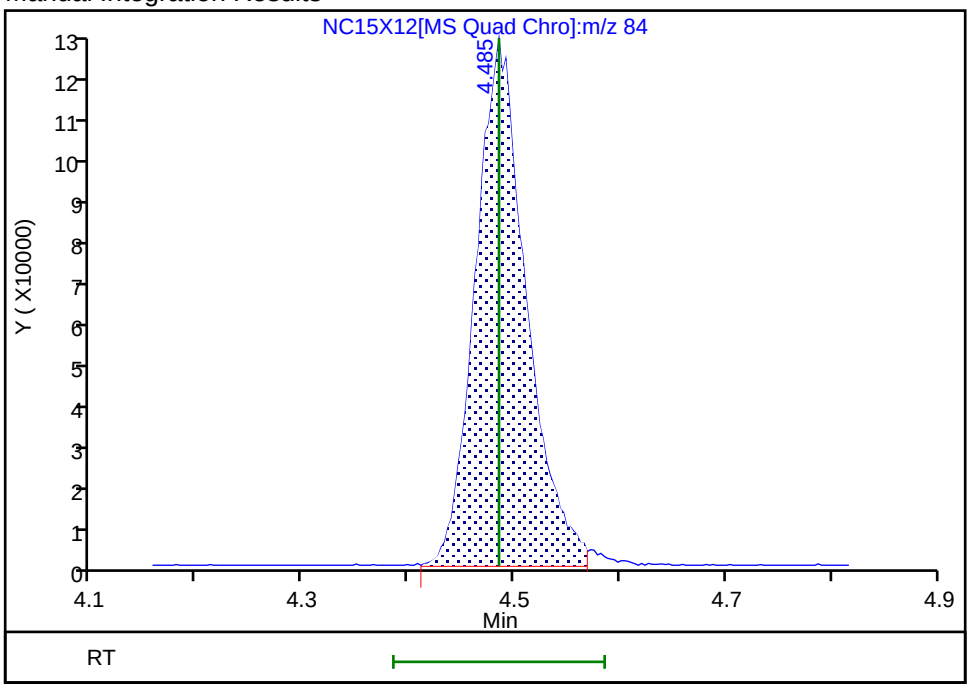
Processing Integration Results

RT: 4.41
Area: 82
Amount: 0.008384
Amount Units: ug/l



Manual Integration Results

RT: 4.49
Area: 426354
Amount: 43.592816
Amount Units: ug/l



Reviewer: TQ4J, 15-Oct-2025 12:50:20 -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

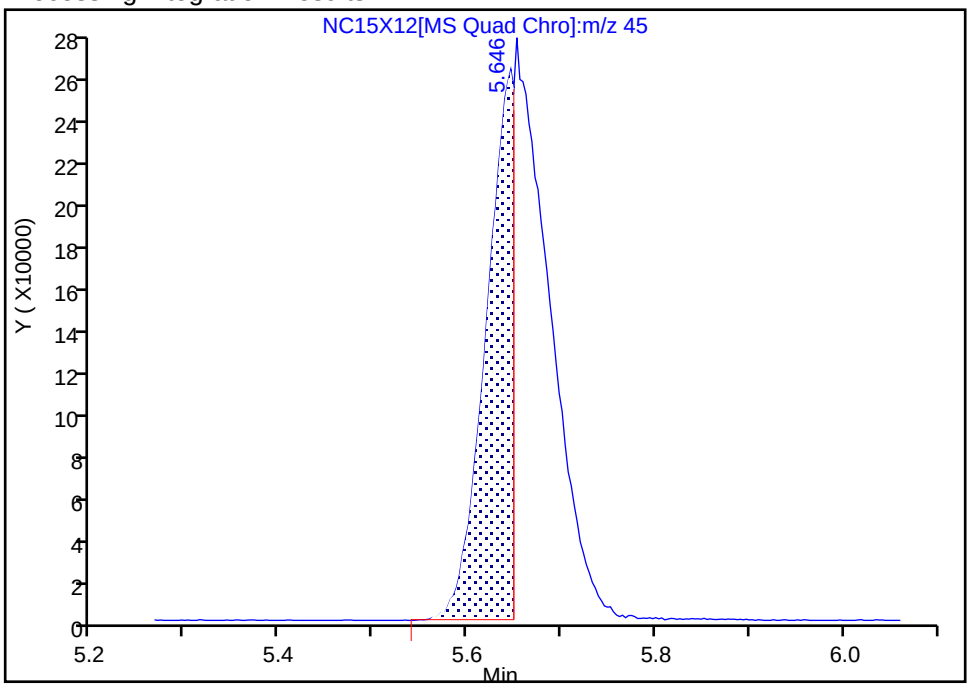
Data File:	\\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X12.D				
Injection Date:	15-Oct-2025 12:15:52	Instrument ID:	7159		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	clm27445	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

36 Isopropyl ether, CAS: 108-20-3

Signal: 1

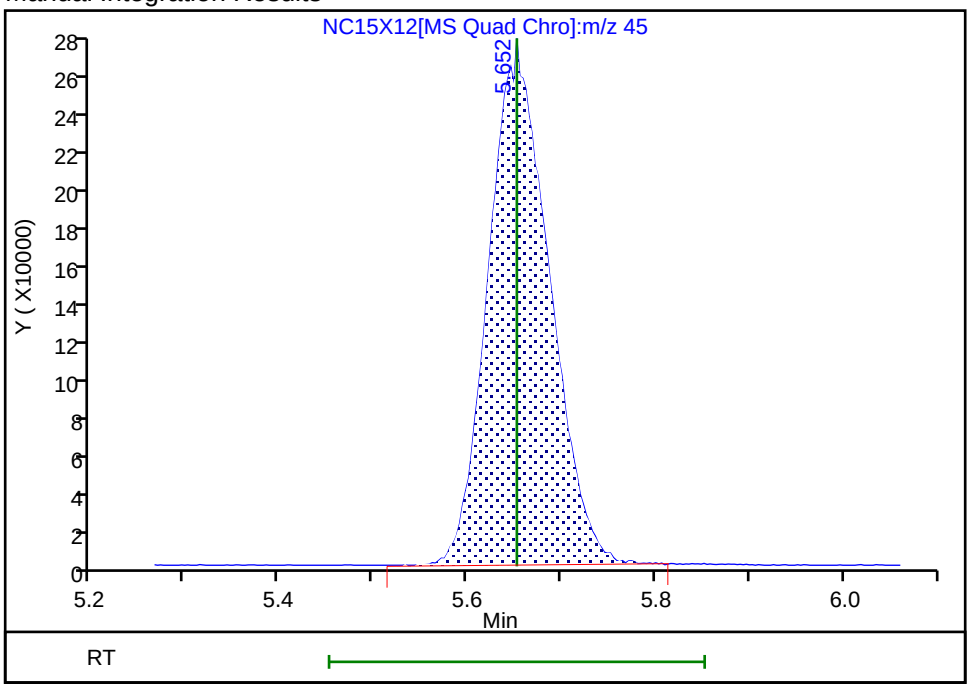
Processing Integration Results

RT: 5.65
Area: 544209
Amount: 22.353600
Amount Units: ug/l



Manual Integration Results

RT: 5.65
Area: 1240580
Amount: 50.957314
Amount Units: ug/l



Reviewer: TQ4J, 15-Oct-2025 12:50:28 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

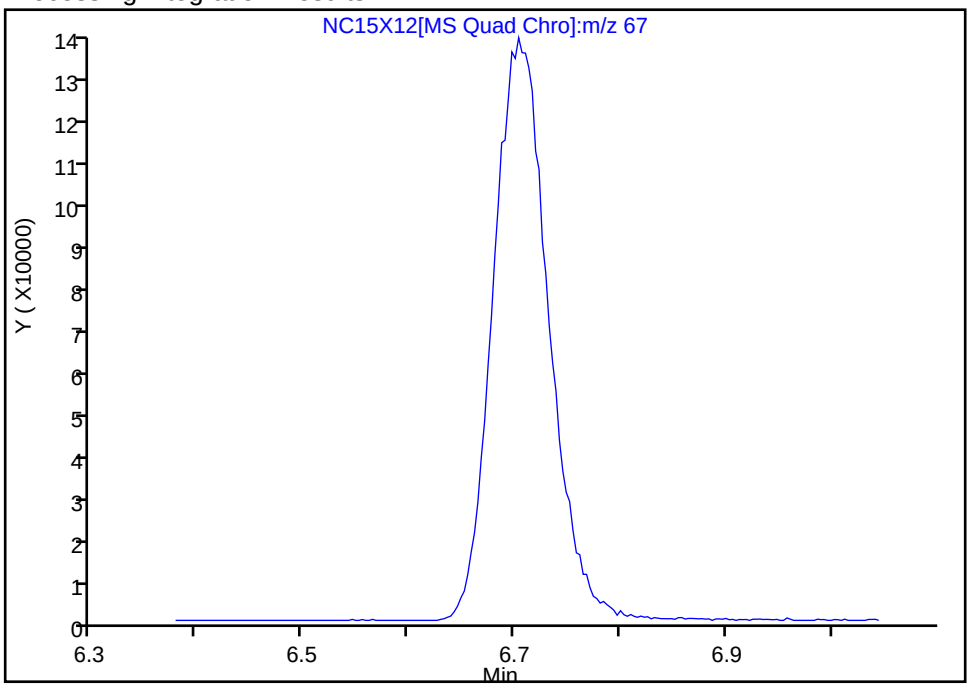
Data File:	\\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X12.D				
Injection Date:	15-Oct-2025 12:15:52	Instrument ID:	7159		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	clm27445	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

46 Methacrylonitrile, CAS: 126-98-7

Signal: 1

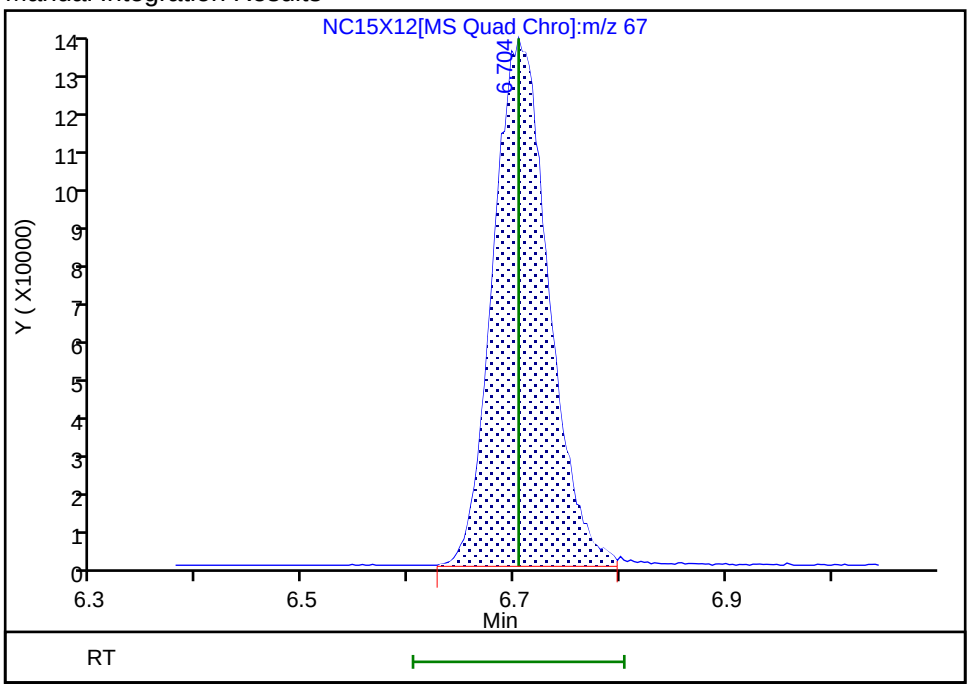
Not Detected
Expected RT: 6.70

Processing Integration Results



Manual Integration Results

RT: 6.70
Area: 490723
Amount: 119.4008
Amount Units: ug/l



Reviewer: TQ4J, 15-Oct-2025 12:50:36 -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

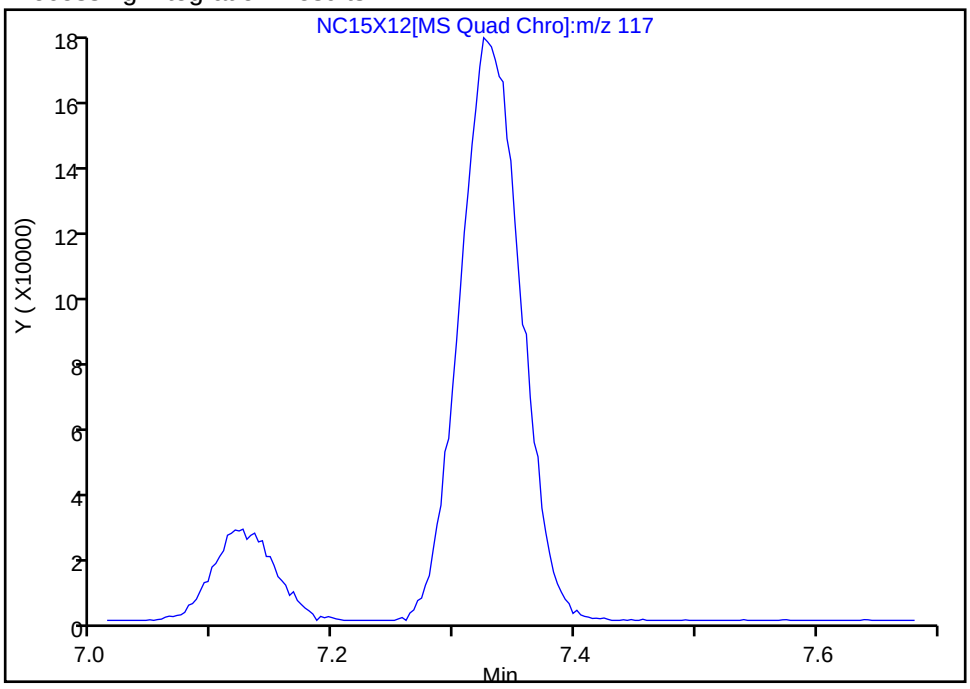
Data File:	\\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X12.D				
Injection Date:	15-Oct-2025 12:15:52	Instrument ID:	7159		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	clm27445	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

53 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

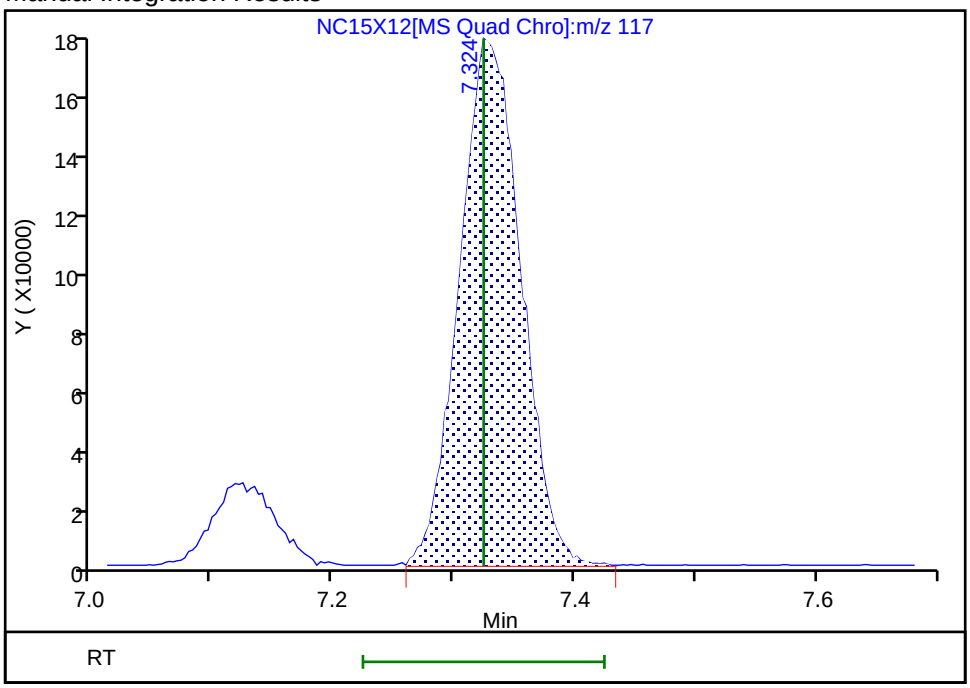
Not Detected
Expected RT: 7.32

Processing Integration Results



Manual Integration Results

RT: 7.32
Area: 606143
Amount: 33.786937
Amount Units: ug/l



Reviewer: TQ4J, 15-Oct-2025 12:50:57 -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

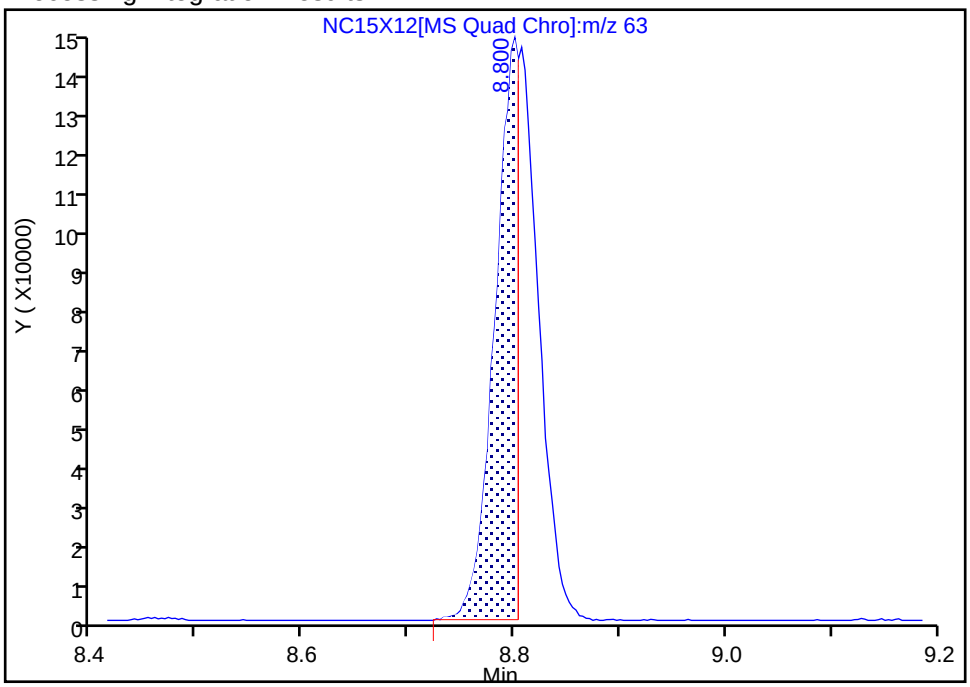
Data File: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X12.D
Injection Date: 15-Oct-2025 12:15:52 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: clm27445 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

69 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

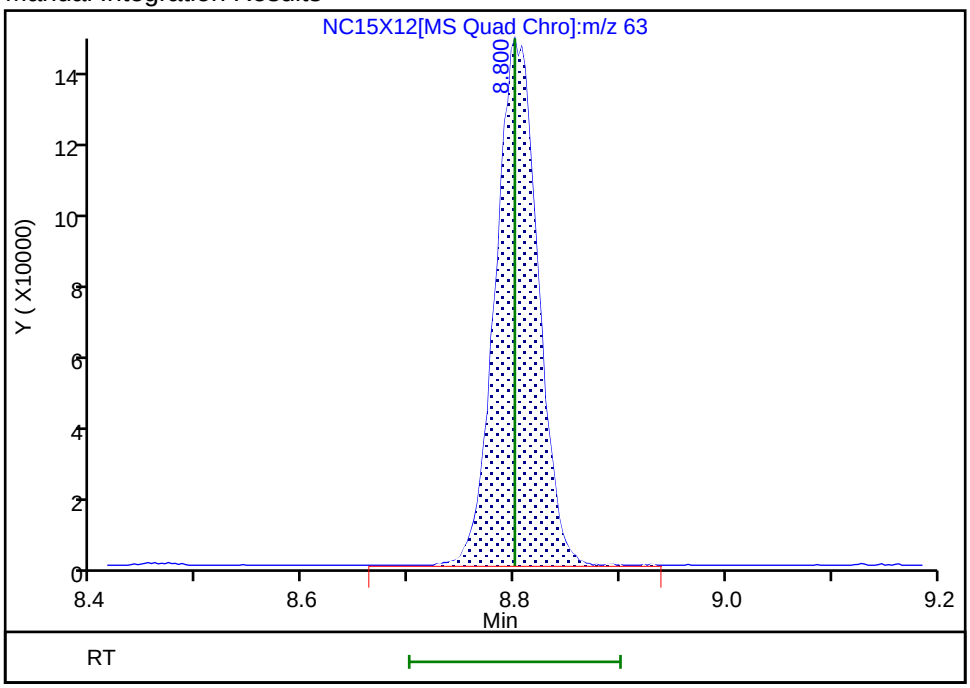
Processing Integration Results

RT: 8.80
Area: 231219
Amount: 26.596599
Amount Units: ug/l



Manual Integration Results

RT: 8.80
Area: 414964
Amount: 47.732372
Amount Units: ug/l



Reviewer: TQ4J, 15-Oct-2025 12:51:08 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

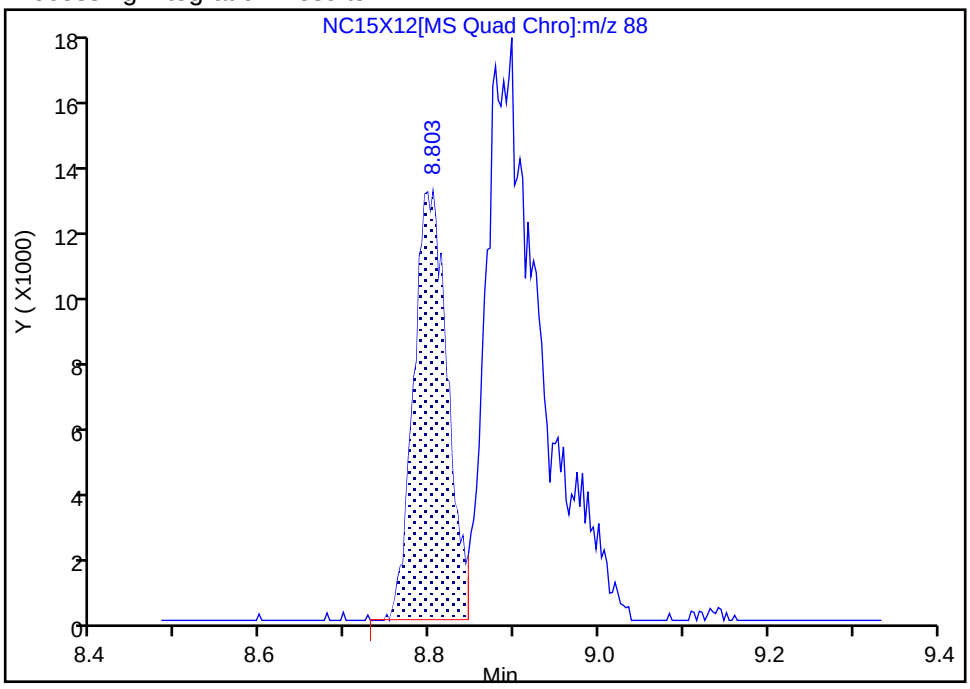
Data File:	\\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X12.D				
Injection Date:	15-Oct-2025 12:15:52	Instrument ID:	7159		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	clm27445	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

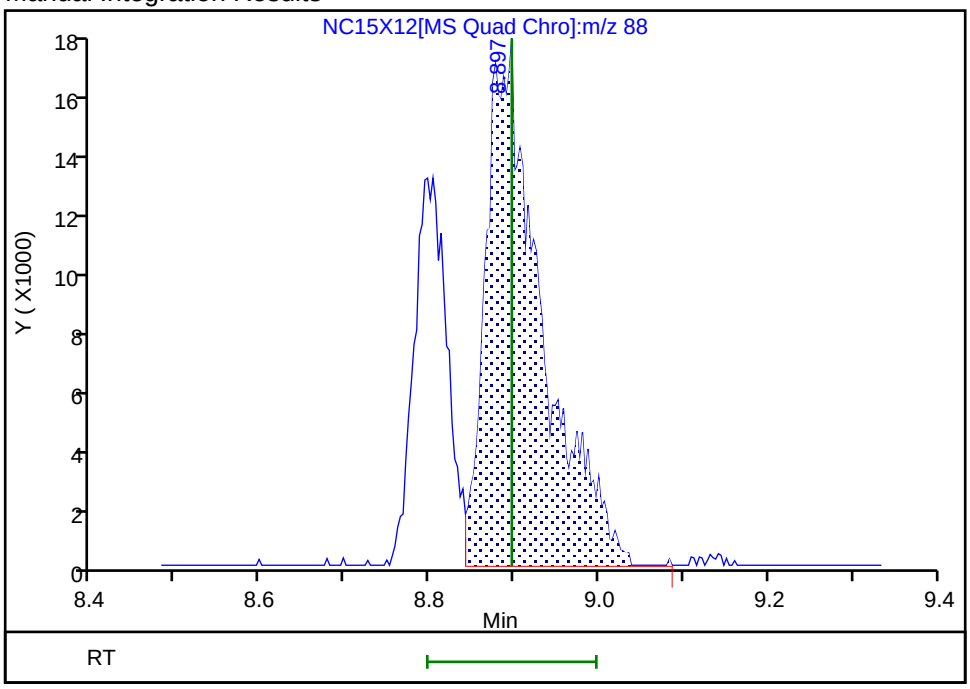
Processing Integration Results

RT: 8.80
Area: 35595
Amount: 242.7727
Amount Units: ug/l



Manual Integration Results

RT: 8.90
Area: 78849
Amount: 537.7830
Amount Units: ug/l



Reviewer: D9QF, 16-Oct-2025 09:21:33 07:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: ICV 410-713065/20 Calibration Date: 10/13/2025 20:44

Instrument ID: 9915 Calib Start Date: 10/13/2025 17:45

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/13/2025 19:59

Lab File ID: LC13X19.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	0.5063	0.4362	0.1000	17.2	20.0	-14.0	30.0
Chloromethane	Ave	0.4523	0.4102	0.1000	18.1	20.0	-9.0	30.0
1,3-Butadiene	Ave	0.3867	0.3731		19.3	20.0	-4.0	30.0
Vinyl chloride	Ave	0.4183	0.4091	0.1000	19.6	20.0	-2.0	30.0
Bromomethane	Ave	0.2828	0.2641	0.1000	18.7	20.0	-7.0	30.0
Chloroethane	Ave	0.2442	0.2258	0.1000	18.5	20.0	-8.0	30.0
Dichlorofluoromethane	Ave	0.6258	0.6465		20.7	20.0	3.0	30.0
n-Pentane	Ave	0.4648	0.3897		16.8	20.0	-16.0	30.0
Trichlorofluoromethane	Ave	0.5554	0.4276	0.1000	15.4	20.0	-23.0	30.0
Ethyl ether	Ave	0.2214	0.2159		19.4	19.9	-2.0	30.0
Freon 123a	Ave	0.3402	0.3468		20.4	20.0	2.0	30.0
Acrolein	Ave	2.427	1.781		107	146	-27.0	30.0
1,1-Dichloroethene	Ave	0.2600	0.2629	0.1000	20.2	20.0	1.0	30.0
Acetone	Ave	1.046	0.9301	0.1000	222	250	-11.0	30.0
Freon 113	Ave	0.2654	0.2464	0.1000	18.6	20.0	-7.0	30.0
Methyl iodide	Ave	0.4972	0.4683		18.8	20.0	-6.0	30.0
2-Propanol	Ave	0.6866	0.6170		135	150	-10.0	30.0
Carbon disulfide	Ave	0.9286	0.8595	0.1000	18.5	20.0	-7.0	30.0
Methyl acetate	Ave	0.2726	0.2751	0.1000	20.2	20.0	1.0	30.0
Allyl chloride	Ave	0.4333	0.4026		18.6	20.0	-7.0	30.0
Methylene Chloride	Ave	0.3062	0.3008	0.1000	19.6	20.0	-2.0	30.0
t-Butyl alcohol	Ave	1.074	1.124		209	200	5.0	30.0
Acrylonitrile	Ave	0.1616	0.1540		95.3	100	-5.0	30.0
Methyl tert-butyl ether	Ave	0.8154	0.8222	0.1000	20.2	20.0	1.0	30.0
trans-1,2-Dichloroethene	Ave	0.3005	0.2886	0.1000	19.2	20.0	-4.0	30.0
n-Hexane	Ave	0.3592	0.3392		18.9	20.0	-6.0	30.0
1,1-Dichloroethane	Ave	0.4886	0.4739	0.2000	19.4	20.0	-3.0	30.0
Isopropyl ether	Ave	0.8021	0.7901		19.7	20.0	-1.0	30.0
2-Chloro-1,3-butadiene	Ave	0.3943	0.3822		19.4	20.0	-3.0	30.0
Ethyl t-butyl ether	Ave	0.7180	0.7335		20.4	20.0	2.0	30.0
2-Butanone (MEK)	Ave	0.1573	0.1566	0.1000	249	250	0.0	30.0
cis-1,2-Dichloroethene	Ave	0.3182	0.3128	0.1000	19.7	20.0	-2.0	30.0
2,2-Dichloropropane	Ave	0.3399	0.3427		20.2	20.0	1.0	30.0
Propionitrile	Ave	1.509	1.414		140	150	-6.0	30.0
Methyl acrylate	Ave	0.2807	0.2248		16.0	20.0	-20.0	30.0
Methacrylonitrile	Ave	0.1396	0.1475		158	150	6.0	30.0
Bromochloromethane	Ave	0.1676	0.1628		19.4	20.0	-3.0	30.0
Tetrahydrofuran	Lin		0.8945		76.7	100	-23.0	30.0
Chloroform	Ave	0.4817	0.4597	0.2000	19.1	20.0	-5.0	30.0
1,1,1-Trichloroethane	Ave	0.4074	0.3988	0.1000	19.6	20.0	-2.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: ICV 410-713065/20 Calibration Date: 10/13/2025 20:44

Instrument ID: 9915 Calib Start Date: 10/13/2025 17:45

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/13/2025 19:59

Lab File ID: LC13X19.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	0.4804	0.4575	0.1000	19.0	20.0	-5.0	30.0
Carbon tetrachloride	Ave	0.3401	0.3312	0.1000	19.5	20.0	-3.0	30.0
1,1-Dichloropropene	Ave	0.3539	0.3421		19.3	20.0	-3.0	30.0
Isobutyl alcohol	Ave	0.2676	0.2322		434	500	-13.0	30.0
Benzene	Ave	1.110	1.059	0.5000	19.1	20.0	-5.0	30.0
1,2-Dichloroethane	Ave	0.3713	0.3514	0.1000	18.9	20.0	-5.0	30.0
t-Amyl methyl ether	Ave	0.6675	0.7036		21.1	20.0	5.0	30.0
n-Heptane	Ave	0.3776	0.3299		17.5	20.0	-13.0	30.0
n-Butanol	Ave	0.1288	0.1399		1090	1000	9.0	30.0
Trichloroethene	Ave	0.2776	0.2617	0.2000	18.9	20.0	-6.0	30.0
Ethyl acrylate	Qua		0.1829		17.1	20.0	-15.0	30.0
Methylcyclohexane	Ave	0.5084	0.4884	0.1000	19.2	20.0	-4.0	30.0
1,2-Dichloropropane	Ave	0.2578	0.2438	0.1000	18.9	20.0	-5.0	30.0
t-Amyl ethyl ether	Ave	0.3333	0.3476		20.9	20.0	4.0	30.0
Methyl methacrylate	Lin1		0.1609		18.2	20.0	-9.0	30.0
1,4-Dioxane	Ave	0.0770	0.0775	0.0050	504	500	1.0	30.0
Dibromomethane	Ave	0.1705	0.1619		19.0	20.0	-5.0	30.0
Bromodichloromethane	Ave	0.3222	0.3008	0.2000	18.7	20.0	-7.0	30.0
2-Nitropropane	Lin1		1.027		14.6	20.0	-27.0	30.0
2-Chloroethyl vinyl ether	Ave	0.1461	0.1288		17.6	20.0	-12.0	30.0
cis-1,3-Dichloropropene	Ave	0.3559	0.3280	0.2000	18.4	20.0	-8.0	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3287	0.3505	0.1000	267	250	7.0	30.0
Toluene	Ave	0.9111	0.9034	0.4000	19.8	20.0	-1.0	30.0
trans-1,3-Dichloropropene	Ave	0.4080	0.4044	0.1000	19.8	20.0	-1.0	30.0
Ethyl methacrylate	Ave	0.4258	0.4270		20.1	20.0	0.0	30.0
1,1,2-Trichloroethane	Ave	0.3184	0.3135	0.1000	19.7	20.0	-2.0	30.0
Tetrachloroethene	Ave	0.4403	0.4361	0.2000	19.8	20.0	-1.0	30.0
1,3-Dichloropropane	Ave	0.4912	0.4810		19.6	20.0	-2.0	30.0
2-Hexanone	Ave	0.2532	0.2879	0.1000	284	250	14.0	30.0
Dibromochloromethane	Ave	0.3422	0.3235		18.9	20.0	-5.0	30.0
1,2-Dibromoethane (EDB)	Ave	0.3006	0.2927	0.1000	19.5	20.0	-3.0	30.0
1-Chlorohexane	Ave	0.4529	0.4283		18.9	20.0	-5.0	30.0
Chlorobenzene	Ave	1.010	0.9602	0.5000	19.0	20.0	-5.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3783	0.3922		20.7	20.0	4.0	30.0
Ethylbenzene	Ave	1.740	1.756	0.1000	20.2	20.0	1.0	30.0
m&p-Xylene	Ave	0.6960	0.7075	0.1000	40.7	40.0	2.0	30.0
n-Butyl acrylate	Ave	0.5590	0.4765		17.0	20.0	-15.0	30.0
o-Xylene	Ave	0.7324	0.7710	0.3000	21.1	20.0	5.0	30.0
Styrene	Ave	1.065	1.101	0.3000	20.7	20.0	3.0	30.0
Bromoform	Ave	0.2513	0.2408	0.1000	19.2	20.0	-4.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: ICV 410-713065/20 Calibration Date: 10/13/2025 20:44

Instrument ID: 9915 Calib Start Date: 10/13/2025 17:45

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/13/2025 19:59

Lab File ID: LC13X19.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	1.864	2.023	0.1000	21.7	20.0	9.0	30.0
Cyclohexanone	Lin1		0.2666		451	500	-10.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8987	0.8531	0.3000	19.0	20.0	-5.0	30.0
Bromobenzene	Ave	0.7571	0.7115		18.8	20.0	-6.0	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2105	0.2049		97.3	100	-3.0	30.0
1,2,3-Trichloropropane	Ave	0.2895	0.2651		18.3	20.0	-8.0	30.0
N-Propylbenzene	Ave	3.420	3.353		19.6	20.0	-2.0	30.0
2-Chlorotoluene	Ave	0.7520	0.7239		19.3	20.0	-4.0	30.0
1,3,5-Trimethylbenzene	Ave	2.534	2.588		20.4	20.0	2.0	30.0
4-Chlorotoluene	Ave	0.7104	0.6801		19.1	20.0	-4.0	30.0
tert-Butylbenzene	Ave	0.5656	0.5300		18.7	20.0	-6.0	30.0
1,2,4-Trimethylbenzene	Ave	2.639	2.655		20.1	20.0	1.0	30.0
sec-Butylbenzene	Ave	3.225	3.282		20.4	20.0	2.0	30.0
1,3-Dichlorobenzene	Ave	1.541	1.489	0.6000	19.3	20.0	-3.0	30.0
p-Isopropyltoluene	Ave	2.880	2.894		20.1	20.0	0.0	30.0
1,4-Dichlorobenzene	Ave	1.553	1.477	0.5000	19.0	20.0	-5.0	30.0
1,2,3-Trimethylbenzene	Ave	2.755	2.765		20.1	20.0	0.0	30.0
Benzyl chloride	Lin		1.366		18.4	20.0	-8.0	30.0
1,3-Diethylbenzene	Ave	1.661	1.719		20.7	20.0	3.0	30.0
1,4-Diethylbenzene	Ave	1.835	1.844		20.1	20.0	1.0	30.0
n-Butylbenzene	Ave	1.434	1.417		19.8	20.0	-1.0	30.0
1,2-Dichlorobenzene	Ave	1.637	1.590	0.4000	19.4	20.0	-3.0	30.0
1,2-Diethylbenzene	Ave	1.420	1.441		20.3	20.0	1.0	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2215	0.2095	0.0500	18.9	20.0	-5.0	30.0
1,3,5-Trichlorobenzene	Ave	1.453	1.456		20.0	20.0	0.0	30.0
1,2,4-Trichlorobenzene	Ave	1.425	1.469	0.2000	20.6	20.0	3.0	30.0
2-Ethylhexyl acrylate	Lin		0.7568		16.1	20.1	-20.0	30.0
Hexachlorobutadiene	Ave	0.6250	0.6240		20.0	20.0	0.0	30.0
Naphthalene	Ave	4.103	4.414		21.5	20.0	8.0	30.0
1,2,3-Trichlorobenzene	Ave	1.419	1.430		20.2	20.0	1.0	30.0
2-Methylnaphthalene	Ave	2.318	2.660		22.9	20.0	15.0	30.0
Dibromofluoromethane (Surr)	Ave	0.2509	0.2509		50.0	50.0	0.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0622	0.0628		50.5	50.0	1.0	30.0
Toluene-d8 (Surr)	Ave	1.325	1.345		50.7	50.0	1.0	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4747	0.4745		50.0	50.0	0.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X19.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 13-Oct-2025 20:44:28 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162959-020
Misc. Info.: ICV
Operator ID: jml01693 Instrument ID: 9915
Sublist:

Method: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 11:07:14 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: UKAD Date: 13-Oct-2025 22:04:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.875	1.872	0.003	99	198339	20.0	17.2	
5 Chloromethane	50	2.062	2.065	-0.003	99	186540	20.0	18.1	
6 Butadiene	39	2.171	2.168	0.003	83	169643	20.0	19.3	
7 Vinyl chloride	62	2.174	2.174	0.000	98	186040	20.0	19.6	
9 Bromomethane	94	2.496	2.496	0.000	91	120087	20.0	18.7	
10 Chloroethane	64	2.563	2.563	0.000	99	102685	20.0	18.5	
11 Dichlorofluoromethane	67	2.801	2.801	0.000	97	293995	20.0	20.7	
12 Pentane	43	2.849	2.853	-0.004	98	177200	20.0	16.8	
13 Trichlorofluoromethane	101	2.869	2.869	0.000	97	194458	20.0	15.4	
15 Ethyl ether	59	3.062	3.052	0.010	93	97448	19.9	19.4	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.200	3.197	0.003	91	157721	20.0	20.4	
17 Acrolein	56	3.232	3.226	0.006	99	252834	146.3	107.4	
18 1,1-Dichloroethene	96	3.370	3.358	0.012	96	119563	20.0	20.2	
19 Acetone	58	3.402	3.399	0.003	100	225550	250.0	222.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.428	3.428	0.000	89	112059	20.0	18.6	
22 Iodomethane	142	3.570	3.570	0.000	97	212936	20.0	18.8	
21 Isopropyl alcohol	45	3.621	3.618	0.003	51	89766	150.0	134.8	
23 Carbon disulfide	76	3.663	3.669	-0.006	99	390846	20.0	18.5	
25 Methyl acetate	43	3.795	3.795	0.000	98	125110	20.0	20.2	
26 3-Chloro-1-propene	41	3.827	3.821	0.006	92	183085	20.0	18.6	
27 Methylene Chloride	84	4.017	4.004	0.013	91	136797	20.0	19.6	
* 28 t-Butyl alcohol-d10 (IS)	65	4.119	4.091	0.028	78	242491	250.0	250.0	
29 2-Methyl-2-propanol	59	4.229	4.219	0.010	95	217964	200.0	209.2	
30 Acrylonitrile	53	4.344	4.338	0.006	100	350092	100.0	95.3	
32 trans-1,2-Dichloroethene	96	4.402	4.396	0.006	99	131217	20.0	19.2	
31 Methyl tert-butyl ether	73	4.396	4.425	-0.029	89	373869	20.0	20.2	
35 Hexane	57	4.840	4.833	0.007	93	154265	20.0	18.9	
36 1,1-Dichloroethane	63	5.090	5.084	0.006	96	215513	20.0	19.4	
38 Isopropyl ether	45	5.145	5.145	0.000	96	359307	20.0	19.7	
39 2-Chloro-1,3-butadiene	53	5.190	5.187	0.003	92	173815	20.0	19.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.685	5.685	0.000	97	333561	20.0	20.4	
41 2-Butanone (MEK)	43	5.926	5.933	-0.007	100	889961	250.0	248.8	
42 cis-1,2-Dichloroethene	96	5.933	5.933	0.000	79	142227	20.0	19.7	
43 2,2-Dichloropropane	77	5.959	5.959	0.000	85	155818	20.0	20.2	
45 Propionitrile	54	6.026	6.023	0.003	98	205662	150.0	140.5	
46 Methyl acrylate	55	6.045	6.039	0.006	99	102130	20.0	16.0	
48 Methacrylonitrile	67	6.229	6.226	0.003	91	503052	150.0	158.5	
49 Chlorobromomethane	128	6.264	6.267	-0.003	92	74030	20.0	19.4	
50 Tetrahydrofuran	71	6.287	6.277	0.010	81	86762	100.0	76.7	
51 Chloroform	83	6.425	6.419	0.006	93	209040	20.0	19.1	
$ 52 Dibromofluoromethane (Surr)	113	6.640	6.640	0.000	95	285260	50.0	50.0	
53 1,1,1-Trichloroethane	97	6.647	6.647	0.000	93	181332	20.0	19.6	
54 Cyclohexane	56	6.743	6.747	-0.003	89	208034	20.0	19.0	
55 1,1-Dichloropropene	75	6.859	6.859	0.000	95	155546	20.0	19.3	
56 Carbon tetrachloride	117	6.856	6.862	-0.006	84	150608	20.0	19.5	
57 Isobutyl alcohol	41	7.078	7.071	0.007	92	112612	500.0	433.8	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.100	7.100	0.000	95	71428	50.0	50.5	
59 Benzene	78	7.129	7.126	0.003	96	481451	20.0	19.1	
60 1,2-Dichloroethane	62	7.209	7.203	0.006	98	159800	20.0	18.9	
62 Tert-amyl methyl ether	73	7.319	7.312	0.007	97	319969	20.0	21.1	
* 63 Fluorobenzene (IS)	96	7.537	7.537	0.000	99	1136832	50.0	50.0	
64 n-Heptane	43	7.547	7.547	0.000	92	150009	20.0	17.5	
66 n-Butanol	56	7.952	7.975	-0.023	89	135726	1000.0	1086.0	
67 Trichloroethene	95	8.016	8.013	0.003	96	119019	20.0	18.9	
68 Ethyl acrylate	55	8.151	8.148	0.003	99	83079	20.0	17.1	
69 Methylcyclohexane	83	8.315	8.322	-0.007	89	222080	20.0	19.2	
70 1,2-Dichloropropane	63	8.357	8.361	-0.004	88	110872	20.0	18.9	
71 2-ethoxy-2-methyl butane	87	8.364	8.361	0.003	92	158049	20.0	20.9	
72 Methyl methacrylate	69	8.450	8.447	0.003	93	73188	20.0	18.2	
74 Dibromomethane	93	8.460	8.463	-0.003	91	73626	20.0	19.0	
73 1,4-Dioxane	88	8.460	8.470	-0.010	67	37607	500.0	503.7	
76 Dichlorobromomethane	83	8.708	8.705	0.003	99	136792	20.0	18.7	
77 2-Nitropropane	41	9.000	8.994	0.006	97	19925	20.0	14.6	
78 2-Chloroethyl vinyl ether	63	9.081	9.078	0.003	93	58573	20.0	17.6	
79 cis-1,3-Dichloropropene	75	9.261	9.261	0.000	96	149155	20.0	18.4	
80 4-Methyl-2-pentanone (MIBK)	43	9.450	9.454	-0.004	96	1992182	250.0	266.6	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	1038291	50.0	50.7	
83 Toluene	92	9.653	9.653	0.000	99	278898	20.0	19.8	
95 trans-1,3-Dichloropropene	75	9.923	9.923	0.000	93	124836	20.0	19.8	
96 Ethyl methacrylate	69	9.987	9.991	-0.004	89	131818	20.0	20.1	
118 1,1,2-Trichloroethane	97	10.129	10.132	-0.003	90	96801	20.0	19.7	
119 Tetrachloroethene	166	10.206	10.206	0.000	97	134628	20.0	19.8	
120 1,3-Dichloropropane	76	10.293	10.293	0.000	91	148511	20.0	19.6	
122 2-Hexanone	43	10.354	10.354	0.000	96	1110958	250.0	284.3	
124 Chlorodibromomethane	129	10.508	10.508	0.000	90	99874	20.0	18.9	
125 Ethylene Dibromide	107	10.614	10.615	-0.001	99	90355	20.0	19.5	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	771815	50.0	50.0	
127 1-Chlorohexane	91	11.064	11.065	-0.001	98	132221	20.0	18.9	
128 Chlorobenzene	112	11.077	11.078	-0.001	96	296439	20.0	19.0	
132 1,1,1,2-Tetrachloroethane	131	11.161	11.161	0.000	94	121078	20.0	20.7	
133 Ethylbenzene	91	11.164	11.164	0.000	98	542154	20.0	20.2	
135 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	436876	40.0	40.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
136 n-Butyl acrylate	55	11.569	11.569	0.000	97	146977	20.0	17.0	
137 o-Xylene	106	11.611	11.611	0.000	96	238033	20.0	21.1	
138 Styrene	104	11.627	11.627	0.000	94	339842	20.0	20.7	
139 Bromoform	173	11.781	11.782	-0.001	99	74329	20.0	19.2	
140 Isopropylbenzene	105	11.913	11.914	-0.001	95	624545	20.0	21.7	
142 Cyclohexanone	55	11.994	11.994	0.000	92	129265	499.9	451.5	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	97	366200	50.0	50.0	
146 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	95	172445	20.0	19.0	
147 Bromobenzene	156	12.171	12.171	0.000	93	143830	20.0	18.8	
148 trans-1,4-Dichloro-2-butene	53	12.190	12.190	0.000	92	207067	100.0	97.3	
149 1,2,3-Trichloropropane	110	12.209	12.209	0.000	84	53585	20.0	18.3	
150 N-Propylbenzene	91	12.241	12.241	0.000	98	677773	20.0	19.6	
151 2-Chlorotoluene	126	12.318	12.315	0.003	98	146336	20.0	19.3	
152 1,3,5-Trimethylbenzene	105	12.380	12.380	0.000	94	523071	20.0	20.4	
153 4-Chlorotoluene	126	12.412	12.409	0.003	96	137466	20.0	19.1	
155 tert-Butylbenzene	134	12.621	12.621	0.000	92	107128	20.0	18.7	
157 1,2,4-Trimethylbenzene	105	12.662	12.663	-0.001	97	536731	20.0	20.1	
158 sec-Butylbenzene	105	12.781	12.785	-0.004	93	663460	20.0	20.4	
159 1,3-Dichlorobenzene	146	12.881	12.881	0.000	98	300970	20.0	19.3	
160 4-Isopropyltoluene	119	12.891	12.891	0.000	97	584928	20.0	20.1	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	92	505342	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.952	12.955	-0.003	96	298512	20.0	19.0	
163 1,2,3-Trimethylbenzene	105	12.965	12.965	0.000	98	558918	20.0	20.1	
165 Benzyl chloride	91	13.032	13.032	0.000	98	276112	20.0	18.4	
166 1,3-Diethylbenzene	119	13.090	13.094	-0.004	95	347424	20.0	20.7	
167 p-Diethylbenzene	119	13.161	13.161	0.000	96	372830	20.0	20.1	
168 n-Butylbenzene	92	13.183	13.184	-0.001	98	286406	20.0	19.8	
169 1,2-Dichlorobenzene	146	13.212	13.212	0.000	99	321485	20.0	19.4	
170 o-diethylbenzene	119	13.235	13.235	0.000	94	291263	20.0	20.3	
172 1,2-Dibromo-3-Chloropropane	75	13.756	13.756	0.000	90	42355	20.0	18.9	
173 1,3,5-Trichlorobenzene	180	13.878	13.878	0.000	97	294250	20.0	20.0	
174 1,2,4-Trichlorobenzene	180	14.299	14.302	-0.003	94	296919	20.0	20.6	
175 2-Ethylhexyl acrylate	55	14.367	14.367	0.000	86	153367	20.1	16.1	
176 Hexachlorobutadiene	225	14.383	14.383	0.000	93	126125	20.0	20.0	
177 Naphthalene	128	14.482	14.483	-0.001	96	892178	20.0	21.5	
178 1,2,3-Trichlorobenzene	180	14.624	14.624	0.000	96	289081	20.0	20.2	
179 2-Methylnaphthalene	142	15.235	15.235	0.000	93	537657	20.0	22.9	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_VOC#1_00244	Amount Added:	50.00	Units: uL	
MSV_LCS_2CEVE_00252	Amount Added:	50.00	Units: uL	
MSV_LCS_CYC_00012	Amount Added:	50.00	Units: uL	
MSV_LCS_ACROL_00249	Amount Added:	50.00	Units: uL	
MSV_LCS_Gases_00272	Amount Added:	50.00	Units: uL	
MSV_Q_Acr_Std_00012	Amount Added:	2.00	Units: uL	
MSV_LCS_EE_00011	Amount Added:	50.00	Units: uL	
MSV_HP23_ISSS_00017	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 14-Oct-2025 11:07:59 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X19.D

Injection Date: 13-Oct-2025 20:44:28 Instrument ID: 9915 Operator ID: jml01693

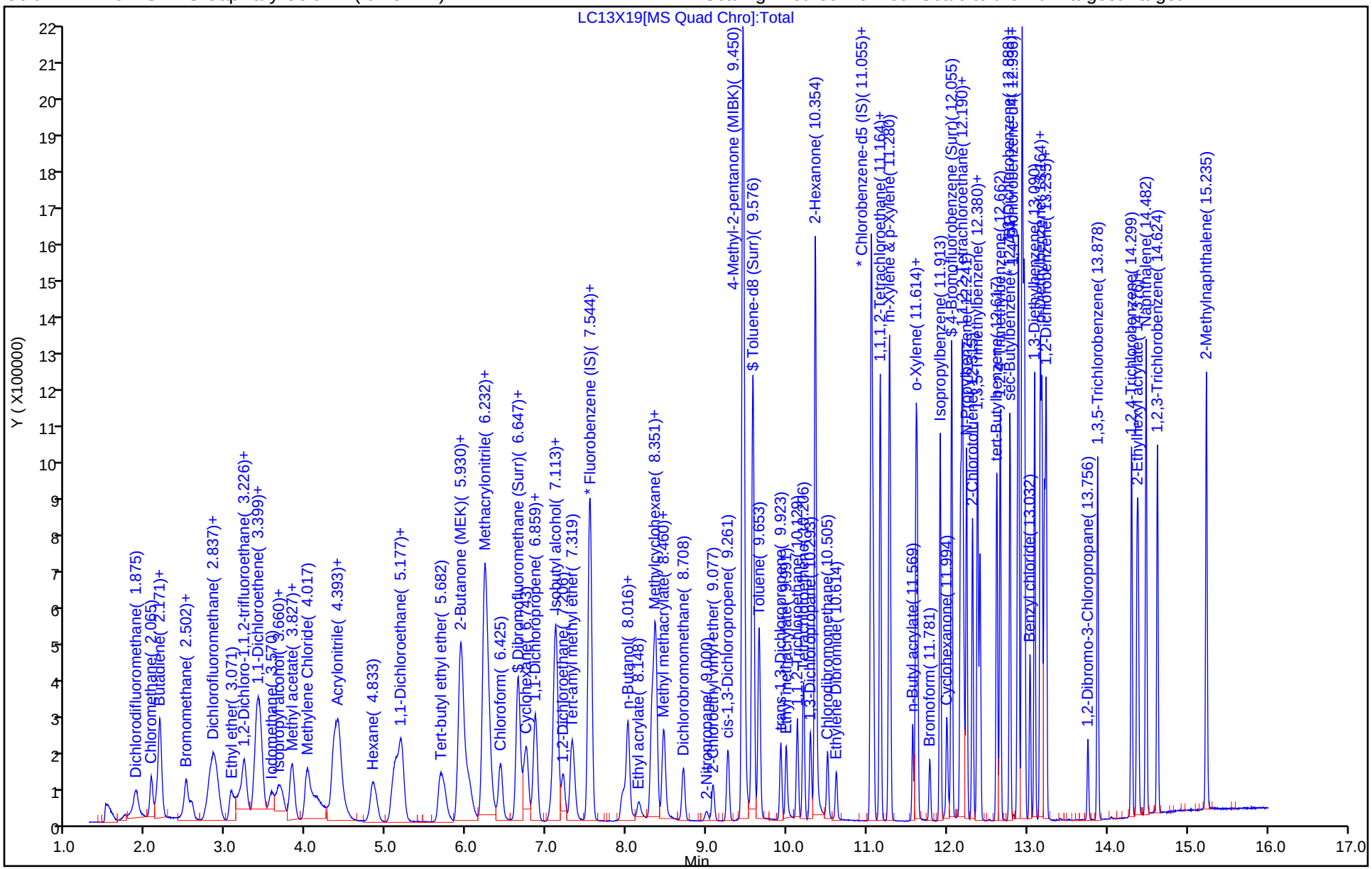
Lims ID: ICV Worklist Smp#: 20

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 19

Method: MSVoa_9915a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: CCVIS 410-713456/3 Calibration Date: 10/14/2025 09:59

Instrument ID: 9915 Calib Start Date: 10/13/2025 17:45

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/13/2025 19:59

Lab File ID: LC14X02.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	0.5063	0.4626	0.1000	45.7	50.0	-9.0	20.0
Chloromethane	Ave	0.4523	0.4249	0.1000	47.0	50.0	-6.0	20.0
1,3-Butadiene	Ave	0.3867	0.3640		47.1	50.0	-6.0	20.0
Vinyl chloride	Ave	0.4183	0.4046	0.1000	48.4	50.0	-3.0	20.0
Bromomethane	Ave	0.2828	0.2644	0.1000	46.7	50.0	-7.0	20.0
Chloroethane	Ave	0.2442	0.2292	0.1000	46.9	50.0	-6.0	20.0
Dichlorofluoromethane	Ave	0.6258	0.6085		48.6	50.0	-3.0	20.0
n-Pentane	Ave	0.4648	0.4402		47.4	50.0	-5.0	20.0
Trichlorofluoromethane	Ave	0.5554	0.5233	0.1000	47.1	50.0	-6.0	20.0
Freon 123a	Ave	0.3402	0.3330		49.0	50.0	-2.0	20.0
Acrolein	Ave	2.427	2.083		419	488	-14.0	20.0
1,1-Dichloroethene	Ave	0.2600	0.2380	0.1000	45.8	50.0	-8.0	20.0
Acetone	Ave	1.046	0.9355	0.1000	89.4	100	-11.0	20.0
Freon 113	Ave	0.2654	0.2470	0.1000	46.5	50.0	-7.0	20.0
Methyl iodide	Ave	0.4972	0.4479		45.0	50.0	-10.0	20.0
2-Propanol	Ave	0.6866	0.7386		269	250	8.0	20.0
Carbon disulfide	Ave	0.9286	0.8663	0.1000	46.6	50.0	-7.0	20.0
Methyl acetate	Ave	0.2726	0.2788	0.1000	51.1	50.0	2.0	20.0
Allyl chloride	Ave	0.4333	0.4224		48.7	50.0	-3.0	20.0
Methylene Chloride	Ave	0.3062	0.2859	0.1000	46.7	50.0	-7.0	20.0
t-Butyl alcohol	Ave	1.074	1.082		252	250	1.0	20.0
Acrylonitrile	Ave	0.1616	0.1613		125	125	0.0	20.0
Methyl tert-butyl ether	Ave	0.8154	0.7837	0.1000	48.1	50.0	-4.0	20.0
trans-1,2-Dichloroethene	Ave	0.3005	0.2817	0.1000	46.9	50.0	-6.0	20.0
n-Hexane	Ave	0.3592	0.3682		51.3	50.0	3.0	20.0
1,1-Dichloroethane	Ave	0.4886	0.4692	0.2000	48.0	50.0	-4.0	20.0
Isopropyl ether	Ave	0.8021	0.8069		50.3	50.0	1.0	20.0
2-Chloro-1,3-butadiene	Ave	0.3943	0.3967		50.3	50.0	1.0	20.0
Ethyl t-butyl ether	Ave	0.7180	0.7034		49.0	50.0	-2.0	20.0
2-Butanone (MEK)	Ave	0.1573	0.1254	0.1000	79.7	100	-20.0	20.0
cis-1,2-Dichloroethene	Ave	0.3182	0.2981	0.1000	46.8	50.0	-6.0	20.0
2,2-Dichloropropane	Ave	0.3399	0.3352		49.3	50.0	-1.0	20.0
Propionitrile	Ave	1.509	1.671		277	250	11.0	20.0
Methacrylonitrile	Ave	0.1396	0.1519		136	125	9.0	20.0
Bromochloromethane	Ave	0.1676	0.1573		46.9	50.0	-6.0	20.0
Tetrahydrofuran	Lin		1.214		255	250	2.0	20.0
Chloroform	Ave	0.4817	0.4584	0.2000	47.6	50.0	-5.0	20.0
1,1,1-Trichloroethane	Ave	0.4074	0.3892	0.1000	47.8	50.0	-4.0	20.0
Cyclohexane	Ave	0.4804	0.4714	0.1000	49.1	50.0	-2.0	20.0
Carbon tetrachloride	Ave	0.3401	0.3352	0.1000	49.3	50.0	-1.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: CCVIS 410-713456/3 Calibration Date: 10/14/2025 09:59

Instrument ID: 9915 Calib Start Date: 10/13/2025 17:45

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/13/2025 19:59

Lab File ID: LC14X02.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
1,1-Dichloropropene	Ave	0.3539	0.3523		49.8	50.0	0.0	20.0
Isobutyl alcohol	Ave	0.2676	0.3172		741	625	19.0	20.0
Benzene	Ave	1.110	1.090	0.5000	49.1	50.0	-2.0	20.0
1,2-Dichloroethane	Ave	0.3713	0.3644	0.1000	49.1	50.0	-2.0	20.0
t-Amyl methyl ether	Ave	0.6675	0.6769		50.7	50.0	1.0	20.0
n-Heptane	Ave	0.3776	0.3952		52.3	50.0	5.0	20.0
n-Butanol	Ave	0.1288	0.1873		909	625	45.0*	20.0
Trichloroethene	Ave	0.2776	0.2719	0.2000	49.0	50.0	-2.0	20.0
Methylcyclohexane	Ave	0.5084	0.5181	0.1000	51.0	50.0	2.0	20.0
1,2-Dichloropropane	Ave	0.2578	0.2595	0.1000	50.3	50.0	1.0	20.0
t-Amyl ethyl ether	Ave	0.3333	0.3503		52.5	50.0	5.0	20.0
Methyl methacrylate	Lin1		0.1826		46.1	50.0	-8.0	20.0
1,4-Dioxane	Ave	0.0770	0.0837	0.0050	680	625	9.0	20.0
Dibromomethane	Ave	0.1705	0.1675		49.1	50.0	-2.0	20.0
Bromodichloromethane	Ave	0.3222	0.3203	0.2000	49.7	50.0	-1.0	20.0
2-Nitropropane	Lin1		2.152		289	250	16.0	20.0
2-Chloroethyl vinyl ether	Ave	0.1461	0.1490		51.0	50.0	2.0	20.0
cis-1,3-Dichloropropene	Ave	0.3559	0.3857	0.2000	54.2	50.0	8.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3287	0.2884	0.1000	87.7	100	-12.0	20.0
Toluene	Ave	0.9111	0.9032	0.4000	49.6	50.0	-1.0	20.0
trans-1,3-Dichloropropene	Ave	0.4080	0.4540	0.1000	55.6	50.0	11.0	20.0
Ethyl methacrylate	Ave	0.4258	0.4661		54.7	50.0	9.0	20.0
1,1,2-Trichloroethane	Ave	0.3184	0.3191	0.1000	50.1	50.0	0.0	20.0
Tetrachloroethene	Ave	0.4403	0.4238	0.2000	48.1	50.0	-4.0	20.0
1,3-Dichloropropane	Ave	0.4912	0.5055		51.4	50.0	3.0	20.0
2-Hexanone	Ave	0.2532	0.2420	0.1000	95.6	100	-4.0	20.0
Dibromochloromethane	Ave	0.3422	0.3593		52.5	50.0	5.0	20.0
1,2-Dibromoethane (EDB)	Ave	0.3006	0.3047	0.1000	50.7	50.0	1.0	20.0
1-Chlorohexane	Ave	0.4529	0.4447		49.1	50.0	-2.0	20.0
Chlorobenzene	Ave	1.010	0.996	0.5000	49.3	50.0	-1.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3783	0.3901		51.5	50.0	3.0	20.0
Ethylbenzene	Ave	1.740	1.764	0.1000	50.7	50.0	1.0	20.0
m&p-Xylene	Ave	0.6960	0.7089	0.1000	102	100	2.0	20.0
o-Xylene	Ave	0.7324	0.7457	0.3000	50.9	50.0	2.0	20.0
Styrene	Ave	1.065	1.112	0.3000	52.2	50.0	4.0	20.0
Bromoform	Ave	0.2513	0.2627	0.1000	52.3	50.0	5.0	20.0
Isopropylbenzene	Ave	1.864	1.968	0.1000	52.8	50.0	6.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8987	0.9299	0.3000	51.7	50.0	3.0	20.0
Bromobenzene	Ave	0.7571	0.7532		49.7	50.0	-1.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2105	0.2216		132	125	5.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: CCVIS 410-713456/3 Calibration Date: 10/14/2025 09:59

Instrument ID: 9915 Calib Start Date: 10/13/2025 17:45

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/13/2025 19:59

Lab File ID: LC14X02.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
1,2,3-Trichloropropane	Ave	0.2895	0.2873		49.6	50.0	-1.0	20.0
N-Propylbenzene	Ave	3.420	3.594		52.5	50.0	5.0	20.0
2-Chlorotoluene	Ave	0.7520	0.7576		50.4	50.0	1.0	20.0
1,3,5-Trimethylbenzene	Ave	2.534	2.748		54.2	50.0	8.0	20.0
4-Chlorotoluene	Ave	0.7104	0.7180		50.5	50.0	1.0	20.0
tert-Butylbenzene	Ave	0.5656	0.6083		53.8	50.0	8.0	20.0
1,2,4-Trimethylbenzene	Ave	2.639	2.826		53.5	50.0	7.0	20.0
sec-Butylbenzene	Ave	3.225	3.578		55.5	50.0	11.0	20.0
1,3-Dichlorobenzene	Ave	1.541	1.559	0.6000	50.6	50.0	1.0	20.0
p-Isopropyltoluene	Ave	2.880	3.214		55.8	50.0	12.0	20.0
1,4-Dichlorobenzene	Ave	1.553	1.542	0.5000	49.6	50.0	-1.0	20.0
1,2,3-Trimethylbenzene	Ave	2.755	2.898		52.6	50.0	5.0	20.0
Benzyl chloride	Lin		1.696		51.5	50.0	3.0	20.0
1,3-Diethylbenzene	Ave	1.661	1.788		53.8	50.0	8.0	20.0
1,4-Diethylbenzene	Ave	1.835	1.966		53.6	50.0	7.0	20.0
n-Butylbenzene	Ave	1.434	1.521		53.0	50.0	6.0	20.0
1,2-Dichlorobenzene	Ave	1.637	1.619	0.4000	49.4	50.0	-1.0	20.0
1,2-Diethylbenzene	Ave	1.420	1.540		54.2	50.0	8.0	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2215	0.2361	0.0500	53.3	50.0	7.0	20.0
1,3,5-Trichlorobenzene	Ave	1.453	1.476		50.8	50.0	2.0	20.0
1,2,4-Trichlorobenzene	Ave	1.425	1.449	0.2000	50.8	50.0	2.0	20.0
Hexachlorobutadiene	Ave	0.6250	0.6480		51.8	50.0	4.0	20.0
Naphthalene	Ave	4.103	4.390		53.5	50.0	7.0	20.0
1,2,3-Trichlorobenzene	Ave	1.419	1.414		49.8	50.0	0.0	20.0
2-Methylnaphthalene	Ave	2.318	2.457		53.0	50.0	6.0	20.0
Dibromofluoromethane (Surr)	Ave	0.2509	0.2409		48.0	50.0	-4.0	
1,2-Dichloroethane-d4 (Surr)	Ave	0.0622	0.0624		50.2	50.0	0.0	
Toluene-d8 (Surr)	Ave	1.325	1.314		49.6	50.0	-1.0	
4-Bromofluorobenzene (Surr)	Ave	0.4747	0.4595		48.4	50.0	-3.0	

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X02.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 14-Oct-2025 09:59:28 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-003
Misc. Info.: CCVIS
Operator ID: clm27445 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub55

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 20:37:57 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 14-Oct-2025 10:48:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.885	1.885	0.000	99	486832	50.0	45.7	
5 Chloromethane	50	2.078	2.078	0.000	99	447143	50.0	47.0	
6 Butadiene	39	2.187	2.187	0.000	81	383059	50.0	47.1	
7 Vinyl chloride	62	2.187	2.187	0.000	98	425793	50.0	48.4	
9 Bromomethane	94	2.515	2.515	0.000	90	278240	50.0	46.7	
10 Chloroethane	64	2.579	2.579	0.000	100	241211	50.0	46.9	
11 Dichlorofluoromethane	67	2.817	2.817	0.000	97	640473	50.0	48.6	
12 Pentane	43	2.866	2.866	0.000	96	463261	50.0	47.4	
13 Trichlorofluoromethane	101	2.885	2.885	0.000	98	550724	50.0	47.1	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.200	3.200	0.000	91	350505	50.0	49.0	
17 Acrolein	56	3.245	3.245	0.000	100	785831	487.9	418.6	
18 1,1-Dichloroethene	96	3.383	3.383	0.000	98	250465	50.0	45.8	
19 Acetone	58	3.415	3.415	0.000	100	72341	100.0	89.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.444	3.444	0.000	89	260010	50.0	46.5	
22 Iodomethane	142	3.586	3.586	0.000	98	471354	50.0	45.0	
21 Isopropyl alcohol	45	3.618	3.618	0.000	41	142799	250.0	269.0	
23 Carbon disulfide	76	3.682	3.682	0.000	99	911723	50.0	46.6	
25 Methyl acetate	43	3.811	3.811	0.000	98	293470	50.0	51.1	
26 3-Chloro-1-propene	41	3.837	3.837	0.000	96	444530	50.0	48.7	
27 Methylene Chloride	84	4.023	4.023	0.000	92	300874	50.0	46.7	
* 28 t-Butyl alcohol-d10 (IS)	65	4.110	4.110	0.000	75	193326	250.0	250.0	
29 2-Methyl-2-propanol	59	4.210	4.210	0.000	96	209202	250.0	251.9	
30 Acrylonitrile	53	4.354	4.354	0.000	99	424413	125.0	124.7	
31 Methyl tert-butyl ether	73	4.412	4.412	0.000	96	824853	50.0	48.1	
32 trans-1,2-Dichloroethene	96	4.415	4.415	0.000	99	296492	50.0	46.9	
35 Hexane	57	4.849	4.849	0.000	93	387538	50.0	51.3	
36 1,1-Dichloroethane	63	5.094	5.094	0.000	96	493867	50.0	48.0	
38 Isopropyl ether	45	5.152	5.152	0.000	95	849267	50.0	50.3	
39 2-Chloro-1,3-butadiene	53	5.206	5.206	0.000	91	417556	50.0	50.3	
40 Tert-butyl ethyl ether	59	5.692	5.692	0.000	97	740285	50.0	49.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.939	5.939	0.000	98	264006	100.0	79.7	
42 cis-1,2-Dichloroethene	96	5.943	5.943	0.000	82	313756	50.0	46.8	
43 2,2-Dichloropropane	77	5.972	5.972	0.000	88	352752	50.0	49.3	
45 Propionitrile	54	6.029	6.029	0.000	99	323114	250.0	276.9	
48 Methacrylonitrile	67	6.238	6.238	0.000	93	399650	125.0	136.0	
49 Chlorobromomethane	128	6.274	6.274	0.000	94	165510	50.0	46.9	
50 Tetrahydrofuran	71	6.293	6.293	0.000	83	234697	250.0	254.6	
51 Chloroform	83	6.431	6.431	0.000	93	482472	50.0	47.6	
$ 52 Dibromofluoromethane (Surr)	113	6.647	6.647	0.000	94	253578	50.0	48.0	
53 1,1,1-Trichloroethane	97	6.660	6.660	0.000	98	409660	50.0	47.8	
54 Cyclohexane	56	6.750	6.750	0.000	90	496172	50.0	49.1	
56 Carbon tetrachloride	117	6.859	6.859	0.000	83	352776	50.0	49.3	
55 1,1-Dichloropropene	75	6.862	6.862	0.000	95	370811	50.0	49.8	
57 Isobutyl alcohol	41	7.078	7.078	0.000	90	153300	625.0	740.8	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.113	7.113	0.000	75	65719	50.0	50.2	
59 Benzene	78	7.132	7.132	0.000	96	1147354	50.0	49.1	
60 1,2-Dichloroethane	62	7.213	7.213	0.000	98	383485	50.0	49.1	
62 Tert-amyl methyl ether	73	7.325	7.325	0.000	95	712377	50.0	50.7	
* 63 Fluorobenzene (IS)	96	7.541	7.541	0.000	99	1052468	50.0	50.0	
64 n-Heptane	43	7.550	7.550	0.000	93	415973	50.0	52.3	
66 n-Butanol	56	7.968	7.968	0.000	96	90536	625.0	908.7	
67 Trichloroethene	95	8.020	8.020	0.000	96	286174	50.0	49.0	
69 Methylcyclohexane	83	8.322	8.322	0.000	91	545234	50.0	51.0	
70 1,2-Dichloropropane	63	8.361	8.361	0.000	90	273164	50.0	50.3	
71 2-ethoxy-2-methyl butane	87	8.367	8.367	0.000	91	368687	50.0	52.5	
72 Methyl methacrylate	69	8.454	8.454	0.000	92	192196	50.0	46.1	
73 1,4-Dioxane	88	8.460	8.460	0.000	33	40470	625.0	679.9	
74 Dibromomethane	93	8.470	8.470	0.000	92	176245	50.0	49.1	
76 Dichlorobromomethane	83	8.711	8.711	0.000	99	337069	50.0	49.7	
77 2-Nitropropane	41	9.000	9.000	0.000	98	416035	250.0	288.8	
78 2-Chloroethyl vinyl ether	63	9.081	9.081	0.000	92	156861	50.0	51.0	
79 cis-1,3-Dichloropropene	75	9.267	9.267	0.000	96	405963	50.0	54.2	
80 4-Methyl-2-pentanone (MIBK)	43	9.457	9.457	0.000	97	606970	100.0	87.7	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	1000040	50.0	49.6	
83 Toluene	92	9.656	9.656	0.000	98	687275	50.0	49.6	
95 trans-1,3-Dichloropropene	75	9.923	9.923	0.000	94	345454	50.0	55.6	
96 Ethyl methacrylate	69	9.994	9.994	0.000	89	354657	50.0	54.7	
118 1,1,2-Trichloroethane	97	10.132	10.132	0.000	90	242856	50.0	50.1	
119 Tetrachloroethene	166	10.206	10.206	0.000	98	322474	50.0	48.1	
120 1,3-Dichloropropane	76	10.293	10.293	0.000	92	384646	50.0	51.4	
122 2-Hexanone	43	10.357	10.357	0.000	97	368297	100.0	95.6	
124 Chlorodibromomethane	129	10.508	10.508	0.000	89	273382	50.0	52.5	
125 Ethylene Dibromide	107	10.614	10.614	0.000	98	231855	50.0	50.7	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	84	760970	50.0	50.0	
127 1-Chlorohexane	91	11.065	11.065	0.000	98	338411	50.0	49.1	
128 Chlorobenzene	112	11.077	11.077	0.000	96	757608	50.0	49.3	
132 1,1,1,2-Tetrachloroethane	131	11.164	11.164	0.000	94	296831	50.0	51.5	
133 Ethylbenzene	91	11.168	11.168	0.000	98	1342131	50.0	50.7	
135 m-Xylene & p-Xylene	106	11.283	11.283	0.000	100	1078879	100.0	101.8	
137 o-Xylene	106	11.611	11.611	0.000	96	567429	50.0	50.9	
138 Styrene	104	11.627	11.627	0.000	95	846534	50.0	52.2	
139 Bromoform	173	11.782	11.782	0.000	99	199916	50.0	52.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
140 Isopropylbenzene	105	11.913	11.913	0.000	95	1497298	50.0	52.8	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	95	349657	50.0	48.4	
146 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	96	437900	50.0	51.7	
147 Bromobenzene	156	12.171	12.171	0.000	91	354673	50.0	49.7	
148 trans-1,4-Dichloro-2-butene	53	12.190	12.190	0.000	89	260833	125.0	131.6	
149 1,2,3-Trichloropropane	110	12.209	12.209	0.000	84	135268	50.0	49.6	
150 N-Propylbenzene	91	12.241	12.241	0.000	98	1692249	50.0	52.5	
151 2-Chlorotoluene	126	12.315	12.315	0.000	97	356748	50.0	50.4	
152 1,3,5-Trimethylbenzene	105	12.380	12.380	0.000	94	1293849	50.0	54.2	
153 4-Chlorotoluene	126	12.409	12.409	0.000	97	338100	50.0	50.5	
155 tert-Butylbenzene	134	12.621	12.621	0.000	92	286453	50.0	53.8	
157 1,2,4-Trimethylbenzene	105	12.663	12.663	0.000	97	1330681	50.0	53.5	
158 sec-Butylbenzene	105	12.785	12.785	0.000	94	1685071	50.0	55.5	
159 1,3-Dichlorobenzene	146	12.881	12.881	0.000	99	734054	50.0	50.6	
160 4-Isopropyltoluene	119	12.891	12.891	0.000	97	1513387	50.0	55.8	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	470905	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.955	12.955	0.000	96	726211	50.0	49.6	
163 1,2,3-Trimethylbenzene	105	12.965	12.965	0.000	98	1364677	50.0	52.6	
165 Benzyl chloride	91	13.032	13.032	0.000	98	798666	50.0	51.5	
166 1,3-Diethylbenzene	119	13.090	13.090	0.000	95	841920	50.0	53.8	
167 p-Diethylbenzene	119	13.164	13.164	0.000	94	925647	50.0	53.6	
168 n-Butylbenzene	92	13.183	13.183	0.000	97	716222	50.0	53.0	
169 1,2-Dichlorobenzene	146	13.212	13.212	0.000	99	762208	50.0	49.4	
170 o-diethylbenzene	119	13.235	13.235	0.000	94	725111	50.0	54.2	
172 1,2-Dibromo-3-Chloropropane	75	13.756	13.756	0.000	89	111189	50.0	53.3	
173 1,3,5-Trichlorobenzene	180	13.878	13.878	0.000	98	694899	50.0	50.8	
174 1,2,4-Trichlorobenzene	180	14.302	14.302	0.000	94	682487	50.0	50.8	
176 Hexachlorobutadiene	225	14.383	14.383	0.000	94	305136	50.0	51.8	
177 Naphthalene	128	14.482	14.482	0.000	96	2067077	50.0	53.5	
178 1,2,3-Trichlorobenzene	180	14.624	14.624	0.000	96	666078	50.0	49.8	
179 2-Methylnaphthalene	142	15.235	15.235	0.000	95	1156854	50.0	53.0	

QC Flag Legend

Processing Flags

Reagents:

MSV_CCV_VOC#1_00257	Amount Added:	5.00	Units: uL	
MSV_CCV_2CEVE_00250	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#3_00259	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_01122	Amount Added:	2.50	Units: uL	
MSV_HP23_ISSS_00017	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 14-Oct-2025 20:37:58 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X02.D

Injection Date: 14-Oct-2025 09:59:28 Instrument ID: 9915 Operator ID: clm27445

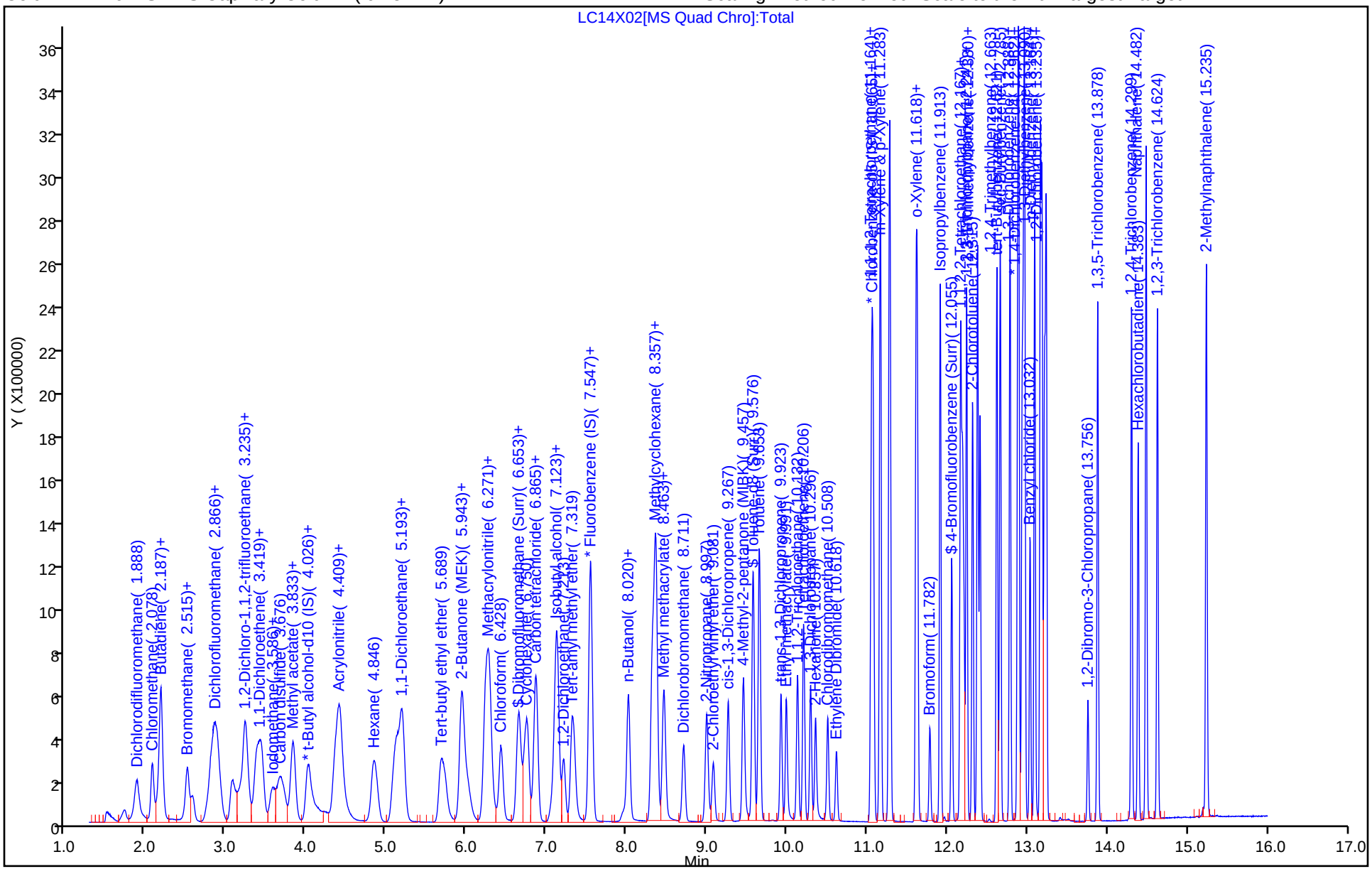
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSVoa_9915a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: CCVIS 410-714809/3 Calibration Date: 10/16/2025 08:44

Instrument ID: 9915 Calib Start Date: 10/13/2025 17:45

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/13/2025 19:59

Lab File ID: LC16X02.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	0.5063	0.3855	0.1000	38.1	50.0	-24.0*	20.0
Chloromethane	Ave	0.4523	0.3759	0.1000	41.5	50.0	-17.0	20.0
1,3-Butadiene	Ave	0.3867	0.3530		45.6	50.0	-9.0	20.0
Vinyl chloride	Ave	0.4183	0.3495	0.1000	41.8	50.0	-16.0	20.0
Bromomethane	Ave	0.2828	0.2326	0.1000	41.1	50.0	-18.0	20.0
Chloroethane	Ave	0.2442	0.2056	0.1000	42.1	50.0	-16.0	20.0
Dichlorofluoromethane	Ave	0.6258	0.5648		45.1	50.0	-10.0	20.0
n-Pentane	Ave	0.4648	0.4047		43.5	50.0	-13.0	20.0
Trichlorofluoromethane	Ave	0.5554	0.4636	0.1000	41.7	50.0	-17.0	20.0
Ethyl ether	Ave	0.2214	0.2036		46.0	50.0	-8.0	20.0
Freon 123a	Ave	0.3402	0.3050		44.8	50.0	-10.0	20.0
Acrolein	Ave	2.427	2.164		435	488	-11.0	20.0
1,1-Dichloroethene	Ave	0.2600	0.2114	0.1000	40.7	50.0	-19.0	20.0
Acetone	Ave	1.046	0.999	0.1000	95.5	100	-5.0	20.0
Freon 113	Ave	0.2654	0.2309	0.1000	43.5	50.0	-13.0	20.0
2-Propanol	Ave	0.6866	0.6915		252	250	1.0	20.0
Methyl iodide	Ave	0.4972	0.4048		40.7	50.0	-19.0	20.0
Carbon disulfide	Ave	0.9286	0.7859	0.1000	42.3	50.0	-15.0	20.0
Methyl acetate	Ave	0.2726	0.2788	0.1000	51.1	50.0	2.0	20.0
Allyl chloride	Ave	0.4333	0.3931		45.4	50.0	-9.0	20.0
Methylene Chloride	Ave	0.3062	0.2653	0.1000	43.3	50.0	-13.0	20.0
t-Butyl alcohol	Ave	1.074	1.217		283	250	13.0	20.0
Acrylonitrile	Ave	0.1616	0.1594		123	125	-1.0	20.0
Methyl tert-butyl ether	Ave	0.8154	0.7433	0.1000	45.6	50.0	-9.0	20.0
trans-1,2-Dichloroethene	Ave	0.3005	0.2560	0.1000	42.6	50.0	-15.0	20.0
n-Hexane	Ave	0.3592	0.3558		49.5	50.0	-1.0	20.0
1,1-Dichloroethane	Ave	0.4886	0.4398	0.2000	45.0	50.0	-10.0	20.0
Isopropyl ether	Ave	0.8021	0.7759		48.4	50.0	-3.0	20.0
2-Chloro-1,3-butadiene	Ave	0.3943	0.3624		46.0	50.0	-8.0	20.0
Ethyl t-butyl ether	Ave	0.7180	0.6805		47.4	50.0	-5.0	20.0
2-Butanone (MEK)	Ave	0.1573	0.1516	0.1000	96.4	100	-4.0	20.0
cis-1,2-Dichloroethene	Ave	0.3182	0.2763	0.1000	43.4	50.0	-13.0	20.0
2,2-Dichloropropane	Ave	0.3399	0.3331		49.0	50.0	-2.0	20.0
Propionitrile	Ave	1.509	1.586		263	250	5.0	20.0
Methacrylonitrile	Ave	0.1396	0.1484		133	125	6.0	20.0
Bromochloromethane	Ave	0.1676	0.1433		42.7	50.0	-15.0	20.0
Tetrahydrofuran	Lin		1.140		239	250	-4.0	20.0
Chloroform	Ave	0.4817	0.4296	0.2000	44.6	50.0	-11.0	20.0
1,1,1-Trichloroethane	Ave	0.4074	0.3699	0.1000	45.4	50.0	-9.0	20.0
Cyclohexane	Ave	0.4804	0.4544	0.1000	47.3	50.0	-5.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: CCVIS 410-714809/3 Calibration Date: 10/16/2025 08:44

Instrument ID: 9915 Calib Start Date: 10/13/2025 17:45

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/13/2025 19:59

Lab File ID: LC16X02.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	0.3401	0.3207	0.1000	47.1	50.0	-6.0	20.0
1,1-Dichloropropene	Ave	0.3539	0.3211		45.4	50.0	-9.0	20.0
Isobutyl alcohol	Ave	0.2676	0.3130		731	625	17.0	20.0
Benzene	Ave	1.110	1.021	0.5000	46.0	50.0	-8.0	20.0
1,2-Dichloroethane	Ave	0.3713	0.3473	0.1000	46.8	50.0	-6.0	20.0
t-Amyl methyl ether	Ave	0.6675	0.6664		49.9	50.0	0.0	20.0
n-Heptane	Ave	0.3776	0.3961		52.4	50.0	5.0	20.0
n-Butanol	Ave	0.1288	0.1797		872	625	39.0*	20.0
Trichloroethene	Ave	0.2776	0.2501	0.2000	45.0	50.0	-10.0	20.0
Methylcyclohexane	Ave	0.5084	0.5021	0.1000	49.4	50.0	-1.0	20.0
1,2-Dichloropropane	Ave	0.2578	0.2479	0.1000	48.1	50.0	-4.0	20.0
t-Amyl ethyl ether	Ave	0.3333	0.3483		52.2	50.0	4.0	20.0
Methyl methacrylate	Lin1		0.1674		42.5	50.0	-15.0	20.0
1,4-Dioxane	Ave	0.0770	0.0823	0.0050	668	625	7.0	20.0
Dibromomethane	Ave	0.1705	0.1582		46.4	50.0	-7.0	20.0
Bromodichloromethane	Ave	0.3222	0.3040	0.2000	47.2	50.0	-6.0	20.0
2-Nitropropane	Lin1		2.162		290	250	16.0	20.0
2-Chloroethyl vinyl ether	Ave	0.1461	0.1504		51.5	50.0	3.0	20.0
cis-1,3-Dichloropropene	Ave	0.3559	0.3615	0.2000	50.8	50.0	2.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3287	0.3470	0.1000	106	100	6.0	20.0
Toluene	Ave	0.9111	0.8597	0.4000	47.2	50.0	-6.0	20.0
trans-1,3-Dichloropropene	Ave	0.4080	0.4386	0.1000	53.8	50.0	8.0	20.0
Ethyl methacrylate	Ave	0.4258	0.4473		52.5	50.0	5.0	20.0
1,1,2-Trichloroethane	Ave	0.3184	0.3084	0.1000	48.4	50.0	-3.0	20.0
Tetrachloroethene	Ave	0.4403	0.3965	0.2000	45.0	50.0	-10.0	20.0
1,3-Dichloropropane	Ave	0.4912	0.4869		49.6	50.0	-1.0	20.0
2-Hexanone	Ave	0.2532	0.2811	0.1000	111	100	11.0	20.0
Dibromochloromethane	Ave	0.3422	0.3399		49.7	50.0	-1.0	20.0
1,2-Dibromoethane (EDB)	Ave	0.3006	0.2937	0.1000	48.8	50.0	-2.0	20.0
1-Chlorohexane	Ave	0.4529	0.4226		46.6	50.0	-7.0	20.0
Chlorobenzene	Ave	1.010	0.9289	0.5000	46.0	50.0	-8.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3783	0.3798		50.2	50.0	0.0	20.0
Ethylbenzene	Ave	1.740	1.676	0.1000	48.2	50.0	-4.0	20.0
m&p-Xylene	Ave	0.6960	0.6741	0.1000	96.9	100	-3.0	20.0
o-Xylene	Ave	0.7324	0.7129	0.3000	48.7	50.0	-3.0	20.0
Styrene	Ave	1.065	1.043	0.3000	48.9	50.0	-2.0	20.0
Bromoform	Ave	0.2513	0.2469	0.1000	49.1	50.0	-2.0	20.0
Isopropylbenzene	Ave	1.864	1.925	0.1000	51.6	50.0	3.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8987	0.9064	0.3000	50.4	50.0	1.0	20.0
Bromobenzene	Ave	0.7571	0.6984		46.1	50.0	-8.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Lab Sample ID: CCVIS 410-714809/3 Calibration Date: 10/16/2025 08:44

Instrument ID: 9915 Calib Start Date: 10/13/2025 17:45

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/13/2025 19:59

Lab File ID: LC16X02.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	0.2105	0.2108		125	125	0.0	20.0
1,2,3-Trichloropropane	Ave	0.2895	0.2794		48.2	50.0	-4.0	20.0
N-Propylbenzene	Ave	3.420	3.448		50.4	50.0	1.0	20.0
2-Chlorotoluene	Ave	0.7520	0.7127		47.4	50.0	-5.0	20.0
1,3,5-Trimethylbenzene	Ave	2.534	2.656		52.4	50.0	5.0	20.0
4-Chlorotoluene	Ave	0.7104	0.6720		47.3	50.0	-5.0	20.0
tert-Butylbenzene	Ave	0.5656	0.5847		51.7	50.0	3.0	20.0
1,2,4-Trimethylbenzene	Ave	2.639	2.728		51.7	50.0	3.0	20.0
sec-Butylbenzene	Ave	3.225	3.505		54.3	50.0	9.0	20.0
1,3-Dichlorobenzene	Ave	1.541	1.480	0.6000	48.0	50.0	-4.0	20.0
p-Isopropyltoluene	Ave	2.880	3.112		54.0	50.0	8.0	20.0
1,4-Dichlorobenzene	Ave	1.553	1.456	0.5000	46.9	50.0	-6.0	20.0
1,2,3-Trimethylbenzene	Ave	2.755	2.816		51.1	50.0	2.0	20.0
Benzyl chloride	Lin		1.749		53.0	50.0	6.0	20.0
1,3-Diethylbenzene	Ave	1.661	1.728		52.0	50.0	4.0	20.0
1,4-Diethylbenzene	Ave	1.835	1.903		51.9	50.0	4.0	20.0
n-Butylbenzene	Ave	1.434	1.496		52.2	50.0	4.0	20.0
1,2-Dichlorobenzene	Ave	1.637	1.550	0.4000	47.4	50.0	-5.0	20.0
1,2-Diethylbenzene	Ave	1.420	1.509		53.1	50.0	6.0	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2215	0.2348	0.0500	53.0	50.0	6.0	20.0
1,3,5-Trichlorobenzene	Ave	1.453	1.425		49.0	50.0	-2.0	20.0
1,2,4-Trichlorobenzene	Ave	1.425	1.403	0.2000	49.2	50.0	-2.0	20.0
Hexachlorobutadiene	Ave	0.6250	0.6258		50.1	50.0	0.0	20.0
Naphthalene	Ave	4.103	4.320		52.6	50.0	5.0	20.0
1,2,3-Trichlorobenzene	Ave	1.419	1.387		48.8	50.0	-2.0	20.0
2-Methylnaphthalene	Ave	2.318	2.413		52.1	50.0	4.0	20.0
Dibromofluoromethane (Surr)	Ave	0.2509	0.2412		48.1	50.0	-4.0	
1,2-Dichloroethane-d4 (Surr)	Ave	0.0622	0.0626		50.3	50.0	1.0	
Toluene-d8 (Surr)	Ave	1.325	1.331		50.2	50.0	0.0	
4-Bromofluorobenzene (Surr)	Ave	0.4747	0.4657		49.1	50.0	-2.0	

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X02.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 16-Oct-2025 08:44:53 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163364-003
Misc. Info.: CCVIS
Operator ID: clm27445 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub56

Method: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Oct-2025 09:22:05 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 16-Oct-2025 09:21:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.872	1.872	0.000	99	392215	50.0	38.1	
5 Chloromethane	50	2.065	2.065	0.000	100	382383	50.0	41.5	
6 Butadiene	39	2.168	2.168	0.000	87	359123	50.0	45.6	
7 Vinyl chloride	62	2.174	2.174	0.000	98	355533	50.0	41.8	
9 Bromomethane	94	2.502	2.502	0.000	89	236638	50.0	41.1	
10 Chloroethane	64	2.560	2.560	0.000	100	209180	50.0	42.1	
11 Dichlorofluoromethane	67	2.808	2.808	0.000	97	574603	50.0	45.1	
12 Pentane	43	2.853	2.853	0.000	96	411688	50.0	43.5	
13 Trichlorofluoromethane	101	2.878	2.878	0.000	96	471658	50.0	41.7	
15 Ethyl ether	59	3.062	3.062	0.000	93	207160	50.0	46.0	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.181	3.181	0.000	92	310306	50.0	44.8	
17 Acrolein	56	3.229	3.229	0.000	100	857080	487.9	434.9	
18 1,1-Dichloroethene	96	3.367	3.367	0.000	97	215071	50.0	40.7	
19 Acetone	58	3.406	3.406	0.000	100	81086	100.0	95.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.425	3.425	0.000	91	234903	50.0	43.5	
21 Isopropyl alcohol	45	3.582	3.582	0.000	39	140346	250.0	251.8	
22 Iodomethane	142	3.586	3.586	0.000	99	411854	50.0	40.7	
23 Carbon disulfide	76	3.672	3.672	0.000	99	799541	50.0	42.3	
25 Methyl acetate	43	3.795	3.795	0.000	98	283611	50.0	51.1	
26 3-Chloro-1-propene	41	3.827	3.827	0.000	90	399951	50.0	45.4	
27 Methylene Chloride	84	4.013	4.013	0.000	92	269922	50.0	43.3	
* 28 t-Butyl alcohol-d10 (IS)	65	4.081	4.081	0.000	90	202956	250.0	250.0	
29 2-Methyl-2-propanol	59	4.203	4.203	0.000	95	246947	250.0	283.2	
30 Acrylonitrile	53	4.344	4.344	0.000	100	405286	125.0	123.2	
31 Methyl tert-butyl ether	73	4.386	4.386	0.000	91	756158	50.0	45.6	
32 trans-1,2-Dichloroethene	96	4.402	4.402	0.000	99	260487	50.0	42.6	
35 Hexane	57	4.836	4.836	0.000	94	361987	50.0	49.5	
36 1,1-Dichloroethane	63	5.081	5.081	0.000	97	447459	50.0	45.0	
38 Isopropyl ether	45	5.139	5.139	0.000	96	789315	50.0	48.4	
39 2-Chloro-1,3-butadiene	53	5.190	5.190	0.000	93	368699	50.0	46.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.679	5.679	0.000	97	692294	50.0	47.4	
41 2-Butanone (MEK)	43	5.923	5.923	0.000	100	308461	100.0	96.4	
42 cis-1,2-Dichloroethene	96	5.930	5.930	0.000	82	281051	50.0	43.4	
43 2,2-Dichloropropane	77	5.959	5.959	0.000	89	338878	50.0	49.0	
45 Propionitrile	54	6.020	6.020	0.000	99	321916	250.0	262.7	
48 Methacrylonitrile	67	6.229	6.229	0.000	93	377428	125.0	132.9	
49 Chlorobromomethane	128	6.267	6.267	0.000	95	145765	50.0	42.7	
50 Tetrahydrofuran	71	6.283	6.283	0.000	83	231401	250.0	239.2	
51 Chloroform	83	6.428	6.428	0.000	93	437076	50.0	44.6	
$ 52 Dibromofluoromethane (Surr)	113	6.647	6.647	0.000	95	245387	50.0	48.1	
53 1,1,1-Trichloroethane	97	6.647	6.647	0.000	97	376340	50.0	45.4	
54 Cyclohexane	56	6.746	6.746	0.000	91	462283	50.0	47.3	
56 Carbon tetrachloride	117	6.859	6.859	0.000	95	326278	50.0	47.1	
55 1,1-Dichloropropene	75	6.862	6.862	0.000	96	326615	50.0	45.4	
57 Isobutyl alcohol	41	7.071	7.071	0.000	90	158823	625.0	731.0	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.100	7.100	0.000	82	63645	50.0	50.3	
59 Benzene	78	7.126	7.126	0.000	97	1038618	50.0	46.0	
60 1,2-Dichloroethane	62	7.209	7.209	0.000	97	353305	50.0	46.8	
62 Tert-amyl methyl ether	73	7.319	7.319	0.000	96	677967	50.0	49.9	
* 63 Fluorobenzene (IS)	96	7.537	7.537	0.000	99	1017330	50.0	50.0	
64 n-Heptane	43	7.547	7.547	0.000	94	402925	50.0	52.4	
66 n-Butanol	56	7.955	7.955	0.000	94	91184	625.0	871.8	
67 Trichloroethene	95	8.013	8.013	0.000	98	254411	50.0	45.0	
69 Methylcyclohexane	83	8.315	8.315	0.000	91	510775	50.0	49.4	
70 1,2-Dichloropropane	63	8.354	8.354	0.000	95	252236	50.0	48.1	
71 2-ethoxy-2-methyl butane	87	8.364	8.364	0.000	90	354312	50.0	52.2	
72 Methyl methacrylate	69	8.447	8.447	0.000	93	170264	50.0	42.5	
73 1,4-Dioxane	88	8.457	8.457	0.000	35	41761	625.0	668.3	
74 Dibromomethane	93	8.467	8.467	0.000	92	160972	50.0	46.4	
76 Dichlorobromomethane	83	8.704	8.704	0.000	99	309261	50.0	47.2	
77 2-Nitropropane	41	8.991	8.991	0.000	99	438707	250.0	290.0	
78 2-Chloroethyl vinyl ether	63	9.074	9.074	0.000	92	153006	50.0	51.5	
79 cis-1,3-Dichloropropene	75	9.261	9.261	0.000	96	367802	50.0	50.8	
80 4-Methyl-2-pentanone (MIBK)	43	9.454	9.454	0.000	97	706027	100.0	105.6	
$ 82 Toluene-d8 (Surr)	98	9.573	9.573	0.000	93	955146	50.0	50.2	
83 Toluene	92	9.653	9.653	0.000	98	616990	50.0	47.2	
95 trans-1,3-Dichloropropene	75	9.923	9.923	0.000	94	314789	50.0	53.8	
96 Ethyl methacrylate	69	9.987	9.987	0.000	90	320969	50.0	52.5	
118 1,1,2-Trichloroethane	97	10.129	10.129	0.000	91	221303	50.0	48.4	
119 Tetrachloroethene	166	10.206	10.206	0.000	98	284512	50.0	45.0	
120 1,3-Dichloropropane	76	10.293	10.293	0.000	93	349385	50.0	49.6	
122 2-Hexanone	43	10.354	10.354	0.000	97	403427	100.0	111.0	
124 Chlorodibromomethane	129	10.508	10.508	0.000	89	243950	50.0	49.7	
125 Ethylene Dibromide	107	10.618	10.618	0.000	98	210738	50.0	48.8	
* 126 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	85	717644	50.0	50.0	
127 1-Chlorohexane	91	11.064	11.064	0.000	98	303258	50.0	46.6	
128 Chlorobenzene	112	11.077	11.077	0.000	95	666632	50.0	46.0	
132 1,1,1,2-Tetrachloroethane	131	11.161	11.161	0.000	95	272596	50.0	50.2	
133 Ethylbenzene	91	11.164	11.164	0.000	99	1203099	50.0	48.2	
135 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	967536	100.0	96.9	
137 o-Xylene	106	11.611	11.611	0.000	96	511623	50.0	48.7	
138 Styrene	104	11.627	11.627	0.000	95	748253	50.0	48.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
139 Bromoform	173	11.781	11.781	0.000	99	177196	50.0	49.1	
140 Isopropylbenzene	105	11.913	11.913	0.000	95	1381307	50.0	51.6	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	94	334216	50.0	49.1	
146 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	96	409155	50.0	50.4	
147 Bromobenzene	156	12.171	12.171	0.000	91	315275	50.0	46.1	
148 trans-1,4-Dichloro-2-butene	53	12.190	12.190	0.000	88	237849	125.0	125.2	
149 1,2,3-Trichloropropane	110	12.209	12.209	0.000	85	126113	50.0	48.2	
150 N-Propylbenzene	91	12.241	12.241	0.000	99	1556601	50.0	50.4	
151 2-Chlorotoluene	126	12.315	12.315	0.000	97	321695	50.0	47.4	
152 1,3,5-Trimethylbenzene	105	12.376	12.376	0.000	94	1199019	50.0	52.4	
153 4-Chlorotoluene	126	12.408	12.408	0.000	97	303320	50.0	47.3	
155 tert-Butylbenzene	134	12.621	12.621	0.000	92	263920	50.0	51.7	
157 1,2,4-Trimethylbenzene	105	12.662	12.662	0.000	97	1231396	50.0	51.7	
158 sec-Butylbenzene	105	12.781	12.781	0.000	94	1582292	50.0	54.3	
159 1,3-Dichlorobenzene	146	12.881	12.881	0.000	99	667961	50.0	48.0	
160 4-Isopropyltoluene	119	12.891	12.891	0.000	97	1404692	50.0	54.0	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	451401	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.955	12.955	0.000	96	657180	50.0	46.9	
163 1,2,3-Trimethylbenzene	105	12.965	12.965	0.000	98	1271260	50.0	51.1	
165 Benzyl chloride	91	13.032	13.032	0.000	98	789610	50.0	53.0	
166 1,3-Diethylbenzene	119	13.090	13.090	0.000	95	780155	50.0	52.0	
167 p-Diethylbenzene	119	13.164	13.164	0.000	96	859234	50.0	51.9	
168 n-Butylbenzene	92	13.183	13.183	0.000	97	675387	50.0	52.2	
169 1,2-Dichlorobenzene	146	13.212	13.212	0.000	99	699736	50.0	47.4	
170 o-diethylbenzene	119	13.235	13.235	0.000	94	681285	50.0	53.1	
172 1,2-Dibromo-3-Chloropropane	75	13.756	13.756	0.000	87	105993	50.0	53.0	
173 1,3,5-Trichlorobenzene	180	13.878	13.878	0.000	98	643186	50.0	49.0	
174 1,2,4-Trichlorobenzene	180	14.302	14.302	0.000	94	633442	50.0	49.2	
176 Hexachlorobutadiene	225	14.383	14.383	0.000	95	282506	50.0	50.1	
177 Naphthalene	128	14.482	14.482	0.000	96	1950022	50.0	52.6	
178 1,2,3-Trichlorobenzene	180	14.624	14.624	0.000	96	625932	50.0	48.8	
179 2-Methylnaphthalene	142	15.235	15.235	0.000	93	1089361	50.0	52.1	

QC Flag Legend

Processing Flags

Reagents:

MSV_CCV_VOC#1_00257	Amount Added:	5.00	Units: uL	
MSV_CCV_2CEVE_00250	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#3_00259	Amount Added:	4.00	Units: uL	
MSV_CCV_EE_00009	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_01120	Amount Added:	2.50	Units: uL	
MSV_HP23_ISSS_00017	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 16-Oct-2025 09:22:05 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X02.D

Injection Date: 16-Oct-2025 08:44:53 Instrument ID: 9915 Operator ID: clm27445

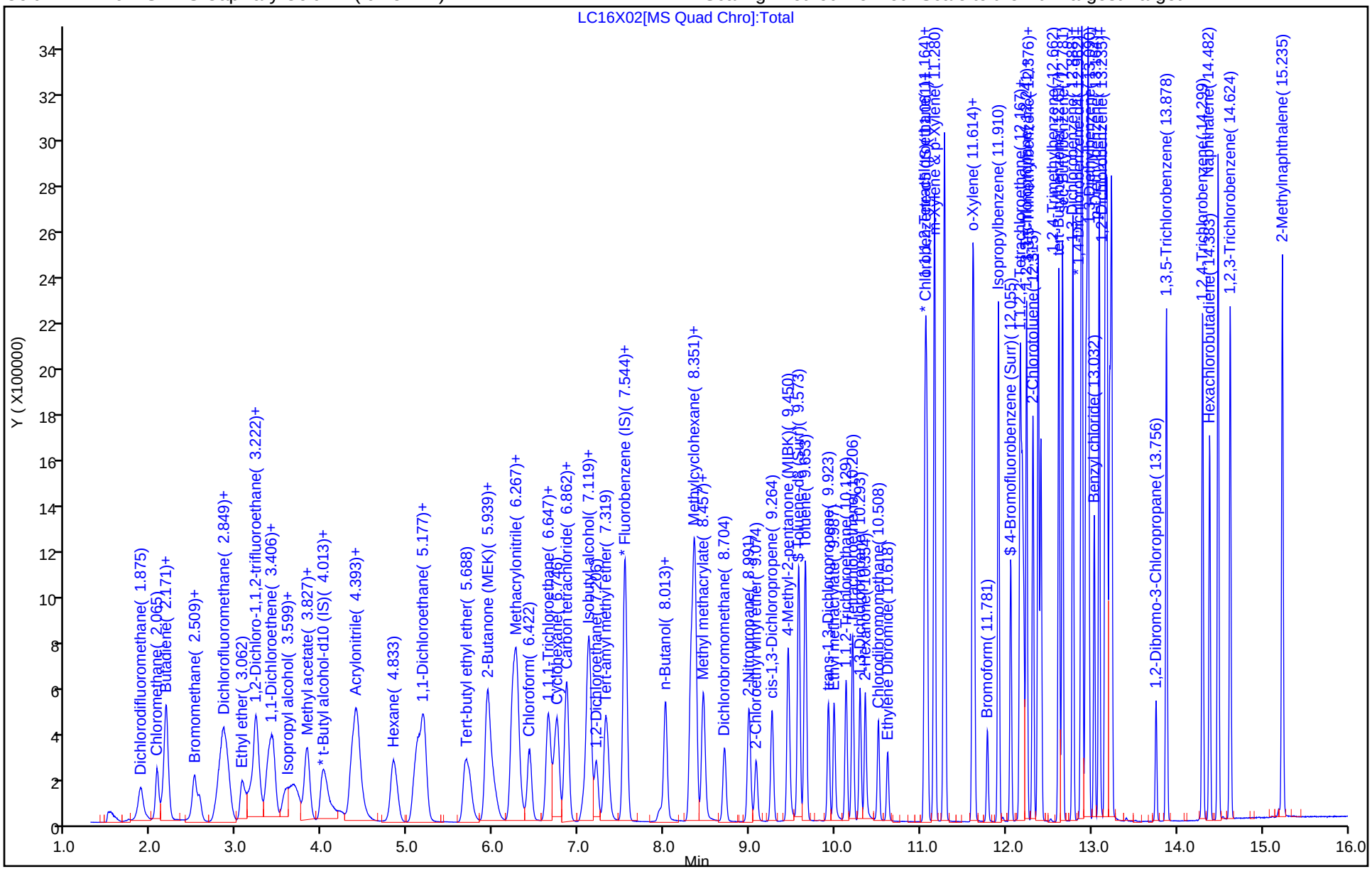
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSVoa_9915a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22T01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 22-Sep-2025 14:37:48 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0160533-001
Misc. Info.: BFB
Operator ID: kas02648 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 23-Sep-2025 05:03:15 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 30 BFB	95	4.880	4.880	0.000	0	332171	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

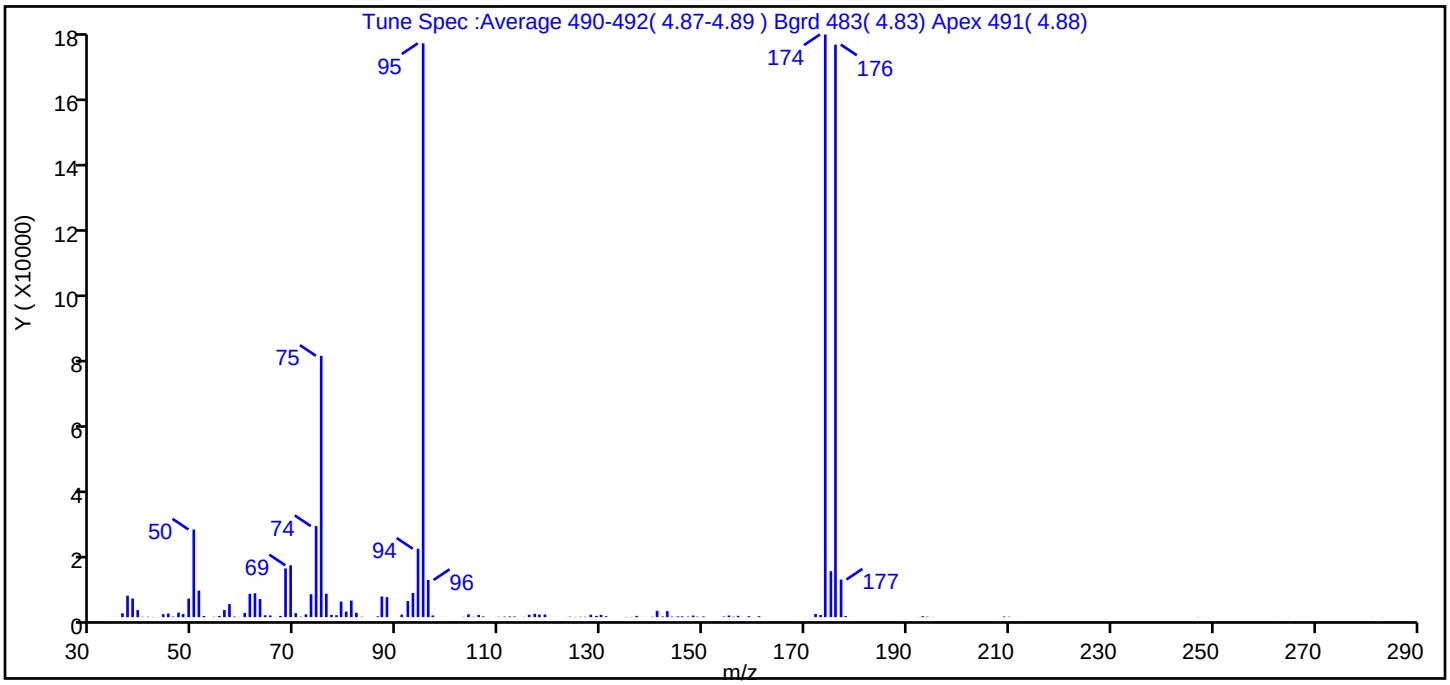
MSV_V_BFB_00019 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22T01.D				
Injection Date:	22-Sep-2025 14:37:48	Instrument ID:	7159		
Lims ID:	bfb				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Tune Method:	BFB Method 8260				

$ 30 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.3
75	30 to 60% of m/z 95	45.5
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.4 (0.4)
174	50 to 120% of m/z 95	101.5
175	5 to 9% of m/z 174	8.0 (7.9)
176	Greater than 95% but less than 101% of m/z 174	99.8 (98.3)
177	5 to 9% of m/z 176	6.5 (6.6)

Data File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22T01.D\MSVoa_7159.rslt\spectra.d
Injection Date: 22-Sep-2025 14:37:48
Spectrum: Tune Spec :Average 490-492(4.87-4.89) Bgrd 483(4.83) Apex 491(4.88)
Base Peak: 173.90
Minimum % Base Peak: 0
Number of Points: 130

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1144	70.00	1182	111.00	161	153.00	1
37.00	6379	71.00	135	112.00	197	154.00	171
38.00	5527	72.00	831	113.00	203	155.00	471
39.00	2090	73.00	6807	115.00	67	156.00	120
40.00	88	74.00	27016	116.00	711	157.00	379
41.00	122	75.00	77536	117.00	992	158.00	18
42.00	64	76.00	6947	118.00	744	159.00	282
43.00	12	77.00	643	119.00	777	161.00	280
44.00	880	78.00	578	122.00	17	171.00	21
45.00	1071	79.00	4628	123.00	25	172.00	962
46.00	167	80.00	1654	124.00	130	173.00	634
47.00	1354	81.00	4918	125.00	73	174.00	172864
48.00	918	82.00	1276	126.00	103	175.00	13643
49.00	5514	83.00	111	127.00	105	176.00	169856
50.00	26000	84.00	19	128.00	709	177.00	11147
51.00	7881	85.00	10	129.00	375	178.00	328
52.00	354	86.00	244	130.00	684	192.00	36
54.00	94	87.00	6138	131.00	277	193.00	276
55.00	354	88.00	5917	135.00	72	194.00	141
56.00	2105	91.00	742	136.00	72	195.00	53
57.00	3886	92.00	4778	137.00	379	207.00	6
58.00	175	93.00	7162	140.00	26	209.00	198
59.00	58	94.00	20304	140.00	111	210.00	117
60.00	1249	95.00	170240	141.00	1871	247.00	53
61.00	6939	96.00	11027	142.00	191	249.00	20
62.00	7069	97.00	494	143.00	1777	262.00	17
63.00	5370	103.00	73	144.00	146	265.00	30
64.00	566	104.00	837	145.00	239	267.00	5
65.00	506	105.00	89	146.00	237	268.00	17
66.00	21	106.00	669	147.00	153	281.00	33
67.00	370	107.00	212	148.00	468	283.00	37
68.00	14466	109.00	27	149.00	141		
69.00	15374	110.00	95	150.00	217		

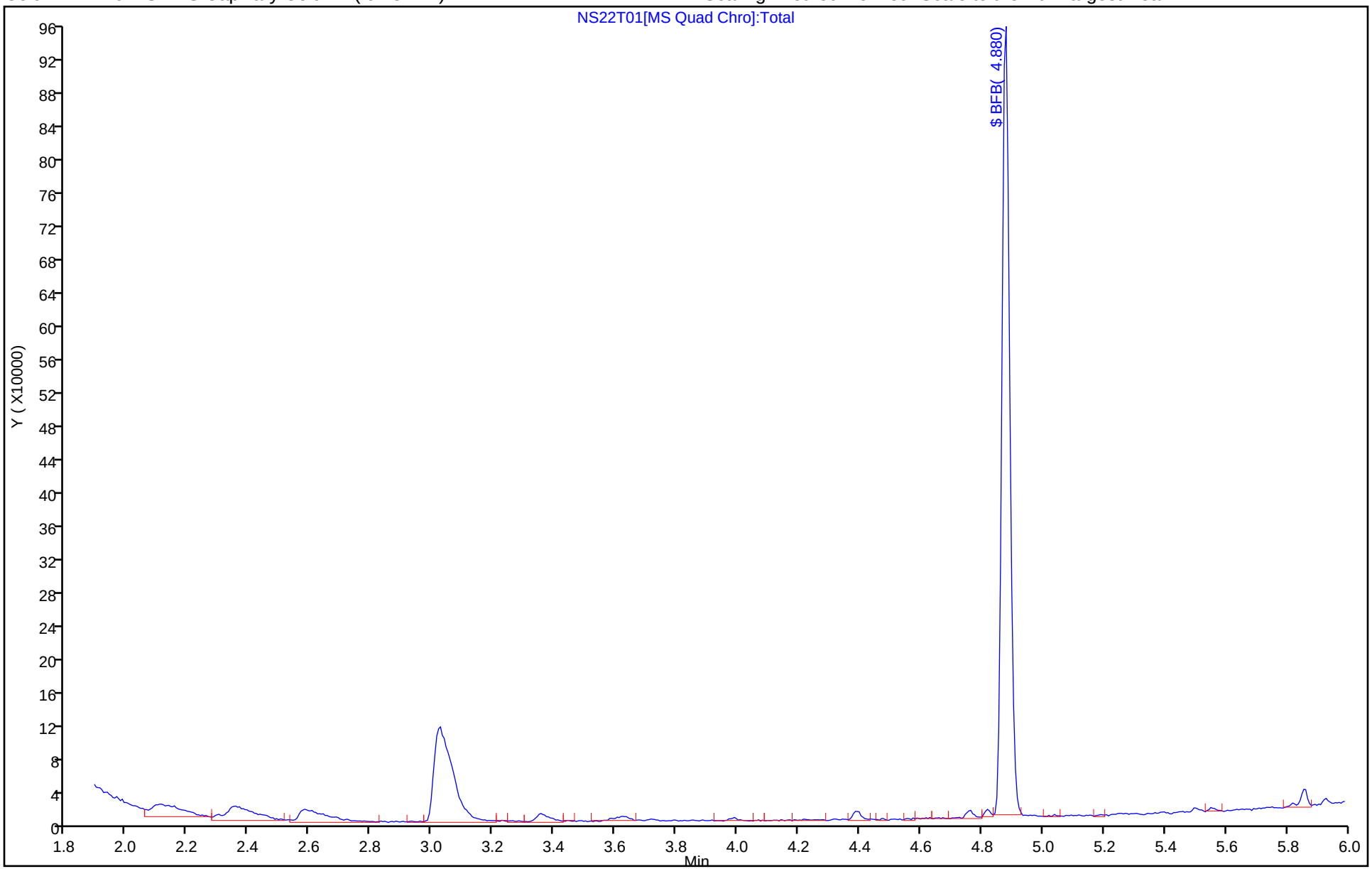
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1144	70.00	1182	111.00	161	153.00	1
37.00	6379	71.00	135	112.00	197	154.00	171
38.00	5527	72.00	831	113.00	203	155.00	471
39.00	2090	73.00	6807	115.00	67	156.00	120
40.00	88	74.00	27016	116.00	711	157.00	379
41.00	122	75.00	77536	117.00	992	158.00	18
42.00	64	76.00	6947	118.00	744	159.00	282
43.00	12	77.00	643	119.00	777	161.00	280
44.00	880	78.00	578	122.00	17	171.00	21
45.00	1071	79.00	4628	123.00	25	172.00	962
46.00	167	80.00	1654	124.00	130	173.00	634
47.00	1354	81.00	4918	125.00	73	174.00	172864
48.00	918	82.00	1276	126.00	103	175.00	13643
49.00	5514	83.00	111	127.00	105	176.00	169856
50.00	26000	84.00	19	128.00	709	177.00	11147
51.00	7881	85.00	10	129.00	375	178.00	328
52.00	354	86.00	244	130.00	684	192.00	36
54.00	94	87.00	6138	131.00	277	193.00	276
55.00	354	88.00	5917	135.00	72	194.00	141
56.00	2105	91.00	742	136.00	72	195.00	53
57.00	3886	92.00	4778	137.00	379	207.00	6
58.00	175	93.00	7162	140.00	26	209.00	198
59.00	58	94.00	20304	140.00	111	210.00	117
60.00	1249	95.00	170240	141.00	1871	247.00	53
61.00	6939	96.00	11027	142.00	191	249.00	20
62.00	7069	97.00	494	143.00	1777	262.00	17
63.00	5370	103.00	73	144.00	146	265.00	30
64.00	566	104.00	837	145.00	239	267.00	5
65.00	506	105.00	89	146.00	237	268.00	17
66.00	21	106.00	669	147.00	153	281.00	33
67.00	370	107.00	212	148.00	468	283.00	37
68.00	14466	109.00	27	149.00	141		
69.00	15374	110.00	95	150.00	217		

Report Date: 23-Sep-2025 05:03:16 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22T01.D				
Injection Date:	22-Sep-2025 14:37:48	Instrument ID:	7159	Operator ID:	kas02648
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13T04.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 13-Oct-2025 10:15:07 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0162929-001
Misc. Info.: BFB
Operator ID: knk41612 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 13-Oct-2025 14:11:25 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

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

First Level Reviewer: DVW2 Date: 13-Oct-2025 10:30:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 30 BFB	95	4.899	4.899	0.000	0	967134	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

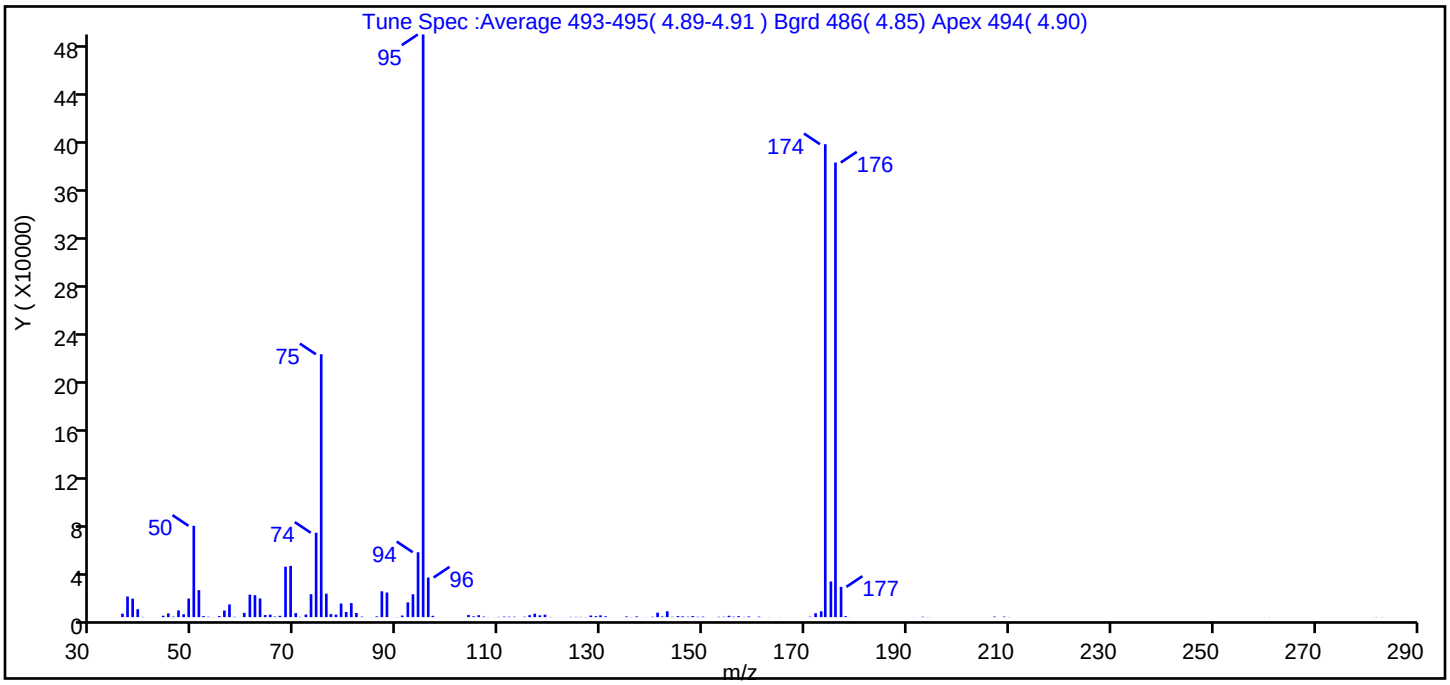
MSV_V_BFB_00019 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13T04.D				
Injection Date:	13-Oct-2025 10:15:07	Instrument ID:	7159		
Lims ID:	BFB				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Tune Method:	BFB Method 8260				

$ 30 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.7
75	30 to 60% of m/z 95	45.1
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	1.0 (1.2)
174	50 to 120% of m/z 95	81.2
175	5 to 9% of m/z 174	6.1 (7.6)
176	Greater than 95% but less than 101% of m/z 174	78.0 (96.1)
177	5 to 9% of m/z 176	5.2 (6.7)

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13T04.D\MSVoa_7159.rslt\spectra.d
Injection Date: 13-Oct-2025 10:15:07
Spectrum: Tune Spec :Average 493-495(4.89-4.91) Bgrd 486(4.85) Apex 494(4.90)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 144

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	49	73.00	19088	113.00	384	154.00	298
36.00	2879	74.00	70040	115.00	390	155.00	1127
37.00	17176	75.00	218240	116.00	1611	156.00	368
38.00	15360	76.00	19496	117.00	2862	157.00	865
39.00	6606	77.00	2496	118.00	1528	158.00	201
40.00	225	78.00	2085	119.00	2069	159.00	596
43.00	5	79.00	11305	120.00	159	161.00	439
44.00	1175	80.00	4277	121.00	44	163.00	107
45.00	3111	81.00	11649	122.00	71	165.00	75
46.00	414	82.00	3469	123.00	66	170.00	32
47.00	5604	83.00	429	124.00	257	171.00	390
48.00	2368	84.00	30	125.00	233	172.00	3282
49.00	15438	85.00	73	126.00	212	173.00	4859
50.00	75824	86.00	629	127.00	134	174.00	392640
51.00	22408	87.00	21464	128.00	1342	175.00	29648
52.00	875	88.00	20456	129.00	816	176.00	377408
53.00	306	89.00	35	130.00	1498	177.00	25152
54.00	130	90.00	97	131.00	717	178.00	795
55.00	873	91.00	1345	135.00	608	179.00	79
56.00	5494	92.00	12280	136.00	128	191.00	84
57.00	10547	93.00	18976	137.00	637	193.00	352
58.00	288	94.00	53888	138.00	41	194.00	127
59.00	16	95.00	483712	139.00	60	195.00	67
60.00	3535	96.00	32888	140.00	348	203.00	26
61.00	18664	97.00	1118	141.00	3729	207.00	485
62.00	18216	98.00	43	142.00	530	209.00	472
63.00	15489	103.00	4	143.00	4842	210.00	141
64.00	1765	104.00	1824	144.00	302	218.00	22
65.00	2090	105.00	693	145.00	882	233.00	28
66.00	474	106.00	1611	146.00	635	260.00	44
67.00	1121	107.00	450	147.00	349	261.00	90
68.00	41864	108.00	60	148.00	909	267.00	25
69.00	42552	109.00	88	149.00	307	281.00	38

Report Date: 13-Oct-2025 14:11:25 Chrom Revision: 2.3 13-Aug-2025 14:00:00
Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13T04.D\MSVoa_7159.rslt\spectra.d
Injection Date: 13-Oct-2025 10:15:07
Spectrum: Tune Spec :Average 493-495(4.89-4.91) Bgrd 486(4.85) Apex 494(4.90)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 144

m/z	Y	m/z	Y	m/z	Y	m/z	Y
70.00	3331	110.00	222	150.00	448	282.00	165
71.00	241	111.00	456	152.00	5	283.00	111
72.00	2177	112.00	372	153.00	304	284.00	42

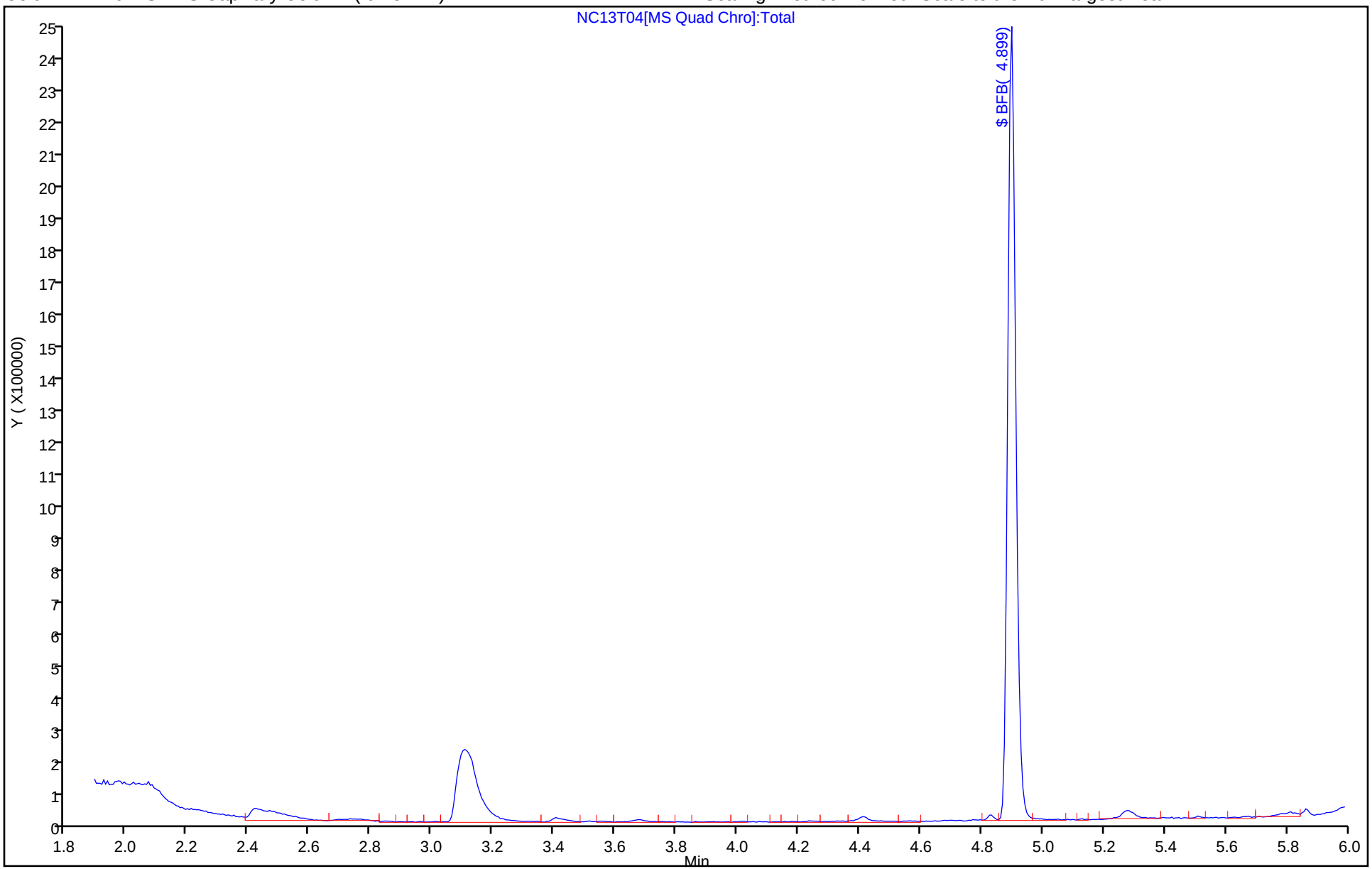
Report Date: 13-Oct-2025 14:11:25 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13T04.D

Injection Date:	13-Oct-2025 10:15:07	Instrument ID:	7159	Operator ID:	knk41612
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15T11.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 15-Oct-2025 11:09:35 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0163218-001
Misc. Info.: BFB
Operator ID: clm27445 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 16-Oct-2025 09:19:37 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1603

First Level Reviewer: D9QF Date: 16-Oct-2025 09:19:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 30 BFB	95	4.893	4.893	0.000	0	1445663	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

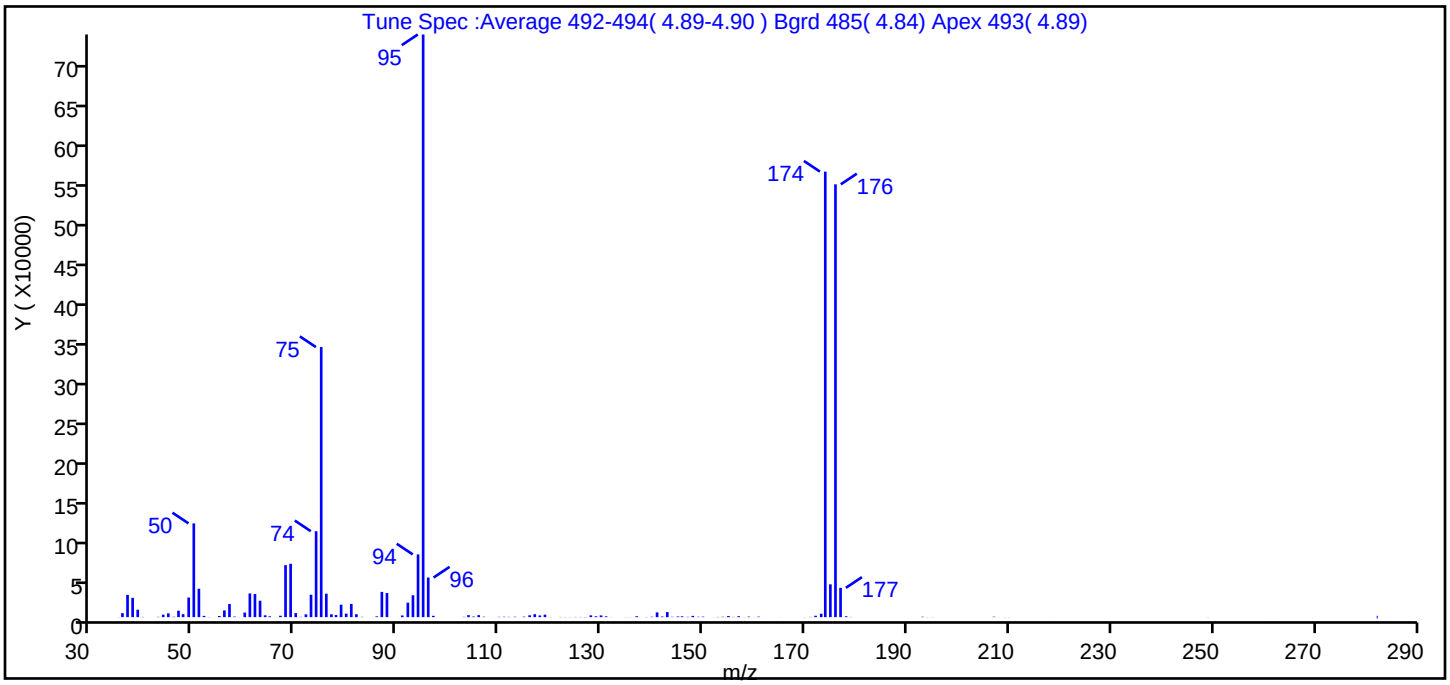
MSV_V_BFB_00019 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15T11.D
Injection Date: 15-Oct-2025 11:09:35 Instrument ID: 7159
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_7159 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 30 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.1
75	30 to 60% of m/z 95	46.4
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.6 (0.8)
174	50 to 120% of m/z 95	76.5
175	5 to 9% of m/z 174	5.6 (7.4)
176	Greater than 95% but less than 101% of m/z 174	74.3 (97.1)
177	5 to 9% of m/z 176	5.0 (6.8)

Data File: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15T11.D\MSVoa_7159.rslt\spectra.d
Injection Date: 15-Oct-2025 11:09:35
Spectrum: Tune Spec :Average 492-494(4.89-4.90) Bgrd 485(4.84) Apex 493(4.89)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 142

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	119	74.00	108160	117.00	3720	158.00	128
36.00	5012	75.00	339904	118.00	2121	159.00	682
37.00	28040	76.00	29520	119.00	3108	160.00	93
38.00	24296	77.00	3600	120.00	140	161.00	579
39.00	9329	78.00	2652	122.00	218	162.00	28
40.00	285	79.00	15686	123.00	208	165.00	78
43.00	344	80.00	4378	124.00	179	170.00	148
44.00	3092	81.00	16688	125.00	239	171.00	272
45.00	4750	82.00	3652	126.00	217	172.00	1764
46.00	465	83.00	369	127.00	232	173.00	4328
47.00	8089	84.00	39	128.00	2260	174.00	560704
48.00	3753	85.00	4	129.00	1093	175.00	41280
49.00	24688	86.00	989	130.00	2205	176.00	544704
50.00	118016	87.00	31752	131.00	994	177.00	36888
51.00	35768	88.00	30336	132.00	101	178.00	1093
52.00	1564	91.00	2098	135.00	135	179.00	224
53.00	182	92.00	18200	136.00	135	192.00	38
55.00	1449	93.00	27552	137.00	1169	193.00	498
56.00	8485	94.00	78952	139.00	192	194.00	153
57.00	16504	95.00	733312	140.00	507	195.00	163
58.00	700	96.00	49832	141.00	5994	205.00	18
59.00	114	97.00	1666	142.00	768	207.00	536
60.00	5742	100.00	31	143.00	6336	208.00	86
61.00	29848	102.00	21	144.00	409	209.00	137
62.00	29096	103.00	347	145.00	848	210.00	114
63.00	20688	104.00	2527	146.00	1011	211.00	25
64.00	2310	105.00	735	147.00	385	218.00	23
65.00	1052	106.00	2508	148.00	1601	219.00	31
66.00	59	107.00	500	149.00	446	249.00	123
67.00	1741	109.00	33	150.00	629	251.00	5
68.00	65432	110.00	385	152.00	104	261.00	33
69.00	67176	111.00	462	153.00	283	262.00	26
70.00	5036	112.00	336	154.00	455	282.00	1

Report Date: 16-Oct-2025 09:19:38 Chrom Revision: 2.3 13-Aug-2025 14:00:00
Data File: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15T11.D\MSVoa_7159.rslt\spectra.d
Injection Date: 15-Oct-2025 11:09:35
Spectrum: Tune Spec :Average 492-494(4.89-4.90) Bgrd 485(4.84) Apex 493(4.89)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 142

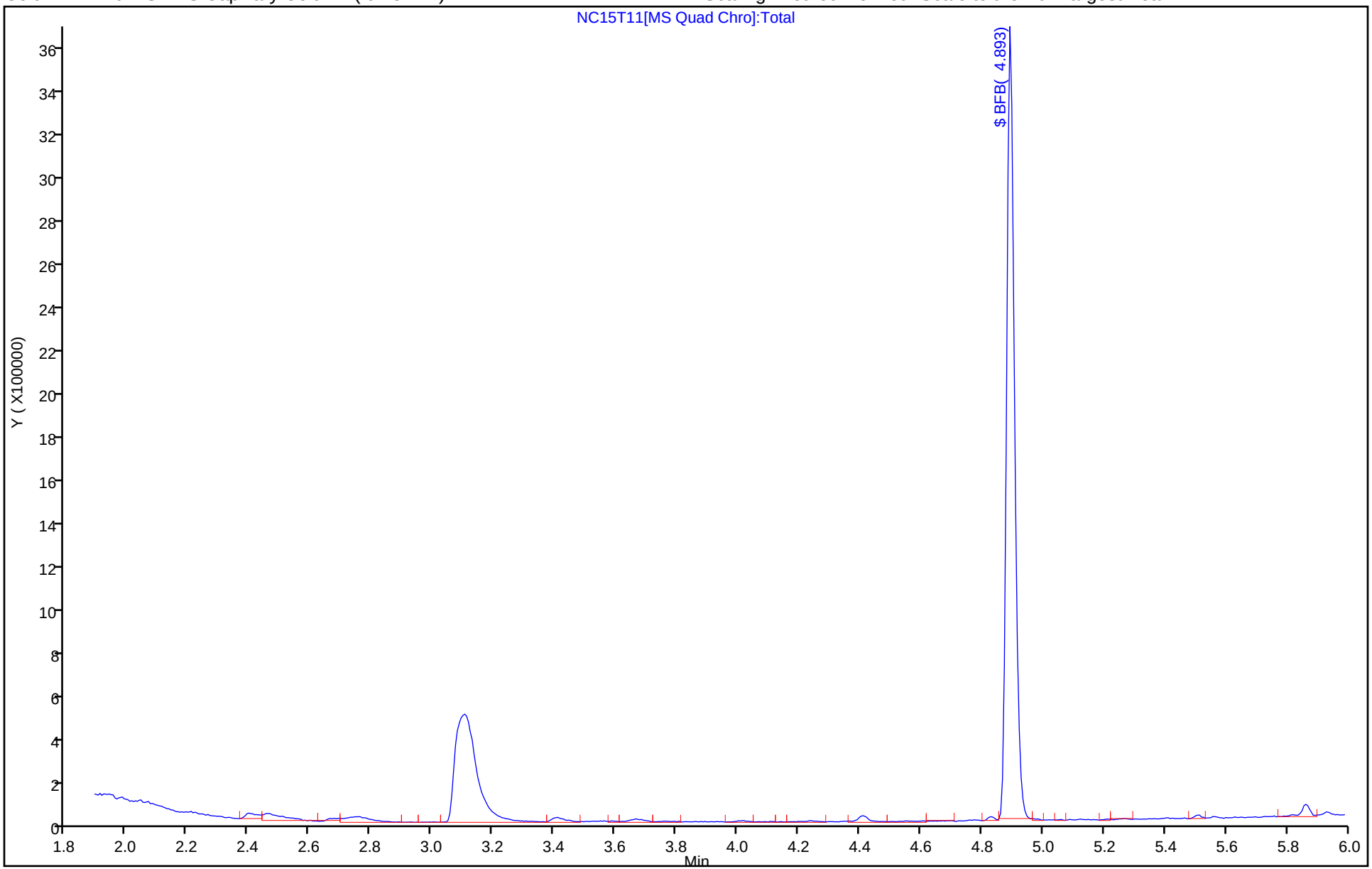
m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	361	113.00	505	155.00	1434	284.00	41
72.00	3524	115.00	618	156.00	247		
73.00	28216	116.00	2316	157.00	1205		

Report Date: 16-Oct-2025 09:19:38 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15T11.D				
Injection Date:	15-Oct-2025 11:09:35	Instrument ID:	7159	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_7159	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13T01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 13-Oct-2025 13:26:24 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0162959-001
Misc. Info.: bfb
Operator ID: jml01693 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 13-Oct-2025 22:48:39 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1725

First Level Reviewer: UJML Date: 13-Oct-2025 13:46:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 33 BFB	95	4.552	4.552	0.000	0	124733	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

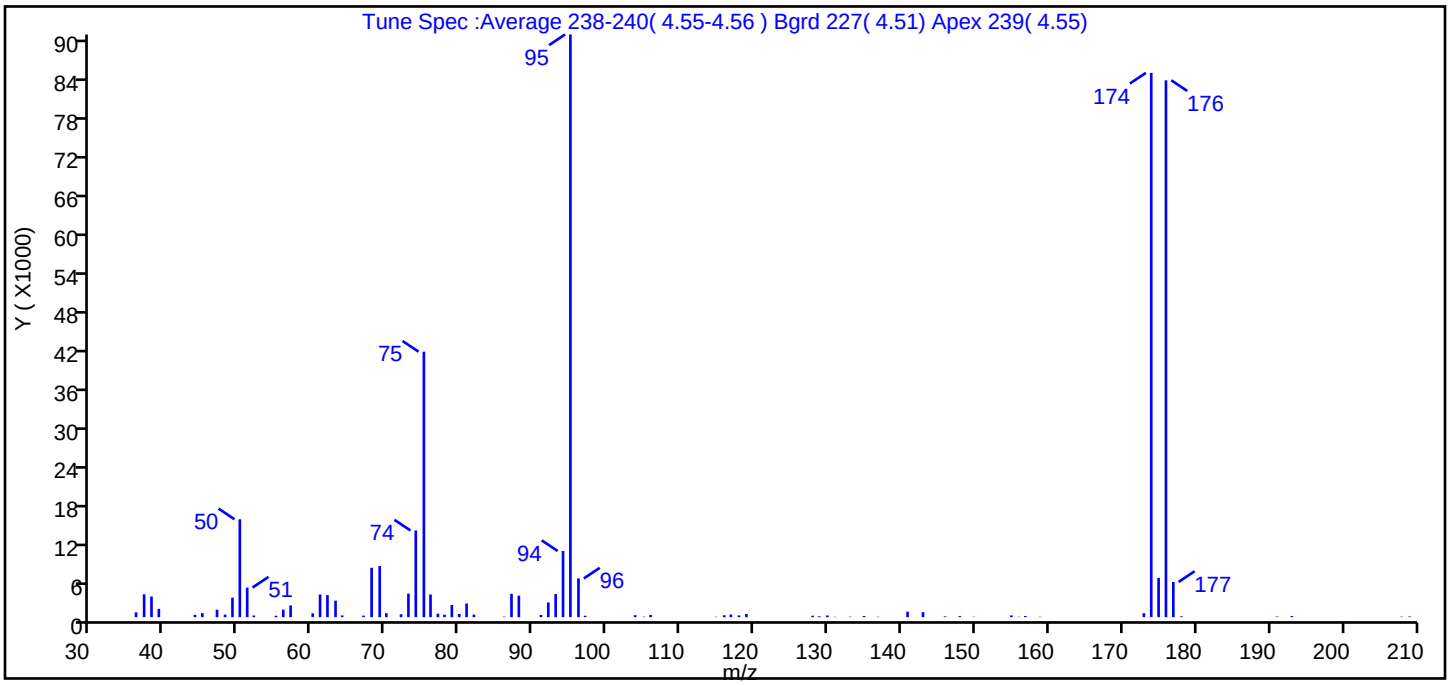
MSV_V_BFB_00019 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13T01.D				
Injection Date:	13-Oct-2025 13:26:24	Instrument ID:	9915		
Lims ID:	bfb				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	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	45.6
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.7 (0.7)
174	50 to 120% of m/z 95	93.4
175	5 to 9% of m/z 174	6.7 (7.2)
176	Greater than 95% but less than 101% of m/z 174	92.1 (98.6)
177	5 to 9% of m/z 176	6.0 (6.6)

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13T01.D\MSVoa_9915a.rslt\spectra.d
Injection Date: 13-Oct-2025 13:26:24
Spectrum: Tune Spec :Average 238-240(4.55-4.56) Bgrd 227(4.51) Apex 239(4.55)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 80

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	753	64.00	270	92.00	2296	137.00	57
37.00	3564	67.00	241	93.00	3600	141.00	842
38.00	3226	68.00	7702	94.00	10322	143.00	780
39.00	1293	69.00	7978	95.00	90936	146.00	121
40.00	9	70.00	616	96.00	6038	148.00	161
44.00	364	72.00	443	97.00	224	150.00	55
45.00	629	73.00	3659	104.00	310	155.00	270
47.00	1164	74.00	13524	105.00	69	156.00	54
48.00	387	75.00	41432	106.00	339	157.00	175
49.00	3038	76.00	3536	115.00	57	159.00	58
50.00	15273	77.00	540	116.00	298	173.00	610
51.00	4618	78.00	378	117.00	410	174.00	84944
52.00	249	79.00	1904	118.00	270	175.00	6119
55.00	221	80.00	495	119.00	489	176.00	83784
56.00	1178	81.00	2124	128.00	221	177.00	5500
57.00	1838	82.00	396	129.00	129	178.00	125
60.00	605	86.00	76	130.00	261	191.00	90
61.00	3533	87.00	3635	131.00	53	193.00	167
62.00	3442	88.00	3350	133.00	64	208.00	63
63.00	2571	91.00	338	135.00	181	209.00	102

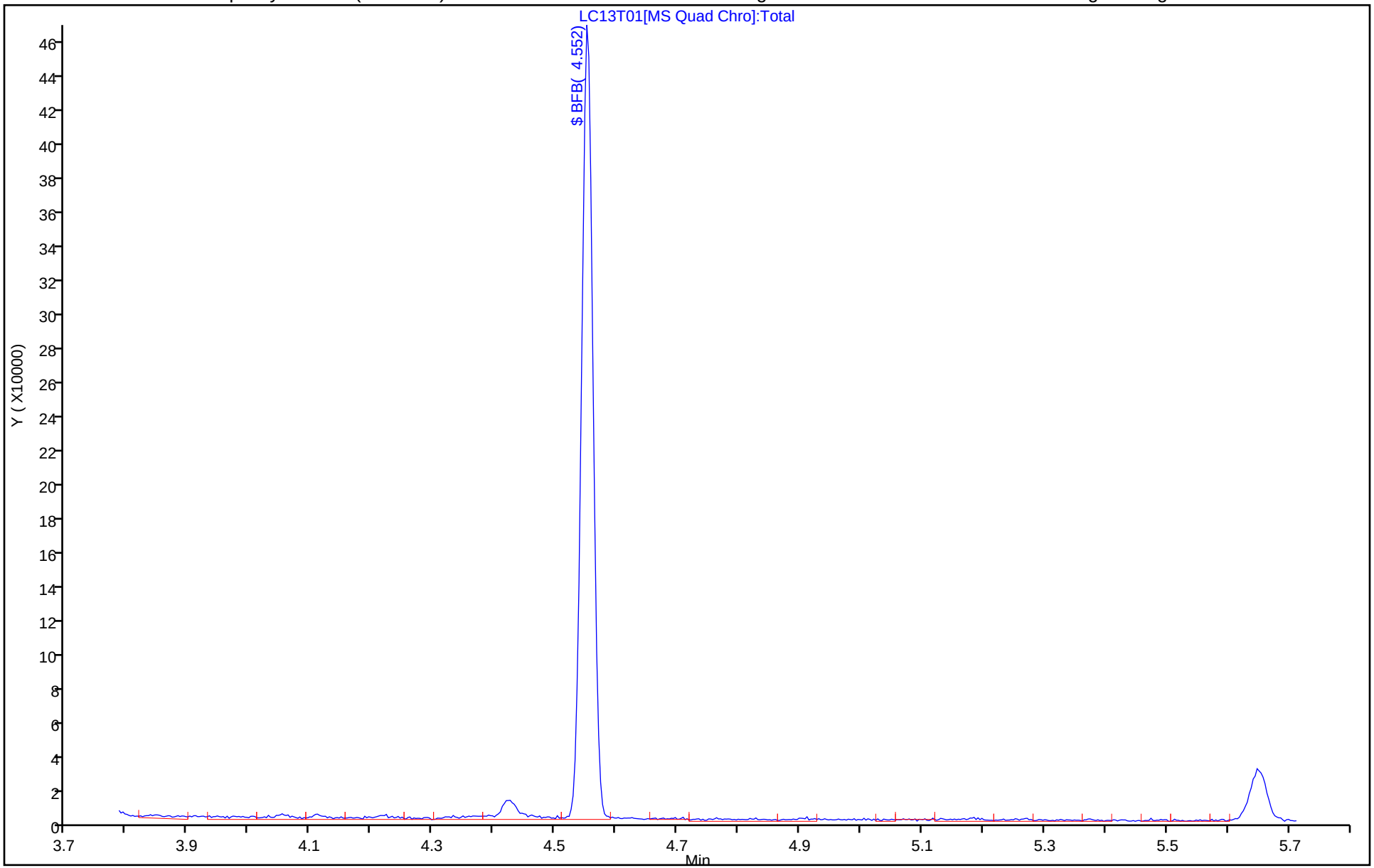
Report Date: 13-Oct-2025 22:48:39 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13T01.D

Injection Date:	13-Oct-2025 13:26:24	Instrument ID:	9915	Operator ID:	jml01693
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 14-Oct-2025 09:12:54 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0163058-001
Misc. Info.: bfb
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 20:38:45 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 33 BFB	95	4.552	4.552	0.000	0	270004	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

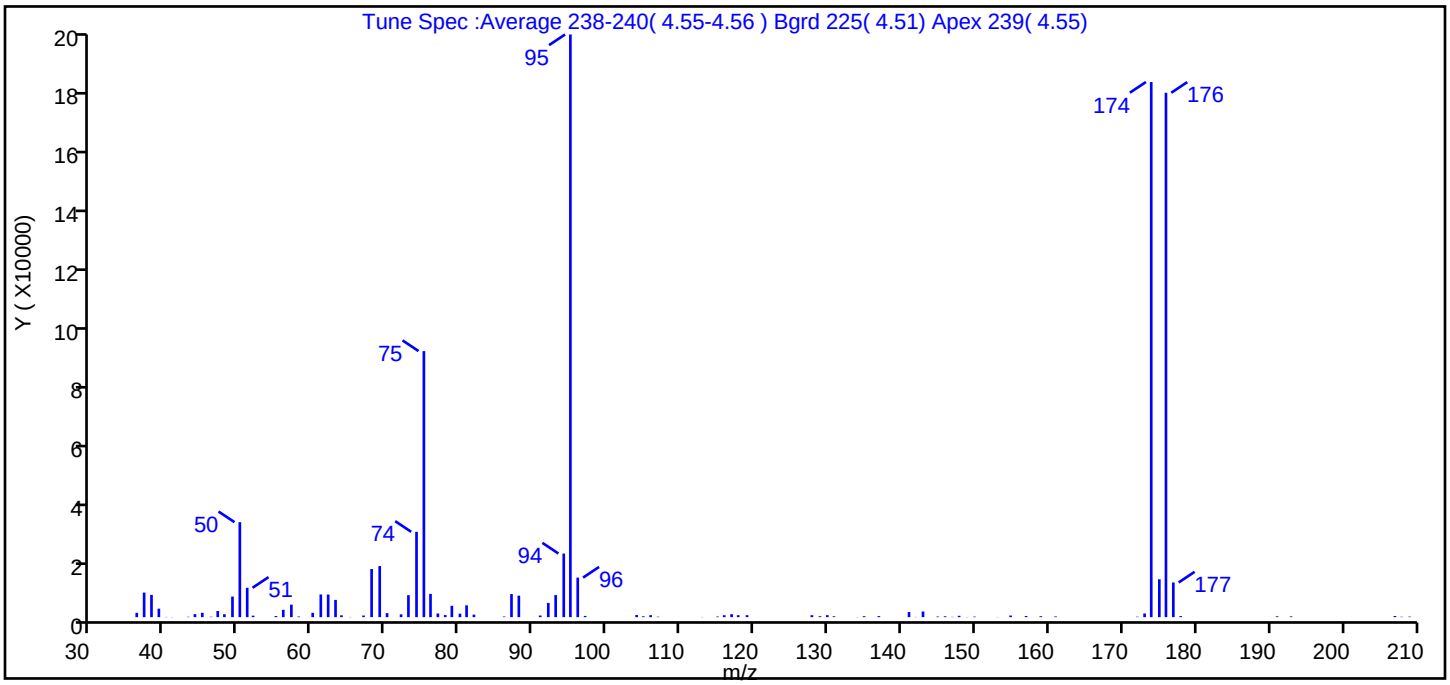
MSV_V_BFB_00019 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14T01.D				
Injection Date:	14-Oct-2025 09:12:54	Instrument ID:	9915		
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_9915a	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	16.3
75	30 to 60% of m/z 95	45.7
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.6 (0.7)
174	50 to 120% of m/z 95	91.8
175	5 to 9% of m/z 174	6.5 (7.1)
176	Greater than 95% but less than 101% of m/z 174	90.0 (98.0)
177	5 to 9% of m/z 176	6.0 (6.6)

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14T01.D\MSVoa_9915a.rslt\spectra.d
Injection Date: 14-Oct-2025 09:12:54
Spectrum: Tune Spec :Average 238-240(4.55-4.56) Bgrd 225(4.51) Apex 239(4.55)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 94

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1447	64.00	612	95.00	194496	146.00	284
37.00	8196	65.00	62	96.00	13198	147.00	86
38.00	7434	67.00	537	97.00	408	148.00	445
39.00	2829	68.00	16057	104.00	708	149.00	57
40.00	68	69.00	17048	105.00	281	150.00	180
41.00	45	70.00	1343	106.00	659	153.00	50
43.00	122	72.00	926	107.00	141	155.00	538
44.00	999	73.00	7334	113.00	61	157.00	387
45.00	1444	74.00	28480	115.00	208	159.00	304
46.00	136	75.00	88816	116.00	645	161.00	235
47.00	2043	76.00	7767	117.00	1000	172.00	146
48.00	968	77.00	1227	118.00	654	173.00	1222
49.00	6871	78.00	693	119.00	653	174.00	178624
50.00	31704	79.00	3787	128.00	654	175.00	12629
51.00	9795	80.00	1146	129.00	308	176.00	175040
52.00	493	81.00	3947	130.00	657	177.00	11576
55.00	372	82.00	832	131.00	284	178.00	352
56.00	2439	86.00	206	134.00	52	191.00	276
57.00	4167	87.00	7698	135.00	316	193.00	247
58.00	212	88.00	7162	137.00	349	207.00	383
60.00	1445	91.00	543	141.00	1693	208.00	126
61.00	7568	92.00	4739	142.00	69	209.00	170
62.00	7542	93.00	7363	143.00	1884		
63.00	5755	94.00	21232	145.00	204		

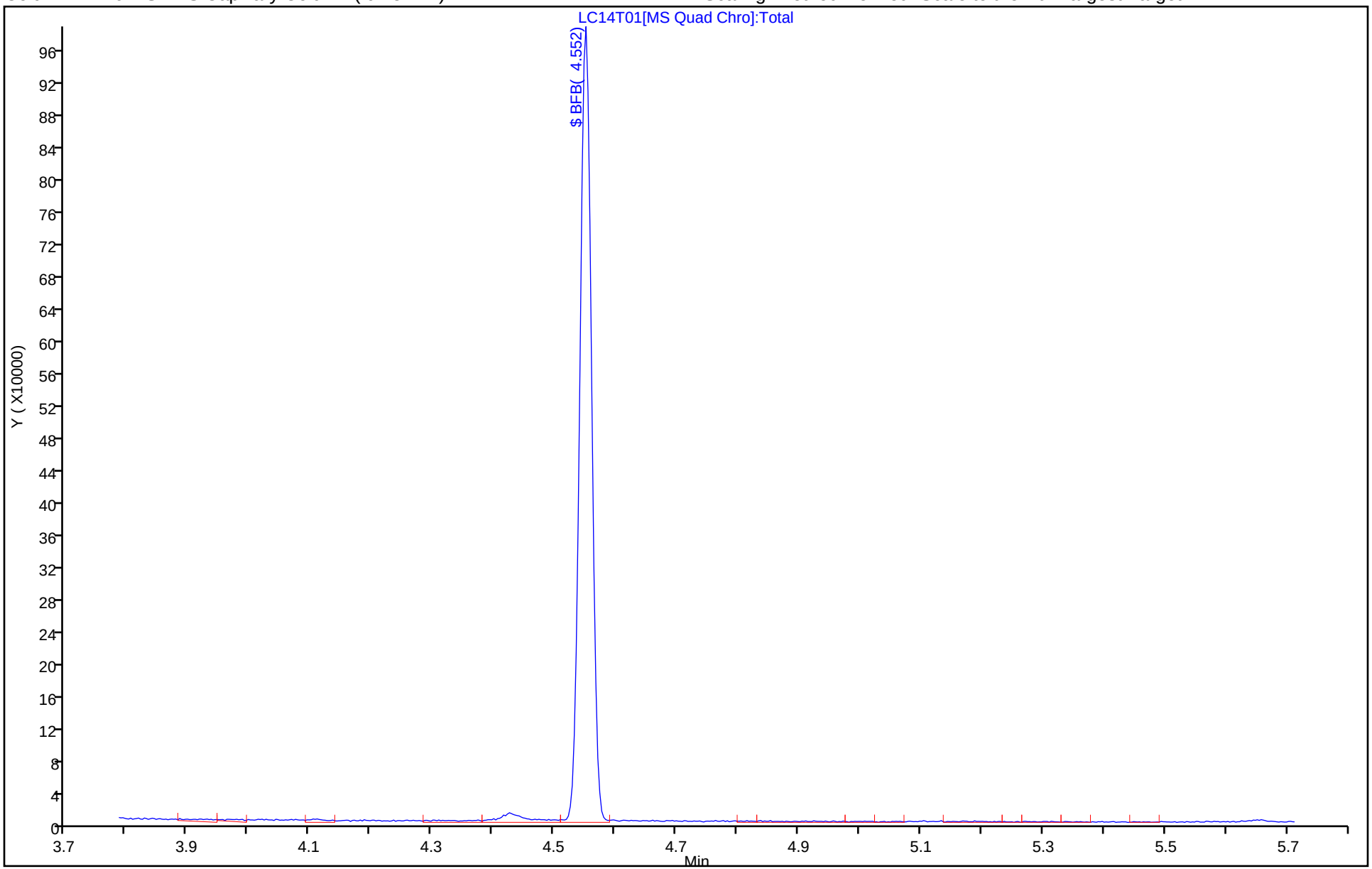
Report Date: 14-Oct-2025 20:38:46 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14T01.D

Injection Date:	14-Oct-2025 09:12:54	Instrument ID:	9915	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_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16T01.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	16-Oct-2025 07:39:37	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0163364-001				
Misc. Info.:	bfb				
Operator ID:	clm27445	Instrument ID:	9915		
Method:	\\chromfs\Lancaster\ChromData\9915\20251016-163364.b\MSVoa_9915a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	16-Oct-2025 09:22:03	Calib Date:	13-Oct-2025 19:59:39		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1660				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 33 BFB	95	4.552	4.552	0.000	0	167697	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

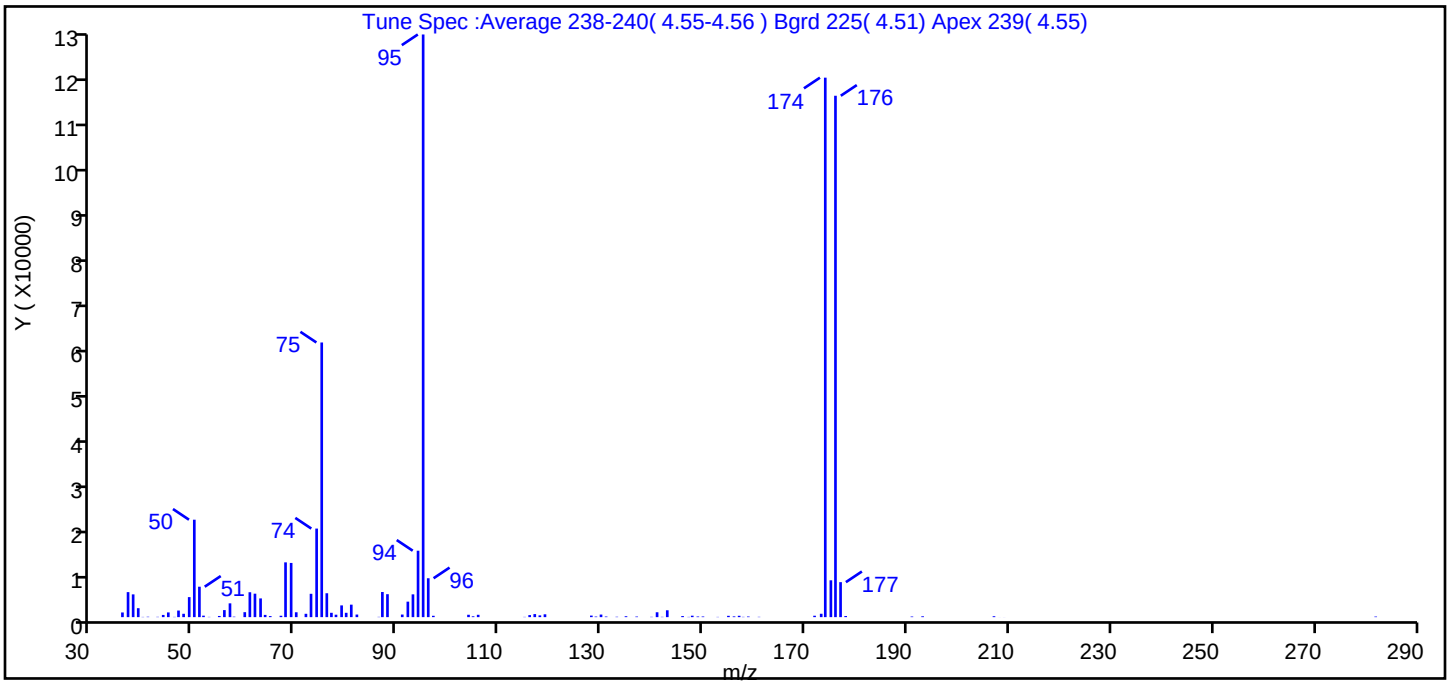
MSV_V_BFB_00019 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16T01.D
Injection Date: 16-Oct-2025 07:39:37 Instrument ID: 9915
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_9915a 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	16.7
75	30 to 60% of m/z 95	47.1
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.6 (0.6)
174	50 to 120% of m/z 95	92.6
175	5 to 9% of m/z 174	6.3 (6.8)
176	Greater than 95% but less than 101% of m/z 174	89.5 (96.6)
177	5 to 9% of m/z 176	6.0 (6.7)

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16T01.D\MSVoa_9915a.rslt\spectra.d
Injection Date: 16-Oct-2025 07:39:37
Spectrum: Tune Spec :Average 238-240(4.55-4.56) Bgrd 225(4.51) Apex 239(4.55)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 96

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	992	63.00	3970	94.00	14077	147.00	52
37.00	5301	64.00	476	95.00	123464	148.00	306
38.00	4825	65.00	218	96.00	8241	149.00	136
39.00	1899	67.00	294	97.00	287	150.00	137
40.00	49	68.00	11608	104.00	505	153.00	50
41.00	85	69.00	11485	105.00	177	155.00	281
43.00	65	70.00	1034	106.00	501	156.00	160
44.00	469	72.00	710	115.00	54	157.00	289
45.00	1000	73.00	4946	116.00	433	158.00	60
46.00	54	74.00	18768	117.00	648	159.00	134
47.00	1397	75.00	58200	118.00	374	161.00	65
48.00	712	76.00	5063	119.00	604	172.00	300
49.00	4243	77.00	921	128.00	330	173.00	718
50.00	20648	78.00	518	129.00	122	174.00	114312
51.00	6448	79.00	2489	130.00	547	175.00	7807
52.00	315	80.00	920	131.00	128	176.00	110480
53.00	53	81.00	2646	133.00	81	177.00	7415
55.00	248	82.00	551	135.00	193	178.00	236
56.00	1492	86.00	59	137.00	127	191.00	130
57.00	2925	87.00	5325	140.00	65	193.00	178
58.00	98	88.00	4864	141.00	1034	207.00	191
60.00	1054	91.00	551	142.00	64	208.00	7
61.00	5277	92.00	3282	143.00	1455	209.00	9
62.00	4970	93.00	4831	146.00	229	282.00	125

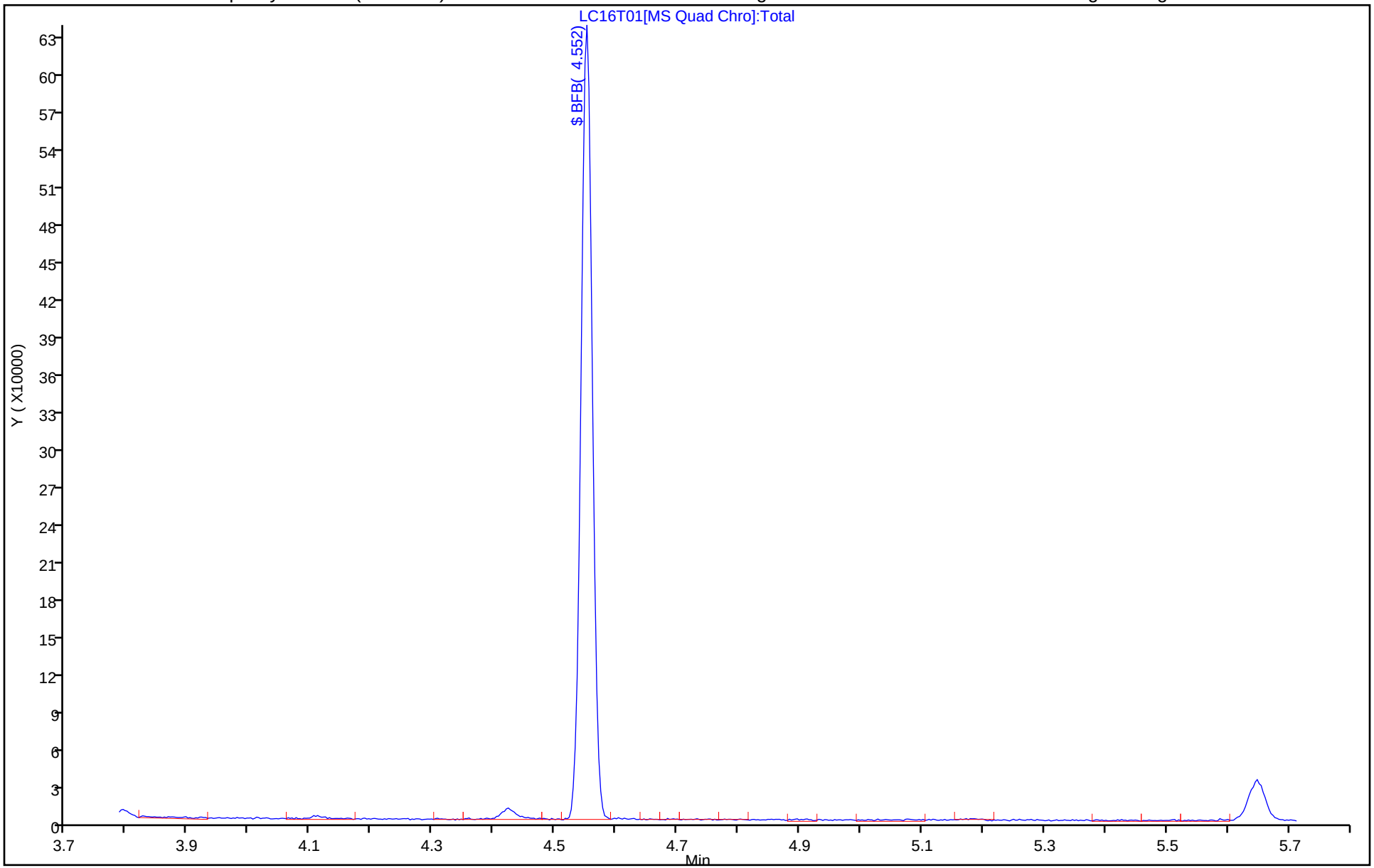
Report Date: 16-Oct-2025 09:22:03 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16T01.D

Injection Date:	16-Oct-2025 07:39:37	Instrument ID:	9915	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_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-712932/7

Matrix: Water
Lab File ID: NC13X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/13/2025 12:11

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.: 712932
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

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.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-712932/7

Matrix: Water
Lab File ID: NC13X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/13/2025 12:11

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.: 712932
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

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)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		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\7159\20251013-162929.b\NC13X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 13-Oct-2025 12:11:52 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162929-007
Operator ID: knk41612 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 13-Oct-2025 14:10:31 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

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

First Level Reviewer: DVW2 Date: 13-Oct-2025 14:08:09

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.984					ND	
2	Dichlorodifluoromethane	85		2.038					ND	
3	Chlorodifluoromethane	51		2.041					ND	7
4	Chloromethane	50		2.241					ND	7
5	Butadiene	39		2.353					ND	7
6	Vinyl chloride	62		2.366					ND	
7	2-Chloro-1,1,1-Trifluoroethane	118		2.443					ND	7
8	Bromomethane	94		2.707					ND	
9	Chloroethane	64		2.820					ND	
10	Dichlorofluoromethane	67		3.074					ND	7
11	Trichlorofluoromethane	101		3.144					ND	
12	Pentane	43		3.186					ND	7
13	Ethanol	45		3.283					ND	
14	Ethyl ether	59		3.421					ND	
15	1,2-Dichloro-1,1,2-trifluoroetha	67		3.511					ND	7
16	Acrolein	56		3.610					ND	
17	1,1-Dichloroethene	96		3.752					ND	7
19	Acetone	58		3.797					ND	
18	1,1,2-Trichloro-1,2,2-trifluoroe	101		3.800					ND	
20	Iodomethane	142		3.961					ND	
21	Isopropyl alcohol	45		3.983					ND	
22	Carbon disulfide	76		4.070					ND	7
23	Acetonitrile	41		4.225					ND	7
24	Methyl acetate	43		4.263					ND	7
25	3-Chloro-1-propene	41		4.289					ND	
26	Methylene Chloride	84		4.492					ND	
* 27	t-Butyl alcohol-d10 (IS)	65	4.524	4.511	0.013	27	343279	250.0	250.0	
28	2-Methyl-2-propanol	59		4.646					ND	
29	Acrylonitrile	53		4.855					ND	
32	Methyl tert-butyl ether	73		4.919					ND	7
31	trans-1,2-Dichloroethene	96		4.922					ND	7
33	Hexane	57		5.356					ND	

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	34 Vinyl acetate	43		5.588					ND	7
	35 1,1-Dichloroethane	63		5.591					ND	
	36 Isopropyl ether	45		5.655					ND	
	37 2-Chloro-1,3-butadiene	53		5.704					ND	
S	38 1,2-Dichloroethene, Total	100		6.155					ND	7
	39 Tert-butyl ethyl ether	59		6.189					ND	
	40 2-Butanone (MEK)	43		6.405					ND	
	41 cis-1,2-Dichloroethene	96		6.427					ND	
	43 2,2-Dichloropropane	77		6.440					ND	
	42 Ethyl acetate	43		6.459					ND	7
	44 Propionitrile	54		6.501					ND	
	45 Methyl acrylate	55		6.527					ND	
	46 Methacrylonitrile	67		6.710					ND	
	47 Chlorobromomethane	128		6.755					ND	
	48 Tetrahydrofuran	71		6.762					ND	
	49 Chloroform	83		6.903					ND	
$	50 Dibromofluoromethane (Surr)	113	7.119	7.118	0.001	92	306386	50.0	48.1	
	51 1,1,1-Trichloroethane	97		7.128					ND	
	52 Cyclohexane	56		7.218					ND	
	53 Carbon tetrachloride	117		7.331					ND	
	54 1,1-Dichloropropene	75		7.337					ND	7
	55 Isobutyl alcohol	41		7.491					ND	
$	56 1,2-Dichloroethane-d4 (Surr)	102	7.572	7.572	0.000	33	74136	50.0	51.7	
	57 Benzene	78		7.604					ND	
	59 1,2-Dichloroethane	62		7.675					ND	
	58 Isopropyl acetate	43		7.681					ND	7
	60 Tert-amyl methyl ether	73		7.790					ND	
	61 t-Amyl alcohol	73	7.871	7.865	0.006	1	66		NC	
*	62 Fluorobenzene (IS)	96	7.996	7.996	0.000	99	1120112	50.0	50.0	
	63 n-Heptane	43		8.003					ND	7
	64 n-Butanol	56		8.356					ND	
	65 Trichloroethene	95		8.469					ND	
	66 Ethyl acrylate	55		8.585					ND	U
	67 Methylcyclohexane	83		8.778					ND	
	69 1,2-Dichloropropane	63		8.803					ND	
	68 2-ethoxy-2-methyl butane	87		8.810					ND	
	70 Methyl methacrylate	69		8.884					ND	
	71 1,4-Dioxane	88		8.893					ND	
	72 Dibromomethane	93		8.913					ND	
	73 n-Propyl acetate	61		8.958					ND	
	74 Dichlorobromomethane	83		9.138					ND	
	75 2-Nitropropane	41		9.411					ND	7
	76 2-Chloroethyl vinyl ether	63		9.482					ND	
	77 cis-1,3-Dichloropropene	75		9.659					ND	
	78 4-Methyl-2-pentanone (MIBK)	43		9.829					ND	7
$	79 Toluene-d8 (Surr)	98	9.951	9.954	-0.003	94	1000525	50.0	54.5	
	118 Toluene	92		10.028					ND	
S	119 1,3-Dichloropropene, Total	100		10.060					ND	7
	120 trans-1,3-Dichloropropene	75		10.269					ND	
	121 Ethyl methacrylate	69		10.324					ND	
	122 1,1,2-Trichloroethane	97		10.469					ND	
	123 Tetrachloroethene	166		10.546					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 1,3-Dichloropropane	76		10.626				ND		
125 3,4-Dichloro-1-butene	75		10.659				ND		
126 2-Hexanone	43		10.675				ND		7
127 n-Butyl acetate	43		10.778				ND		7
128 Chlorodibromomethane	129		10.832				ND		
129 Ethylene Dibromide	107		10.942				ND		
S 130 Xylenes, Total	106		11.245				ND		7
* 131 Chlorobenzene-d5 (IS)	117	11.356	11.356	0.000	85	746646	50.0	50.0	
132 1-Chlorohexane	91		11.359				ND		7
133 Chlorobenzene	112		11.382				ND		
134 1,1,1,2-Tetrachloroethane	131		11.459				ND		
135 Ethylbenzene	91		11.466				ND		
136 m-Xylene & p-Xylene	106		11.575				ND		
137 n-Butyl acrylate	55		11.842				ND		
138 o-Xylene	106		11.896				ND		
139 Styrene	104		11.909				ND		7
140 Bromoform	173		12.064				ND		7
141 Isopropylbenzene	105		12.189				ND		
143 Cyclohexanone	55		12.273				ND		
142 cis-1,4-Dichloro-2-butene	88		12.327				ND		U
$ 144 4-Bromofluorobenzene (Surr)	95	12.327	12.331	-0.004	90	348245	50.0	50.3	
145 1,1,2,2-Tetrachloroethane	83		12.430				ND		
146 Bromobenzene	156		12.450				ND		
147 trans-1,4-Dichloro-2-butene	53		12.453				ND		
148 1,2,3-Trichloropropane	110		12.475				ND		
149 N-Propylbenzene	91		12.511				ND		
150 2-Chlorotoluene	126		12.588				ND		
151 1,3,5-Trimethylbenzene	105		12.642				ND		7
152 4-Chlorotoluene	126		12.678				ND		
153 2,3,4-Trichlorobutene	109		12.691				ND		7
154 tert-Butylbenzene	134		12.884				ND		7
156 Pentachloroethane	167		12.906				ND		
155 1,2,4-Trimethylbenzene	105		12.922				ND		7
157 sec-Butylbenzene	105		13.044				ND		7
158 1,3-Dichlorobenzene	146		13.141				ND		7
159 4-Isopropyltoluene	119		13.147				ND		7
* 160 1,4-Dichlorobenzene-d4	152	13.196	13.195	0.001	94	420545	50.0	50.0	
161 1,4-Dichlorobenzene	146		13.215				ND		7
162 1,2,3-Trimethylbenzene	105		13.224				ND		7
163 Benzyl chloride	91		13.292				ND		7
164 1,3-Diethylbenzene	119		13.343				ND		7
165 p-Diethylbenzene	119		13.414				ND		7
166 n-Butylbenzene	92		13.437				ND		7
167 1,2-Dichlorobenzene	146		13.475				ND		7
168 o-diethylbenzene	119		13.488				ND		7
169 Hexachloroethane	201		13.560				ND		
170 1,2-Dibromo-3-Chloropropane	75		14.009				ND		7
171 1,3,5-Trichlorobenzene	180		14.131				ND		7
172 1,2,4-Trichlorobenzene	180		14.552				ND		7
173 2-Ethylhexyl acrylate	55		14.604				ND		U
174 Hexachlorobutadiene	225		14.630				ND		
175 Naphthalene	128		14.736				ND		7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
176 1,2,3-Trichlorobenzene	180		14.877					ND	7
177 2-Methylnaphthalene	142		15.523					ND	7
178 C4-C10	1		0.000					ND	
179 C4-C12	1		0.000					ND	
180 C5-C12	1		0.000					ND	
181 2-Butoxyethyl acetate	1		0.000					ND	
182 Gasoline (Unleaded)	1		0.000					ND	
183 TAH TIC	1		0.000					ND	
184 Dimethyl Sulfide	1		0.000					ND	
303 Tetrachloroethene TIC	1		0.000					ND	
304 1,2-Propyleneimine TIC	1		0.000					ND	
$ 187 trans-1,2,3-Trichlorobutene-2 TI	1		0.000					ND	
188 sec-Butyl Alcohol TIC	1		0.000					ND	
189 1,1,1,2-Tetrafluoroethane TIC	1		0.000					ND	
190 Phosgene TIC	1		0.000					ND	
191 2-ethoxy-2-methyl butane TIC	1		0.000					ND	
192 2,3-Dimethylbutane TIC	1		0.000					ND	
305 1,2 Epoxybutane TIC	1		0.000					ND	
302 Methyl mercaptan TIC	1		0.000					ND	
195 Methyl Isocyanate TIC	1		0.000					ND	
202 3-chloro-1-Butene TIC	1		0.000					ND	
203 2,2-Dimethylpropane TIC	1		0.000					ND	
205 Decamethylcyclopentasiloxane TIC	1		0.000					ND	
206 Dimethylformamide TIC	1		0.000					ND	
207 Carbonyl sulfide TIC	1		0.000					ND	
208 1,4-Divinylbenzene	1		0.000					ND	
209 Styrene oxide TIC	1		0.000					ND	
210 Propene oxide	1		0.000					ND	
211 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
212 Ethyl bromide	1		0.000					ND	
213 1,3-Divinylbenzene	1		0.000					ND	
193 Methylcyclopentane TIC	1		0.000					ND	
186 C7-C12	1		0.000					ND	
185 1-Methylnaphthalene	142		0.000					ND	
194 2,2-Dimethylbutane TIC	1		0.000					ND	
306 Chloromethyl methyl ether TIC	1		0.000					ND	
235 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
214 1-Bromo-2-chloroethane	1		0.000					ND	
215 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
216 C6-C10	1		0.000					ND	
197 3-Methylpentane TIC	1		0.000					ND	
218 C6-C12	1		0.000					ND	
219 3-Methyl-1-butene	1		0.000					ND	
220 n-Decane	57		0.000					ND	
221 Dodecane	57		0.000					ND	
222 Butane	1		0.000					ND	
223 tert-Butyl Formate	1		0.000					ND	
198 1-Methylnaphthalene (TIC)	1		0.000					ND	
199 3-Pentanone TIC	1		0.000					ND	
226 Undecane	1		0.000					ND	
227 sec-Butyl Alcohol	45		0.000					ND	
S 228 Total BTEX	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
229 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
230 Propanol	1		0.000					ND	
231 n-Nonane	1		0.000					ND	
200 4-Ethyltoluene	1		0.000					ND	
201 2-Methylhexane TIC	1		0.000					ND	
234 bis(2-chloromethyl)ether TIC	1		0.000					ND	
300 Diazomethane TIC	1		0.000					ND	
196 Cyclopentane TIC	1		0.000					ND	
233 n-Octane	1		0.000					ND	
232 Isobutyl acetate	43		0.000					ND	
225 Chloroacetonitrile	1		0.000					ND	
224 Methylal	1		0.000					ND	
217 3-chloro-1-Butene	1		0.000					ND	
236 4-Hydroxy-4-methyl-2-pentanone T	1		0.000					ND	
S 237 divinyl benzene	1		0.000					ND	7
S 238 Total Diethylbenzene	1		0.000					ND	7
239 1-Chlorobutane	1		0.000					ND	
240 Diethoxymethane	1		0.000					ND	
241 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
242 3-Methylhexane TIC	1		0.000					ND	
298 d-Limonene	1		0.000					ND	
299 Aziridine TIC	1		0.000					ND	
301 Trichloroethene TIC	1		0.000					ND	
307 Vinyl chloride TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_Cent_ISSS_00045 Amount Added: 5.00 Units: uL Run Reagent

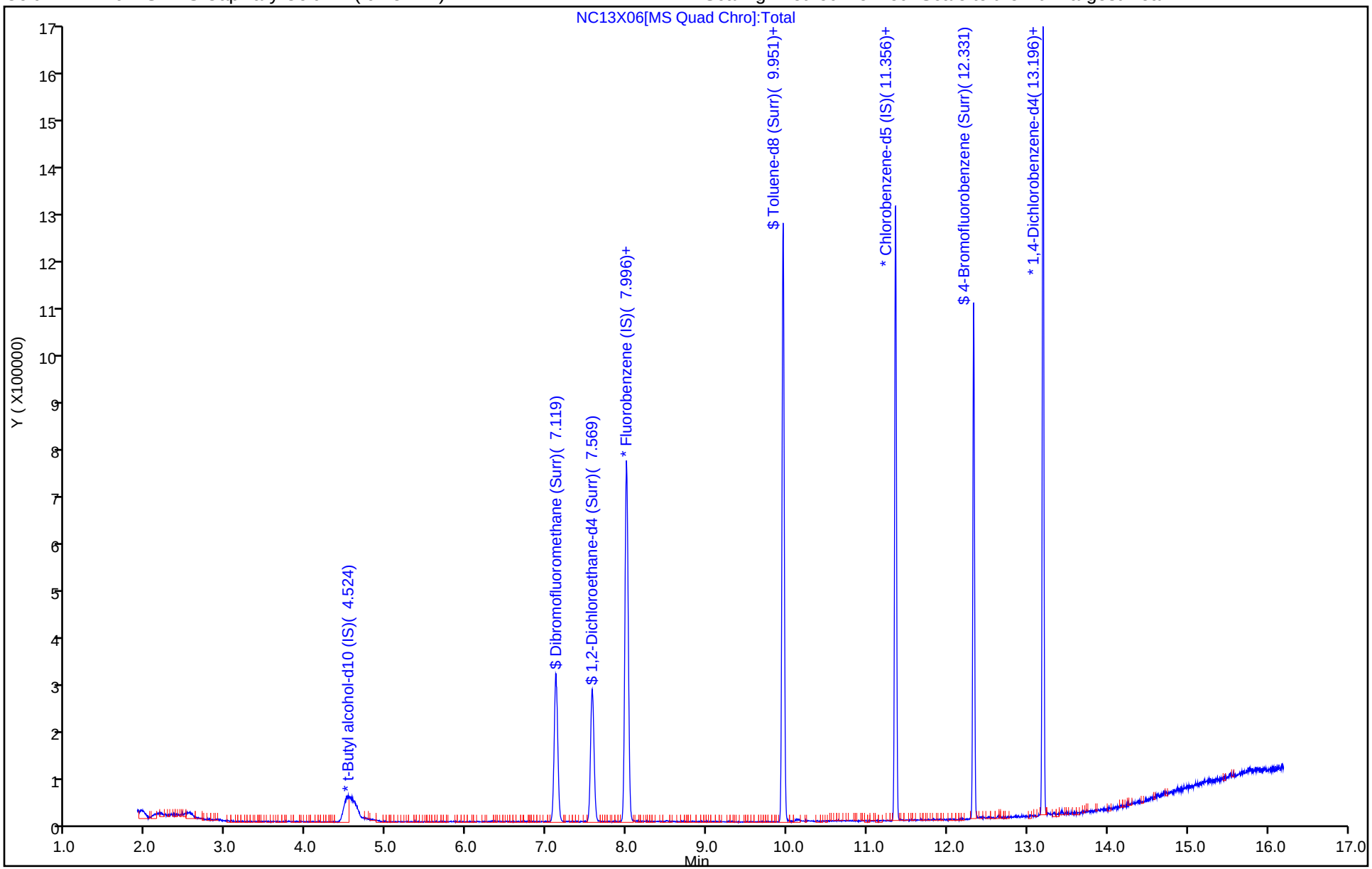
Report Date: 13-Oct-2025 14:11:19 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X06.D

Injection Date:	13-Oct-2025 12:11:52	Instrument ID:	7159	Operator ID:	knk41612
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 13-Oct-2025 12:11:52 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162929-007
Operator ID: knk41612 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 13-Oct-2025 14:10:31 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

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

First Level Reviewer: DVW2 Date: 13-Oct-2025 14:08:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	48.1	96.23
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	51.7	103.33
$ 79 Toluene-d8 (Surr)	50.0	54.5	109.10
$ 144 4-Bromofluorobenzene (Surr)	50.0	50.3	100.56

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-713456/7

Matrix: Water
Lab File ID: LC14X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/14/2025 11:28

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.: 713456
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-713456/7

Matrix: Water
Lab File ID: LC14X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/14/2025 11:28

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.: 713456
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 14-Oct-2025 11:28:57 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-007
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 20:37:57 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 14-Oct-2025 13:07:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116		1.830					ND	
4 Chlorodifluoromethane	51		1.882					ND	7
3 Dichlorodifluoromethane	85		1.885					ND	
5 Chloromethane	50		2.078					ND	
6 Butadiene	39		2.187					ND	7
7 Vinyl chloride	62		2.187					ND	
8 2-Chloro-1,1,1-Trifluoroethane	118		2.248					ND	
9 Bromomethane	94		2.515					ND	
10 Chloroethane	64		2.579					ND	
11 Dichlorofluoromethane	67		2.817					ND	
12 Pentane	43		2.866					ND	7
13 Trichlorofluoromethane	101		2.885					ND	
15 Ethyl ether	59		3.052					ND	
14 Ethanol	45		3.062					ND	
16 1,2-Dichloro-1,1,2-trifluoroetha	67		3.200					ND	
17 Acrolein	56		3.245					ND	
18 1,1-Dichloroethene	96		3.383					ND	7
19 Acetone	58		3.415					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.444					ND	
22 Iodomethane	142		3.586					ND	
21 Isopropyl alcohol	45		3.618					ND	
23 Carbon disulfide	76		3.682					ND	
24 Acetonitrile	41		3.801					ND	7
25 Methyl acetate	43		3.811					ND	7
26 3-Chloro-1-propene	41		3.837					ND	7
27 Methylene Chloride	84		4.023					ND	
* 28 t-Butyl alcohol-d10 (IS)	65	4.103	4.110	-0.007	49	201324	250.0	250.0	
29 2-Methyl-2-propanol	59		4.210					ND	
30 Acrylonitrile	53		4.354					ND	
31 Methyl tert-butyl ether	73		4.412					ND	
32 trans-1,2-Dichloroethene	96		4.415					ND	
35 Hexane	57		4.849					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 1,1-Dichloroethane	63		5.094					ND	
37 Vinyl acetate	43		5.094					ND	7
38 Isopropyl ether	45		5.152					ND	
39 2-Chloro-1,3-butadiene	53		5.206					ND	
40 Tert-butyl ethyl ether	59		5.692					ND	
41 2-Butanone (MEK)	43		5.939					ND	7
42 cis-1,2-Dichloroethene	96		5.943					ND	7
43 2,2-Dichloropropane	77		5.972					ND	
44 Ethyl acetate	43		5.994					ND	U
45 Propionitrile	54		6.029					ND	
46 Methyl acrylate	55		6.039					ND	
S 47 1,2-Dichloroethene, Total	100		6.155					ND	7
48 Methacrylonitrile	67		6.238					ND	
49 Chlorobromomethane	128		6.274					ND	
50 Tetrahydrofuran	71		6.293					ND	
51 Chloroform	83		6.431					ND	
$ 52 Dibromofluoromethane (Surr)	113	6.647	6.647	0.000	94	274965	50.0	50.7	
53 1,1,1-Trichloroethane	97		6.660					ND	
54 Cyclohexane	56		6.750					ND	
56 Carbon tetrachloride	117		6.859					ND	
55 1,1-Dichloropropene	75		6.862					ND	
57 Isobutyl alcohol	41		7.078					ND	7
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.106	7.113	-0.007	72	68816	50.0	51.2	
59 Benzene	78		7.132					ND	
60 1,2-Dichloroethane	62		7.213					ND	7
61 Isopropyl acetate	43		7.235					ND	
62 Tert-amyl methyl ether	73		7.325					ND	
* 63 Fluorobenzene (IS)	96	7.544	7.541	0.003	99	1080440	50.0	50.0	
64 n-Heptane	43		7.550					ND	7
65 t-Amyl alcohol	73	7.618	7.618	0.000	1	62		NC	
66 n-Butanol	56		7.968					ND	
67 Trichloroethene	95		8.020					ND	
68 Ethyl acrylate	55		8.148					ND	
69 Methylcyclohexane	83		8.322					ND	
70 1,2-Dichloropropane	63		8.361					ND	
71 2-ethoxy-2-methyl butane	87		8.367					ND	
72 Methyl methacrylate	69		8.454					ND	
73 1,4-Dioxane	88		8.460					ND	
74 Dibromomethane	93		8.470					ND	
75 n-Propyl acetate	61		8.534					ND	
76 Dichlorobromomethane	83		8.711					ND	
77 2-Nitropropane	41		9.000					ND	
78 2-Chloroethyl vinyl ether	63		9.081					ND	
79 cis-1,3-Dichloropropene	75		9.267					ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.457					ND	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	972199	50.0	50.5	
83 Toluene	92		9.656					ND	
95 trans-1,3-Dichloropropene	75		9.923					ND	
96 Ethyl methacrylate	69		9.994					ND	
S 116 1,3-Dichloropropene, Total	100		10.060					ND	7
118 1,1,2-Trichloroethane	97		10.132					ND	
119 Tetrachloroethene	166		10.206					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 1,3-Dichloropropane	76		10.293					ND	
121 3,4-Dichloro-1-butene	75		10.332					ND	
122 2-Hexanone	43		10.357					ND	
123 n-Butyl acetate	43		10.476					ND	
124 Chlorodibromomethane	129		10.508					ND	
125 Ethylene Dibromide	107		10.614					ND	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	725725	50.0	50.0	
127 1-Chlorohexane	91		11.065					ND	U
128 Chlorobenzene	112		11.077					ND	
132 1,1,1,2-Tetrachloroethane	131		11.164					ND	
133 Ethylbenzene	91		11.168					ND	
S 134 Xylenes, Total	106		11.245					ND	7
135 m-Xylene & p-Xylene	106		11.283					ND	
136 n-Butyl acrylate	55		11.569					ND	
137 o-Xylene	106		11.611					ND	
138 Styrene	104		11.627					ND	
139 Bromoform	173		11.782					ND	
140 Isopropylbenzene	105		11.913					ND	
141 cis-1,4-Dichloro-2-butene	88		11.965					ND	U
142 Cyclohexanone	55		11.994					ND	U
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	94	350682	50.0	50.9	
146 1,1,2,2-Tetrachloroethane	83		12.164					ND	
147 Bromobenzene	156		12.171					ND	
148 trans-1,4-Dichloro-2-butene	53		12.190					ND	
149 1,2,3-Trichloropropane	110		12.209					ND	
150 N-Propylbenzene	91		12.241					ND	7
151 2-Chlorotoluene	126		12.315					ND	
152 1,3,5-Trimethylbenzene	105		12.380					ND	
153 4-Chlorotoluene	126		12.409					ND	
154 2,3,4-Trichlorobutene	109		12.431					ND	
155 tert-Butylbenzene	134		12.621					ND	
156 Pentachloroethane	167		12.650					ND	
157 1,2,4-Trimethylbenzene	105		12.663					ND	
158 sec-Butylbenzene	105		12.785					ND	7
159 1,3-Dichlorobenzene	146		12.881					ND	7
160 4-Isopropyltoluene	119		12.891					ND	7
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	486259	50.0	50.0	
162 1,4-Dichlorobenzene	146		12.955					ND	7
163 1,2,3-Trimethylbenzene	105		12.965					ND	7
165 Benzyl chloride	91		13.032					ND	U
166 1,3-Diethylbenzene	119		13.090					ND	7
167 p-Diethylbenzene	119		13.164					ND	7
168 n-Butylbenzene	92		13.183					ND	7
169 1,2-Dichlorobenzene	146		13.212					ND	
170 o-diethylbenzene	119		13.235					ND	7
171 Hexachloroethane	201		13.409					ND	
172 1,2-Dibromo-3-Chloropropane	75		13.756					ND	
173 1,3,5-Trichlorobenzene	180		13.878					ND	7
174 1,2,4-Trichlorobenzene	180		14.302					ND	7
175 2-Ethylhexyl acrylate	55		14.367					ND	
176 Hexachlorobutadiene	225		14.383					ND	7
177 Naphthalene	128		14.482					ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
178 1,2,3-Trichlorobenzene	180		14.624					ND	7
179 2-Methylnaphthalene	142		15.235					ND	7
180 C4-C10	1		0.000					ND	
204 1-Chlorobutane	1		0.000					ND	
205 Cyclopentane TIC	1		0.000					ND	
206 3-Methylhexane TIC	1		0.000					ND	
181 n-Decane	57		0.000					ND	
182 Diethoxymethane	1		0.000					ND	
183 Dodecane	57		0.000					ND	
184 Chloroacetonitrile	1		0.000					ND	
185 Butane	1		0.000					ND	
186 3-chloro-1-Butene	1		0.000					ND	
187 1,3-Divinylbenzene	1		0.000					ND	
188 C5-C12	1		0.000					ND	
189 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
223 C7-C12	1		0.000					ND	
220 Isobutyl acetate	43		0.000					ND	
221 Propanol	1		0.000					ND	
222 4-Hydroxy-4-methyl-2-pentanone T	1		0.000					ND	
194 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
195 2-ethoxy-2-methyl butane TIC	1		0.000					ND	
196 Undecane	1		0.000					ND	
197 C6-C10	1		0.000					ND	
198 1,4-Divinylbenzene	1		0.000					ND	
199 n-Octane	1		0.000					ND	
200 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
201 3-Methyl-1-butene	1		0.000					ND	
S 202 Total BTEX	1		0.000					ND	
203 Propene oxide	1		0.000					ND	
219 C4-C12	1		0.000					ND	
209 Methylal	1		0.000					ND	
207 1,1,1,2-Tetrafluoroethane TIC	1		0.000					ND	
233 3-Methylpentane TIC	1		0.000					ND	
234 1-Methylnaphthalene	142		0.000					ND	
235 3-Pentanone TIC	1		0.000					ND	
210 Dimethylformamide TIC	1		0.000					ND	
S 211 Total Diethylbenzene	1		0.000					ND	7
212 C6-C12	1		0.000					ND	
213 1-Bromo-2-chloroethane	1		0.000					ND	
214 Ethyl bromide	1		0.000					ND	
215 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
216 n-Nonane	1		0.000					ND	
S 217 divinyl benzene	1		0.000					ND	7
218 sec-Butyl Alcohol	45		0.000					ND	
193 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
190 4-Ethyltoluene	1		0.000					ND	
191 3-chloro-1-Butene TIC	1		0.000					ND	
192 2-Butoxyethyl acetate	1		0.000					ND	
236 sec-Butyl Alcohol TIC	1		0.000					ND	
224 tert-Butyl Formate	1		0.000					ND	
225 2,3-Dimethylbutane TIC	1		0.000					ND	
226 2,2-Dimethylbutane TIC	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
228 Decamethylcyclopentasiloxane TIC	1		0.000					ND	
229 Dimethyl Sulfide TIC	1		0.000					ND	
230 2,2-Dimethylpropane TIC	1		0.000					ND	
231 2-Methylhexane TIC	1		0.000					ND	
232 1-Methylnaphthalene (TIC)	1		0.000					ND	
208 Gasoline (Unleaded)	1		0.000					ND	
$ 237 trans-1,2,3-Trichlorobutene-2 TI	1		0.000					ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected

Reagents:

MSV_HP23_ISSS_00017 Amount Added: 1.00 Units: uL Run Reagent

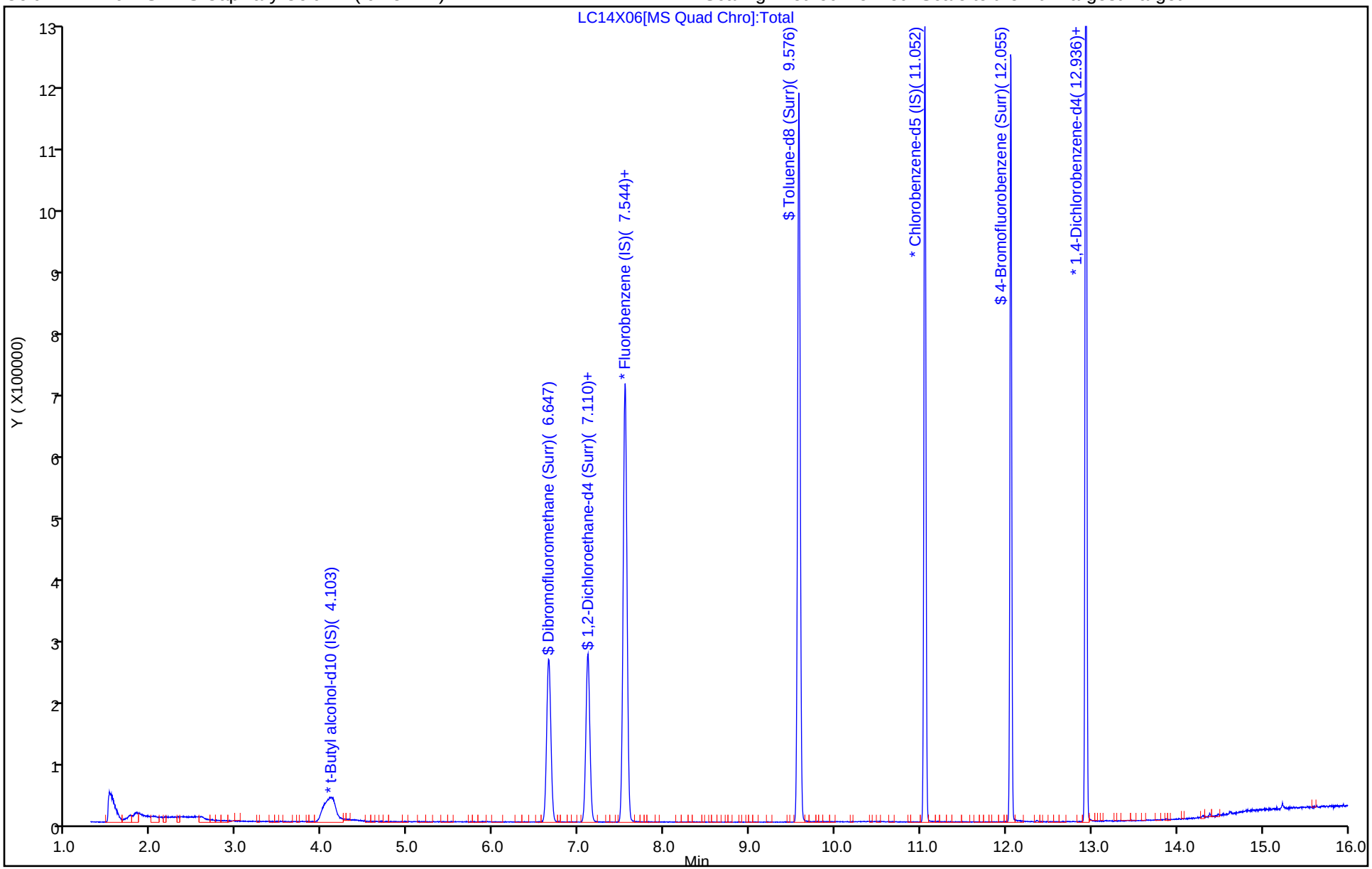
Report Date: 14-Oct-2025 20:38:41 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X06.D

Injection Date:	14-Oct-2025 11:28:57	Instrument ID:	9915	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_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 14-Oct-2025 11:28:57 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-007
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 20:37:57 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 14-Oct-2025 13:07:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	50.7	101.43
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	51.2	102.42
$ 82 Toluene-d8 (Surr)	50.0	50.5	101.07
$ 143 4-Bromofluorobenzene (Surr)	50.0	50.9	101.80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-714112/7

Matrix: Water
Lab File ID: NC15X15.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/15/2025 13:15

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.: 714112
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

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.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-714112/7

Matrix: Water
Lab File ID: NC15X15.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/15/2025 13:15

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.: 714112
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

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)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	106		80-120
1868-53-7	Dibromofluoromethane (Surr)	92		80-120
2037-26-5	Toluene-d8 (Surr)	112		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X15.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 15-Oct-2025 13:15:27 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163218-007
Operator ID: clm27445 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 16-Oct-2025 09:23:49 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1603

First Level Reviewer: TQ4J Date: 15-Oct-2025 14:16:06

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.984					ND	
2	Dichlorodifluoromethane	85		2.038				ND	ND	
3	Chlorodifluoromethane	51		2.041					ND	7
4	Chloromethane	50		2.238				1.00	ND	7
5	Butadiene	39		2.350				1.00	ND	7
6	Vinyl chloride	62		2.370				1.00	ND	7
7	2-Chloro-1,1,1-Trifluoroethane	118		2.443					ND	7
8	Bromomethane	94		2.717				1.00	ND	7
9	Chloroethane	64		2.810				1.00	ND	7
10	Dichlorofluoromethane	67		3.077				1.00	ND	7
11	Trichlorofluoromethane	101		3.141				ND	ND	
12	Pentane	43		3.183				1.00	ND	7
13	Ethanol	45		3.283				62.5	ND	7
14	Ethyl ether	59		3.421					ND	
15	1,2-Dichloro-1,1,2-trifluoroetha	67		3.524				ND	ND	
16	Acrolein	56		3.607				9.76	ND	7
17	1,1-Dichloroethene	96		3.746				1.00	ND	7
19	Acetone	58		3.797				ND	ND	
18	1,1,2-Trichloro-1,2,2-trifluoroe	101		3.797				ND	ND	
20	Iodomethane	142		3.961				ND	ND	
21	Isopropyl alcohol	45		3.977				ND	ND	
22	Carbon disulfide	76		4.067				1.00	ND	7
23	Acetonitrile	41		4.225					ND	7
24	Methyl acetate	43		4.263				1.00	ND	7
25	3-Chloro-1-propene	41		4.279				1.00	ND	7
26	Methylene Chloride	84		4.485				ND	ND	
* 27	t-Butyl alcohol-d10 (IS)	65	4.511	4.514	-0.003	1	516019	250.0	250.0	
28	2-Methyl-2-propanol	59		4.649				ND	ND	
29	Acrylonitrile	53		4.855				2.50	ND	7
31	trans-1,2-Dichloroethene	96		4.910				1.00	ND	7
32	Methyl tert-butyl ether	73		4.916				ND	ND	
33	Hexane	57		5.344				1.00	ND	7

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	35 1,1-Dichloroethane	63		5.585				ND	ND	
	34 Vinyl acetate	43		5.588					ND	7
	36 Isopropyl ether	45		5.652				ND	ND	
	37 2-Chloro-1,3-butadiene	53		5.697				ND	ND	
S	38 1,2-Dichloroethene, Total	100		6.155					ND	7
	39 Tert-butyl ethyl ether	59		6.183				ND	ND	
	40 2-Butanone (MEK)	43		6.392				ND	ND	
	41 cis-1,2-Dichloroethene	96		6.418				ND	ND	
	43 2,2-Dichloropropane	77		6.434				ND	ND	
	42 Ethyl acetate	43		6.459					ND	7
	44 Propionitrile	54		6.501				ND	ND	
	45 Methyl acrylate	55		6.527				ND	ND	U
	46 Methacrylonitrile	67		6.704				ND	ND	
	47 Chlorobromomethane	128		6.752				ND	ND	
	48 Tetrahydrofuran	71		6.758				ND	ND	
	49 Chloroform	83		6.897				ND	ND	
$	50 Dibromofluoromethane (Surr)	113	7.115	7.119	-0.004	93	428986	50.0	45.9	
	51 1,1,1-Trichloroethane	97		7.128				ND	ND	
	55 Isobutyl alcohol	41		7.215				ND	ND	
	52 Cyclohexane	56		7.218				ND	ND	
	53 Carbon tetrachloride	117		7.324				ND	ND	
	54 1,1-Dichloropropene	75		7.337				1.00	ND	7
$	56 1,2-Dichloroethane-d4 (Surr)	102	7.562	7.575	-0.013	30	103572	50.0	49.2	
	57 Benzene	78		7.601				1.00	ND	7
	59 1,2-Dichloroethane	62		7.668				1.00	ND	7
	58 Isopropyl acetate	43		7.681					ND	7
	60 Tert-amyl methyl ether	73		7.784				ND	ND	
	61 t-Amyl alcohol	73	7.871	7.865	0.006	1	81		NC	
*	62 Fluorobenzene (IS)	96	7.993	7.996	-0.003	99	1644785	50.0	50.0	
	63 n-Heptane	43		8.003				1.00	ND	7
	64 n-Butanol	56		8.353				ND	ND	
	65 Trichloroethene	95		8.463				ND	ND	
	66 Ethyl acrylate	55		8.585				ND	ND	
	67 Methylcyclohexane	83		8.768				ND	ND	
	68 2-ethoxy-2-methyl butane	87		8.797				ND	ND	
	69 1,2-Dichloropropane	63		8.800				ND	ND	
	70 Methyl methacrylate	69		8.881				ND	ND	
	71 1,4-Dioxane	88		8.897				ND	ND	
	72 Dibromomethane	93		8.906				ND	ND	
	73 n-Propyl acetate	61		8.958					ND	
	74 Dichlorobromomethane	83		9.138				ND	ND	
	75 2-Nitropropane	41		9.408				5.00	ND	7
	76 2-Chloroethyl vinyl ether	63		9.485				ND	ND	
	77 cis-1,3-Dichloropropene	75		9.659				ND	ND	
	78 4-Methyl-2-pentanone (MIBK)	43		9.826				2.00	ND	7
$	79 Toluene-d8 (Surr)	98	9.951	9.951	0.000	93	1498200	50.0	55.8	
	118 Toluene	92		10.022				1.00	ND	7
S	119 1,3-Dichloropropene, Total	100		10.060					ND	7
	120 trans-1,3-Dichloropropene	75		10.266				1.00	ND	7
	121 Ethyl methacrylate	69		10.321				1.00	ND	7
	122 1,1,2-Trichloroethane	97		10.463				ND	ND	
	123 Tetrachloroethene	166		10.543				ND	ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 1,3-Dichloropropane	76		10.623				ND	ND	
125 3,4-Dichloro-1-butene	75		10.659					ND	7
126 2-Hexanone	43		10.672				2.00	ND	7
127 n-Butyl acetate	43		10.778					ND	7
128 Chlorodibromomethane	129		10.826				ND	ND	
129 Ethylene Dibromide	107		10.938				ND	ND	
S 130 Xylenes, Total	106		11.245					ND	7
* 131 Chlorobenzene-d5 (IS)	117	11.356	11.353	0.003	85	1093068	50.0	50.0	
132 1-Chlorohexane	91		11.356				ND	ND	U
133 Chlorobenzene	112		11.382				ND	ND	
134 1,1,1,2-Tetrachloroethane	131		11.456				ND	ND	
135 Ethylbenzene	91		11.459				1.00	ND	7
136 m-Xylene & p-Xylene	106		11.575				2.00	ND	7
137 n-Butyl acrylate	55		11.842				ND	ND	U
138 o-Xylene	106		11.893				ND	ND	
139 Styrene	104		11.909				1.00	ND	7
140 Bromoform	173		12.064				ND	ND	
141 Isopropylbenzene	105		12.186				1.00	ND	7
143 Cyclohexanone	55		12.273				ND	ND	
142 cis-1,4-Dichloro-2-butene	88	12.330	12.327	0.003	0	20497		5.27	
$ 144 4-Bromofluorobenzene (Surr)	95	12.330	12.327	0.003	88	538154	50.0	53.1	
145 1,1,2,2-Tetrachloroethane	83		12.427				ND	ND	
146 Bromobenzene	156		12.446				ND	ND	
147 trans-1,4-Dichloro-2-butene	53		12.453				ND	ND	
148 1,2,3-Trichloropropane	110		12.472				ND	ND	
149 N-Propylbenzene	91		12.511				1.00	ND	7
150 2-Chlorotoluene	126		12.588				ND	ND	
151 1,3,5-Trimethylbenzene	105		12.643				1.00	ND	7
152 4-Chlorotoluene	126		12.678				1.00	ND	7
153 2,3,4-Trichlorobutene	109		12.691					ND	7
154 tert-Butylbenzene	134		12.881				1.00	ND	7
156 Pentachloroethane	167		12.906					ND	
155 1,2,4-Trimethylbenzene	105		12.922				1.00	ND	7
157 sec-Butylbenzene	105		13.041				1.00	ND	7
158 1,3-Dichlorobenzene	146		13.141				1.00	ND	7
159 4-Isopropyltoluene	119		13.147				1.00	ND	7
* 160 1,4-Dichlorobenzene-d4	152	13.195	13.196	-0.001	95	596988	50.0	50.0	
161 1,4-Dichlorobenzene	146		13.215				1.00	ND	7
162 1,2,3-Trimethylbenzene	105		13.221				1.00	ND	7
163 Benzyl chloride	91		13.292				1.00	ND	7
164 1,3-Diethylbenzene	119		13.344				1.00	ND	7
165 p-Diethylbenzene	119		13.414				1.00	ND	7
166 n-Butylbenzene	92		13.434				1.00	ND	7
167 1,2-Dichlorobenzene	146		13.472				1.00	ND	7
168 o-diethylbenzene	119		13.488				1.00	ND	7
169 Hexachloroethane	201		13.560					ND	
170 1,2-Dibromo-3-Chloropropane	75		14.006				1.00	ND	7
171 1,3,5-Trichlorobenzene	180		14.128				1.00	ND	7
172 1,2,4-Trichlorobenzene	180		14.552				1.00	ND	7
173 2-Ethylhexyl acrylate	55		14.604				ND	ND	U
174 Hexachlorobutadiene	225		14.630				1.00	ND	7
175 Naphthalene	128		14.736				1.00	ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
176 1,2,3-Trichlorobenzene	180		14.880				1.00	ND	7
177 2-Methylnaphthalene	142		15.524				1.00	ND	7
178 C4-C10	1		0.000					ND	
179 C4-C12	1		0.000					ND	
180 C5-C12	1		0.000					ND	
181 2-Butoxyethyl acetate	1		0.000					ND	
182 Gasoline (Unleaded)	1		0.000					ND	
183 TAH TIC	1		0.000					ND	
184 Dimethyl Sulfide	1		0.000					ND	
236 4-Hydroxy-4-methyl-2-pentanone T	1		0.000					ND	
S 237 divinyl benzene	1		0.000					ND	7
$ 187 trans-1,2,3-Trichlorobutene-2 T	1		0.000					ND	
188 sec-Butyl Alcohol TIC	1		0.000					ND	
189 1,1,1,2-Tetrafluoroethane TIC	1		0.000					ND	
190 Phosgene TIC	1		0.000					ND	
191 2-ethoxy-2-methyl butane TIC	1		0.000					ND	
192 2,3-Dimethylbutane TIC	1		0.000					ND	
S 238 Total Diethylbenzene	1		0.000					ND	7
217 3-chloro-1-Butene	1		0.000					ND	
195 Methyl Isocyanate TIC	1		0.000					ND	
186 C7-C12	1		0.000					ND	
185 1-Methylnaphthalene	142		0.000					ND	
194 2,2-Dimethylbutane TIC	1		0.000					ND	
306 Chloromethyl methyl ether TIC	1		0.000					ND	
235 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
305 1,2 Epoxybutane TIC	1		0.000					ND	
304 1,2-Propyleneimine TIC	1		0.000					ND	
303 Tetrachloroethene TIC	1		0.000					ND	
302 Methyl mercaptan TIC	1		0.000					ND	
301 Trichloroethene TIC	1		0.000					ND	
300 Diazomethane TIC	1		0.000					ND	
299 Aziridine TIC	1		0.000					ND	
298 d-Limonene	1		0.000					ND	
242 3-Methylhexane TIC	1		0.000					ND	
241 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
240 Diethoxymethane	1		0.000					ND	
239 1-Chlorobutane	1		0.000					ND	
214 1-Bromo-2-chloroethane	1		0.000					ND	
215 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
216 C6-C10	1		0.000					ND	
210 Propene oxide	1		0.000					ND	
218 C6-C12	1		0.000					ND	
219 3-Methyl-1-butene	1		0.000					ND	
220 n-Decane	57		0.000					ND	
221 Dodecane	57		0.000					ND	
222 Butane	1		0.000					ND	
223 tert-Butyl Formate	1		0.000					ND	
211 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
212 Ethyl bromide	1		0.000					ND	
226 Undecane	1		0.000					ND	
227 sec-Butyl Alcohol	45		0.000					ND	
S 228 Total BTEX	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
229 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
230 Propanol	1		0.000					ND	
231 n-Nonane	1		0.000					ND	
213 1,3-Divinylbenzene	1		0.000					ND	
193 Methylcyclopentane TIC	1		0.000					ND	
234 bis(2-chloromethyl)ether TIC	1		0.000					ND	
225 Chloroacetonitrile	1		0.000					ND	
209 Styrene oxide TIC	1		0.000					ND	
208 1,4-Divinylbenzene	1		0.000					ND	
207 Carbonyl sulfide TIC	1		0.000					ND	
206 Dimethylformamide TIC	1		0.000					ND	
205 Decamethylcyclopentasiloxane TIC	1		0.000					ND	
203 2,2-Dimethylpropane TIC	1		0.000					ND	
202 3-chloro-1-Butene TIC	1		0.000					ND	
201 2-Methylhexane TIC	1		0.000					ND	
200 4-Ethyltoluene	1		0.000					ND	
199 3-Pentanone TIC	1		0.000					ND	
198 1-Methylnaphthalene (TIC)	1		0.000					ND	
197 3-Methylpentane TIC	1		0.000					ND	
196 Cyclopentane TIC	1		0.000					ND	
233 n-Octane	1		0.000					ND	
232 Isobutyl acetate	43		0.000					ND	
224 Methylal	1		0.000					ND	
307 Vinyl chloride TIC	1		0.000					ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected

Reagents:

MSV_4ppbEtoh_00808	Amount Added: 12.50	Units: mL	
MSV_Cent_ISSS_00045	Amount Added: 5.00	Units: uL	Run Reagent

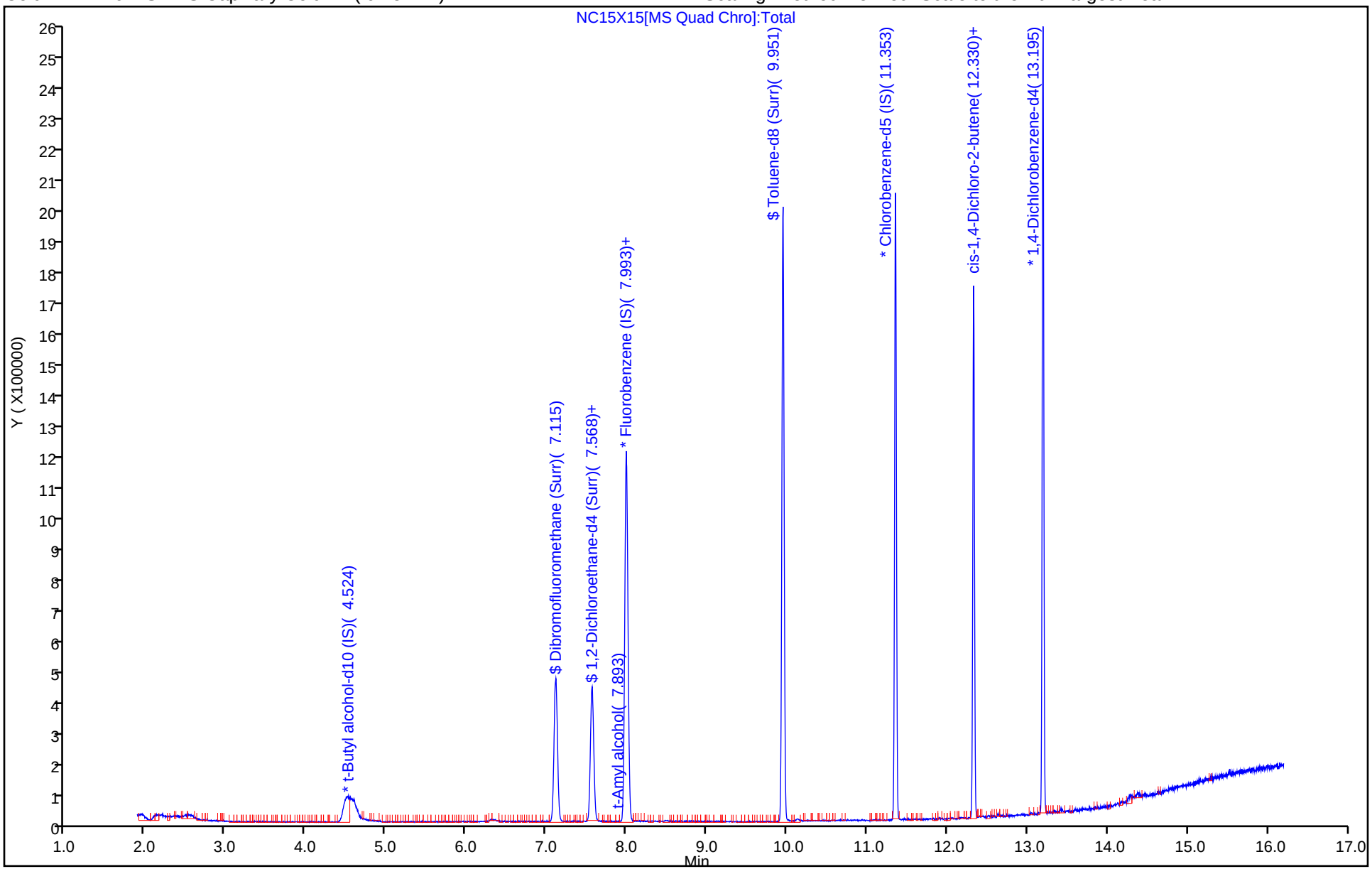
Report Date: 16-Oct-2025 09:26:10 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X15.D

Injection Date:	15-Oct-2025 13:15:27	Instrument ID:	7159	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_7159	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X15.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	15-Oct-2025 13:15:27	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0163218-007				
Operator ID:	clm27445	Instrument ID:	7159		
Method:	\\chromfs\Lancaster\ChromData\7159\20251015-163218.b\MSVoa_7159.m				
Limit Group:	MSV - 8260C_D				
Last Update:	16-Oct-2025 09:23:49	Calib Date:	22-Sep-2025 22:59:14		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1603				

First Level Reviewer: TQ4J Date: 15-Oct-2025 14:16:06

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	45.9	91.76
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	49.2	98.31
$ 79 Toluene-d8 (Surr)	50.0	55.8	111.59
$ 144 4-Bromofluorobenzene (Surr)	50.0	53.1	106.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-714809/10

Matrix: Water
Lab File ID: LC16X09.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/16/2025 11:21

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.: 714809
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-714809/10

Matrix: Water
Lab File ID: LC16X09.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/16/2025 11:21

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.: 714809
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

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)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X09.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 16-Oct-2025 11:21:26 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163364-010
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2025 14:27:07 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1643

First Level Reviewer: TQ4J Date: 16-Oct-2025 13:07:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116		1.830					ND	
3 Dichlorodifluoromethane	85		1.872					ND	
4 Chlorodifluoromethane	51		1.882					ND	
5 Chloromethane	50		2.065					ND	
6 Butadiene	39		2.168					ND	7
7 Vinyl chloride	62		2.174					ND	
8 2-Chloro-1,1,1-Trifluoroethane	118		2.248					ND	
9 Bromomethane	94		2.502					ND	
10 Chloroethane	64		2.560					ND	
11 Dichlorofluoromethane	67		2.808					ND	
12 Pentane	43		2.853					ND	7
13 Trichlorofluoromethane	101		2.878					ND	
15 Ethyl ether	59		3.062					ND	
14 Ethanol	45		3.062					ND	
16 1,2-Dichloro-1,1,2-trifluoroetha	67		3.181					ND	
17 Acrolein	56		3.229					ND	
18 1,1-Dichloroethene	96		3.367					ND	7
19 Acetone	58		3.406					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.425					ND	
21 Isopropyl alcohol	45		3.582					ND	
22 Iodomethane	142		3.586					ND	
23 Carbon disulfide	76		3.672					ND	
25 Methyl acetate	43		3.795					ND	7
24 Acetonitrile	41		3.798					ND	
26 3-Chloro-1-propene	41		3.827					ND	7
27 Methylene Chloride	84		4.013					ND	
* 28 t-Butyl alcohol-d10 (IS)	65	4.110	4.097	0.013	5	185298	250.0	250.0	
29 2-Methyl-2-propanol	59		4.203					ND	
30 Acrylonitrile	53		4.344					ND	
31 Methyl tert-butyl ether	73		4.386					ND	
32 trans-1,2-Dichloroethene	96		4.402					ND	
35 Hexane	57		4.836					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 1,1-Dichloroethane	63		5.081					ND	
37 Vinyl acetate	43		5.103					ND	
38 Isopropyl ether	45		5.139					ND	
39 2-Chloro-1,3-butadiene	53		5.190					ND	
40 Tert-butyl ethyl ether	59		5.679					ND	
41 2-Butanone (MEK)	43		5.923					ND	7
42 cis-1,2-Dichloroethene	96		5.930					ND	7
43 2,2-Dichloropropane	77		5.959					ND	
44 Ethyl acetate	43		6.007					ND	
45 Propionitrile	54		6.020					ND	
46 Methyl acrylate	55		6.039					ND	
S 47 1,2-Dichloroethene, Total	100		6.155					ND	7
48 Methacrylonitrile	67		6.229					ND	
49 Chlorobromomethane	128		6.267					ND	
50 Tetrahydrofuran	71		6.283					ND	
51 Chloroform	83		6.428					ND	
53 1,1,1-Trichloroethane	97		6.647					ND	
$ 52 Dibromofluoromethane (Surr)	113	6.653	6.647	0.006	94	247840	50.0	50.2	
54 Cyclohexane	56		6.746					ND	
56 Carbon tetrachloride	117		6.859					ND	
55 1,1-Dichloropropene	75		6.862					ND	
57 Isobutyl alcohol	41		7.071					ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.103	7.110	-0.007	72	62356	50.0	50.9	
59 Benzene	78		7.126					ND	
60 1,2-Dichloroethane	62		7.209					ND	
61 Isopropyl acetate	43		7.238					ND	
62 Tert-amyl methyl ether	73		7.319					ND	
* 63 Fluorobenzene (IS)	96	7.544	7.544	0.000	99	984238	50.0	50.0	
64 n-Heptane	43		7.547					ND	7
65 t-Amyl alcohol	73	7.547	7.618	-0.071	38	10167		NC	
66 n-Butanol	56		7.955					ND	
67 Trichloroethene	95		8.013					ND	
68 Ethyl acrylate	55		8.148					ND	
69 Methylcyclohexane	83		8.315					ND	
70 1,2-Dichloropropane	63		8.354					ND	
71 2-ethoxy-2-methyl butane	87		8.364					ND	
72 Methyl methacrylate	69		8.447					ND	
73 1,4-Dioxane	88		8.457					ND	
74 Dibromomethane	93		8.467					ND	
75 n-Propyl acetate	61		8.544					ND	
76 Dichlorobromomethane	83		8.704					ND	
77 2-Nitropropane	41		8.991					ND	
78 2-Chloroethyl vinyl ether	63		9.074					ND	
79 cis-1,3-Dichloropropene	75		9.261					ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.454					ND	
$ 82 Toluene-d8 (Surr)	98	9.579	9.576	0.003	93	885326	50.0	49.1	
83 Toluene	92		9.653					ND	
95 trans-1,3-Dichloropropene	75		9.923					ND	
96 Ethyl methacrylate	69		9.987					ND	
S 116 1,3-Dichloropropene, Total	100		10.060					ND	7
118 1,1,2-Trichloroethane	97		10.129					ND	
119 Tetrachloroethene	166		10.206					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 1,3-Dichloropropane	76		10.293					ND	
121 3,4-Dichloro-1-butene	75		10.332					ND	
122 2-Hexanone	43		10.354					ND	
123 n-Butyl acetate	43		10.476					ND	
124 Chlorodibromomethane	129		10.508					ND	
125 Ethylene Dibromide	107		10.618					ND	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	679576	50.0	50.0	
127 1-Chlorohexane	91		11.064					ND	U
128 Chlorobenzene	112		11.077					ND	
132 1,1,1,2-Tetrachloroethane	131		11.161					ND	
133 Ethylbenzene	91		11.164					ND	
S 134 Xylenes, Total	106		11.245					ND	7
135 m-Xylene & p-Xylene	106		11.280					ND	
136 n-Butyl acrylate	55		11.569					ND	
137 o-Xylene	106		11.611					ND	
138 Styrene	104		11.627					ND	
139 Bromoform	173		11.781					ND	
140 Isopropylbenzene	105		11.913					ND	
141 cis-1,4-Dichloro-2-butene	88		11.965					ND	U
142 Cyclohexanone	55		11.994					ND	U
$ 143 4-Bromofluorobenzene (Surr)	95	12.058	12.055	0.003	94	330234	50.0	51.2	
146 1,1,2,2-Tetrachloroethane	83		12.164					ND	7
147 Bromobenzene	156		12.171					ND	
148 trans-1,4-Dichloro-2-butene	53		12.190					ND	
149 1,2,3-Trichloropropane	110		12.209					ND	
150 N-Propylbenzene	91		12.241					ND	
151 2-Chlorotoluene	126		12.315					ND	
152 1,3,5-Trimethylbenzene	105		12.376					ND	
153 4-Chlorotoluene	126		12.408					ND	
154 2,3,4-Trichlorobutene	109		12.431					ND	
155 tert-Butylbenzene	134		12.621					ND	
156 Pentachloroethane	167		12.650					ND	
157 1,2,4-Trimethylbenzene	105		12.662					ND	
158 sec-Butylbenzene	105		12.781					ND	
159 1,3-Dichlorobenzene	146		12.881					ND	
160 4-Isopropyltoluene	119		12.891					ND	7
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	94	448407	50.0	50.0	
162 1,4-Dichlorobenzene	146		12.955					ND	
163 1,2,3-Trimethylbenzene	105		12.965					ND	7
165 Benzyl chloride	91		13.032					ND	U
166 1,3-Diethylbenzene	119		13.090					ND	
167 p-Diethylbenzene	119		13.164					ND	
168 n-Butylbenzene	92		13.183					ND	
169 1,2-Dichlorobenzene	146		13.212					ND	
170 o-diethylbenzene	119		13.235					ND	
171 Hexachloroethane	201		13.409					ND	
172 1,2-Dibromo-3-Chloropropane	75		13.756					ND	
173 1,3,5-Trichlorobenzene	180		13.878					ND	7
174 1,2,4-Trichlorobenzene	180		14.302					ND	7
175 2-Ethylhexyl acrylate	55		14.367					ND	
176 Hexachlorobutadiene	225		14.383					ND	
177 Naphthalene	128		14.482					ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
178 1,2,3-Trichlorobenzene	180		14.624					ND	7
179 2-Methylnaphthalene	142		15.235					ND	7
180 C4-C10	1		0.000					ND	
204 1-Chlorobutane	1		0.000					ND	
205 Cyclopentane TIC	1		0.000					ND	
206 3-Methylhexane TIC	1		0.000					ND	
181 n-Decane	57		0.000					ND	
182 Diethoxymethane	1		0.000					ND	
183 Dodecane	57		0.000					ND	
184 Chloroacetonitrile	1		0.000					ND	
185 Butane	1		0.000					ND	
186 3-chloro-1-Butene	1		0.000					ND	
187 1,3-Divinylbenzene	1		0.000					ND	
188 C5-C12	1		0.000					ND	
189 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
223 C7-C12	1		0.000					ND	
220 Isobutyl acetate	43		0.000					ND	
221 Propanol	1		0.000					ND	
222 4-Hydroxy-4-methyl-2-pentanone T	1		0.000					ND	
194 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
195 2-ethoxy-2-methyl butane TIC	1		0.000					ND	
196 Undecane	1		0.000					ND	
197 C6-C10	1		0.000					ND	
198 1,4-Divinylbenzene	1		0.000					ND	
199 n-Octane	1		0.000					ND	
200 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
201 3-Methyl-1-butene	1		0.000					ND	
S 202 Total BTEX	1		0.000					ND	
203 Propene oxide	1		0.000					ND	
219 C4-C12	1		0.000					ND	
209 Methylal	1		0.000					ND	
207 1,1,1,2-Tetrafluoroethane TIC	1		0.000					ND	
233 3-Methylpentane TIC	1		0.000					ND	
234 1-Methylnaphthalene	142		0.000					ND	
235 3-Pentanone TIC	1		0.000					ND	
210 Dimethylformamide TIC	1		0.000					ND	
S 211 Total Diethylbenzene	1		0.000					ND	7
212 C6-C12	1		0.000					ND	
213 1-Bromo-2-chloroethane	1		0.000					ND	
214 Ethyl bromide	1		0.000					ND	
215 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
216 n-Nonane	1		0.000					ND	
S 217 divinyl benzene	1		0.000					ND	7
218 sec-Butyl Alcohol	45		0.000					ND	
193 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
190 4-Ethyltoluene	1		0.000					ND	
191 3-chloro-1-Butene TIC	1		0.000					ND	
192 2-Butoxyethyl acetate	1		0.000					ND	
236 sec-Butyl Alcohol TIC	1		0.000					ND	
224 tert-Butyl Formate	1		0.000					ND	
225 2,3-Dimethylbutane TIC	1		0.000					ND	
226 2,2-Dimethylbutane TIC	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
228 Decamethylcyclopentasiloxane TIC	1		0.000					ND	
229 Dimethyl Sulfide TIC	1		0.000					ND	
230 2,2-Dimethylpropane TIC	1		0.000					ND	
231 2-Methylhexane TIC	1		0.000					ND	
232 1-Methylnaphthalene (TIC)	1		0.000					ND	
208 Gasoline (Unleaded)	1		0.000					ND	
$ 237 trans-1,2,3-Trichlorobutene-2 TI	1		0.000					ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected

Reagents:

MSV_HP23_ISSS_00017 Amount Added: 1.00 Units: uL Run Reagent

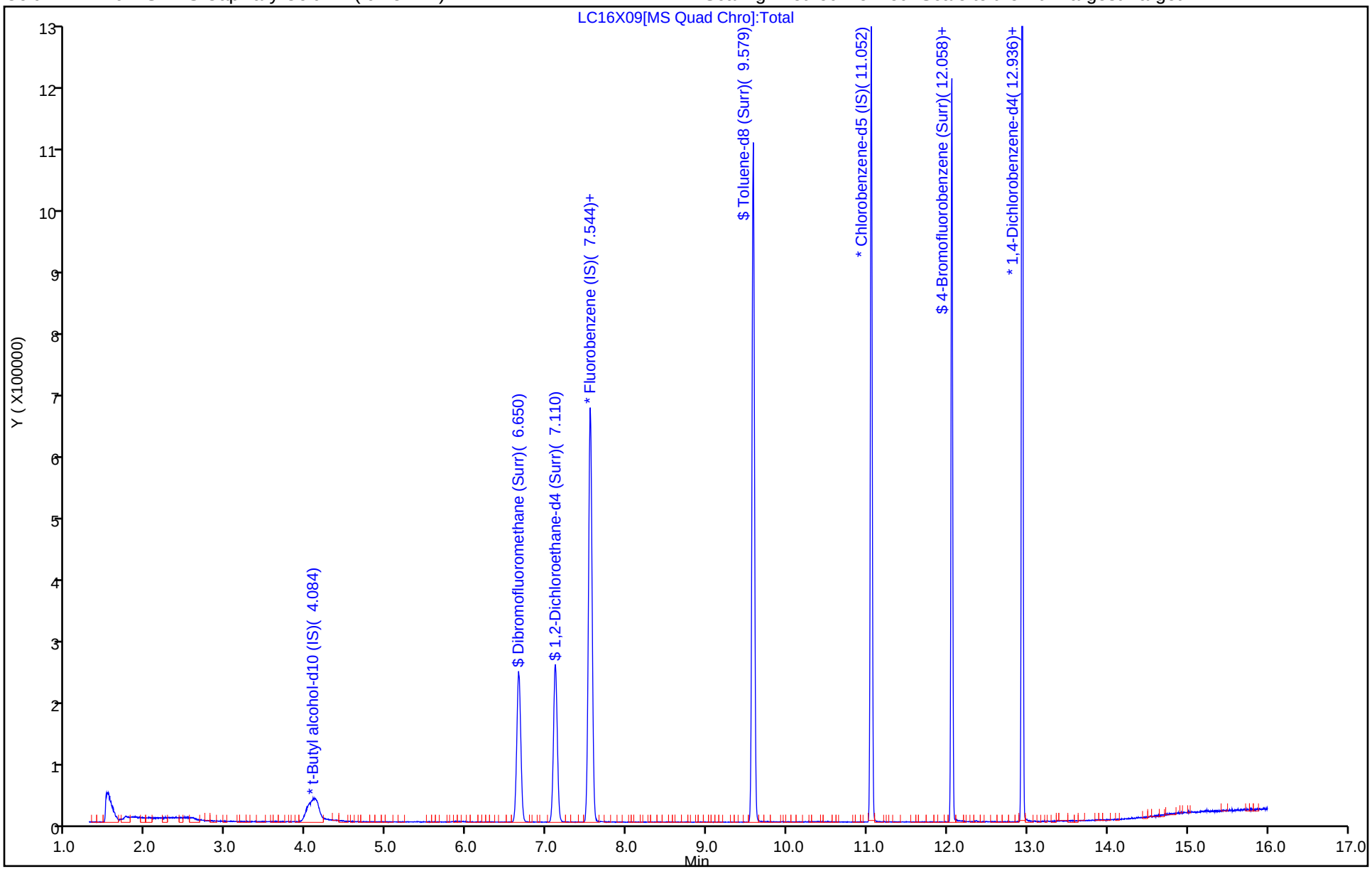
Report Date: 17-Oct-2025 14:27:08 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X09.D

Injection Date:	16-Oct-2025 11:21:26	Instrument ID:	9915	Operator ID:	clm27445
Lims ID:	MB			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X09.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 16-Oct-2025 11:21:26 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163364-010
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2025 14:27:07 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1643

First Level Reviewer: TQ4J Date: 16-Oct-2025 13:07:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	50.2	100.36
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	50.9	101.88
$ 82 Toluene-d8 (Surr)	50.0	49.1	98.29
$ 143 4-Bromofluorobenzene (Surr)	50.0	51.2	102.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-712932/4

Matrix: Water
Lab File ID: NC13X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/13/2025 11:12

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.: 712932
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	21.0		1.0	0.30
71-55-6	1,1,1-Trichloroethane	18.4		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	26.8		1.0	0.30
79-00-5	1,1,2-Trichloroethane	22.5		1.0	0.30
75-34-3	1,1-Dichloroethane	22.7		1.0	0.30
75-35-4	1,1-Dichloroethene	20.4		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	20.2		1.0	0.20
107-06-2	1,2-Dichloroethane	18.1		1.0	0.30
78-87-5	1,2-Dichloropropane	22.9		1.0	0.30
78-93-3	2-Butanone (MEK)	264		10	1.0
591-78-6	2-Hexanone	293		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	260		10	0.50
67-64-1	Acetone	270		20	0.70
71-43-2	Benzene	21.4		1.0	0.30
74-97-5	Bromochloromethane	18.2		5.0	0.20
75-27-4	Bromodichloromethane	18.7		1.0	0.20
75-25-2	Bromoform	17.6		4.0	1.0
74-83-9	Bromomethane	19.6		1.0	0.30
75-15-0	Carbon disulfide	21.8		5.0	0.30
56-23-5	Carbon tetrachloride	16.8		1.0	0.30
108-90-7	Chlorobenzene	20.4		1.0	0.30
75-00-3	Chloroethane	22.5		1.0	0.30
67-66-3	Chloroform	19.1		1.0	0.30
74-87-3	Chloromethane	21.6		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	20.2		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.1		1.0	0.20
124-48-1	Dibromochloromethane	19.0		1.0	0.20
100-41-4	Ethylbenzene	21.5		1.0	0.40
1634-04-4	Methyl tert-butyl ether	19.0		1.0	0.20
75-09-2	Methylene Chloride	22.1		1.0	0.30
100-42-5	Styrene	20.1		5.0	0.30
127-18-4	Tetrachloroethene	17.6		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-712932/4

Matrix: Water
Lab File ID: NC13X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/13/2025 11:12

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.: 712932
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	22.4		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	19.6		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	22.0		1.0	0.20
79-01-6	Trichloroethene	18.3		1.0	0.30
75-01-4	Vinyl chloride	22.3		1.0	0.30
1330-20-7	Xylenes, Total	62.7		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	91		80-120
2037-26-5	Toluene-d8 (Surr)	111		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 13-Oct-2025 11:12:38 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162929-004
Operator ID: knk41612 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 13-Oct-2025 14:10:31 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

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

First Level Reviewer: DVW2 Date: 13-Oct-2025 11:48:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.035	2.038	-0.003	99	338271	20.0	16.6	
4 Chloromethane	50	2.241	2.241	0.000	99	316052	20.0	21.6	a
5 Butadiene	39	2.353	2.353	0.000	90	201085	20.0	21.3	
6 Vinyl chloride	62	2.366	2.366	0.000	98	328438	20.0	22.3	
8 Bromomethane	94	2.707	2.707	0.000	90	224465	20.0	19.6	
9 Chloroethane	64	2.800	2.820	-0.020	99	152543	20.0	22.5	
10 Dichlorofluoromethane	67	3.070	3.074	-0.004	96	402859	20.0	20.8	
11 Trichlorofluoromethane	101	3.147	3.144	0.003	85	248822	20.0	12.6	
12 Pentane	43	3.180	3.186	-0.006	96	190038	20.0	20.8	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.504	3.511	-0.007	89	192868	20.0	21.9	
16 Acrolein	56	3.607	3.610	-0.003	100	255552	146.3	149.6	
17 1,1-Dichloroethene	96	3.752	3.752	0.000	96	138148	20.0	20.4	
19 Acetone	58	3.800	3.797	0.003	99	233198	250.0	270.0	
18 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.803	3.800	0.003	82	179755	20.0	18.3	M
20 Iodomethane	142	3.958	3.961	-0.003	98	253007	20.0	15.6	
21 Isopropyl alcohol	45	3.980	3.983	-0.003	45	112399	150.0	103.7	
22 Carbon disulfide	76	4.067	4.070	-0.003	99	494860	20.0	21.8	
24 Methyl acetate	43	4.257	4.263	-0.006	94	101332	20.0	19.8	
25 3-Chloro-1-propene	41	4.282	4.289	-0.007	91	174500	20.0	22.0	
26 Methylene Chloride	84	4.491	4.492	-0.001	89	164082	20.0	22.1	M
* 27 t-Butyl alcohol-d10 (IS)	65	4.511	4.511	0.000	92	375005	250.0	250.0	
28 2-Methyl-2-propanol	59	4.662	4.646	0.016	99	312783	200.0	197.4	
29 Acrylonitrile	53	4.861	4.855	0.006	100	321962	100.0	112.6	
32 Methyl tert-butyl ether	73	4.913	4.919	-0.006	93	439875	20.0	19.0	
31 trans-1,2-Dichloroethene	96	4.916	4.922	-0.006	98	148570	20.0	19.6	
33 Hexane	57	5.356	5.356	0.000	89	179529	20.0	21.0	M
35 1,1-Dichloroethane	63	5.591	5.591	0.000	84	259602	20.0	22.7	M
36 Isopropyl ether	45	5.659	5.655	0.004	97	403107	20.0	21.8	
37 2-Chloro-1,3-butadiene	53	5.704	5.704	0.000	90	182943	20.0	19.1	M
39 Tert-butyl ethyl ether	59	6.183	6.189	-0.006	96	399342	20.0	19.4	M
40 2-Butanone (MEK)	43	6.395	6.405	-0.010	99	969871	250.0	264.3	
41 cis-1,2-Dichloroethene	96	6.421	6.427	-0.006	78	175366	20.0	20.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 2,2-Dichloropropane	77	6.437	6.440	-0.003	63	256862	20.0	20.0	
44 Propionitrile	54	6.491	6.501	-0.010	99	209609	150.0	153.2	a
46 Methacrylonitrile	67	6.707	6.710	-0.003	89	509698	150.0	163.5	
47 Chlorobromomethane	128	6.755	6.755	0.000	89	86308	20.0	18.2	
48 Tetrahydrofuran	71	6.758	6.762	-0.004	77	124548	100.0	98.1	
49 Chloroform	83	6.903	6.903	0.000	92	270228	20.0	19.1	
$ 50 Dibromofluoromethane (Surr)	113	7.118	7.118	0.000	93	318728	50.0	45.6	
51 1,1,1-Trichloroethane	97	7.125	7.128	-0.003	96	267346	20.0	18.4	
52 Cyclohexane	56	7.218	7.218	0.000	92	259370	20.0	20.9	
53 Carbon tetrachloride	117	7.334	7.331	0.003	90	229266	20.0	16.8	
54 1,1-Dichloropropene	75	7.334	7.337	-0.003	97	185382	20.0	19.7	
55 Isobutyl alcohol	41	7.491	7.491	0.000	97	200406	500.0	458.2	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.569	7.572	-0.003	96	77819	50.0	49.4	
57 Benzene	78	7.597	7.604	-0.007	96	597074	20.0	21.4	
59 1,2-Dichloroethane	62	7.675	7.675	0.000	97	164542	20.0	18.1	
60 Tert-amyl methyl ether	73	7.787	7.790	-0.003	99	404718	20.0	19.5	
* 62 Fluorobenzene (IS)	96	7.999	7.996	0.003	98	1229179	50.0	50.0	
63 n-Heptane	43	7.999	8.003	-0.004	45	158146	20.0	22.0	
64 n-Butanol	56	8.356	8.356	0.000	86	340993	1000.0	1020.2	
65 Trichloroethene	95	8.469	8.469	0.000	99	151005	20.0	18.3	
67 Methylcyclohexane	83	8.774	8.778	-0.004	88	276685	20.0	18.6	
69 1,2-Dichloropropane	63	8.800	8.803	-0.003	75	150944	20.0	22.9	
68 2-ethoxy-2-methyl butane	87	8.803	8.810	-0.007	93	215558	20.0	19.2	
70 Methyl methacrylate	69	8.880	8.884	-0.004	89	95560	20.0	18.6	
71 1,4-Dioxane	88	8.880	8.893	-0.013	75	59216	500.0	512.4	M
72 Dibromomethane	93	8.909	8.913	-0.004	97	95051	20.0	19.4	
74 Dichlorobromomethane	83	9.141	9.138	0.003	99	182368	20.0	18.7	
75 2-Nitropropane	41	9.414	9.411	0.003	100	33319	20.0	15.3	
76 2-Chloroethyl vinyl ether	63	9.488	9.482	0.006	92	72335	20.0	17.2	
77 cis-1,3-Dichloropropene	75	9.659	9.659	-0.001	98	188622	20.0	18.1	
78 4-Methyl-2-pentanone (MIBK)	43	9.826	9.829	-0.003	95	2147948	250.0	260.4	
$ 79 Toluene-d8 (Surr)	98	9.951	9.954	-0.003	93	1130114	50.0	55.5	
118 Toluene	92	10.025	10.028	-0.003	98	352507	20.0	22.4	
120 trans-1,3-Dichloropropene	75	10.269	10.269	0.000	90	175248	20.0	22.0	
121 Ethyl methacrylate	69	10.324	10.324	0.000	87	161033	20.0	21.5	
122 1,1,2-Trichloroethane	97	10.469	10.469	0.000	89	124555	20.0	22.5	
123 Tetrachloroethene	166	10.543	10.546	-0.003	96	155615	20.0	17.6	
124 1,3-Dichloropropane	76	10.626	10.626	0.000	87	190552	20.0	22.9	
126 2-Hexanone	43	10.671	10.675	-0.004	95	1367029	250.0	292.9	
128 Chlorodibromomethane	129	10.832	10.832	0.000	89	137074	20.0	19.0	
129 Ethylene Dibromide	107	10.941	10.942	-0.001	98	120494	20.0	20.2	
* 131 Chlorobenzene-d5 (IS)	117	11.356	11.356	0.000	85	829049	50.0	50.0	
132 1-Chlorohexane	91	11.359	11.359	0.000	95	180226	20.0	20.2	
133 Chlorobenzene	112	11.382	11.382	0.000	96	380331	20.0	20.4	
134 1,1,1,2-Tetrachloroethane	131	11.462	11.459	0.003	96	173039	20.0	21.0	
135 Ethylbenzene	91	11.462	11.466	-0.004	98	671566	20.0	21.5	
136 m-Xylene & p-Xylene	106	11.575	11.575	0.000	99	520997	40.0	42.0	
138 o-Xylene	106	11.896	11.896	0.000	96	267595	20.0	20.7	
139 Styrene	104	11.912	11.909	0.003	94	395912	20.0	20.1	
140 Bromoform	173	12.064	12.064	0.000	96	94984	20.0	17.6	
141 Isopropylbenzene	105	12.189	12.189	0.000	95	766807	20.0	21.5	
$ 144 4-Bromofluorobenzene (Surr)	95	12.330	12.331	-0.001	89	382025	50.0	49.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
145 1,1,2,2-Tetrachloroethane	83	12.427	12.430	-0.003	93	212943	20.0	26.8	
146 Bromobenzene	156	12.446	12.450	-0.004	95	157409	20.0	18.9	
147 trans-1,4-Dichloro-2-butene	53	12.456	12.453	0.003	90	241960	100.0	121.8	
148 1,2,3-Trichloropropane	110	12.475	12.475	0.000	82	60517	20.0	22.3	
149 N-Propylbenzene	91	12.511	12.511	0.000	99	888190	20.0	25.4	
150 2-Chlorotoluene	126	12.588	12.588	0.000	97	174497	20.0	21.9	
151 1,3,5-Trimethylbenzene	105	12.642	12.642	0.000	96	637967	20.0	23.2	
152 4-Chlorotoluene	126	12.678	12.678	0.000	97	166160	20.0	21.8	
154 tert-Butylbenzene	134	12.884	12.884	0.000	92	128123	20.0	21.0	
155 1,2,4-Trimethylbenzene	105	12.922	12.922	0.000	97	631841	20.0	22.5	
157 sec-Butylbenzene	105	13.041	13.044	-0.003	94	861901	20.0	24.7	
158 1,3-Dichlorobenzene	146	13.141	13.141	0.000	98	328333	20.0	21.0	
159 4-Isopropyltoluene	119	13.147	13.147	0.000	97	698226	20.0	22.3	
* 160 1,4-Dichlorobenzene-d4	152	13.195	13.195	0.000	94	451891	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.215	13.215	0.000	95	324784	20.0	20.9	
162 1,2,3-Trimethylbenzene	105	13.224	13.224	0.000	98	669214	20.0	23.5	
163 Benzyl chloride	91	13.292	13.292	0.000	98	400700	20.0	28.4	
164 1,3-Diethylbenzene	119	13.343	13.343	0.000	95	404731	20.0	23.5	
165 p-Diethylbenzene	119	13.414	13.414	0.000	95	417977	20.0	23.2	
166 n-Butylbenzene	92	13.433	13.437	-0.004	98	357320	20.0	26.6	
167 1,2-Dichlorobenzene	146	13.472	13.475	-0.003	99	333631	20.0	21.5	
168 o-diethylbenzene	119	13.488	13.488	0.000	96	359971	20.0	23.3	
170 1,2-Dibromo-3-Chloropropane	75	14.009	14.009	0.000	86	47209	20.0	22.1	
171 1,3,5-Trichlorobenzene	180	14.128	14.131	-0.003	98	247445	20.0	19.3	
172 1,2,4-Trichlorobenzene	180	14.552	14.552	0.000	94	235068	20.0	19.7	
174 Hexachlorobutadiene	225	14.629	14.630	-0.001	98	81916	20.0	16.6	
175 Naphthalene	128	14.739	14.736	0.003	97	786721	20.0	22.2	
176 1,2,3-Trichlorobenzene	180	14.877	14.877	0.000	95	241505	20.0	19.8	
177 2-Methylnaphthalene	142	15.523	15.523	0.000	91	463234	20.0	22.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LCS_ACROL_00249	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00272	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00252	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00244	Amount Added: 50.00	Units: uL	
MSV_Cent_ISSS_00045	Amount Added: 5.00	Units: uL	Run Reagent

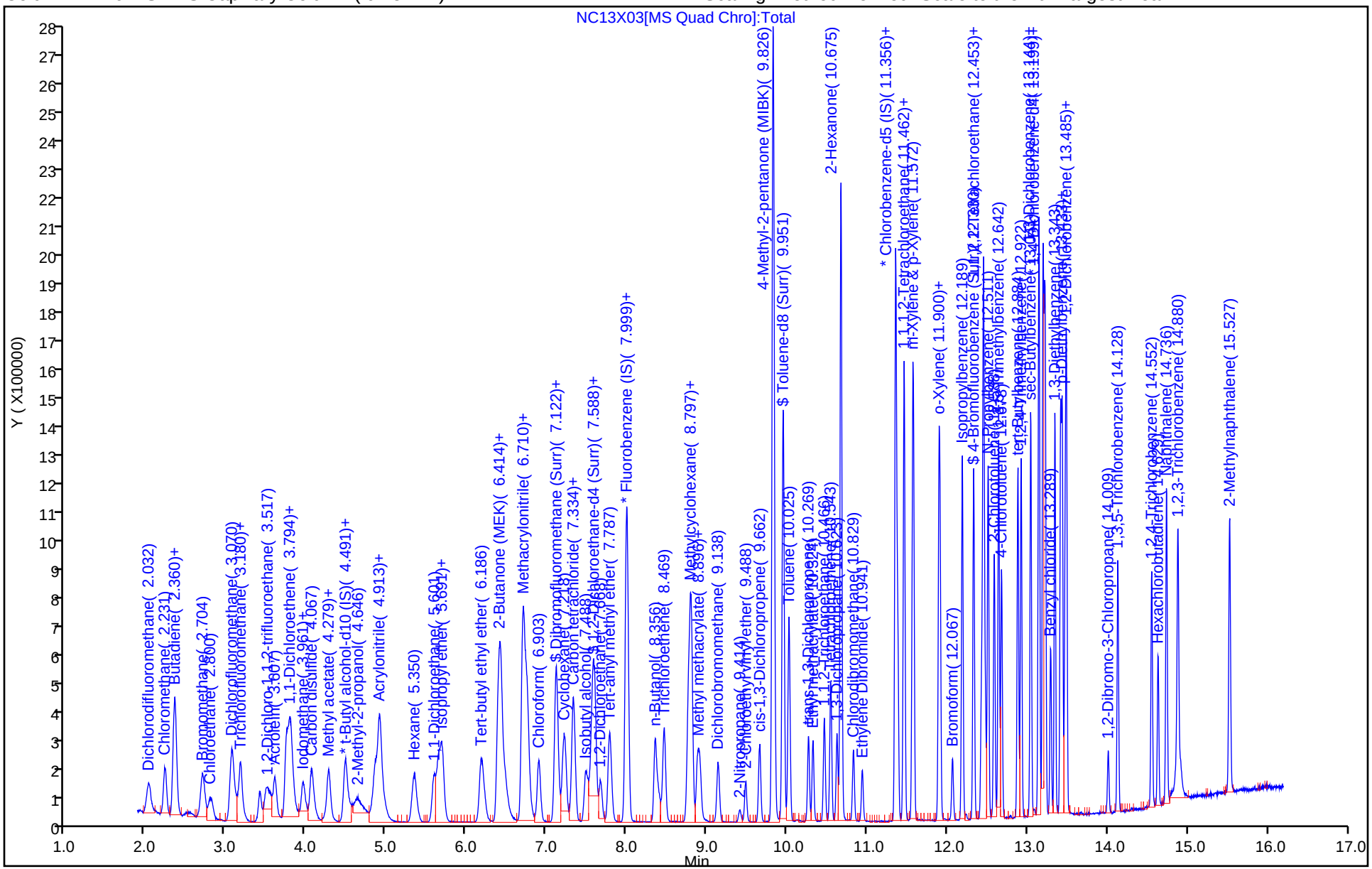
Report Date: 13-Oct-2025 14:10:41 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X03.D

Injection Date:	13-Oct-2025 11:12:38	Instrument ID:	7159	Operator ID:	knk41612
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 13-Oct-2025 11:12:38 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162929-004
Operator ID: knk41612 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 13-Oct-2025 14:10:31 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

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

First Level Reviewer: DVW2 Date: 13-Oct-2025 11:48:56

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	45.6	91.23
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	49.4	98.84
$ 79 Toluene-d8 (Surr)	50.0	55.5	110.98
$ 144 4-Bromofluorobenzene (Surr)	50.0	49.7	99.35

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

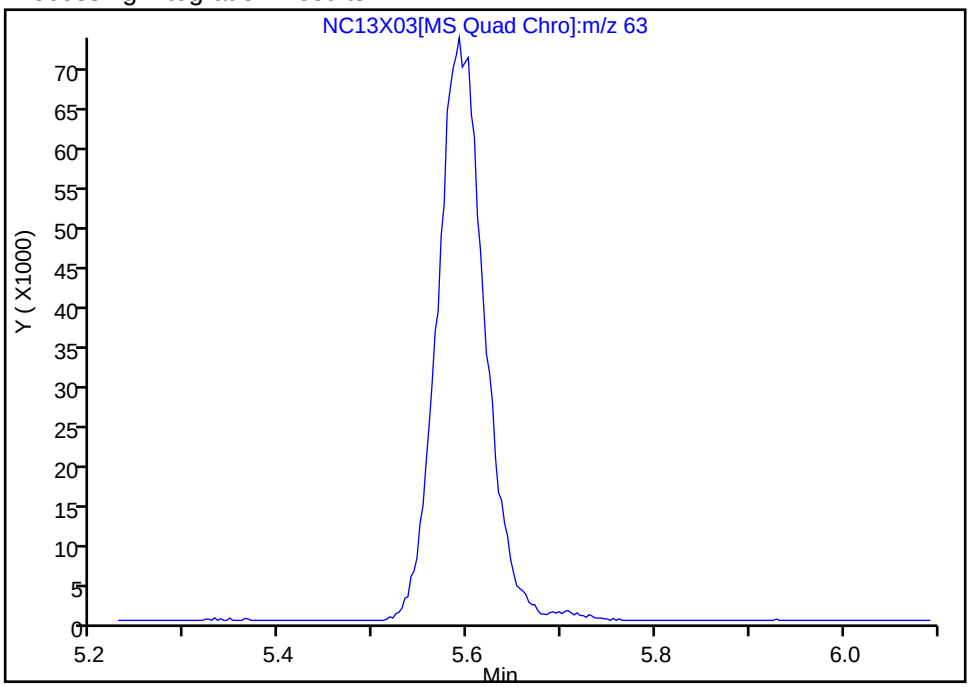
Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X03.D				
Injection Date:	13-Oct-2025 11:12:38	Instrument ID:	7159		
Lims ID:	LCS				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

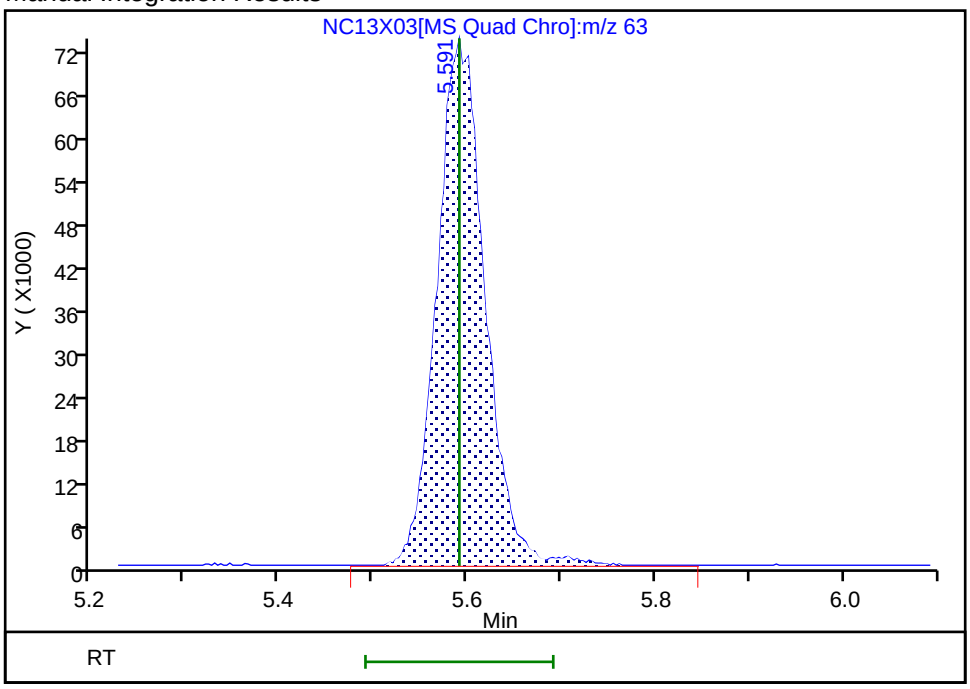
Not Detected
Expected RT: 5.59

Processing Integration Results



Manual Integration Results

RT: 5.59
Area: 259602
Amount: 22.700091
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 11:48:15 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

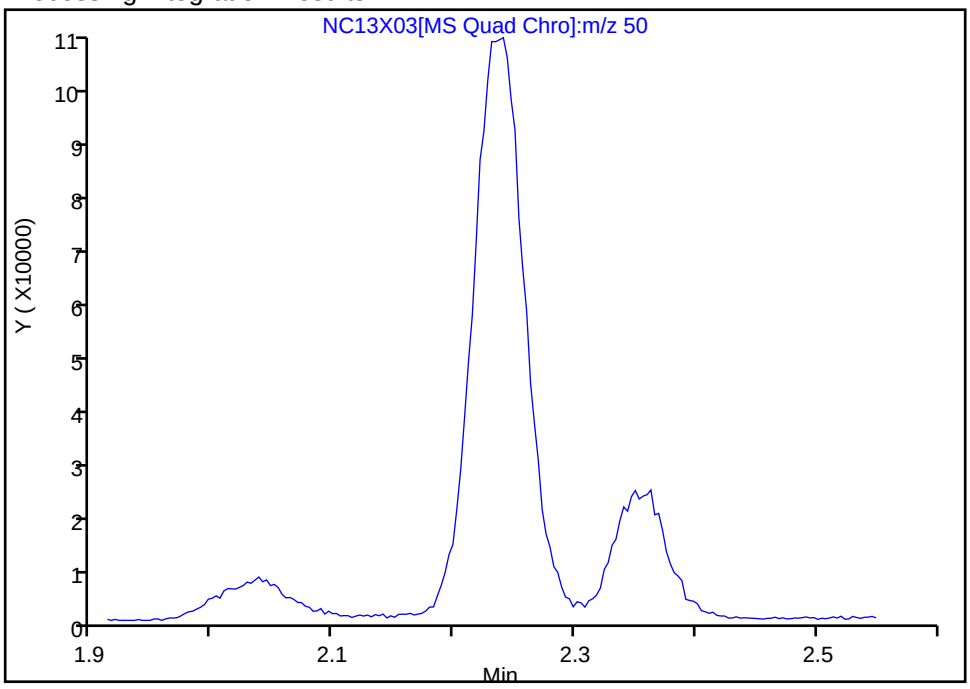
Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X03.D
Injection Date: 13-Oct-2025 11:12:38 Instrument ID: 7159
Lims ID: LCS
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

4 Chloromethane, CAS: 74-87-3

Signal: 1

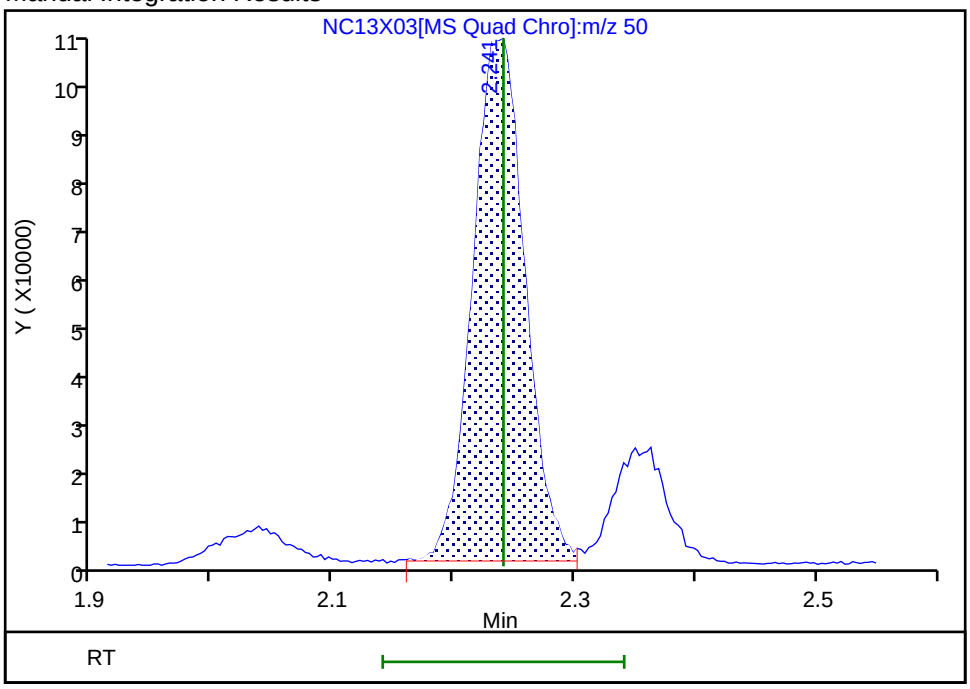
Not Detected
Expected RT: 2.24

Processing Integration Results



Manual Integration Results

RT: 2.24
Area: 316052
Amount: 21.643819
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 11:47:53 -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

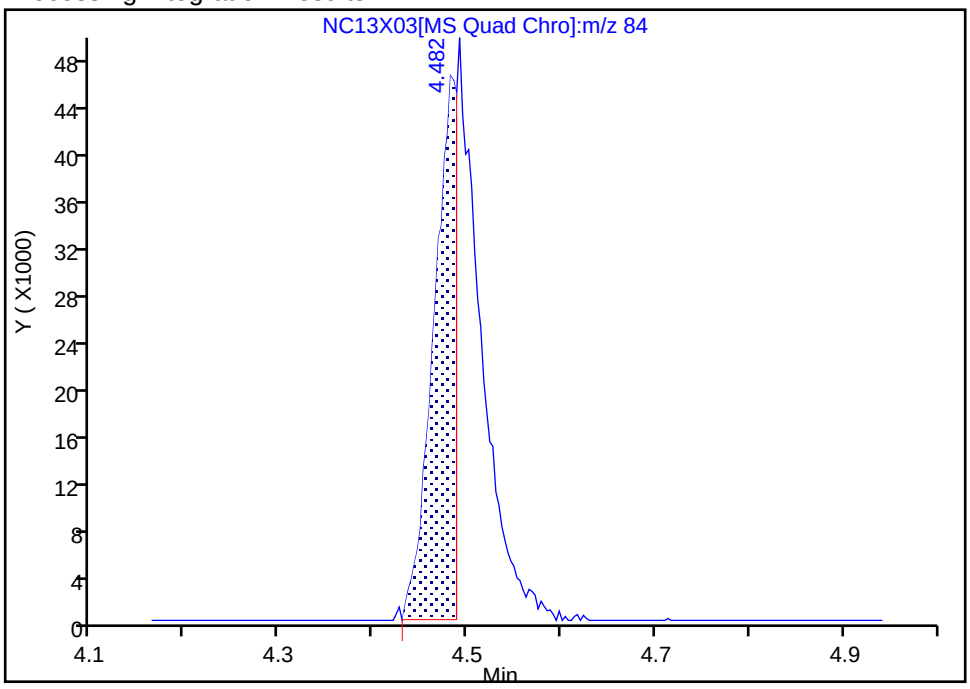
Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X03.D
Injection Date: 13-Oct-2025 11:12:38 Instrument ID: 7159
Lims ID: LCS
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

26 Methylene Chloride, CAS: 75-09-2

Signal: 1

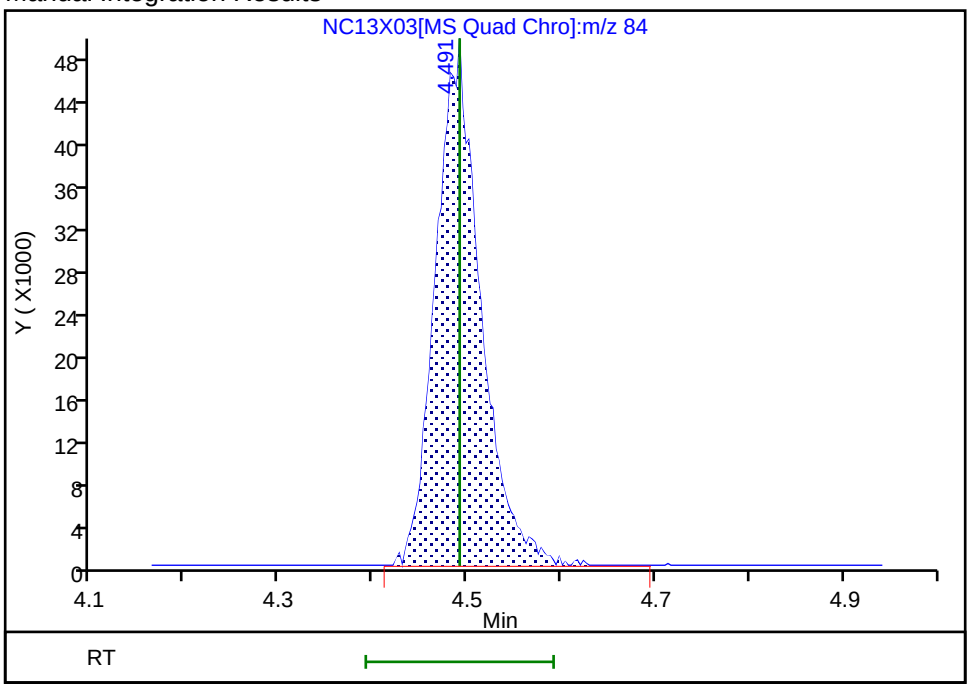
Processing Integration Results

RT: 4.48
Area: 78798
Amount: 10.622000
Amount Units: ug/l



Manual Integration Results

RT: 4.49
Area: 164082
Amount: 22.118314
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 11:48:06 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-713456/4

Matrix: Water
Lab File ID: LC14X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/14/2025 10:21

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.: 713456
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	18.4		1.0	0.30
71-55-6	1,1,1-Trichloroethane	17.7		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	18.6		1.0	0.30
79-00-5	1,1,2-Trichloroethane	18.1		1.0	0.30
75-34-3	1,1-Dichloroethane	17.7		1.0	0.30
75-35-4	1,1-Dichloroethene	17.6		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	18.2		1.0	0.20
107-06-2	1,2-Dichloroethane	17.6		1.0	0.30
78-87-5	1,2-Dichloropropane	18.2		1.0	0.30
78-93-3	2-Butanone (MEK)	238		10	1.0
591-78-6	2-Hexanone	287		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	261		10	0.50
67-64-1	Acetone	220		20	0.70
71-43-2	Benzene	17.7		1.0	0.30
74-97-5	Bromochloromethane	17.3		5.0	0.20
75-27-4	Bromodichloromethane	17.3		1.0	0.20
75-25-2	Bromoform	17.4		4.0	1.0
74-83-9	Bromomethane	14.7		1.0	0.30
75-15-0	Carbon disulfide	16.3		5.0	0.30
56-23-5	Carbon tetrachloride	17.4		1.0	0.30
108-90-7	Chlorobenzene	17.9		1.0	0.30
75-00-3	Chloroethane	14.0		1.0	0.30
67-66-3	Chloroform	17.5		1.0	0.30
74-87-3	Chloromethane	15.5		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	17.7		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	17.0		1.0	0.20
124-48-1	Dibromochloromethane	17.3		1.0	0.20
100-41-4	Ethylbenzene	18.5		1.0	0.40
1634-04-4	Methyl tert-butyl ether	17.4		1.0	0.20
75-09-2	Methylene Chloride	17.7		1.0	0.30
100-42-5	Styrene	18.6		5.0	0.30
127-18-4	Tetrachloroethene	17.5		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-713456/4

Matrix: Water
Lab File ID: LC14X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/14/2025 10:21

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.: 713456
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	18.0		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	17.0		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	18.4		1.0	0.20
79-01-6	Trichloroethene	17.2		1.0	0.30
75-01-4	Vinyl chloride	15.7		1.0	0.30
1330-20-7	Xylenes, Total	55.4		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 14-Oct-2025 10:21:47 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-004
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 20:37:57 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 14-Oct-2025 12:58:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.872	1.885	-0.013	99	145158	20.0	13.6	
5 Chloromethane	50	2.065	2.078	-0.013	99	146940	20.0	15.5	
6 Butadiene	39	2.165	2.187	-0.022	94	138735	20.0	17.1	
7 Vinyl chloride	62	2.171	2.187	-0.016	98	137699	20.0	15.7	
9 Bromomethane	94	2.502	2.515	-0.013	90	87384	20.0	14.7	
10 Chloroethane	64	2.563	2.579	-0.016	99	72071	20.0	14.0	
11 Dichlorofluoromethane	67	2.808	2.817	-0.009	96	222045	20.0	16.9	
12 Pentane	43	2.859	2.866	-0.007	98	135519	20.0	13.9	
13 Trichlorofluoromethane	101	2.875	2.885	-0.010	95	137421	20.0	11.8	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.193	3.200	-0.007	93	118436	20.0	16.6	
17 Acrolein	56	3.226	3.245	-0.019	100	246249	146.3	120.9	
18 1,1-Dichloroethene	96	3.361	3.383	-0.022	98	95904	20.0	17.6	
19 Acetone	58	3.402	3.415	-0.013	100	192863	250.0	219.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.428	3.444	-0.016	91	87934	20.0	15.8	
22 Iodomethane	142	3.560	3.586	-0.026	97	168799	20.0	16.2	
21 Isopropyl alcohol	45	3.583	3.618	-0.035	56	75619	150.0	131.3	
23 Carbon disulfide	76	3.663	3.682	-0.019	99	317078	20.0	16.3	
25 Methyl acetate	43	3.798	3.811	-0.013	95	109090	20.0	19.0	
26 3-Chloro-1-propene	41	3.817	3.837	-0.020	96	148424	20.0	16.3	
27 Methylene Chloride	84	4.010	4.023	-0.013	92	113681	20.0	17.7	
* 28 t-Butyl alcohol-d10 (IS)	65	4.091	4.110	-0.019	78	209699	250.0	250.0	
29 2-Methyl-2-propanol	59	4.226	4.210	0.016	95	184989	200.0	205.3	
30 Acrylonitrile	53	4.345	4.354	-0.009	100	305529	100.0	90.0	
31 Methyl tert-butyl ether	73	4.393	4.412	-0.019	88	298630	20.0	17.4	
32 trans-1,2-Dichloroethene	96	4.399	4.415	-0.016	98	107523	20.0	17.0	
35 Hexane	57	4.833	4.849	-0.016	92	115577	20.0	15.3	
36 1,1-Dichloroethane	63	5.078	5.094	-0.016	96	182052	20.0	17.7	
38 Isopropyl ether	45	5.136	5.152	-0.016	95	301187	20.0	17.9	
39 2-Chloro-1,3-butadiene	53	5.190	5.206	-0.016	91	140050	20.0	16.9	
40 Tert-butyl ethyl ether	59	5.679	5.692	-0.013	97	259425	20.0	17.2	
41 2-Butanone (MEK)	43	5.917	5.939	-0.022	100	785522	250.0	237.7	
42 cis-1,2-Dichloroethene	96	5.930	5.943	-0.013	80	118059	20.0	17.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.949	5.972	-0.023	89	130676	20.0	18.3	
45 Propionitrile	54	6.020	6.029	-0.009	99	182171	150.0	143.9	
48 Methacrylonitrile	67	6.229	6.238	-0.009	92	435000	150.0	148.3	
49 Chlorobromomethane	128	6.261	6.274	-0.013	92	60765	20.0	17.3	
50 Tetrahydrofuran	71	6.280	6.293	-0.013	79	81540	100.0	83.1	
51 Chloroform	83	6.425	6.431	-0.006	93	177074	20.0	17.5	
$ 52 Dibromofluoromethane (Surr)	113	6.637	6.647	-0.010	94	256527	50.0	48.7	
53 1,1,1-Trichloroethane	97	6.656	6.660	-0.004	84	151365	20.0	17.7	
54 Cyclohexane	56	6.740	6.750	-0.010	92	160164	20.0	15.9	
56 Carbon tetrachloride	117	6.853	6.859	-0.007	94	124245	20.0	17.4	
55 1,1-Dichloropropene	75	6.862	6.862	0.000	95	126504	20.0	17.0	
57 Isobutyl alcohol	41	7.081	7.078	0.003	91	102410	500.0	456.2	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.097	7.113	-0.016	92	65740	50.0	50.3	
59 Benzene	78	7.123	7.132	-0.009	95	412949	20.0	17.7	
60 1,2-Dichloroethane	62	7.206	7.213	-0.007	98	137232	20.0	17.6	
62 Tert-amyl methyl ether	73	7.312	7.325	-0.013	96	248219	20.0	17.7	
* 63 Fluorobenzene (IS)	96	7.537	7.541	-0.004	99	1050387	50.0	50.0	
64 n-Heptane	43	7.547	7.550	-0.003	94	121508	20.0	15.3	
66 n-Butanol	56	7.962	7.968	-0.006	93	131298	1000.0	1214.9	
67 Trichloroethene	95	8.020	8.020	0.000	96	100431	20.0	17.2	
69 Methylcyclohexane	83	8.315	8.322	-0.007	94	164895	20.0	15.4	
70 1,2-Dichloropropane	63	8.357	8.361	-0.004	89	98542	20.0	18.2	
71 2-ethoxy-2-methyl butane	87	8.360	8.367	-0.007	90	121172	20.0	17.3	
72 Methyl methacrylate	69	8.451	8.454	-0.004	93	57549	20.0	16.0	
73 1,4-Dioxane	88	8.460	8.460	0.000	39	31231	500.0	483.7	
74 Dibromomethane	93	8.470	8.470	0.000	92	64305	20.0	18.0	
76 Dichlorobromomethane	83	8.708	8.711	-0.003	99	117204	20.0	17.3	
77 2-Nitropropane	41	8.997	9.000	-0.003	92	19122	20.0	15.8	
78 2-Chloroethyl vinyl ether	63	9.077	9.081	-0.004	94	47631	20.0	15.5	
79 cis-1,3-Dichloropropene	75	9.264	9.267	-0.003	96	127205	20.0	17.0	
80 4-Methyl-2-pentanone (MIBK)	43	9.450	9.457	-0.007	96	1800183	250.0	260.7	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	985499	50.0	50.9	
83 Toluene	92	9.653	9.656	-0.003	98	239686	20.0	18.0	
95 trans-1,3-Dichloropropene	75	9.923	9.923	0.000	93	109944	20.0	18.4	
96 Ethyl methacrylate	69	9.987	9.994	-0.007	90	103534	20.0	16.6	
118 1,1,2-Trichloroethane	97	10.129	10.132	-0.003	90	84369	20.0	18.1	
119 Tetrachloroethene	166	10.206	10.206	0.000	98	112639	20.0	17.5	
120 1,3-Dichloropropane	76	10.293	10.293	0.000	92	131361	20.0	18.3	
122 2-Hexanone	43	10.354	10.357	-0.003	96	1060003	250.0	286.6	
124 Chlorodibromomethane	129	10.508	10.508	0.000	90	86244	20.0	17.3	
125 Ethylene Dibromide	107	10.614	10.614	0.000	99	79730	20.0	18.2	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	730475	50.0	50.0	
127 1-Chlorohexane	91	11.061	11.065	-0.004	98	111352	20.0	16.8	
128 Chlorobenzene	112	11.077	11.077	0.000	96	263454	20.0	17.9	
132 1,1,1,2-Tetrachloroethane	131	11.161	11.164	-0.003	94	101727	20.0	18.4	
133 Ethylbenzene	91	11.164	11.168	-0.004	98	470681	20.0	18.5	
135 m-Xylene & p-Xylene	106	11.280	11.283	-0.003	100	375731	40.0	37.0	
137 o-Xylene	106	11.611	11.611	0.000	96	196576	20.0	18.4	
138 Styrene	104	11.627	11.627	0.000	95	289365	20.0	18.6	
139 Bromoform	173	11.782	11.782	0.000	98	64076	20.0	17.4	
140 Isopropylbenzene	105	11.913	11.913	0.000	95	519827	20.0	19.1	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	95	347741	50.0	50.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
146 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	94	157739	20.0	18.6	
147 Bromobenzene	156	12.167	12.171	-0.004	91	124820	20.0	17.5	
148 trans-1,4-Dichloro-2-butene	53	12.190	12.190	0.000	91	181872	100.0	91.6	
149 1,2,3-Trichloropropane	110	12.206	12.209	-0.003	84	48301	20.0	17.7	
150 N-Propylbenzene	91	12.241	12.241	0.000	98	594884	20.0	18.4	
151 2-Chlorotoluene	126	12.315	12.315	0.000	97	126621	20.0	17.8	
152 1,3,5-Trimethylbenzene	105	12.380	12.380	0.000	94	444608	20.0	18.6	
153 4-Chlorotoluene	126	12.409	12.409	0.000	97	120132	20.0	17.9	
155 tert-Butylbenzene	134	12.618	12.621	-0.003	92	90519	20.0	17.0	
157 1,2,4-Trimethylbenzene	105	12.663	12.663	0.000	97	457631	20.0	18.4	
158 sec-Butylbenzene	105	12.785	12.785	0.000	94	559753	20.0	18.4	
159 1,3-Dichlorobenzene	146	12.881	12.881	0.000	99	265311	20.0	18.2	
160 4-Isopropyltoluene	119	12.891	12.891	0.000	97	495087	20.0	18.2	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	471800	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.955	12.955	0.000	96	265601	20.0	18.1	
163 1,2,3-Trimethylbenzene	105	12.965	12.965	0.000	98	481134	20.0	18.5	
165 Benzyl chloride	91	13.036	13.032	0.004	98	252467	20.0	18.0	
166 1,3-Diethylbenzene	119	13.090	13.090	0.000	96	297360	20.0	19.0	
167 p-Diethylbenzene	119	13.161	13.164	-0.003	96	320872	20.0	18.5	
168 n-Butylbenzene	92	13.183	13.183	0.000	97	250888	20.0	18.5	
169 1,2-Dichlorobenzene	146	13.212	13.212	0.000	99	279949	20.0	18.1	
170 o-diethylbenzene	119	13.235	13.235	0.000	94	248128	20.0	18.5	
172 1,2-Dibromo-3-Chloropropane	75	13.756	13.756	0.000	87	36904	20.0	17.7	
173 1,3,5-Trichlorobenzene	180	13.878	13.878	0.000	97	248557	20.0	18.1	
174 1,2,4-Trichlorobenzene	180	14.302	14.302	0.000	94	250942	20.0	18.7	
176 Hexachlorobutadiene	225	14.383	14.383	0.000	94	106740	20.0	18.1	
177 Naphthalene	128	14.482	14.482	0.000	96	736988	20.0	19.0	
178 1,2,3-Trichlorobenzene	180	14.624	14.624	0.000	95	246115	20.0	18.4	
179 2-Methylnaphthalene	142	15.235	15.235	0.000	95	439345	20.0	20.1	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_Gases_00272	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00249	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00252	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00244	Amount Added: 50.00	Units: uL	
MSV_HP23_ISSS_00017	Amount Added: 1.00	Units: uL	Run Reagent

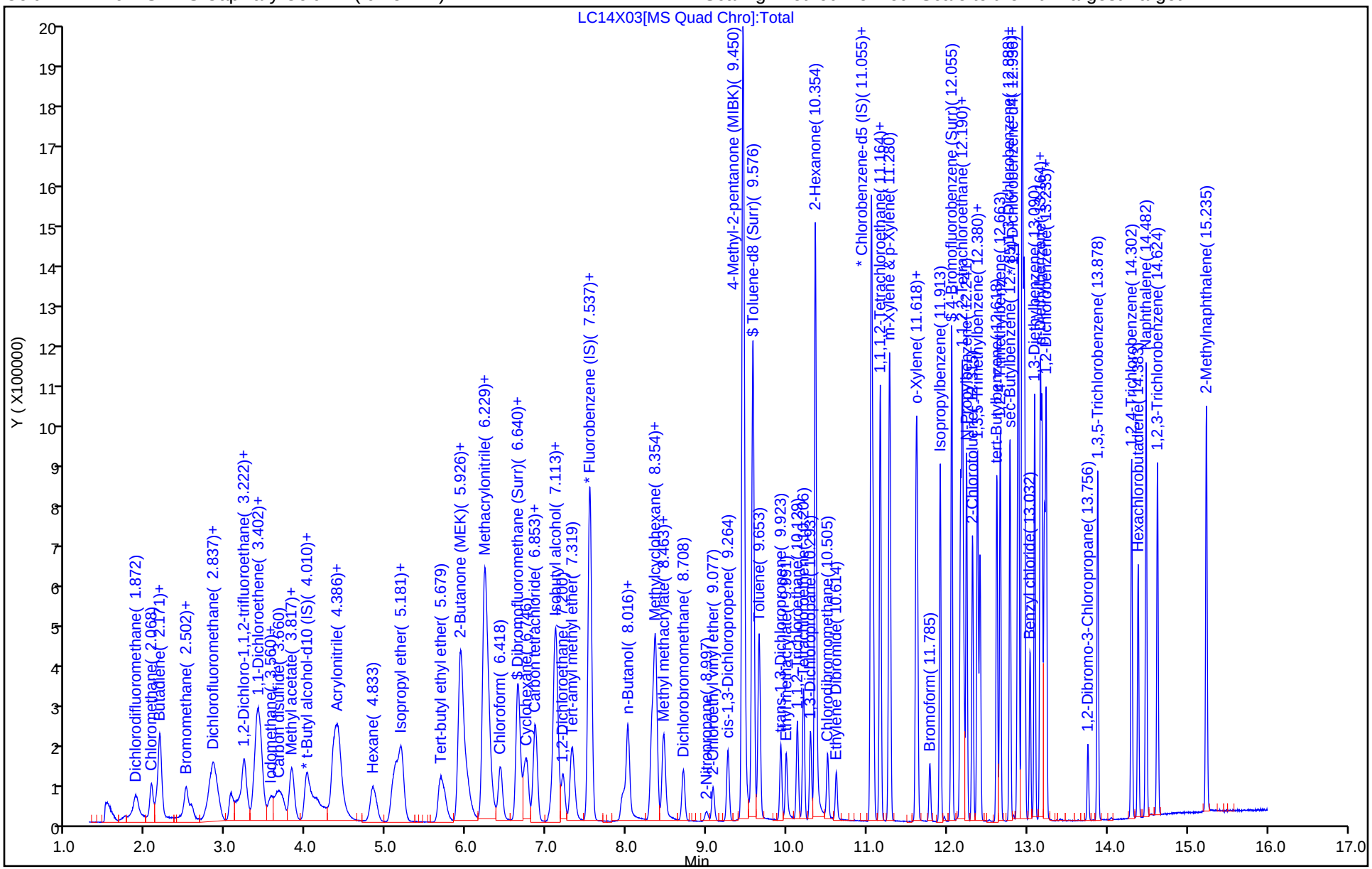
Report Date: 14-Oct-2025 20:38:03 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X03.D

Injection Date:	14-Oct-2025 10:21:47	Instrument ID:	9915	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_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 14-Oct-2025 10:21:47 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-004
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 20:37:57 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 14-Oct-2025 12:58:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	48.7	97.34
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	50.3	100.64
$ 82 Toluene-d8 (Surr)	50.0	50.9	101.78
$ 143 4-Bromofluorobenzene (Surr)	50.0	50.1	100.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-714112/5

Matrix: Water
Lab File ID: NC15X13.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/15/2025 12:35

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.: 714112
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	18.6		1.0	0.30
71-55-6	1,1,1-Trichloroethane	17.2		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	25.0		1.0	0.30
79-00-5	1,1,2-Trichloroethane	20.4		1.0	0.30
75-34-3	1,1-Dichloroethane	20.6		1.0	0.30
75-35-4	1,1-Dichloroethene	18.8		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	18.4		1.0	0.20
107-06-2	1,2-Dichloroethane	17.3		1.0	0.30
78-87-5	1,2-Dichloropropane	20.5		1.0	0.30
78-93-3	2-Butanone (MEK)	251		10	1.0
591-78-6	2-Hexanone	284		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	249		10	0.50
67-64-1	Acetone	254		20	0.70
71-43-2	Benzene	19.8		1.0	0.30
74-97-5	Bromochloromethane	16.4		5.0	0.20
75-27-4	Bromodichloromethane	17.5		1.0	0.20
75-25-2	Bromoform	16.3		4.0	1.0
74-83-9	Bromomethane	19.2		1.0	0.30
75-15-0	Carbon disulfide	20.5		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	21.8		1.0	0.30
67-66-3	Chloroform	17.6		1.0	0.30
74-87-3	Chloromethane	21.7		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	18.4		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	17.6		1.0	0.20
124-48-1	Dibromochloromethane	17.0		1.0	0.20
100-41-4	Ethylbenzene	21.3		1.0	0.40
1634-04-4	Methyl tert-butyl ether	18.2		1.0	0.20
75-09-2	Methylene Chloride	20.2		1.0	0.30
100-42-5	Styrene	19.4		5.0	0.30
127-18-4	Tetrachloroethene	16.3		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-714112/5

Matrix: Water
Lab File ID: NC15X13.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/15/2025 12:35

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.: 714112
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	21.0		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	18.5		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	20.6		1.0	0.20
79-01-6	Trichloroethene	16.8		1.0	0.30
75-01-4	Vinyl chloride	22.2		1.0	0.30
1330-20-7	Xylenes, Total	60.6		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)	106		80-120
1868-53-7	Dibromofluoromethane (Surr)	90		80-120
2037-26-5	Toluene-d8 (Surr)	112		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X13.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 15-Oct-2025 12:35:48 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163218-005
Operator ID: clm27445 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 16-Oct-2025 09:23:49 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1603

First Level Reviewer: TQ4J Date: 15-Oct-2025 14:12:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.032	2.038	-0.006	99	424733	20.0	15.8	
4 Chloromethane	50	2.234	2.238	-0.004	99	417817	20.0	21.7	
5 Butadiene	39	2.350	2.350	0.000	91	334277	20.0	26.9	
6 Vinyl chloride	62	2.363	2.370	-0.007	98	433068	20.0	22.2	
8 Bromomethane	94	2.710	2.717	-0.007	89	290631	20.0	19.2	
9 Chloroethane	64	2.800	2.810	-0.010	99	195012	20.0	21.8	
10 Dichlorofluoromethane	67	3.067	3.077	-0.010	97	535923	20.0	21.0	
11 Trichlorofluoromethane	101	3.128	3.141	-0.013	90	336350	20.0	12.9	
12 Pentane	43	3.180	3.183	-0.003	97	237153	20.0	19.7	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.511	3.524	-0.013	90	251533	20.0	21.6	
16 Acrolein	56	3.604	3.607	-0.003	99	322713	146.3	149.7	
17 1,1-Dichloroethene	96	3.742	3.746	-0.004	96	168006	20.0	18.8	M
19 Acetone	58	3.797	3.797	0.000	100	277241	250.0	254.3	
18 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.800	3.797	0.003	90	221223	20.0	17.1	M
20 Iodomethane	142	3.955	3.961	-0.007	99	312160	20.0	14.6	
21 Isopropyl alcohol	45	3.990	3.977	0.013	57	122880	150.0	89.8	
22 Carbon disulfide	76	4.061	4.067	-0.006	99	613176	20.0	20.5	
24 Methyl acetate	43	4.247	4.263	-0.016	96	131182	20.0	19.4	
25 3-Chloro-1-propene	41	4.270	4.279	-0.009	91	221676	20.0	21.2	Ma
26 Methylene Chloride	84	4.485	4.485	0.000	82	197956	20.0	20.2	M
* 27 t-Butyl alcohol-d10 (IS)	65	4.501	4.514	-0.013	94	473283	250.0	250.0	
28 2-Methyl-2-propanol	59	4.684	4.649	0.035	99	360809	200.0	180.5	
29 Acrylonitrile	53	4.848	4.855	-0.007	100	404029	100.0	107.0	
31 trans-1,2-Dichloroethene	96	4.906	4.910	-0.004	98	184537	20.0	18.5	
32 Methyl tert-butyl ether	73	4.909	4.916	-0.007	92	557670	20.0	18.2	M
33 Hexane	57	5.337	5.344	-0.007	91	240460	20.0	21.3	M
35 1,1-Dichloroethane	63	5.578	5.585	-0.007	95	310190	20.0	20.6	
36 Isopropyl ether	45	5.649	5.652	-0.003	96	528829	20.0	21.7	
37 2-Chloro-1,3-butadiene	53	5.691	5.697	-0.006	90	229206	20.0	18.1	
39 Tert-butyl ethyl ether	59	6.170	6.183	-0.013	98	534834	20.0	19.7	M
40 2-Butanone (MEK)	43	6.392	6.392	0.000	98	1213509	250.0	250.6	
41 cis-1,2-Dichloroethene	96	6.417	6.418	-0.001	79	210729	20.0	18.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 2,2-Dichloropropane	77	6.434	6.434	0.000	83	308846	20.0	18.2	a
44 Propionitrile	54	6.498	6.501	-0.003	98	258729	150.0	149.8	a
46 Methacrylonitrile	67	6.700	6.704	-0.004	89	630364	150.0	153.2	
47 Chlorobromomethane	128	6.749	6.752	-0.003	90	102705	20.0	16.4	
48 Tetrahydrofuran	71	6.765	6.758	0.007	78	157188	100.0	98.1	
49 Chloroform	83	6.897	6.897	0.000	92	329744	20.0	17.6	
$ 50 Dibromofluoromethane (Surr)	113	7.109	7.119	-0.010	93	414646	50.0	45.0	
51 1,1,1-Trichloroethane	97	7.122	7.128	-0.006	89	329437	20.0	17.2	
55 Isobutyl alcohol	41	7.212	7.215	-0.003	51	172911	500.0	313.3	
52 Cyclohexane	56	7.215	7.218	-0.003	88	347964	20.0	21.3	a
53 Carbon tetrachloride	117	7.331	7.324	0.007	94	283494	20.0	15.8	
54 1,1-Dichloropropene	75	7.327	7.337	-0.010	98	239126	20.0	19.3	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.575	7.575	0.000	98	102201	50.0	49.2	
57 Benzene	78	7.597	7.601	-0.004	97	730902	20.0	19.8	
59 1,2-Dichloroethane	62	7.668	7.668	0.000	97	207598	20.0	17.3	
60 Tert-amyl methyl ether	73	7.784	7.784	0.000	99	530181	20.0	19.3	
* 62 Fluorobenzene (IS)	96	7.993	7.996	-0.003	98	1622118	50.0	50.0	
63 n-Heptane	43	7.999	8.003	-0.004	46	210568	20.0	22.2	
64 n-Butanol	56	8.353	8.353	0.000	86	411496	1000.0	975.5	
65 Trichloroethene	95	8.466	8.463	0.003	98	183528	20.0	16.8	Ma
67 Methylcyclohexane	83	8.768	8.768	0.000	89	370094	20.0	18.9	
68 2-ethoxy-2-methyl butane	87	8.800	8.797	0.003	92	271022	20.0	18.3	
69 1,2-Dichloropropane	63	8.803	8.800	0.003	69	178705	20.0	20.5	
70 Methyl methacrylate	69	8.877	8.881	-0.004	89	122306	20.0	18.0	
71 1,4-Dioxane	88	8.893	8.897	-0.004	47	64227	500.0	440.3	M
72 Dibromomethane	93	8.906	8.906	0.000	97	114767	20.0	17.8	
74 Dichlorobromomethane	83	9.134	9.138	-0.004	99	225300	20.0	17.5	
75 2-Nitropropane	41	9.411	9.408	0.003	98	42047	20.0	15.3	
76 2-Chloroethyl vinyl ether	63	9.478	9.485	-0.007	91	104212	20.0	18.8	
77 cis-1,3-Dichloropropene	75	9.655	9.659	-0.004	98	242020	20.0	17.6	
78 4-Methyl-2-pentanone (MIBK)	43	9.826	9.826	0.000	95	2710061	250.0	249.0	
$ 79 Toluene-d8 (Surr)	98	9.951	9.951	0.000	93	1502627	50.0	55.9	
118 Toluene	92	10.022	10.022	0.000	98	437251	20.0	21.0	
120 trans-1,3-Dichloropropene	75	10.266	10.266	0.000	91	216517	20.0	20.6	
121 Ethyl methacrylate	69	10.321	10.321	0.000	87	221503	20.0	22.4	
122 1,1,2-Trichloroethane	97	10.462	10.463	-0.001	90	148988	20.0	20.4	
123 Tetrachloroethene	166	10.543	10.543	0.000	97	190725	20.0	16.3	
124 1,3-Dichloropropane	76	10.623	10.623	0.000	87	235021	20.0	21.4	
126 2-Hexanone	43	10.671	10.672	-0.001	95	1746245	250.0	283.5	
128 Chlorodibromomethane	129	10.829	10.826	0.003	90	162387	20.0	17.0	
129 Ethylene Dibromide	107	10.941	10.938	0.003	98	144944	20.0	18.4	
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.353	0.000	85	1094094	50.0	50.0	
132 1-Chlorohexane	91	11.359	11.356	0.003	93	244837	20.0	20.8	
133 Chlorobenzene	112	11.379	11.382	-0.003	96	460493	20.0	18.7	
134 1,1,1,2-Tetrachloroethane	131	11.459	11.456	0.003	95	202907	20.0	18.6	
135 Ethylbenzene	91	11.462	11.459	0.003	98	878977	20.0	21.3	
136 m-Xylene & p-Xylene	106	11.572	11.575	-0.003	100	662817	40.0	40.5	
138 o-Xylene	106	11.893	11.893	0.000	97	342998	20.0	20.1	
139 Styrene	104	11.909	11.909	0.000	94	502578	20.0	19.4	
140 Bromoform	173	12.064	12.064	0.000	96	116066	20.0	16.3	
141 Isopropylbenzene	105	12.186	12.186	0.000	96	998491	20.0	21.2	
$ 144 4-Bromofluorobenzene (Surr)	95	12.331	12.327	0.003	88	536611	50.0	52.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
145 1,1,2,2-Tetrachloroethane	83	12.427	12.427	0.000	93	253997	20.0	25.0	
146 Bromobenzene	156	12.446	12.446	0.000	95	192607	20.0	18.1	
147 trans-1,4-Dichloro-2-butene	53	12.453	12.453	0.000	90	254496	100.0	100.0	
148 1,2,3-Trichloropropane	110	12.475	12.472	0.003	78	70804	20.0	20.4	a
149 N-Propylbenzene	91	12.511	12.511	0.000	99	1134358	20.0	25.3	
150 2-Chlorotoluene	126	12.588	12.588	0.000	97	214308	20.0	21.0	
151 1,3,5-Trimethylbenzene	105	12.642	12.643	-0.001	93	820112	20.0	23.2	
152 4-Chlorotoluene	126	12.681	12.678	0.003	97	196589	20.0	20.1	
154 tert-Butylbenzene	134	12.884	12.881	0.004	93	163382	20.0	20.9	
155 1,2,4-Trimethylbenzene	105	12.922	12.922	0.000	97	814800	20.0	22.6	
157 sec-Butylbenzene	105	13.044	13.041	0.003	94	1092720	20.0	24.5	
158 1,3-Dichlorobenzene	146	13.141	13.141	0.000	98	387900	20.0	19.4	
159 4-Isopropyltoluene	119	13.147	13.147	0.000	97	886077	20.0	22.0	
* 160 1,4-Dichlorobenzene-d4	152	13.195	13.196	-0.001	94	579333	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.212	13.215	-0.003	95	377197	20.0	18.9	
162 1,2,3-Trimethylbenzene	105	13.224	13.221	0.003	99	838655	20.0	22.9	
163 Benzyl chloride	91	13.292	13.292	0.000	98	429215	20.0	23.7	
164 1,3-Diethylbenzene	119	13.343	13.344	-0.001	95	506484	20.0	22.9	
165 p-Diethylbenzene	119	13.414	13.414	0.000	93	513593	20.0	22.2	
166 n-Butylbenzene	92	13.437	13.434	0.003	98	434768	20.0	25.2	
167 1,2-Dichlorobenzene	146	13.472	13.472	0.000	98	387639	20.0	19.5	
168 o-diethylbenzene	119	13.488	13.488	0.000	96	437539	20.0	22.1	
170 1,2-Dibromo-3-Chloropropane	75	14.009	14.006	0.003	87	56290	20.0	20.6	
171 1,3,5-Trichlorobenzene	180	14.128	14.128	0.000	97	296780	20.0	18.0	
172 1,2,4-Trichlorobenzene	180	14.552	14.552	0.000	93	279363	20.0	18.3	
174 Hexachlorobutadiene	225	14.633	14.630	0.003	98	106326	20.0	16.8	
175 Naphthalene	128	14.736	14.736	0.000	97	942965	20.0	20.8	
176 1,2,3-Trichlorobenzene	180	14.877	14.880	-0.003	95	272055	20.0	17.4	
177 2-Methylnaphthalene	142	15.523	15.524	-0.001	91	541693	20.0	20.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LCS_ACROL_00249	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00272	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00252	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00244	Amount Added: 50.00	Units: uL	
MSV_Cent_ISSS_00045	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 16-Oct-2025 09:24:47 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X13.D

Injection Date: 15-Oct-2025 12:35:48 Instrument ID: 7159 Operator ID: clm27445

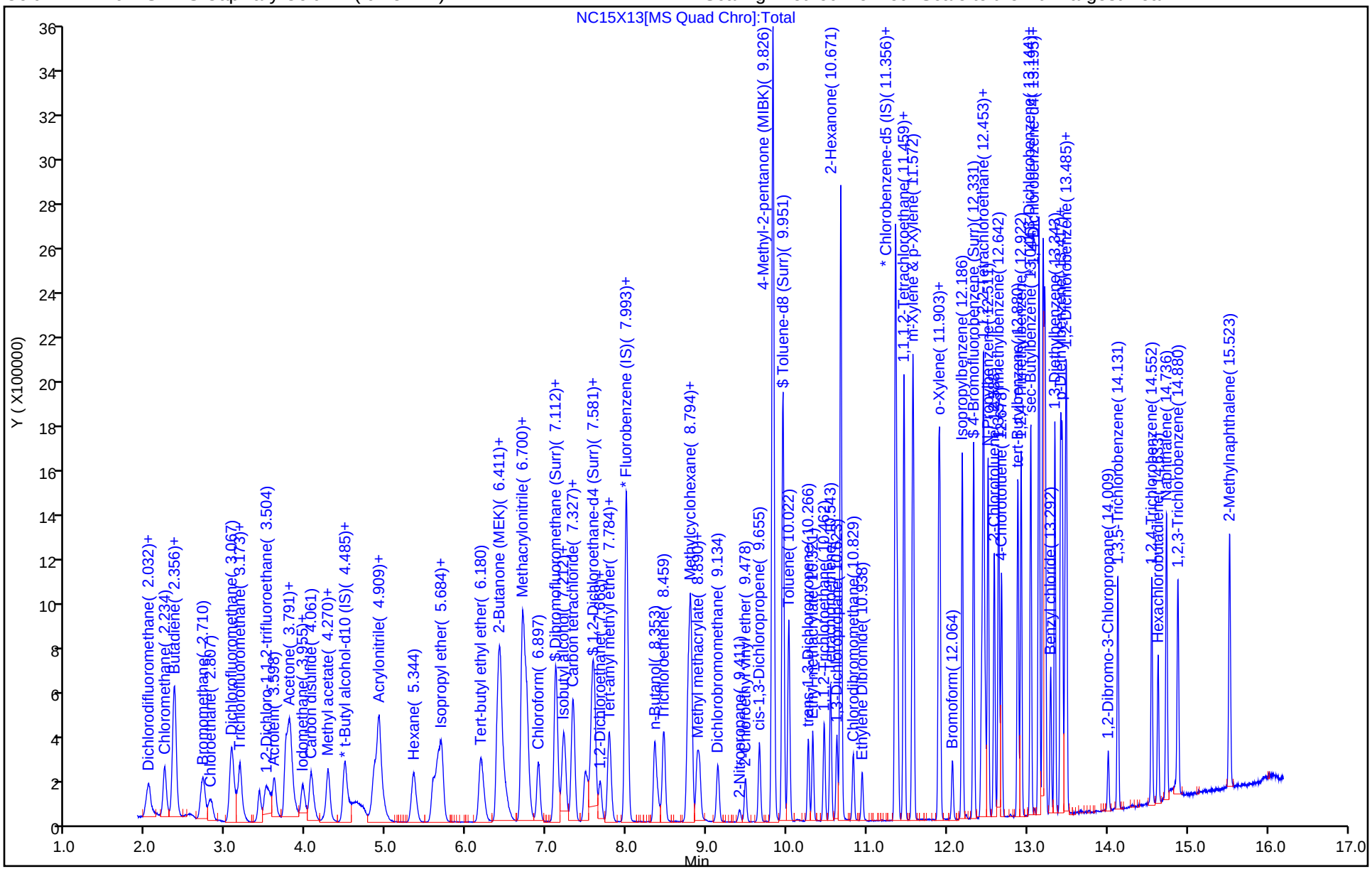
Lims ID: LCS Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X13.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 15-Oct-2025 12:35:48 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163218-005
Operator ID: clm27445 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 16-Oct-2025 09:23:49 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1603

First Level Reviewer: TQ4J Date: 15-Oct-2025 14:12:56

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	45.0	89.93
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	49.2	98.36
$ 79 Toluene-d8 (Surr)	50.0	55.9	111.81
$ 144 4-Bromofluorobenzene (Surr)	50.0	52.9	105.75

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

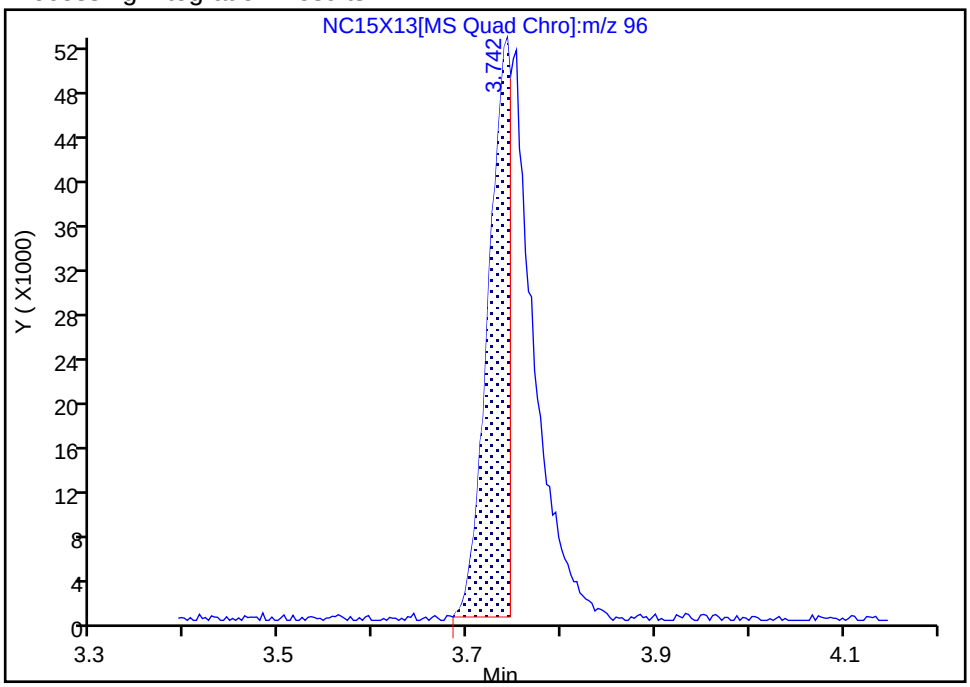
Data File: \\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X13.D
Injection Date: 15-Oct-2025 12:35:48 Instrument ID: 7159
Lims ID: LCS
Client ID:
Operator ID: clm27445 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

17 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

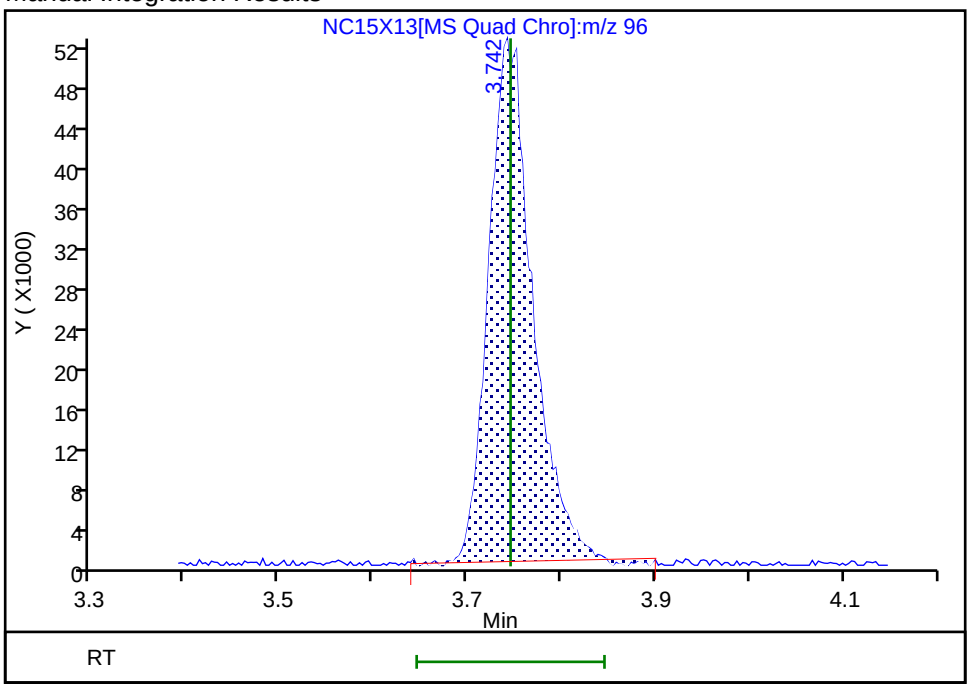
Processing Integration Results

RT: 3.74
Area: 85653
Amount: 9.564024
Amount Units: ug/l



Manual Integration Results

RT: 3.74
Area: 168006
Amount: 18.759570
Amount Units: ug/l



Reviewer: TQ4J, 15-Oct-2025 14:11:13 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

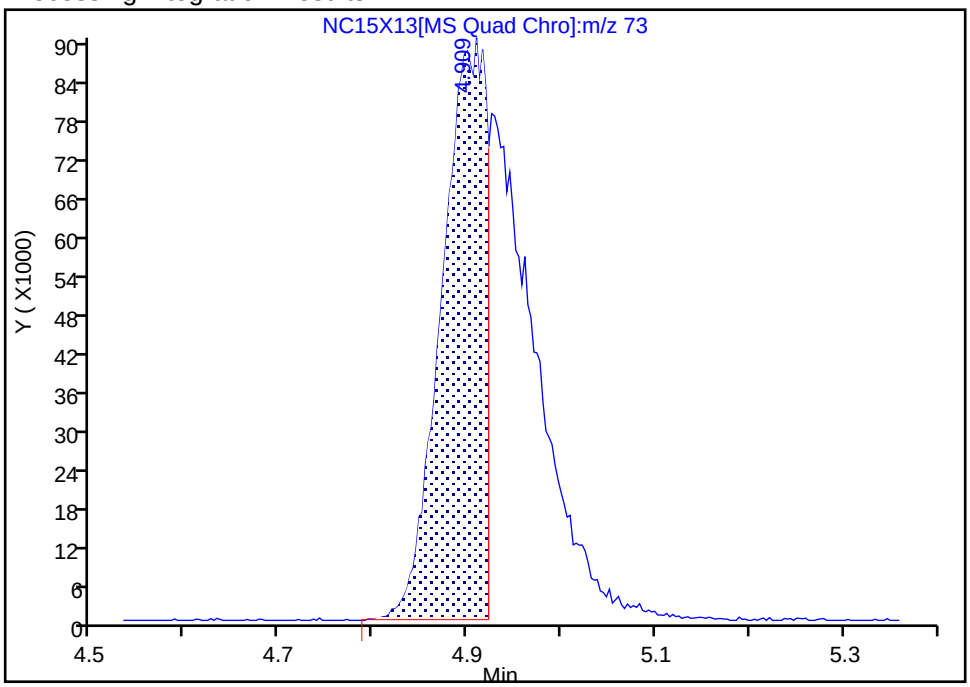
Data File:	\\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X13.D				
Injection Date:	15-Oct-2025 12:35:48	Instrument ID:	7159		
Lims ID:	LCS				
Client ID:					
Operator ID:	clm27445	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

32 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

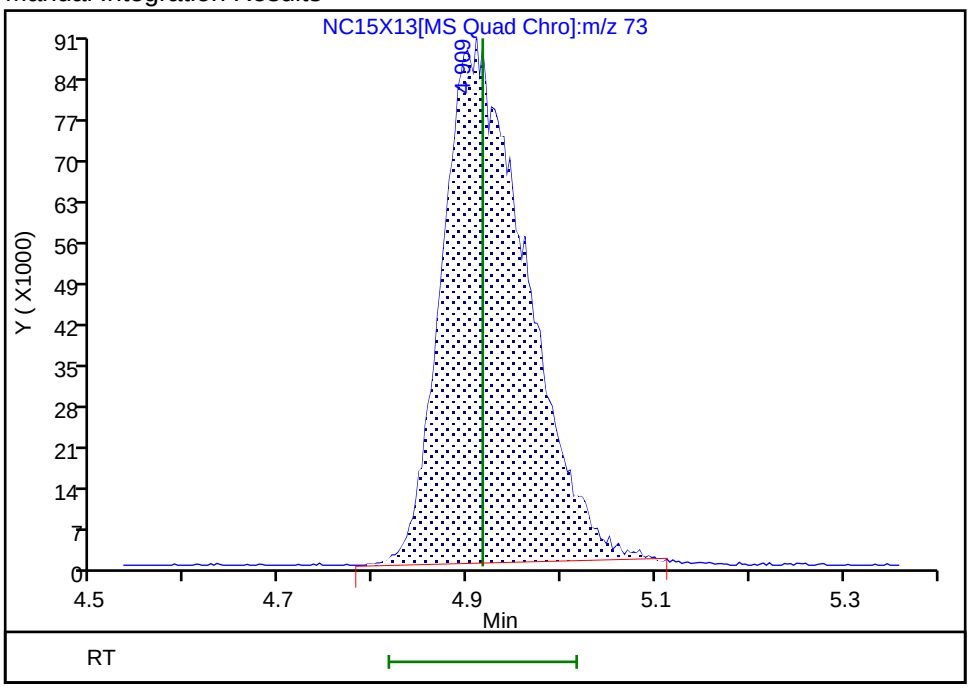
Processing Integration Results

RT: 4.91
Area: 298385
Amount: 9.748367
Amount Units: ug/l



Manual Integration Results

RT: 4.91
Area: 557670
Amount: 18.219320
Amount Units: ug/l



Reviewer: TQ4J, 15-Oct-2025 14:11:42 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

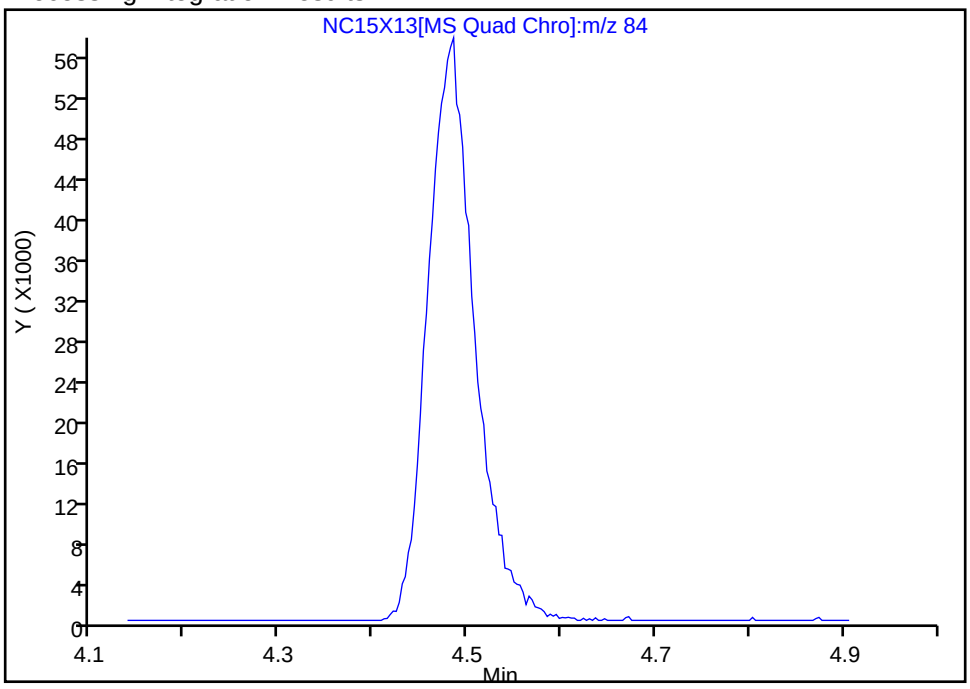
Data File:	\\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X13.D				
Injection Date:	15-Oct-2025 12:35:48	Instrument ID:	7159		
Lims ID:	LCS				
Client ID:					
Operator ID:	clm27445	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methylene Chloride, CAS: 75-09-2

Signal: 1

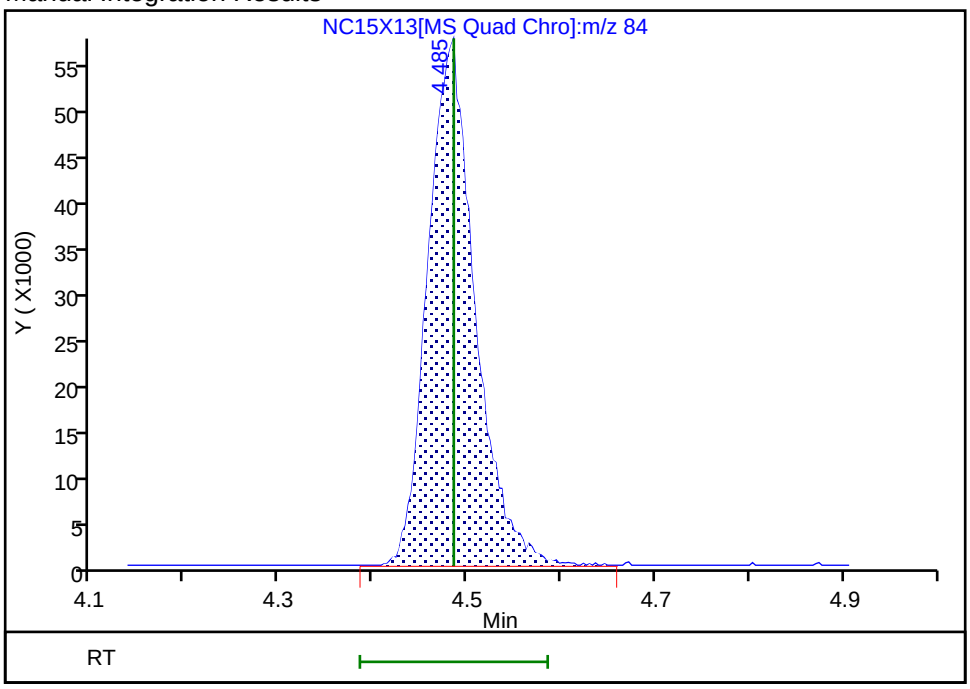
Not Detected
Expected RT: 4.49

Processing Integration Results



Manual Integration Results

RT: 4.49
Area: 197956
Amount: 20.220526
Amount Units: ug/l



Reviewer: TQ4J, 15-Oct-2025 14:11:36 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

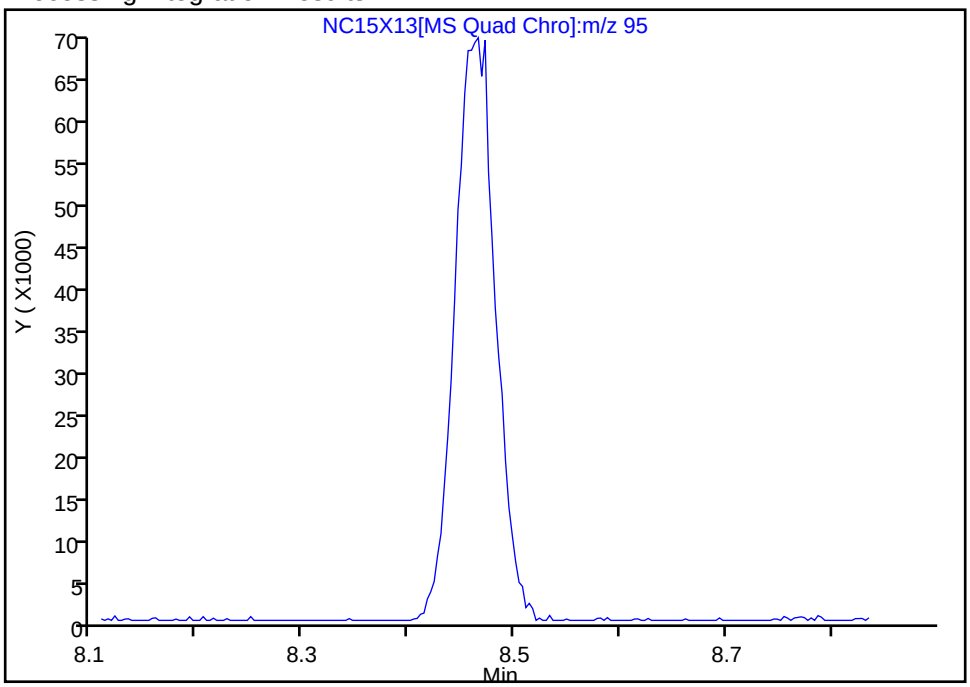
Data File:	\\chromfs\Lancaster\ChromData\7159\20251015-163218.b\NC15X13.D				
Injection Date:	15-Oct-2025 12:35:48	Instrument ID:	7159		
Lims ID:	LCS				
Client ID:					
Operator ID:	clm27445	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6

Signal: 1

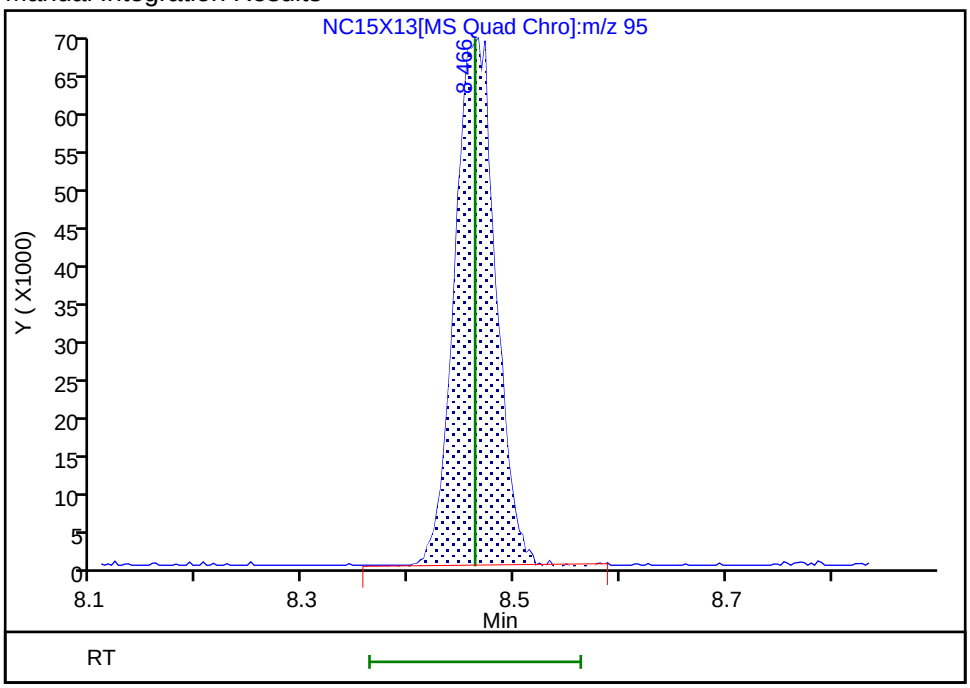
Not Detected
Expected RT: 8.46

Processing Integration Results



Manual Integration Results

RT: 8.47
Area: 183528
Amount: 16.829611
Amount Units: ug/l



Reviewer: TQ4J, 15-Oct-2025 14:12:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-714809/5

Matrix: Water
Lab File ID: LC16X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/16/2025 09:29

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.: 714809
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	20.0		1.0	0.30
71-55-6	1,1,1-Trichloroethane	19.4		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	19.7		1.0	0.30
79-00-5	1,1,2-Trichloroethane	19.7		1.0	0.30
75-34-3	1,1-Dichloroethane	20.1		1.0	0.30
75-35-4	1,1-Dichloroethene	19.2		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	19.3		1.0	0.20
107-06-2	1,2-Dichloroethane	19.7		1.0	0.30
78-87-5	1,2-Dichloropropane	19.8		1.0	0.30
78-93-3	2-Butanone (MEK)	263		10	1.0
591-78-6	2-Hexanone	312		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	280		10	0.50
67-64-1	Acetone	242		20	0.70
71-43-2	Benzene	19.7		1.0	0.30
74-97-5	Bromochloromethane	18.8		5.0	0.20
75-27-4	Bromodichloromethane	18.8		1.0	0.20
75-25-2	Bromoform	18.2		4.0	1.0
74-83-9	Bromomethane	14.5		1.0	0.30
75-15-0	Carbon disulfide	18.5		5.0	0.30
56-23-5	Carbon tetrachloride	19.5		1.0	0.30
108-90-7	Chlorobenzene	19.3		1.0	0.30
75-00-3	Chloroethane	15.4		1.0	0.30
67-66-3	Chloroform	19.1		1.0	0.30
74-87-3	Chloromethane	16.2		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	19.6		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.3		1.0	0.20
124-48-1	Dibromochloromethane	18.0		1.0	0.20
100-41-4	Ethylbenzene	20.1		1.0	0.40
1634-04-4	Methyl tert-butyl ether	18.5		1.0	0.20
75-09-2	Methylene Chloride	19.7		1.0	0.30
100-42-5	Styrene	20.0		5.0	0.30
127-18-4	Tetrachloroethene	18.8		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-714809/5

Matrix: Water
Lab File ID: LC16X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/16/2025 09:29

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.: 714809
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	19.7		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	18.9		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	19.9		1.0	0.20
79-01-6	Trichloroethene	19.2		1.0	0.30
75-01-4	Vinyl chloride	16.0		1.0	0.30
1330-20-7	Xylenes, Total	59.5		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X04.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 16-Oct-2025 09:29:31 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163364-005
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Oct-2025 13:07:45 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 16-Oct-2025 13:02:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.878	1.872	0.006	99	143504	20.0	13.8	
5 Chloromethane	50	2.071	2.065	0.006	100	150229	20.0	16.2	
6 Butadiene	39	2.165	2.168	-0.003	94	168224	20.0	21.2	
7 Vinyl chloride	62	2.181	2.174	0.007	98	137357	20.0	16.0	
9 Bromomethane	94	2.502	2.502	0.000	91	84488	20.0	14.5	
10 Chloroethane	64	2.560	2.560	0.000	100	77489	20.0	15.4	
11 Dichlorofluoromethane	67	2.811	2.808	0.003	97	231765	20.0	18.0	
12 Pentane	43	2.866	2.853	0.013	97	172144	20.0	18.0	
13 Trichlorofluoromethane	101	2.869	2.878	-0.009	60	141453	20.0	12.4	
15 Ethyl ether	59	3.068	3.062	0.006	93	85340	19.9	18.8	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.184	3.181	0.003	94	124832	20.0	17.9	
17 Acrolein	56	3.235	3.229	0.006	100	264814	146.3	130.7	
18 1,1-Dichloroethene	96	3.374	3.367	0.007	98	102643	20.0	19.2	
19 Acetone	58	3.409	3.406	0.003	100	211533	250.0	242.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.415	3.425	-0.010	88	99346	20.0	18.2	
21 Isopropyl alcohol	45	3.608	3.582	0.026	46	79733	150.0	139.1	
22 Iodomethane	142	3.579	3.586	-0.007	98	172057	20.0	16.8	
23 Carbon disulfide	76	3.673	3.672	0.001	99	352209	20.0	18.5	
25 Methyl acetate	43	3.817	3.795	0.022	98	123895	20.0	22.1	
26 3-Chloro-1-propene	41	3.833	3.827	0.006	90	171361	20.0	19.2	
27 Methylene Chloride	84	4.023	4.013	0.010	93	123784	20.0	19.7	
* 28 t-Butyl alcohol-d10 (IS)	65	4.116	4.097	0.019	80	208717	250.0	250.0	
29 2-Methyl-2-propanol	59	4.206	4.203	0.003	94	191734	200.0	213.8	
30 Acrylonitrile	53	4.348	4.344	0.004	99	334805	100.0	100.8	
31 Methyl tert-butyl ether	73	4.399	4.386	0.013	91	309992	20.0	18.5	
32 trans-1,2-Dichloroethene	96	4.406	4.402	0.004	99	116878	20.0	18.9	
35 Hexane	57	4.840	4.836	0.004	93	134136	20.0	18.2	
36 1,1-Dichloroethane	63	5.087	5.081	0.006	97	201422	20.0	20.1	
38 Isopropyl ether	45	5.152	5.139	0.013	96	323296	20.0	19.6	
39 2-Chloro-1,3-butadiene	53	5.193	5.190	0.003	92	152595	20.0	18.8	
40 Tert-butyl ethyl ether	59	5.679	5.679	0.000	97	280016	20.0	19.0	
41 2-Butanone (MEK)	43	5.926	5.923	0.003	100	851238	250.0	263.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.939	5.930	0.009	81	127961	20.0	19.6	
43 2,2-Dichloropropane	77	5.962	5.959	0.003	91	146153	20.0	20.9	
45 Propionitrile	54	6.029	6.020	0.009	99	194322	150.0	154.2	
48 Methacrylonitrile	67	6.232	6.229	0.003	92	468952	150.0	163.5	
49 Chlorobromomethane	128	6.274	6.267	0.007	94	64811	20.0	18.8	
50 Tetrahydrofuran	71	6.296	6.283	0.013	81	85691	100.0	87.6	
51 Chloroform	83	6.428	6.428	0.000	93	189040	20.0	19.1	
53 1,1,1-Trichloroethane	97	6.653	6.647	0.006	94	162209	20.0	19.4	
$ 52 Dibromofluoromethane (Surr)	113	6.643	6.647	-0.004	94	251388	50.0	48.8	
54 Cyclohexane	56	6.746	6.746	0.000	91	180968	20.0	18.3	
56 Carbon tetrachloride	117	6.862	6.859	0.003	74	136152	20.0	19.5	
55 1,1-Dichloropropene	75	6.865	6.862	0.003	95	137759	20.0	18.9	
57 Isobutyl alcohol	41	7.084	7.071	0.013	61	110362	500.0	494.0	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.110	7.110	0.000	97	64630	50.0	50.6	
59 Benzene	78	7.132	7.126	0.006	96	450500	20.0	19.7	
60 1,2-Dichloroethane	62	7.209	7.209	0.000	98	150458	20.0	19.7	
62 Tert-amyl methyl ether	73	7.322	7.319	0.003	97	272516	20.0	19.9	
* 63 Fluorobenzene (IS)	96	7.541	7.544	-0.003	99	1027261	50.0	50.0	
64 n-Heptane	43	7.550	7.547	0.003	93	143261	20.0	18.5	
66 n-Butanol	56	7.965	7.955	0.010	95	140370	1000.0	1304.9	
67 Trichloroethene	95	8.016	8.013	0.003	97	109413	20.0	19.2	
69 Methylcyclohexane	83	8.319	8.315	0.004	92	185439	20.0	17.8	
70 1,2-Dichloropropane	63	8.364	8.354	0.010	77	104910	20.0	19.8	
71 2-ethoxy-2-methyl butane	87	8.367	8.364	0.003	92	137056	20.0	20.0	
72 Methyl methacrylate	69	8.450	8.447	0.003	96	59529	20.0	16.7	
73 1,4-Dioxane	88	8.463	8.457	0.006	78	31175	500.0	485.1	
74 Dibromomethane	93	8.467	8.467	0.001	92	67573	20.0	19.3	
76 Dichlorobromomethane	83	8.708	8.704	0.004	99	124492	20.0	18.8	
77 2-Nitropropane	41	8.994	8.991	0.003	97	23806	20.0	18.9	
78 2-Chloroethyl vinyl ether	63	9.077	9.074	0.003	92	49832	20.0	16.6	
79 cis-1,3-Dichloropropene	75	9.264	9.261	0.003	95	134077	20.0	18.3	
80 4-Methyl-2-pentanone (MIBK)	43	9.454	9.454	0.000	97	1893137	250.0	280.3	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	951391	50.0	50.6	
83 Toluene	92	9.653	9.653	0.000	98	254685	20.0	19.7	
95 trans-1,3-Dichloropropene	75	9.923	9.923	0.000	94	114989	20.0	19.9	
96 Ethyl methacrylate	69	9.991	9.987	0.004	89	113457	20.0	18.8	
118 1,1,2-Trichloroethane	97	10.129	10.129	0.000	90	89032	20.0	19.7	
119 Tetrachloroethene	166	10.206	10.206	0.000	98	117452	20.0	18.8	
120 1,3-Dichloropropane	76	10.296	10.293	0.003	92	138173	20.0	19.8	
122 2-Hexanone	43	10.354	10.354	0.000	97	1121088	250.0	311.9	
124 Chlorodibromomethane	129	10.508	10.508	0.000	90	87653	20.0	18.0	
125 Ethylene Dibromide	107	10.618	10.618	0.000	99	82527	20.0	19.3	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	86	709854	50.0	50.0	
127 1-Chlorohexane	91	11.061	11.064	-0.003	97	118741	20.0	18.5	
128 Chlorobenzene	112	11.077	11.077	0.000	95	276884	20.0	19.3	
132 1,1,1,2-Tetrachloroethane	131	11.161	11.161	0.000	93	107449	20.0	20.0	
133 Ethylbenzene	91	11.164	11.164	0.000	98	495253	20.0	20.1	
135 m-Xylene & p-Xylene	106	11.283	11.280	0.003	100	394170	40.0	39.9	
137 o-Xylene	106	11.614	11.611	0.003	96	203724	20.0	19.6	
138 Styrene	104	11.627	11.627	0.000	95	302589	20.0	20.0	
139 Bromoform	173	11.785	11.781	0.004	98	64842	20.0	18.2	
140 Isopropylbenzene	105	11.913	11.913	0.000	95	541002	20.0	20.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	93	345184	50.0	51.2	
146 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	95	163954	20.0	19.7	
147 Bromobenzene	156	12.171	12.171	0.000	92	129281	20.0	18.4	
148 trans-1,4-Dichloro-2-butene	53	12.190	12.190	0.000	94	178930	100.0	91.8	
149 1,2,3-Trichloropropane	110	12.206	12.209	-0.003	83	49404	20.0	18.4	
150 N-Propylbenzene	91	12.241	12.241	0.000	99	626776	20.0	19.8	
151 2-Chlorotoluene	126	12.315	12.315	0.000	97	130876	20.0	18.8	
152 1,3,5-Trimethylbenzene	105	12.376	12.376	0.000	94	463969	20.0	19.8	
153 4-Chlorotoluene	126	12.412	12.408	0.004	97	125677	20.0	19.1	
155 tert-Butylbenzene	134	12.621	12.621	0.000	92	93381	20.0	17.8	
157 1,2,4-Trimethylbenzene	105	12.663	12.662	0.001	97	477143	20.0	19.5	
158 sec-Butylbenzene	105	12.785	12.781	0.004	94	580362	20.0	19.4	
159 1,3-Dichlorobenzene	146	12.881	12.881	0.000	99	275047	20.0	19.3	
160 4-Isopropyltoluene	119	12.891	12.891	0.000	97	515276	20.0	19.3	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	463058	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.952	12.955	-0.003	96	276668	20.0	19.2	
163 1,2,3-Trimethylbenzene	105	12.965	12.965	0.000	98	498029	20.0	19.5	
165 Benzyl chloride	91	13.032	13.032	0.000	98	283706	20.0	20.3	
166 1,3-Diethylbenzene	119	13.090	13.090	0.000	95	305997	20.0	19.9	
167 p-Diethylbenzene	119	13.161	13.164	-0.003	94	329427	20.0	19.4	
168 n-Butylbenzene	92	13.183	13.183	0.000	97	262716	20.0	19.8	
169 1,2-Dichlorobenzene	146	13.212	13.212	0.000	99	287878	20.0	19.0	
170 o-diethylbenzene	119	13.235	13.235	0.000	94	257566	20.0	19.6	
172 1,2-Dibromo-3-Chloropropane	75	13.756	13.756	0.000	86	37002	20.0	18.0	
173 1,3,5-Trichlorobenzene	180	13.878	13.878	0.000	98	247522	20.0	18.4	
174 1,2,4-Trichlorobenzene	180	14.302	14.302	0.000	94	244383	20.0	18.5	
176 Hexachlorobutadiene	225	14.383	14.383	0.000	95	100942	20.0	17.4	
177 Naphthalene	128	14.482	14.482	0.000	96	720890	20.0	19.0	
178 1,2,3-Trichlorobenzene	180	14.624	14.624	0.000	96	238324	20.0	18.1	
179 2-Methylnaphthalene	142	15.235	15.235	0.000	93	401182	20.0	18.7	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_Gases_00272	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00249	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00252	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00244	Amount Added: 50.00	Units: uL	
MSV_LCS_EE_00012	Amount Added: 50.00	Units: uL	
MSV_HP23_ISSS_00017	Amount Added: 1.00	Units: uL	Run Reagent

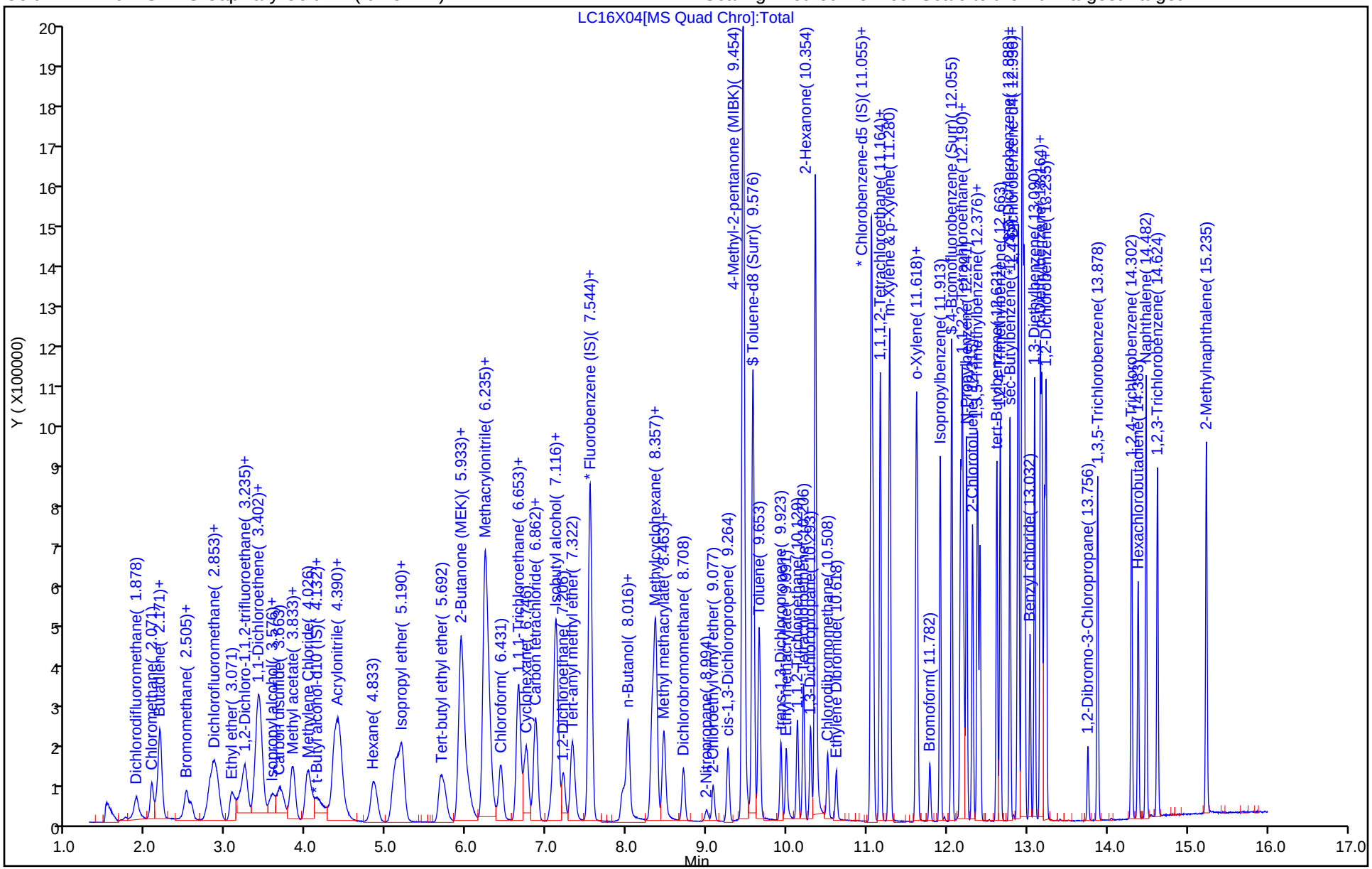
Report Date: 16-Oct-2025 13:08:37 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X04.D

Injection Date:	16-Oct-2025 09:29:31	Instrument ID:	9915	Operator ID:	clm27445
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X04.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 16-Oct-2025 09:29:31 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163364-005
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Oct-2025 13:07:45 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 16-Oct-2025 13:02:17

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	48.8	97.53
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	50.6	101.17
$ 82 Toluene-d8 (Surr)	50.0	50.6	101.12
$ 143 4-Bromofluorobenzene (Surr)	50.0	51.2	102.44

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-712932/5

Matrix: Water
Lab File ID: NC13X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/13/2025 11:32

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.: 712932
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	21.4		1.0	0.30
71-55-6	1,1,1-Trichloroethane	19.2		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	26.7		1.0	0.30
79-00-5	1,1,2-Trichloroethane	23.1		1.0	0.30
75-34-3	1,1-Dichloroethane	22.9		1.0	0.30
75-35-4	1,1-Dichloroethene	21.0		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	21.0		1.0	0.20
107-06-2	1,2-Dichloroethane	18.6		1.0	0.30
78-87-5	1,2-Dichloropropane	22.3		1.0	0.30
78-93-3	2-Butanone (MEK)	265		10	1.0
591-78-6	2-Hexanone	298		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	265		10	0.50
67-64-1	Acetone	270		20	0.70
71-43-2	Benzene	21.8		1.0	0.30
74-97-5	Bromochloromethane	18.7		5.0	0.20
75-27-4	Bromodichloromethane	19.0		1.0	0.20
75-25-2	Bromoform	18.6		4.0	1.0
74-83-9	Bromomethane	20.4		1.0	0.30
75-15-0	Carbon disulfide	22.8		5.0	0.30
56-23-5	Carbon tetrachloride	17.7		1.0	0.30
108-90-7	Chlorobenzene	20.4		1.0	0.30
75-00-3	Chloroethane	23.1		1.0	0.30
67-66-3	Chloroform	19.5		1.0	0.30
74-87-3	Chloromethane	23.3		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	20.7		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.6		1.0	0.20
124-48-1	Dibromochloromethane	19.5		1.0	0.20
100-41-4	Ethylbenzene	21.6		1.0	0.40
1634-04-4	Methyl tert-butyl ether	20.5		1.0	0.20
75-09-2	Methylene Chloride	22.0		1.0	0.30
100-42-5	Styrene	20.2		5.0	0.30
127-18-4	Tetrachloroethene	18.0		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-712932/5

Matrix: Water
Lab File ID: NC13X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/13/2025 11:32

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.: 712932
Units: ug/L

Preparation Batch No.:
Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	22.4		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	20.8		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	22.1		1.0	0.20
79-01-6	Trichloroethene	18.5		1.0	0.30
75-01-4	Vinyl chloride	22.9		1.0	0.30
1330-20-7	Xylenes, Total	63.7		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		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)	112		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X04.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 13-Oct-2025 11:32:24 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162929-005
Operator ID: knk41612 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 13-Oct-2025 20:30:53 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: VY7Q Date: 13-Oct-2025 20:30:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	2.035	2.038	-0.003	98	328367	20.0	17.4	
4 Chloromethane	50	2.238	2.241	-0.003	98	314965	20.0	23.3	
5 Butadiene	39	2.350	2.353	-0.003	90	195290	20.0	22.4	
6 Vinyl chloride	62	2.369	2.366	0.003	97	312387	20.0	22.9	
8 Bromomethane	94	2.710	2.707	0.003	91	216856	20.0	20.4	
9 Chloroethane	64	2.810	2.820	-0.010	100	145057	20.0	23.1	
10 Dichlorofluoromethane	67	3.077	3.074	0.003	97	390134	20.0	21.8	
11 Trichlorofluoromethane	101	3.148	3.144	0.004	96	241033	20.0	13.2	
12 Pentane	43	3.183	3.186	-0.003	96	178009	20.0	21.0	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.511	3.511	0.000	92	181275	20.0	22.2	
16 Acrolein	56	3.607	3.610	-0.003	98	245218	146.3	150.7	
17 1,1-Dichloroethene	96	3.749	3.752	-0.003	94	131892	20.0	21.0	M
19 Acetone	58	3.807	3.797	0.010	100	222225	250.0	270.0	
18 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.800	3.800	0.000	67	172706	20.0	19.0	
20 Iodomethane	142	3.961	3.961	0.000	98	247337	20.0	16.5	
21 Isopropyl alcohol	45	3.977	3.983	-0.006	41	66234	150.0	64.1	
22 Carbon disulfide	76	4.067	4.070	-0.003	99	479694	20.0	22.8	
24 Methyl acetate	43	4.263	4.263	0.000	88	96343	20.0	20.3	M
25 3-Chloro-1-propene	41	4.283	4.289	-0.006	92	171105	20.0	23.3	Ma
26 Methylene Chloride	84	4.492	4.492	0.000	88	151271	20.0	22.0	a
* 27 t-Butyl alcohol-d10 (IS)	65	4.504	4.511	-0.007	92	357289	250.0	250.0	
28 2-Methyl-2-propanol	59	4.662	4.646	0.016	99	275584	200.0	182.6	
29 Acrylonitrile	53	4.861	4.855	0.006	100	303077	100.0	114.4	
32 Methyl tert-butyl ether	73	4.910	4.919	-0.009	58	440700	20.0	20.5	M
31 trans-1,2-Dichloroethene	96	4.919	4.922	-0.003	98	145839	20.0	20.8	M
33 Hexane	57	5.347	5.356	-0.009	88	173430	20.0	21.9	M
35 1,1-Dichloroethane	63	5.598	5.591	0.007	84	242436	20.0	22.9	M
36 Isopropyl ether	45	5.659	5.655	0.004	98	387762	20.0	22.7	
37 2-Chloro-1,3-butadiene	53	5.704	5.704	0.000	89	173258	20.0	19.5	M
39 Tert-butyl ethyl ether	59	6.189	6.189	0.000	98	390960	20.0	20.5	M
40 2-Butanone (MEK)	43	6.392	6.405	-0.013	99	899735	250.0	264.7	
41 cis-1,2-Dichloroethene	96	6.427	6.427	0.000	79	166676	20.0	20.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 2,2-Dichloropropane	77	6.450	6.440	0.010	83	251151	20.0	21.1	
44 Propionitrile	54	6.495	6.501	-0.006	98	193494	150.0	148.4	
46 Methacrylonitrile	67	6.700	6.710	-0.010	88	478510	150.0	165.7	M
47 Chlorobromomethane	128	6.755	6.755	0.000	88	82212	20.0	18.7	
48 Tetrahydrofuran	71	6.758	6.762	-0.004	76	116026	100.0	95.9	
49 Chloroform	83	6.906	6.903	0.003	79	255797	20.0	19.5	M
$ 50 Dibromofluoromethane (Surr)	113	7.118	7.118	0.000	93	303169	50.0	46.8	
51 1,1,1-Trichloroethane	97	7.128	7.128	0.000	97	258807	20.0	19.2	
52 Cyclohexane	56	7.218	7.218	0.000	88	250841	20.0	21.8	
53 Carbon tetrachloride	117	7.337	7.331	0.006	96	223239	20.0	17.7	
54 1,1-Dichloropropene	75	7.334	7.337	-0.003	96	172712	20.0	19.8	
55 Isobutyl alcohol	41	7.491	7.491	0.000	96	197238	500.0	473.3	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.569	7.572	-0.003	98	72984	50.0	50.0	
57 Benzene	78	7.601	7.604	-0.003	96	565436	20.0	21.8	
59 1,2-Dichloroethane	62	7.672	7.675	-0.003	97	156695	20.0	18.6	
60 Tert-amyl methyl ether	73	7.784	7.790	-0.006	100	394331	20.0	20.5	Ma
* 62 Fluorobenzene (IS)	96	7.999	7.996	0.003	99	1138734	50.0	50.0	
63 n-Heptane	43	7.999	8.003	-0.004	62	149248	20.0	22.4	
64 n-Butanol	56	8.356	8.356	0.000	86	323086	1000.0	1014.5	
65 Trichloroethene	95	8.466	8.469	-0.003	93	141292	20.0	18.5	M
67 Methylcyclohexane	83	8.774	8.778	-0.004	90	265505	20.0	19.3	
69 1,2-Dichloropropane	63	8.800	8.803	-0.003	69	136009	20.0	22.3	
68 2-ethoxy-2-methyl butane	87	8.807	8.810	-0.003	94	204762	20.0	19.7	
70 Methyl methacrylate	69	8.880	8.884	-0.004	91	91678	20.0	19.3	
71 1,4-Dioxane	88	8.887	8.893	-0.006	49	53106	500.0	482.3	
72 Dibromomethane	93	8.906	8.913	-0.007	97	88115	20.0	19.4	
74 Dichlorobromomethane	83	9.138	9.138	0.000	99	171750	20.0	19.0	
75 2-Nitropropane	41	9.405	9.411	-0.006	96	31067	20.0	14.9	
76 2-Chloroethyl vinyl ether	63	9.485	9.482	0.003	91	68409	20.0	17.6	
77 cis-1,3-Dichloropropene	75	9.659	9.659	0.000	98	179509	20.0	18.6	
78 4-Methyl-2-pentanone (MIBK)	43	9.826	9.829	-0.003	95	2025860	250.0	265.1	
$ 79 Toluene-d8 (Surr)	98	9.954	9.954	0.000	93	1057402	50.0	56.1	
118 Toluene	92	10.025	10.028	-0.003	99	326620	20.0	22.4	
120 trans-1,3-Dichloropropene	75	10.270	10.269	0.001	90	162621	20.0	22.1	
121 Ethyl methacrylate	69	10.324	10.324	0.000	86	151450	20.0	21.9	
122 1,1,2-Trichloroethane	97	10.466	10.469	-0.003	89	118586	20.0	23.1	
123 Tetrachloroethene	166	10.549	10.546	0.003	96	146965	20.0	18.0	
124 1,3-Dichloropropane	76	10.626	10.626	0.000	87	180429	20.0	23.5	
126 2-Hexanone	43	10.675	10.675	0.000	97	1287174	250.0	298.2	
128 Chlorodibromomethane	129	10.832	10.832	0.000	89	130103	20.0	19.5	
129 Ethylene Dibromide	107	10.938	10.942	-0.004	100	116200	20.0	21.0	
* 131 Chlorobenzene-d5 (IS)	117	11.353	11.356	-0.003	85	766865	50.0	50.0	
132 1-Chlorohexane	91	11.360	11.359	0.001	93	167548	20.0	20.3	
133 Chlorobenzene	112	11.382	11.382	0.000	96	352838	20.0	20.4	
134 1,1,1,2-Tetrachloroethane	131	11.459	11.459	0.000	95	162998	20.0	21.4	
135 Ethylbenzene	91	11.462	11.466	-0.004	98	624685	20.0	21.6	
136 m-Xylene & p-Xylene	106	11.575	11.575	0.000	100	487376	40.0	42.5	
138 o-Xylene	106	11.900	11.896	0.004	96	253742	20.0	21.2	
139 Styrene	104	11.909	11.909	0.000	94	368039	20.0	20.2	
140 Bromoform	173	12.064	12.064	0.000	96	92542	20.0	18.6	
141 Isopropylbenzene	105	12.189	12.189	0.000	95	729806	20.0	22.1	
$ 144 4-Bromofluorobenzene (Surr)	95	12.327	12.331	-0.004	89	351640	50.0	49.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
145 1,1,2,2-Tetrachloroethane	83	12.427	12.430	-0.003	93	198119	20.0	26.7	
146 Bromobenzene	156	12.450	12.450	0.000	92	147105	20.0	18.9	
147 trans-1,4-Dichloro-2-butene	53	12.453	12.453	0.000	90	229697	100.0	123.6	
148 1,2,3-Trichloropropane	110	12.475	12.475	0.000	83	57040	20.0	22.5	
149 N-Propylbenzene	91	12.511	12.511	0.000	99	832929	20.0	25.5	
150 2-Chlorotoluene	126	12.588	12.588	0.000	97	160352	20.0	21.5	
151 1,3,5-Trimethylbenzene	105	12.642	12.642	0.000	93	613066	20.0	23.8	
152 4-Chlorotoluene	126	12.678	12.678	0.000	97	152243	20.0	21.3	
154 tert-Butylbenzene	134	12.884	12.884	0.000	92	124485	20.0	21.8	
155 1,2,4-Trimethylbenzene	105	12.922	12.922	0.000	97	598407	20.0	22.8	
157 sec-Butylbenzene	105	13.041	13.044	-0.003	94	814886	20.0	25.0	
158 1,3-Dichlorobenzene	146	13.141	13.141	0.000	98	307634	20.0	21.1	
159 4-Isopropyltoluene	119	13.147	13.147	0.000	97	655975	20.0	22.3	
* 160 1,4-Dichlorobenzene-d4	152	13.196	13.195	0.001	94	422875	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.215	13.215	0.000	95	301970	20.0	20.7	
162 1,2,3-Trimethylbenzene	105	13.224	13.224	0.000	99	636288	20.0	23.8	
163 Benzyl chloride	91	13.292	13.292	0.000	98	375383	20.0	28.4	
164 1,3-Diethylbenzene	119	13.343	13.343	0.000	94	375271	20.0	23.3	
165 p-Diethylbenzene	119	13.417	13.414	0.003	93	396900	20.0	23.5	
166 n-Butylbenzene	92	13.437	13.437	0.000	98	338896	20.0	26.9	
167 1,2-Dichlorobenzene	146	13.469	13.475	-0.006	98	311441	20.0	21.4	
168 o-diethylbenzene	119	13.488	13.488	0.000	95	341818	20.0	23.6	
170 1,2-Dibromo-3-Chloropropane	75	14.009	14.009	0.000	88	44935	20.0	22.5	
171 1,3,5-Trichlorobenzene	180	14.131	14.131	0.000	98	234567	20.0	19.5	
172 1,2,4-Trichlorobenzene	180	14.552	14.552	0.000	94	221432	20.0	19.8	
174 Hexachlorobutadiene	225	14.630	14.630	0.000	97	78840	20.0	17.0	
175 Naphthalene	128	14.739	14.736	0.003	97	758998	20.0	22.9	
176 1,2,3-Trichlorobenzene	180	14.880	14.877	0.003	96	227768	20.0	19.9	
177 2-Methylnaphthalene	142	15.523	15.523	0.000	92	443097	20.0	22.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LCS_ACROL_00249	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00272	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00252	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00244	Amount Added: 50.00	Units: uL	
MSV_Cent_ISSS_00045	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 13-Oct-2025 20:30:54 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X04.D

Injection Date: 13-Oct-2025 11:32:24 Instrument ID: 7159 Operator ID: knk41612

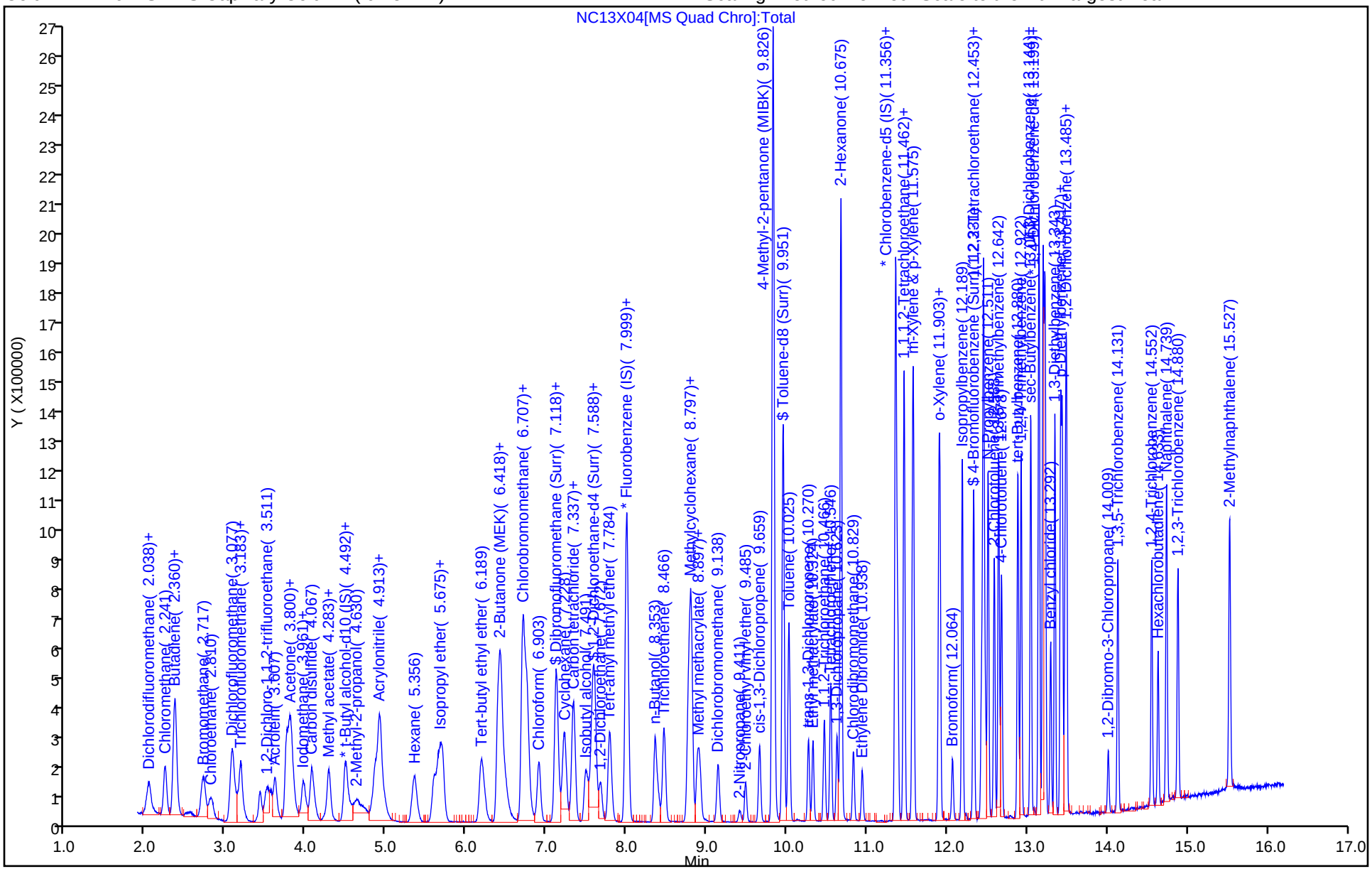
Lims ID: LCSD Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X04.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 13-Oct-2025 11:32:24 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0162929-005
Operator ID: knk41612 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 13-Oct-2025 20:30:53 Calib Date: 22-Sep-2025 22:59:14
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250922-160533.b\NS22X23.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: VY7Q Date: 13-Oct-2025 20:30:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 50 Dibromofluoromethane (Surr)	50.0	46.8	93.66
$ 56 1,2-Dichloroethane-d4 (Surr)	50.0	50.0	100.06
$ 79 Toluene-d8 (Surr)	50.0	56.1	112.26
$ 144 4-Bromofluorobenzene (Surr)	50.0	49.4	98.87

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

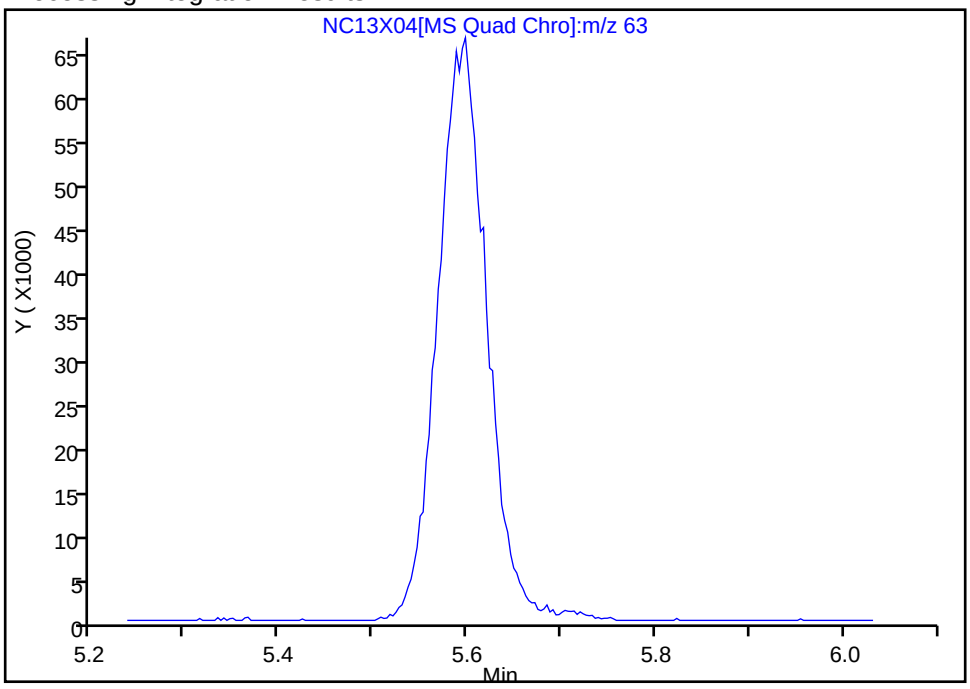
Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X04.D				
Injection Date:	13-Oct-2025 11:32:24	Instrument ID:	7159		
Lims ID:	LCSD				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

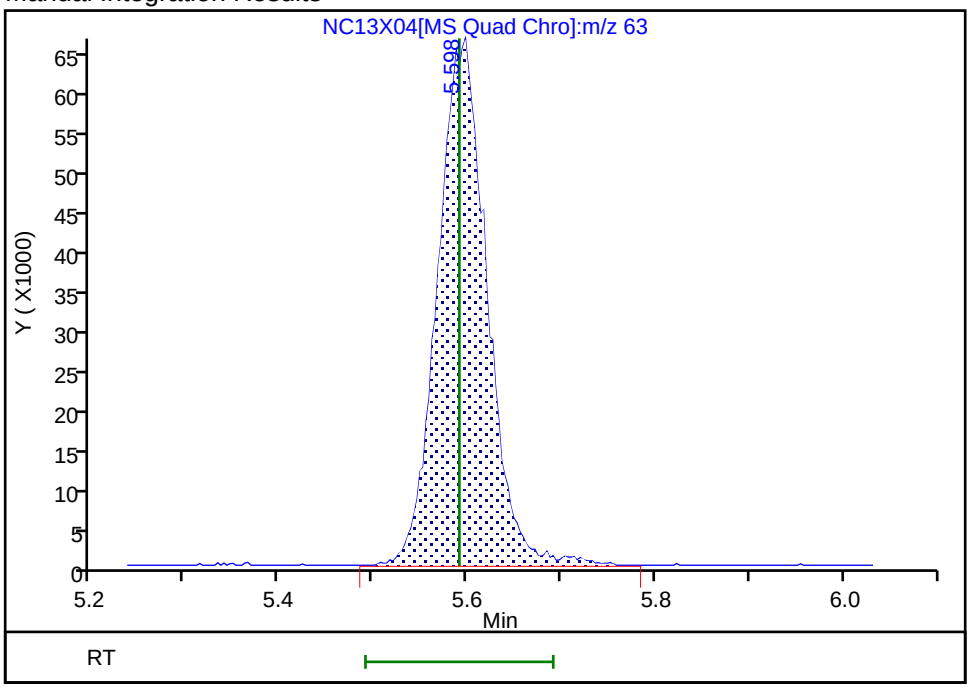
Not Detected
Expected RT: 5.59

Processing Integration Results



Manual Integration Results

RT: 5.60
Area: 242436
Amount: 22.882819
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 12:05:03 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

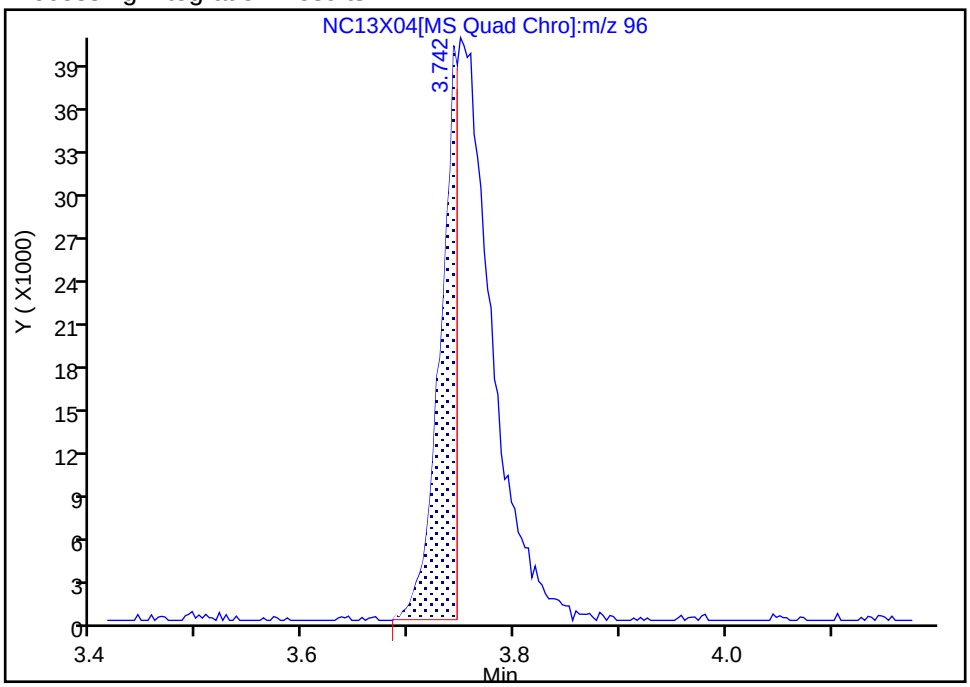
Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X04.D				
Injection Date:	13-Oct-2025 11:32:24	Instrument ID:	7159		
Lims ID:	LCSD				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

17 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

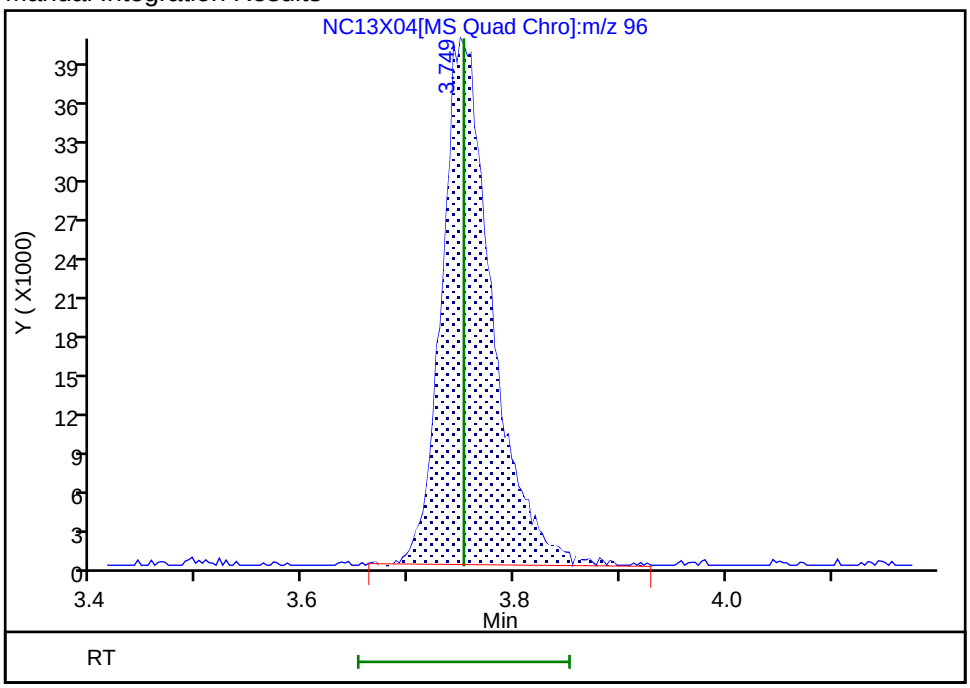
Processing Integration Results

RT: 3.74
Area: 45486
Amount: 7.234958
Amount Units: ug/l



Manual Integration Results

RT: 3.75
Area: 131892
Amount: 20.978610
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 12:04:18 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

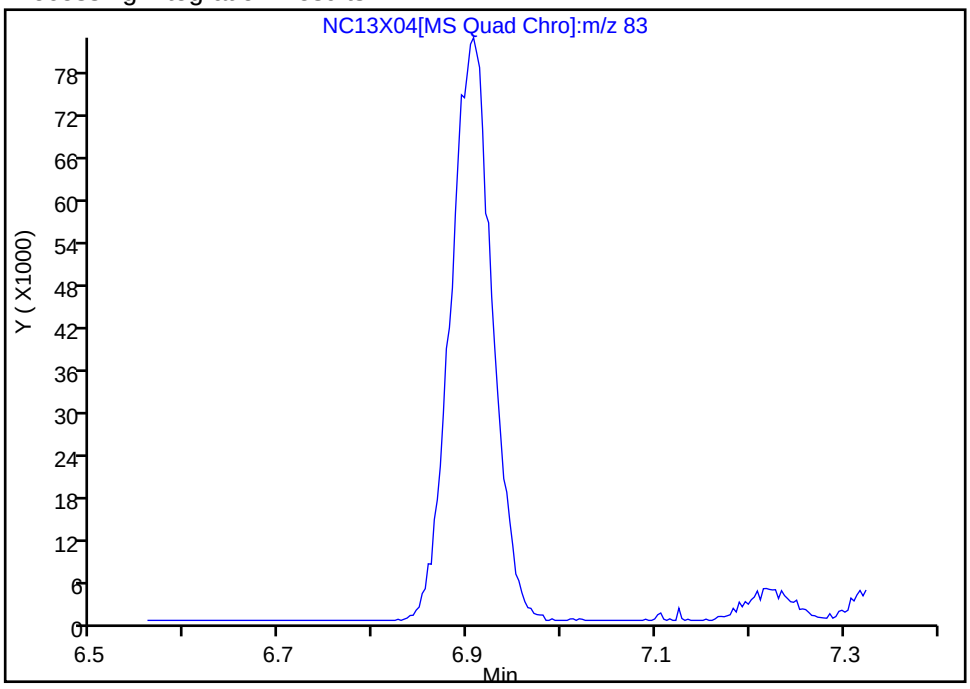
Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X04.D				
Injection Date:	13-Oct-2025 11:32:24	Instrument ID:	7159		
Lims ID:	LCSD				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

49 Chloroform, CAS: 67-66-3

Signal: 1

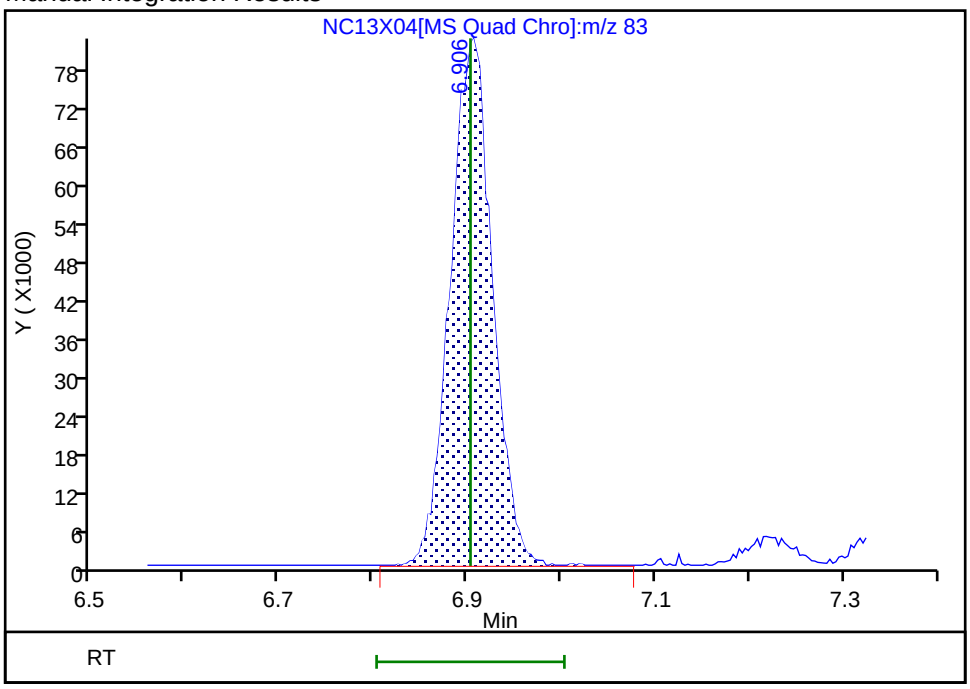
Not Detected
Expected RT: 6.90

Processing Integration Results



Manual Integration Results

RT: 6.91
Area: 255797
Amount: 19.465107
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 12:05:17 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

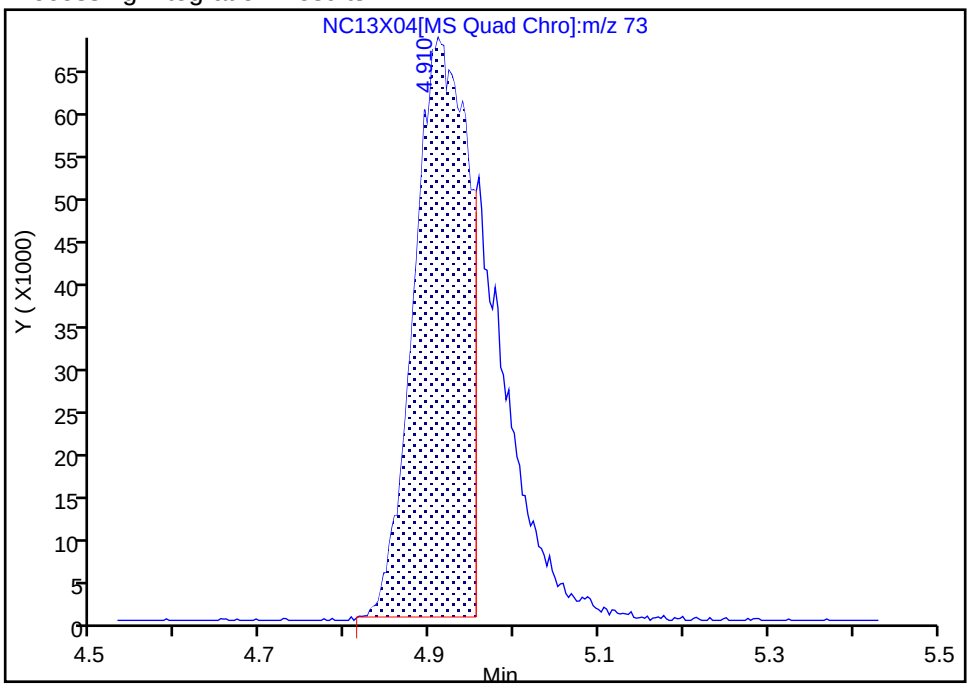
Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X04.D				
Injection Date:	13-Oct-2025 11:32:24	Instrument ID:	7159		
Lims ID:	LCSD				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

32 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

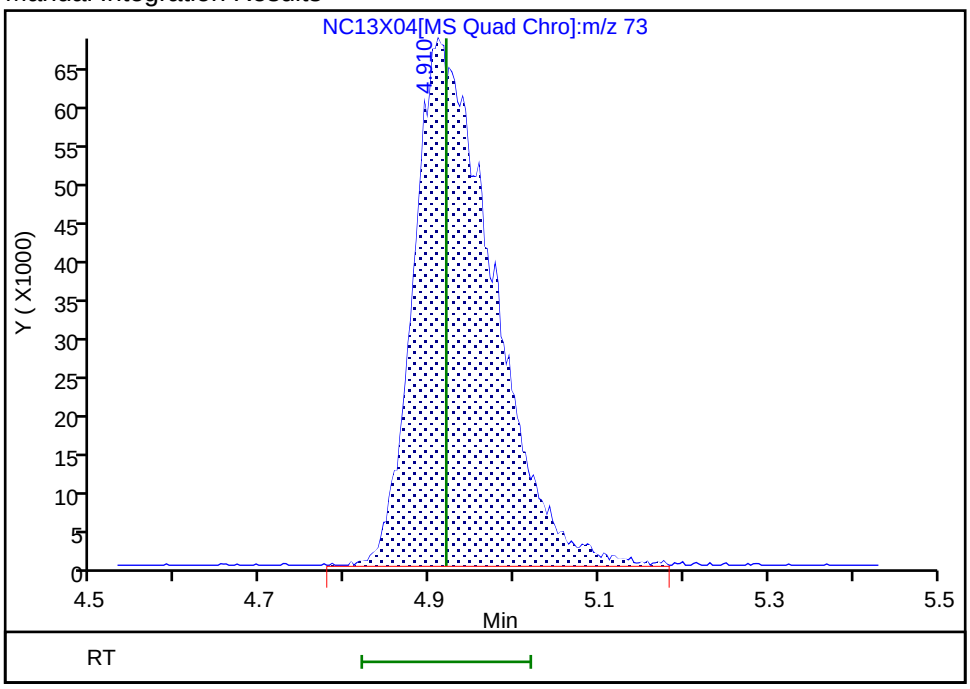
Processing Integration Results

RT: 4.91
Area: 301621
Amount: 14.037075
Amount Units: ug/l



Manual Integration Results

RT: 4.91
Area: 440700
Amount: 20.509642
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 12:04:54 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

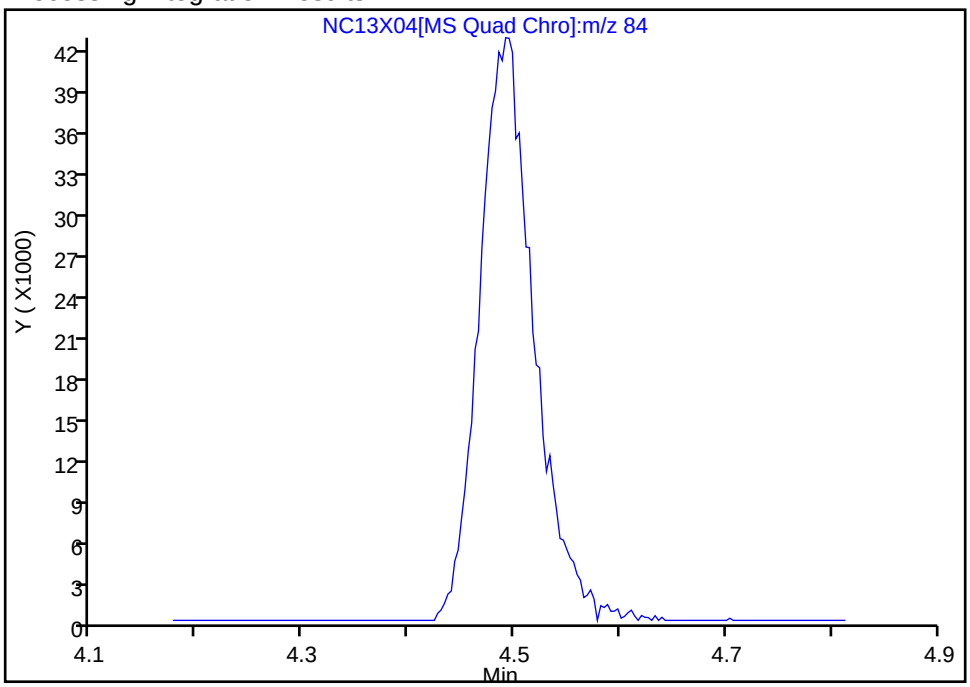
Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X04.D
Injection Date: 13-Oct-2025 11:32:24 Instrument ID: 7159
Lims ID: LCSD
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

26 Methylene Chloride, CAS: 75-09-2

Signal: 1

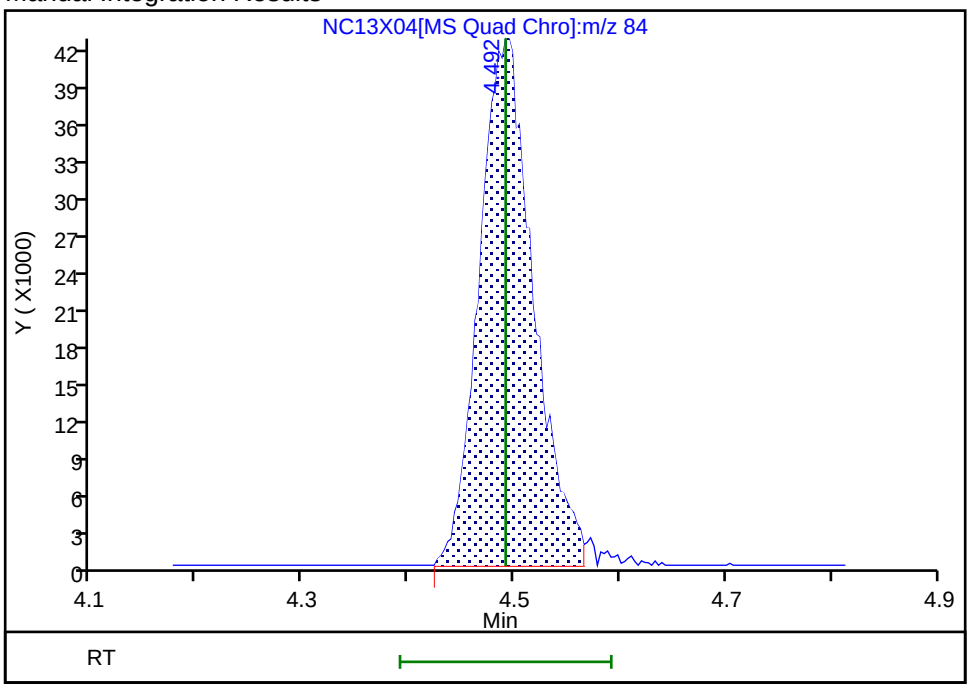
Not Detected
Expected RT: 4.49

Processing Integration Results



Manual Integration Results

RT: 4.49
Area: 151271
Amount: 22.010992
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 12:04:48 -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

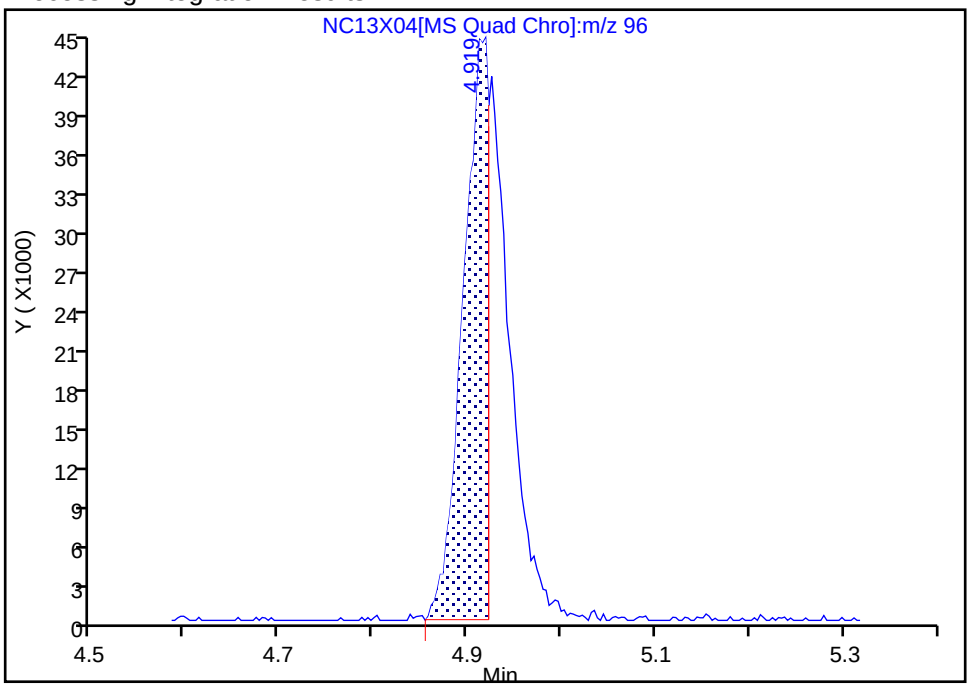
Data File: \\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X04.D
Injection Date: 13-Oct-2025 11:32:24 Instrument ID: 7159
Lims ID: LCSD
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

31 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

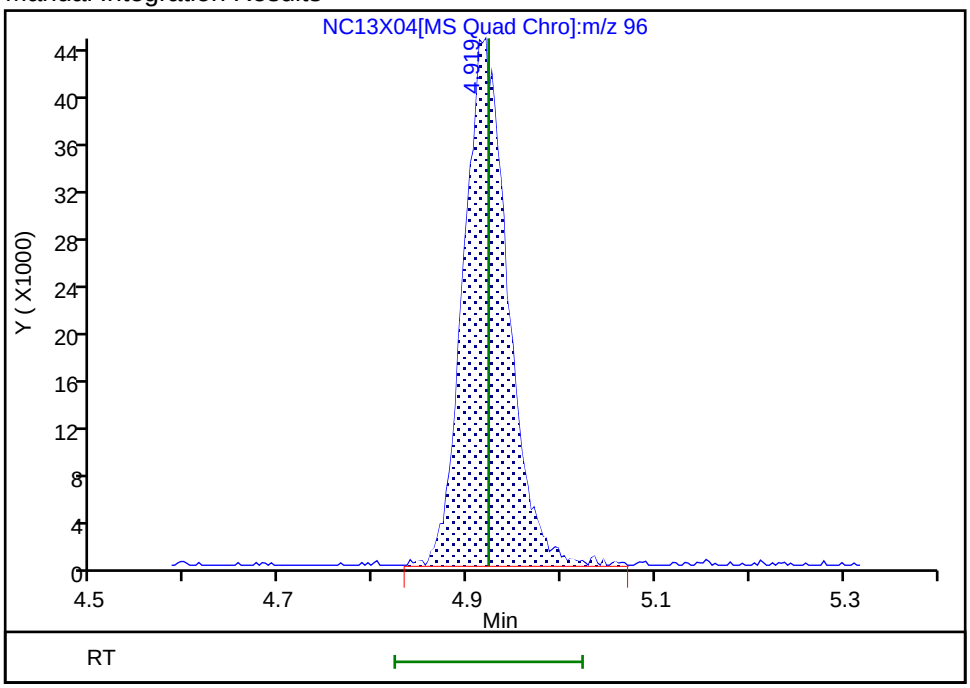
Processing Integration Results

RT: 4.92
Area: 82881
Amount: 11.818282
Amount Units: ug/l



Manual Integration Results

RT: 4.92
Area: 145839
Amount: 20.795676
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 12:04:57 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

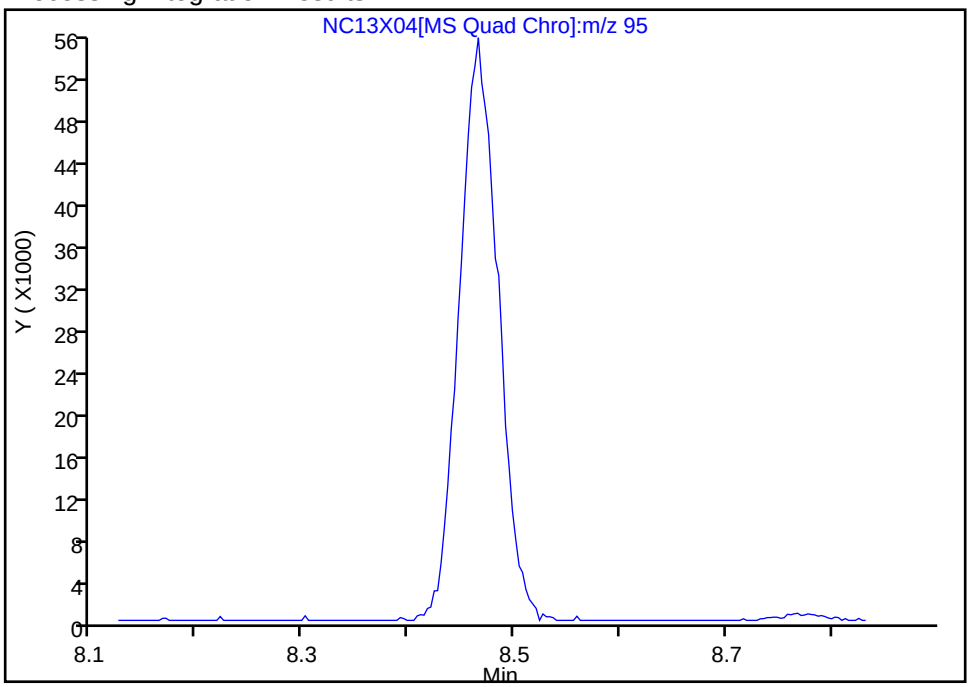
Data File:	\\chromfs\Lancaster\ChromData\7159\20251013-162929.b\NC13X04.D				
Injection Date:	13-Oct-2025 11:32:24	Instrument ID:	7159		
Lims ID:	LCSD				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6

Signal: 1

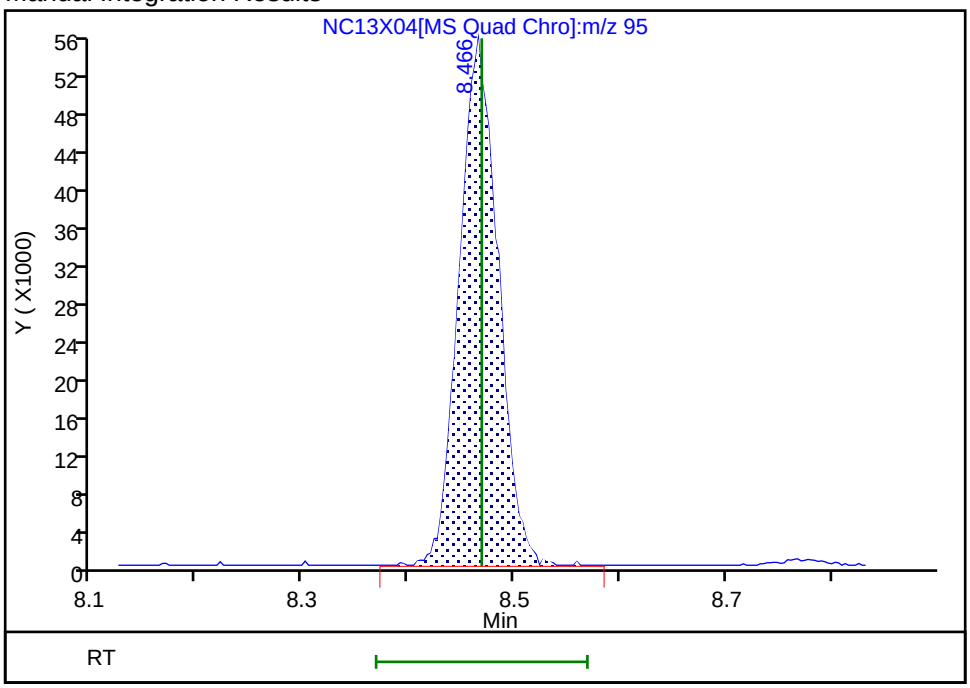
Not Detected
Expected RT: 8.47

Processing Integration Results



Manual Integration Results

RT: 8.47
Area: 141292
Amount: 18.456505
Amount Units: ug/l



Reviewer: DVW2, 13-Oct-2025 12:05:33 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-713456/5

Matrix: Water
Lab File ID: LC14X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/14/2025 10:44

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.: 713456
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	18.5		1.0	0.30
71-55-6	1,1,1-Trichloroethane	17.4		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	17.6		1.0	0.30
79-00-5	1,1,2-Trichloroethane	18.1		1.0	0.30
75-34-3	1,1-Dichloroethane	17.7		1.0	0.30
75-35-4	1,1-Dichloroethene	17.3		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	17.9		1.0	0.20
107-06-2	1,2-Dichloroethane	17.5		1.0	0.30
78-87-5	1,2-Dichloropropane	18.0		1.0	0.30
78-93-3	2-Butanone (MEK)	234		10	1.0
591-78-6	2-Hexanone	281		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	255		10	0.50
67-64-1	Acetone	220		20	0.70
71-43-2	Benzene	17.6		1.0	0.30
74-97-5	Bromochloromethane	17.4		5.0	0.20
75-27-4	Bromodichloromethane	17.1		1.0	0.20
75-25-2	Bromoform	17.0		4.0	1.0
74-83-9	Bromomethane	14.3		1.0	0.30
75-15-0	Carbon disulfide	16.1		5.0	0.30
56-23-5	Carbon tetrachloride	17.2		1.0	0.30
108-90-7	Chlorobenzene	17.7		1.0	0.30
75-00-3	Chloroethane	13.8		1.0	0.30
67-66-3	Chloroform	17.4		1.0	0.30
74-87-3	Chloromethane	15.1		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	17.7		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	17.0		1.0	0.20
124-48-1	Dibromochloromethane	16.9		1.0	0.20
100-41-4	Ethylbenzene	18.3		1.0	0.40
1634-04-4	Methyl tert-butyl ether	17.1		1.0	0.20
75-09-2	Methylene Chloride	17.6		1.0	0.30
100-42-5	Styrene	18.3		5.0	0.30
127-18-4	Tetrachloroethene	17.6		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-713456/5

Matrix: Water
Lab File ID: LC14X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/14/2025 10:44

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.: 713456
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	18.1		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	16.9		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	18.2		1.0	0.20
79-01-6	Trichloroethene	17.3		1.0	0.30
75-01-4	Vinyl chloride	15.5		1.0	0.30
1330-20-7	Xylenes, Total	55.2		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X04.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 14-Oct-2025 10:44:07 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-005
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 20:37:57 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 14-Oct-2025 12:59:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.882	1.885	-0.003	98	146928	20.0	13.4	
5 Chloromethane	50	2.068	2.078	-0.010	99	148109	20.0	15.1	
6 Butadiene	39	2.174	2.187	-0.013	87	140527	20.0	16.8	
7 Vinyl chloride	62	2.181	2.187	-0.006	98	140992	20.0	15.5	
9 Bromomethane	94	2.502	2.515	-0.013	91	87703	20.0	14.3	
10 Chloroethane	64	2.570	2.579	-0.009	99	73140	20.0	13.8	
11 Dichlorofluoromethane	67	2.801	2.817	-0.016	98	225335	20.0	16.6	
12 Pentane	43	2.853	2.866	-0.013	98	139710	20.0	13.9	
13 Trichlorofluoromethane	101	2.878	2.885	-0.007	97	143350	20.0	11.9	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.200	3.200	0.000	89	121438	20.0	16.5	
17 Acrolein	56	3.235	3.245	-0.010	100	249480	146.3	119.7	
18 1,1-Dichloroethene	96	3.370	3.383	-0.013	97	97352	20.0	17.3	
19 Acetone	58	3.406	3.415	-0.009	100	197857	250.0	220.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.425	3.444	-0.019	86	88942	20.0	15.4	
22 Iodomethane	142	3.566	3.586	-0.020	98	171722	20.0	15.9	
21 Isopropyl alcohol	45	3.595	3.618	-0.023	46	76239	150.0	129.4	
23 Carbon disulfide	76	3.669	3.682	-0.013	99	324444	20.0	16.1	
25 Methyl acetate	43	3.808	3.811	-0.003	96	105942	20.0	17.9	
26 3-Chloro-1-propene	41	3.824	3.837	-0.013	92	155143	20.0	16.5	
27 Methylene Chloride	84	4.013	4.023	-0.010	95	117029	20.0	17.6	
* 28 t-Butyl alcohol-d10 (IS)	65	4.100	4.110	-0.010	80	214598	250.0	250.0	
29 2-Methyl-2-propanol	59	4.216	4.210	0.006	95	184422	200.0	200.0	
30 Acrylonitrile	53	4.345	4.354	-0.009	100	306994	100.0	87.6	
31 Methyl tert-butyl ether	73	4.380	4.412	-0.032	92	302192	20.0	17.1	
32 trans-1,2-Dichloroethene	96	4.409	4.415	-0.006	99	109935	20.0	16.9	
35 Hexane	57	4.840	4.849	-0.009	91	117668	20.0	15.1	
36 1,1-Dichloroethane	63	5.087	5.094	-0.007	96	187416	20.0	17.7	
38 Isopropyl ether	45	5.152	5.152	0.000	97	309989	20.0	17.8	
39 2-Chloro-1,3-butadiene	53	5.200	5.206	-0.006	93	144840	20.0	16.9	
40 Tert-butyl ethyl ether	59	5.679	5.692	-0.013	96	269576	20.0	17.3	
41 2-Butanone (MEK)	43	5.926	5.939	-0.013	99	797173	250.0	233.6	
42 cis-1,2-Dichloroethene	96	5.939	5.943	-0.004	74	122376	20.0	17.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.959	5.972	-0.013	85	131880	20.0	17.9	
45 Propionitrile	54	6.023	6.029	-0.006	99	182198	150.0	140.6	
48 Methacrylonitrile	67	6.229	6.238	-0.009	92	440905	150.0	145.6	
49 Chlorobromomethane	128	6.271	6.274	-0.003	90	63125	20.0	17.4	
50 Tetrahydrofuran	71	6.290	6.293	-0.003	83	80969	100.0	80.7	
51 Chloroform	83	6.428	6.431	-0.003	93	181690	20.0	17.4	
$ 52 Dibromofluoromethane (Surr)	113	6.647	6.647	0.000	94	263854	50.0	48.5	
53 1,1,1-Trichloroethane	97	6.650	6.660	-0.010	92	154164	20.0	17.4	
54 Cyclohexane	56	6.743	6.750	-0.007	92	164721	20.0	15.8	
56 Carbon tetrachloride	117	6.856	6.859	-0.003	87	126676	20.0	17.2	
55 1,1-Dichloropropene	75	6.859	6.862	-0.003	97	130731	20.0	17.0	
57 Isobutyl alcohol	41	7.081	7.078	0.003	76	100861	500.0	439.1	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.103	7.113	-0.010	95	67642	50.0	50.1	
59 Benzene	78	7.132	7.132	0.000	96	423175	20.0	17.6	
60 1,2-Dichloroethane	62	7.206	7.213	-0.007	97	140687	20.0	17.5	
62 Tert-amyl methyl ether	73	7.322	7.325	-0.003	96	257602	20.0	17.8	
* 63 Fluorobenzene (IS)	96	7.537	7.541	-0.004	99	1084560	50.0	50.0	
64 n-Heptane	43	7.550	7.550	0.000	90	125592	20.0	15.3	
66 n-Butanol	56	7.962	7.968	-0.006	93	131811	1000.0	1191.8	
67 Trichloroethene	95	8.020	8.020	0.000	97	104165	20.0	17.3	
69 Methylcyclohexane	83	8.322	8.322	0.000	91	170317	20.0	15.4	
70 1,2-Dichloropropane	63	8.357	8.361	-0.004	86	100452	20.0	18.0	
71 2-ethoxy-2-methyl butane	87	8.364	8.367	-0.003	91	127899	20.0	17.7	
72 Methyl methacrylate	69	8.450	8.454	-0.004	88	61168	20.0	16.4	
73 1,4-Dioxane	88	8.476	8.460	0.016	58	31051	500.0	470.0	
74 Dibromomethane	93	8.467	8.470	-0.003	92	65020	20.0	17.6	
76 Dichlorobromomethane	83	8.708	8.711	-0.003	99	119850	20.0	17.1	
77 2-Nitropropane	41	8.997	9.000	-0.003	98	20965	20.0	16.7	
78 2-Chloroethyl vinyl ether	63	9.077	9.081	-0.004	93	48035	20.0	15.2	
79 cis-1,3-Dichloropropene	75	9.264	9.267	-0.003	96	131369	20.0	17.0	
80 4-Methyl-2-pentanone (MIBK)	43	9.454	9.457	-0.003	96	1816503	250.0	254.8	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	1007037	50.0	51.0	
83 Toluene	92	9.653	9.656	-0.003	99	245158	20.0	18.1	
95 trans-1,3-Dichloropropene	75	9.920	9.923	-0.003	93	110814	20.0	18.2	
96 Ethyl methacrylate	69	9.994	9.994	0.000	89	104085	20.0	16.4	
118 1,1,2-Trichloroethane	97	10.132	10.132	0.000	90	85692	20.0	18.1	
119 Tetrachloroethene	166	10.209	10.206	0.003	97	115322	20.0	17.6	
120 1,3-Dichloropropane	76	10.293	10.293	0.000	92	132748	20.0	18.2	
122 2-Hexanone	43	10.354	10.357	-0.003	96	1059514	250.0	281.1	
124 Chlorodibromomethane	129	10.508	10.508	0.000	90	86261	20.0	16.9	
125 Ethylene Dibromide	107	10.618	10.614	0.004	99	80061	20.0	17.9	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	744435	50.0	50.0	
127 1-Chlorohexane	91	11.065	11.065	0.000	97	113129	20.0	16.8	
128 Chlorobenzene	112	11.077	11.077	0.000	96	266044	20.0	17.7	
132 1,1,1,2-Tetrachloroethane	131	11.161	11.164	-0.003	95	104144	20.0	18.5	
133 Ethylbenzene	91	11.164	11.168	-0.004	98	473784	20.0	18.3	
135 m-Xylene & p-Xylene	106	11.280	11.283	-0.003	100	382226	40.0	36.9	
137 o-Xylene	106	11.611	11.611	0.000	97	199863	20.0	18.3	
138 Styrene	104	11.627	11.627	0.000	95	291016	20.0	18.3	
139 Bromoform	173	11.785	11.782	0.003	99	63664	20.0	17.0	
140 Isopropylbenzene	105	11.913	11.913	0.000	95	529652	20.0	19.1	
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	95	354906	50.0	50.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
146 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	95	153119	20.0	17.6	
147 Bromobenzene	156	12.171	12.171	0.000	91	124820	20.0	17.0	
148 trans-1,4-Dichloro-2-butene	53	12.190	12.190	0.000	94	180948	100.0	88.8	
149 1,2,3-Trichloropropane	110	12.209	12.209	0.000	84	48275	20.0	17.2	
150 N-Propylbenzene	91	12.241	12.241	0.000	98	599997	20.0	18.1	
151 2-Chlorotoluene	126	12.319	12.315	0.003	97	126371	20.0	17.4	
152 1,3,5-Trimethylbenzene	105	12.380	12.380	0.000	94	449361	20.0	18.3	
153 4-Chlorotoluene	126	12.409	12.409	0.000	97	120957	20.0	17.6	
155 tert-Butylbenzene	134	12.621	12.621	0.000	92	91516	20.0	16.7	
157 1,2,4-Trimethylbenzene	105	12.663	12.663	0.000	97	461331	20.0	18.1	
158 sec-Butylbenzene	105	12.782	12.785	-0.003	94	568014	20.0	18.2	
159 1,3-Dichlorobenzene	146	12.881	12.881	0.000	99	265986	20.0	17.8	
160 4-Isopropyltoluene	119	12.891	12.891	0.000	97	504431	20.0	18.1	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	484260	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.952	12.955	-0.003	96	264865	20.0	17.6	
163 1,2,3-Trimethylbenzene	105	12.965	12.965	0.000	98	483397	20.0	18.1	
165 Benzyl chloride	91	13.036	13.032	0.004	98	253551	20.0	17.7	
166 1,3-Diethylbenzene	119	13.090	13.090	0.000	95	298066	20.0	18.5	
167 p-Diethylbenzene	119	13.164	13.164	0.000	94	324681	20.0	18.3	
168 n-Butylbenzene	92	13.183	13.183	0.000	97	249206	20.0	17.9	
169 1,2-Dichlorobenzene	146	13.212	13.212	0.000	99	283075	20.0	17.9	
170 o-diethylbenzene	119	13.235	13.235	0.000	94	252344	20.0	18.4	
172 1,2-Dibromo-3-Chloropropane	75	13.753	13.756	-0.003	88	37427	20.0	17.4	
173 1,3,5-Trichlorobenzene	180	13.878	13.878	0.000	98	251302	20.0	17.9	
174 1,2,4-Trichlorobenzene	180	14.299	14.302	-0.003	94	250654	20.0	18.2	
176 Hexachlorobutadiene	225	14.383	14.383	0.000	94	103184	20.0	17.0	
177 Naphthalene	128	14.482	14.482	0.000	96	738171	20.0	18.6	
178 1,2,3-Trichlorobenzene	180	14.624	14.624	0.000	95	243635	20.0	17.7	
179 2-Methylnaphthalene	142	15.235	15.235	0.000	93	428649	20.0	19.1	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_Gases_00272	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00249	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00252	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00244	Amount Added: 50.00	Units: uL	
MSV_HP23_ISSS_00017	Amount Added: 1.00	Units: uL	Run Reagent

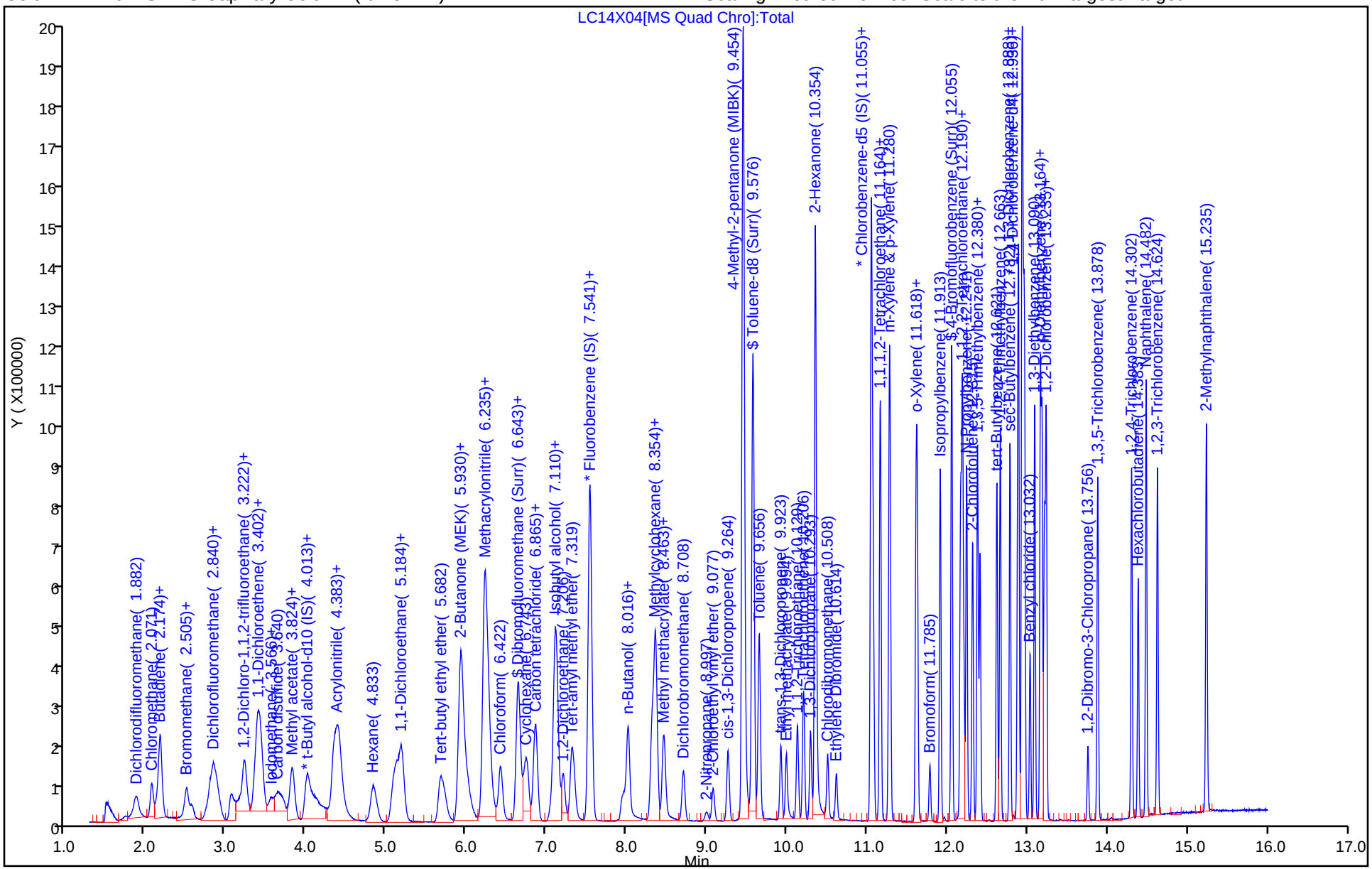
Report Date: 14-Oct-2025 20:38:14 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X04.D

Injection Date:	14-Oct-2025 10:44:07	Instrument ID:	9915	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_9915a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\LC14X04.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 14-Oct-2025 10:44:07 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163058-005
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251014-163058.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 14-Oct-2025 20:37:57 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 14-Oct-2025 12:59:56

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	48.5	96.96
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	50.1	100.29
$ 82 Toluene-d8 (Surr)	50.0	51.0	102.06
$ 143 4-Bromofluorobenzene (Surr)	50.0	50.2	100.44

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-714809/6

Matrix: Water
Lab File ID: LC16X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/16/2025 09:51

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.: 714809
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	19.8		1.0	0.30
71-55-6	1,1,1-Trichloroethane	19.7		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	19.0		1.0	0.30
79-00-5	1,1,2-Trichloroethane	19.1		1.0	0.30
75-34-3	1,1-Dichloroethane	20.0		1.0	0.30
75-35-4	1,1-Dichloroethene	19.5		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	19.3		1.0	0.20
107-06-2	1,2-Dichloroethane	19.4		1.0	0.30
78-87-5	1,2-Dichloropropane	19.6		1.0	0.30
78-93-3	2-Butanone (MEK)	256		10	1.0
591-78-6	2-Hexanone	302		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	277		10	0.50
67-64-1	Acetone	231		20	0.70
71-43-2	Benzene	19.7		1.0	0.30
74-97-5	Bromochloromethane	18.5		5.0	0.20
75-27-4	Bromodichloromethane	18.3		1.0	0.20
75-25-2	Bromoform	17.6		4.0	1.0
74-83-9	Bromomethane	14.9		1.0	0.30
75-15-0	Carbon disulfide	18.3		5.0	0.30
56-23-5	Carbon tetrachloride	19.8		1.0	0.30
108-90-7	Chlorobenzene	19.0		1.0	0.30
75-00-3	Chloroethane	14.9		1.0	0.30
67-66-3	Chloroform	19.2		1.0	0.30
74-87-3	Chloromethane	16.9		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	19.5		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.3		1.0	0.20
124-48-1	Dibromochloromethane	17.7		1.0	0.20
100-41-4	Ethylbenzene	19.9		1.0	0.40
1634-04-4	Methyl tert-butyl ether	18.8		1.0	0.20
75-09-2	Methylene Chloride	19.6		1.0	0.30
100-42-5	Styrene	19.7		5.0	0.30
127-18-4	Tetrachloroethene	18.8		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-245374-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-714809/6

Matrix: Water
Lab File ID: LC16X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/16/2025 09:51

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.: 714809
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	19.4		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	19.2		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	19.4		1.0	0.20
79-01-6	Trichloroethene	19.0		1.0	0.30
75-01-4	Vinyl chloride	16.5		1.0	0.30
1330-20-7	Xylenes, Total	59.5		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X05.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 16-Oct-2025 09:51:55 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163364-006
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Oct-2025 13:07:45 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 16-Oct-2025 13:04:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.875	1.872	0.003	99	152891	20.0	14.3	
5 Chloromethane	50	2.065	2.065	0.000	99	161918	20.0	16.9	
6 Butadiene	39	2.168	2.168	0.000	93	175811	20.0	21.5	
7 Vinyl chloride	62	2.174	2.174	0.000	98	145725	20.0	16.5	
9 Bromomethane	94	2.496	2.502	-0.006	91	88916	20.0	14.9	
10 Chloroethane	64	2.557	2.560	-0.003	100	76927	20.0	14.9	
11 Dichlorofluoromethane	67	2.801	2.808	-0.007	97	240243	20.0	18.2	
12 Pentane	43	2.850	2.853	-0.003	98	176807	20.0	18.0	
13 Trichlorofluoromethane	101	2.872	2.878	-0.006	95	149208	20.0	12.7	
15 Ethyl ether	59	3.065	3.062	0.003	92	87102	19.9	18.6	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.184	3.181	0.003	91	130599	20.0	18.2	
17 Acrolein	56	3.239	3.229	0.010	99	267821	146.3	125.6	
18 1,1-Dichloroethene	96	3.367	3.367	0.000	96	107014	20.0	19.5	
19 Acetone	58	3.399	3.406	-0.007	100	212079	250.0	230.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.422	3.425	-0.003	93	103575	20.0	18.5	
21 Isopropyl alcohol	45	3.612	3.582	0.030	51	80731	150.0	133.9	
22 Iodomethane	142	3.576	3.586	-0.010	97	180033	20.0	17.1	
23 Carbon disulfide	76	3.669	3.672	-0.003	99	359897	20.0	18.3	
25 Methyl acetate	43	3.811	3.795	0.016	73	121983	20.0	21.2	
26 3-Chloro-1-propene	41	3.824	3.827	-0.003	92	178908	20.0	19.5	
27 Methylene Chloride	84	4.007	4.013	-0.006	93	127115	20.0	19.6	
* 28 t-Butyl alcohol-d10 (IS)	65	4.100	4.097	0.003	89	219528	250.0	250.0	
29 2-Methyl-2-propanol	59	4.187	4.203	-0.016	94	196907	200.0	208.8	
30 Acrylonitrile	53	4.345	4.344	0.001	100	335606	100.0	98.2	
31 Methyl tert-butyl ether	73	4.390	4.386	0.004	96	323285	20.0	18.8	
32 trans-1,2-Dichloroethene	96	4.409	4.402	0.007	98	121716	20.0	19.2	
35 Hexane	57	4.837	4.836	0.001	94	142781	20.0	18.8	
36 1,1-Dichloroethane	63	5.081	5.081	0.000	97	206989	20.0	20.0	
38 Isopropyl ether	45	5.145	5.139	0.006	95	337607	20.0	19.9	
39 2-Chloro-1,3-butadiene	53	5.190	5.190	0.000	92	160113	20.0	19.2	
40 Tert-butyl ethyl ether	59	5.689	5.679	0.010	97	293701	20.0	19.3	
41 2-Butanone (MEK)	43	5.923	5.923	0.000	100	850398	250.0	255.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.933	5.930	0.003	82	131404	20.0	19.5	
43 2,2-Dichloropropane	77	5.959	5.959	0.000	88	153159	20.0	21.3	
45 Propionitrile	54	6.026	6.020	0.006	98	195676	150.0	147.6	
48 Methacrylonitrile	67	6.226	6.229	-0.003	93	470634	150.0	159.4	
49 Chlorobromomethane	128	6.267	6.267	0.000	94	65727	20.0	18.5	
50 Tetrahydrofuran	71	6.283	6.283	0.000	83	83945	100.0	81.8	
51 Chloroform	83	6.425	6.428	-0.003	93	195443	20.0	19.2	
53 1,1,1-Trichloroethane	97	6.653	6.647	0.006	64	169980	20.0	19.7	
$ 52 Dibromofluoromethane (Surr)	113	6.644	6.647	-0.003	94	259381	50.0	48.9	
54 Cyclohexane	56	6.746	6.746	0.000	91	190299	20.0	18.7	
56 Carbon tetrachloride	117	6.856	6.859	-0.003	89	142272	20.0	19.8	
55 1,1-Dichloropropene	75	6.859	6.862	-0.003	95	142926	20.0	19.1	
57 Isobutyl alcohol	41	7.084	7.071	0.013	90	109273	500.0	465.0	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.100	7.110	-0.010	96	66061	50.0	50.2	
59 Benzene	78	7.126	7.126	0.000	97	462472	20.0	19.7	
60 1,2-Dichloroethane	62	7.209	7.209	0.000	98	152311	20.0	19.4	
62 Tert-amyl methyl ether	73	7.319	7.319	0.000	96	284353	20.0	20.1	
* 63 Fluorobenzene (IS)	96	7.541	7.544	-0.003	99	1057212	50.0	50.0	
64 n-Heptane	43	7.554	7.547	0.007	92	151371	20.0	19.0	
66 n-Butanol	56	7.955	7.955	0.000	96	141273	1000.0	1248.7	
67 Trichloroethene	95	8.017	8.013	0.004	97	111764	20.0	19.0	
69 Methylcyclohexane	83	8.319	8.315	0.004	92	196446	20.0	18.3	
70 1,2-Dichloropropane	63	8.354	8.354	0.000	87	106720	20.0	19.6	
71 2-ethoxy-2-methyl butane	87	8.361	8.364	-0.003	90	141764	20.0	20.1	
72 Methyl methacrylate	69	8.451	8.447	0.004	91	63885	20.0	17.3	
73 1,4-Dioxane	88	8.454	8.457	-0.003	41	32567	500.0	481.8	
74 Dibromomethane	93	8.470	8.467	0.004	93	67716	20.0	18.8	
76 Dichlorobromomethane	83	8.708	8.704	0.004	99	124733	20.0	18.3	
77 2-Nitropropane	41	8.994	8.991	0.003	94	23812	20.0	18.1	
78 2-Chloroethyl vinyl ether	63	9.078	9.074	0.004	93	50404	20.0	16.3	
79 cis-1,3-Dichloropropene	75	9.264	9.261	0.003	95	137670	20.0	18.3	
80 4-Methyl-2-pentanone (MIBK)	43	9.451	9.454	-0.003	97	1927572	250.0	277.3	
$ 82 Toluene-d8 (Surr)	98	9.576	9.576	0.000	93	978191	50.0	50.1	
83 Toluene	92	9.653	9.653	0.000	98	260811	20.0	19.4	
95 trans-1,3-Dichloropropene	75	9.923	9.923	0.000	95	116694	20.0	19.4	
96 Ethyl methacrylate	69	9.991	9.987	0.004	90	109522	20.0	17.5	
118 1,1,2-Trichloroethane	97	10.132	10.129	0.003	91	89615	20.0	19.1	
119 Tetrachloroethene	166	10.206	10.206	0.000	98	121884	20.0	18.8	
120 1,3-Dichloropropane	76	10.293	10.293	0.000	92	140526	20.0	19.4	
122 2-Hexanone	43	10.354	10.354	0.000	96	1126025	250.0	301.9	
124 Chlorodibromomethane	129	10.508	10.508	0.000	90	89363	20.0	17.7	
125 Ethylene Dibromide	107	10.618	10.618	0.000	98	85264	20.0	19.3	
* 126 Chlorobenzene-d5 (IS)	117	11.052	11.052	0.000	85	736587	50.0	50.0	
127 1-Chlorohexane	91	11.065	11.064	0.001	97	123484	20.0	18.5	
128 Chlorobenzene	112	11.077	11.077	0.000	95	282914	20.0	19.0	
132 1,1,1,2-Tetrachloroethane	131	11.161	11.161	0.000	94	110146	20.0	19.8	
133 Ethylbenzene	91	11.164	11.164	0.000	98	510628	20.0	19.9	
135 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	408985	40.0	39.9	
137 o-Xylene	106	11.611	11.611	0.000	96	211134	20.0	19.6	
138 Styrene	104	11.627	11.627	0.000	95	309580	20.0	19.7	
139 Bromoform	173	11.785	11.781	0.004	99	65196	20.0	17.6	
140 Isopropylbenzene	105	11.913	11.913	0.000	95	560332	20.0	20.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 143 4-Bromofluorobenzene (Surr)	95	12.055	12.055	0.000	94	352519	50.0	50.4	
146 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	96	161450	20.0	19.0	
147 Bromobenzene	156	12.171	12.171	0.000	92	131921	20.0	18.4	
148 trans-1,4-Dichloro-2-butene	53	12.187	12.190	-0.003	94	178949	100.0	90.0	
149 1,2,3-Trichloropropane	110	12.209	12.209	0.000	85	50808	20.0	18.6	
150 N-Propylbenzene	91	12.241	12.241	0.000	98	649181	20.0	20.1	
151 2-Chlorotoluene	126	12.315	12.315	0.000	97	134149	20.0	18.9	
152 1,3,5-Trimethylbenzene	105	12.376	12.376	0.000	94	477182	20.0	19.9	
153 4-Chlorotoluene	126	12.409	12.408	0.001	97	128072	20.0	19.1	
155 tert-Butylbenzene	134	12.618	12.621	-0.003	93	96056	20.0	18.0	
157 1,2,4-Trimethylbenzene	105	12.659	12.662	-0.003	97	490203	20.0	19.7	
158 sec-Butylbenzene	105	12.782	12.781	0.001	94	602519	20.0	19.8	
159 1,3-Dichlorobenzene	146	12.878	12.881	-0.003	99	279311	20.0	19.2	
160 4-Isopropyltoluene	119	12.891	12.891	0.000	97	535415	20.0	19.7	
* 161 1,4-Dichlorobenzene-d4	152	12.936	12.936	0.000	93	472326	50.0	50.0	
162 1,4-Dichlorobenzene	146	12.952	12.955	-0.003	96	279339	20.0	19.0	
163 1,2,3-Trimethylbenzene	105	12.965	12.965	0.000	98	509499	20.0	19.6	
165 Benzyl chloride	91	13.032	13.032	0.000	98	284540	20.0	20.0	
166 1,3-Diethylbenzene	119	13.090	13.090	0.000	96	317519	20.0	20.2	
167 p-Diethylbenzene	119	13.161	13.164	-0.003	94	341652	20.0	19.7	
168 n-Butylbenzene	92	13.184	13.183	0.001	97	270979	20.0	20.0	
169 1,2-Dichlorobenzene	146	13.212	13.212	0.000	99	293769	20.0	19.0	
170 o-diethylbenzene	119	13.235	13.235	0.000	95	263569	20.0	19.7	
172 1,2-Dibromo-3-Chloropropane	75	13.756	13.756	0.000	87	36938	20.0	17.7	
173 1,3,5-Trichlorobenzene	180	13.878	13.878	0.000	98	255307	20.0	18.6	
174 1,2,4-Trichlorobenzene	180	14.302	14.302	0.000	94	255932	20.0	19.0	
176 Hexachlorobutadiene	225	14.383	14.383	0.000	95	108731	20.0	18.4	
177 Naphthalene	128	14.483	14.482	0.000	96	744635	20.0	19.2	
178 1,2,3-Trichlorobenzene	180	14.624	14.624	0.000	94	248439	20.0	18.5	
179 2-Methylnaphthalene	142	15.235	15.235	0.000	97	424934	20.0	19.4	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_Gases_00272	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00249	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00252	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00244	Amount Added: 50.00	Units: uL	
MSV_LCS_EE_00012	Amount Added: 50.00	Units: uL	
MSV_HP23_ISSS_00017	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 16-Oct-2025 13:08:32 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X05.D

Injection Date: 16-Oct-2025 09:51:55 Instrument ID: 9915 Operator ID: clm27445

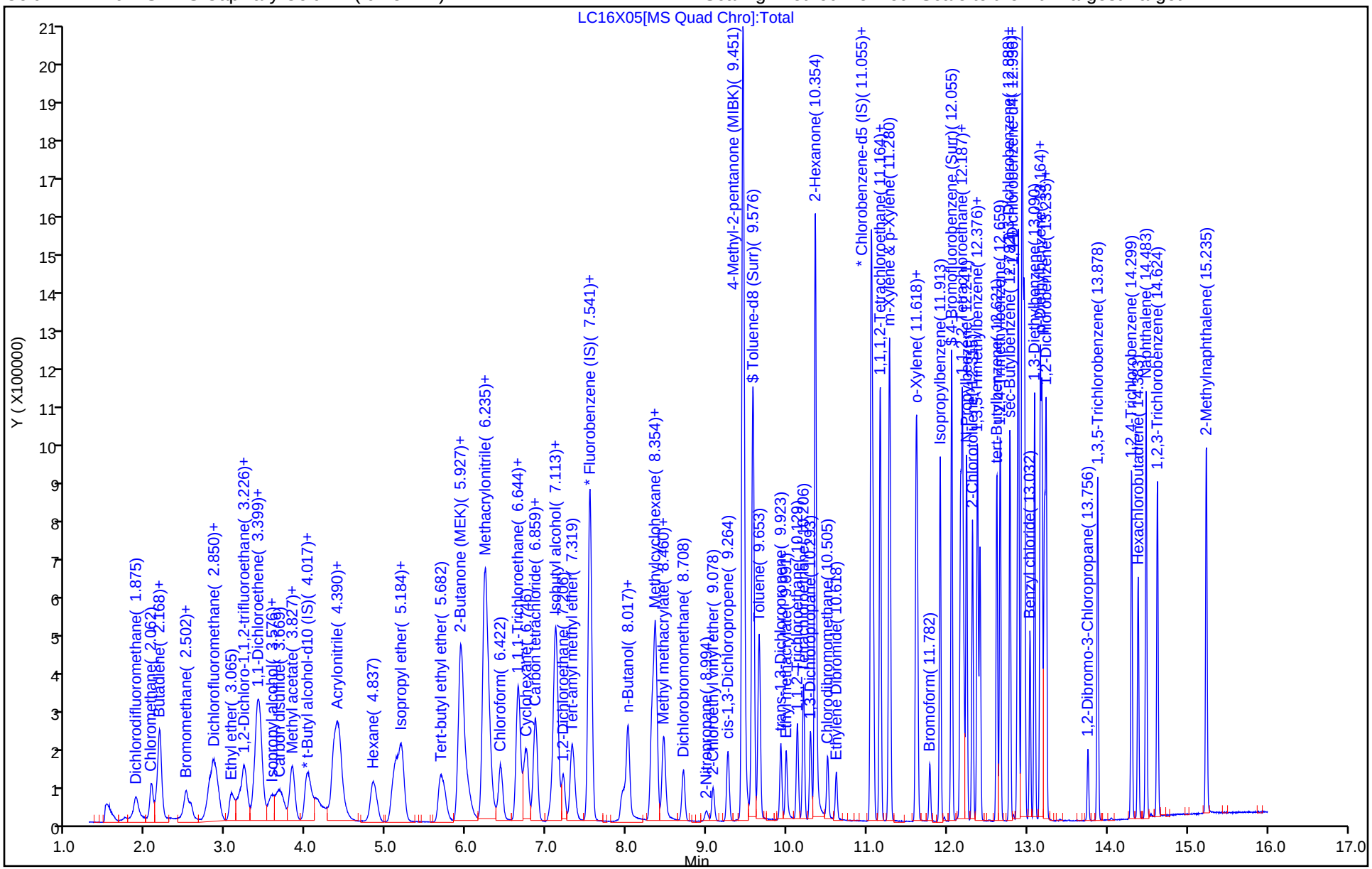
Lims ID: LCSD Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: MSVoa_9915a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\LC16X05.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 16-Oct-2025 09:51:55 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0163364-006
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20251016-163364.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Oct-2025 13:07:45 Calib Date: 13-Oct-2025 19:59:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20251013-162959.b\LC13X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 16-Oct-2025 13:04:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	48.9	97.78
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	50.2	100.48
$ 82 Toluene-d8 (Surr)	50.0	50.1	100.19
$ 143 4-Bromofluorobenzene (Surr)	50.0	50.4	100.82

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 7159 Start Date: 09/22/2025 14:37

Analysis Batch Number: 702728 End Date: 09/22/2025 22:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-702728/1		09/22/2025 14:37	1	NS22T01.D	R-624SilMS 30m 0.25(mm)
IC 410-702728/3		09/22/2025 15:13	1	NS22X03.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		09/22/2025 15:13	1		R-624SilMS 30m 0.25(mm)
IC 410-702728/4		09/22/2025 15:33	1	NS22X04.D	R-624SilMS 30m 0.25(mm)
IC 410-702728/5		09/22/2025 15:53	1	NS22X05.D	R-624SilMS 30m 0.25(mm)
IC 410-702728/6		09/22/2025 16:12	1	NS22X06.D	R-624SilMS 30m 0.25(mm)
IC 410-702728/7		09/22/2025 16:32	1	NS22X07.D	R-624SilMS 30m 0.25(mm)
IC 410-702728/8		09/22/2025 16:52	1	NS22X08.D	R-624SilMS 30m 0.25(mm)
ICV 410-702728/10		09/22/2025 17:32	1		R-624SilMS 30m 0.25(mm)
IC 410-702728/14		09/22/2025 18:51	1	NS22X14.D	R-624SilMS 30m 0.25(mm)
IC 410-702728/15		09/22/2025 19:10	1	NS22X15.D	R-624SilMS 30m 0.25(mm)
ICIS 410-702728/16		09/22/2025 19:30	1	NS22X16.D	R-624SilMS 30m 0.25(mm)
IC 410-702728/17		09/22/2025 19:50	1	NS22X17.D	R-624SilMS 30m 0.25(mm)
IC 410-702728/18		09/22/2025 20:10	1	NS22X18.D	R-624SilMS 30m 0.25(mm)
ICV 410-702728/20		09/22/2025 20:50	1	NS22X20.D	R-624SilMS 30m 0.25(mm)
IC 410-702728/12		09/22/2025 22:39	1	NS22X22.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		09/22/2025 22:39	1		R-624SilMS 30m 0.25(mm)
IC 410-702728/13		09/22/2025 22:59	1	NS22X23.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 7159 Start Date: 10/13/2025 10:15

Analysis Batch Number: 712932 End Date: 10/13/2025 19:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-712932/1		10/13/2025 10:15	1	NC13T04.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-712932/3		10/13/2025 10:52	1	NC13X02.D	R-624SilMS 30m 0.25(mm)
LCS 410-712932/4		10/13/2025 11:12	1	NC13X03.D	R-624SilMS 30m 0.25(mm)
LCSD 410-712932/5		10/13/2025 11:32	1	NC13X04.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/13/2025 11:52	1		R-624SilMS 30m 0.25(mm)
MB 410-712932/7		10/13/2025 12:11	1	NC13X06.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/13/2025 12:31	1		R-624SilMS 30m 0.25(mm)
410-245374-13	HD-QC3-0/1-2	10/13/2025 12:51	1	NC13X08.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/13/2025 13:11	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/13/2025 13:31	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/13/2025 13:50	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/13/2025 14:10	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/13/2025 14:30	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/13/2025 14:49	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/13/2025 15:09	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/13/2025 15:29	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/13/2025 15:48	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/13/2025 16:08	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/13/2025 16:28	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/13/2025 16:48	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/13/2025 17:08	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/13/2025 17:27	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/13/2025 17:47	1		R-624SilMS 30m 0.25(mm)
410-245374-1	HD-MW-143S-0/1-0	10/13/2025 18:07	1	NC13X24.D	R-624SilMS 30m 0.25(mm)
410-245374-2	HD-MW-143D-0/1-0	10/13/2025 18:26	1	NC13X25.D	R-624SilMS 30m 0.25(mm)
410-245374-3	HD-GM-1D-0/1-0	10/13/2025 18:46	1	NC13X26.D	R-624SilMS 30m 0.25(mm)
410-245374-9	HD-MW-18D-0/1-0	10/13/2025 19:06	1	NC13X27.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/13/2025 19:26	250		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 9915 Start Date: 10/13/2025 13:26

Analysis Batch Number: 713065 End Date: 10/13/2025 20:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-713065/1		10/13/2025 13:26	1	LC13T01.D	R-624SilMS 30m 0.25(mm)
IC 410-713065/3		10/13/2025 14:23	1	LC13X02.D	R-624SilMS 30m 0.25(mm)
IC 410-713065/4		10/13/2025 14:46	1	LC13X03.D	R-624SilMS 30m 0.25(mm)
IC 410-713065/5		10/13/2025 15:08	1	LC13X04.D	R-624SilMS 30m 0.25(mm)
IC 410-713065/6		10/13/2025 15:30	1	LC13X05.D	R-624SilMS 30m 0.25(mm)
CCV 410-713065/1006		10/13/2025 15:30	1		R-624SilMS 30m 0.25(mm)
IC 410-713065/7		10/13/2025 15:53	1	LC13X06.D	R-624SilMS 30m 0.25(mm)
IC 410-713065/8		10/13/2025 16:15	1	LC13X07.D	R-624SilMS 30m 0.25(mm)
ICV 410-713065/10		10/13/2025 17:00	1		R-624SilMS 30m 0.25(mm)
IC 410-713065/12		10/13/2025 17:45	1	LC13X11.D	R-624SilMS 30m 0.25(mm)
IC 410-713065/13		10/13/2025 18:07	1	LC13X12.D	R-624SilMS 30m 0.25(mm)
IC 410-713065/14		10/13/2025 18:29	1	LC13X13.D	R-624SilMS 30m 0.25(mm)
IC 410-713065/15		10/13/2025 18:52	1	LC13X14.D	R-624SilMS 30m 0.25(mm)
ICIS 410-713065/16		10/13/2025 19:14	1	LC13X15.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-713065/1016		10/13/2025 19:14	1		R-624SilMS 30m 0.25(mm)
IC 410-713065/17		10/13/2025 19:37	1	LC13X16.D	R-624SilMS 30m 0.25(mm)
IC 410-713065/18		10/13/2025 19:59	1	LC13X17.D	R-624SilMS 30m 0.25(mm)
ICV 410-713065/20		10/13/2025 20:44	1	LC13X19.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 9915 Start Date: 10/14/2025 09:12

Analysis Batch Number: 713456 End Date: 10/14/2025 21:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-713456/1		10/14/2025 09:12	1	LC14T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-713456/3		10/14/2025 09:59	1	LC14X02.D	R-624SilMS 30m 0.25(mm)
LCS 410-713456/4		10/14/2025 10:21	1	LC14X03.D	R-624SilMS 30m 0.25(mm)
LCSD 410-713456/5		10/14/2025 10:44	1	LC14X04.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/14/2025 11:06	1		R-624SilMS 30m 0.25(mm)
MB 410-713456/7		10/14/2025 11:28	1	LC14X06.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/14/2025 13:32	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/14/2025 13:55	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/14/2025 14:17	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/14/2025 14:39	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/14/2025 15:01	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/14/2025 15:24	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/14/2025 15:46	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/14/2025 16:08	10		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/14/2025 16:31	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/14/2025 16:53	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/14/2025 17:15	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/14/2025 17:38	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/14/2025 18:00	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/14/2025 18:23	10		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/14/2025 18:45	10		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/14/2025 19:07	10		R-624SilMS 30m 0.25(mm)
410-245374-4	HD-MW-43D-0/1-0	10/14/2025 19:30	1	LC14X23.D	R-624SilMS 30m 0.25(mm)
410-245374-5	HD-MW-142D-0/1-0	10/14/2025 19:52	1	LC14X24.D	R-624SilMS 30m 0.25(mm)
410-245374-6	HD-MW-150-0/1-0	10/14/2025 20:14	1	LC14X25.D	R-624SilMS 30m 0.25(mm)
410-245374-7	HD-COLE-D-0/1-0	10/14/2025 20:36	1	LC14X26.D	R-624SilMS 30m 0.25(mm)
410-245374-8	HD-MW-110-0/1-0	10/14/2025 20:59	1	LC14X27.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/14/2025 21:21	1		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 7159 Start Date: 10/15/2025 11:09

Analysis Batch Number: 714112 End Date: 10/15/2025 21:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-714112/1		10/15/2025 11:09	1	NC15T11.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-714112/4		10/15/2025 12:15	1	NC15X12.D	R-624SilMS 30m 0.25(mm)
LCS 410-714112/5		10/15/2025 12:35	1	NC15X13.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/15/2025 12:55	1		R-624SilMS 30m 0.25(mm)
MB 410-714112/7		10/15/2025 13:15	1	NC15X15.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/15/2025 14:50	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/15/2025 15:10	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/15/2025 15:30	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/15/2025 15:50	20		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/15/2025 16:10	20		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/15/2025 16:30	20		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/15/2025 16:49	20		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/15/2025 17:09	20		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/15/2025 17:28	20		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/15/2025 17:48	20		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/15/2025 18:08	10		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/15/2025 18:28	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/15/2025 18:48	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/15/2025 19:07	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/15/2025 19:27	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/15/2025 19:47	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/15/2025 20:06	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/15/2025 20:26	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/15/2025 20:46	1		R-624SilMS 30m 0.25(mm)
410-245374-10	HD-MW-69-0/1-0	10/15/2025 21:05	1	NC15X35.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: 9915 Start Date: 10/16/2025 07:39

Analysis Batch Number: 714809 End Date: 10/16/2025 19:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-714809/1		10/16/2025 07:39	1	LC16T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-714809/3		10/16/2025 08:44	1	LC16X02.D	R-624SilMS 30m 0.25(mm)
CCV 410-714809/4		10/16/2025 09:07	1		R-624SilMS 30m 0.25(mm)
LCS 410-714809/5		10/16/2025 09:29	1	LC16X04.D	R-624SilMS 30m 0.25(mm)
LCSD 410-714809/6		10/16/2025 09:51	1	LC16X05.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/16/2025 10:14	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/16/2025 10:36	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/16/2025 10:59	1		R-624SilMS 30m 0.25(mm)
MB 410-714809/10		10/16/2025 11:21	1	LC16X09.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/16/2025 15:05	50		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/16/2025 15:27	50		R-624SilMS 30m 0.25(mm)
410-245374-11	HD-MW-2-0/1-0	10/16/2025 16:12	1	LC16X17.D	R-624SilMS 30m 0.25(mm)
410-245374-12	HD-MW-111-0/1-0	10/16/2025 16:34	1	LC16X18.D	R-624SilMS 30m 0.25(mm)
410-245374-14	HD-COLE STEEL MW-12 0/1-0	10/16/2025 16:57	1	LC16X19.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/16/2025 18:04	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/16/2025 19:34	1		R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-245374-1

SDG No.:

Batch Number: 702728 | Batch Start Date: 09/22/25 14:37 | Batch Analyst: Keller, Kelly E

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_4ppbEtoh 00802	MSV_CCV_2CEVE 00247	MSV_CCV_CYC 00012
BFB 410-702728/1		8260D			1 uL	1 uL				
IC 410-702728/3		8260D			5 mL	5 mL	2810			
IC 410-702728/4		8260D			5 mL	5 mL	2810			
IC 410-702728/5		8260D			5 mL	5 mL	2810			
IC 410-702728/6		8260D			5 mL	5 mL	2810			
IC 410-702728/7		8260D			5 mL	5 mL	2810			
IC 410-702728/8		8260D			5 mL	5 mL	2810			
IC 410-702728/12		8260D			5 mL	5 mL	2810	12.5 mL		
IC 410-702728/13		8260D			5 mL	5 mL	2810		4 uL	32 uL
IC 410-702728/14		8260D			5 mL	5 mL	2810		2 uL	8 uL
IC 410-702728/15		8260D			5 mL	5 mL	2810		4 uL	16 uL
ICIS 410-702728/16		8260D			5 mL	5 mL	2810		5 uL	10 uL
IC 410-702728/17		8260D			5 mL	5 mL	2810		5 uL	10 uL
IC 410-702728/18		8260D			5 mL	5 mL	2810		15 uL	30 uL
ICV 410-702728/20		8260D			5 mL	5 mL	2810			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_EE 00009	MSV_CCV_ETOH 00011	MSV_CCV_GASES 01121	MSV_CCV_LKB 00014	MSV_CCV_OH_Sp 00026	MSV_CCV_Penta 00072
BFB 410-702728/1		8260D								
IC 410-702728/3		8260D			4 uL			4 uL		4 uL
IC 410-702728/4		8260D			2 uL			2 uL		2 uL
IC 410-702728/5		8260D			4 uL			4 uL		4 uL
IC 410-702728/6		8260D			5 uL			5 uL		5 uL
IC 410-702728/7		8260D			5 uL			5 uL		5 uL
IC 410-702728/8		8260D			15 uL			15 uL		15 uL
IC 410-702728/12		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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-245374-1

SDG No.:

Batch Number: 702728 | Batch Start Date: 09/22/25 14:37 | Batch Analyst: Keller, Kelly E

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_EE 00009	MSV_CCV_ETOH 00011	MSV_CCV_GASES 01121	MSV_CCV_LKB 00014	MSV_CCV_OH_Sp 00026	MSV_CCV_Penta 00072
IC 410-702728/13		8260D				20 uL	2 uL		4 uL	
IC 410-702728/14		8260D				8 uL	1 uL		2 uL	
IC 410-702728/15		8260D				16 uL	2 uL		4 uL	
ICIS 410-702728/16		8260D				10 uL	2.5 uL		5 uL	
IC 410-702728/17		8260D				10 uL	2.5 uL		5 uL	
IC 410-702728/18		8260D				30 uL	7.5 uL		15 uL	
ICV 410-702728/20		8260D								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00054	MSV_CCV_VOC#1 00254	MSV_CCV_VOC#3 00256	MSV_Cent_ISO 00012	MSV_Cent_ISSS 00044	MSV_LCS_2CEVE 00249
BFB 410-702728/1		8260D								
IC 410-702728/3		8260D			4 uL			5 uL		
IC 410-702728/4		8260D			2 uL			5 uL		
IC 410-702728/5		8260D			4 uL			5 uL		
IC 410-702728/6		8260D			5 uL			5 uL		
IC 410-702728/7		8260D			5 uL			5 uL		
IC 410-702728/8		8260D			15 uL			5 uL		
IC 410-702728/12		8260D							5 uL	
IC 410-702728/13		8260D				4 uL	3.2 uL		5 uL	
IC 410-702728/14		8260D				2 uL	1.6 uL		5 uL	
IC 410-702728/15		8260D				4 uL	3.2 uL		5 uL	
ICIS 410-702728/16		8260D				5 uL	4 uL		5 uL	
IC 410-702728/17		8260D				5 uL	4 uL		5 uL	
IC 410-702728/18		8260D				15 uL	12 uL		5 uL	

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-245374-1

SDG No.:

Batch Number: 702728 Batch Start Date: 09/22/25 14:37 Batch Analyst: Keller, Kelly E

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00054	MSV_CCV_VOC#1 00254	MSV_CCV_VOC#3 00256	MSV_Cent_ISO 00012	MSV_Cent_ISSS 00044	MSV_LCS_2CEVE 00249
ICV 410-702728/20		8260D							5 uL	50 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00246	MSV_LCS_CYC 00012	MSV_LCS_ETOH 00012	MSV_LCS_OH_Sp 00032	MSV_LCS_VOC#1 00239	MSV_QC_2K_GAS 00316
BFB 410-702728/1		8260D								
IC 410-702728/3		8260D								
IC 410-702728/4		8260D								
IC 410-702728/5		8260D								
IC 410-702728/6		8260D								
IC 410-702728/7		8260D								
IC 410-702728/8		8260D								
IC 410-702728/12		8260D								
IC 410-702728/13		8260D								
IC 410-702728/14		8260D								
IC 410-702728/15		8260D								
ICIS 410-702728/16		8260D								
IC 410-702728/17		8260D								
IC 410-702728/18		8260D								
ICV 410-702728/20		8260D			50 uL	50 uL	50 uL	50 uL	50 uL	1 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00019	MSV_V_SMFreon 00052				
BFB 410-702728/1		8260D			1 uL					
IC 410-702728/3		8260D				2 uL				
IC 410-702728/4		8260D				1 uL				
IC 410-702728/5		8260D				2 uL				

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-245374-1

SDG No.:

Batch Number: 702728 | Batch Start Date: 09/22/25 14:37 | Batch Analyst: Keller, Kelly E

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00019	MSV_V_SMFreon 00052				
IC 410-702728/6		8260D				2.5 uL				
IC 410-702728/7		8260D				2.5 uL				
IC 410-702728/8		8260D				7.5 uL				
IC 410-702728/12		8260D								
IC 410-702728/13		8260D								
IC 410-702728/14		8260D								
IC 410-702728/15		8260D								
ICIS 410-702728/16		8260D								
IC 410-702728/17		8260D								
IC 410-702728/18		8260D								
ICV 410-702728/20		8260D								

Batch Notes	

Basis	Basis Description

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-245374-1

SDG No.:

Batch Number: 712932 | Batch Start Date: 10/13/25 10:15 | Batch Analyst: Kephart, Kayla

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 410-712932/1		8260D			1 uL	1 uL				
CCVIS 410-712932/3		8260D			5 mL	5 mL				2810
LCS 410-712932/4		8260D			5 mL	5 mL				2810
LCSD 410-712932/5		8260D			5 mL	5 mL				2810
MB 410-712932/7		8260D			5 mL	5 mL				2810
410-245374-A-13	HD-QC3-0/1-2	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-245374-A-1	HD-MW-143S-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-245374-A-2	HD-MW-143D-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-245374-A-3	HD-GM-1D-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-245374-A-9	HD-MW-18D-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00250	MSV_CCV_GASES 01144	MSV_CCV_VOC#1 00257	MSV_CCV_VOC#3 00259	MSV_Cent_ISSS 00045	MSV_LCS_2CEVE 00252
BFB 410-712932/1		8260D								
CCVIS 410-712932/3		8260D			5 uL	2.5 uL	5 uL	4 uL	5 uL	
LCS 410-712932/4		8260D							5 uL	50 uL
LCSD 410-712932/5		8260D							5 uL	50 uL
MB 410-712932/7		8260D							5 uL	
410-245374-A-13	HD-QC3-0/1-2	8260D	Water	T					5 uL	
410-245374-A-1	HD-MW-143S-0/1-0	8260D	Water	T					5 uL	
410-245374-A-2	HD-MW-143D-0/1-0	8260D	Water	T					5 uL	
410-245374-A-3	HD-GM-1D-0/1-0	8260D	Water	T					5 uL	
410-245374-A-9	HD-MW-18D-0/1-0	8260D	Water	T					5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00249	MSV_LCS_Gases 00272	MSV_LCS_VOC#1 00244	MSV_V_BFB 00019		

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-245374-1

SDG No.:

Batch Number: 712932 | Batch Start Date: 10/13/25 10:15 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00249	MSV_LCS_Gases 00272	MSV_LCS_VOC#1 00244	MSV_V_BFB 00019		
BFB 410-712932/1		8260D						1 uL		
CCVIS 410-712932/3		8260D								
LCS 410-712932/4		8260D			50 uL	50 uL	50 uL			
LCSD 410-712932/5		8260D			50 uL	50 uL	50 uL			
MB 410-712932/7		8260D								
410-245374-A-13	HD-QC3-0/1-2	8260D	Water	T						
410-245374-A-1	HD-MW-143S-0/1-0	8260D	Water	T						
410-245374-A-2	HD-MW-143D-0/1-0	8260D	Water	T						
410-245374-A-3	HD-GM-1D-0/1-0	8260D	Water	T						
410-245374-A-9	HD-MW-18D-0/1-0	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-245374-1

SDG No.:

Batch Number: 713065 | Batch Start Date: 10/13/25 13:26 | Batch Analyst: Sposito, Kevin A

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_4ppbEE 00646	MSV_CCV_2CEVE 00250	MSV_CCV_CYC 00012
BFB 410-713065/1		8260D			1 uL	1 uL				
IC 410-713065/3		8260D			5 mL	5 mL	2810			
IC 410-713065/4		8260D			5 mL	5 mL	2810			
IC 410-713065/5		8260D			5 mL	5 mL	2810			
IC 410-713065/6		8260D			5 mL	5 mL	2810			
IC 410-713065/7		8260D			5 mL	5 mL	2810			
IC 410-713065/8		8260D			5 mL	5 mL	2810			
IC 410-713065/12		8260D			5 mL	5 mL	2810	12.5 mL		
IC 410-713065/13		8260D			5 mL	5 mL	2810		4 uL	32 uL
IC 410-713065/14		8260D			5 mL	5 mL	2810		2 uL	8 uL
IC 410-713065/15		8260D			5 mL	5 mL	2810		4 uL	16 uL
ICIS 410-713065/16		8260D			5 mL	5 mL	2810		5 uL	10 uL
IC 410-713065/17		8260D			5 mL	5 mL	2810		5 uL	10 uL
IC 410-713065/18		8260D			5 mL	5 mL	2810		15 uL	30 uL
ICV 410-713065/20		8260D			5 mL	5 mL	2810			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_EE 00009	MSV_CCV_ETOH 00011	MSV_CCV_GASES 01144	MSV_CCV_LKB 00014	MSV_CCV_OH_Sp 00027	MSV_CCV_Penta 00073
BFB 410-713065/1		8260D								
IC 410-713065/3		8260D				10 uL		2 uL		2 uL
IC 410-713065/4		8260D				8 uL		2 uL		2 uL
IC 410-713065/5		8260D				16 uL		4 uL		4 uL
IC 410-713065/6		8260D				10 uL		5 uL		5 uL
IC 410-713065/7		8260D				10 uL		5 uL		5 uL
IC 410-713065/8		8260D				30 uL		15 uL		15 uL
IC 410-713065/12		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.

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-245374-1

SDG No.:

Batch Number: 713065 Batch Start Date: 10/13/25 13:26 Batch Analyst: Sposito, Kevin A

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_EE 00009	MSV_CCV_ETOH 00011	MSV_CCV_GASES 01144	MSV_CCV_LKB 00014	MSV_CCV_OH_Sp 00027	MSV_CCV_Penta 00073
IC 410-713065/13		8260D			4 uL		2 uL		4 uL	
IC 410-713065/14		8260D			2 uL		1 uL		2 uL	
IC 410-713065/15		8260D			4 uL		2 uL		4 uL	
ICIS 410-713065/16		8260D			5 uL		2.5 uL		5 uL	
IC 410-713065/17		8260D			5 uL		2.5 uL		5 uL	
IC 410-713065/18		8260D			15 uL		7.5 uL		15 uL	
ICV 410-713065/20		8260D								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00055	MSV_CCV_VOC#1 00257	MSV_CCV_VOC#3 00259	MSV_HP23_ISO 00010	MSV_HP23_ISSS 00017	MSV_LCS_2CEVE 00252
BFB 410-713065/1		8260D								
IC 410-713065/3		8260D			2 uL			1 uL		
IC 410-713065/4		8260D			2 uL			1 uL		
IC 410-713065/5		8260D			4 uL			1 uL		
IC 410-713065/6		8260D			5 uL			1 uL		
IC 410-713065/7		8260D			5 uL			1 uL		
IC 410-713065/8		8260D			15 uL			1 uL		
IC 410-713065/12		8260D							1 uL	
IC 410-713065/13		8260D				4 uL	3.2 uL		1 uL	
IC 410-713065/14		8260D				2 uL	1.6 uL		1 uL	
IC 410-713065/15		8260D				4 uL	3.2 uL		1 uL	
ICIS 410-713065/16		8260D				5 uL	4 uL		1 uL	
IC 410-713065/17		8260D				5 uL	4 uL		1 uL	
IC 410-713065/18		8260D				15 uL	12 uL		1 uL	

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-245374-1

SDG No.:

Batch Number: 713065 | Batch Start Date: 10/13/25 13:26 | Batch Analyst: Sposito, Kevin A

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00055	MSV_CCV_VOC#1 00257	MSV_CCV_VOC#3 00259	MSV_HP23_ISO 00010	MSV_HP23_ISSS 00017	MSV_LCS_2CEVE 00252
ICV 410-713065/20		8260D							1 uL	50 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00249	MSV_LCS_CYC 00012	MSV_LCS_EE 00011	MSV_LCS_Gases 00272	MSV_LCS_VOC#1 00244	MSV_Q_Acr_Std 00012
BFB 410-713065/1		8260D								
IC 410-713065/3		8260D								
IC 410-713065/4		8260D								
IC 410-713065/5		8260D								
IC 410-713065/6		8260D								
IC 410-713065/7		8260D								
IC 410-713065/8		8260D								
IC 410-713065/12		8260D								
IC 410-713065/13		8260D								
IC 410-713065/14		8260D								
IC 410-713065/15		8260D								
ICIS 410-713065/16		8260D								
IC 410-713065/17		8260D								
IC 410-713065/18		8260D								
ICV 410-713065/20		8260D			50 uL	50 uL	50 uL	50 uL	50 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00019	MSV_V_SMFreon 00073				
BFB 410-713065/1		8260D			1 uL					
IC 410-713065/3		8260D				1 uL				
IC 410-713065/4		8260D				1 uL				
IC 410-713065/5		8260D				2 uL				

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-245374-1

SDG No.:

Batch Number: 713065 Batch Start Date: 10/13/25 13:26 Batch Analyst: Sposito, Kevin A

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00019	MSV_V_SMFreon 00073				
IC 410-713065/6		8260D				2.5 uL				
IC 410-713065/7		8260D				2.5 uL				
IC 410-713065/8		8260D				7.5 uL				
IC 410-713065/12		8260D								
IC 410-713065/13		8260D								
IC 410-713065/14		8260D								
IC 410-713065/15		8260D								
ICIS 410-713065/16		8260D								
IC 410-713065/17		8260D								
IC 410-713065/18		8260D								
ICV 410-713065/20		8260D								

Batch Notes	

Basis	Basis Description

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-245374-1

SDG No.:

Batch Number: 713456 | Batch Start Date: 10/14/25 09:12 | 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 410-713456/1		8260D			1 uL	1 uL				
CCVIS 410-713456/3		8260D			5 mL	5 mL				2810
LCS 410-713456/4		8260D			5 mL	5 mL				2810
LCSD 410-713456/5		8260D			5 mL	5 mL				2810
MB 410-713456/7		8260D			5 mL	5 mL				2810
410-245374-A-4	HD-MW-43D-0/1-0	8260D	Water	T	5 mL	5 mL	N SU	N	N	
410-245374-A-5	HD-MW-142D-0/1-0	8260D	Water	T	5 mL	5 mL	N SU	N	N	
410-245374-A-6	HD-MW-150-0/1-0	8260D	Water	T	5 mL	5 mL	N SU	N	N	
410-245374-A-7	HD-COLE-D-0/1-0	8260D	Water	T	5 mL	5 mL	N SU	N	N	
410-245374-A-8	HD-MW-110-0/1-0	8260D	Water	T	5 mL	5 mL	N SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00250	MSV_CCV_GASES 01122	MSV_CCV_VOC#1 00257	MSV_CCV_VOC#3 00259	MSV_HP23_ISSS 00017	MSV_LCS_2CEVE 00252
BFB 410-713456/1		8260D								
CCVIS 410-713456/3		8260D			5 uL	2.5 uL	5 uL	4 uL	1 uL	
LCS 410-713456/4		8260D							1 uL	50 uL
LCSD 410-713456/5		8260D							1 uL	50 uL
MB 410-713456/7		8260D							1 uL	
410-245374-A-4	HD-MW-43D-0/1-0	8260D	Water	T					1 uL	
410-245374-A-5	HD-MW-142D-0/1-0	8260D	Water	T					1 uL	
410-245374-A-6	HD-MW-150-0/1-0	8260D	Water	T					1 uL	
410-245374-A-7	HD-COLE-D-0/1-0	8260D	Water	T					1 uL	
410-245374-A-8	HD-MW-110-0/1-0	8260D	Water	T					1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00249	MSV_LCS_Gases 00272	MSV_LCS_VOC#1 00244	MSV_V_BFB 00019		

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-245374-1

SDG No.:

Batch Number: 713456 | Batch Start Date: 10/14/25 09:12 | Batch Analyst: Mellinger, Corie M

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00249	MSV_LCS_Gases 00272	MSV_LCS_VOC#1 00244	MSV_V_BFB 00019		
BFB 410-713456/1		8260D						1 uL		
CCVIS 410-713456/3		8260D								
LCS 410-713456/4		8260D			50 uL	50 uL	50 uL			
LCSD 410-713456/5		8260D			50 uL	50 uL	50 uL			
MB 410-713456/7		8260D								
410-245374-A-4	HD-MW-43D-0/1-0	8260D	Water	T						
410-245374-A-5	HD-MW-142D-0/1-0	8260D	Water	T						
410-245374-A-6	HD-MW-150-0/1-0	8260D	Water	T						
410-245374-A-7	HD-COLE-D-0/1-0	8260D	Water	T						
410-245374-A-8	HD-MW-110-0/1-0	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-245374-1

SDG No.:

Batch Number: 714112 | Batch Start Date: 10/15/25 11:09 | 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 410-714112/1		8260D			1 uL	1 uL				
CCVIS 410-714112/4		8260D			5 mL	5 mL				2810
LCS 410-714112/5		8260D			5 mL	5 mL				2810
MB 410-714112/7		8260D			5 mL	5 mL				2810
410-245374-B-10	HD-MW-69-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_4ppbEtoh 00808	MSV_CCV_2CEVE 00250	MSV_CCV_GASES 01120	MSV_CCV_VOC#1 00257	MSV_CCV_VOC#3 00259	MSV_Cent_ISSS 00045
BFB 410-714112/1		8260D								
CCVIS 410-714112/4		8260D				5 uL	2.5 uL	5 uL	4 uL	5 uL
LCS 410-714112/5		8260D								5 uL
MB 410-714112/7		8260D			12.5 mL					5 uL
410-245374-B-10	HD-MW-69-0/1-0	8260D	Water	T						5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_2CEVE 00252	MSV_LCS_ACROL 00249	MSV_LCS_Gases 00272	MSV_LCS_VOC#1 00244	MSV_V_BFB 00019	
BFB 410-714112/1		8260D							1 uL	
CCVIS 410-714112/4		8260D								
LCS 410-714112/5		8260D			50 uL	50 uL	50 uL	50 uL		
MB 410-714112/7		8260D								
410-245374-B-10	HD-MW-69-0/1-0	8260D	Water	T						

Batch Notes	

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-245374-1

SDG No.:

Batch Number: 714112 | Batch Start Date: 10/15/25 11:09 | Batch Analyst: Mellinger, Corie M

Batch Method: 8260D | Batch End Date:

Basis	Basis Description
T	Total/NA

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-245374-1

SDG No.:

Batch Number: 714809 | Batch Start Date: 10/16/25 07:39 | 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 410-714809/1		8260D			1 uL	1 uL				
CCVIS 410-714809/3		8260D			5 mL	5 mL				2810
LCS 410-714809/5		8260D			5 mL	5 mL				2810
LCSD 410-714809/6		8260D			5 mL	5 mL				2810
MB 410-714809/10		8260D			5 mL	5 mL				2810
410-245374-B-11	HD-MW-2-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-245374-A-12	HD-MW-111-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-245374-A-14	HD-COLE STEEL MW-12 0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00250	MSV_CCV_EE 00009	MSV_CCV_GASES 01120	MSV_CCV_VOC#1 00257	MSV_CCV_VOC#3 00259	MSV_HP23_ISSS 00017
BFB 410-714809/1		8260D								
CCVIS 410-714809/3		8260D			5 uL	5 uL	2.5 uL	5 uL	4 uL	1 uL
LCS 410-714809/5		8260D								1 uL
LCSD 410-714809/6		8260D								1 uL
MB 410-714809/10		8260D								1 uL
410-245374-B-11	HD-MW-2-0/1-0	8260D	Water	T						1 uL
410-245374-A-12	HD-MW-111-0/1-0	8260D	Water	T						1 uL
410-245374-A-14	HD-COLE STEEL MW-12 0/1-0	8260D	Water	T						1 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_2CEVE 00252	MSV_LCS_ACROL 00249	MSV_LCS_EE 00012	MSV_LCS_Gases 00272	MSV_LCS_VOC#1 00244	MSV_V_BFB 00019
BFB 410-714809/1		8260D								1 uL
CCVIS 410-714809/3		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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-245374-1

SDG No.:

Batch Number: 714809 | Batch Start Date: 10/16/25 07:39 | Batch Analyst: Mellinger, Corie M

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_2CEVE 00252	MSV_LCS_ACROL 00249	MSV_LCS_EE 00012	MSV_LCS_Gases 00272	MSV_LCS_VOC#1 00244	MSV_V_BFB 00019
LCS 410-714809/5		8260D			50 uL	50 uL	50 uL	50 uL	50 uL	
LCSD 410-714809/6		8260D			50 uL	50 uL	50 uL	50 uL	50 uL	
MB 410-714809/10		8260D								
410-245374-B-11	HD-MW-2-0/1-0	8260D	Water	T						
410-245374-A-12	HD-MW-111-0/1-0	8260D	Water	T						
410-245374-A-14	HD-COLE STEEL MW-12 0/1-0	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

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.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-245374-1

SDG No.:

Project: 2025 Comprehensive Sampling

Client Sample ID	Lab Sample ID
HD-MW-2-0/1-0	410-245374-11

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job Number: 410-245374-1

SDG No.:

Project: 2025 Comprehensive Sampling

Client Sample ID	Lab Sample ID
HD-MW-2-0/1-0	410-245374-11

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: HD-MW-2-0/1-0 Lab Sample ID: 410-245374-11

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG ID.:

Matrix: Water Date Sampled: 10/03/2025 11:20

Reporting Basis: WET Date Received: 10/03/2025 16:45

Preparation Batch Number: 714110 Instrument ID: S0027

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.31	0.010	0.0080	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: HD-MW-2-0/1-0 Lab Sample ID: 410-245374-11

Lab Name: Eurofins Pittsburgh Job No.: 410-245374-1

SDG ID.:

Matrix: Water Date Sampled: 10/03/2025 11:20

Reporting Basis: WET Date Received: 10/03/2025 16:45

Preparation Batch Number: Instrument ID: ALPKEM3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Cyanide, Available	0.052	0.0020	0.0016	mg/L		cn	1	OIA - 1677

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Analyst: P684 Batch Start Date: 10/15/2025

Reporting Units: mg/L Analytical Batch No.: 714526

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
10	ICV	15:06	Cyanide, Total	0.204	0.200	102	90-110		WC_FL_CCVCN_00919
11	ICB	15:07	Cyanide, Total	ND					
34	CCV	15:25	Cyanide, Total	0.207	0.200	104	90-110		WC_FL_CCVCN_00919
35	CCB	15:28	Cyanide, Total	ND					
46	CCV	15:37	Cyanide, Total	0.210	0.200	105	90-110		WC_FL_CCVCN_00919
47	CCB	15:37	Cyanide, Total	ND					
58	CCV	15:46	Cyanide, Total	0.205	0.200	103	90-110		WC_FL_CCVCN_00919
59	CCB	15:46	Cyanide, Total	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 410-245374-1

SDG No.:

Analyst: RAO Batch Start Date: 10/14/2025

Reporting Units: mg/L Analytical Batch No.: 504550

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
27	ICV	14:04	Cyanide, Available	0.0496	0.0500	99	90-110		WAvCN 50 ICV_00995
28	ICB	14:06	Cyanide, Available	ND					
41	CCV	14:29	Cyanide, Available	0.0522	0.0500	104	86-118		WAvCN0.05 Std_01081
42	CCB	14:30	Cyanide, Available	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 714526	Date: 10/15/2025 15:29	Prep Batch: 714110	Date: 10/15/2025 08:05				
9012B	MB 410-714110/2-A	Cyanide, Total	ND		mg/L	0.010	1

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 410-245374-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 504550	Date: 10/14/2025 14:09						
OIA - 1677	MB 180-504550/30	Cyanide, Available	ND		mg/L	0.0020	1

FORM III-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 714526	Date: 10/15/2025 15:28		Prep Batch: 714110		Date: 10/15/2025 08:05						
					LCS Source: WC-PR20mg/lQC_01493						
9012B	LCS 410-714110/1-A	Cyanide, Total	0.189		mg/L	0.200	95	85-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 410-245374-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 504550	Date: 10/14/2025 14:10										
						LCS Source: WAvCN 50LCS_00907					
OIA - 1677	LCS 180-504550/31	Cyanide, Available	0.0479		mg/L	0.0501	96	82-132			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job Number: 410-245374-1

SDG Number:

Matrix: Water
Instrument ID: S0027

Method: 9012B
MDL Date: 08/13/2025 00:00

Prep Method: 9012B

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Cyanide, Total		0.01	0.008

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-245374-1

SDG Number:

Matrix: Water Instrument ID: S0027

Method: 9012B XMDL Date: 08/13/2025 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.008

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job Number: 410-245374-1

SDG Number:

Matrix: Water Instrument ID: ALPKEM3

Method: OIA - 1677 MDL Date: 01/21/2022 13:18

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Cyanide, Available		0.002	0.00156

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job Number: 410-245374-1

SDG Number:

Matrix: Water Instrument ID: ALPKEM3

Method: OIA - 1677 XMDL Date: 01/21/2022 13:19

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Available		0.002	0.00156

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Prep Method: 9012B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LCS 410-714110/1-A	10/15/2025 08:05	714110		50	50
MB 410-714110/2-A	10/15/2025 08:05	714110		50	50
410-245374-11	10/15/2025 08:05	714110		50	50

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: S0027 Analysis Method: 9012B

Start Date: 10/15/2025 14:58 End Date: 10/15/2025 15:54

Lab Sample Id	D/F	Type	Time	Analytes																										
				CN																										
IC 410-714526/1			14:58	X																										
IC 410-714526/2			14:59	X																										
IC 410-714526/3			14:59	X																										
IC 410-714526/4			15:00	X																										
IC 410-714526/5			15:02	X																										
IC 410-714526/6			15:02	X																										
IC 410-714526/7			15:03	X																										
ZZZZZZ			15:03																											
ZZZZZZ			15:04																											
ICV 410-714526/10	1		15:06	X																										
ICB 410-714526/11	1		15:07	X																										
ZZZZZZ (QC)			15:07																											
ZZZZZZ (QC)			15:08																											
ZZZZZZ (Client)			15:08																											
ZZZZZZ (QC)			15:11																											
ZZZZZZ (QC)			15:11																											
ZZZZZZ (Client)			15:11																											
ZZZZZZ (QC)			15:12																											
ZZZZZZ (QC)			15:12																											
ZZZZZZ (Client)			15:15																											
ZZZZZZ (QC)			15:15																											
CCV 410-714526/22			15:16																											
CCB 410-714526/23			15:16																											
ZZZZZZ (QC)			15:17																											
ZZZZZZ (Client)			15:19																											
ZZZZZZ (Client)			15:20																											
ZZZZZZ (Client)			15:20																											
ZZZZZZ (Client)			15:20																											
ZZZZZZ (Client)			15:21																											
ZZZZZZ (Client)			15:23																											
ZZZZZZ (Client)			15:24																											
ZZZZZZ (Client)			15:24																											
ZZZZZZ (Client)			15:25																											
CCV 410-714526/34	1		15:25	X																										
CCB 410-714526/35	1		15:28	X																										
LCS 410-714110/1-A	1	T	15:28	X																										
MB 410-714110/2-A	1	T	15:29	X																										
ZZZZZZ (Client)			15:29																											
ZZZZZZ (QC)			15:29																											
ZZZZZZ (QC)			15:32																											
ZZZZZZ (Client)			15:32																											

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-245374-1

SDG No.:

Instrument ID: S0027 Analysis Method: 9012B

Start Date: 10/15/2025 14:58 End Date: 10/15/2025 15:54

Lab Sample Id	D/F	Type	Time	Analytes																										
				CN																										
ZZZZZZ (Client)			15:33																											
ZZZZZZ (Client)			15:33																											
ZZZZZZ (Client)			15:34																											
ZZZZZZ (Client)			15:36																											
CCV 410-714526/46	1		15:37	X																										
CCB 410-714526/47	1		15:37	X																										
ZZZZZZ (Client)			15:37																											
ZZZZZZ (Client)			15:38																											
410-245374-11	1	T	15:40	X																										
ZZZZZZ (Client)			15:41																											
ZZZZZZ (Client)			15:41																											
ZZZZZZ (QC)			15:42																											
ZZZZZZ (QC)			15:42																											
ZZZZZZ (Client)			15:45																											
ZZZZZZ (Client)			15:45																											
ZZZZZZ (Client)			15:46																											
CCV 410-714526/58	1		15:46	X																										
CCB 410-714526/59	1		15:46	X																										
ZZZZZZ (Client)			15:49																											
ZZZZZZ (Client)			15:49																											
ZZZZZZ (Client)			15:50																											
ZZZZZZ (Client)			15:50																											
ZZZZZZ (Client)			15:51																											
ZZZZZZ (Client)			15:53																											
CCV 410-714526/66			15:54																											
CCB 410-714526/67			15:54																											

Prep Types:
T = Total/NA

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 410-245374-1

SDG No.:

Instrument ID: ALPKEM3 Analysis Method: OIA - 1677

Start Date: 10/14/2025 13:25 End Date: 10/14/2025 16:42

Lab Sample Id	D/F	Type	Time	Analytes
				CN-a
ZZZZZZ			13:25	
ZZZZZZ			13:27	
ZZZZZZ			13:28	
ZZZZZZ			13:30	
ZZZZZZ			13:31	
ZZZZZZ			13:33	
ZZZZZZ			13:34	
ZZZZZZ			13:36	
ZZZZZZ			13:37	
ZZZZZZ			13:39	
ZZZZZZ			13:40	
ZZZZZZ			13:42	
ZZZZZZ			13:43	
ZZZZZZ			13:45	
ZZZZZZ			13:46	
ZZZZZZ			13:48	
ZZZZZZ			13:49	
ZZZZZZ			13:51	
ZZZZZZ			13:52	
ZZZZZZ			13:54	
ZZZZZZ			13:55	
ZZZZZZ			13:57	
ZZZZZZ			13:58	
ZZZZZZ			14:00	
ZZZZZZ			14:01	
ZZZZZZ			14:03	
ICV 180-504550/27	1		14:04	X
ICB 180-504550/28	1		14:06	X
ZZZZZZ			14:07	
MB 180-504550/30	1	T	14:09	X
LCS 180-504550/31	1	T	14:10	X
ZZZZZZ (Client)			14:15	
ZZZZZZ (QC)			14:17	
ZZZZZZ (QC)			14:18	
410-245374-11	1	T	14:20	X
ZZZZZZ (Client)			14:21	
ZZZZZZ (Client)			14:23	
ZZZZZZ (Client)			14:24	
ZZZZZZ (Client)			14:26	
ZZZZZZ			14:27	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 410-245374-1

SDG No.:

Instrument ID: ALPKEM3 Analysis Method: OIA - 1677

Start Date: 10/14/2025 13:25 End Date: 10/14/2025 16:42

Lab Sample Id	D/F	Type	Time	Analytes
				CN-a
CCV 180-504550/41	1		14:29	X
CCB 180-504550/42	1		14:30	X
ZZZZZZ			14:32	
ZZZZZZ (Client)			14:33	
ZZZZZZ (Client)			14:35	
ZZZZZZ (Client)			14:36	
ZZZZZZ (Client)			14:38	
ZZZZZZ (QC)			14:39	
ZZZZZZ (QC)			14:41	
ZZZZZZ (Client)			14:42	
ZZZZZZ (QC)			14:44	
ZZZZZZ (QC)			14:45	
ZZZZZZ (Client)			14:47	
ZZZZZZ			14:49	
CCV 180-504550/55			14:50	
CCB 180-504550/56			14:52	
ZZZZZZ			14:53	
ZZZZZZ (Client)			14:58	
ZZZZZZ (Client)			15:00	
ZZZZZZ (Client)			15:01	
ZZZZZZ (Client)			15:03	
ZZZZZZ (Client)			15:04	
ZZZZZZ (Client)			15:06	
ZZZZZZ (Client)			15:07	
ZZZZZZ (Client)			15:09	
ZZZZZZ (QC)			15:10	
ZZZZZZ (QC)			15:12	
ZZZZZZ			15:13	
CCV 180-504550/69			15:15	
CCB 180-504550/70			15:16	
ZZZZZZ			15:18	
ZZZZZZ (Client)			15:19	
ZZZZZZ (QC)			15:21	
ZZZZZZ (QC)			15:22	
ZZZZZZ (Client)			15:24	
ZZZZZZ (Client)			15:25	
ZZZZZZ (Client)			15:27	
ZZZZZZ (Client)			15:28	
ZZZZZZ (Client)			15:30	
ZZZZZZ (Client)			15:31	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 410-245374-1

SDG No.:

Instrument ID: ALPKEM3 Analysis Method: OIA - 1677

Start Date: 10/14/2025 13:25 End Date: 10/14/2025 16:42

Lab Sample Id	D/F	Type	Time	Analytes
				CN-a
ZZZZZZ (Client)			15:33	
ZZZZZZ			15:34	
CCV 180-504550/83			15:36	
CCB 180-504550/84			15:37	
ZZZZZZ			15:39	
ZZZZZZ (Client)			15:40	
ZZZZZZ (Client)			15:42	
ZZZZZZ (QC)			15:47	
ZZZZZZ (QC)			15:48	
ZZZZZZ (Client)			15:50	
ZZZZZZ (QC)			15:51	
ZZZZZZ (QC)			15:53	
ZZZZZZ (Client)			15:54	
ZZZZZZ (Client)			15:56	
ZZZZZZ (Client)			15:57	
ZZZZZZ (Client)			15:59	
ZZZZZZ (Client)			16:00	
ZZZZZZ			16:02	
CCV 180-504550/99			16:03	
CCB 180-504550/100			16:05	
ZZZZZZ			16:06	
ZZZZZZ (Client)			16:08	
ZZZZZZ (Client)			16:09	
ZZZZZZ (Client)			16:11	
ZZZZZZ (Client)			16:12	
ZZZZZZ (QC)			16:14	
ZZZZZZ (QC)			16:15	
ZZZZZZ (Client)			16:17	
ZZZZZZ (QC)			16:18	
ZZZZZZ (QC)			16:20	
ZZZZZZ (Client)			16:21	
ZZZZZZ			16:23	
CCV 180-504550/113			16:24	
CCB 180-504550/114			16:26	
ZZZZZZ			16:27	
ZZZZZZ (Client)			16:29	
ZZZZZZ (Client)			16:30	
ZZZZZZ (Client)			16:32	
ZZZZZZ (Client)			16:33	
ZZZZZZ (Client)			16:35	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 410-245374-1

SDG No.:

Instrument ID: ALPKEM3 Analysis Method: OIA - 1677

Start Date: 10/14/2025 13:25 End Date: 10/14/2025 16:42

Lab Sample Id	D/F	Type	Time	Analytes																								
				CN-a																								
ZZZZZZ (Client)			16:36																									
ZZZZZZ			16:38																									
CCV 180-504550/123			16:39																									
CCB 180-504550/124			16:41																									
ZZZZZZ			16:42																									

Prep Types:
T = Total/NA

FORM XIII-IN

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-245374-1

SDG No.:

Batch Number: 714110 | Batch Start Date: 10/15/25 08:05 | Batch Analyst: Schmertz, Thomas

Batch Method: 9012B | Batch End Date: 10/15/25 09:50

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	DigestBlockPos	WC-PR20mg/lQC 01493		
LCS 410-714110/1		9012B, 9012B			50 mL	50 mL	8	0.5 mL		
MB 410-714110/2		9012B, 9012B			50 mL	50 mL	9			
410-245374-E-11	HD-MW-2-0/1-0	9012B, 9012B	Water	T	50 mL	50 mL	1			

Batch Notes	
Pipette/Syringe/Dispenser ID	prep
Sodium Hydroxide ID	8337599
Magnesium Chloride Reagent ID Number	8588065
Sulfamic Acid ID	8588565
Sulfuric Acid Reagent ID Number	8566376
Distillation Start Time	10/15/2025 08:05
Distillation End Time	10/15/2025 09:50

Basis	Basis Description
T	Total/NA

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-245374-1

SDG No.:

Batch Number: 714526 Batch Start Date: 10/15/25 14:58 Batch Analyst: Cornelius, Ashlynn M

Batch Method: 9012B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	WC_FL_CCVCN 00919					
ICV 410-714526/10		9012B			# mL					
CCV 410-714526/34		9012B			# mL					
CCV 410-714526/46		9012B			# mL					
CCV 410-714526/58		9012B			# mL					

Batch Notes	
Pipette/Syringe/Dispenser ID	Flow
Sodium Hydroxide ID	WC_FL_.25NaOH_00049
Buffer Reagent ID	WC_FL_PhosBuf_00080
Chloramine-T ID	WC_FL_Chloram_00867
Pyridine-Barbituric Acid ID	WC_FL_PyrBarb_00150
Pipette Tip Lot ID	N217836P

Basis	Basis Description

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 410-245374-1

SDG No.:

Batch Number: 504550 Batch Start Date: 10/14/25 13:25 Batch Analyst: Oster, Rachel A

Batch Method: OIA - 1677 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	ChlorineCheck	pHChecked	SulfideCheck	WAvCN 50 ICV 00995	WAvCN 50LCS 00907
ICV 180-504550/27		OIA - 1677			10 mL	-	>12	-	10 mL	
ICB 180-504550/28		OIA - 1677			10 mL	-	>12	-		
MB 180-504550/30		OIA - 1677			10 mL	-	>12	-		
LCS 180-504550/31		OIA - 1677			10 mL	-	>12	-		10 mL
410-245374-D-11	HD-MW-2-0/1-0	OIA - 1677	Water	T	10 mL	-	>12	-		
CCV 180-504550/41		OIA - 1677			10 mL	-	>12	-		
CCB 180-504550/42		OIA - 1677			10 mL	-	>12	-		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	WAvCN0.05 Std 01081					
ICV 180-504550/27		OIA - 1677								
ICB 180-504550/28		OIA - 1677								
MB 180-504550/30		OIA - 1677								
LCS 180-504550/31		OIA - 1677								
410-245374-D-11	HD-MW-2-0/1-0	OIA - 1677	Water	T						
CCV 180-504550/41		OIA - 1677			10 mL					
CCB 180-504550/42		OIA - 1677								

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 410-245374-1

SDG No.:

Batch Number: 504550 Batch Start Date: 10/14/25 13:25 Batch Analyst: Oster, Rachel A

Batch Method: OIA - 1677 Batch End Date:

Batch Notes	
Sodium Hydroxide ID	6510787
Ascorbic Acid ID	.
NaAsO2 ID	5337508
Bismuth Nitrate ID	6547454
WAD AR Solution ID	6510623
WAD Carrier Solution ID	6510787
Cadmiun Chloride ID	6536876=ligand=wad a+wad b
WAD A ID	6235687
WAD B ID	6235683
Pipette ID	C341919364, C219018546
Pipette Tip Lot ID	ph strip HC 566040
Filter ID	M05171BSF

Basis	Basis Description
T	Total/NA

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.

AQ700 Report

Software version :	2.5.01A33
Report Requested By :	Manager
Time and Date :	2025-10-15 15:57:22
Tray Number :	1
Tray Name :	25288CN

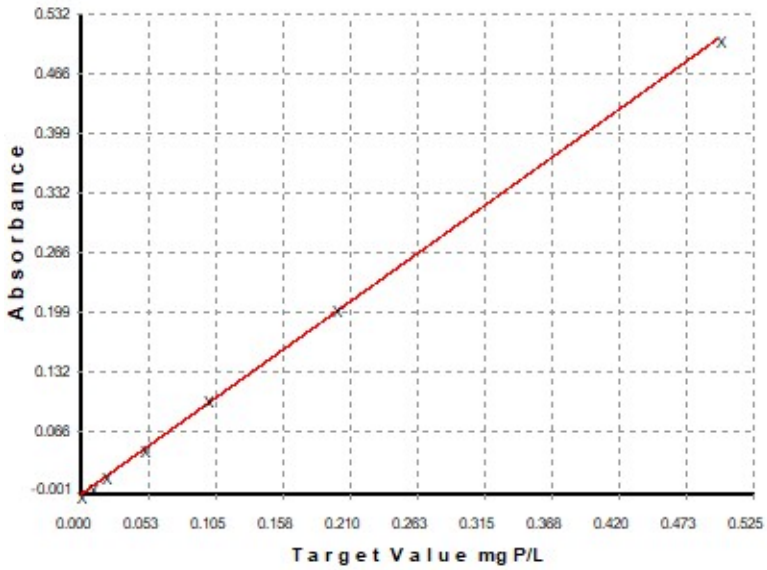
CN EPA130

Calibration Chart

Type	Absorbance	Calc mg/L	Target mg/L	% Error
S95	0.5069	0.498	0.500	-0.46
S94	0.2087	0.204	0.200	1.95
S93	0.1075	0.104	0.100	4.20
S92	0.0519	0.049	0.050	-1.08
S91	0.0216	0.020	0.020	-2.10
S90	0.0096	0.008	0.010	-22.31
S1	-0.0009	-0.003	0.000	
*89	0.4987	0.490	0.500	-2.08
S0	-0.0009	-0.003	0.000	

Polynomial order :	1
Correlation Coefficient :	0.9999
RSE (%) :	11.45
Carryover(%) :	0.0
Calibration equation:	y = bx + a
y =:	Concentration mg/L
x =:	Measured absorbance
a =:	-1.710238E-03
b =:	9.851803E-01
Date & Time :	2025-10-15 15:04:19

Calibration Graph



Reagents

Reagent name	Batch number	Operator	Expiry date
CN Buffer			
CN Chloramine-T			
CN Pyridine			

Cup	Type	ID	Result	Units	QC Pro	Raw data	Auto dil.	Man dil.	User	Time & Date
	S95	Standard 95	0.507			0.506941				2025-10-15 14:58:41
	S94	Standard 94	0.209			0.208696				2025-10-15 14:59:08
	S93	Standard 93	0.108			0.107505				2025-10-15 14:59:35
	S92	Standard 92	0.052			0.051942				2025-10-15 15:00:02
	S91	Standard 91	0.022			0.021611				2025-10-15 15:02:29
	S90	Standard 90	0.010			0.009622				2025-10-15 15:02:55
	S1	Standard 1	-0.001			-0.000927			WCM	2025-10-15 15:03:22

	S89		0.499		0.498686	WCM	2025-10-15 15:03:49
	S0	Standard 0	-0.001		-0.000851	WCM	2025-10-15 15:04:19
	ICV	ICV	0.204	mg/L	0.209270	WCM	2025-10-15 15:06:46
	ICB	ICB	-0.002	mg/L	-0.000676	WCM	2025-10-15 15:07:13
1	U1	LCS 410-7139831-A	0.001	mg/L	0.002798	WCM	2025-10-15 15:07:40
2	U2	MB 410-7139832-A	0.005	mg/L	0.006852	WCM	2025-10-15 15:08:07
3	U3	410-243785-A-1-I	0.018	mg/L	0.020399	WCM	2025-10-15 15:08:34
4	U4	410-243785-A-1-J MS	0.010	mg/L	0.011779	WCM	2025-10-15 15:11:01
5	U5	410-243785-A-1-K MSD	0.024	mg/L	0.026260	WCM	2025-10-15 15:11:28
6	U6	410-245814-A-1-J	0.010	mg/L	0.011389	WCM	2025-10-15 15:11:55
7	U7	LCS 410-7140441-A	0.195	mg/L	0.199539	WCM	2025-10-15 15:12:22
8	U8	MB 410-7140442-A	-0.003	mg/L	-0.001068	WCM	2025-10-15 15:12:49
9	U9	410-245199-E-4-A	-0.002	mg/L	-0.000664	WCM	2025-10-15 15:15:15
10	U10	410-245199-E-4-B MS	0.205	mg/L	0.210090	WCM	2025-10-15 15:15:42
	CCV	CCV	0.202	mg/L	0.207234	WCM	2025-10-15 15:16:09
	CCB	CCB	-0.003	mg/L	-0.001272	WCM	2025-10-15 15:16:39
11	U11	410-245199-E-4-C MSD	0.197	mg/L	0.202079	WCM	2025-10-15 15:17:06
12	U12	410-246035-A-2-A	-0.003	mg/L	-0.001097	WCM	2025-10-15 15:19:33
13	U13	410-246035-A-4-A	-0.002	mg/L	-0.000479	WCM	2025-10-15 15:20:00
14	U14	410-245199-E-1-A	-0.001	mg/L	0.000432	WCM	2025-10-15 15:20:27
15	U15	410-245199-E-2-A	-0.003	mg/L	-0.000989	WCM	2025-10-15 15:20:54
16	U16	410-245199-E-3-A	-0.002	mg/L	-0.000616	WCM	2025-10-15 15:21:21
17	U17	410-245199-E-5-A	-0.003	mg/L	-0.001183	WCM	2025-10-15 15:23:48
18	U18	410-245254-A-1-A	-0.001	mg/L	0.000747	WCM	2025-10-15 15:24:15
19	U19	410-245442-B-3-B	-0.001	mg/L	0.001156	WCM	2025-10-15 15:24:42
20	U20	410-245442-B-4-A	-0.001	mg/L	0.000778	WCM	2025-10-15 15:25:09
	CCV	CCV	0.207	mg/L	0.211385	WCM	2025-10-15 15:25:39
	CCB	CCB	-0.004	mg/L	-0.002069	WCM	2025-10-15 15:28:06
21	U21	LCS 410-7141101-A	0.189	mg/L	0.193190	WCM	2025-10-15 15:28:34
22	U22	MB 410-7141102-A	-0.004	mg/L	-0.002058	WCM	2025-10-15 15:29:01
23	U23	630-122138-G-1-A	0.017	mg/L	0.018601	WCM	2025-10-15 15:29:28
24	U24	630-122138-G-1-D MS	0.230	mg/L	0.235694	WCM	2025-10-15 15:29:54
25	U25	630-122138-G-1-E MSD	0.221	mg/L	0.225717	WCM	2025-10-15 15:32:21
26	U26	410-245228-O-1-A	-0.002	mg/L	-0.000550	WCM	2025-10-15 15:32:48
27	U27	485-389-A-1-A	-0.004	mg/L	-0.002373	WCM	2025-10-15 15:33:15
28	U28	485-389-A-2-A	-0.003	mg/L	-0.001685	WCM	2025-10-15 15:33:42
29	U29	630-122034-C-2-A	-0.000	mg/L	0.001704	WCM	2025-10-15 15:34:09
30	U30	410-245162-C-2-A	-0.001	mg/L	0.000283	WCM	2025-10-15 15:36:36
	CCV	CCV	0.210	mg/L	0.215178	WCM	2025-10-15 15:37:03
	CCB	CCB	-0.003	mg/L	-0.001034	WCM	2025-10-15 15:37:31
31	U31	410-245285-E-1-A	0.031	mg/L	0.033342	WCM	2025-10-15 15:37:59
32	U32	410-245285-E-2-A	-0.003	mg/L	-0.001403	WCM	2025-10-15 15:38:26
33	U33	410-245374-E-11-A	0.308	mg/L	0.314128	WCM	2025-10-15 15:40:52
34	U34	410-245425-C-1-A	-0.004	mg/L	-0.001937	WCM	2025-10-15 15:41:19
35	U35	410-245426-C-1-A	-0.003	mg/L	-0.001108	WCM	2025-10-15 15:41:46
36	U36	410-245426-C-1-D MS	0.205	mg/L	0.210235	WCM	2025-10-15 15:42:14
37	U37	410-245426-C-1-E MSD	0.195	mg/L	0.199674	WCM	2025-10-15 15:42:41
38	U38	410-245427-C-1-A	0.040	mg/L	0.041900	WCM	2025-10-15 15:45:08
39	U39	410-245428-C-1-A	-0.004	mg/L	-0.001853	WCM	2025-10-15 15:45:35
40	U40	410-245429-C-1-A	-0.002	mg/L	-0.000513	WCM	2025-10-15 15:46:02
	CCV	CCV	0.205	mg/L	0.210304	WCM	2025-10-15 15:46:28
	CCB	CCB	-0.003	mg/L	-0.001215	WCM	2025-10-15 15:46:55
41	U41	410-245430-C-1-A	-0.001	mg/L	0.000374	WCM	2025-10-15 15:49:23
42	U42	410-245442-B-2-A	-0.003	mg/L	-0.001506	WCM	2025-10-15 15:49:49
43	U43	410-245442-B-5-A	-0.003	mg/L	-0.001758	WCM	2025-10-15 15:50:15
44	U44	410-245924-O-1-A	-0.002	mg/L	-0.000594	WCM	2025-10-15 15:50:41
45	U45	410-246246-E-1-A	-0.003	mg/L	-0.000920	WCM	2025-10-15 15:51:08
46	U46	455-2857-A-2-A	-0.003	mg/L	-0.001087	WCM	2025-10-15 15:53:34
	CCV	CCV	0.205	mg/L	0.209697	WCM	2025-10-15 15:54:00
	CCB	CCB	-0.003	mg/L	-0.001235	WCM	2025-10-15 15:54:28

Cyanide, Available:Calibration 1: Peak 14-125

File name: C:\FLOW_4\3101425B.RST
Date: 14-Oct-25
Operator: RAO

*	Name	Conc	Height
*	Cal 0.000 ppb	0.000000	-809.382507
*	Cal 2.000 ppb	2.000000	2196.781250
*	Cal 5.000 ppb	5.000000	6161.623047
*	Cal 10.000 ppb	10.000000	12312.136719
*	Cal 25.000 ppb	25.000000	29312.292969
*	Cal 50.000 ppb	50.000000	56728.937500
*	Cal 100.000 ppb	100.000000	108968.039062

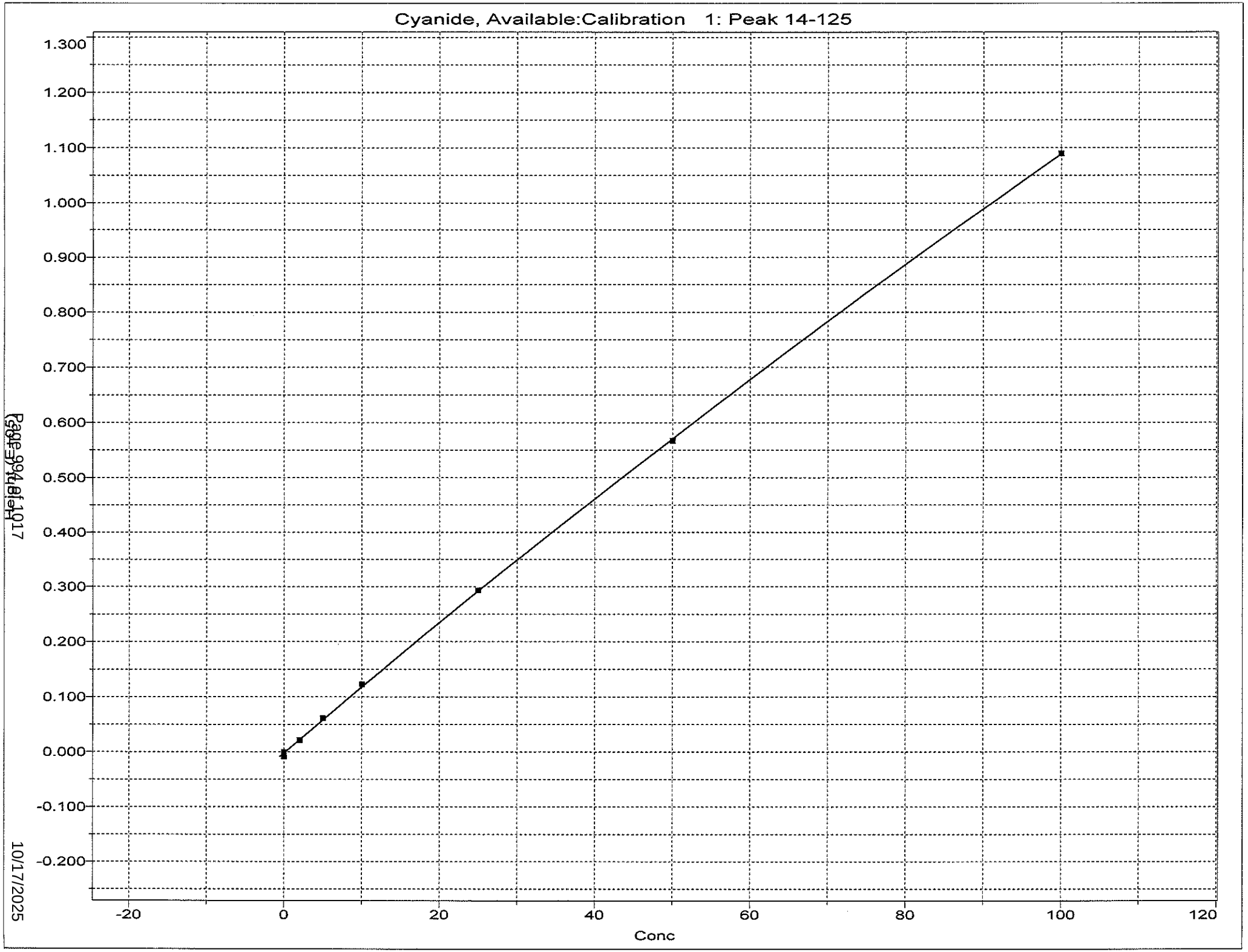
Calib Coef:
x=cyy+by+a
a: (intercept) 1.4868e-01
b: 8.2590e-04
c: 8.3598e-10

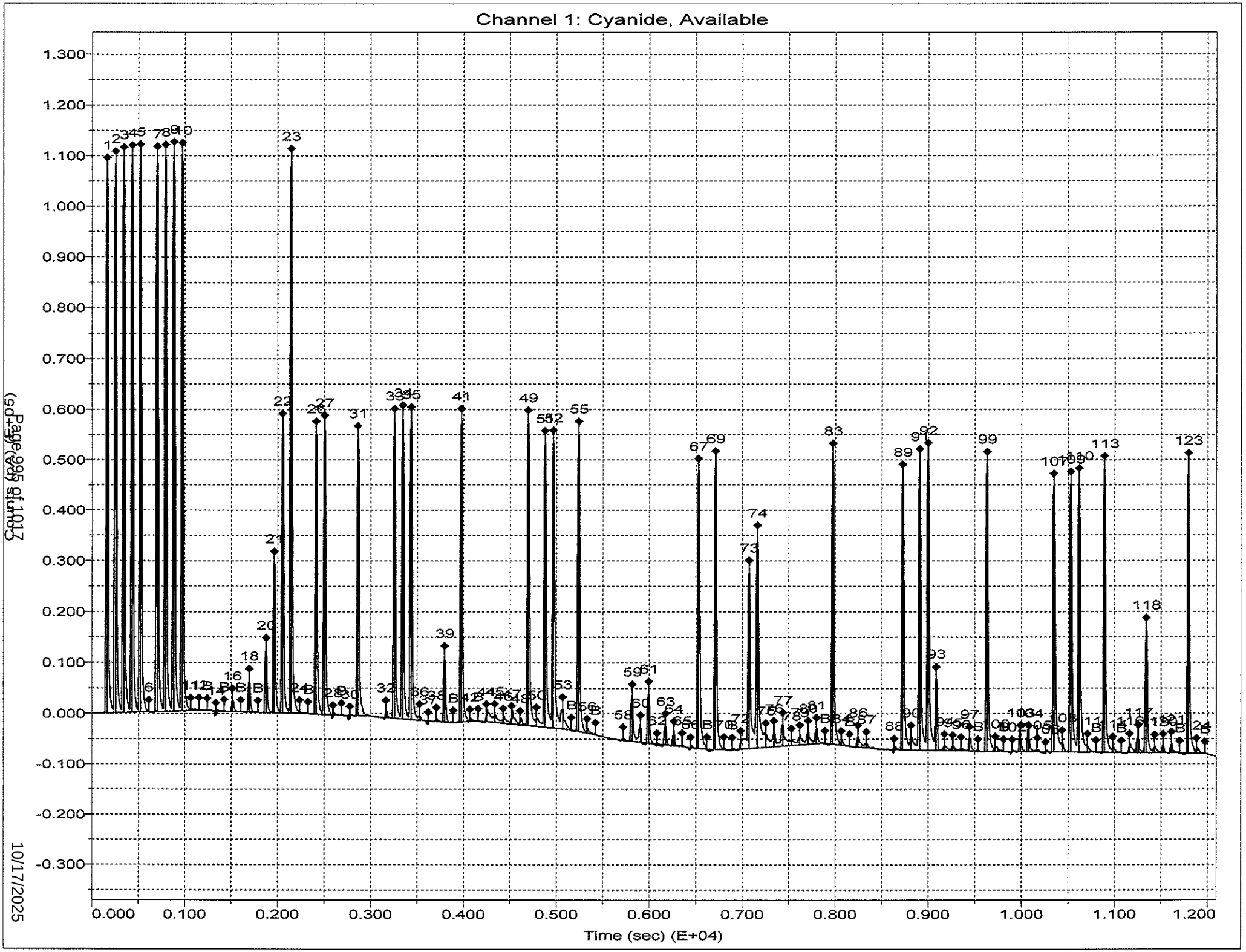
Corr Coef: 0.999960

Carryover: n/a

No Drift Peaks

504550
1677A
10/14/25
Rodd


Cyanide, Available:Calibration 1: Peak 14-125
1.300
1.200
1.100
1.000
0.900
0.800
0.700
0.600
0.500
0.400
0.300
0.200
0.100
0.000
-0.100
-0.200
-20
0
20
40
60
80
100
120
Conc
Page 994 of 1017
10/17/2025


Channel 1: Cyanide, Available
Counts (E+05)
Time (sec) (E+04)
1.300
1.200
1.100
1.000
0.900
0.800
0.700
0.600
0.500
0.400
0.300
0.200
0.100
0.000
-0.100
-0.200
-0.300
0.000
0.100
0.200
0.300
0.400
0.500
0.600
0.700
0.800
0.900
1.000
1.100
1.200

10/17/2025

Peak Table:Cyanide, Available

File name: C:\FLOW_4\3101425B.RST
Date: 14-Oct-25
Operator: RAO

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
1	7	System Conditioner	S 1	SYNC	1	1	107108	98.199890	
2	7	System Conditioner	S 2	SYNC	1	1	108374	99.473228	
3	7	System Conditioner	S 3	SYNC	1	1	109114	100.218658	
4	7	System Conditioner	S 4	SYNC	1	1	109449	100.556953	
5	7	System Conditioner	S 5	SYNC	1	1	109612	100.721024	
6	0	READ BASELINE	1	BLNK	1	1	-9	0.140986	
7	7	SYNK	1	SYNC	1	1	109103	100.208145	
8	7	SYNK	2	SYNC	1	1	109398	100.504974	
9	7	SYNK	3	SYNC	1	1	109923	101.035362	
10	7	SYNK	4	SYNC	1	1	109695	100.804901	
11	0	READ BASELINE	1	BLNK	1	1	183	0.299489	
12	0	READ BASELINE	2	BLNK	1	1	149	0.271537	
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL
14	1	Cal 0.000 ppb	1	C	1	1	-809	-0.519241	LO
B	0	read baseline	1	RB	1	1	0	0.148679	BL
16	2	Cal 2.000 ppb	1	C	1	1	2197	1.967031	
B	0	read baseline	1	RB	1	1	0	0.148679	BL
18	3	Cal 5.000 ppb	1	C	1	1	6162	5.269291	
B	0	read baseline	1	RB	1	1	0	0.148679	BL
20	4	Cal 10.000 ppb	1	C	1	1	12312	10.443976	
21	5	Cal 25.000 ppb	1	C	1	1	29312	25.075933	
22	6	Cal 50.000 ppb	1	C	1	1	56729	49.691345	
23	7	Cal 100.000 ppb	1	C	1	1	108968	100.071671	
24	0	READ BASELINE	1	BLNK	1	1	289	0.387346	
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL
26	8	Ni(II)CN 50ppb	1	U	1	1	55391	48.460823	
27	9	ICV	1	U	1	1	56660	49.627838	
28	10	ICB	1	U	1	1	-512	-0.274217	LO
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL
30	11	MB	1	U	1	1	-675	-0.408488	LO
31	12	LCS	1	U	1	1	54752	47.873955	
32	13	460-336714-i-2	1	U	1	1	1062	1.027078	
33	14	460-336714-d-2 ms	1	U	1	1	58747	51.553219	
34	15	460-336714-d-2 msd	1	U	1	1	59503	52.251984	
35	16	410-245374-d-11	1	U	1	1	59277	52.042439	
36	17	460-336714-d-3	1	U	1	1	784	0.796898	
37	18	460-336714-d-5	1	U	1	1	-698	-0.426991	LO
38	19	460-336716-d-1	1	U	1	1	332	0.422858	
39	20	460-336716-d-2	1	U	1	1	12549	10.644188	
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL
41	21	CCV	1	U	1	1	59449	52.202473	
42	22	CCB	1	U	1	1	-17	0.134979	
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL
44	23	460-336717-k-1	1	U	1	1	1068	1.031362	
45	24	460-336717-f-2	1	U	1	1	1271	1.199841	
46	25	460-336717-k-3	1	U	1	1	516	0.575190	
47	26	460-336717-k-4	1	U	1	1	1174	1.119342	
48	11	MB	1	U	1	1	392	0.472267	
49	12	LCS	1	U	1	1	59834	52.558823	
50	27	180-196930-d-1	1	U	1	1	1360	1.273283	
51	28	180-196930-d-1 ms	1	U	1	1	56092	49.105225	
52	29	180-196930-d-1 msd	1	U	1	1	56340	49.333466	
53	30	460-336717-k-5	1	U	1	1	3930	3.407767	
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL
55	21	CCV	1	U	1	1	58780	51.582966	
56	22	CCB	1	U	1	1	418	0.493797	
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL
58	31	460-336719-j-1	1	U	1	1	182	0.299100	
59	32	460-336719-j-2	1	U	1	1	8828	7.505129	
60	33	480-233373-a-1	1	U	1	1	2867	2.523575	
61	34	480-233373-a-3	1	U	1	1	9737	8.269522	
62	35	180-196930-d-2	1	U	1	1	-280	-0.082233	LO
63	36	180-196930-d-3	1	U	1	1	3717	3.229886	
64	37	180-196930-d-4	1	U	1	1	2411	2.144467	
65	38	180-196930-d-5	1	U	1	1	230	0.339025	
66	11	MB	1	U	1	1	-322	-0.117530	LO
67	12	LCS	1	U	1	1	54682	47.809921	
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
69	21	CCV	1	U	1	1	56442	49.427582	
70	22	CCB	1	U	1	1	104	0.234500	
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL
72	39	460-336855-j-2	1	U	2	1	1230	2.330774	
73	40	460-336855-d-2 ms	1	U	2	1	34560	59.380276	
74	41	460-336855-d-2 msd	1	U	2	1	41309	71.384354	
75	42	180-197008-a-1	1	U	1	1	2397	2.132882	
76	43	480-233373-a-2	1	U	1	1	2682	2.369439	
77	44	480-233373-a-4	1	U	1	1	4198	3.630327	
78	45	460-336821-d-1	1	U	1	1	936	0.922296	
79	46	460-336821-i-2	1	U	1	1	1528	1.412715	
80	47	460-336821-i-3	1	U	1	1	2227	1.992146	
81	48	460-336821-i-4	1	U	1	1	2714	2.396152	
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL
83	21	CCV	1	U	1	1	56925	49.871845	
84	22	CCB	1	U	1	1	393	0.473676	
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL
86	49	460-336821-i-6	1	U	1	1	1896	1.717737	
87	50	460-336714-d-1	1	U	1	1	751	0.769363	
88	11	MB	1	U	1	1	-181	-0.000541	LO
89	12	LCS	1	U	1	1	53836	47.035080	
90	51	180-197054-d-1	1	U	1	1	2490	2.210754	
91	52	180-197054-d-1MS	1	U	1	1	57040	49.977661	
92	53	180-197054-d-1MSD	1	U	1	1	58254	51.097622	
93	54	180-197054-d-2	1	U	1	1	14126	11.982273	
94	55	180-197054-d-3	1	U	1	1	894	0.887559	
95	56	180-197054-d-4	1	U	1	1	742	0.761551	
96	57	180-197054-d-5	1	U	1	1	358	0.444807	
97	58	190-38188-a-3	1	U	1	1	2420	2.151837	
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL
99	21	CCV	1	U	1	1	56696	49.660816	
100	22	CCB	1	U	1	1	551	0.603929	
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL
102	59	180-197002-d-1	1	U	1	1	-21	0.131485	
103	60	180-197002-d-2	1	U	1	1	2776	2.447660	
104	61	180-197002-d-3	1	U	1	1	2703	2.386863	
105	62	180-197002-d-4	1	U	1	1	344	0.433258	
106	11	MB	1	U	1	1	-402	-0.183126	LO
107	12	LCS	1	U	1	1	52396	45.717907	
108	63	180-197002-d-5	1	U	1	1	1868	1.694316	
109	64	180-197002-d-5MS	1	U	1	1	52831	46.115253	
110	65	180-197002-d-5MSD	1	U	1	1	53512	46.738091	
111	66	180-197002-d-6	1	U	1	1	1248	1.180414	
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL
113	21	CCV	1	U	1	1	56001	49.021618	
114	22	CCB	1	U	1	1	736	0.756767	
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL
116	67	460-336855-j-1	1	U	1	1	1355	1.269081	
117	68	460-336855-j-3	1	U	1	1	3048	2.673814	
118	69	180-197098-a-1	1	U	1	1	24101	20.539305	
119	70	180-197099-a-1	1	U	1	1	1104	1.061511	
120	71	180-197100-a-1	1	U	1	1	1305	1.227561	
121	72	180-197100-a-2	1	U	1	1	1736	1.584852	
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL
123	21	CCV	1	U	1	1	56788	49.745316	
124	22	CCB	1	U	1	1	591	0.636759	
B	0	READ BASELINE	1	RB	1	1	0	0.148679	BL

Run Results Report

Facility Name	
Facility Location	
Department	
Operator Name	RAO
Operator ID	RAO
Platform	FS 3000
Software Rev Code	220
Data system ID	57
Result path	C:\FLOW_4\3101425B.RST
Sample table path	C:\FLOW_4\avcn100.tbl
Method path	C:\FLOW_4\avcn100.mth
Date acquired	14-Oct-25
Time acquired	16:47

Date	Time	Cup	Name
14-Oct-25	13:25	7	System Conditioner S
14-Oct-25	13:27	7	System Conditioner S
14-Oct-25	13:28	7	System Conditioner S
14-Oct-25	13:30	7	System Conditioner S
14-Oct-25	13:31	7	System Conditioner S
			(Statistics)
14-Oct-25	13:33	0	READ BASELINE
14-Oct-25	13:34	7	SYNK
14-Oct-25	13:36	7	SYNK
14-Oct-25	13:37	7	SYNK
14-Oct-25	13:39	7	SYNK
			(Statistics)
14-Oct-25	13:40	0	READ BASELINE
14-Oct-25	13:42	0	READ BASELINE
			(Statistics)
14-Oct-25	13:43	0	READ BASELINE
14-Oct-25	13:45	1	Cal 0.000 ppb
14-Oct-25	13:46	0	read baseline
14-Oct-25	13:48	2	Cal 2.000 ppb
14-Oct-25	13:49	0	read baseline
14-Oct-25	13:51	3	Cal 5.000 ppb
14-Oct-25	13:52	0	read baseline
14-Oct-25	13:54	4	Cal 10.000 ppb
14-Oct-25	13:55	5	Cal 25.000 ppb
14-Oct-25	13:57	6	Cal 50.000 ppb
14-Oct-25	13:58	7	Cal 100.000 ppb

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Result path	C:\FLOW_4\3101425B.RST
Sample table path	C:\FLOW_4\avcn100.tbl
Method path	C:\FLOW_4\avcn100.mth
Date acquired	14-Oct-25
Time acquired	16:47

Date	Time	Cup	Name
14-Oct-25	14:00	0	READ BASELINE
14-Oct-25	14:01	0	READ BASELINE
14-Oct-25	14:03	8	Ni(II)CN 50ppb
14-Oct-25	14:04	9	ICV
14-Oct-25	14:06	10	ICB
14-Oct-25	14:07	0	READ BASELINE
14-Oct-25	14:09	11	MB
14-Oct-25	14:10	12	LCS
14-Oct-25	14:15	13	460-336714-i-2
14-Oct-25	14:17	14	460-336714-d-2 ms
14-Oct-25	14:18	15	460-336714-d-2 msd
14-Oct-25	14:20	16	410-245374-d-11
14-Oct-25	14:21	17	460-336714-d-3
14-Oct-25	14:23	18	460-336714-d-5
14-Oct-25	14:24	19	460-336716-d-1
14-Oct-25	14:26	20	460-336716-d-2
14-Oct-25	14:27	0	READ BASELINE
14-Oct-25	14:29	21	CCV
14-Oct-25	14:30	22	CCB
14-Oct-25	14:32	0	READ BASELINE
14-Oct-25	14:33	23	460-336717-k-1
14-Oct-25	14:35	24	460-336717-f-2
14-Oct-25	14:36	25	460-336717-k-3
14-Oct-25	14:38	26	460-336717-k-4
14-Oct-25	14:39	11	MB
14-Oct-25	14:41	12	LCS
14-Oct-25	14:42	27	180-196930-d-1
14-Oct-25	14:44	28	180-196930-d-1 ms
14-Oct-25	14:45	29	180-196930-d-1 msd
14-Oct-25	14:47	30	460-336717-k-5
14-Oct-25	14:49	0	READ BASELINE
14-Oct-25	14:50	21	CCV
14-Oct-25	14:52	22	CCB
14-Oct-25	14:53	0	READ BASELINE
14-Oct-25	14:58	31	460-336719-j-1
14-Oct-25	15:00	32	460-336719-j-2
14-Oct-25	15:01	33	480-233373-a-1

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Result path	C:\FLOW_4\3101425B.RST
Sample table path	C:\FLOW_4\avcn100.tbl
Method path	C:\FLOW_4\avcn100.mth
Date acquired	14-Oct-25
Time acquired	16:47

Date	Time	Cup	Name
14-Oct-25	15:03	34	480-233373-a-3
14-Oct-25	15:04	35	180-196930-d-2
14-Oct-25	15:06	36	180-196930-d-3
14-Oct-25	15:07	37	180-196930-d-4
14-Oct-25	15:09	38	180-196930-d-5
14-Oct-25	15:10	11	MB
14-Oct-25	15:12	12	LCS
14-Oct-25	15:13	0	READ BASELINE
14-Oct-25	15:15	21	CCV
14-Oct-25	15:16	22	CCB
14-Oct-25	15:18	0	READ BASELINE
14-Oct-25	15:19	39	460-336855-j-2
14-Oct-25	15:21	40	460-336855-d-2 ms
14-Oct-25	15:22	41	460-336855-d-2 msd
14-Oct-25	15:24	42	180-197008-a-1
14-Oct-25	15:25	43	480-233373-a-2
14-Oct-25	15:27	44	480-233373-a-4
14-Oct-25	15:28	45	460-336821-d-1
14-Oct-25	15:30	46	460-336821-i-2
14-Oct-25	15:31	47	460-336821-i-3
14-Oct-25	15:33	48	460-336821-i-4
14-Oct-25	15:34	0	READ BASELINE
14-Oct-25	15:36	21	CCV
14-Oct-25	15:37	22	CCB
14-Oct-25	15:39	0	READ BASELINE
14-Oct-25	15:40	49	460-336821-i-6
14-Oct-25	15:42	50	460-336714-d-1
14-Oct-25	15:47	11	MB
14-Oct-25	15:48	12	LCS
14-Oct-25	15:50	51	180-197054-d-1
14-Oct-25	15:51	52	180-197054-d-1MS
14-Oct-25	15:53	53	180-197054-d-1MSD
14-Oct-25	15:54	54	180-197054-d-2
14-Oct-25	15:56	55	180-197054-d-3
14-Oct-25	15:57	56	180-197054-d-4
14-Oct-25	15:59	57	180-197054-d-5
14-Oct-25	16:00	58	190-38188-a-3

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Result path	C:\FLOW_4\3101425B.RST
Sample table path	C:\FLOW_4\avcn100.tbl
Method path	C:\FLOW_4\avcn100.mth
Date acquired	14-Oct-25
Time acquired	16:47

Date	Time	Cup	Name
14-Oct-25	16:02	0	READ BASELINE
14-Oct-25	16:03	21	CCV
14-Oct-25	16:05	22	CCB
14-Oct-25	16:06	0	READ BASELINE
14-Oct-25	16:08	59	180-197002-d-1
14-Oct-25	16:09	60	180-197002-d-2
14-Oct-25	16:11	61	180-197002-d-3
14-Oct-25	16:12	62	180-197002-d-4
14-Oct-25	16:14	11	MB
14-Oct-25	16:15	12	LCS
14-Oct-25	16:17	63	180-197002-d-5
14-Oct-25	16:18	64	180-197002-d-5MS
14-Oct-25	16:20	65	180-197002-d-5MSD
14-Oct-25	16:21	66	180-197002-d-6
14-Oct-25	16:23	0	READ BASELINE
14-Oct-25	16:24	21	CCV
14-Oct-25	16:26	22	CCB
14-Oct-25	16:27	0	READ BASELINE
14-Oct-25	16:29	67	460-336855-j-1
14-Oct-25	16:30	68	460-336855-j-3
14-Oct-25	16:32	69	180-197098-a-1
14-Oct-25	16:33	70	180-197099-a-1
14-Oct-25	16:35	71	180-197100-a-1
14-Oct-25	16:36	72	180-197100-a-2
14-Oct-25	16:38	0	READ BASELINE
14-Oct-25	16:39	21	CCV
14-Oct-25	16:41	22	CCB
14-Oct-25	16:42	0	READ BASELINE

Run Results Report

Facility Name	
Facility Location	
Department	
Operator Name	RAO
Operator ID	RAO
Platform	FS 3000
Software Rev Code	220
Data system ID	57
Result path	C:\FLOW_4\3101425B.RST
Sample table path	C:\FLOW_4\avcn100.tbl
Method path	C:\FLOW_4\avcn100.mth
Date acquired	14-Oct-25
Time acquired	16:47

	Cyanide, Available					
Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
System Conditioner S	107108	98.200				
System Conditioner S	108374	99.473				
System Conditioner S	109114	100.219				
System Conditioner S	109449	100.557				
System Conditioner S	109612	100.721				
(Statistics)				108731	99.833	.942%
READ BASELINE	-9	0.141				
SYNK	109103	100.208				
SYNK	109398	100.505				
SYNK	109923	101.035				
SYNK	109695	100.805				
(Statistics)				109530	100.638	.326%
READ BASELINE	183	0.299				
READ BASELINE	149	0.272				
(Statistics)				166	0.286	NoRSD
READ BASELINE	0	0.149	BL			
Cal 0.000 ppb	-809	-0.519	LO			
read baseline	0	0.149	BL			
Cal 2.000 ppb	2197	1.967				
read baseline	0	0.149	BL			
Cal 5.000 ppb	6162	5.269				
read baseline	0	0.149	BL			
Cal 10.000 ppb	12312	10.444				
Cal 25.000 ppb	29312	25.076				
Cal 50.000 ppb	56729	49.691				
Cal 100.000 ppb	108968	100.072				

Result path	C:\FLOW_4\3101425B.RST
Sample table path	C:\FLOW_4\avcn100.tbl
Method path	C:\FLOW_4\avcn100.mth
Date acquired	14-Oct-25
Time acquired	16:47

	Cyanide, Available					
Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
READ BASELINE	289	0.387				
READ BASELINE	0	0.149	BL			
Ni(II)CN 50ppb	55391	48.461				
ICV	56660	49.628				
ICB	-512	-0.274	LO			
READ BASELINE	0	0.149	BL			
MB	-675	-0.408	LO			
LCS	54752	47.874				
460-336714-i-2	1062	1.027				
460-336714-d-2 ms	58747	51.553				
460-336714-d-2 msd	59503	52.252				
410-245374-d-11	59277	52.042				
460-336714-d-3	784	0.797				
460-336714-d-5	-698	-0.427	LO			
460-336716-d-1	332	0.423				
460-336716-d-2	12549	10.644				
READ BASELINE	0	0.149	BL			
CCV	59449	52.202				
CCB	-17	0.135				
READ BASELINE	0	0.149	BL			
460-336717-k-1	1068	1.031				
460-336717-f-2	1271	1.200				
460-336717-k-3	516	0.575				
460-336717-k-4	1174	1.119				
MB	392	0.472				
LCS	59834	52.559				
180-196930-d-1	1360	1.273				
180-196930-d-1 ms	56092	49.105				
180-196930-d-1 msd	56340	49.333				
460-336717-k-5	3930	3.408				
READ BASELINE	0	0.149	BL			
CCV	58780	51.583				
CCB	418	0.494				
READ BASELINE	0	0.149	BL			
460-336719-j-1	182	0.299				
460-336719-j-2	8828	7.505				
280-233373-a-1	2867	2.524				

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Result path	C:\FLOW_4\3101425B.RST
Sample table path	C:\FLOW_4\avcn100.tbl
Method path	C:\FLOW_4\avcn100.mth
Date acquired	14-Oct-25
Time acquired	16:47

	Cyanide, Available					
Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
480-233373-a-3	9737	8.270				
180-196930-d-2	-280	-0.082	LO			
180-196930-d-3	3717	3.230				
180-196930-d-4	2411	2.144				
180-196930-d-5	230	0.339				
MB	-322	-0.118	LO			
LCS	54682	47.810				
READ BASELINE	0	0.149	BL			
CCV	56442	49.428				
CCB	104	0.234				
READ BASELINE	0	0.149	BL			
460-336855-j-2	1230	2.331				
460-336855-d-2 ms	34560	59.380				
460-336855-d-2 msd	41309	71.384				
180-197008-a-1	2397	2.133				
180-233373-a-2	2682	2.369				
480-233373-a-4	4198	3.630				
460-336821-d-1	936	0.922				
460-336821-i-2	1528	1.413				
460-336821-i-3	2227	1.992				
460-336821-i-4	2714	2.396				
READ BASELINE	0	0.149	BL			
CCV	56925	49.872				
CCB	393	0.474				
READ BASELINE	0	0.149	BL			
460-336821-i-6	1896	1.718				
460-336714-d-1	751	0.769				
MB	-181	-0.001	LO			
LCS	53836	47.035				
180-197054-d-1	2490	2.211				
180-197054-d-1MS	57040	49.978				
180-197054-d-1MSD	58254	51.098				
180-197054-d-2	14126	11.982				
180-197054-d-3	894	0.888				
180-197054-d-4	742	0.762				
180-197054-d-5	358	0.445				
490-38188-a-3	2420	2.152				

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Result path	C:\FLOW_4\3101425B.RST
Sample table path	C:\FLOW_4\avcn100.tbl
Method path	C:\FLOW_4\avcn100.mth
Date acquired	14-Oct-25
Time acquired	16:47

	Cyanide, Available					
Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
READ BASELINE	0	0.149	BL			
CCV	56696	49.661				
CCB	551	0.604				
READ BASELINE	0	0.149	BL			
180-197002-d-1	-21	0.131				
180-197002-d-2	2776	2.448				
180-197002-d-3	2703	2.387				
180-197002-d-4	344	0.433				
MB	-402	-0.183	LO			
LCS	52396	45.718				
180-197002-d-5	1868	1.694				
180-197002-d-5MS	52831	46.115				
180-197002-d-5MSD	53512	46.738				
180-197002-d-6	1248	1.180				
READ BASELINE	0	0.149	BL			
CCV	56001	49.022				
CCB	736	0.757				
READ BASELINE	0	0.149	BL			
460-336855-j-1	1355	1.269				
460-336855-j-3	3048	2.674				
180-197098-a-1	24101	20.539				
180-197099-a-1	1104	1.062				
180-197100-a-1	1305	1.228				
180-197100-a-2	1736	1.585				
READ BASELINE	0	0.149	BL			
CCV	56788	49.745				
CCB	591	0.637				
READ BASELINE	0	0.149	BL			

%Readback Error Calculation Spreadsheet[1, 2]

Use the following table for these methods: SM4500 P E (ortho-phosphate), SM4500 CN C/E (cyanide), SM4500 Norg D (TKN), SM4500 P-B/H (total phosphorous), SM5310C (TOC) and SM5540C (MBAS). If the % Errors are calculated by the instrument software, or another way, this spreadsheet is not needed.

ICAL or batch ID	ICAL STD (ppm)[3]	Result (ppm)	% Readback Error	% Readback Criteria[4]
			#DIV/0!	≤ 50% (STD concentration is < 3 X RL)
			#DIV/0!	≤ 50% (STD concentration is < 3 X RL)
			#DIV/0!	≤ 50% (STD concentration is < 3 X RL)
			#DIV/0!	≤ 50% (STD concentration is < 3 X RL)
			#DIV/0!	≤ 50% (STD concentration is < 3 X RL)
			#DIV/0!	≤ 20% (STD concentration is 3 to 5 X RL)
			#DIV/0!	≤ 20% (STD concentration is 3 to 5 X RL)
			#DIV/0!	≤ 10% (STD concentration is > 5 X RL)
			#DIV/0!	≤ 10% (STD concentration is > 5 X RL)
			#DIV/0!	≤ 10% (STD concentration is > 5 X RL)
			#DIV/0!	≤ 10% (STD concentration is > 5 X RL)
			#DIV/0!	≤ 10% (STD concentration is > 5 X RL)

Use the folllowing table for all other methods:

ICAL or batch ID	ICAL STD (ppm)[3]	Result (ppm)	% Readback Error	% Readback Criteria
504550	0.002	0.00196	2	≤ 50% (lowest STD; concentration = RL)
	0.005	0.00526	-5.2	≤ 20%
	0.01	0.01044	-4.4	≤ 20%
	0.025	0.02507	-0.28	≤ 20%
	0.05	0.04969	0.62	≤ 20%
	0.1	0.10007	-0.07	≤ 20%
			#DIV/0!	≤ 20%
			#DIV/0!	≤ 20%

[1] Percent readback errors for the calibration standards are required to be checked for the following tests: Nitrate/Nitrite, Total, Available & Free Cyanide, Ammonia, Phenols, TKN/Total Phosphorus, TOC, COD, MBAS, ortho-Phosphate & Hexavalent Chromium. If the % Errors of the calibration standards are calculated by the instrument software, or another way, this spreadsheet is not needed.

[2] Include a copy of this form in the TALS batch containing the calibration.

[3] Enter STDs in increasing concentrations; with lowest STD listed first.

[4] Acceptance Criteria: For standards < 3 times the RL ±50%; for standards 3 to 5 times the RL ±20%; and for standards > 5 times the RL ±10% for the following methods: SM4500 P E (ortho-phosphate), SM4500 CN C/E (cyanide), SM4500 Norg D (TKN), SM4500 P-B/H (total phosphorous), SM5310C (TOC) and SM5540C (MBAS).

Subcontract Data

Shipping and Receiving Documents

Environmental Analysis Request/Chain of Custody

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Acct. # _____ Group # _____ Sample # _____

Client:	Groundwater Sciences Corporation		
Project Name/#:	2025 Comprehensive Sampling	Site ID #:	fYNOP, York PA
Project Manager:	Chris O'Neil	P.O. #:	GSC.0100125300
Sampler:	Casey Littlefield (GSC) Lucas Grimm (LDG)	PWSID #:	N/A
Phone #:	(717) 901-8176 / (717) 756-1246	Quote #:	
State where samples were collected: York, PA		For Compliance:	Yes ☐ No ☑

Matrix: ☐ Soil ☐ Sediment ☐ Tissue ☑ Water: Ground ☐ Potable ☐ NPDES ☐ Surface

Analyses Requested — Preservation Codes: H

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

Sample Identification	Collection Date	Collection Time	Grab	Composite	Soil	Water	Other:	Total # of Containers	Aqueous VOCs via 8260D (standard level)	Remarks
HD-MW-143S-Ø/1-Ø	10/1/25	1040	X			GW		3	X	
HD-MW-143D-Ø/1-Ø	↓	1135	↓			↓		↓	↓	
~~HD-MW~~ HD-GM-1D-Ø/1-Ø	10/2/25	0925								
HD-MW-43D-Ø/1-Ø	↓	1335								
HD-MW-142D-Ø/1-Ø		1405								
HD-MW-15Ø-Ø/1-Ø		114Ø								
HD-COLE-D-Ø/1-Ø		13ØØ								
HD-MW-11Ø-Ø/1-Ø	↓	14ØØ								
HD-MW-18D-Ø/1-Ø	10/1/25	1432								
HD-MW-69-Ø/1-Ø	10/2/25	1422	↓			↓		↓	↓	

CORRECT

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

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
[signature]	10/3/25	1500	[signature]	10/3/25	1500

Relinquished by Commercial Carrier:
UPS _____ FedEx _____ Other _____

Temperature upon receipt _____ °C

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7045 0216

Environmental Analysis Request/Chain of Custody

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Acct. # _____ Group # _____ Sample # _____

Client:	Groundwater Sciences Corporation		
Project Name/#:	2025 Comprehensive Sampling	Site ID #:	fYNOP, York PA
Project Manager:	Chris O'Neil	P.O. #:	GSC.0100125300
Sampler:	Casey Littlefield (GSC) Lucas Grimm (LDG)	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: Potable	Ground	Surface	NPDES	Other:	Total # of Containers	Aqueous VOCs via 8260D (standard level)	Preservation Codes: H	O	O	Remarks
HD-MW-2-Ø/1-Ø	10/3/25	1120	X					GW					5 3	X	X	TOTAL CYANIDE VIA 9012B	Amt Available Cyanide VIA 1677	
HD-MW-111-Ø/1-Ø	10/3/25	1243	X					GW					3	X				
HD-QC3-Ø/1-2	10/1/25	—	—					W					2	X				TRIP BLANK
HD-COLE STEEL MW-12 Ø/1-Ø	10/3/25	Ø742	X					GW					3	X				

Analyses Requested — Preservation Codes

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 $NaAsO_2/NaOH$

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐

(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

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

	Date	Time		Date	Time
Relinquished by:	10/3/25	1500	Received by:	10/3/25	1500
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature upon receipt _____ °C

Environmental Analysis Request/Chain of Custody

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Acct. # _____ Group # _____ Sample # _____

Client:	Groundwater Sciences Corporation		
Project Name/#:	2025 Comprehensive Sampling	Site ID #:	fYNOP, York PA
Project Manager:	Chris O'Neil	P.O. #:	GSC.0100125300
Sampler:	Casey Littlefield (GSC) Lucas Grimm (LDG)	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: Potable	Ground	Surface	NPDES	Other:	Total # of Containers	Analyses Requested: Aqueous VOCs via 8260D (standard level)	Preservation Codes: H	Remarks
HD-MW-143S-Ø/1-Ø	10/1/25	1040	X					GW					3	X		
HD-MW-143D-Ø/1-Ø	↓	1135	↓					↓					↓	↓		
~~HD-MW~~ HD-GM-1D-Ø/1-Ø	10/2/25	Ø925														
HD-MW-43D-Ø/1-Ø	↓	1335														
HD-MW-142D-Ø/1-Ø		14Ø5														
HD-MW-15Ø-Ø/1-Ø		114Ø														
HD-COLE-D-Ø/1-Ø		13ØØ														
HD-MW-11Ø-Ø/1-Ø	↓	14ØØ														
HD-MW-18D-Ø/1-Ø	10/1/25	1432														
HD-MW-69-Ø/1-Ø	10/2/25	1422	↓					↓					↓	↓		

correct

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:

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
[signature]	10/3/25	1500	[signature]	10/3/25	1500
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature upon receipt _____ °C

Environmental Analysis Request/Chain of Custody

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Acct. # _____ Group # _____ Sample # _____

Client:	Groundwater Sciences Corporation		
Project Name/#:	2025 Comprehensive Sampling	Site ID #:	fYNOP, York PA
Project Manager:	Chris O'Neil	P.O. #:	GSC.0100125300
Sampler:	Casey Littlefield (GSC) Lucas Grimm (LDG)	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 (Potable / Ground / Surface / NPDES)	Other:	Total # of Containers	Aqueous VOCs via 8260D (standard level)	Preservation Codes: H	O	O	Remarks
														TOTAL CYANIDE VIA 9014/9	Aut Available Cyanide VIA 1677	
HD-MW-2-Ø/1-Ø	10/3/25	1120	X					GW		5 3	X		X	X	
HD-MW-111-Ø/1-Ø	10/3/25	1243	X					GW		3	X				
HD-QC3-Ø/1-2	10/1/25	—	—					W		2	X				TRIP Blank
HD-COLE STEEL MW-12 Ø/1-Ø	10/3/25	Ø742	X					GW		3	X				

Preservation Codes

H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; P = H_3PO_4; O = Other $NaAsO_2/NaOH$

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐

(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

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

	Date	Time		Date	Time
Relinquished by:	10/3/25	1500	Received by:	10/3/25	1500
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature upon receipt _____ °C

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410-245374 Chain of Custody

Environmental Analysis Request/Chain of Custody

Acct. # _____ Group # _____ Sample # _____

Client:	Groundwater Sciences Corporation		
Project Name/#:	2025 Comprehensive Sampling	Site ID #:	fYNOP, York PA
Project Manager:	Chris O'Neil	P.O. #:	GSC.0100125300
Sampler:	Casey Littlefield (GSC) Lucas Grimm (LDG)	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 (standard level)	Preservation Codes: H	Remarks
HD-MW-143S-Ø/1-Ø	10/1/25	1040	X			GW		3	X		
HD-MW-143D-Ø/1-Ø	↓	1135	↓			↓		↓	↓		
~~HD-MW~~ HD-GM-1D-Ø/1-Ø	10/2/25	Ø925									
HD-MW-43D-Ø/1-Ø		1335									
HD-MW-142D-Ø/1-Ø		1405									
HD-MW-150-Ø/1-Ø		1140									
HD-COLE-D-Ø/1-Ø		1300									
HD-MW-110-Ø/1-Ø	↓	1400									
HD-MW-18D-Ø/1-Ø	10/1/25	1432									
HD-MW-69-Ø/1-Ø	10/2/25	1422	↓			↓		↓	↓		

Preservation Codes: H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; P = H_3PO_4; O = Other

For Lab Use Only: SF #: _____ SCR #: _____

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

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
	10/3/25	1500		10/3/25	1500
	10/3/25	1645			
				10/3/25	1645

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature upon receipt R 0.8 C 0.8 °C

Environmental Analysis Request/Chain of Custody

pg. 2 of 2

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Acct. # _____ Group # _____ Sample # _____

Client:	Groundwater Sciences Corporation		
Project Name/#:	2025 Comprehensive Sampling	Site ID #:	fYNOP, York PA
Project Manager:	Chris O'Neil	P.O. #:	GSC.0100125300
Sampler:	Casey Littlefield (GSC) Lucas Grimm (LDG)	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: Potable	Ground	Surface	NPDES	Other:	Total # of Containers	Analyses Requested: Aqueous VOCs via 8260D (standard level)	Preservation Codes: H	Remarks
HD-MW-2-Ø/1-Ø	10/3/25	1120	X					GW					3	X		
HD-MW-111-Ø/1-Ø	10/3/25	1243	X					GW					3	X		
HD-QC3-Ø/1-2	10/1/25	—	X					W					2	X		TRIP Blank
HD-COLE STEEL MW-12 Ø/1-Ø	10/3/25	Ø742	X					GW					3	X		

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐

(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

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
1		10/3/25	1500		10/3/25	1500
2		10/3/25	1645		Date	Time
3		Date	Time		Date	Time
4		Date	Time		Date	Time
5		Date	Time		10/3/25	1645

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____

Temperature upon receipt C 0.8 °C

R 0.8

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

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Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone 717-656-2300 Fax 717-656-2681

Chain of Custody Record

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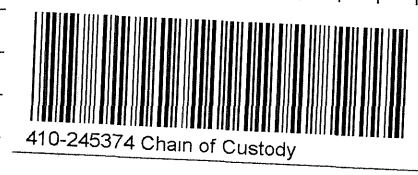
10/17/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Gallagher, Kelly	Carrier Tracking No(s): N/A	COC No: 410-4057853 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: kelly gallagher@et eurofinsus com	State of Origin: Pennsylvania	Page: Page 1 of 1
Company: Eurofins Environment Testing Northeast L		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 410-245374-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 10/16/2025			Preservation Codes: BO - NaOH/NaArsenite
City: Pittsburgh	TAT Requested (days): N/A			
State Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 2025 Comprehensive Sampling	Project #: 41001716			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid O=waste/oil BT=Tissue A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677Cyanide, Available (Flow Injection)	Total Number of containers	Special Instructions/Note:
			Preservation Code				BO		
HD-MW-2-0/1-0 (410-245374-11)	10/3/25	11 20 Eastern	G	Water			X	1	

LI # 25
CF +0.1
3.7/3.8



Note Since laboratory accreditations are subject to change Eurofins Lancaster Laboratories Environment Testing LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Lancaster Laboratories Environment Testing LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Lancaster Laboratories Environment Testing LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Lancaster Laboratories Environment Testing LLC

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Date/Time	Company		Date/Time	Company
Relinquished by: Katie Rems	10/7/25 1448	ECLET	Received by:	10/8/25 08:50	ECL
Relinquished by:	10/8/25 14:19	ECL	Received by:	10/8/25 14:19	ECL
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver 10/10/2024

Login Sample Receipt Checklist

Client: Verdantas

Job Number: 410-245374-1

Login Number: 245374

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Kanagy, Nicholas

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
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.	False	Refer to Job Narrative for details.
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	

Login Sample Receipt Checklist

Client: Verdantas

Job Number: 410-245374-1

Login Number: 245374
List Number: 2
Creator: Ryan, Shannon G

List Source: Eurofins Pittsburgh
List Creation: 10/09/25 03:10 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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.	False	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	