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ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/16/2024

JOB DESCRIPTION

2024 Comprehensive Sampling

JOB NUMBER

410-190648-1

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

See page two for job notes and contact information.

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

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

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

Authorization

Generated
10/16/2024

Authorized for release by
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717 205-7820

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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
!	Laboratory is not accredited for this parameter.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job Narrative
410-190648-1

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

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

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

Receipt
The samples were received on 10/2/2024 3:00 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 1.3°C.

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

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

Detection Summary

Client: Groundwater Sciences Corporation
Job ID: 410-190648-1
Project/Site: 2024 Comprehensive Sampling

Client Sample ID: HD-MW-67D-0/1-0 — Lab Sample ID: 410-190648-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.92	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.67	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-67S-0/1-0 — Lab Sample ID: 410-190648-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	5.7		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	1.4		1.0	0.30	ug/L	1		8260D	Total/NA
Chloroform	0.77	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	2.0		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	1.2		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-CW-2-0/1-0 — Lab Sample ID: 410-190648-3

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
Tetrachloroethene	0.52	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	6.1		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-143D-0/1-0 — Lab Sample ID: 410-190648-4

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

Client Sample ID: HD-MW-12-0/1-0 — Lab Sample ID: 410-190648-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	75		1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	3.2		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	55		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-CW-1A-0/1-0 — Lab Sample ID: 410-190648-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.9		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	27		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-3-0/1-0 — Lab Sample ID: 410-190648-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.2		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.57	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	1.7		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-2-0/1-0 — Lab Sample ID: 410-190648-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	69		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.60	J	1.0	0.30	ug/L	1		8260D	Total/NA
Cyanide, Total	0.062		0.010	0.0050	mg/L	1		9012B	Total/NA
Cyanide, Amenable	500	!	25	18	ug/L	5		9014	Total/NA
Cyanide, Available	0.0052		0.0020	0.0016	mg/L	1		OIA - 1677	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Groundwater Sciences Corporation
Job ID: 410-190648-1
Project/Site: 2024 Comprehensive Sampling

Client Sample ID: HD-MW-65S-0/1-0
Lab Sample ID: 410-190648-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.1		1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	2.0		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-QC2-0/1-2
Lab Sample ID: 410-190648-10

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: HD-MW-67D-0/1-0

Lab Sample ID: 410-190648-1

Date Collected: 09/30/24 09:27

Matrix: Water

Date Received: 10/02/24 15:00

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			10/07/24 02:42	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 02:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/07/24 02:42	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 02:42	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 02:42	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 02:42	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/07/24 02:42	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 02:42	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/07/24 02:42	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/07/24 02:42	1
2-Hexanone	ND		10	0.85	ug/L			10/07/24 02:42	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/07/24 02:42	1
Acetone	ND		20	0.70	ug/L			10/07/24 02:42	1
Benzene	ND		1.0	0.30	ug/L			10/07/24 02:42	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/07/24 02:42	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/07/24 02:42	1
Bromoform	ND		4.0	1.0	ug/L			10/07/24 02:42	1
Bromomethane	ND		1.0	0.30	ug/L			10/07/24 02:42	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/07/24 02:42	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/07/24 02:42	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/07/24 02:42	1
Chloroethane	ND		1.0	0.30	ug/L			10/07/24 02:42	1
Chloroform	**0.92**	**J**	1.0	0.30	ug/L			10/07/24 02:42	1
Chloromethane	ND		2.0	0.55	ug/L			10/07/24 02:42	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 02:42	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 02:42	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/07/24 02:42	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/07/24 02:42	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/07/24 02:42	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/07/24 02:42	1
Styrene	ND		5.0	0.30	ug/L			10/07/24 02:42	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/07/24 02:42	1
Toluene	ND		1.0	0.30	ug/L			10/07/24 02:42	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/07/24 02:42	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 02:42	1
Trichloroethene	**0.67**	**J**	1.0	0.30	ug/L			10/07/24 02:42	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/07/24 02:42	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/07/24 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*10/07/24 02:42*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/07/24 02:42*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*10/07/24 02:42*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/07/24 02:42*	*1*

Client Sample ID: HD-MW-67S-0/1-0

Lab Sample ID: 410-190648-2

Date Collected: 10/01/24 08:50

Matrix: Water

Date Received: 10/02/24 15:00

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			10/07/24 03:01	1
1,1,1-Trichloroethane	**5.7**		1.0	0.30	ug/L			10/07/24 03:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/07/24 03:01	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 03:01	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 03:01	1
1,1-Dichloroethene	**1.4**		1.0	0.30	ug/L			10/07/24 03:01	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/07/24 03:01	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 03:01	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/07/24 03:01	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/07/24 03:01	1
2-Hexanone	ND		10	0.85	ug/L			10/07/24 03:01	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/07/24 03:01	1
Acetone	ND		20	0.70	ug/L			10/07/24 03:01	1
Benzene	ND		1.0	0.30	ug/L			10/07/24 03:01	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/07/24 03:01	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/07/24 03:01	1
Bromoform	ND		4.0	1.0	ug/L			10/07/24 03:01	1
Bromomethane	ND		1.0	0.30	ug/L			10/07/24 03:01	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/07/24 03:01	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/07/24 03:01	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/07/24 03:01	1
Chloroethane	ND		1.0	0.30	ug/L			10/07/24 03:01	1
Chloroform	**0.77**	**J**	1.0	0.30	ug/L			10/07/24 03:01	1
Chloromethane	ND		2.0	0.55	ug/L			10/07/24 03:01	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 03:01	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 03:01	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/07/24 03:01	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/07/24 03:01	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/07/24 03:01	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/07/24 03:01	1
Styrene	ND		5.0	0.30	ug/L			10/07/24 03:01	1
Tetrachloroethene	**2.0**		1.0	0.30	ug/L			10/07/24 03:01	1
Toluene	ND		1.0	0.30	ug/L			10/07/24 03:01	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/07/24 03:01	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 03:01	1
Trichloroethene	**1.2**		1.0	0.30	ug/L			10/07/24 03:01	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/07/24 03:01	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/07/24 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*10/07/24 03:01*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/07/24 03:01*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/07/24 03:01*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/07/24 03:01*	*1*

Client Sample ID: HD-CW-2-0/1-0

Lab Sample ID: 410-190648-3

Date Collected: 10/01/24 13:05

Matrix: Water

Date Received: 10/02/24 15:00

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			10/07/24 03:20	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 03:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/07/24 03:20	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 03:20	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 03:20	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 03:20	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/07/24 03:20	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 03:20	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/07/24 03:20	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/07/24 03:20	1
2-Hexanone	ND		10	0.85	ug/L			10/07/24 03:20	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/07/24 03:20	1
Acetone	ND		20	0.70	ug/L			10/07/24 03:20	1
Benzene	ND		1.0	0.30	ug/L			10/07/24 03:20	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/07/24 03:20	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/07/24 03:20	1
Bromoform	ND		4.0	1.0	ug/L			10/07/24 03:20	1
Bromomethane	ND		1.0	0.30	ug/L			10/07/24 03:20	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/07/24 03:20	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/07/24 03:20	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/07/24 03:20	1
Chloroethane	ND		1.0	0.30	ug/L			10/07/24 03:20	1
Chloroform	ND		1.0	0.30	ug/L			10/07/24 03:20	1
Chloromethane	ND		2.0	0.55	ug/L			10/07/24 03:20	1
cis-1,2-Dichloroethene	**3.3**		1.0	0.30	ug/L			10/07/24 03:20	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 03:20	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/07/24 03:20	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/07/24 03:20	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/07/24 03:20	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/07/24 03:20	1
Styrene	ND		5.0	0.30	ug/L			10/07/24 03:20	1
Tetrachloroethene	**0.52**	**J**	1.0	0.30	ug/L			10/07/24 03:20	1
Toluene	ND		1.0	0.30	ug/L			10/07/24 03:20	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/07/24 03:20	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 03:20	1
Trichloroethene	**6.1**		1.0	0.30	ug/L			10/07/24 03:20	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/07/24 03:20	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/07/24 03:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 120*		*10/07/24 03:20*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*10/07/24 03:20*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/07/24 03:20*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/07/24 03:20*	*1*

Client Sample ID: HD-MW-143D-0/1-0

Lab Sample ID: 410-190648-4

Date Collected: 10/01/24 14:27

Matrix: Water

Date Received: 10/02/24 15:00

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			10/07/24 03:39	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 03:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/07/24 03:39	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 03:39	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 03:39	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 03:39	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/07/24 03:39	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 03:39	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/07/24 03:39	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/07/24 03:39	1
2-Hexanone	ND		10	0.85	ug/L			10/07/24 03:39	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/07/24 03:39	1
Acetone	ND		20	0.70	ug/L			10/07/24 03:39	1
Benzene	ND		1.0	0.30	ug/L			10/07/24 03:39	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/07/24 03:39	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/07/24 03:39	1
Bromoform	ND		4.0	1.0	ug/L			10/07/24 03:39	1
Bromomethane	ND		1.0	0.30	ug/L			10/07/24 03:39	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/07/24 03:39	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/07/24 03:39	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/07/24 03:39	1
Chloroethane	ND		1.0	0.30	ug/L			10/07/24 03:39	1
Chloroform	ND		1.0	0.30	ug/L			10/07/24 03:39	1
Chloromethane	ND		2.0	0.55	ug/L			10/07/24 03:39	1
cis-1,2-Dichloroethene	**3.7**		1.0	0.30	ug/L			10/07/24 03:39	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 03:39	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/07/24 03:39	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/07/24 03:39	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/07/24 03:39	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/07/24 03:39	1
Styrene	ND		5.0	0.30	ug/L			10/07/24 03:39	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/07/24 03:39	1
Toluene	ND		1.0	0.30	ug/L			10/07/24 03:39	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/07/24 03:39	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 03:39	1
Trichloroethene	ND		1.0	0.30	ug/L			10/07/24 03:39	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/07/24 03:39	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/07/24 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*10/07/24 03:39*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/07/24 03:39*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*10/07/24 03:39*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/07/24 03:39*	*1*

Client Sample ID: HD-MW-12-0/1-0

Lab Sample ID: 410-190648-5

Date Collected: 10/01/24 15:00

Matrix: Water

Date Received: 10/02/24 15:00

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			10/07/24 03:58	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 03:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/07/24 03:58	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 03:58	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 03:58	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 03:58	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/07/24 03:58	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 03:58	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/07/24 03:58	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/07/24 03:58	1
2-Hexanone	ND		10	0.85	ug/L			10/07/24 03:58	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/07/24 03:58	1
Acetone	ND		20	0.70	ug/L			10/07/24 03:58	1
Benzene	ND		1.0	0.30	ug/L			10/07/24 03:58	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/07/24 03:58	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/07/24 03:58	1
Bromoform	ND		4.0	1.0	ug/L			10/07/24 03:58	1
Bromomethane	ND		1.0	0.30	ug/L			10/07/24 03:58	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/07/24 03:58	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/07/24 03:58	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/07/24 03:58	1
Chloroethane	ND		1.0	0.30	ug/L			10/07/24 03:58	1
Chloroform	ND		1.0	0.30	ug/L			10/07/24 03:58	1
Chloromethane	ND		2.0	0.55	ug/L			10/07/24 03:58	1
cis-1,2-Dichloroethene	**75**		1.0	0.30	ug/L			10/07/24 03:58	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 03:58	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/07/24 03:58	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/07/24 03:58	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/07/24 03:58	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/07/24 03:58	1
Styrene	ND		5.0	0.30	ug/L			10/07/24 03:58	1
Tetrachloroethene	**3.2**		1.0	0.30	ug/L			10/07/24 03:58	1
Toluene	ND		1.0	0.30	ug/L			10/07/24 03:58	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/07/24 03:58	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 03:58	1
Trichloroethene	**55**		1.0	0.30	ug/L			10/07/24 03:58	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/07/24 03:58	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/07/24 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 120*		*10/07/24 03:58*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/07/24 03:58*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/07/24 03:58*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/07/24 03:58*	*1*

Client Sample ID: HD-CW-1A-0/1-0

Lab Sample ID: 410-190648-6

Date Collected: 09/30/24 13:00

Matrix: Water

Date Received: 10/02/24 15:00

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			10/07/24 04:18	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 04:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/07/24 04:18	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 04:18	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 04:18	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 04:18	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/07/24 04:18	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 04:18	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/07/24 04:18	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/07/24 04:18	1
2-Hexanone	ND		10	0.85	ug/L			10/07/24 04:18	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/07/24 04:18	1
Acetone	ND		20	0.70	ug/L			10/07/24 04:18	1
Benzene	ND		1.0	0.30	ug/L			10/07/24 04:18	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/07/24 04:18	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/07/24 04:18	1
Bromoform	ND		4.0	1.0	ug/L			10/07/24 04:18	1
Bromomethane	ND		1.0	0.30	ug/L			10/07/24 04:18	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/07/24 04:18	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/07/24 04:18	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/07/24 04:18	1
Chloroethane	ND		1.0	0.30	ug/L			10/07/24 04:18	1
Chloroform	ND		1.0	0.30	ug/L			10/07/24 04:18	1
Chloromethane	ND		2.0	0.55	ug/L			10/07/24 04:18	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 04:18	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 04:18	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/07/24 04:18	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/07/24 04:18	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/07/24 04:18	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/07/24 04:18	1
Styrene	ND		5.0	0.30	ug/L			10/07/24 04:18	1
Tetrachloroethene	**1.9**		1.0	0.30	ug/L			10/07/24 04:18	1
Toluene	ND		1.0	0.30	ug/L			10/07/24 04:18	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/07/24 04:18	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 04:18	1
Trichloroethene	**27**		1.0	0.30	ug/L			10/07/24 04:18	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/07/24 04:18	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/07/24 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*10/07/24 04:18*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/07/24 04:18*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*10/07/24 04:18*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/07/24 04:18*	*1*

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

Lab Sample ID: 410-190648-7

Date Collected: 09/30/24 14:25

Matrix: Water

Date Received: 10/02/24 15:00

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			10/07/24 04:37	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 04:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/07/24 04:37	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 04:37	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 04:37	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 04:37	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/07/24 04:37	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 04:37	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/07/24 04:37	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/07/24 04:37	1
2-Hexanone	ND		10	0.85	ug/L			10/07/24 04:37	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/07/24 04:37	1
Acetone	ND		20	0.70	ug/L			10/07/24 04:37	1
Benzene	ND		1.0	0.30	ug/L			10/07/24 04:37	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/07/24 04:37	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/07/24 04:37	1
Bromoform	ND		4.0	1.0	ug/L			10/07/24 04:37	1
Bromomethane	ND		1.0	0.30	ug/L			10/07/24 04:37	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/07/24 04:37	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/07/24 04:37	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/07/24 04:37	1
Chloroethane	ND		1.0	0.30	ug/L			10/07/24 04:37	1
Chloroform	**1.2**		1.0	0.30	ug/L			10/07/24 04:37	1
Chloromethane	ND		2.0	0.55	ug/L			10/07/24 04:37	1
cis-1,2-Dichloroethene	**0.57**	**J**	1.0	0.30	ug/L			10/07/24 04:37	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 04:37	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/07/24 04:37	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/07/24 04:37	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/07/24 04:37	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/07/24 04:37	1
Styrene	ND		5.0	0.30	ug/L			10/07/24 04:37	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/07/24 04:37	1
Toluene	ND		1.0	0.30	ug/L			10/07/24 04:37	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/07/24 04:37	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 04:37	1
Trichloroethene	**1.7**		1.0	0.30	ug/L			10/07/24 04:37	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/07/24 04:37	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/07/24 04:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*10/07/24 04:37*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/07/24 04:37*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*10/07/24 04:37*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/07/24 04:37*	*1*

Client Sample ID: HD-MW-2-0/1-0

Lab Sample ID: 410-190648-8

Date Collected: 10/01/24 11:25

Matrix: Water

Date Received: 10/02/24 15:00

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			10/07/24 04:56	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 04:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/07/24 04:56	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 04:56	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 04:56	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 04:56	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/07/24 04:56	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 04:56	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/07/24 04:56	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/07/24 04:56	1
2-Hexanone	ND		10	0.85	ug/L			10/07/24 04:56	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/07/24 04:56	1
Acetone	ND		20	0.70	ug/L			10/07/24 04:56	1
Benzene	ND		1.0	0.30	ug/L			10/07/24 04:56	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/07/24 04:56	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/07/24 04:56	1
Bromoform	ND		4.0	1.0	ug/L			10/07/24 04:56	1
Bromomethane	ND		1.0	0.30	ug/L			10/07/24 04:56	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/07/24 04:56	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/07/24 04:56	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/07/24 04:56	1
Chloroethane	ND		1.0	0.30	ug/L			10/07/24 04:56	1
Chloroform	ND		1.0	0.30	ug/L			10/07/24 04:56	1
Chloromethane	ND		2.0	0.55	ug/L			10/07/24 04:56	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 04:56	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 04:56	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/07/24 04:56	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/07/24 04:56	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/07/24 04:56	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/07/24 04:56	1
Styrene	ND		5.0	0.30	ug/L			10/07/24 04:56	1
Tetrachloroethene	**69**		1.0	0.30	ug/L			10/07/24 04:56	1
Toluene	ND		1.0	0.30	ug/L			10/07/24 04:56	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/07/24 04:56	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 04:56	1
Trichloroethene	**0.60**	**J**	1.0	0.30	ug/L			10/07/24 04:56	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/07/24 04:56	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/07/24 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*10/07/24 04:56*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/07/24 04:56*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*10/07/24 04:56*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/07/24 04:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.062**		0.010	0.0050	mg/L		10/11/24 13:15	10/14/24 17:50	1

Client Sample ID: HD-MW-2-0/1-0
Lab Sample ID: 410-190648-8

Date Collected: 10/01/24 11:25
Matrix: Water
Date Received: 10/02/24 15:00

General Chemistry
Lab: Eurofins Pensacola

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable (SW846 9014)	**500**	**!**	25	18	ug/L		10/08/24 13:50	10/09/24 15:38	5

General Chemistry
Lab: Eurofins Pittsburgh

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Available (EPA OIA - 1677)	**0.0052**		0.0020	0.0016	mg/L			10/08/24 14:27	1

Client Sample ID: HD-MW-65S-0/1-0
Lab Sample ID: 410-190648-9

Date Collected: 10/01/24 12:15
Matrix: Water
Date Received: 10/02/24 15:00

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			10/07/24 05:16	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 05:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/07/24 05:16	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 05:16	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 05:16	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 05:16	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/07/24 05:16	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 05:16	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/07/24 05:16	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/07/24 05:16	1
2-Hexanone	ND		10	0.85	ug/L			10/07/24 05:16	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/07/24 05:16	1
Acetone	ND		20	0.70	ug/L			10/07/24 05:16	1
Benzene	ND		1.0	0.30	ug/L			10/07/24 05:16	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/07/24 05:16	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/07/24 05:16	1
Bromoform	ND		4.0	1.0	ug/L			10/07/24 05:16	1
Bromomethane	ND		1.0	0.30	ug/L			10/07/24 05:16	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/07/24 05:16	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/07/24 05:16	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/07/24 05:16	1
Chloroethane	ND		1.0	0.30	ug/L			10/07/24 05:16	1
Chloroform	**1.1**		1.0	0.30	ug/L			10/07/24 05:16	1
Chloromethane	ND		2.0	0.55	ug/L			10/07/24 05:16	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 05:16	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 05:16	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/07/24 05:16	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/07/24 05:16	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/07/24 05:16	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/07/24 05:16	1
Styrene	ND		5.0	0.30	ug/L			10/07/24 05:16	1
Tetrachloroethene	**2.0**		1.0	0.30	ug/L			10/07/24 05:16	1
Toluene	ND		1.0	0.30	ug/L			10/07/24 05:16	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/07/24 05:16	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 05:16	1

Client Sample ID: HD-MW-65S-0/1-0

Lab Sample ID: 410-190648-9

Date Collected: 10/01/24 12:15

Matrix: Water

Date Received: 10/02/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.0	0.30	ug/L			10/07/24 05:16	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/07/24 05:16	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/07/24 05:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*10/07/24 05:16*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/07/24 05:16*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*10/07/24 05:16*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/07/24 05:16*	*1*

Client Sample ID: HD-QC2-0/1-2

Lab Sample ID: 410-190648-10

Date Collected: 09/30/24 00:00

Matrix: Water

Date Received: 10/02/24 15:00

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			10/06/24 23:09	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/06/24 23:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/06/24 23:09	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/06/24 23:09	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/06/24 23:09	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/06/24 23:09	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/06/24 23:09	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/06/24 23:09	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/06/24 23:09	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/06/24 23:09	1
2-Hexanone	ND		10	0.85	ug/L			10/06/24 23:09	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/06/24 23:09	1
Acetone	ND		20	0.70	ug/L			10/06/24 23:09	1
Benzene	ND		1.0	0.30	ug/L			10/06/24 23:09	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/06/24 23:09	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/06/24 23:09	1
Bromoform	ND		4.0	1.0	ug/L			10/06/24 23:09	1
Bromomethane	ND		1.0	0.30	ug/L			10/06/24 23:09	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/06/24 23:09	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/06/24 23:09	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/06/24 23:09	1
Chloroethane	ND		1.0	0.30	ug/L			10/06/24 23:09	1
Chloroform	ND		1.0	0.30	ug/L			10/06/24 23:09	1
Chloromethane	ND		2.0	0.55	ug/L			10/06/24 23:09	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/06/24 23:09	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/06/24 23:09	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/06/24 23:09	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/06/24 23:09	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/06/24 23:09	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/06/24 23:09	1
Styrene	ND		5.0	0.30	ug/L			10/06/24 23:09	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/06/24 23:09	1
Toluene	ND		1.0	0.30	ug/L			10/06/24 23:09	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/06/24 23:09	1

Client: Groundwater Sciences Corporation
Job ID: 410-190648-1
Project/Site: 2024 Comprehensive Sampling

Client Sample ID: HD-QC2-0/1-2
Lab Sample ID: 410-190648-10
Date Collected: 09/30/24 00:00
Matrix: Water
Date Received: 10/02/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/06/24 23:09	1
Trichloroethene	ND		1.0	0.30	ug/L			10/06/24 23:09	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/06/24 23:09	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/06/24 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*10/06/24 23:09*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/06/24 23:09*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*10/06/24 23:09*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/06/24 23:09*	*1*

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

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

General Chemistry

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

General Chemistry

Prep: 9010C

Analyte	RL	MDL	Units
Cyanide, Amenable	5.0	3.5	ug/L

General Chemistry

Prep: 9012B

Analyte	RL	MDL	Units
Cyanide, Total	0.010	0.0050	mg/L

Surrogate Summary

Client: Groundwater Sciences Corporation
Project/Site: 2024 Comprehensive Sampling

Job ID: 410-190648-1

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)
410-190648-1	HD-MW-67D-0/1-0	106	101	106	100
410-190648-2	HD-MW-67S-0/1-0	110	101	110	100
410-190648-3	HD-CW-2-0/1-0	113	104	110	100
410-190648-4	HD-MW-143D-0/1-0	108	100	109	98
410-190648-5	HD-MW-12-0/1-0	114	102	110	101
410-190648-6	HD-CW-1A-0/1-0	110	101	111	98
410-190648-7	HD-MW-3-0/1-0	111	100	112	98
410-190648-8	HD-MW-2-0/1-0	108	101	109	99
410-190648-9	HD-MW-65S-0/1-0	109	101	109	100
410-190648-10	HD-QC2-0/1-2	110	101	108	99
LCS 410-559907/4	Lab Control Sample	105	101	104	103
LCSD 410-559907/5	Lab Control Sample Dup	103	99	99	106
MB 410-559907/7	Method Blank	106	102	106	100

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 410-559907/7
Matrix: Water
Analysis Batch: 559907

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			10/06/24 22:30	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/06/24 22:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/06/24 22:30	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/06/24 22:30	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/06/24 22:30	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/06/24 22:30	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/06/24 22:30	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/06/24 22:30	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/06/24 22:30	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/06/24 22:30	1
2-Hexanone	ND		10	0.85	ug/L			10/06/24 22:30	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/06/24 22:30	1
Acetone	ND		20	0.70	ug/L			10/06/24 22:30	1
Benzene	ND		1.0	0.30	ug/L			10/06/24 22:30	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/06/24 22:30	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/06/24 22:30	1
Bromoform	ND		4.0	1.0	ug/L			10/06/24 22:30	1
Bromomethane	ND		1.0	0.30	ug/L			10/06/24 22:30	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/06/24 22:30	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/06/24 22:30	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/06/24 22:30	1
Chloroethane	ND		1.0	0.30	ug/L			10/06/24 22:30	1
Chloroform	ND		1.0	0.30	ug/L			10/06/24 22:30	1
Chloromethane	ND		2.0	0.55	ug/L			10/06/24 22:30	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/06/24 22:30	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/06/24 22:30	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/06/24 22:30	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/06/24 22:30	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/06/24 22:30	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/06/24 22:30	1
Styrene	ND		5.0	0.30	ug/L			10/06/24 22:30	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/06/24 22:30	1
Toluene	ND		1.0	0.30	ug/L			10/06/24 22:30	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/06/24 22:30	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/06/24 22:30	1
Trichloroethene	ND		1.0	0.30	ug/L			10/06/24 22:30	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/06/24 22:30	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/06/24 22:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*10/06/24 22:30*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/06/24 22:30*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*10/06/24 22:30*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/06/24 22:30*	*1*

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

Lab Sample ID: LCS 410-559907/4
Matrix: Water
Analysis Batch: 559907

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	21.2		ug/L		106	79 - 120
1,1,1-Trichloroethane	20.0	18.1		ug/L		91	73 - 120
1,1,2,2-Tetrachloroethane	20.0	20.6		ug/L		103	72 - 120
1,1,2-Trichloroethane	20.0	19.9		ug/L		99	80 - 120
1,1-Dichloroethane	20.0	19.8		ug/L		99	80 - 120
1,1-Dichloroethene	20.0	18.3		ug/L		92	80 - 131
1,2-Dibromoethane (EDB)	20.0	19.3		ug/L		96	77 - 120
1,2-Dichloroethane	20.0	20.2		ug/L		101	73 - 124
1,2-Dichloropropane	20.0	20.0		ug/L		100	80 - 120
2-Butanone (MEK)	250	279		ug/L		111	59 - 135
2-Hexanone	250	286		ug/L		114	56 - 135
4-Methyl-2-pentanone (MIBK)	250	246		ug/L		98	62 - 133
Acetone	250	232		ug/L		93	57 - 143
Benzene	20.0	18.7		ug/L		94	80 - 120
Bromochloromethane	20.0	21.6		ug/L		108	80 - 120
Bromodichloromethane	20.0	18.6		ug/L		93	71 - 120
Bromoform	20.0	18.8		ug/L		94	51 - 120
Bromomethane	20.0	16.2		ug/L		81	53 - 128
Carbon disulfide	20.0	14.9		ug/L		75	65 - 128
Carbon tetrachloride	20.0	17.8		ug/L		89	64 - 134
Chlorobenzene	20.0	18.9		ug/L		94	80 - 120
Chloroethane	20.0	17.4		ug/L		87	55 - 123
Chloroform	20.0	18.6		ug/L		93	80 - 120
Chloromethane	20.0	19.4		ug/L		97	39 - 134
cis-1,2-Dichloroethene	20.0	19.9		ug/L		100	80 - 125
cis-1,3-Dichloropropene	20.0	16.2		ug/L		81	75 - 120
Dibromochloromethane	20.0	19.4		ug/L		97	71 - 120
Ethylbenzene	20.0	19.4		ug/L		97	80 - 120
Methyl tert-butyl ether	20.0	20.1		ug/L		101	69 - 122
Methylene Chloride	20.0	19.2		ug/L		96	80 - 120
Styrene	20.0	19.3		ug/L		97	80 - 120
Tetrachloroethene	20.0	18.9		ug/L		95	80 - 120
Toluene	20.0	19.1		ug/L		96	80 - 120
trans-1,2-Dichloroethene	20.0	18.4		ug/L		92	80 - 126
trans-1,3-Dichloropropene	20.0	17.5		ug/L		88	67 - 120
Trichloroethene	20.0	17.4		ug/L		87	80 - 120
Vinyl chloride	20.0	16.1		ug/L		81	56 - 120
Xylenes, Total	60.0	57.8		ug/L		96	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: LCSD 410-559907/5
Matrix: Water
Analysis Batch: 559907

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	21.3		ug/L		106	79 - 120	0	30
1,1,1-Trichloroethane	20.0	17.5		ug/L		88	73 - 120	3	30
1,1,2,2-Tetrachloroethane	20.0	20.9		ug/L		105	72 - 120	1	30
1,1,2-Trichloroethane	20.0	20.7		ug/L		104	80 - 120	4	30
1,1-Dichloroethane	20.0	18.6		ug/L		93	80 - 120	6	30
1,1-Dichloroethene	20.0	17.3		ug/L		87	80 - 131	6	30
1,2-Dibromoethane (EDB)	20.0	19.7		ug/L		99	77 - 120	2	30
1,2-Dichloroethane	20.0	19.5		ug/L		97	73 - 124	4	30
1,2-Dichloropropane	20.0	19.7		ug/L		98	80 - 120	2	30
2-Butanone (MEK)	250	274		ug/L		110	59 - 135	2	30
2-Hexanone	250	283		ug/L		113	56 - 135	1	30
4-Methyl-2-pentanone (MIBK)	250	240		ug/L		96	62 - 133	2	30
Acetone	250	219		ug/L		88	57 - 143	6	30
Benzene	20.0	18.4		ug/L		92	80 - 120	1	30
Bromochloromethane	20.0	19.6		ug/L		98	80 - 120	10	30
Bromodichloromethane	20.0	18.7		ug/L		93	71 - 120	1	30
Bromoform	20.0	18.9		ug/L		94	51 - 120	1	30
Bromomethane	20.0	15.7		ug/L		78	53 - 128	3	30
Carbon disulfide	20.0	14.6		ug/L		73	65 - 128	2	30
Carbon tetrachloride	20.0	17.1		ug/L		86	64 - 134	4	30
Chlorobenzene	20.0	18.4		ug/L		92	80 - 120	2	30
Chloroethane	20.0	16.4		ug/L		82	55 - 123	6	30
Chloroform	20.0	17.2		ug/L		86	80 - 120	8	30
Chloromethane	20.0	17.5		ug/L		87	39 - 134	10	30
cis-1,2-Dichloroethene	20.0	19.1		ug/L		95	80 - 125	4	30
cis-1,3-Dichloropropene	20.0	16.6		ug/L		83	75 - 120	3	30
Dibromochloromethane	20.0	19.4		ug/L		97	71 - 120	0	30
Ethylbenzene	20.0	19.4		ug/L		97	80 - 120	0	30
Methyl tert-butyl ether	20.0	19.3		ug/L		97	69 - 122	4	30
Methylene Chloride	20.0	18.4		ug/L		92	80 - 120	4	30
Styrene	20.0	19.2		ug/L		96	80 - 120	1	30
Tetrachloroethene	20.0	19.3		ug/L		96	80 - 120	2	30
Toluene	20.0	19.3		ug/L		97	80 - 120	1	30
trans-1,2-Dichloroethene	20.0	17.2		ug/L		86	80 - 126	6	30
trans-1,3-Dichloropropene	20.0	18.1		ug/L		91	67 - 120	3	30
Trichloroethene	20.0	17.8		ug/L		89	80 - 120	2	30
Vinyl chloride	20.0	15.1		ug/L		75	56 - 120	7	30
Xylenes, Total	60.0	57.6		ug/L		96	80 - 120	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 410-562235/2-A
Matrix: Water
Analysis Batch: 563308

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 562235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		10/11/24 13:15	10/14/24 17:29	1

Lab Sample ID: LCS 410-562235/1-A
Matrix: Water
Analysis Batch: 563308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 562235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.191		mg/L		96	85 - 115

Method: 9014 - Cyanide

Lab Sample ID: MB 400-687172/1-A
Matrix: Water
Analysis Batch: 687552

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 687172

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	ND		5.0	3.5	ug/L		10/08/24 13:50	10/09/24 15:34	1

Lab Sample ID: LCS 400-687172/2-A
Matrix: Water
Analysis Batch: 687552

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 687172

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Amenable	127	144		ug/L		113	75 - 125

Lab Sample ID: MRL 400-687552/15
Matrix: Water
Analysis Batch: 687552

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Amenable	0.00400	0.00221	J	mg/L		55	50 - 150

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

Lab Sample ID: MB 180-481286/26
Matrix: Water
Analysis Batch: 481286

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			10/08/24 14:14	1

Lab Sample ID: LCS 180-481286/27
Matrix: Water
Analysis Batch: 481286

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	0.0512		mg/L		102	82 - 132

GC/MS VOA

Analysis Batch: 559907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-190648-1	HD-MW-67D-0/1-0	Total/NA	Water	8260D	
410-190648-2	HD-MW-67S-0/1-0	Total/NA	Water	8260D	
410-190648-3	HD-CW-2-0/1-0	Total/NA	Water	8260D	
410-190648-4	HD-MW-143D-0/1-0	Total/NA	Water	8260D	
410-190648-5	HD-MW-12-0/1-0	Total/NA	Water	8260D	
410-190648-6	HD-CW-1A-0/1-0	Total/NA	Water	8260D	
410-190648-7	HD-MW-3-0/1-0	Total/NA	Water	8260D	
410-190648-8	HD-MW-2-0/1-0	Total/NA	Water	8260D	
410-190648-9	HD-MW-65S-0/1-0	Total/NA	Water	8260D	
410-190648-10	HD-QC2-0/1-2	Total/NA	Water	8260D	
MB 410-559907/7	Method Blank	Total/NA	Water	8260D	
LCS 410-559907/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-559907/5	Lab Control Sample Dup	Total/NA	Water	8260D	

General Chemistry

Analysis Batch: 481286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-190648-8	HD-MW-2-0/1-0	Total/NA	Water	OIA - 1677	
MB 180-481286/26	Method Blank	Total/NA	Water	OIA - 1677	
LCS 180-481286/27	Lab Control Sample	Total/NA	Water	OIA - 1677	

Prep Batch: 562235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-190648-8	HD-MW-2-0/1-0	Total/NA	Water	9012B	
MB 410-562235/2-A	Method Blank	Total/NA	Water	9012B	
LCS 410-562235/1-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 563308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-190648-8	HD-MW-2-0/1-0	Total/NA	Water	9012B	562235
MB 410-562235/2-A	Method Blank	Total/NA	Water	9012B	562235
LCS 410-562235/1-A	Lab Control Sample	Total/NA	Water	9012B	562235

Prep Batch: 687172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-190648-8	HD-MW-2-0/1-0	Total/NA	Water	9010C	
MB 400-687172/1-A	Method Blank	Total/NA	Water	9010C	
LCS 400-687172/2-A	Lab Control Sample	Total/NA	Water	9010C	

Analysis Batch: 687552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-190648-8	HD-MW-2-0/1-0	Total/NA	Water	9014	687172
MB 400-687172/1-A	Method Blank	Total/NA	Water	9014	687172
LCS 400-687172/2-A	Lab Control Sample	Total/NA	Water	9014	687172
MRL 400-687552/15	Lab Control Sample	Total/NA	Water	9014	

Client Sample ID: HD-MW-67D-0/1-0
Lab Sample ID: 410-190648-1

Date Collected: 09/30/24 09:27
Matrix: Water
Date Received: 10/02/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	559907	JS6E	ELLE	10/07/24 02:42

Client Sample ID: HD-MW-67S-0/1-0
Lab Sample ID: 410-190648-2

Date Collected: 10/01/24 08:50
Matrix: Water
Date Received: 10/02/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	559907	JS6E	ELLE	10/07/24 03:01

Client Sample ID: HD-CW-2-0/1-0
Lab Sample ID: 410-190648-3

Date Collected: 10/01/24 13:05
Matrix: Water
Date Received: 10/02/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	559907	JS6E	ELLE	10/07/24 03:20

Client Sample ID: HD-MW-143D-0/1-0
Lab Sample ID: 410-190648-4

Date Collected: 10/01/24 14:27
Matrix: Water
Date Received: 10/02/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	559907	JS6E	ELLE	10/07/24 03:39

Client Sample ID: HD-MW-12-0/1-0
Lab Sample ID: 410-190648-5

Date Collected: 10/01/24 15:00
Matrix: Water
Date Received: 10/02/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	559907	JS6E	ELLE	10/07/24 03:58

Client Sample ID: HD-CW-1A-0/1-0
Lab Sample ID: 410-190648-6

Date Collected: 09/30/24 13:00
Matrix: Water
Date Received: 10/02/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	559907	JS6E	ELLE	10/07/24 04:18

Client Sample ID: HD-MW-3-0/1-0
Lab Sample ID: 410-190648-7

Date Collected: 09/30/24 14:25
Matrix: Water
Date Received: 10/02/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	559907	JS6E	ELLE	10/07/24 04:37

Client Sample ID: HD-MW-2-0/1-0
Lab Sample ID: 410-190648-8

Date Collected: 10/01/24 11:25
Matrix: Water
Date Received: 10/02/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	559907	JS6E	ELLE	10/07/24 04:56
Total/NA	Prep	9012B			562235	NLE3	ELLE	10/11/24 13:15 - 10/11/24 15:00 [1]
Total/NA	Analysis	9012B		1	563308	UJE2	ELLE	10/14/24 17:50
Total/NA	Prep	9010C			687172	VB	EET PEN	10/08/24 13:50
Total/NA	Analysis	9014		5	687552	VB	EET PEN	10/09/24 15:38
Total/NA	Analysis	OIA - 1677		1	481286	SNR	EET PIT	10/08/24 14:27

Client Sample ID: HD-MW-65S-0/1-0
Lab Sample ID: 410-190648-9

Date Collected: 10/01/24 12:15
Matrix: Water
Date Received: 10/02/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	559907	JS6E	ELLE	10/07/24 05:16

Client Sample ID: HD-QC2-0/1-2
Lab Sample ID: 410-190648-10

Date Collected: 09/30/24 00:00
Matrix: Water
Date Received: 10/02/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	559907	JS6E	ELLE	10/06/24 23:09

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

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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: Groundwater Sciences Corporation
Job ID: 410-190648-1
Project/Site: 2024 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	01-31-25

Laboratory: Eurofins Pensacola

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	68-00467	01-31-25

The following analytes are included in this report, but the laboratory is not certified by Pennsylvania NELAP 68-00467. This list may include analytes for which the agency does not offer certification:

Analysis Method	Prep Method	Matrix	Analyte
9014	9010C	Water	Cyanide, Amenable

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	19-033-0	06-28-25
California	State	2891	04-30-24 *
Connecticut	State	PH-0688	09-30-24 *
Florida	NELAP	E871008	06-30-25
Georgia	State	PA 02-00416	04-30-25
Illinois	NELAP	004375	07-31-25
Kansas	NELAP	E-10350	01-31-25
Kentucky (UST)	State	162013	04-30-25
Kentucky (WW)	State	KY98043	12-31-24
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-25
Maine	State	PA00164	03-06-26
Minnesota	NELAP	042-999-482	12-31-24
New Hampshire	NELAP	2030	04-04-25
New Jersey	NELAP	PA005	06-30-25
New York	NELAP	11182	04-01-25
North Carolina (WW/SW)	State	434	12-31-24
North Dakota	State	R-227	04-30-24 *
Oregon	NELAP	PA-2151	02-06-25
Pennsylvania	NELAP	02-00416	04-30-25
Rhode Island	State	LAO00362	01-01-25
South Carolina	State	89014	04-30-25
Texas	NELAP	T104704528	03-31-25
US Fish & Wildlife	US Federal Programs	058448	04-30-25
USDA	US Federal Programs	P330-16-00211	04-11-26

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

Laboratory: Eurofins Pittsburgh (Continued)

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

Authority	Program	Identification Number	Expiration Date
Utah	NELAP	PA001462024-14	05-31-25
Virginia	NELAP	10043	07-14-24 *
West Virginia DEP	State	142	01-31-25
Wisconsin	State	998027800	08-31-25

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

Method Summary

Client: Groundwater Sciences Corporation
Job ID: 410-190648-1
Project/Site: 2024 Comprehensive Sampling

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
9012B	Cyanide, Total andor Amenable	SW846	ELLE
9014	Cyanide	SW846	EET PEN
OIA - 1677	Available Cyanide by Flow Injection, Lig	EPA	EET PIT
5030C	Purge and Trap	SW846	ELLE
9010C	Cyanide, Distillation	SW846	EET PEN
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 PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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: Groundwater Sciences Corporation
Job ID: 410-190648-1
Project/Site: 2024 Comprehensive Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-190648-1	HD-MW-67D-0/1-0	Water	09/30/24 09:27	10/02/24 15:00
410-190648-2	HD-MW-67S-0/1-0	Water	10/01/24 08:50	10/02/24 15:00
410-190648-3	HD-CW-2-0/1-0	Water	10/01/24 13:05	10/02/24 15:00
410-190648-4	HD-MW-143D-0/1-0	Water	10/01/24 14:27	10/02/24 15:00
410-190648-5	HD-MW-12-0/1-0	Water	10/01/24 15:00	10/02/24 15:00
410-190648-6	HD-CW-1A-0/1-0	Water	09/30/24 13:00	10/02/24 15:00
410-190648-7	HD-MW-3-0/1-0	Water	09/30/24 14:25	10/02/24 15:00
410-190648-8	HD-MW-2-0/1-0	Water	10/01/24 11:25	10/02/24 15:00
410-190648-9	HD-MW-65S-0/1-0	Water	10/01/24 12:15	10/02/24 15:00
410-190648-10	HD-QC2-0/1-2	Water	09/30/24 00:00	10/02/24 15:00

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Instrument ID: 15830 Analysis Batch Number: 522257

Lab Sample ID: IC 410-522257/4 Client Sample ID:

Date Analyzed: 06/27/24 18:19 Lab File ID: FU27X06.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	1.18	Incomplete Integration	K4WN	06/27/24 21:56
n-Pentane	1.56	Incomplete Integration	K4WN	06/27/24 21:56
Acetone	1.89	Incomplete Integration	K4WN	06/27/24 21:57
Freon 113	1.90	Incomplete Integration	K4WN	06/27/24 21:57
2-Propanol	2.00	Incomplete Integration	K4WN	06/27/24 21:57
Carbon disulfide	2.02	Incomplete Integration	K4WN	06/27/24 21:57
Methyl acetate	2.14	Incomplete Integration	K4WN	06/27/24 21:57
Methyl tert-butyl ether	2.43	Incomplete Integration	K4WN	06/27/24 21:58
n-Hexane	2.66	Incomplete Integration	K4WN	06/27/24 21:58
2-Butanone (MEK)	3.24	Incomplete Integration	K4WN	06/27/24 21:58
2,2-Dichloropropane	3.26	Incomplete Integration	K4WN	06/27/24 21:58
Propionitrile	3.29	Incomplete Integration	K4WN	06/27/24 21:58
Cyclohexane	3.69	Incomplete Integration	K4WN	06/27/24 21:58
Carbon tetrachloride	3.75	Incomplete Integration	K4WN	06/27/24 21:58
Isobutyl alcohol	3.90	Incomplete Integration	K4WN	06/27/24 21:59

Lab Sample ID: IC 410-522257/5 Client Sample ID:

Date Analyzed: 06/27/24 18:47 Lab File ID: FU27X08.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	1.59	Incomplete Integration	K4WN	06/27/24 22:01
Acetone	1.89	Incomplete Integration	K4WN	06/27/24 22:01
2-Propanol	2.02	Incomplete Integration	K4WN	06/27/24 22:01
Carbon disulfide	2.03	Incomplete Integration	K4WN	06/27/24 22:01
Allyl chloride	2.12	Incomplete Integration	K4WN	06/27/24 22:02
2-Butanone (MEK)	3.24	Incomplete Integration	K4WN	06/27/24 22:02
Tetrahydrofuran	3.43	Incomplete Integration	K4WN	06/27/24 22:02
1,4-Dioxane	4.72	Incomplete Integration	K4WN	06/27/24 22:02

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Instrument ID: 15830 Analysis Batch Number: 522257

Lab Sample ID: IC 410-522257/6 Client Sample ID:

Date Analyzed: 06/27/24 19:16 Lab File ID: FU27X10.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.13	Incomplete Integration	K4WN	06/27/24 22:03
Acetone	1.89	Incomplete Integration	K4WN	06/27/24 22:03
2-Butanone (MEK)	3.23	Incomplete Integration	K4WN	06/27/24 22:04
1,4-Dioxane	4.72	Incomplete Integration	K4WN	06/27/24 22:04

Lab Sample ID: IC 410-522257/7 Client Sample ID:

Date Analyzed: 06/27/24 19:46 Lab File ID: FU27X12.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	1.59	Incomplete Integration	K4WN	06/27/24 22:05
Acetone	1.89	Incomplete Integration	K4WN	06/27/24 22:05
2-Propanol	2.00	Incomplete Integration	K4WN	06/27/24 22:05
2-Butanone (MEK)	3.23	Incomplete Integration	K4WN	06/27/24 22:13
1,4-Dioxane	4.72	Incomplete Integration	K4WN	06/27/24 22:06

Lab Sample ID: ICIS 410-522257/8 Client Sample ID:

Date Analyzed: 06/27/24 20:14 Lab File ID: FU27X14.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.12	Incomplete Integration	K4WN	06/27/24 22:07
1,4-Dioxane	4.72	Incomplete Integration	K4WN	06/27/24 22:07

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Instrument ID: 15830 Analysis Batch Number: 522257

Lab Sample ID: IC 410-522257/9 Client Sample ID:

Date Analyzed: 06/27/24 20:44 Lab File ID: FU27X16.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.13	Incomplete Integration	K4WN	06/27/24 22:07
Trichlorofluoromethane	1.58	Incomplete Integration	K4WN	06/27/24 22:08
1,4-Dioxane	4.73	Incomplete Integration	K4WN	06/27/24 22:08

Lab Sample ID: IC 410-522257/10 Client Sample ID:

Date Analyzed: 06/27/24 21:13 Lab File ID: FU27X18.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	2.04	Incomplete Integration	K4WN	06/27/24 22:09
1,4-Dioxane	4.72	Incomplete Integration	K4WN	06/27/24 22:09

Lab Sample ID: ICV 410-522257/12 Client Sample ID:

Date Analyzed: 06/27/24 22:11 Lab File ID: FU27X22.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.12	Incomplete Integration	K4WN	06/27/24 22:50
Trichlorofluoromethane	1.57	Incomplete Integration	K4WN	06/27/24 22:50
2-Propanol	1.99	Incomplete Integration	K4WN	06/27/24 22:51
Methyl acetate	2.12	Incomplete Integration	K4WN	06/27/24 22:51
1,4-Dioxane	4.73	Incomplete Integration	K4WN	06/27/24 22:51

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Instrument ID: 15830 Analysis Batch Number: 559907

Lab Sample ID: CCVIS 410-559907/3 Client Sample ID:

Date Analyzed: 10/06/24 21:14 Lab File ID: FC06X52.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.14	Split Peak	UKEK	10/07/24 15:08
Trichlorofluoromethane	1.60	Incomplete Integration	JS6E	10/06/24 21:42
2-Propanol	2.01	Incomplete Integration	JS6E	10/06/24 21:42
Methyl acetate	2.12	Incomplete Integration	JS6E	10/06/24 21:43
2-Butanone (MEK)	3.24	Incomplete Integration	JS6E	10/06/24 21:43
Propionitrile	3.28	Incomplete Integration	JS6E	10/06/24 21:44
Methacrylonitrile	3.40	Incomplete Integration	JS6E	10/06/24 21:44
Tetrahydrofuran	3.43	Incomplete Integration	JS6E	10/06/24 21:44
1,4-Dioxane	4.71	Split Peak	JS6E	10/06/24 21:45

Lab Sample ID: LCS 410-559907/4 Client Sample ID:

Date Analyzed: 10/06/24 21:33 Lab File ID: FC06X53.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.12	Split Peak	EV4P	10/07/24 15:33
Carbon disulfide	2.05	Incomplete Integration	JS6E	10/06/24 21:49

Lab Sample ID: LCSD 410-559907/5 Client Sample ID:

Date Analyzed: 10/06/24 21:52 Lab File ID: FC06X54.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.14	Split Peak	JS6E	10/06/24 22:11
Carbon disulfide	2.06	Incomplete Integration	JS6E	10/06/24 22:12
2-Butanone (MEK)	3.22	Incomplete Integration	JS6E	10/06/24 22:13

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Instrument ID: 15830 Analysis Batch Number: 559907

Lab Sample ID: MB 410-559907/7 Client Sample ID:

Date Analyzed: 10/06/24 22:30 Lab File ID: FC06X56.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone (MIBK)		Invalid Compound ID	JS6E	10/06/24 23:30

Lab Sample ID: 410-190648-10 Client Sample ID: HD-QC2-0/1-2

Date Analyzed: 10/06/24 23:09 Lab File ID: FC06X58.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone (MIBK)		Invalid Compound ID	EV4P	10/07/24 15:36

Lab Sample ID: 410-190648-1 Client Sample ID: HD-MW-67D-0/1-0

Date Analyzed: 10/07/24 02:42 Lab File ID: FC06X69.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone (MIBK)		Invalid Compound ID	EV4P	10/07/24 15:46

Lab Sample ID: 410-190648-2 Client Sample ID: HD-MW-67S-0/1-0

Date Analyzed: 10/07/24 03:01 Lab File ID: FC06X70.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	4.45	Incomplete Integration	EV4P	10/07/24 15:46
4-Methyl-2-pentanone (MIBK)		Invalid Compound ID	EV4P	10/07/24 15:47

Lab Sample ID: 410-190648-3 Client Sample ID: HD-CW-2-0/1-0

Date Analyzed: 10/07/24 03:20 Lab File ID: FC06X71.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone (MIBK)		Invalid Compound ID	EV4P	10/07/24 15:47

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Instrument ID: 15830 Analysis Batch Number: 559907

Lab Sample ID: 410-190648-4 Client Sample ID: HD-MW-143D-0/1-0

Date Analyzed: 10/07/24 03:39 Lab File ID: FC06X72.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone (MIBK)		Invalid Compound ID	EV4P	10/07/24 15:48

Lab Sample ID: 410-190648-5 Client Sample ID: HD-MW-12-0/1-0

Date Analyzed: 10/07/24 03:58 Lab File ID: FC06X73.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone (MIBK)		Invalid Compound ID	EV4P	10/07/24 15:48

Lab Sample ID: 410-190648-6 Client Sample ID: HD-CW-1A-0/1-0

Date Analyzed: 10/07/24 04:18 Lab File ID: FC06X74.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone (MIBK)		Invalid Compound ID	EV4P	10/07/24 15:50

Lab Sample ID: 410-190648-7 Client Sample ID: HD-MW-3-0/1-0

Date Analyzed: 10/07/24 04:37 Lab File ID: FC06X75.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone (MIBK)		Invalid Compound ID	DVW2	10/07/24 14:25

Lab Sample ID: 410-190648-8 Client Sample ID: HD-MW-2-0/1-0

Date Analyzed: 10/07/24 04:56 Lab File ID: FC06X76.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	DVW2	10/07/24 14:25
4-Methyl-2-pentanone (MIBK)		Invalid Compound ID	DVW2	10/07/24 14:25

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Instrument ID: 15830 Analysis Batch Number: 559907

Lab Sample ID: 410-190648-9 Client Sample ID: HD-MW-65S-0/1-0

Date Analyzed: 10/07/24 05:16 Lab File ID: FC06X77.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone (MIBK)		Invalid Compound ID	DVW2	10/07/24 14:26
Trichloroethene		Invalid Compound ID	DVW2	10/07/24 14:26

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_4ppb_Wkly_00003	07/04/24	06/27/24	DI Water, Lot DI 24115	1000 mL	MSV_CCV_2CEVE_00181	4 uL	2-Chloroethyl vinyl ether	4 ug/L
					MSV_CCV_GASES_00816	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_00189	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
							cis-1,3-Dichloropropene	4 ug/L
							Dibromochloromethane	4 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Methylcyclohexane	4 ug/L
							n-Butanol	50 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00185	3.2 uL	Acrolein	40.087 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_CCV_2CEVE_00181	07/23/24	06/23/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00186	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00186	04/30/26		Restek, Lot A0197472		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_GASES_00816	07/04/24		Restek, Lot A0212054		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MSV_CCV_VOC#1_00189	07/23/24	06/23/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00185	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00180	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00185	07/23/24		Restek, Lot A0197556		(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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00180	07/23/24		Restek, Lot A0197578		(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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00185	07/23/24	06/23/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00021	0.5 mL	Acrolein	12527.2 ug/mL
					MSV_V_Ketones_00169	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_00021	08/10/24	06/11/24	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00041	9.393 mL	Acrolein	125272 ug/mL
...MSV_VACR_STK_00041	08/10/24	06/11/24	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00034	1.4356 g	Acrolein	133367 ug/mL
....MSV_ACROLEIN_00034	01/31/25	Chem Service, Lot 15004000			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00169	01/31/26	Restek, Lot A0193494			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_CCV_2CEVE_00181	07/23/24	06/23/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00186	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
.MSV_V_2CLEVE_00186	04/30/26	Restek, Lot A0197472			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_GASES_00816	07/04/24	Restek, Lot A0212054			(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_GASES_00869	10/11/24	Restek, Lot A0212054			(Purchased Reagent)		Bromomethane	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_VOC#1_00189	07/23/24	06/23/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00185	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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00180	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,4-Dichloro-2-butene	2500 ug/mL
.MSV_MegaMIX#1_00185	07/23/24		Restek, Lot A0197556		(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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00180	07/23/24		Restek, Lot A0197578		(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
							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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_CCV_VOC#1_00203	10/30/24	09/30/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00200	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
							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_00193	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_MegaMIX#1_00200	05/31/27		Restek, Lot A00211483		(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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00193	05/31/27		Restek, Lot A0212010		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
MSV_CCV_VOC#3_00185	07/23/24	06/23/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00021	0.5 mL	Acrolein	12527.2 ug/mL
					MSV_V_Ketones_00169	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_00021	08/10/24	06/11/24	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00041	9.393 mL	Acrolein	125272 ug/mL
..MSV_VACR_STK_00041	08/10/24	06/11/24	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00034	1.4356 g	Acrolein	133367 ug/mL
...MSV_ACROLEIN_00034	01/31/25		Chem Service, Lot 15004000		(Purchased Reagent)		Acrolein	0.929 g/g
.MSV_V_Ketones_00169	01/31/26		Restek, Lot A0193494		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_CCV_VOC#3_00200	10/30/24	09/30/24	Methanol, Lot EH471	5 mL	MSV_V_Ketones_00200	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_00200	04/30/27		Restek, Lot A0210935		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_Cent_ISSS_00027	09/18/24	03/18/24	Methanol, Lot EH822	50 mL	MSV_8260_SS_01046	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_00789	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_01046	10/31/28		Restek, Lot A0203162		(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_00789	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_Cent_ISSS_00031	03/09/25	09/09/24	Methanol, Lot EH822-US	50 mL	MSV_Cus826_IS_00797	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_00797	04/30/26		Restek, Lot A0197488		(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_00031	03/09/25	09/09/24	Methanol, Lot EH822-US	50 mL	MSV_8260_SS_01287	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_01287	04/30/29		Restek, Lot A0209669		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MSV_LCS_Gases_00218	10/07/24	09/30/24	Methanol, Lot EH471	25 mL	MSV_QC_2K_GAS_00240	0.5 mL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00240	10/07/24		Restek, Lot A0184924		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LCS_VOC#1_00173	07/23/24	06/23/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00211	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00203	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00184	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_00211	06/30/26		Restek, Lot A0198667		(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_00203	04/30/26		Restek, Lot A0197573		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00184	04/30/25		Restek, Lot A0194631		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00187	10/30/24	09/30/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00228	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
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00226	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00223	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_00228	05/31/27		Restek, Lot A0211284		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00226	05/31/27		Restek, Lot A0212017		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00223	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_00221	06/30/24		Restek, Lot A0184924		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_V_BFB_00017							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							divinyl benzene	
							Tentatively Identified Compound	
							Total BTEX	
							Total Diethylbenzene	
							Xylenes, Total	
					MSV_VBFB_STK_00012	0.09 mL	BFB	50.112 ug/mL
.MSV_VBFB_STK_00012	12/02/24	06/02/24	Methanol, Lot EH471	10 mL	MSV_4BFB_NEAT_00011	1.392 g	BFB	139200 ug/mL
..MSV_4BFB_NEAT_00011	05/31/25		Chem Service, Lot 15267000		(Purchased Reagent)		BFB	1 g/g
WC-PR20mg/lQC_01226	10/12/24	10/11/24	Sodium Hyroxide, Lot in house	25 mL	WC_FL_CNVeriS_00039	0.5 mL	Cyanide, Amenable	20 mg/L
							Cyanide, Available	20 mg/L
							Cyanide, Free	20 mg/L
							Cyanide, Non-amenable	20 mg/L
							Cyanide, Reactive	20 mg/L
							Cyanide, Total	20 mg/L
							Cyanide, Weak Acid Dissociable	20 mg/L
							Potassium hydroxide	0.04 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.WC_FL_CNVeriS_00039	11/30/24	ricca, Lot 1405J81			(Purchased Reagent)		Cyanide, Amenable	1000 mg/L
							Cyanide, Available	1000 mg/L
							Cyanide, Free	1000 mg/L
							Cyanide, Non-amenable	1000 mg/L
							Cyanide, Reactive	1000 mg/L
							Cyanide, Total	1000 mg/L
							Cyanide, Weak Acid Dissociable	1000 mg/L
							Potassium hydroxide	2 mg/L
WC_FL_CCVCN_00775	10/16/24	10/14/24	Sodium Hyroxide, Lot 31238	100 mL	WC_FL_Q_10 CN_00766	2 mL	Cyanide, Total	0.2 mg/L
.WC_FL_Q_10 CN_00766	10/16/24	10/14/24	NaOH, Lot 13347	50 mL	WC_FL_CNVeriS_00039	0.5 mL	Cyanide, Total	10 mg/L
..WC_FL_CNVeriS_00039	11/30/24	ricca, Lot 1405J81			(Purchased Reagent)		Cyanide, Total	1000 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pensacola Job No.: 410-190648-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
CN-CCV-I_00826	10/14/24	10/07/24	0.025N NaOH, Lot NA	100 mL	CN-CCV-S_00030	1 mL	Cyanide, Amenable	10 mg/L
.CN-CCV-S_00030	11/17/25	Inorganic Ventures, Lot U2-CN738589			(Purchased Reagent)		Cyanide, Amenable	1000 mg/L
CNLCSINT_00056	10/14/24	10/07/24	DI, Lot NA	100 mL	CN-LCS-S_00032	0.05 mL	Cyanide, Amenable	0.381 mg/L
							Cyanide, Total	0.381 mg/L
.CN-LCS-S_00032	12/21/25	ERA, Lot 371222m			(Purchased Reagent)		Cyanide, Amenable	762 mg/L
							Cyanide, Total	762 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Pittsburgh Job No.: 410-190648-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
WAvCN 50 ICV_00864	10/08/24	10/07/24	DI Water, Lot N/A	250 mL	WAvCN10Si_00808	1.25 mL	Cyanide, Available	50.0022 ppb
.WAvCN10Si_00808	10/23/24	04/23/24	DI Water, Lot DI Water	100 mL	WKCN_1000_Sec_00013	1 mL	Cyanide, Available	10.0004 mg/L
..WKCN_1000_Sec_00013	10/23/24	04/23/24	DI Water, Lot 3427834	250 mL	WKCN_ACS_00001	0.6257 g	Cyanide, Available	1000.04 mg/L
...WKCN_ACS_00001	12/19/24	Sigma-Aldrich, Lot MKCL4998			(Purchased Reagent)		Cyanide, Available	0.39957 g/g
WAvCN 50LCS_00803	10/09/24	10/08/24	DI Water, Lot N/A	250 mL	WHg210Pi_00857	1.25 mL	Cyanide, Available	50.058 ppb
.WHg210Pi_00857	10/23/24	04/23/24	DI Water, Lot DI water	100 mL	WHg2CN1000P_00054	1 mL	Cyanide, Available	10011.6 ug/L
..WHg2CN1000P_00054	10/23/24	04/23/24	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_00949	10/08/24	10/07/24	DI Water, Lot NA	500 mL	WAvCN10Pi_00830	2.5 mL	Cyanide, Available	50.0022 ug/L
.WAvCN10Pi_00830	10/23/24	04/23/24	DI Water, Lot DI Water	100 mL	WKCN_1000_Pri_00012	1 mL	Cyanide, Available	10000.4 ug/L
..WKCN_1000_Pri_00012	10/23/24	04/23/24	DI Water, Lot 3427834	250 mL	WKCN_ACS_P_00001	0.6257 g	Cyanide, Available	1000.04 mg/L
...WKCN_ACS_P_00001	05/01/25	Fisher Alfa Aesar, Lot N26G004			(Purchased Reagent)		Cyanide, Available	0.39957 g/g

Reagent

MSV_CCV_GASES_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

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Gases Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

Quality Confirmation Test

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

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

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

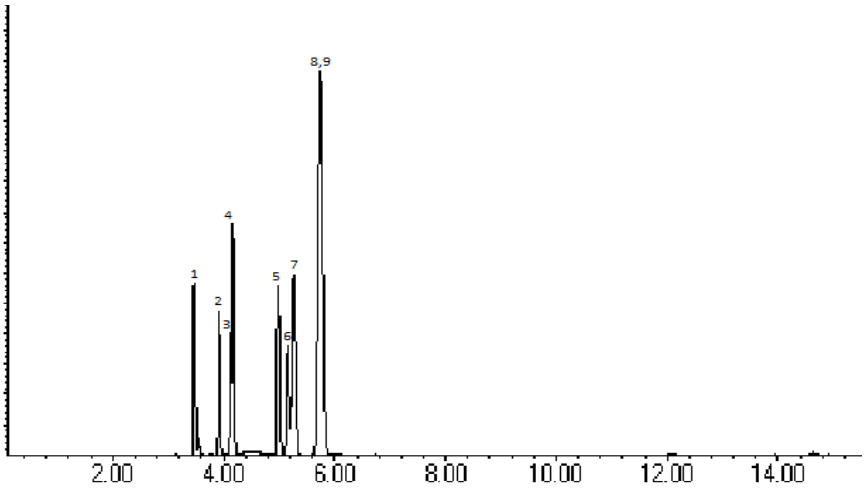
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



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

Brittany Federinko - Operations Tech I

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

Dillan Murphy - Operations Technician I

Date Passed: 03-Jun-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Cus826_IS_00797

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. : 558267 **Lot No.:** A0197488

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 : 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	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,587.5 µg/mL	+/- 156.5745
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,510.5 µg/mL	+/- 31.2436
3	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,507.0 µg/mL	+/- 31.2001
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,515.0 µg/mL	+/- 31.2996

* 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.)

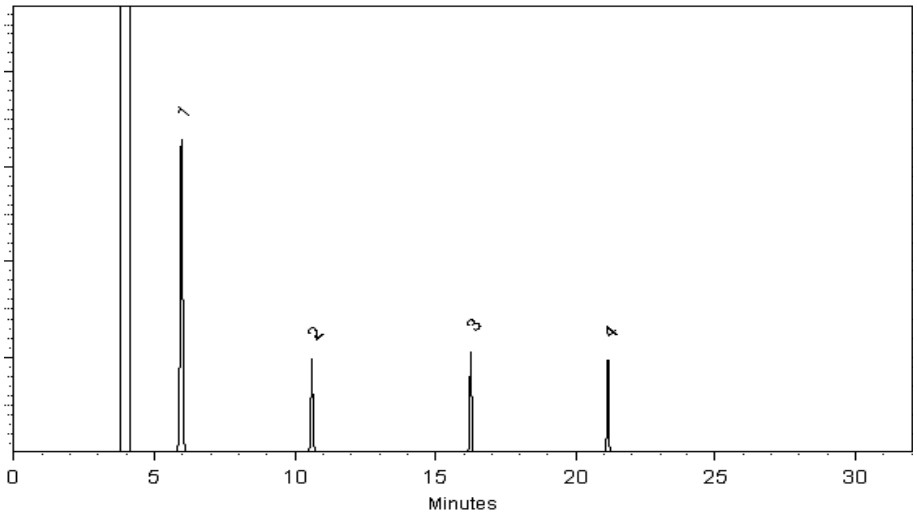
Inj. Temp:
200°C

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.

Daniel Wasson - Operations Tech I

Date Mixed: 26-Apr-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX1SEC_00211

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. : 577493 **Lot No.:** A0198667

Description : Custom VOC MegaMix®.SEC #1 Standard

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

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

Expiration Date : June 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	1,1-Dichloroethene	75-35-4.SEC	13896500	99%	1,004.5 µg/mL	+/- 57.0049
2	Methylene chloride (dichloromethane)	75-09-2.SEC	FGM02	99%	1,004.4 µg/mL	+/- 56.9992
3	trans-1,2-Dichloroethene	156-60-5.SEC	L5QOH	99%	1,003.9 µg/mL	+/- 56.9751
4	1,1-Dichloroethane	75-34-3.SEC	1026.30-3	98%	1,006.0 µg/mL	+/- 57.0953
5	2,2-Dichloropropane	594-20-7.SEC	I7E8E	99%	1,005.2 µg/mL	+/- 57.0474
6	cis-1,2-Dichloroethene	156-59-2.SEC	YZO5O	99%	1,004.3 µg/mL	+/- 56.9952
7	Chloroform	67-66-3.SEC	1297547	99%	1,003.9 µg/mL	+/- 56.9736
8	Bromochloromethane	74-97-5.SEC	13547000	99%	1,004.4 µg/mL	+/- 57.0043
9	1,1,1-Trichloroethane	71-55-6.SEC	14183000	99%	1,005.0 µg/mL	+/- 57.0375
10	1,1-Dichloropropene	563-58-6.SEC	556500	99%	1,003.8 µg/mL	+/- 56.9691
11	Carbon tetrachloride	56-23-5.SEC	11466	99%	1,003.9 µg/mL	+/- 56.9751
12	1,2-Dichloroethane	107-06-2.SEC	00016165	99%	1,003.1 µg/mL	+/- 56.9268
13	Benzene	71-43-2.SEC	B28Y008	99%	1,005.0 µg/mL	+/- 57.0361
14	Trichloroethene	79-01-6.SEC	H04X050	99%	1,003.3 µg/mL	+/- 56.9410
15	1,2-Dichloropropane	78-87-5.SEC	ERRBI-RH	99%	1,003.7 µg/mL	+/- 56.9609
16	Bromodichloromethane	75-27-4.SEC	28128	99%	1,004.8 µg/mL	+/- 57.0261

17	Dibromomethane	74-95-3.SEC	MOKKJ	99%	1,004.5	µg/mL	+/- 57.0100
18	cis-1,3-Dichloropropene	10061-01-5.SEC	487OA	98%	1,004.8	µg/mL	+/- 57.0258
19	Toluene	108-88-3.SEC	YND2B-BD	99%	1,004.1	µg/mL	+/- 56.9839
20	trans-1,3-Dichloropropene	10061-02-6.SEC	ZDMSL	98%	1,006.1	µg/mL	+/- 57.0995
21	1,1,2-Trichloroethane	79-00-5.SEC	13547100	99%	1,003.8	µg/mL	+/- 56.9680
22	1,3-Dichloropropane	142-28-9.SEC	IQCON	99%	1,003.6	µg/mL	+/- 56.9544
23	Tetrachloroethene	127-18-4.SEC	F09W014	99%	1,003.9	µg/mL	+/- 56.9736
24	Dibromochloromethane	124-48-1.SEC	10234064	99%	1,003.9	µg/mL	+/- 56.9708
25	1,2-Dibromoethane (EDB)	106-93-4.SEC	050675P15E	99%	1,003.7	µg/mL	+/- 56.9646
26	Chlorobenzene	108-90-7.SEC	1161936	99%	1,004.0	µg/mL	+/- 56.9793
27	1,1,1,2-Tetrachloroethane	630-20-6.SEC	13789800	99%	1,003.4	µg/mL	+/- 56.9430
28	Ethylbenzene	100-41-4.SEC	XO5UA	99%	1,004.6	µg/mL	+/- 57.0111
29	m-Xylene	108-38-3.SEC	7ZV6F	99%	1,004.8	µg/mL	+/- 57.0225
30	p-Xylene	106-42-3.SEC	D6UOA	99%	1,004.6	µg/mL	+/- 57.0134
31	o-Xylene	95-47-6.SEC	UJ6RI	99%	1,005.4	µg/mL	+/- 57.0576
32	Styrene	100-42-5.SEC	QGQ7F	99%	1,003.8	µg/mL	+/- 56.9680
33	Isopropylbenzene (cumene)	98-82-8.SEC	7P24L	99%	1,005.3	µg/mL	+/- 57.0531
34	Bromoform	75-25-2.SEC	13723500	99%	1,003.9	µg/mL	+/- 56.9751
35	1,1,2,2-Tetrachloroethane	79-34-5.SEC	BCCD5088	99%	1,003.8	µg/mL	+/- 56.9680
36	1,2,3-Trichloropropane	96-18-4.SEC	6V2ED	99%	1,003.2	µg/mL	+/- 56.9339
37	n-Propylbenzene	103-65-1.SEC	XCGEC	99%	1,004.1	µg/mL	+/- 56.9861
38	Bromobenzene	108-86-1.SEC	8DKWJ	99%	1,004.2	µg/mL	+/- 56.9929
39	1,3,5-Trimethylbenzene	108-67-8.SEC	GI2SM	99%	1,004.3	µg/mL	+/- 56.9986
40	2-Chlorotoluene	95-49-8.SEC	BRHPM	99%	1,003.7	µg/mL	+/- 56.9612
41	4-Chlorotoluene	106-43-4.SEC	S5SKD	99%	1,004.6	µg/mL	+/- 57.0134
42	tert-Butylbenzene	98-06-6.SEC	D6OHC	99%	1,004.4	µg/mL	+/- 56.9998
43	1,2,4-Trimethylbenzene	95-63-6.SEC	JHZDD	99%	1,004.6	µg/mL	+/- 57.0111
44	sec-Butylbenzene	135-98-8.SEC	O4HRF	99%	1,005.1	µg/mL	+/- 57.0429
45	4-Isopropyltoluene (p-cymene)	99-87-6.SEC	13889300	98%	1,004.1	µg/mL	+/- 56.9877
46	1,3-Dichlorobenzene	541-73-1.SEC	ZA2ZI	99%	1,003.6	µg/mL	+/- 56.9580
47	1,4-Dichlorobenzene	106-46-7.SEC	J5GVD	99%	1,005.3	µg/mL	+/- 57.0517
48	n-Butylbenzene	104-51-8.SEC	MMPGA	99%	1,005.4	µg/mL	+/- 57.0599
49	1,2-Dichlorobenzene	95-50-1.SEC	R6QDM	99%	1,004.0	µg/mL	+/- 56.9779
50	1,2-Dibromo-3-chloropropane	96-12-8.SEC	Q135-105	99%	1,004.2	µg/mL	+/- 56.9929
51	1,2,4-Trichlorobenzene	120-82-1.SEC	3LYYC	99%	1,004.6	µg/mL	+/- 57.0145
52	Hexachlorobutadiene	87-68-3.SEC	13889400	97%	1,004.2	µg/mL	+/- 56.9930

53	Naphthalene	91-20-3.SEC	AM5NG	99%	1,002.7	µg/mL	+/- 56.9055
54	1,2,3-Trichlorobenzene	87-61-6.SEC	A0043055	99%	1,004.6	µg/mL	+/- 57.0156

* 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.)

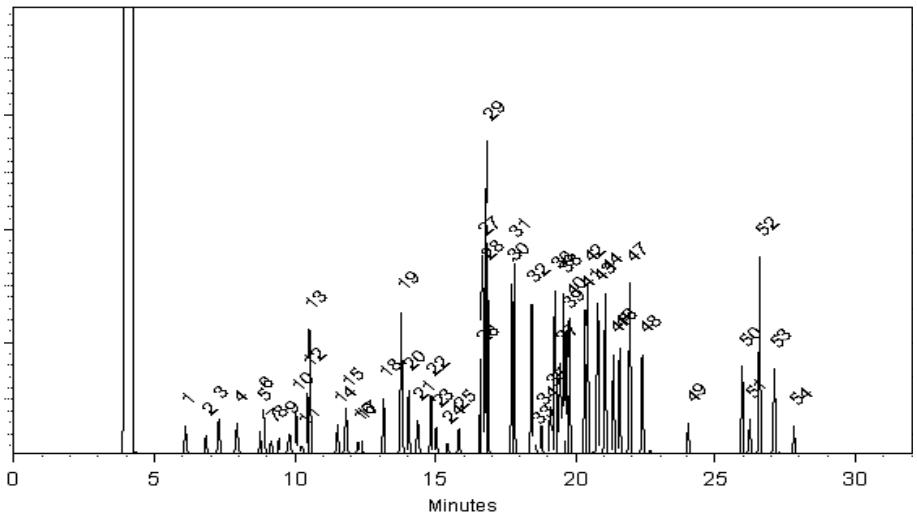
Inj. Temp:
200°C

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.

Jess Hoy - Operations Tech I

Date Mixed: 02-Jun-2023 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Jun-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_M_MIX2SEC_00203

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. : 577494 **Lot No.:** A0197573

Description : Custom VOC MegaMix®.SEC #2 Standard

Custom VOC MegaMix®.SEC #2 Standard 1,000-50,000µg/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	n-Pentane (C5)	109-66-0.SEC	FGH02	99%	1,006.7 µg/mL	+/- 16.4916
2	2-Propanol (isopropanol)	67-63-0.SEC	7B8ZE	99%	7,533.3 µg/mL	+/- 123.1844
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1.SEC	18342	99%	1,004.0 µg/mL	+/- 16.4479
4	tert-Butanol (TBA)	75-65-0.SEC	DI34O	99%	10,066.7 µg/mL	+/- 164.6093
5	Methyl acetate	79-20-9.SEC	LV27M	99%	1,006.0 µg/mL	+/- 16.4807
6	Iodomethane (methyl iodide)	74-88-4.SEC	Y25A027	99%	1,003.3 µg/mL	+/- 16.4370
7	Allyl chloride (3-chloropropene)	107-05-1.SEC	RD210329	99%	1,006.0 µg/mL	+/- 16.4807
8	Carbon disulfide	75-15-0.SEC	MKBL1376V	99%	1,002.7 µg/mL	+/- 16.4260
9	Acrylonitrile	107-13-1.SEC	V54AD	99%	5,030.0 µg/mL	+/- 82.2742
10	Methyl-tert-butyl ether (MTBE)	1634-04-4.SEC	CDCQG	99%	1,007.3 µg/mL	+/- 16.5025
11	n-Hexane (C6)	110-54-3.SEC	10188491	99%	1,009.3 µg/mL	+/- 16.5353
12	Diisopropyl ether (DIPE)	108-20-3.SEC	LL7TN-SH	99%	1,005.3 µg/mL	+/- 16.4697
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S230420RSR	99%	1,005.3 µg/mL	+/- 16.4697
14	Ethyl-tert-butyl ether (ETBE)	637-92-3.SEC	UCI5B	98%	1,006.8 µg/mL	+/- 16.4935
15	Propionitrile	107-12-0.SEC	B4ZPC	99%	7,542.0 µg/mL	+/- 123.3262
16	Methacrylonitrile	126-98-7	1012014	99%	7,562.0 µg/mL	+/- 123.6532

17	Isobutanol (2-Methyl-1-propanol)	78-83-1.SEC	YNG3K	99%	25,096.0	µg/mL	+/- 410.3677
18	Tetrahydrofuran	109-99-9.SEC	3NYHE	99%	5,033.3	µg/mL	+/- 82.3287
19	Cyclohexane	110-82-7.SEC	YADRA	99%	1,005.3	µg/mL	+/- 16.4697
20	1-Butanol	71-36-3.SEC	RSHAH	99%	50,062.7	µg/mL	+/- 818.6206
21	tert-Amyl methyl ether (TAME)	994-05-8.SEC	12075100	98%	1,005.8	µg/mL	+/- 16.4775
22	n-Heptane (C7)	142-82-5.SEC	TFHUC	99%	1,002.0	µg/mL	+/- 16.4151
23	tert-Amyl ethyl ether (TAEE)	919-94-8.SEC	11370700	99%	1,005.3	µg/mL	+/- 16.4697
24	Methylcyclohexane	108-87-2.SEC	Q02QG	99%	1,008.7	µg/mL	+/- 16.5243
25	Methyl methacrylate	80-62-6.SEC	G01X021	99%	1,003.3	µg/mL	+/- 16.4370
26	1,4-Dioxane	123-91-1.SEC	QHRWO	99%	25,144.0	µg/mL	+/- 411.1526
27	2-Nitropropane	79-46-9.SEC	F43IA	99%	1,003.3	µg/mL	+/- 16.4370
28	Ethyl methacrylate	97-63-2.SEC	AQSPO	99%	1,003.3	µg/mL	+/- 16.4370
29	1-Chlorohexane	544-10-5.SEC	13075400	99%	1,002.0	µg/mL	+/- 16.4151
30	trans-1,4-Dichloro-2-butene	110-57-6.SEC	RD230316RSR	96%	5,033.0	µg/mL	+/- 82.3226
31	1,2,3-Trimethylbenzene	526-73-8.SEC	13921700	98%	1,007.4	µg/mL	+/- 16.5042
32	1,3-Diethylbenzene	141-93-5.SEC	113566-1	99%	1,000.7	µg/mL	+/- 16.3933
33	Benzyl chloride	100-44-7.SEC	H29N03	99%	1,002.0	µg/mL	+/- 16.4151
34	1,4-Diethylbenzene	105-05-5.SEC	FBQ02	98%	1,004.8	µg/mL	+/- 16.4614
35	1,2-Diethylbenzene	135-01-3.SEC	BCBF3667V	99%	1,001.3	µg/mL	+/- 16.4042
36	1,3,5-Trichlorobenzene	108-70-3.SEC	I28U021	99%	1,007.5	µg/mL	+/- 16.5058
37	2-Methylnaphthalene	91-57-6.SEC	76023-1	99%	1,003.3	µg/mL	+/- 16.4370

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 30 psi

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

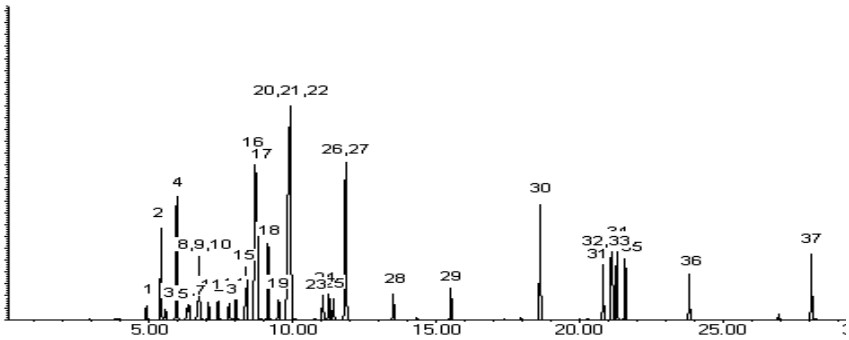
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



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

Bryan Snyder - Operations Tech I

Date Mixed: 30-Apr-2023 **Balance Serial #** 1128342314

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 19-Jun-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_MegaMIX#1_00185

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. : 577486 **Lot No.:** A0197556

Description : Custom VOC MegaMix® #1 Standard

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

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

Expiration Date : 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	1,1-dichloroethene	75-35-4	SHBL4758	99%	5,031.3 µg/mL	+/- 283.3780
2	Methylene chloride (dichloromethane)	75-09-2	SHBP1417	99%	5,034.6 µg/mL	+/- 283.5646
3	trans-1,2-Dichloroethene	156-60-5	MKBH9850V	99%	5,035.6 µg/mL	+/- 283.6244
4	1,1-Dichloroethane	75-34-3	760200	99%	5,025.8 µg/mL	+/- 283.0682
5	2,2-Dichloropropane	594-20-7	RD220812	99%	5,043.3 µg/mL	+/- 284.0782
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.7 µg/mL	+/- 284.4387
7	chloroform	67-66-3	SHBN8469	99%	5,026.5 µg/mL	+/- 283.1105
8	Bromochloromethane	74-97-5	230206JLM	99%	5,043.8 µg/mL	+/- 284.1063
9	1,1,1-trichloroethane	71-55-6	RD230130RSR	99%	5,017.8 µg/mL	+/- 282.6176
10	1,1-Dichloropropene	563-58-6	230131JLM	99%	5,043.1 µg/mL	+/- 284.0669
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,031.8 µg/mL	+/- 283.4062
12	1,2-Dichloroethane	107-06-2	SHBQ0693	99%	5,041.9 µg/mL	+/- 283.9799
13	Benzene	71-43-2	SHBM3620	99%	5,044.9 µg/mL	+/- 284.1683
14	Trichloroethene	79-01-6	SHBN3720	99%	5,031.3 µg/mL	+/- 283.3780
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,036.8 µg/mL	+/- 283.6878
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,023.9 µg/mL	+/- 282.9661

17	Dibromomethane	74-95-3	10233302	99%	5,047.7	µg/mL	+/-	284.3260
18	cis-1,3-Dichloropropene	10061-01-5	RD221227RSRB	99%	5,027.8	µg/mL	+/-	283.1844
19	Toluene	108-88-3	ED097-US	99%	5,047.6	µg/mL	+/-	284.3204
20	trans-1,3-Dichloropropene	10061-02-6	RD220228A	98%	5,026.1	µg/mL	+/-	283.0852
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,037.6	µg/mL	+/-	283.7335
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,042.5	µg/mL	+/-	284.0331
23	Tetrachloroethene	127-18-4	SHBJ7422	99%	5,031.8	µg/mL	+/-	283.4097
24	dibromochloromethane	124-48-1	MKCM8659	99%	5,024.5	µg/mL	+/-	282.9978
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,044.2	µg/mL	+/-	284.1289
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,022.1	µg/mL	+/-	282.8605
27	1,1,1,2-Tetrachloroethane	630-20-6	GC01	99%	5,043.6	µg/mL	+/-	284.0951
28	Ethylbenzene	100-41-4	094632L21G	99%	5,045.6	µg/mL	+/-	284.2077
29	m-Xylene	108-38-3	Q13G020	99%	5,048.8	µg/mL	+/-	284.3880
30	p-Xylene	106-42-3	10234437	99%	5,045.7	µg/mL	+/-	284.2134
31	o-Xylene	95-47-6	SHBN5105	98%	5,038.2	µg/mL	+/-	283.7898
32	Styrene	100-42-5	MKCQ3390	99%	5,041.8	µg/mL	+/-	283.9937
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,047.5	µg/mL	+/-	284.3148
34	bromoform	75-25-2	MKCR0680	99%	5,030.8	µg/mL	+/-	283.3533
35	1,1,2,2-Tetrachloroethane	79-34-5	OXACF	99%	5,031.6	µg/mL	+/-	283.3956
36	1,2,3-Trichloropropane	96-18-4	332900	99%	5,044.1	µg/mL	+/-	284.1232
37	n-Propylbenzene	103-65-1	G08M	98%	5,049.5	µg/mL	+/-	284.4246
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,044.6	µg/mL	+/-	284.1514
39	1,3,5-Trimethylbenzene	108-67-8	BCCF4166	99%	5,049.4	µg/mL	+/-	284.4218
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,044.5	µg/mL	+/-	284.1458
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,045.5	µg/mL	+/-	284.2021
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.9	µg/mL	+/-	284.3373
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,047.3	µg/mL	+/-	284.3035
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,046.3	µg/mL	+/-	284.2472
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCR6143	99%	5,045.8	µg/mL	+/-	284.2190
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,036.8	µg/mL	+/-	283.6878
47	1,4-Dichlorobenzene	106-46-7	MKBS4401V	99%	5,037.8	µg/mL	+/-	283.7476
48	n-Butylbenzene	104-51-8	09804AE	99%	5,049.1	µg/mL	+/-	284.4049
49	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	5,030.9	µg/mL	+/-	283.3604
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,047.8	µg/mL	+/-	284.3307
51	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	5,046.6	µg/mL	+/-	284.2641
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,045.1	µg/mL	+/-	284.1796

53	Naphthalene	91-20-3	MKCH0219	99%	5,029.9	µg/mL	+/-	283.3234
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,045.3	µg/mL	+/-	284.1908

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

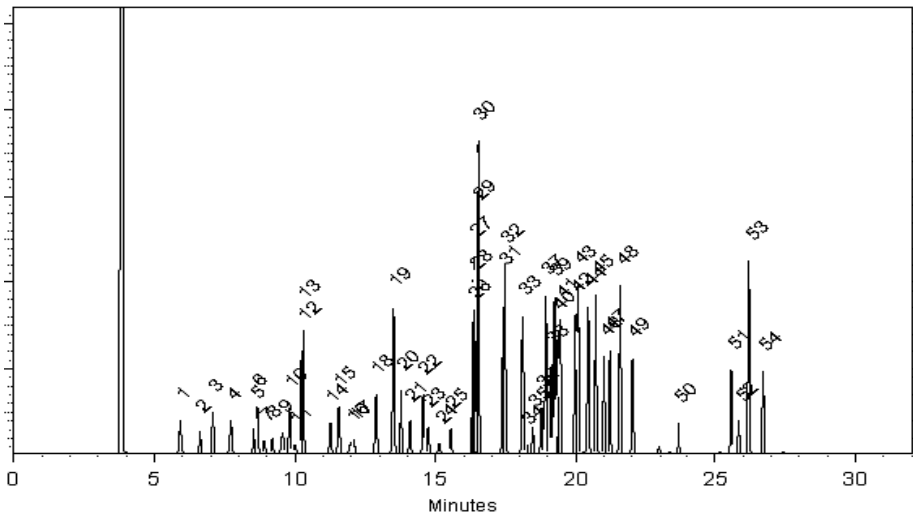
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Nick Yaw - Operations Tech I

Date Mixed: 28-Apr-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 05-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_MegaMIX#1_00200

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

Description : Custom VOC MegaMix® #1 Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

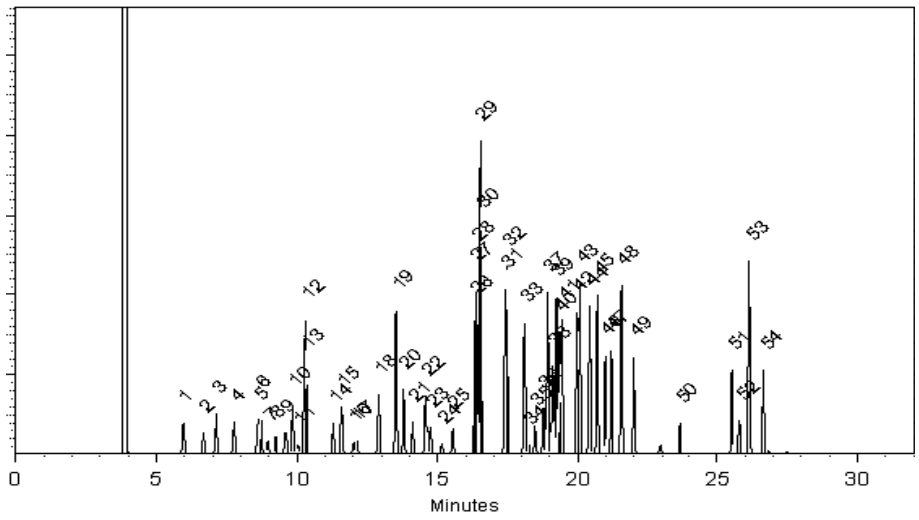
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Russ Bookhamer - Operations Technician I

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMix#2_00180

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577487 **Lot No.:** A0197578

Description : Custom VOC MegaMix® #2 Standard

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

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

Expiration Date : 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	n-Pentane (C5)	109-66-0	SHBQ0917	99%	5,046.5 µg/mL	+/- 85.0489
2	2-Propanol (isopropanol)	67-63-0	SHBP6610	99%	25,172.0 µg/mL	+/- 411.6105
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00018685	99%	5,025.7 µg/mL	+/- 84.6978
4	tert-Butanol (TBA)	75-65-0	101619K21F-1	99%	25,170.0 µg/mL	+/- 411.5778
5	Methyl acetate	79-20-9	SHBP3100	99%	5,020.2 µg/mL	+/- 84.6051
6	Iodomethane (methyl iodide)	74-88-4	MKCN8012	99%	5,022.3 µg/mL	+/- 84.6416
7	Allyl chloride (3-chloropropene)	107-05-1	RD221118RSR	99%	5,038.8 µg/mL	+/- 84.9197
8	Carbon disulfide	75-15-0	N28F701	99%	5,028.2 µg/mL	+/- 84.7399
9	Acrylonitrile	107-13-1	102466R02E	99%	12,532.0 µg/mL	+/- 204.9222
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBP0179	99%	5,044.2 µg/mL	+/- 85.0096
11	n-Hexane (C6)	110-54-3	STBG6381	99%	5,016.0 µg/mL	+/- 84.5349
12	Diisopropyl ether (DIPE)	108-20-3	STBK3450	99%	5,043.0 µg/mL	+/- 84.9899
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S230420RSR	99%	5,037.3 µg/mL	+/- 84.8944
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCP5997	99%	5,034.8 µg/mL	+/- 84.8523
15	Propionitrile	107-12-0	BCCH7430	99%	25,000.0 µg/mL	+/- 408.7979
16	Methacrylonitrile	126-98-7	1012014	99%	12,520.0 µg/mL	+/- 204.7260

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBP7066	99%	62,545.0	µg/mL	+/-	1,022.7307
18	Tetrahydrofuran	109-99-9	SHBQ0910	99%	25,024.0	µg/mL	+/-	409.1904
19	Cyclohexane	110-82-7	MKCQ2001	99%	5,039.5	µg/mL	+/-	84.9309
20	1-Butanol	71-36-3	101601K21K	99%	62,664.0	µg/mL	+/-	1,024.6765
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,021.8	µg/mL	+/-	84.6332
22	n-Heptane (C7)	142-82-5	044743N07T	99%	5,041.5	µg/mL	+/-	84.9646
23	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	5,049.3	µg/mL	+/-	85.0967
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,028.0	µg/mL	+/-	84.7371
25	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,012.3	µg/mL	+/-	84.4731
26	1,4-Dioxane	123-91-1	SHBN3770	99%	62,583.0	µg/mL	+/-	1,023.3520
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,024.1	µg/mL	+/-	409.1914
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,040.1	µg/mL	+/-	84.9414
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,046.3	µg/mL	+/-	85.0461
30	trans-1,4-dichloro-2-butene	110-57-6	RD221227RSRA	94%	12,618.6	µg/mL	+/-	206.3376
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-36	98%	5,002.6	µg/mL	+/-	84.3086
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,041.0	µg/mL	+/-	84.9562
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,045.3	µg/mL	+/-	85.0292
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,032.7	µg/mL	+/-	84.8158
35	1,2-Diethylbenzene	135-01-3	ECH2970181	99%	5,015.3	µg/mL	+/-	84.5236
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,003.8	µg/mL	+/-	84.3298
37	2-Methylnaphthalene	91-57-6	STBK0259	96%	5,002.4	µg/mL	+/-	84.3057

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 30 psi

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

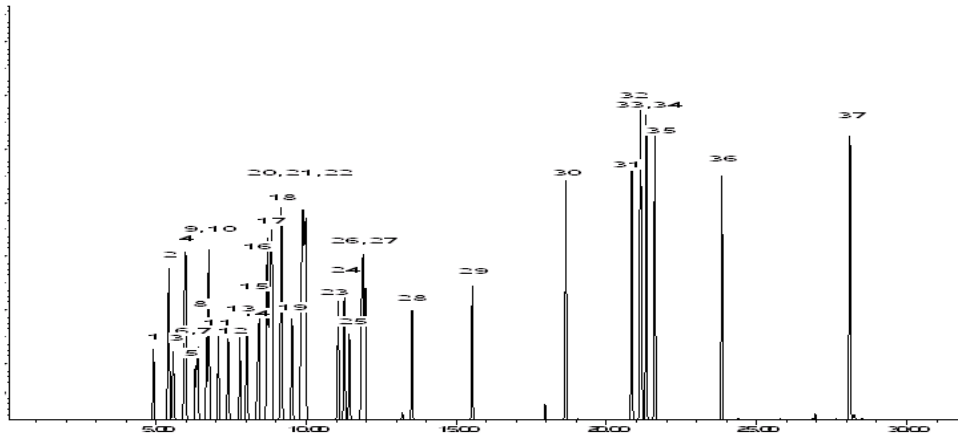
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



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

Sam Moodler - Operations Tech I

Date Mixed: 30-Apr-2023 **Balance Serial #** B251644995

Marlina Cowan -- Operations Tech II ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMix#2_00193

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

Description : Custom VOC MegaMix® #2 Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 30 psi

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

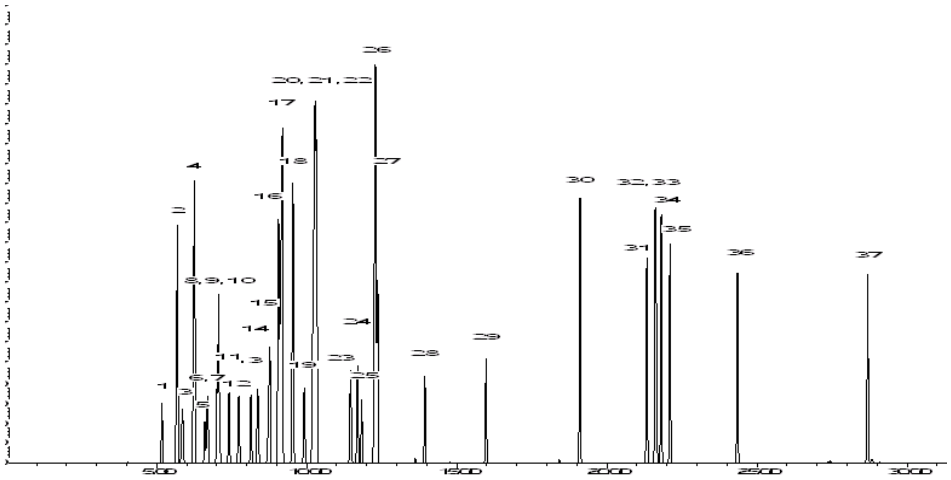
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



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

Brittany Federinko - Operations Tech I

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

Marlina Cowan -- Operations Tech II ARM QC

Date Passed: 30-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Q_Ketones_00184

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CERTIFIED REFERENCE MATERIAL

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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. : 569721.SEC **Lot No.:** A0194631

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

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

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

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1.SEC	S25F025	99%	12,530.8 µg/mL	+/- 433.0935
2	2-Butanone (MEK)	78-93-3.SEC	HDLUO	99%	12,522.8 µg/mL	+/- 432.8170
3	4-Methyl-2-pentanone (MIBK)	108-10-1.SEC	E29T040	99%	12,555.6 µg/mL	+/- 433.9507
4	2-Hexanone	591-78-6.SEC	Y3TUO	99%	12,580.4 µg/mL	+/- 434.8078

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

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

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

Purity 99%

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

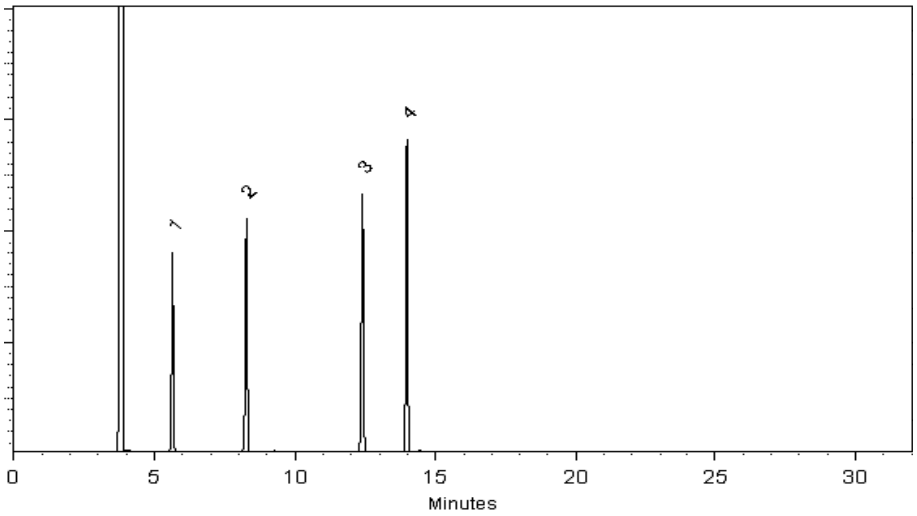
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Bryan Snyder - Operations Tech I

Date Mixed: 14-Feb-2023 **Balance Serial #** 1128342314

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Feb-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_Q_Ketones_00223

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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569721.SEC **Lot No.:** A0209876

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

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1.SEC	U19I024	99%	12,580.0 µg/mL	+/- 434.7940
2	2-Butanone (MEK)	78-93-3.SEC	HDLUO	99%	12,611.6 µg/mL	+/- 435.8862
3	4-Methyl-2-pentanone (MIBK)	108-10-1.SEC	E29T040	99%	12,576.4 µg/mL	+/- 434.6696
4	2-Hexanone	591-78-6.SEC	NXXXA	99%	12,574.8 µg/mL	+/- 434.6143

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

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

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

Purity 99%

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

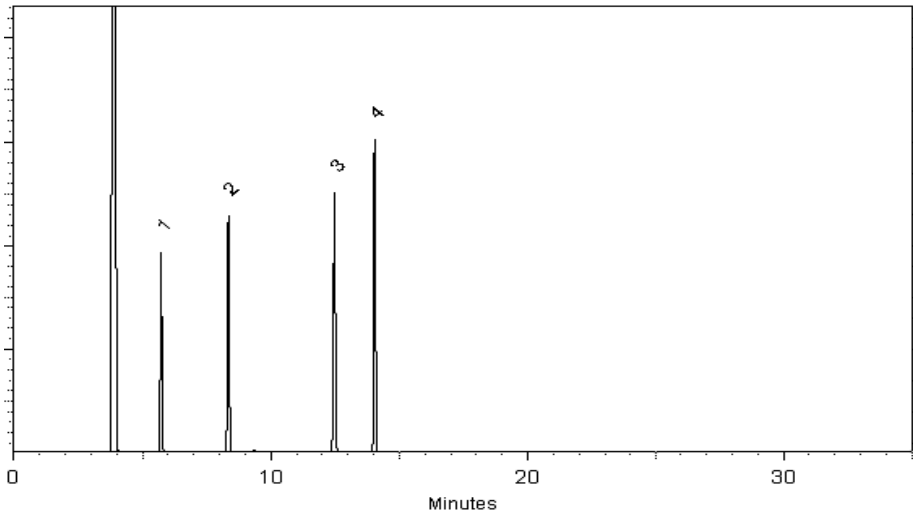
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Ethan Winiarski - Operations Tech I

Date Mixed: 05-Apr-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Apr-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00221

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488.SEC **Lot No.:** A0184924

Description : Custom Gases.SEC Standard

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

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

Expiration Date : May 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12)	2,000.3 µg/mL	+/- 17.8749 µg/mL	Gravimetric
	CAS # 75-71-8.SEC (Lot 27545)		+/- 112.9722 µg/mL	Unstressed
	Purity 99%		+/- 115.5779 µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,002.3 µg/mL	+/- 19.9305 µg/mL	Gravimetric
	CAS # 74-87-3.SEC (Lot 18343)		+/- 113.4254 µg/mL	Unstressed
	Purity 99%		+/- 116.0260 µg/mL	Stressed
3	Vinyl chloride	2,002.4 µg/mL	+/- 21.8874 µg/mL	Gravimetric
	CAS # 75-01-4.SEC (Lot MKBK6872V)		+/- 113.7916 µg/mL	Unstressed
	Purity 99%		+/- 116.3843 µg/mL	Stressed
4	1,3-Butadiene	2,003.4 µg/mL	+/- 24.0683 µg/mL	Gravimetric
	CAS # 106-99-0.SEC (Lot 26996)		+/- 114.2862 µg/mL	Unstressed
	Purity 99%		+/- 116.8705 µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,007.9 µg/mL	+/- 17.0860 µg/mL	Gravimetric
	CAS # 74-83-9.SEC (Lot 00017022)		+/- 113.2712 µg/mL	Unstressed
	Purity 99%		+/- 115.8898 µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,002.2 µg/mL	+/- 20.1773 µg/mL	Gravimetric
	CAS # 75-00-3.SEC (Lot 00004202)		+/- 113.4619 µg/mL	Unstressed
	Purity 98%		+/- 116.0614 µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,000.0 µg/mL	+/- 11.7371 µg/mL	Gravimetric
	CAS # 75-43-4 * (Lot 12841600)		+/- 112.1494 µg/mL	Unstressed
	Purity 99%		+/- 114.7730 µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)		2,000.0	µg/mL	+/-	11.7371	µg/mL	Gravimetric
	CAS # 75-69-4.SEC	(Lot 00010739)			+/-	112.1494	µg/mL	Unstressed
	Purity 99%				+/-	114.7730	µg/mL	Stressed
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)		2,000.5	µg/mL	+/-	25.4843	µg/mL	Gravimetric
	CAS # 354-23-4 *	(Lot Q9B-64)			+/-	114.4324	µg/mL	Unstressed
	Purity 99%				+/-	117.0060	µg/mL	Stressed

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

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

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

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

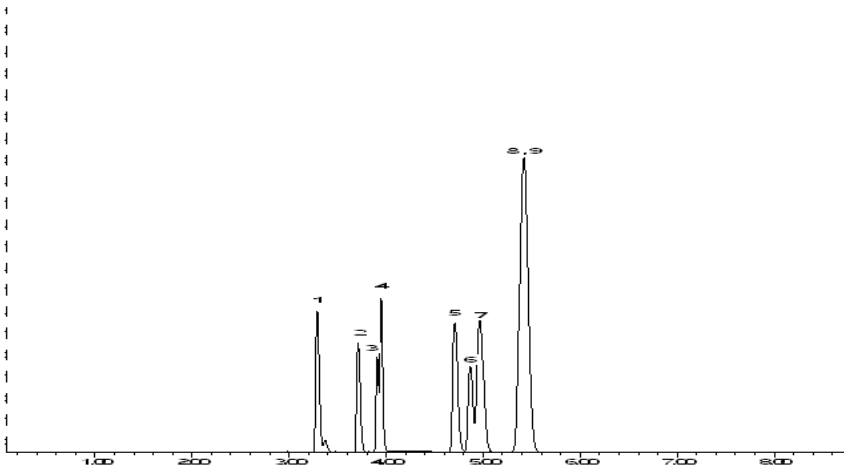
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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.

Brandon Reish - Mix Technician

Date Mixed: 05-May-2022 **Balance:** 1127510105

Marlina Cowan - Operations Tech I

Date Passed: 10-May-2022

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 combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules 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 ampules. 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.

Reagent

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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488.SEC **Lot No.:** A0184924

Description : Custom Gases.SEC Standard

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

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

Expiration Date : May 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12)	2,000.3 µg/mL	+/- 17.8749 µg/mL	Gravimetric
	CAS # 75-71-8.SEC (Lot 27545)		+/- 112.9722 µg/mL	Unstressed
	Purity 99%		+/- 115.5779 µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,002.3 µg/mL	+/- 19.9305 µg/mL	Gravimetric
	CAS # 74-87-3.SEC (Lot 18343)		+/- 113.4254 µg/mL	Unstressed
	Purity 99%		+/- 116.0260 µg/mL	Stressed
3	Vinyl chloride	2,002.4 µg/mL	+/- 21.8874 µg/mL	Gravimetric
	CAS # 75-01-4.SEC (Lot MKBK6872V)		+/- 113.7916 µg/mL	Unstressed
	Purity 99%		+/- 116.3843 µg/mL	Stressed
4	1,3-Butadiene	2,003.4 µg/mL	+/- 24.0683 µg/mL	Gravimetric
	CAS # 106-99-0.SEC (Lot 26996)		+/- 114.2862 µg/mL	Unstressed
	Purity 99%		+/- 116.8705 µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,007.9 µg/mL	+/- 17.0860 µg/mL	Gravimetric
	CAS # 74-83-9.SEC (Lot 00017022)		+/- 113.2712 µg/mL	Unstressed
	Purity 99%		+/- 115.8898 µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,002.2 µg/mL	+/- 20.1773 µg/mL	Gravimetric
	CAS # 75-00-3.SEC (Lot 00004202)		+/- 113.4619 µg/mL	Unstressed
	Purity 98%		+/- 116.0614 µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,000.0 µg/mL	+/- 11.7371 µg/mL	Gravimetric
	CAS # 75-43-4 * (Lot 12841600)		+/- 112.1494 µg/mL	Unstressed
	Purity 99%		+/- 114.7730 µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)		2,000.0	µg/mL	+/-	11.7371	µg/mL	Gravimetric
	CAS # 75-69-4.SEC	(Lot 00010739)			+/-	112.1494	µg/mL	Unstressed
	Purity 99%				+/-	114.7730	µg/mL	Stressed
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)		2,000.5	µg/mL	+/-	25.4843	µg/mL	Gravimetric
	CAS # 354-23-4 *	(Lot Q9B-64)			+/-	114.4324	µg/mL	Unstressed
	Purity 99%				+/-	117.0060	µg/mL	Stressed

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

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

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

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

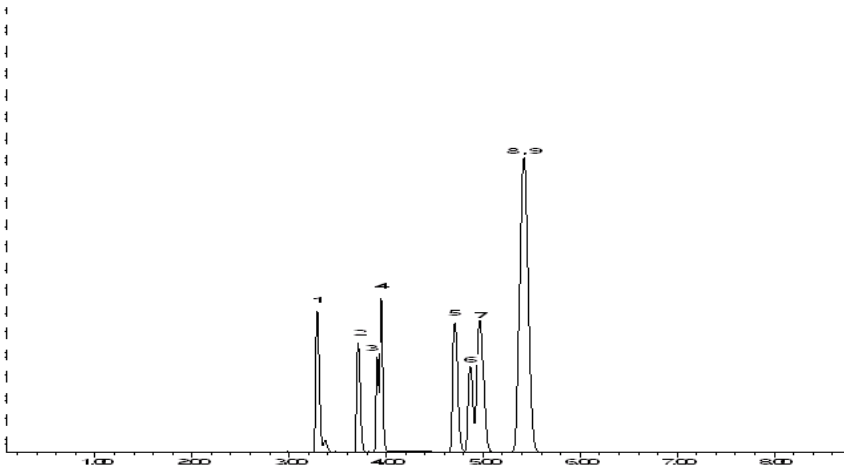
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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.

Brandon Reish - Mix Technician

Date Mixed: 05-May-2022 **Balance:** 1127510105

Marlina Cowan - Operations Tech I

Date Passed: 10-May-2022

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 combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules 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 ampules. 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.

Reagent

MSV_V_2CLEVE_00186

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577492 **Lot No.:** A0197472

Description : Custom 2-CEVE Standard

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

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

Expiration Date : 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	2-Chloroethyl vinyl ether	110-75-8	MKBS6526V	99%	5,040.0 µg/mL	+/- 62.7237

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

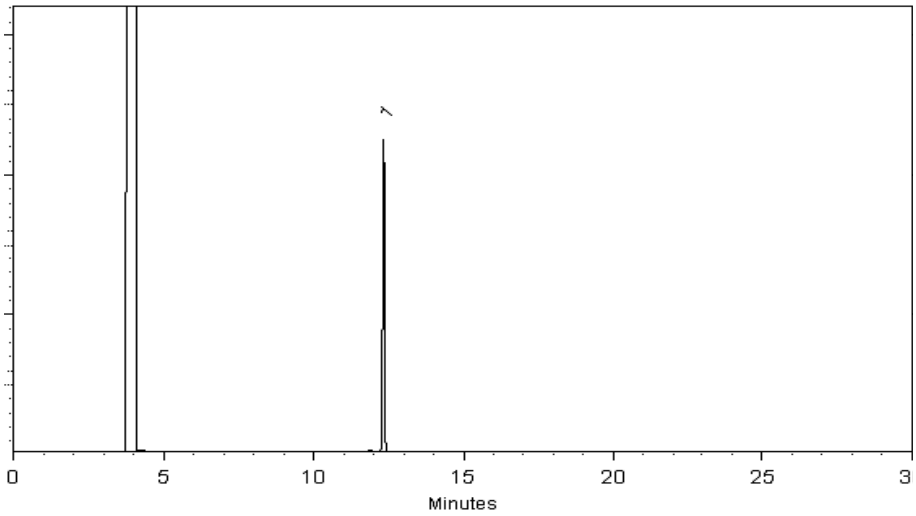
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Russ Bookhamer - Operations Technician I

Date Mixed: 26-Apr-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-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_Ketones_00169

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CERTIFIED REFERENCE MATERIAL

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

Purity 99%

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

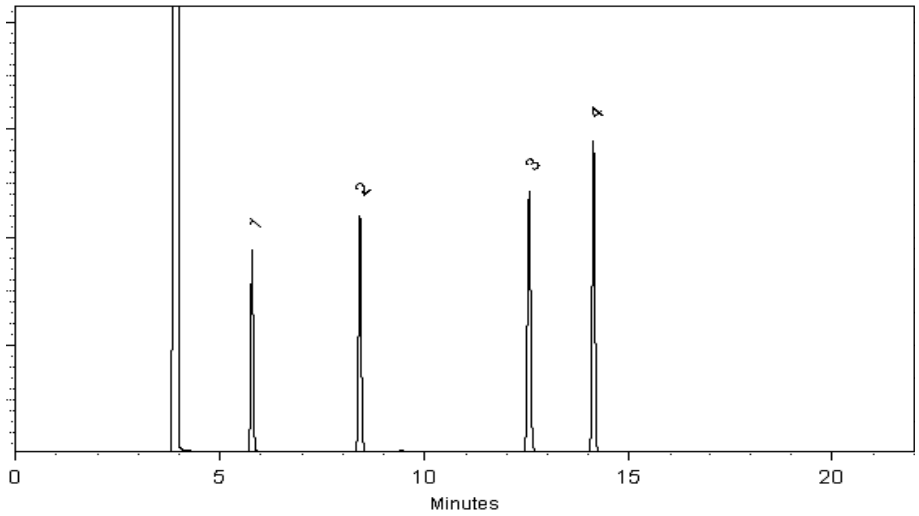
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Bethany Lowery - Operations Tech I

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

Christie Mills - Operations Tech II - ARM QC

Date Passed: 16-Jan-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_Ketones_00200

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

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

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

Purity 99%

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

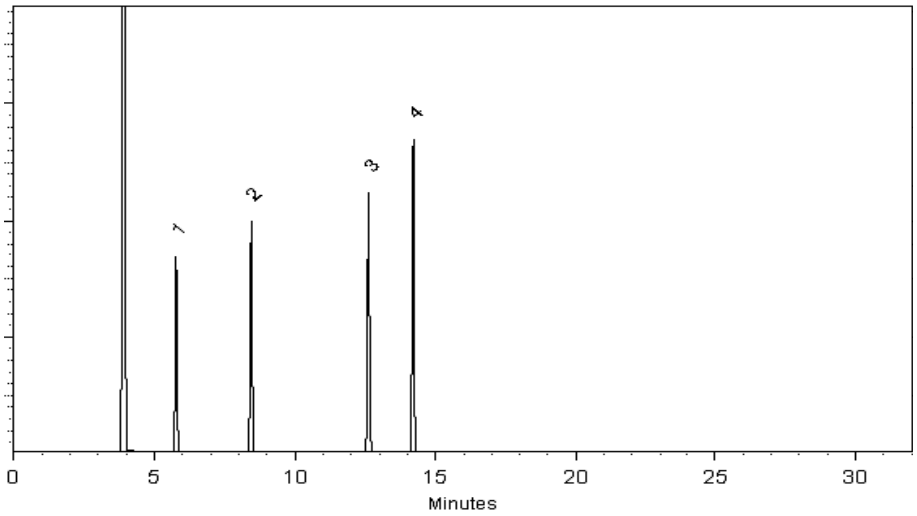
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Stacey Wanner - Operations Technician I

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

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

WC_FL_CNVeriS_00039

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: 1405J81 **Product Number:** 2543

Manufacture Date: MAY 20, 2024
Expiration Date: NOV 2024

This standard is prepared using accurate volumetric techniques from material that has been assayed against Silver Nitrate solution certified 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
Potassium Cyanide	151-50-8	ACS
Sodium Hydroxide	1310-73-2	Reagent

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)

Heidi J Green (05/20/2024)
Operations Manager

Reagent

CN-CCV-S_00030

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories." Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	**Water QC Reference Material**
Catalog Number:	CN-1000-25
Lot Number:	U2-CN738589
Matrix:	H_2O
Starting Material:	NaCN
Starting Material Lot #:	00426KR

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value:	1000 ± 20 µg/mL
Density:	0.999 g/mL (measured at 20 ± 4˚C)
Assay Information:	
Assay Method #1	1000 ± 2 µg/mL
	Titrimetric Method, NIST SRM 3151, Lot Number 160729

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two Methods

Certified Value, $X_{CRM/RM}$, where two methods of characterization are used is the weighted mean of the two results:

$X_{CRM/RM} = [(w_a)(X_a) + (w_b)(X_b)]$

X_a = mean of Assay Method A with standard uncertainty $u_{char\ a}$
X_b = mean of Assay Method B with standard uncertainty $u_{char\ b}$
w_a and w_b = the weighting factors for each method calculated using the inverse square of the variance:
$w_a = (1/u_{char\ a})^2 / ((1/u_{char\ a})^2 + (1/u_{char\ b})^2))$
$w_b = (1/u_{char\ b})^2 / ((1/u_{char\ a})^2 + (1/u_{char\ b})^2))$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a\&b} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2 in all cases at Inorganic Ventures

$u_{char\ a\&b} = [(w_a)^2 (u_{char\ a})^2 + (w_b)^2 (u_{char\ b})^2]^{½}$ where $u_{char\ a}$ and $u_{char\ b}$ are the square root of the sum of the squares of errors from characterization which include instrument measurement, density, NIST SRM uncertainty, weighing, and volume

u_{bb} = bottle to bottle homogeneity standard uncertainty
u_{lts} = long term stability standard uncertainty (storage)
u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM}$ = mean of Assay Method A with standard uncertainty $u_{char\ a}$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2 in all cases at Inorganic Ventures

$u_{char\ a}$ = square root of the sum of the squares of the errors from characterization which include instrumental measurement, density, NIST SRM uncertainty, weighing, and volume

u_{bb} = bottle to bottle homogeneity standard uncertainty
u_{lts} = long term stability standard uncertainty (storage)
u_{ts} = transport stability standard uncertainty

No correction has been applied for transpiration that will occur after the CRM/RM bottle has been removed from the sealed aluminized bag. See Section 7.0 (Instructions for the Correct Use of this Reference Material) for more information.

4.0 TRACEABILITY TO NIST

-This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution

errors. In rare cases where no NIST SRM/RM are available, the term “in-house std.” is specified.

4.1 Thermometer Calibration

-All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

-All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

-An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL) - N/A

6.0 INTENDED USE

-For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

-For optimum conditions, this product should be frozen before opening. If this is not possible, then it should be stored at 4°C. Bring to room temperature and shake well before using to ensure the homogeneity of the solution. EPA method 335.4 recommends that the prepared sample (See Sec. 7.2) be analyzed within 14 days and stored at 4°C.

-While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur. It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

-After opening the sealed TCT bag keep cap tightly sealed when not in use. Do not pipette from the container. Do not return removed aliquots to container.

-For more information, visit **www.inorganicventures.com/TCT**.

7.2 Preparation Instructions

Carefully open the container and transfer solution to a clean, dry glass or plastic container for pipetting. If following EPA method 335.4, preserve any diluted solutions to pH of ≥12 with NaOH.

8.0 HAZARDOUS INFORMATION

-Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

-This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 “General Requirements for the Competence of Testing and Calibration Laboratories”

-Chemical Testing – Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

-Reference Material Producer – Accredited / A2LA Certificate Number 883.02

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

November 17, 2023

-The certification is valid within the measurement uncertainty specified, provided the CRM/RM is stored and handled in accordance with instructions given in Section 7.1. This certification is nullified if instructions in Section 7.1 are not followed or if the CRM/RM is damaged, contaminated or otherwise modified.

11.2 Period of Validity

-Sealed TCT Bag Open Date: _____

-This CRM/RM should not be used longer than one year from the date of opening the sealed TCT bag or after the date given in Section 11.3, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instruction given in Section 7.1.

11.3 Lot Expiration Date

November 17, 2025

-The date after which this CRM/RM should not be used (See Section 11.2)

-The lot expiration date reflects the period of time the stability of a CRM/RM can be supported by long-term stability studies conducted on properly stored and handled CRM/RMs.

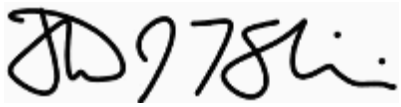
12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Custom Processing Supervisor

Certificate Approved By:

Thomas Kozikowski
Stock VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

CN-LCS-S_00032

ERA
A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Total Cyanide QC Plus
Catalog Number: 4093
Lot No: 371222m
Certificate Issue Date: January 12, 2023
Expiration Date: December 21, 2025
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #4093 revision 090119

CERTIFICATION

Parameter	Certified Value[1]	Uncertainty[2]	QC Performance Acceptance Limits[3]
	mg/L	%	mg/L
Total Cyanide	3.81	4.91	2.92 - 4.65

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[4]	n	SRM Number	Recovery
	mg/L	mg/L	%			%
Total Cyanide	3.81	3.75	98.5	5	-	-

ERA

A Waters Company

Instructions for Catalog # 4093
QC Plus – Total Cyanide

Revision 092310

Description:

- This standard is packaged in a 15 mL glass screw-top vial containing approximately 14 mL of standard concentrate.
- This concentrate is preserved with approximately 0.5% NaOH.
- The concentrate can be stored at room temperature.
- This product is intended to be used as a quality control check of the entire analytical process for the analytes/matrix included in the standard.
- The diluted standard will contain Total Cyanide in the range of 1.00 to 5.00 mg/L.

Helpful Hints:

- This standard has been prepared as a concentrate and must be diluted prior to analysis.
- The diluted standard must be analyzed for total cyanide.
- This standard should be analyzed as soon as possible after the concentrate is diluted.

Instructions:

1. Add 100-200 mL of deionized water and approximately 1 to 2 mL of 50% sodium hydroxide to a clean 1000 mL class A volumetric flask.
2. Shake the QC Plus – Total Cyanide vial prior to opening.
3. Using a clean, dry, class A pipet, volumetrically pipet 5.0 mL of the concentrate into the 1000 mL volumetric flask.
4. Dilute the flask to final volume with deionized water.
5. Cap the flask and mix well.
6. Immediately analyze the diluted sample by your normal procedures.
7. Report your results as mg/L for the diluted sample.

Safety:

ERA products may be hazardous and are intended for use by professional laboratory personnel trained in the competent handling of such materials. Responsibility for the safe use of these products rests entirely with the buyer and/or user. Material Safety Data Sheets (MSDS) for all ERA products are available by calling 1-800-372-0122.

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%

This document has been electronically generated and does not require a signature.

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_00001

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:
Potassium cyanide - ACS reagent, ≥96.0%


3683317
ID: WKCN_ACS_00001
Exp:12/19/24 Prpd:CMR Opn:04/30/20
KCN for total, av, free

Product Number:	**207810**
Batch Number:	**MKCL4998**
Brand:	SIGALD
CAS Number:	151-50-8
MDL Number:	MFCD00011397
Formula:	CKN
Formula Weight:	65.12 g/mol
Quality Release Date:	19 DEC 2019

KCN

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form) Granular Powder	Conforms to Requirements	Powder
Titration by AgNO3	≥ 96.0 %	99.9 %
ICP Major Analysis Confirms K Component	Confirmed	Confirmed
Iron (Fe)	≤ 0.03 %	< 0.01 %
Sodium (Na)	≤ 0.5 %	< 0.0 %
Lead (Pb)	≤ 2 ppm	< 2 ppm
Chloride Content	≤ 0.5 %	< 0.5 %
Phosphate (PO4)	≤ 0.005 %	< 0.005 %
Thiocyanate	Pass	Pass
Sulfide (S)	≤ 0.003 %	< 0.003 %
Sulfate (SO4)	≤ 0.04 %	< 0.04 %
Meets ACS Requirements	Current ACS Specification	Conforms

Michael Grady, Manager
Quality Control
Milwaukee, WI US

Reagent

WKCN_ACS_P_00001

ThermoFisher SCIENTIFIC

Certificate of Analysis


3686848
ID: WKCN_ACS_P_00001
Exp:05/01/25 Prpd:CMR Opn:05/01/20
KCN for total, av, free.

Product No.: 12136

Product: Potassium cyanide, ACS, 96.0% min

Lot No.: N26G004

Test	Limits	Results
Purity	96.0 % min	98.8 %
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

Sample Container Check Report

Client: Groundwater Sciences Corporation
Job ID: 410-190648-1
Project/Site: 2024 Comprehensive Sampling

Sample Container Checks and Verifications

Lab Sample ID: 410-190648-8
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
A	pH Check	U6AA	10/04/2024 08:58	>12	>12	N/A	N/A	N/A	N/A	N/A
A	Chlorine Check	U6AA	10/04/2024 08:58	N	N/A	N/A	N/A	N/A	N/A	N/A
A	Sulfide Check	U6AA	10/04/2024 08:58	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.: 410-190648-1

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-67D-0/1-0	410-190648-1	106	106	100	101
HD-MW-67S-0/1-0	410-190648-2	110	110	100	101
HD-CW-2-0/1-0	410-190648-3	110	113	100	104
HD-MW-143D-0/1-0	410-190648-4	109	108	98	100
HD-MW-12-0/1-0	410-190648-5	110	114	101	102
HD-CW-1A-0/1-0	410-190648-6	111	110	98	101
HD-MW-3-0/1-0	410-190648-7	112	111	98	100
HD-MW-2-0/1-0	410-190648-8	109	108	99	101
HD-MW-65S-0/1-0	410-190648-9	109	109	100	101
HD-QC2-0/1-2	410-190648-10	108	110	99	101
	MB 410-559907/7	106	106	100	102
	LCS 410-559907/4	104	105	103	101
	LCSD 410-559907/5	99	103	106	99

	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.: 410-190648-1

SDG No.:

Matrix: Water Level: Low Lab File ID: FC06X53.D

Lab ID: LCS 410-559907/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	21.2	106	79-120	
1,1,1-Trichloroethane	20.0	18.1	91	73-120	
1,1,2,2-Tetrachloroethane	20.0	20.6	103	72-120	
1,1,2-Trichloroethane	20.0	19.9	99	80-120	
1,1-Dichloroethane	20.0	19.8	99	80-120	
1,1-Dichloroethene	20.0	18.3	92	80-131	
1,2-Dibromoethane (EDB)	20.0	19.3	96	77-120	
1,2-Dichloroethane	20.0	20.2	101	73-124	
1,2-Dichloropropane	20.0	20.0	100	80-120	
2-Butanone (MEK)	250	279	111	59-135	
2-Hexanone	250	286	114	56-135	
4-Methyl-2-pentanone (MIBK)	250	246	98	62-133	
Acetone	250	232	93	57-143	
Benzene	20.0	18.7	94	80-120	
Bromochloromethane	20.0	21.6	108	80-120	
Bromodichloromethane	20.0	18.6	93	71-120	
Bromoform	20.0	18.8	94	51-120	
Bromomethane	20.0	16.2	81	53-128	
Carbon disulfide	20.0	14.9	75	65-128	
Carbon tetrachloride	20.0	17.8	89	64-134	
Chlorobenzene	20.0	18.9	94	80-120	
Chloroethane	20.0	17.4	87	55-123	
Chloroform	20.0	18.6	93	80-120	
Chloromethane	20.0	19.4	97	39-134	
cis-1,2-Dichloroethene	20.0	19.9	100	80-125	
cis-1,3-Dichloropropene	20.0	16.2	81	75-120	
Dibromochloromethane	20.0	19.4	97	71-120	
Ethylbenzene	20.0	19.4	97	80-120	
Methyl tert-butyl ether	20.0	20.1	101	69-122	
Methylene Chloride	20.0	19.2	96	80-120	
Styrene	20.0	19.3	97	80-120	
Tetrachloroethene	20.0	18.9	95	80-120	
Toluene	20.0	19.1	96	80-120	
trans-1,2-Dichloroethene	20.0	18.4	92	80-126	
trans-1,3-Dichloropropene	20.0	17.5	88	67-120	
Trichloroethene	20.0	17.4	87	80-120	
Vinyl chloride	20.0	16.1	81	56-120	
Xylenes, Total	60.0	57.8	96	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.: 410-190648-1

SDG No.:

Matrix: Water Level: Low Lab File ID: FC06X54.D

Lab ID: LCSD 410-559907/5 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	21.3	106	0	30	79-120	
1,1,1-Trichloroethane	20.0	17.5	88	3	30	73-120	
1,1,2,2-Tetrachloroethane	20.0	20.9	105	1	30	72-120	
1,1,2-Trichloroethane	20.0	20.7	104	4	30	80-120	
1,1-Dichloroethane	20.0	18.6	93	6	30	80-120	
1,1-Dichloroethene	20.0	17.3	87	6	30	80-131	
1,2-Dibromoethane (EDB)	20.0	19.7	99	2	30	77-120	
1,2-Dichloroethane	20.0	19.5	97	4	30	73-124	
1,2-Dichloropropane	20.0	19.7	98	2	30	80-120	
2-Butanone (MEK)	250	274	110	2	30	59-135	
2-Hexanone	250	283	113	1	30	56-135	
4-Methyl-2-pentanone (MIBK)	250	240	96	2	30	62-133	
Acetone	250	219	88	6	30	57-143	
Benzene	20.0	18.4	92	1	30	80-120	
Bromochloromethane	20.0	19.6	98	10	30	80-120	
Bromodichloromethane	20.0	18.7	93	1	30	71-120	
Bromoform	20.0	18.9	94	1	30	51-120	
Bromomethane	20.0	15.7	78	3	30	53-128	
Carbon disulfide	20.0	14.6	73	2	30	65-128	
Carbon tetrachloride	20.0	17.1	86	4	30	64-134	
Chlorobenzene	20.0	18.4	92	2	30	80-120	
Chloroethane	20.0	16.4	82	6	30	55-123	
Chloroform	20.0	17.2	86	8	30	80-120	
Chloromethane	20.0	17.5	87	10	30	39-134	
cis-1,2-Dichloroethene	20.0	19.1	95	4	30	80-125	
cis-1,3-Dichloropropene	20.0	16.6	83	3	30	75-120	
Dibromochloromethane	20.0	19.4	97	0	30	71-120	
Ethylbenzene	20.0	19.4	97	0	30	80-120	
Methyl tert-butyl ether	20.0	19.3	97	4	30	69-122	
Methylene Chloride	20.0	18.4	92	4	30	80-120	
Styrene	20.0	19.2	96	1	30	80-120	
Tetrachloroethene	20.0	19.3	96	2	30	80-120	
Toluene	20.0	19.3	97	1	30	80-120	
trans-1,2-Dichloroethene	20.0	17.2	86	6	30	80-126	
trans-1,3-Dichloropropene	20.0	18.1	91	3	30	67-120	
Trichloroethene	20.0	17.8	89	2	30	80-120	
Vinyl chloride	20.0	15.1	75	7	30	56-120	
Xylenes, Total	60.0	57.6	96	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.: 410-190648-1

SDG No.:

Lab File ID: FC06X56.D Lab Sample ID: MB 410-559907/7

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

Instrument ID: 15830 Date Analyzed: 10/06/2024 22:30

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 410-559907/4	FC06X53.D	10/06/2024 21:33
	LCSD 410-559907/5	FC06X54.D	10/06/2024 21:52
HD-QC2-0/1-2	410-190648-10	FC06X58.D	10/06/2024 23:09
HD-MW-67D-0/1-0	410-190648-1	FC06X69.D	10/07/2024 02:42
HD-MW-67S-0/1-0	410-190648-2	FC06X70.D	10/07/2024 03:01
HD-CW-2-0/1-0	410-190648-3	FC06X71.D	10/07/2024 03:20
HD-MW-143D-0/1-0	410-190648-4	FC06X72.D	10/07/2024 03:39
HD-MW-12-0/1-0	410-190648-5	FC06X73.D	10/07/2024 03:58
HD-CW-1A-0/1-0	410-190648-6	FC06X74.D	10/07/2024 04:18
HD-MW-3-0/1-0	410-190648-7	FC06X75.D	10/07/2024 04:37
HD-MW-2-0/1-0	410-190648-8	FC06X76.D	10/07/2024 04:56
HD-MW-65S-0/1-0	410-190648-9	FC06X77.D	10/07/2024 05:16

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Lab File ID: copy_FU27T01.D BFB Injection Date: 06/27/2024

Instrument ID: 15830 BFB Injection Time: 16:52

Analysis Batch No.: 522257

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.9	
75	30.0 - 60.0 % of mass 95	47.2	
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	0.7	(0.8) 1
174	Greater than 50% of mass 95	82.9	
175	5.0 - 9.0 % of mass 174	6.1	(7.4) 1
176	95.0 - 101.0 % of mass 174	82.0	(98.9) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.4) 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 410-522257/4	FU27X06.D	06/27/2024	18:19
	IC 410-522257/5	FU27X08.D	06/27/2024	18:47
	IC 410-522257/6	FU27X10.D	06/27/2024	19:16
	IC 410-522257/7	FU27X12.D	06/27/2024	19:46
	ICIS 410-522257/8	FU27X14.D	06/27/2024	20:14
	IC 410-522257/9	FU27X16.D	06/27/2024	20:44
	IC 410-522257/10	FU27X18.D	06/27/2024	21:13
	ICV 410-522257/12	FU27X22.D	06/27/2024	22:11

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Lab File ID: FC06T01.D BFB Injection Date: 10/06/2024

Instrument ID: 15830 BFB Injection Time: 20:37

Analysis Batch No.: 559907

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	45.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	79.2	
175	5.0 - 9.0 % of mass 174	6.2	(7.8) 1
176	95.0 - 101.0 % of mass 174	79.3	(100.2) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.5) 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 410-559907/3	FC06X52.D	10/06/2024	21:14
	LCS 410-559907/4	FC06X53.D	10/06/2024	21:33
	LCSD 410-559907/5	FC06X54.D	10/06/2024	21:52
	MB 410-559907/7	FC06X56.D	10/06/2024	22:30
HD-QC2-0/1-2	410-190648-10	FC06X58.D	10/06/2024	23:09
HD-MW-67D-0/1-0	410-190648-1	FC06X69.D	10/07/2024	2:42
HD-MW-67S-0/1-0	410-190648-2	FC06X70.D	10/07/2024	3:01
HD-CW-2-0/1-0	410-190648-3	FC06X71.D	10/07/2024	3:20
HD-MW-143D-0/1-0	410-190648-4	FC06X72.D	10/07/2024	3:39
HD-MW-12-0/1-0	410-190648-5	FC06X73.D	10/07/2024	3:58
HD-CW-1A-0/1-0	410-190648-6	FC06X74.D	10/07/2024	4:18
HD-MW-3-0/1-0	410-190648-7	FC06X75.D	10/07/2024	4:37
HD-MW-2-0/1-0	410-190648-8	FC06X76.D	10/07/2024	4:56
HD-MW-65S-0/1-0	410-190648-9	FC06X77.D	10/07/2024	5:16

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Sample No.: ICIS 410-522257/8 Date Analyzed: 06/27/2024 20:14

Instrument ID: 15830 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): FU27X14.D Heated Purge: (Y/N) N

Calibration ID: 63270

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		230323	2.25	448911	4.16	321111	6.53
UPPER LIMIT		460646	2.75	897822	4.66	642222	7.03
LOWER LIMIT		115162	1.75	224456	3.66	160556	6.03
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-522257/12		205991	2.25	434762	4.16	311151	6.53
CCVIS 410-559907/3		205911	2.30	379708	4.16	242584	6.53

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.: 410-190648-1

SDG No.:

Sample No.: ICIS 410-522257/8 Date Analyzed: 06/27/2024 20:14

Instrument ID: 15830 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): FU27X14.D Heated Purge: (Y/N) N

Calibration ID: 63270

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		179301	7.91				
UPPER LIMIT		358602	8.41				
LOWER LIMIT		89651	7.41				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-522257/12		173356	7.91				
CCVIS 410-559907/3		138920	7.91				

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.: 410-190648-1

SDG No.:

Sample No.: CCVIS 410-559907/3 Date Analyzed: 10/06/2024 21:14

Instrument ID: 15830 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): FC06X52.D Heated Purge: (Y/N) N

Calibration ID: 63270

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		205911	2.30	379708	4.16	242584	6.53
UPPER LIMIT		411822	2.80	759416	4.66	485168	7.03
LOWER LIMIT		102956	1.80	189854	3.66	121292	6.03
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-559907/4		203347	2.24	346937	4.15	226126	6.53
LCSD 410-559907/5		214399	2.24	367174	4.15	230946	6.53
MB 410-559907/7		191751	2.25	334459	4.15	212876	6.53
410-190648-10	HD-QC2-0/1-2	185477	2.25	332307	4.15	216409	6.53
410-190648-1	HD-MW-67D-0/1-0	176232	2.24	332329	4.15	213005	6.53
410-190648-2	HD-MW-67S-0/1-0	177876	2.25	313891	4.15	200204	6.53
410-190648-3	HD-CW-2-0/1-0	177199	2.26	309459	4.15	198483	6.53
410-190648-4	HD-MW-143D-0/1-0	168977	2.25	318384	4.15	209228	6.53
410-190648-5	HD-MW-12-0/1-0	174702	2.26	309601	4.15	194345	6.53
410-190648-6	HD-CW-1A-0/1-0	173384	2.24	308132	4.15	197409	6.53
410-190648-7	HD-MW-3-0/1-0	175921	2.31	341889	4.16	224622	6.53
410-190648-8	HD-MW-2-0/1-0	167345	2.25	310652	4.16	198742	6.53
410-190648-9	HD-MW-65S-0/1-0	170288	2.25	314667	4.16	197896	6.53

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

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Sample No.: CCVIS 410-559907/3 Date Analyzed: 10/06/2024 21:14

Instrument ID: 15830 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): FC06X52.D Heated Purge: (Y/N) N

Calibration ID: 63270

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		138920	7.91				
UPPER LIMIT		277840	8.41				
LOWER LIMIT		69460	7.41				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-559907/4		134332	7.91				
LCSD 410-559907/5		133724	7.91				
MB 410-559907/7		131109	7.91				
410-190648-10	HD-QC2-0/1-2	130165	7.91				
410-190648-1	HD-MW-67D-0/1-0	130242	7.91				
410-190648-2	HD-MW-67S-0/1-0	122614	7.91				
410-190648-3	HD-CW-2-0/1-0	123409	7.91				
410-190648-4	HD-MW-143D-0/1-0	128518	7.91				
410-190648-5	HD-MW-12-0/1-0	121425	7.91				
410-190648-6	HD-CW-1A-0/1-0	123661	7.91				
410-190648-7	HD-MW-3-0/1-0	137471	7.91				
410-190648-8	HD-MW-2-0/1-0	121625	7.91				
410-190648-9	HD-MW-65S-0/1-0	123235	7.91				

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.: 410-190648-1

SDG No.:

Client Sample ID: HD-MW-67D-0/1-0
Lab Sample ID: 410-190648-1

Matrix: Water
Lab File ID: FC06X69.D

Analysis Method: 8260D
Date Collected: 09/30/2024 09:27

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 02:42

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	0.50
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	0.92	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	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190648-1

SDG No.:

Client Sample ID: HD-MW-67D-0/1-0
Lab Sample ID: 410-190648-1

Matrix: Water
Lab File ID: FC06X69.D

Analysis Method: 8260D
Date Collected: 09/30/2024 09:27

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 02:42

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	0.67	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)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		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\15830\20241006-126925.b\FC06X69.D
Lims ID: 410-190648-A-1
Client ID: HD-MW-67D-0/1-0
Sample Type: Client
Inject. Date: 07-Oct-2024 02:42:01 ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-020
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:46:19 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: EV4P Date: 07-Oct-2024 15:46:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Chloromethane	50		1.143				ND	
3 Vinyl chloride	62		1.201				ND	
5 Bromomethane	94		1.387				ND	
6 Chloroethane	64		1.410				ND	
10 1,1-Dichloroethene	96		1.854				ND	
11 Acetone	58		1.889				ND	
14 Carbon disulfide	76		2.014				ND	
19 Methylene Chloride	84		2.233				ND	
* 20 t-Butyl alcohol-d10 (IS)	65	2.243	2.297	-0.054	89	176232	250.0	
24 trans-1,2-Dichloroethene	96		2.429				ND	
25 Methyl tert-butyl ether	73		2.439				ND	
27 1,1-Dichloroethane	63		2.776				ND	
31 cis-1,2-Dichloroethene	96		3.230				ND	7
32 2-Butanone (MEK)	43		3.236				ND	
36 Chlorobromomethane	128		3.416				ND	
39 Chloroform	83	3.500	3.506	-0.006	20	2731	0.9206	
40 1,1,1-Trichloroethane	97		3.632				ND	
$ 41 Dibromofluoromethane (Surr)	113	3.625	3.632	-0.007	94	88370	53.0	
43 Carbon tetrachloride	117		3.751				ND	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.889	3.899	-0.010	45	22744	53.2	
47 Benzene	78		3.908				ND	
48 1,2-Dichloroethane	62		3.960				ND	
* 50 Fluorobenzene (IS)	96	4.149	4.162	-0.013	99	332329	50.0	
53 Trichloroethene	95	4.452	4.455	-0.003	43	1174	0.6742	
55 1,2-Dichloropropane	63		4.667				ND	
60 Dichlorobromomethane	83		4.899				ND	
63 cis-1,3-Dichloropropene	75		5.262				ND	
64 4-Methyl-2-pentanone (MIBK)	43		5.407				ND	U
$ 65 Toluene-d8 (Surr)	98	5.474	5.481	-0.007	93	281427	49.8	
66 Toluene	92		5.535				ND	
67 trans-1,3-Dichloropropene	75		5.738				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
69 1,1,2-Trichloroethane	97		5.879				ND	
70 Tetrachloroethene	166	5.921	5.931	-0.010	1	346	0.2165	
73 2-Hexanone	43		6.050				ND	
74 Chlorodibromomethane	129		6.143				ND	
75 Ethylene Dibromide	107		6.214				ND	
* 76 Chlorobenzene-d5 (IS)	117	6.529	6.532	-0.003	85	213005	50.0	
77 Chlorobenzene	112		6.551				ND	
79 1,1,1,2-Tetrachloroethane	131		6.616				ND	
80 Ethylbenzene	91		6.622				ND	7
81 m-Xylene & p-Xylene	106		6.706				ND	
82 o-Xylene	106		6.944				ND	
83 Styrene	104		6.956				ND	
84 Bromoform	173		7.056				ND	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	93	104905	50.4	
88 1,1,2,2-Tetrachloroethane	83		7.352				ND	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	94	130242	50.0	
S 138 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_Cent_ISSS_00031 Amount Added: 5.00 Units: uL Run Reagent

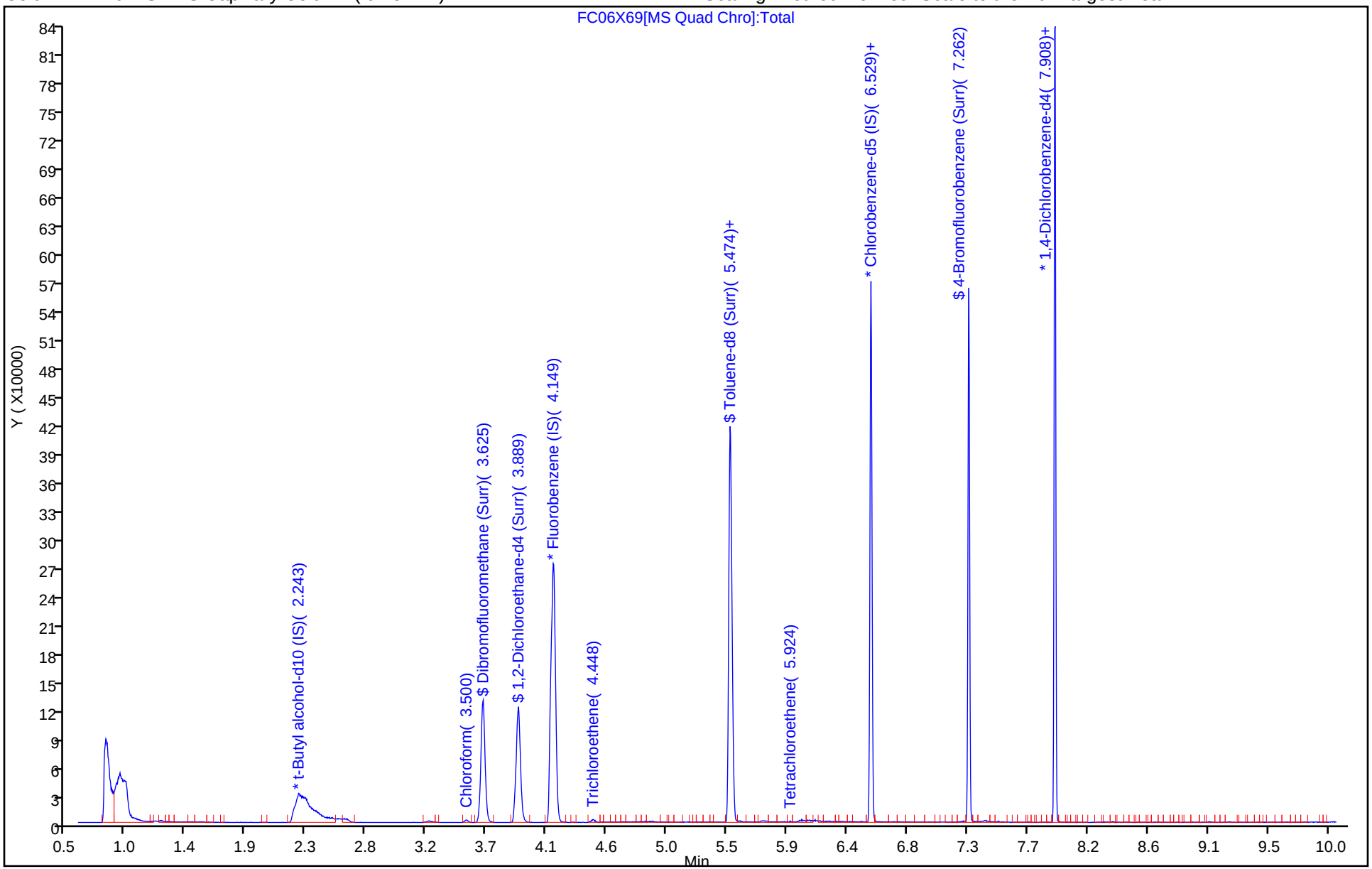
Report Date: 07-Oct-2024 15:46:19 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X69.D

Injection Date:	07-Oct-2024 02:42:01	Instrument ID:	15830	Operator ID:	gaw91131
Lims ID:	410-190648-A-1	Lab Sample ID:	410-190648-1	Worklist Smp#:	20
Client ID:	HD-MW-67D-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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\15830\20241006-126925.b\FC06X69.D
Lims ID: 410-190648-A-1
Client ID: HD-MW-67D-0/1-0
Sample Type: Client
Inject. Date: 07-Oct-2024 02:42:01 ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-020
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:46:19 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

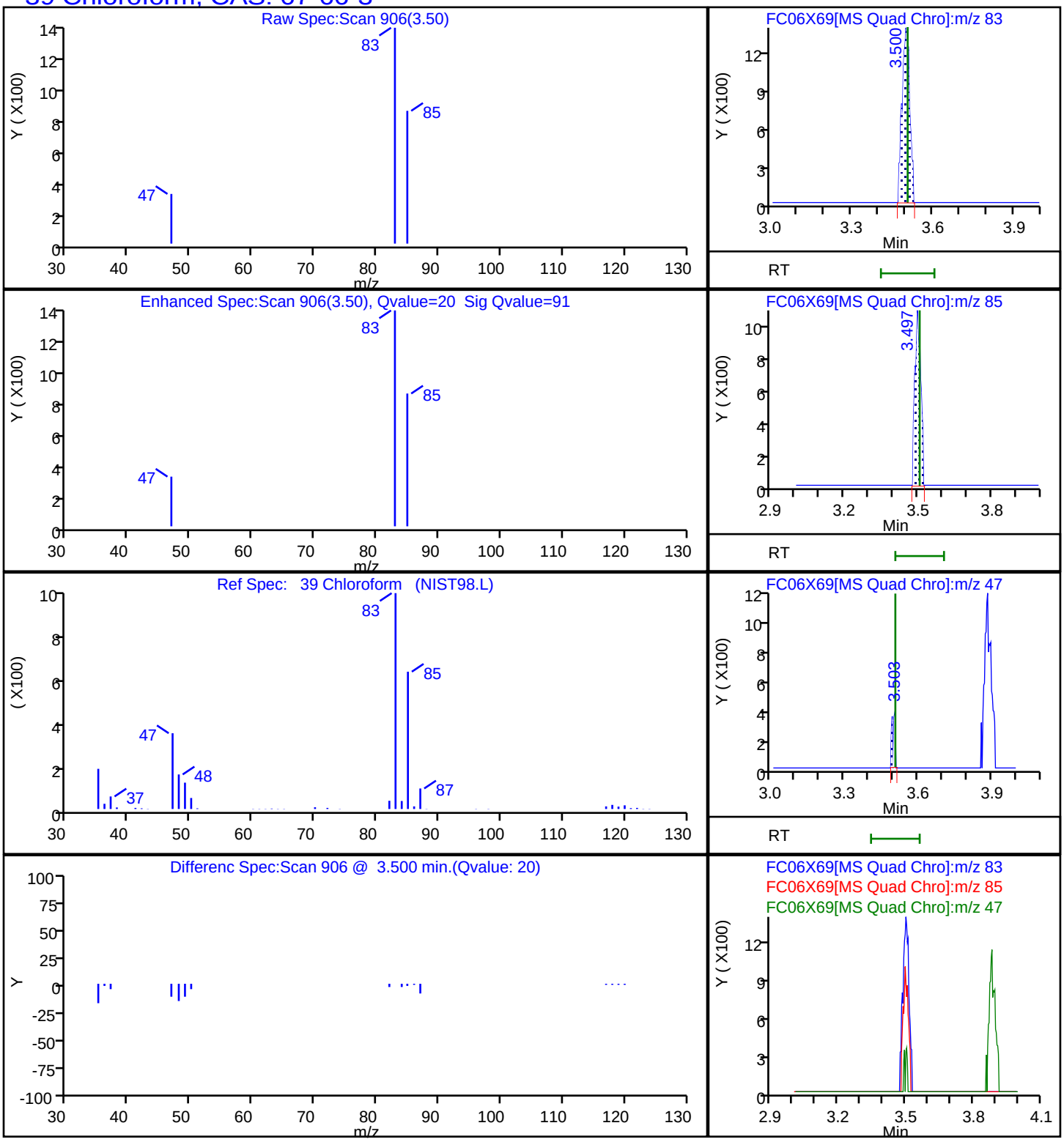
First Level Reviewer: EV4P Date: 07-Oct-2024 15:46:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 41 Dibromofluoromethane (Surr)	50.0	53.0	106.08
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	53.2	106.43
$ 65 Toluene-d8 (Surr)	50.0	49.8	99.58
$ 86 4-Bromofluorobenzene (Surr)	50.0	50.4	100.85

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X69.D				
Injection Date:	07-Oct-2024 02:42:01	Instrument ID:	15830		
Lims ID:	410-190648-A-1	Lab Sample ID:	410-190648-1		
Client ID:	HD-MW-67D-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

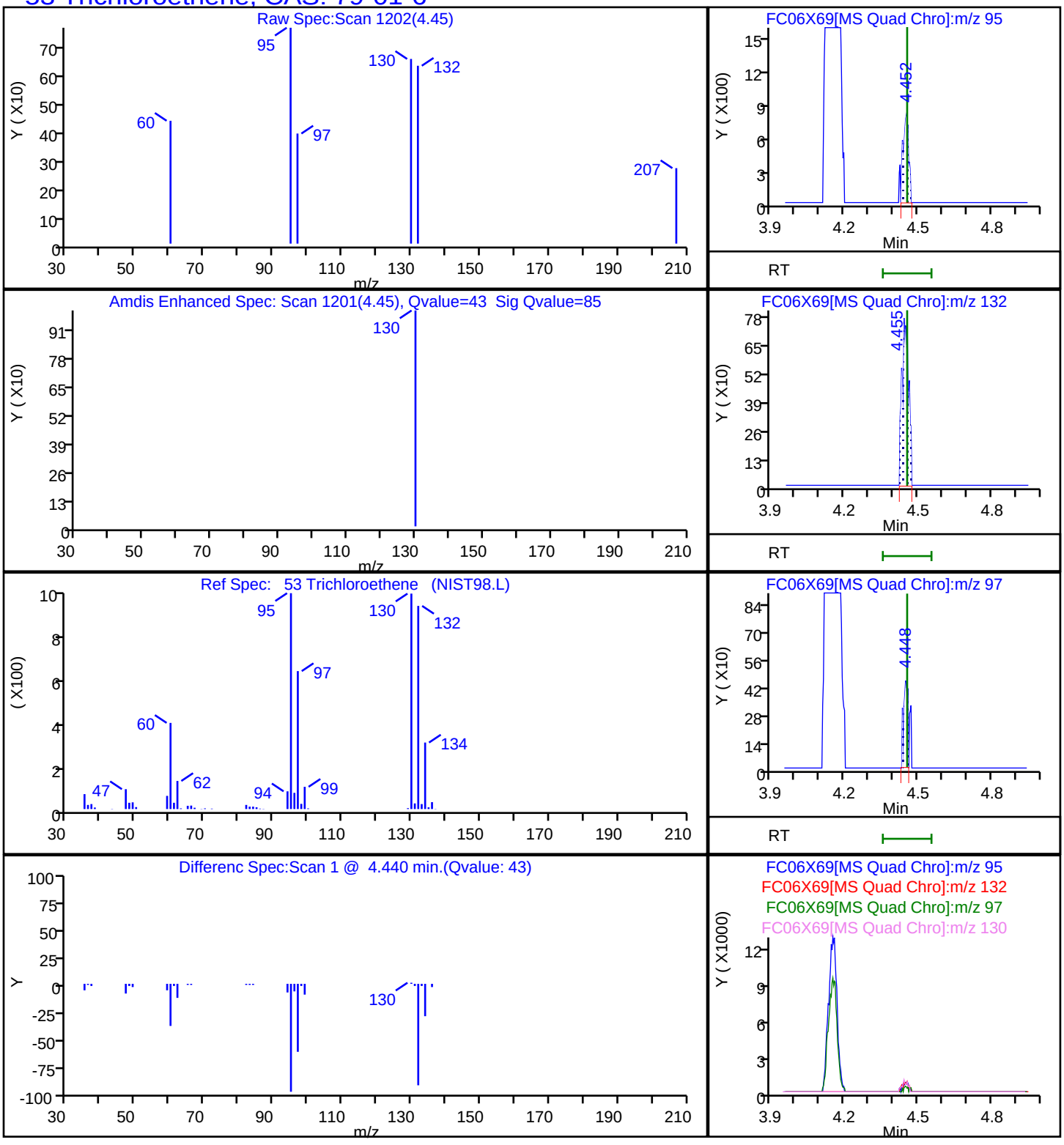
39 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X69.D				
Injection Date:	07-Oct-2024 02:42:01	Instrument ID:	15830		
Lims ID:	410-190648-A-1	Lab Sample ID:	410-190648-1		
Client ID:	HD-MW-67D-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

53 Trichloroethene, CAS: 79-01-6



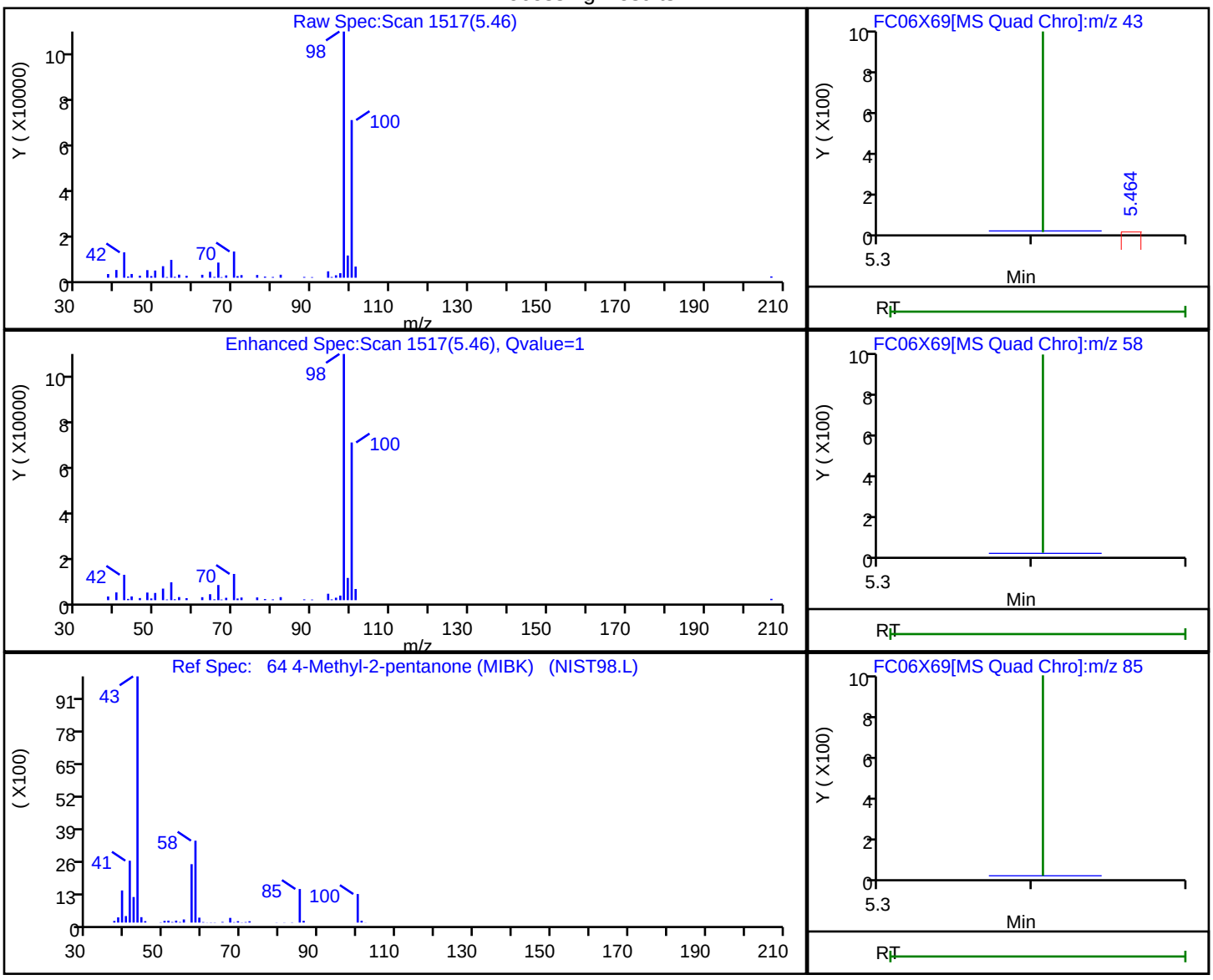
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X69.D				
Injection Date:	07-Oct-2024 02:42:01	Instrument ID:	15830		
Lims ID:	410-190648-A-1	Lab Sample ID:	410-190648-1		
Client ID:	HD-MW-67D-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

64 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.46	43.00	276	4.820467
5.41	58.00	0	
5.41	85.00	0	
5.41	100.00	0	

Reviewer: EV4P, 07-Oct-2024 15:46:04 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.: 410-190648-1

SDG No.:

Client Sample ID: HD-MW-67S-0/1-0
Lab Sample ID: 410-190648-2

Matrix: Water
Lab File ID: FC06X70.D

Analysis Method: 8260D
Date Collected: 10/01/2024 08:50

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 03:01

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	5.7		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	1.4		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	0.50
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	0.77	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	2.0		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190648-1

SDG No.:

Client Sample ID: HD-MW-67S-0/1-0
Lab Sample ID: 410-190648-2

Matrix: Water
Lab File ID: FC06X70.D

Analysis Method: 8260D
Date Collected: 10/01/2024 08:50

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 03:01

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	1.2		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)	110		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	110		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\15830\20241006-126925.b\FC06X70.D
Lims ID: 410-190648-A-2
Client ID: HD-MW-67S-0/1-0
Sample Type: Client
Inject. Date: 07-Oct-2024 03:01:17 ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-021
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:47:18 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: EV4P Date: 07-Oct-2024 15:47:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Chloromethane	50		1.143				ND	
3 Vinyl chloride	62		1.201				ND	
5 Bromomethane	94		1.387				ND	
6 Chloroethane	64		1.410				ND	
10 1,1-Dichloroethene	96	1.873	1.854	0.019	33	2063	1.38	
11 Acetone	58		1.889				ND	
14 Carbon disulfide	76		2.014				ND	
19 Methylene Chloride	84		2.233				ND	
* 20 t-Butyl alcohol-d10 (IS)	65	2.246	2.297	-0.051	89	177876	250.0	
24 trans-1,2-Dichloroethene	96		2.429				ND	
25 Methyl tert-butyl ether	73		2.439				ND	
27 1,1-Dichloroethane	63		2.776				ND	
31 cis-1,2-Dichloroethene	96		3.230				ND	7
32 2-Butanone (MEK)	43		3.236				ND	
36 Chlorobromomethane	128		3.416				ND	
39 Chloroform	83	3.497	3.506	-0.009	0	2147	0.7663	
40 1,1,1-Trichloroethane	97	3.625	3.632	-0.007	95	14511	5.70	
$ 41 Dibromofluoromethane (Surr)	113	3.625	3.632	-0.007	94	86655	55.1	
43 Carbon tetrachloride	117		3.751				ND	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.889	3.899	-0.010	45	22260	55.1	
47 Benzene	78		3.908				ND	
48 1,2-Dichloroethane	62		3.960				ND	
* 50 Fluorobenzene (IS)	96	4.149	4.162	-0.013	99	313891	50.0	
53 Trichloroethene	95	4.448	4.455	-0.007	44	2035	1.24	M
55 1,2-Dichloropropane	63		4.667				ND	
60 Dichlorobromomethane	83		4.899				ND	
63 cis-1,3-Dichloropropene	75		5.262				ND	
64 4-Methyl-2-pentanone (MIBK)	43		5.407				ND	U
$ 65 Toluene-d8 (Surr)	98	5.474	5.481	-0.007	93	264753	49.8	
66 Toluene	92		5.535				ND	
67 trans-1,3-Dichloropropene	75		5.738				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
69 1,1,2-Trichloroethane	97		5.879				ND	
70 Tetrachloroethene	166	5.928	5.931	-0.003	94	2996	1.99	
73 2-Hexanone	43		6.050				ND	
74 Chlorodibromomethane	129		6.143				ND	
75 Ethylene Dibromide	107		6.214				ND	
* 76 Chlorobenzene-d5 (IS)	117	6.529	6.532	-0.003	84	200204	50.0	
77 Chlorobenzene	112		6.551				ND	
79 1,1,1,2-Tetrachloroethane	131		6.616				ND	
80 Ethylbenzene	91		6.622				ND	7
81 m-Xylene & p-Xylene	106		6.706				ND	
82 o-Xylene	106		6.944				ND	
83 Styrene	104		6.956				ND	
84 Bromoform	173		7.056				ND	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	93	98396	50.3	
88 1,1,2,2-Tetrachloroethane	83		7.352				ND	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	94	122614	50.0	
S 138 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_Cent_ISSS_00031 Amount Added: 5.00 Units: uL Run Reagent

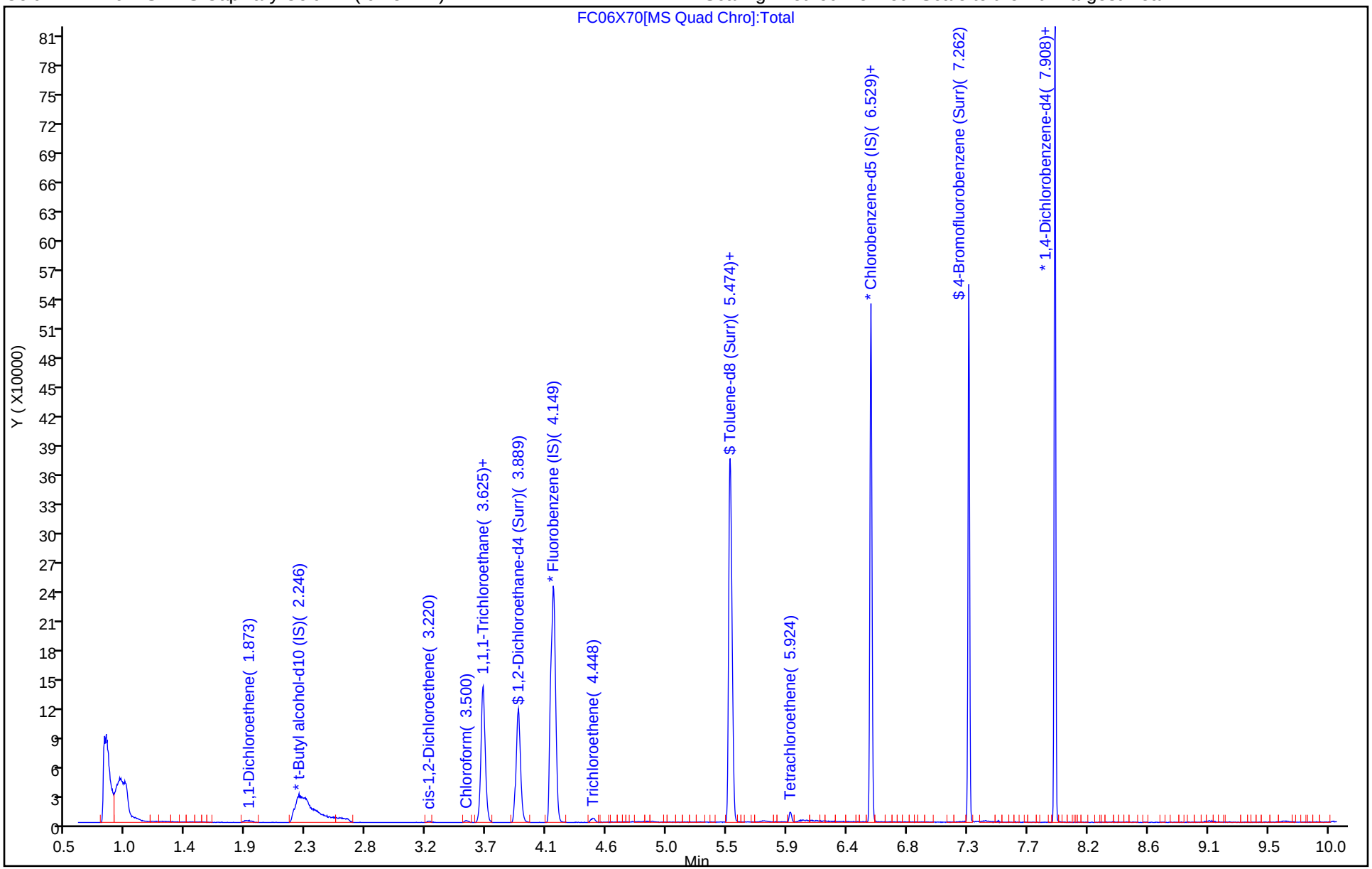
Report Date: 07-Oct-2024 15:47:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X70.D

Injection Date:	07-Oct-2024 03:01:17	Instrument ID:	15830	Operator ID:	gaw91131
Lims ID:	410-190648-A-2	Lab Sample ID:	410-190648-2	Worklist Smp#:	21
Client ID:	HD-MW-67S-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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\15830\20241006-126925.b\FC06X70.D
Lims ID: 410-190648-A-2
Client ID: HD-MW-67S-0/1-0
Sample Type: Client
Inject. Date: 07-Oct-2024 03:01:17 ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-021
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:47:18 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

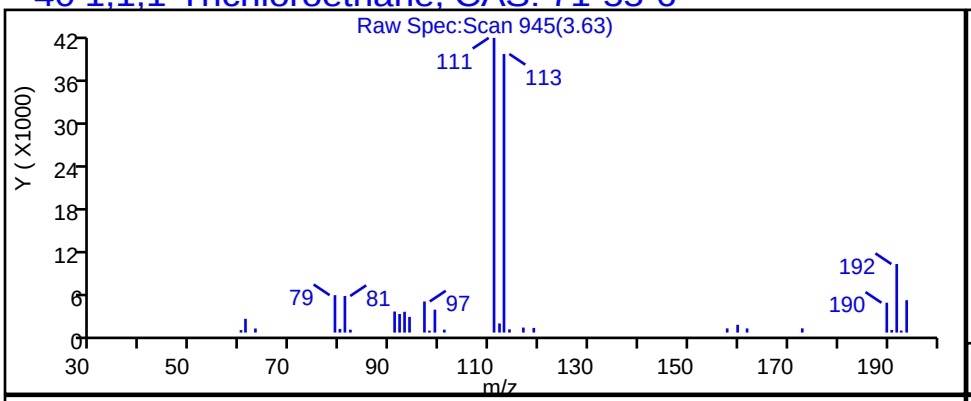
First Level Reviewer: EV4P Date: 07-Oct-2024 15:47:18

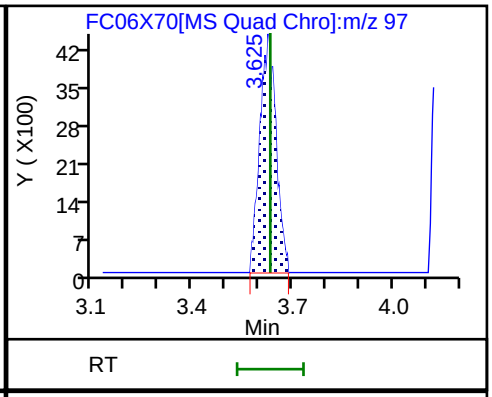
Compound	Amount Added	Amount Recovered	% Rec.
$ 41 Dibromofluoromethane (Surr)	50.0	55.1	110.13
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	55.1	110.29
$ 65 Toluene-d8 (Surr)	50.0	49.8	99.67
$ 86 4-Bromofluorobenzene (Surr)	50.0	50.3	100.64

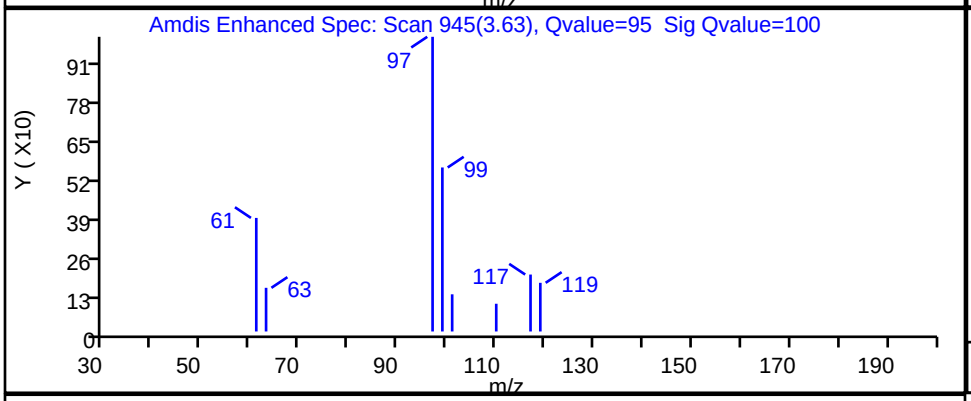
Eurofins Lancaster Laboratories Environment Testing, LLC

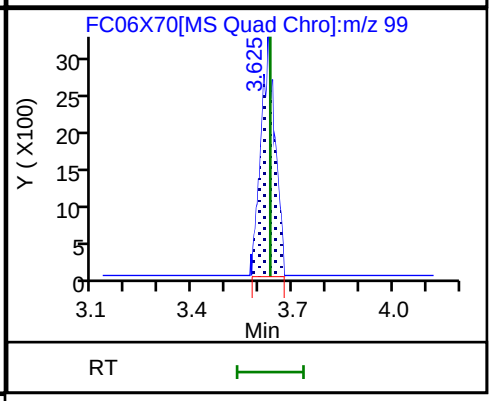
Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X70.D				
Injection Date:	07-Oct-2024 03:01:17	Instrument ID:	15830		
Lims ID:	410-190648-A-2	Lab Sample ID:	410-190648-2		
Client ID:	HD-MW-67S-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

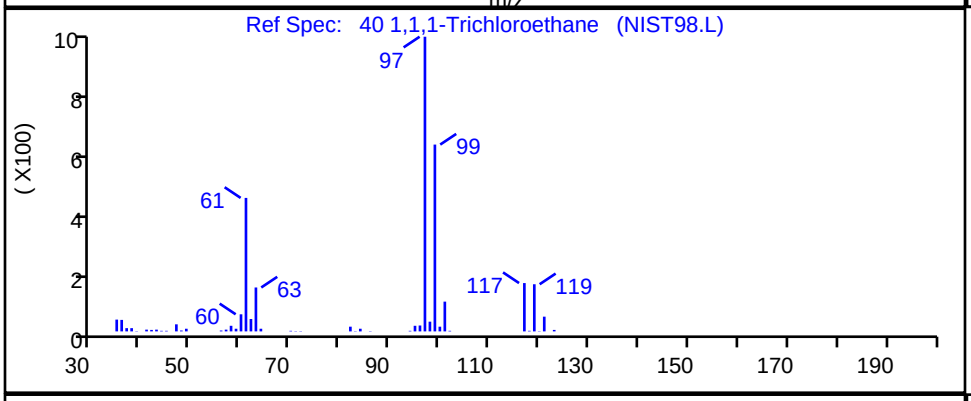
40 1,1,1-Trichloroethane, CAS: 71-55-6

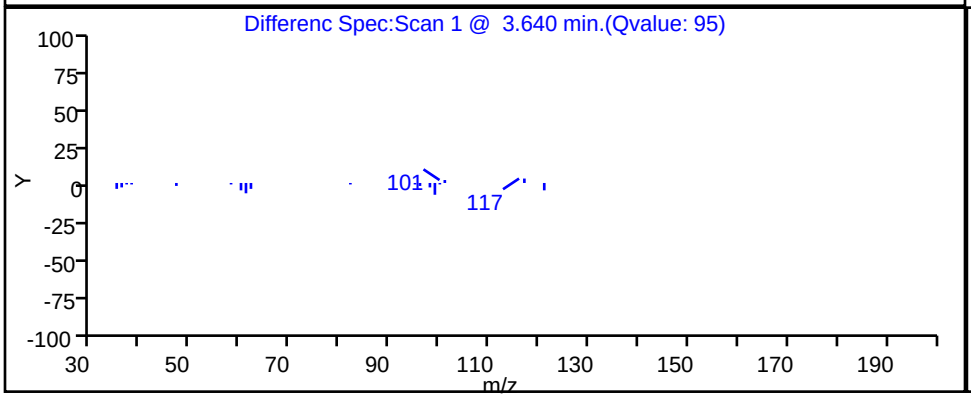


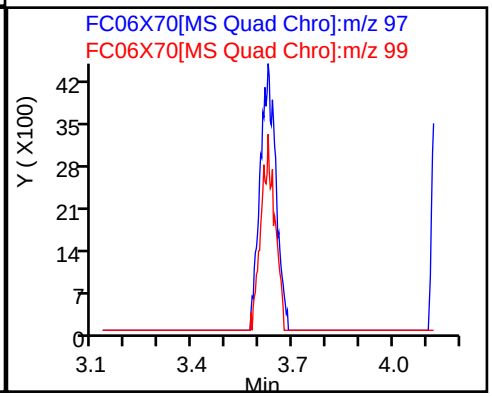








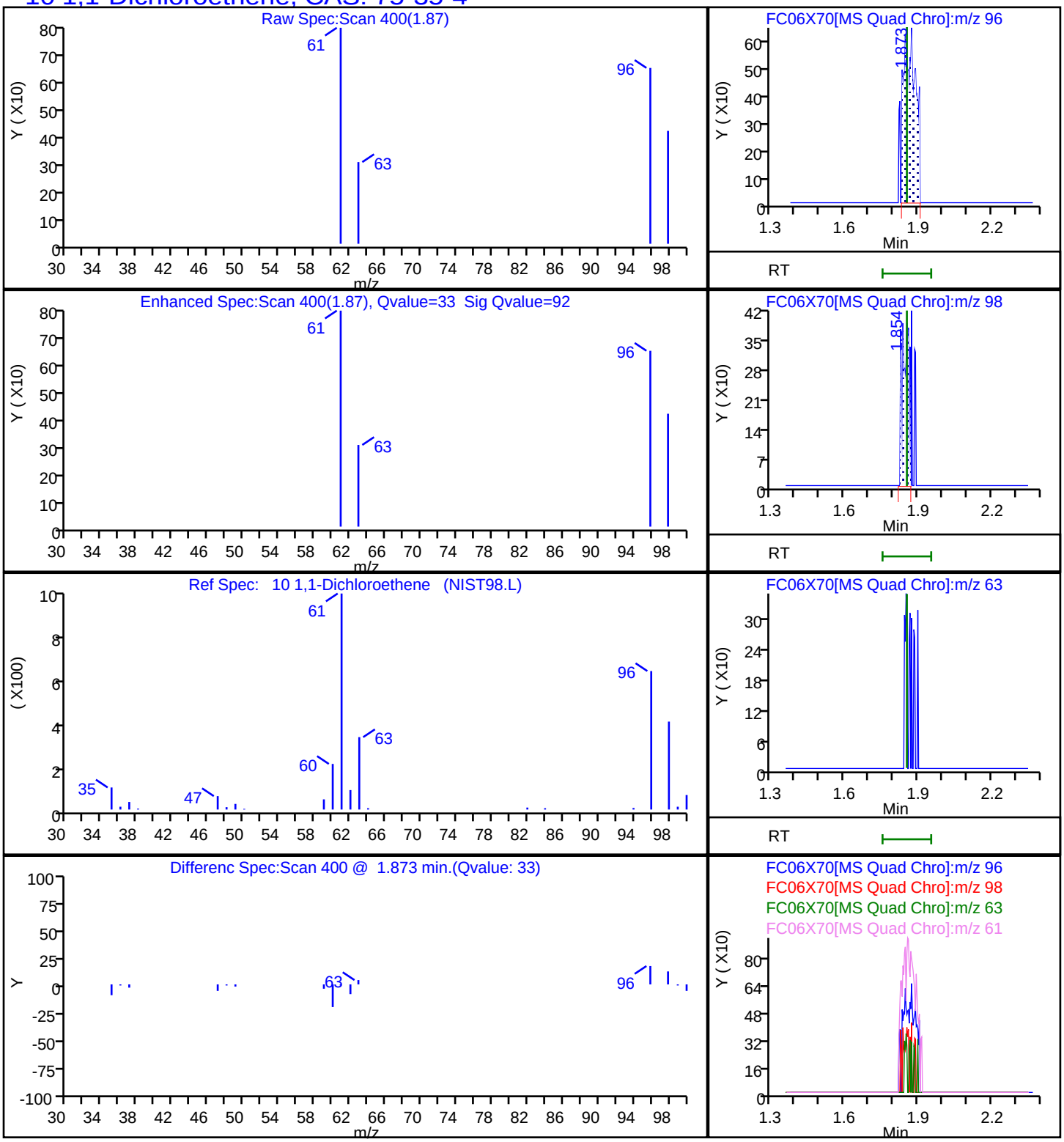




Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X70.D				
Injection Date:	07-Oct-2024 03:01:17	Instrument ID:	15830		
Lims ID:	410-190648-A-2	Lab Sample ID:	410-190648-2		
Client ID:	HD-MW-67S-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

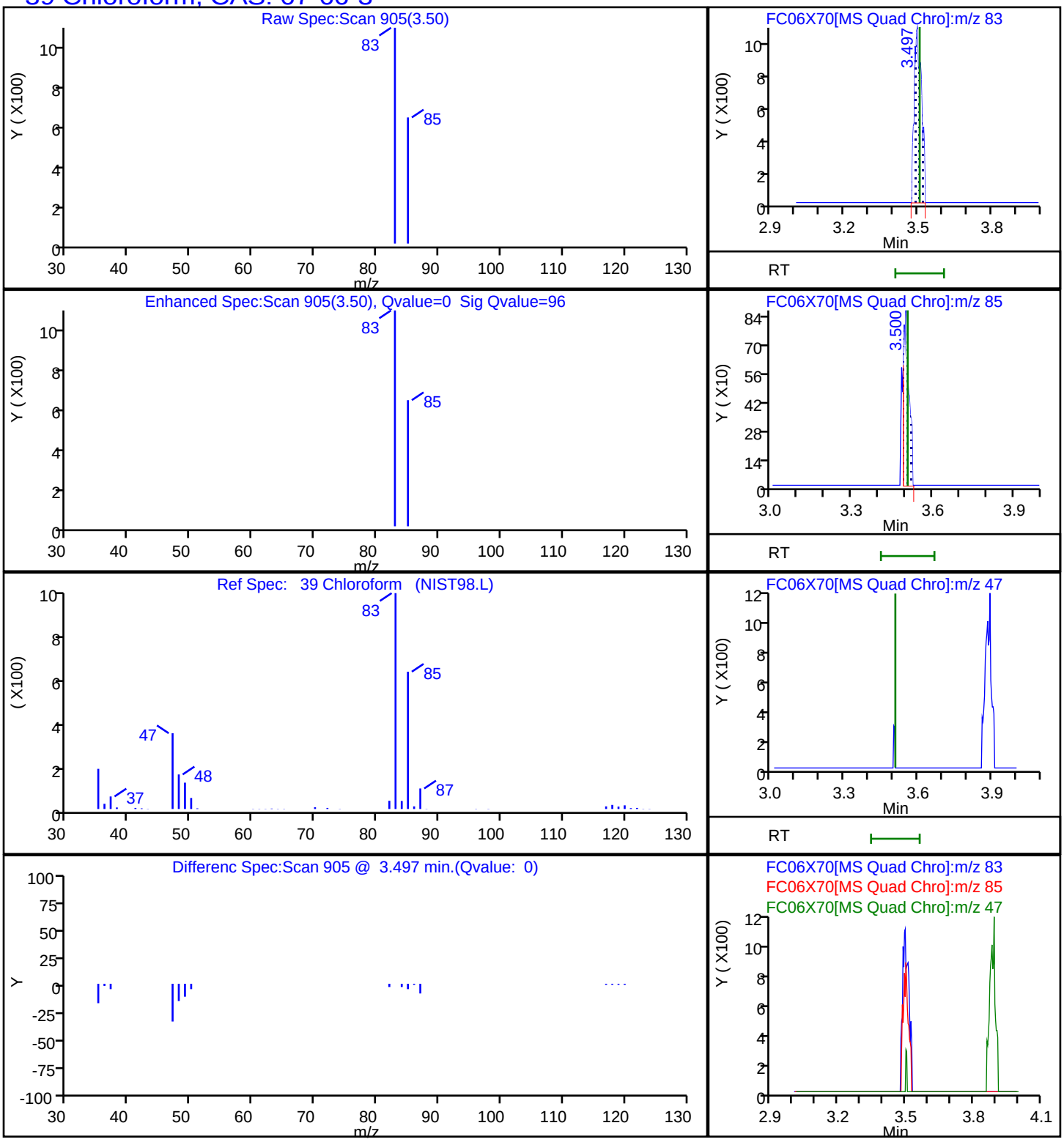
10 1,1-Dichloroethene, CAS: 75-35-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X70.D				
Injection Date:	07-Oct-2024 03:01:17	Instrument ID:	15830		
Lims ID:	410-190648-A-2	Lab Sample ID:	410-190648-2		
Client ID:	HD-MW-67S-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

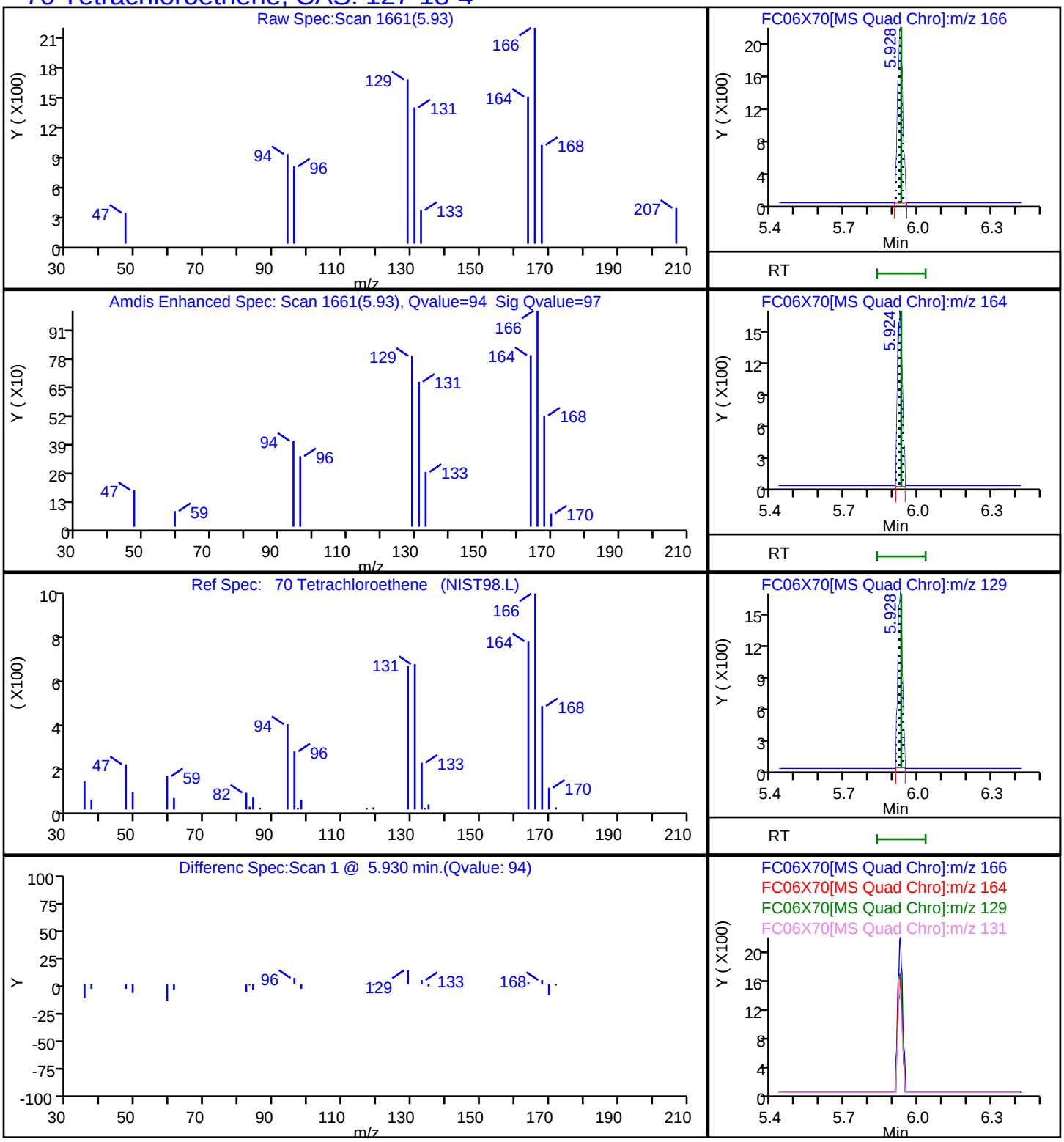
39 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X70.D				
Injection Date:	07-Oct-2024 03:01:17	Instrument ID:	15830		
Lims ID:	410-190648-A-2	Lab Sample ID:	410-190648-2		
Client ID:	HD-MW-67S-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

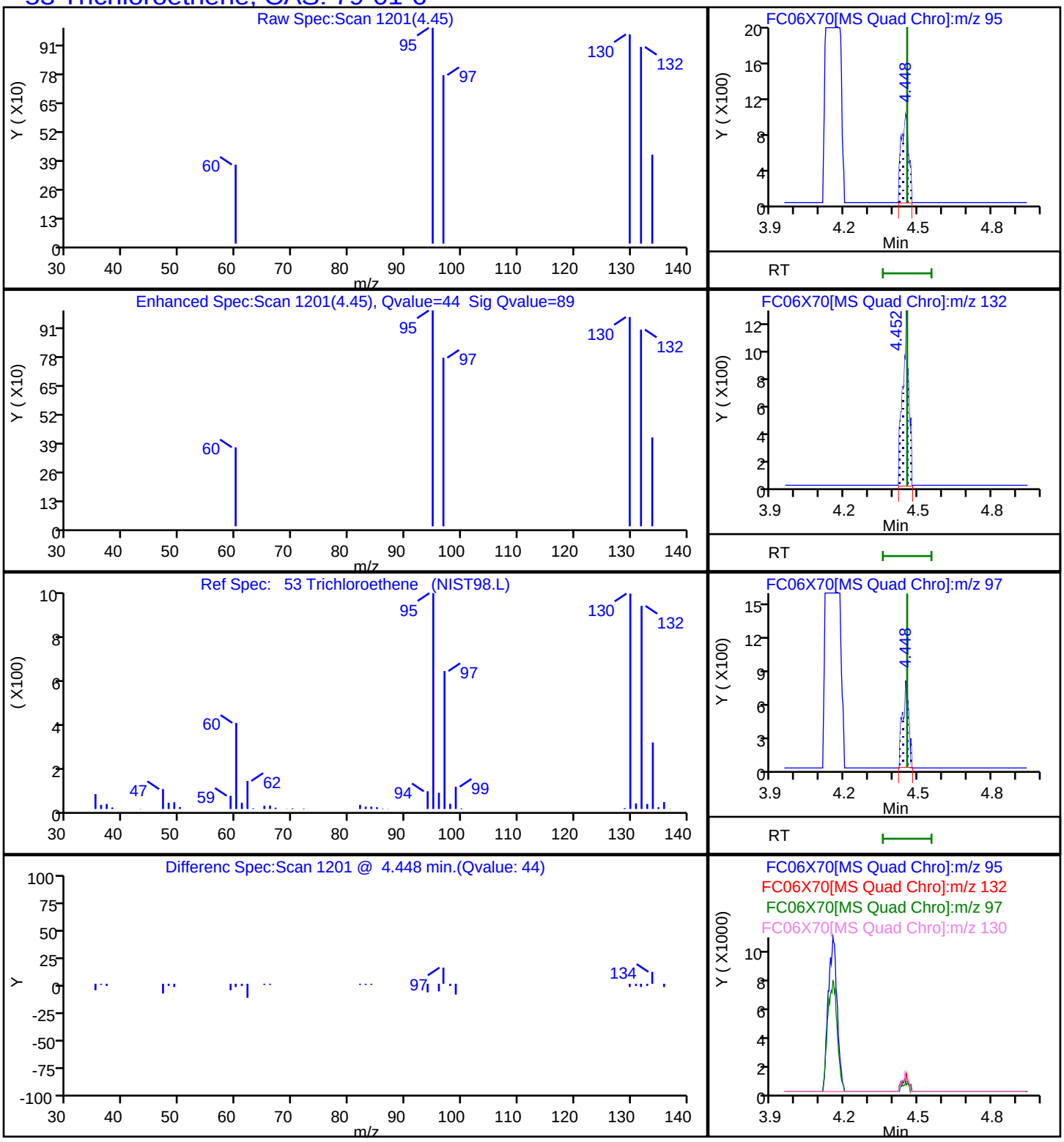
70 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X70.D				
Injection Date:	07-Oct-2024 03:01:17	Instrument ID:	15830		
Lims ID:	410-190648-A-2	Lab Sample ID:	410-190648-2		
Client ID:	HD-MW-67S-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

53 Trichloroethene, CAS: 79-01-6



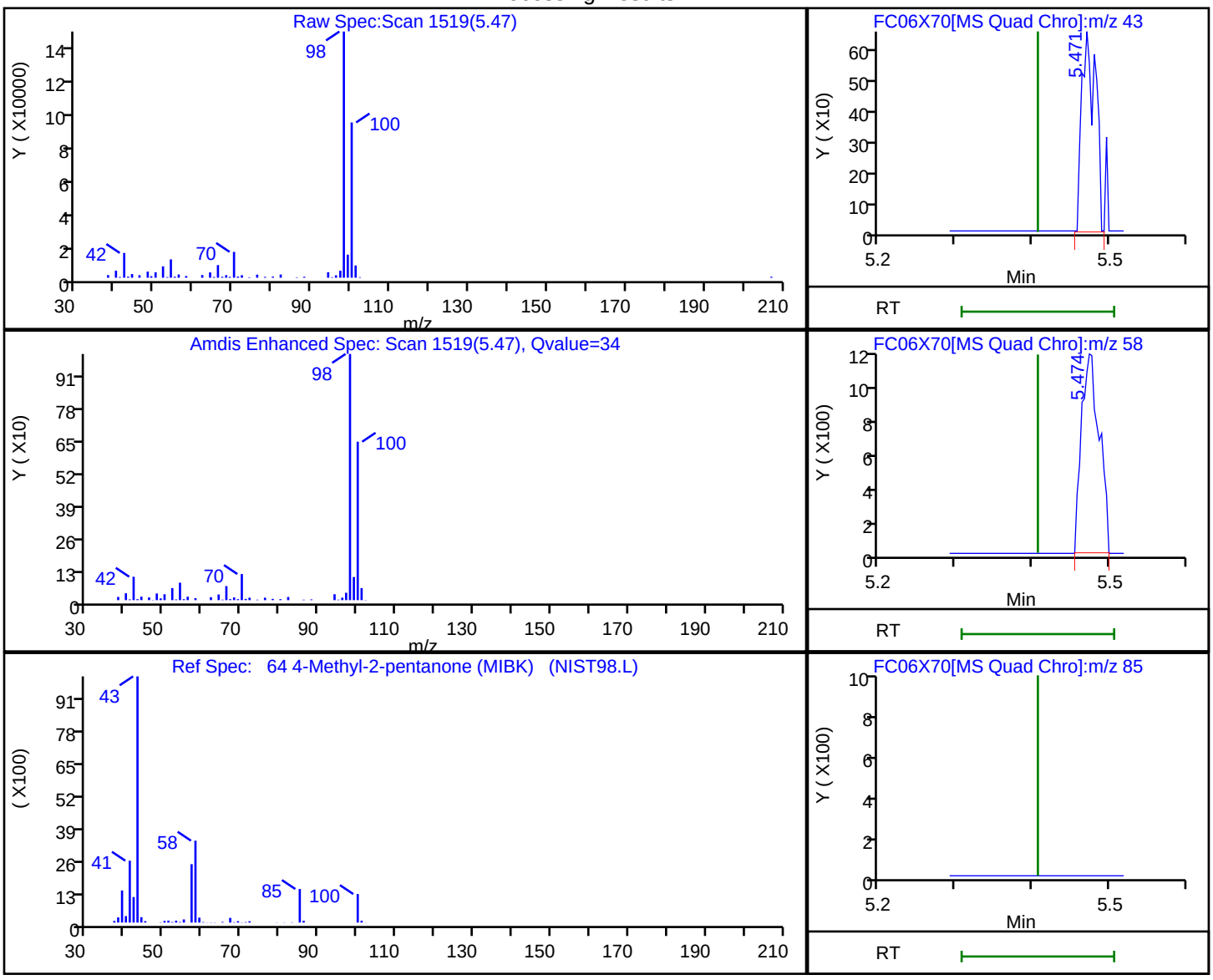
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X70.D				
Injection Date:	07-Oct-2024 03:01:17	Instrument ID:	15830		
Lims ID:	410-190648-A-2	Lab Sample ID:	410-190648-2		
Client ID:	HD-MW-67S-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

64 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.47	43.00	829	5.010604
5.47	58.00	1836	
5.41	85.00	0	
5.47	100.00	172000	

Reviewer: EV4P, 07-Oct-2024 15:47:02 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

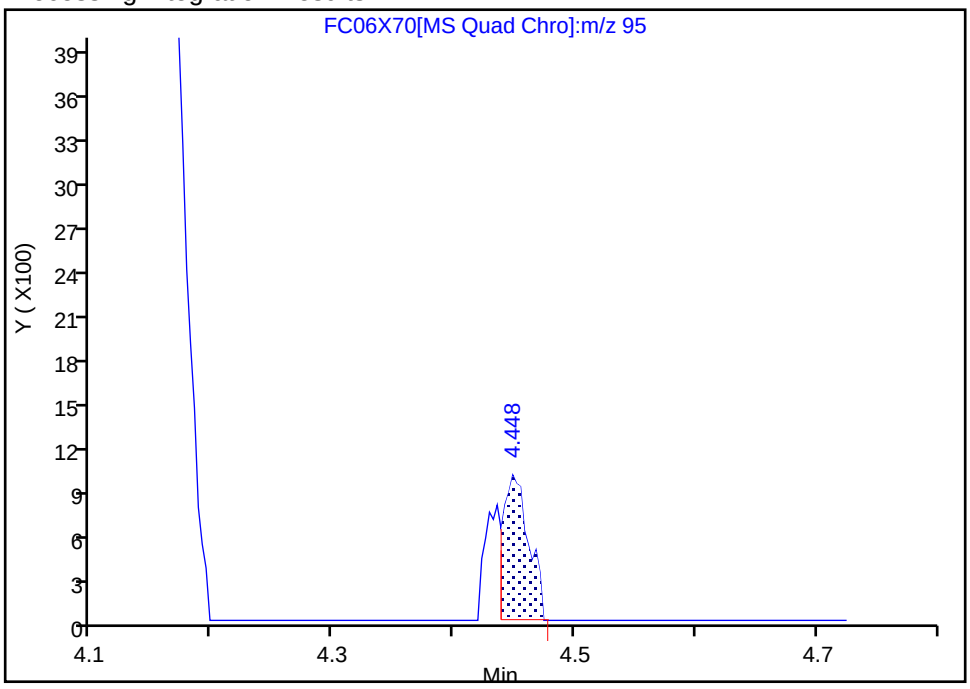
Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X70.D				
Injection Date:	07-Oct-2024 03:01:17	Instrument ID:	15830		
Lims ID:	410-190648-A-2	Lab Sample ID:	410-190648-2		
Client ID:	HD-MW-67S-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

53 Trichloroethene, CAS: 79-01-6

Signal: 1

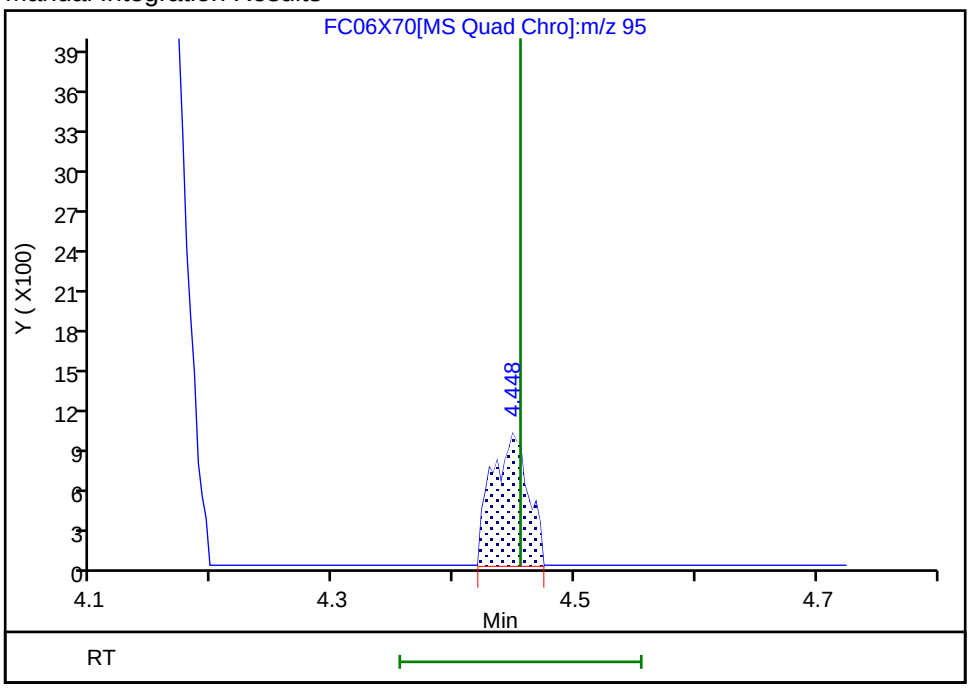
Processing Integration Results

RT: 4.45
Area: 1426
Amount: 0.867042
Amount Units: ug/l



Manual Integration Results

RT: 4.45
Area: 2035
Amount: 1.237329
Amount Units: ug/l



Reviewer: EV4P, 07-Oct-2024 15:46:56 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.: 410-190648-1

SDG No.:

Client Sample ID: HD-CW-2-0/1-0
Lab Sample ID: 410-190648-3

Matrix: Water
Lab File ID: FC06X71.D

Analysis Method: 8260D
Date Collected: 10/01/2024 13:05

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 03:20

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	0.50
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	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
127-18-4	Tetrachloroethene	0.52	J	1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190648-1

SDG No.:

Client Sample ID: HD-CW-2-0/1-0
Lab Sample ID: 410-190648-3

Matrix: Water
Lab File ID: FC06X71.D

Analysis Method: 8260D
Date Collected: 10/01/2024 13:05

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 03:20

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	6.1		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)	113		80-120
460-00-4	4-Bromofluorobenzene (Surr)	104		80-120
1868-53-7	Dibromofluoromethane (Surr)	110		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\15830\20241006-126925.b\FC06X71.D
Lims ID: 410-190648-A-3
Client ID: HD-CW-2-0/1-0
Sample Type: Client
Inject. Date: 07-Oct-2024 03:20:29 ALS Bottle#: 0 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-022
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:47:54 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: EV4P Date: 07-Oct-2024 15:47:54

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	2 Chloromethane	50		1.143				ND	
	3 Vinyl chloride	62		1.201				ND	
	5 Bromomethane	94		1.387				ND	
	6 Chloroethane	64		1.410				ND	
	10 1,1-Dichloroethene	96		1.854				ND	
	11 Acetone	58		1.889				ND	
	14 Carbon disulfide	76		2.014				ND	
	19 Methylene Chloride	84		2.233				ND	
*	20 t-Butyl alcohol-d10 (IS)	65	2.259	2.297	-0.038	91	177199	250.0	
	24 trans-1,2-Dichloroethene	96		2.429				ND	
	25 Methyl tert-butyl ether	73		2.439				ND	
	27 1,1-Dichloroethane	63		2.776				ND	
	31 cis-1,2-Dichloroethene	96	3.217	3.230	-0.013	77	5589	3.30	
	32 2-Butanone (MEK)	43		3.236				ND	
	36 Chlorobromomethane	128		3.416				ND	
	39 Chloroform	83		3.506				ND	
	40 1,1,1-Trichloroethane	97		3.632				ND	
$	41 Dibromofluoromethane (Surr)	113	3.625	3.632	-0.007	94	85631	55.2	
	43 Carbon tetrachloride	117		3.751				ND	
$	46 1,2-Dichloroethane-d4 (Surr)	102	3.892	3.899	-0.007	45	22420	56.3	
	47 Benzene	78		3.908				ND	
	48 1,2-Dichloroethane	62		3.960				ND	
*	50 Fluorobenzene (IS)	96	4.152	4.162	-0.010	99	309459	50.0	
	53 Trichloroethene	95	4.455	4.455	0.000	97	9829	6.06	
	55 1,2-Dichloropropane	63		4.667				ND	
	60 Dichlorobromomethane	83		4.899				ND	
	63 cis-1,3-Dichloropropene	75		5.262				ND	
	64 4-Methyl-2-pentanone (MIBK)	43		5.407				ND	U
$	65 Toluene-d8 (Surr)	98	5.474	5.481	-0.007	93	263708	50.1	
	66 Toluene	92		5.535				ND	
	67 trans-1,3-Dichloropropene	75		5.738				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
69 1,1,2-Trichloroethane	97		5.879				ND	
70 Tetrachloroethene	166	5.924	5.931	-0.007	86	776	0.5211	
73 2-Hexanone	43		6.050				ND	
74 Chlorodibromomethane	129		6.143				ND	
75 Ethylene Dibromide	107		6.214				ND	
* 76 Chlorobenzene-d5 (IS)	117	6.529	6.532	-0.003	85	198483	50.0	
77 Chlorobenzene	112		6.551				ND	
79 1,1,1,2-Tetrachloroethane	131		6.616				ND	
80 Ethylbenzene	91		6.622				ND	
81 m-Xylene & p-Xylene	106		6.706				ND	
82 o-Xylene	106		6.944				ND	
83 Styrene	104		6.956				ND	
84 Bromoform	173		7.056				ND	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	92	100351	51.8	
88 1,1,2,2-Tetrachloroethane	83		7.352				ND	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	94	123409	50.0	
S 138 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

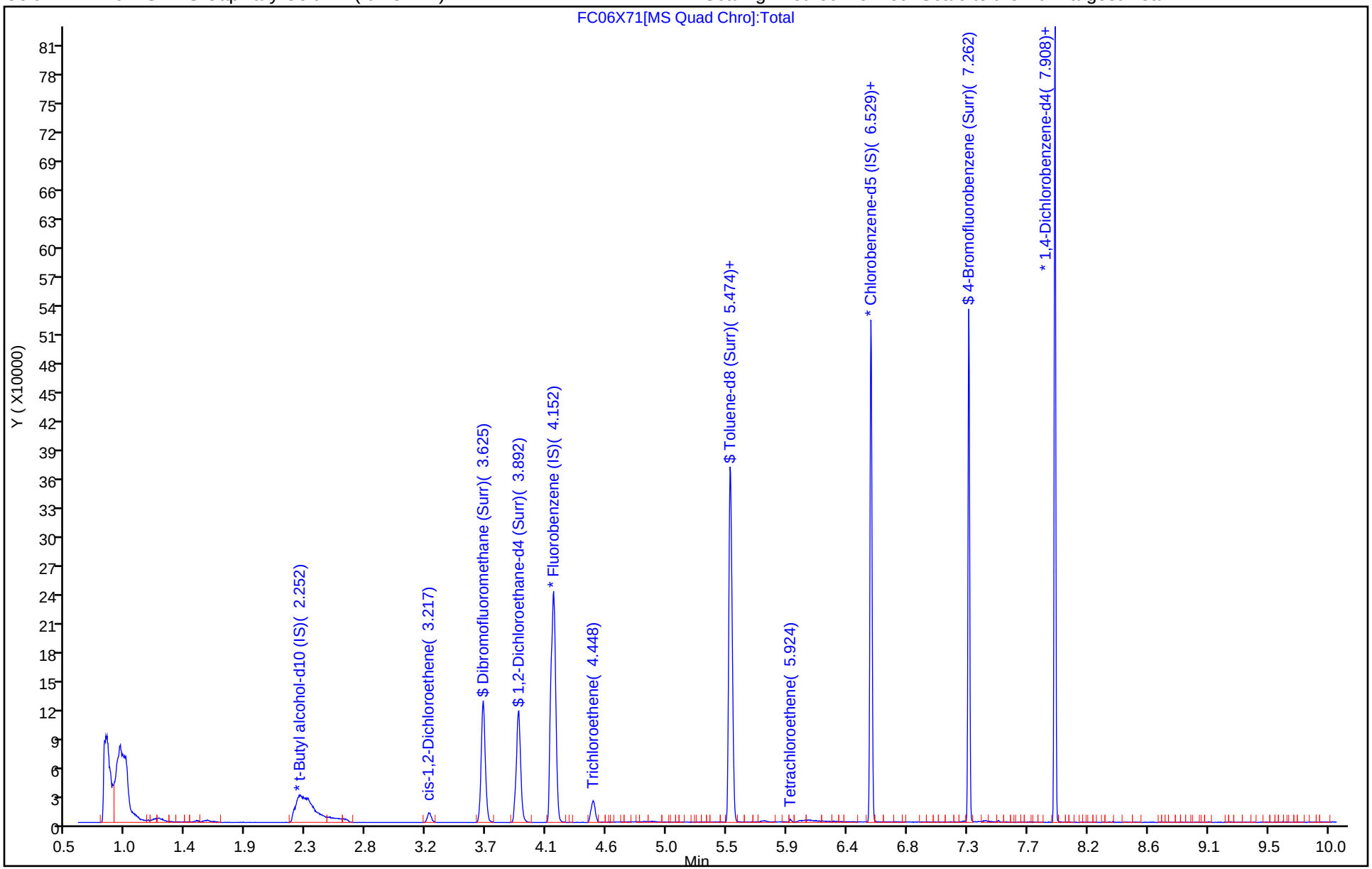
MSV_Cent_ISSS_00031 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 07-Oct-2024 15:47:54 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X71.D				
Injection Date:	07-Oct-2024 03:20:29	Instrument ID:	15830	Operator ID:	gaw91131
Lims ID:	410-190648-A-3	Lab Sample ID:	410-190648-3	Worklist Smp#:	22
Client ID:	HD-CW-2-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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\15830\20241006-126925.b\FC06X71.D
Lims ID: 410-190648-A-3
Client ID: HD-CW-2-0/1-0
Sample Type: Client
Inject. Date: 07-Oct-2024 03:20:29 ALS Bottle#: 0 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-022
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:47:54 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

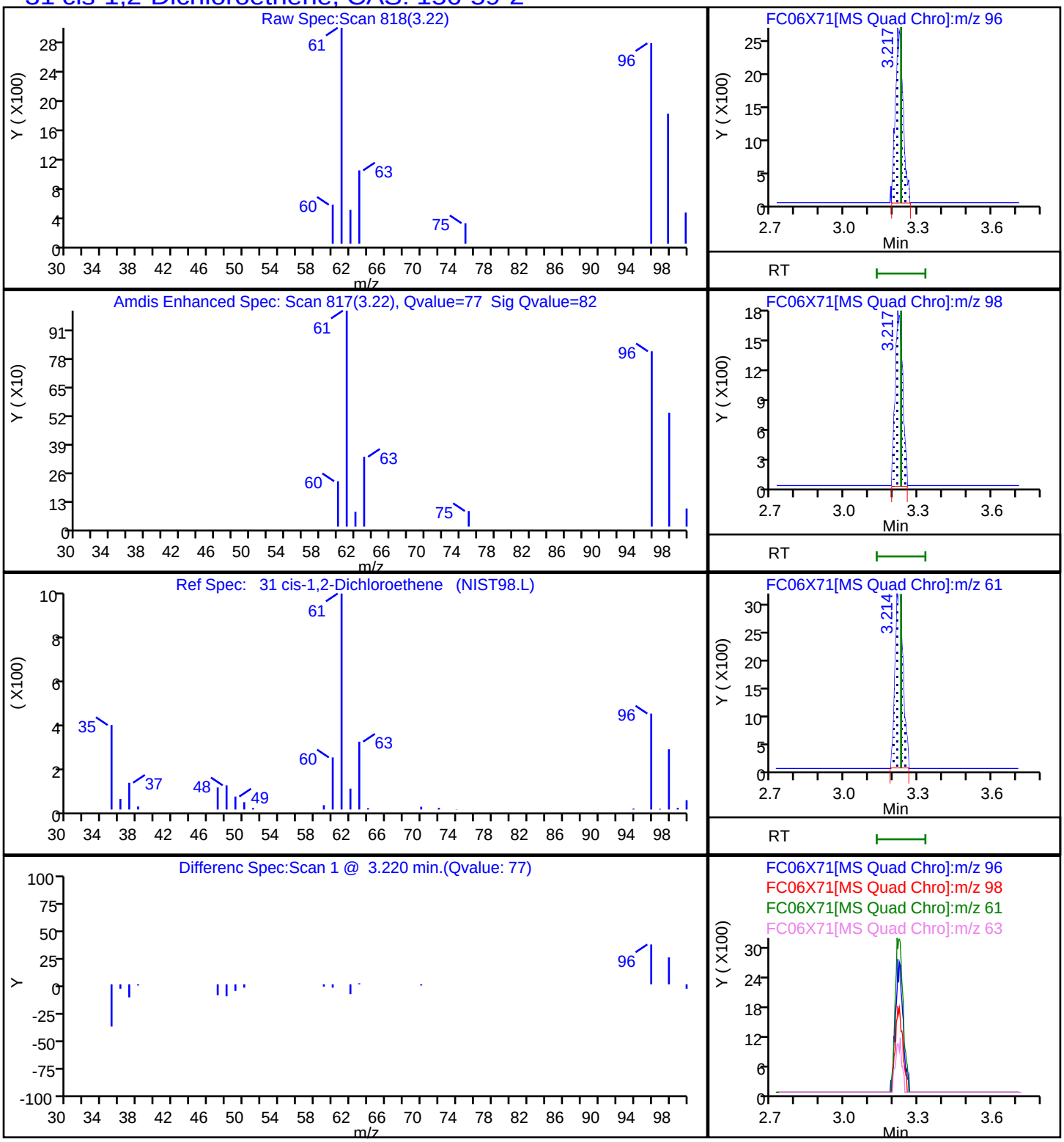
First Level Reviewer: EV4P Date: 07-Oct-2024 15:47:54

Compound	Amount Added	Amount Recovered	% Rec.
$ 41 Dibromofluoromethane (Surr)	50.0	55.2	110.38
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	56.3	112.67
$ 65 Toluene-d8 (Surr)	50.0	50.1	100.13
$ 86 4-Bromofluorobenzene (Surr)	50.0	51.8	103.53

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X71.D				
Injection Date:	07-Oct-2024 03:20:29	Instrument ID:	15830		
Lims ID:	410-190648-A-3	Lab Sample ID:	410-190648-3		
Client ID:	HD-CW-2-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

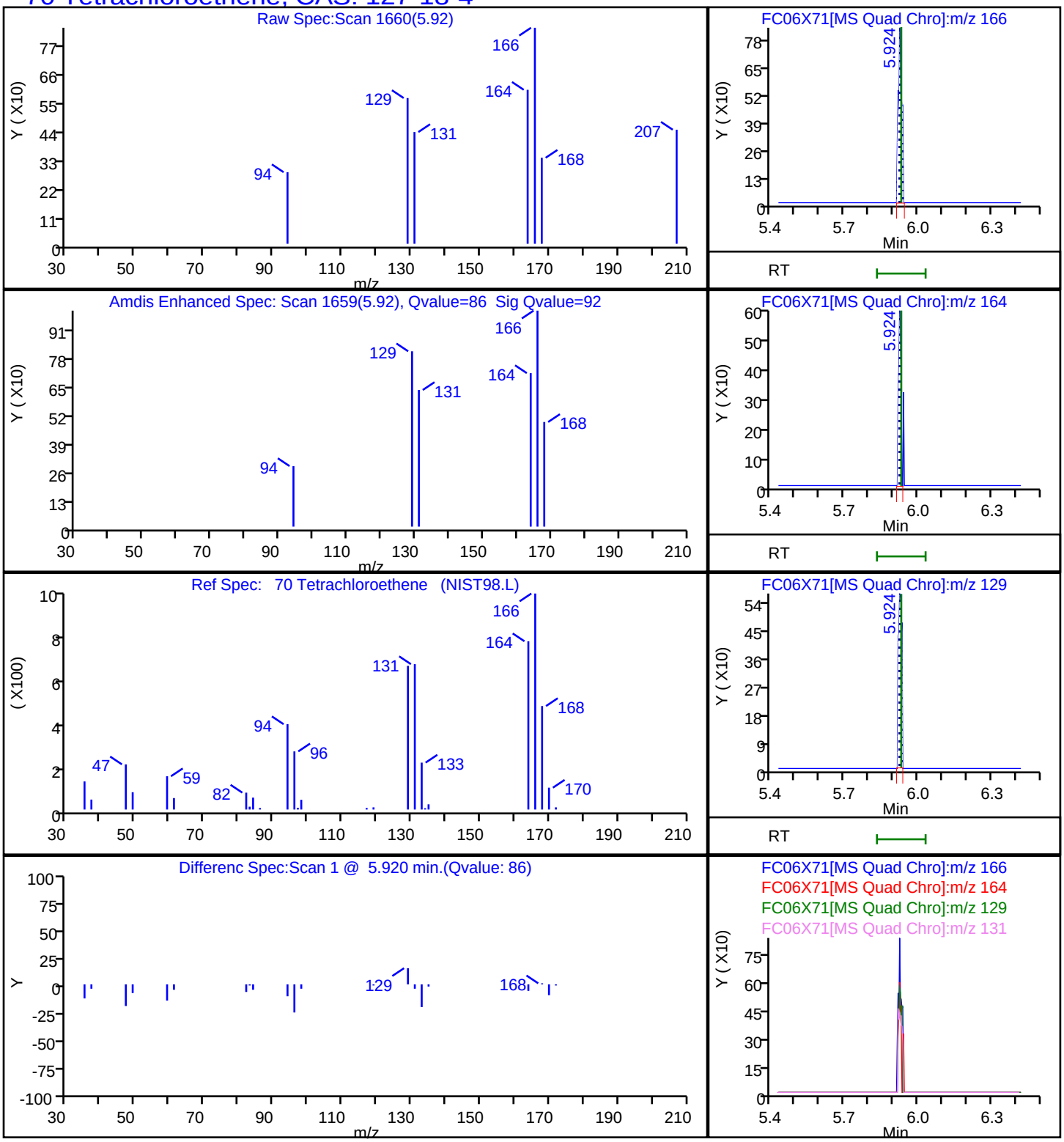
31 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X71.D				
Injection Date:	07-Oct-2024 03:20:29	Instrument ID:	15830		
Lims ID:	410-190648-A-3	Lab Sample ID:	410-190648-3		
Client ID:	HD-CW-2-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

70 Tetrachloroethene, CAS: 127-18-4



Report Date: 07-Oct-2024 15:47:54 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X71.D

Injection Date: 07-Oct-2024 03:20:29 Instrument ID: 15830

Lims ID: 410-190648-A-3 Lab Sample ID: 410-190648-3

Client ID: HD-CW-2-0/1-0

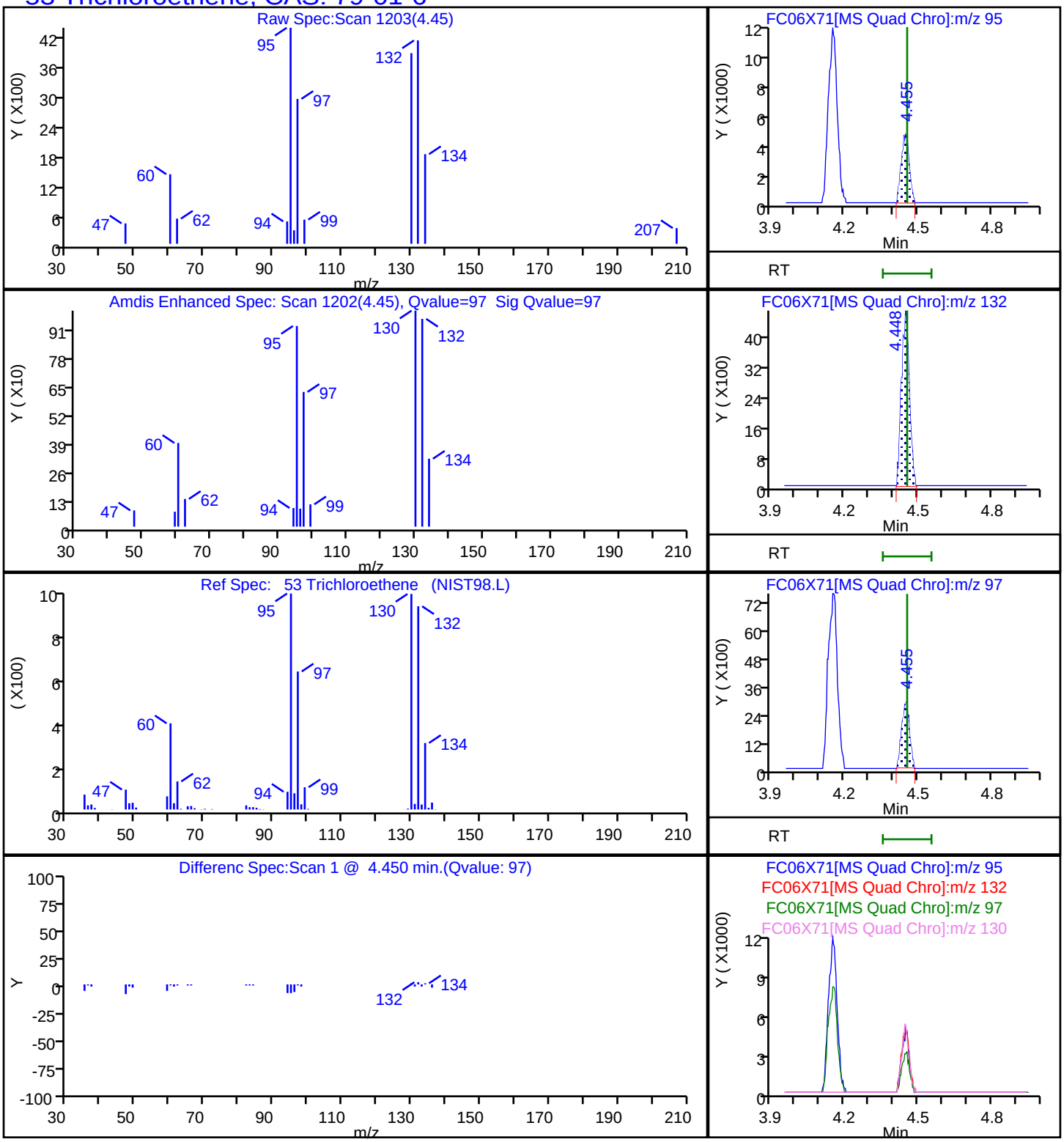
Operator ID: gaw91131 ALS Bottle#: 0 Worklist Smp#: 22

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D

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

53 Trichloroethene, CAS: 79-01-6



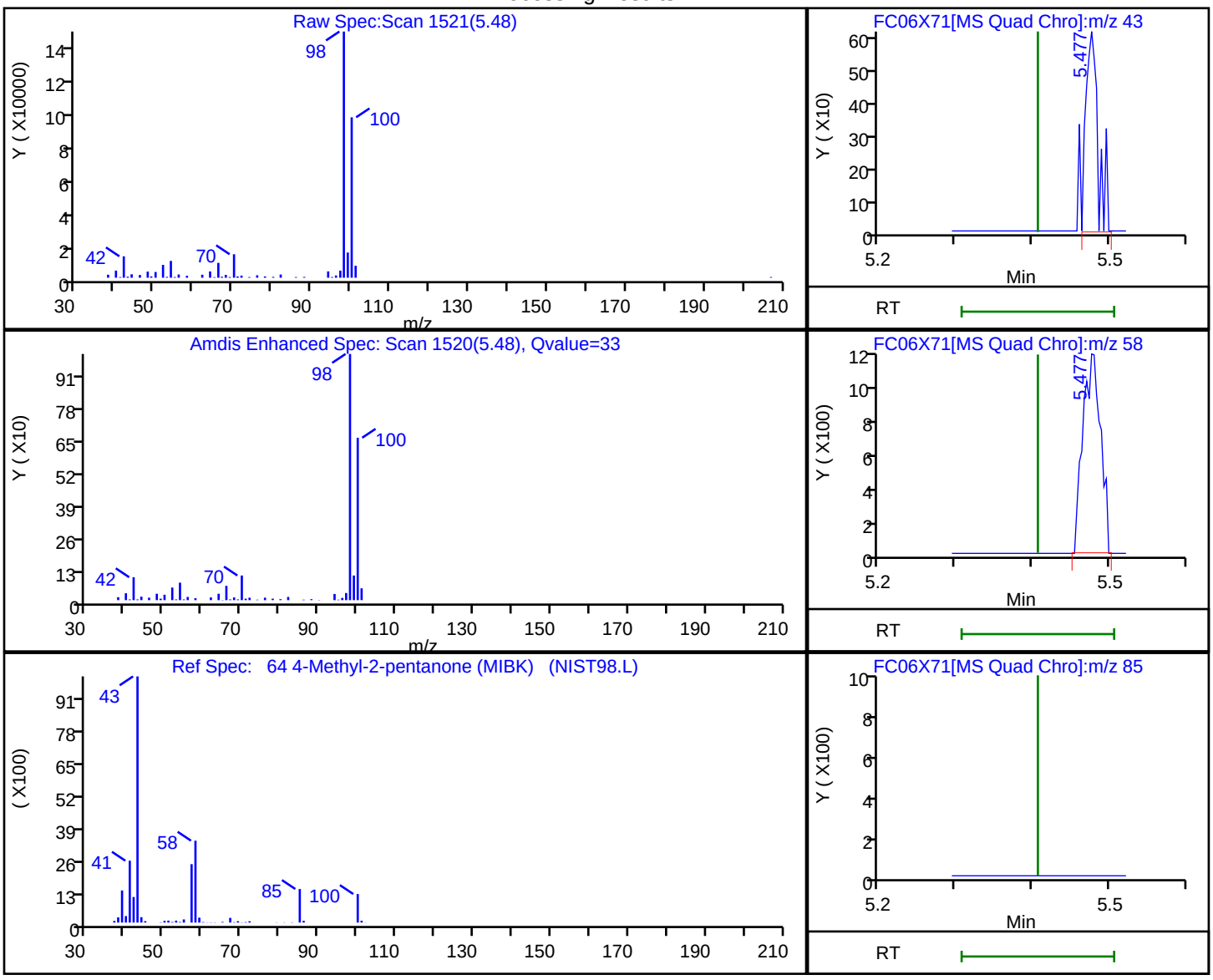
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X71.D				
Injection Date:	07-Oct-2024 03:20:29	Instrument ID:	15830		
Lims ID:	410-190648-A-3	Lab Sample ID:	410-190648-3		
Client ID:	HD-CW-2-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

64 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.48	43.00	668	4.959939
5.48	58.00	1869	
5.41	85.00	0	
5.47	100.00	170577	

Reviewer: EV4P, 07-Oct-2024 15:47:41 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.: 410-190648-1

SDG No.:

Client Sample ID: HD-MW-143D-0/1-0
Lab Sample ID: 410-190648-4

Matrix: Water
Lab File ID: FC06X72.D

Analysis Method: 8260D
Date Collected: 10/01/2024 14:27

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 03:39

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	0.50
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	3.7		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190648-1

SDG No.:

Client Sample ID: HD-MW-143D-0/1-0
Lab Sample ID: 410-190648-4

Matrix: Water
Lab File ID: FC06X72.D

Analysis Method: 8260D
Date Collected: 10/01/2024 14:27

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 03:39

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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)	108		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		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\15830\20241006-126925.b\FC06X72.D
Lims ID: 410-190648-A-4
Client ID: HD-MW-143D-0/1-0
Sample Type: Client
Inject. Date: 07-Oct-2024 03:39:43 ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-023
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:48:32 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: EV4P Date: 07-Oct-2024 15:48:32

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	2 Chloromethane	50		1.143				ND	
	3 Vinyl chloride	62		1.201				ND	
	5 Bromomethane	94		1.387				ND	
	6 Chloroethane	64		1.410				ND	
	10 1,1-Dichloroethene	96		1.854				ND	
	11 Acetone	58		1.889				ND	
	14 Carbon disulfide	76		2.014				ND	
	19 Methylene Chloride	84		2.233				ND	
*	20 t-Butyl alcohol-d10 (IS)	65	2.246	2.297	-0.051	90	168977	250.0	
	24 trans-1,2-Dichloroethene	96		2.429				ND	
	25 Methyl tert-butyl ether	73		2.439				ND	
	27 1,1-Dichloroethane	63		2.776				ND	
	31 cis-1,2-Dichloroethene	96	3.217	3.230	-0.013	78	6514	3.74	
	32 2-Butanone (MEK)	43		3.236				ND	
	36 Chlorobromomethane	128		3.416				ND	
	39 Chloroform	83		3.506				ND	
	40 1,1,1-Trichloroethane	97		3.632				ND	
$	41 Dibromofluoromethane (Surr)	113	3.622	3.632	-0.010	94	86731	54.3	
	43 Carbon tetrachloride	117		3.751				ND	
$	46 1,2-Dichloroethane-d4 (Surr)	102	3.889	3.899	-0.010	45	22132	54.1	
	47 Benzene	78		3.908				ND	
	48 1,2-Dichloroethane	62		3.960				ND	
*	50 Fluorobenzene (IS)	96	4.149	4.162	-0.013	99	318384	50.0	
	53 Trichloroethene	95		4.455				ND	
	55 1,2-Dichloropropane	63		4.667				ND	
	60 Dichlorobromomethane	83		4.899				ND	
	63 cis-1,3-Dichloropropene	75		5.262				ND	
	64 4-Methyl-2-pentanone (MIBK)	43		5.407				ND	U
$	65 Toluene-d8 (Surr)	98	5.474	5.481	-0.007	93	272267	49.0	
	66 Toluene	92		5.535				ND	
	67 trans-1,3-Dichloropropene	75		5.738				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
69 1,1,2-Trichloroethane	97		5.879				ND	
70 Tetrachloroethene	166		5.931				ND	
73 2-Hexanone	43		6.050				ND	
74 Chlorodibromomethane	129		6.143				ND	
75 Ethylene Dibromide	107		6.214				ND	
* 76 Chlorobenzene-d5 (IS)	117	6.529	6.532	-0.003	84	209228	50.0	
77 Chlorobenzene	112		6.551				ND	
79 1,1,1,2-Tetrachloroethane	131		6.616				ND	
80 Ethylbenzene	91		6.622				ND	7
81 m-Xylene & p-Xylene	106		6.706				ND	
82 o-Xylene	106		6.944				ND	
83 Styrene	104		6.956				ND	
84 Bromoform	173		7.056				ND	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	93	102606	50.2	
88 1,1,2,2-Tetrachloroethane	83		7.352				ND	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	94	128518	50.0	
S 138 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_Cent_ISSS_00031 Amount Added: 5.00 Units: uL Run Reagent

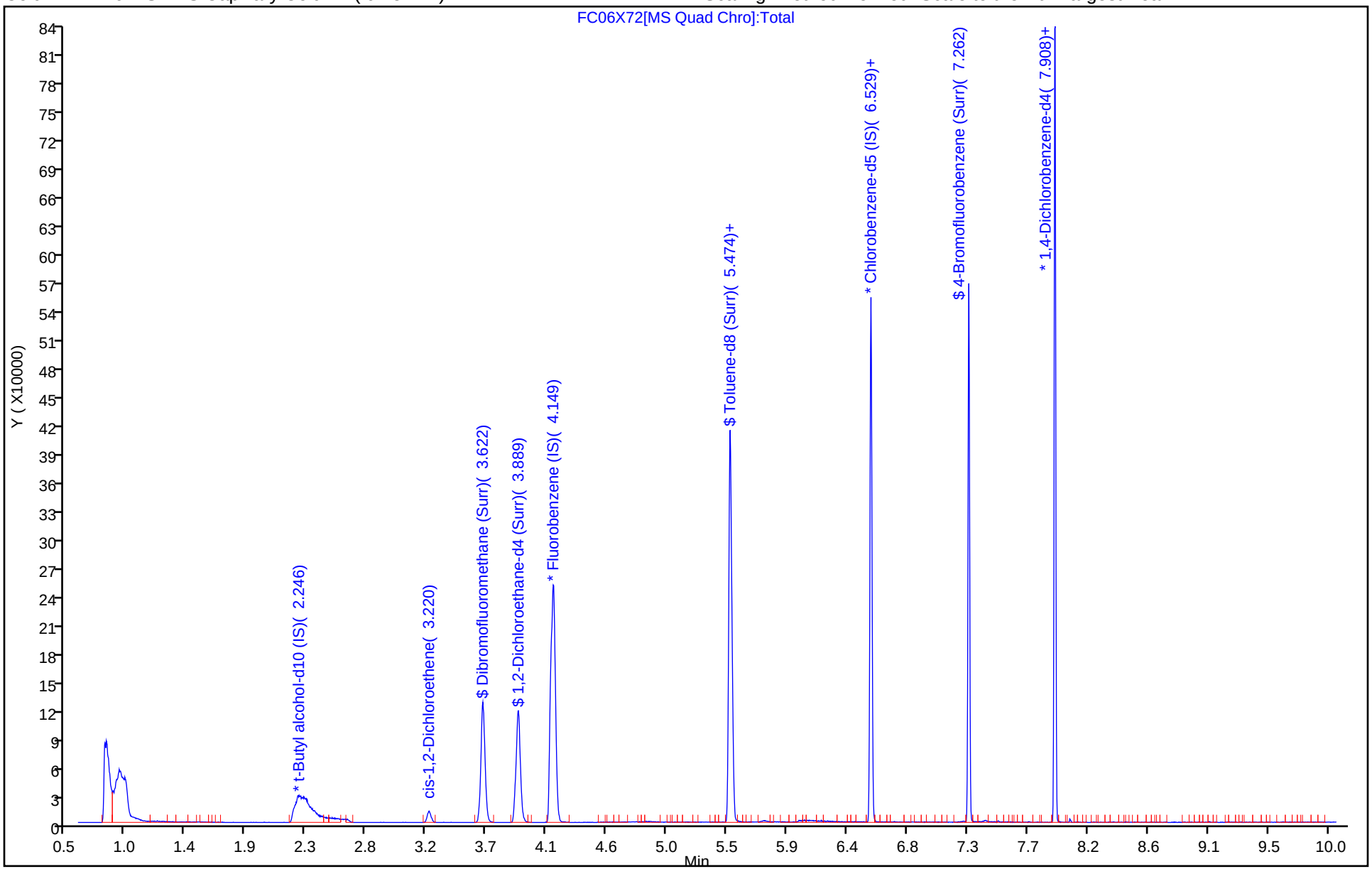
Report Date: 07-Oct-2024 15:48:33 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X72.D

Injection Date:	07-Oct-2024 03:39:43	Instrument ID:	15830	Operator ID:	gaw91131
Lims ID:	410-190648-A-4	Lab Sample ID:	410-190648-4	Worklist Smp#:	23
Client ID:	HD-MW-143D-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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\15830\20241006-126925.b\FC06X72.D
Lims ID: 410-190648-A-4
Client ID: HD-MW-143D-0/1-0
Sample Type: Client
Inject. Date: 07-Oct-2024 03:39:43 ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-023
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:48:32 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

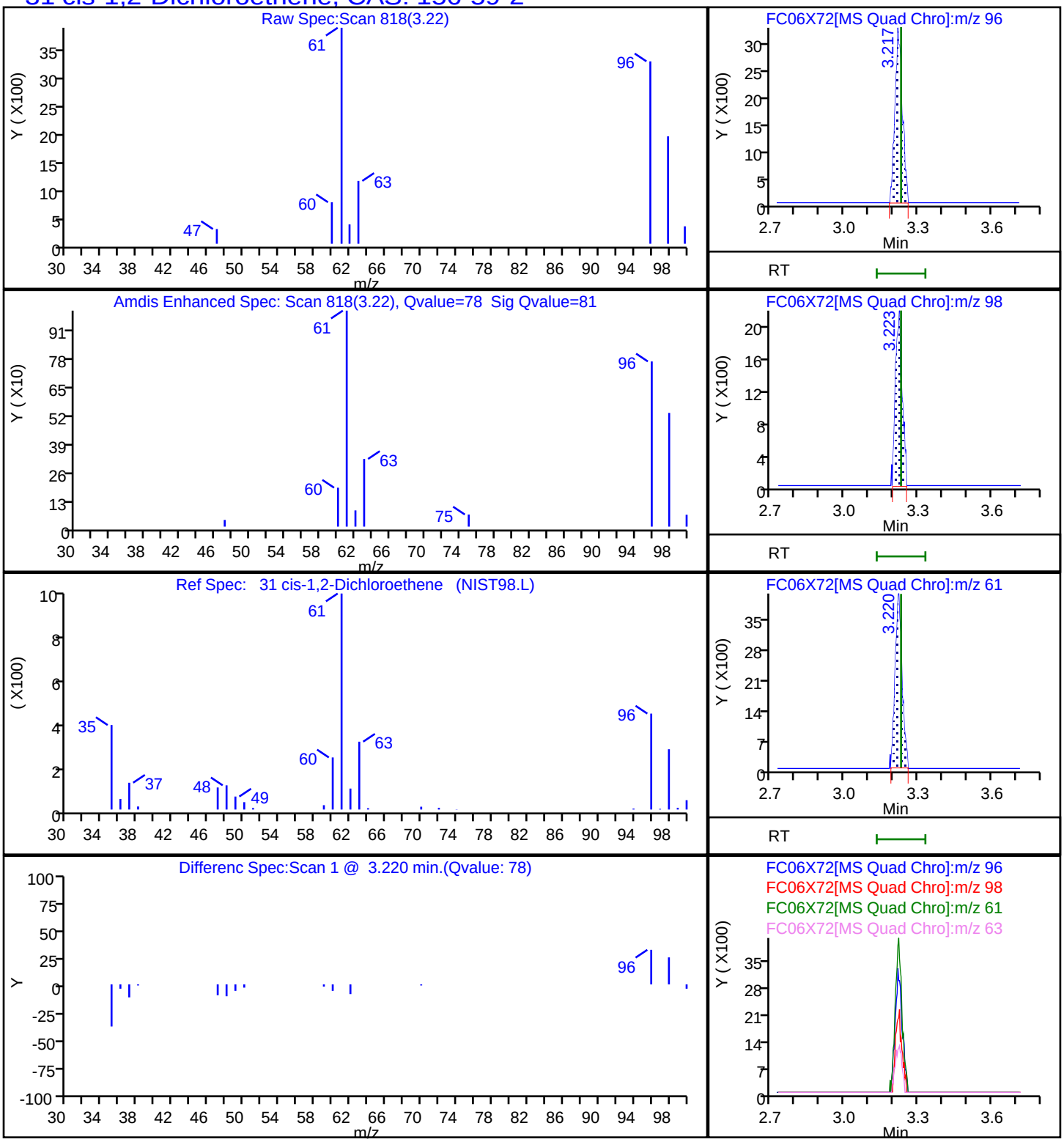
First Level Reviewer: EV4P Date: 07-Oct-2024 15:48:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 41 Dibromofluoromethane (Surr)	50.0	54.3	108.67
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	54.1	108.11
$ 65 Toluene-d8 (Surr)	50.0	49.0	98.07
$ 86 4-Bromofluorobenzene (Surr)	50.0	50.2	100.42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X72.D				
Injection Date:	07-Oct-2024 03:39:43	Instrument ID:	15830		
Lims ID:	410-190648-A-4	Lab Sample ID:	410-190648-4		
Client ID:	HD-MW-143D-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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



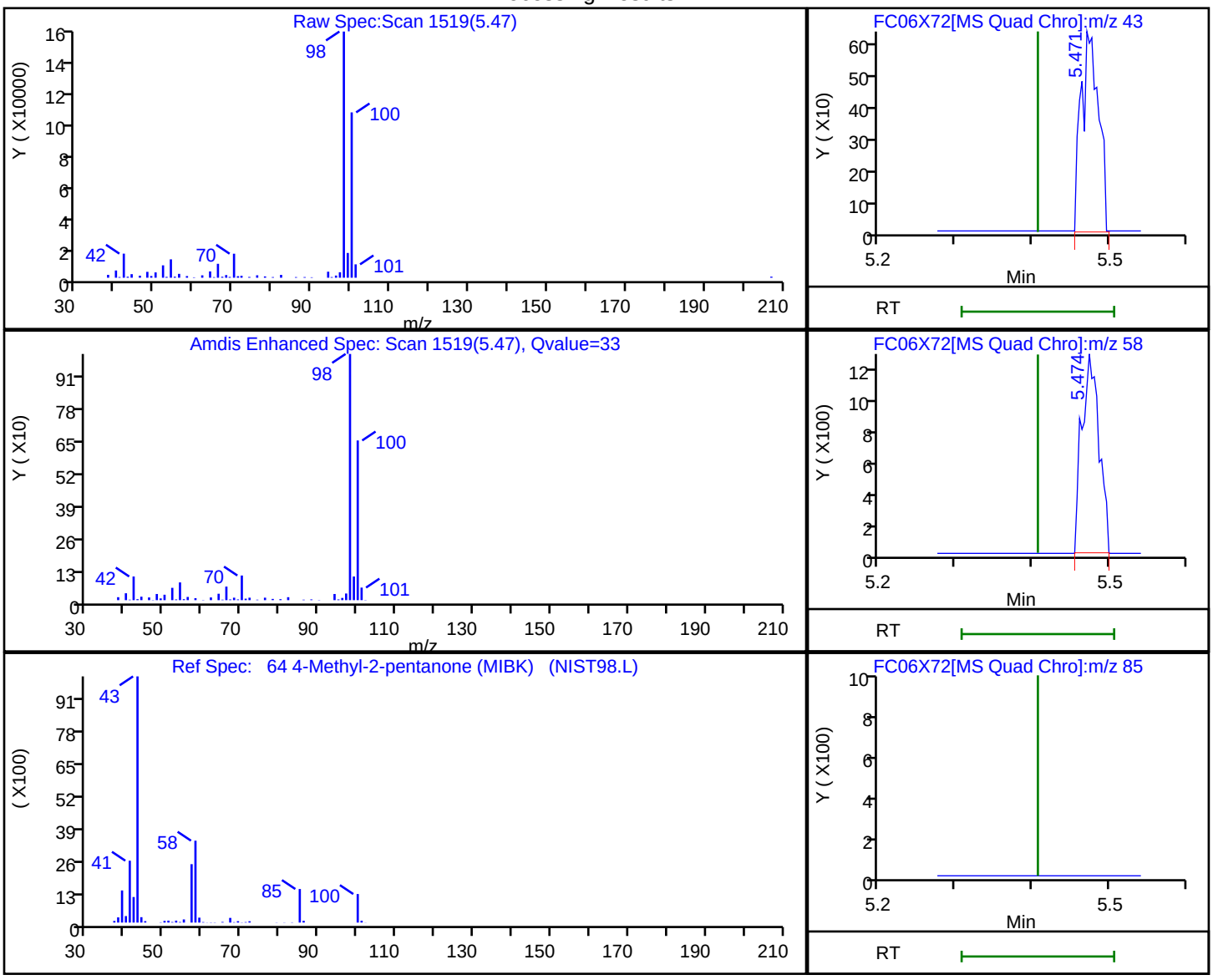
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X72.D				
Injection Date:	07-Oct-2024 03:39:43	Instrument ID:	15830		
Lims ID:	410-190648-A-4	Lab Sample ID:	410-190648-4		
Client ID:	HD-MW-143D-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

64 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.47	43.00	1013	5.067383
5.47	58.00	1970	
5.41	85.00	0	
5.47	100.00	178077	

Reviewer: EV4P, 07-Oct-2024 15:48:15 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.: 410-190648-1

SDG No.:

Client Sample ID: HD-MW-12-0/1-0
Lab Sample ID: 410-190648-5

Matrix: Water
Lab File ID: FC06X73.D

Analysis Method: 8260D
Date Collected: 10/01/2024 15:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 03:58

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	0.50
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	75		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	3.2		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190648-1

SDG No.:

Client Sample ID: HD-MW-12-0/1-0
Lab Sample ID: 410-190648-5

Matrix: Water
Lab File ID: FC06X73.D

Analysis Method: 8260D
Date Collected: 10/01/2024 15:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 03:58

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	55		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)	114		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	110		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\15830\20241006-126925.b\FC06X73.D
Lims ID: 410-190648-A-5
Client ID: HD-MW-12-0/1-0
Sample Type: Client
Inject. Date: 07-Oct-2024 03:58:56 ALS Bottle#: 0 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-024
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:49:10 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: EV4P Date: 07-Oct-2024 15:49:40

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	2 Chloromethane	50		1.143				ND	
	3 Vinyl chloride	62		1.201				ND	
	5 Bromomethane	94		1.387				ND	
	6 Chloroethane	64		1.410				ND	
	10 1,1-Dichloroethene	96		1.854				ND	
	11 Acetone	58		1.889				ND	
	14 Carbon disulfide	76		2.014				ND	
	19 Methylene Chloride	84		2.233				ND	
*	20 t-Butyl alcohol-d10 (IS)	65	2.256	2.297	-0.041	91	174702	250.0	
	24 trans-1,2-Dichloroethene	96		2.429				ND	
	25 Methyl tert-butyl ether	73		2.439				ND	
	27 1,1-Dichloroethane	63		2.776				ND	
	31 cis-1,2-Dichloroethene	96	3.220	3.230	-0.010	79	126821	74.9	
	32 2-Butanone (MEK)	43		3.236				ND	
	36 Chlorobromomethane	128		3.416				ND	
	39 Chloroform	83		3.506				ND	
	40 1,1,1-Trichloroethane	97		3.632				ND	
$	41 Dibromofluoromethane (Surr)	113	3.625	3.632	-0.007	94	85058	54.8	
	43 Carbon tetrachloride	117		3.751				ND	
$	46 1,2-Dichloroethane-d4 (Surr)	102	3.889	3.899	-0.010	45	22665	56.9	
	47 Benzene	78		3.908				ND	
	48 1,2-Dichloroethane	62		3.960				ND	
*	50 Fluorobenzene (IS)	96	4.153	4.162	-0.009	99	309601	50.0	
	53 Trichloroethene	95	4.452	4.455	-0.003	97	88687	54.7	
	55 1,2-Dichloropropane	63		4.667				ND	
	60 Dichlorobromomethane	83		4.899				ND	
	63 cis-1,3-Dichloropropene	75		5.262				ND	
	64 4-Methyl-2-pentanone (MIBK)	43		5.407				ND	U
$	65 Toluene-d8 (Surr)	98	5.474	5.481	-0.007	93	259553	50.3	
	66 Toluene	92		5.535				ND	
	67 trans-1,3-Dichloropropene	75		5.738				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
69 1,1,2-Trichloroethane	97		5.879				ND	
70 Tetrachloroethene	166	5.927	5.931	-0.004	95	4606	3.16	
73 2-Hexanone	43		6.050				ND	
74 Chlorodibromomethane	129		6.143				ND	
75 Ethylene Dibromide	107		6.214				ND	
* 76 Chlorobenzene-d5 (IS)	117	6.529	6.532	-0.003	85	194345	50.0	
77 Chlorobenzene	112		6.551				ND	
79 1,1,1,2-Tetrachloroethane	131		6.616				ND	
80 Ethylbenzene	91		6.622				ND	7
81 m-Xylene & p-Xylene	106		6.706				ND	
82 o-Xylene	106		6.944				ND	
83 Styrene	104		6.956				ND	
84 Bromoform	173		7.056				ND	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	92	97206	51.2	
88 1,1,2,2-Tetrachloroethane	83		7.352				ND	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	94	121425	50.0	
S 138 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

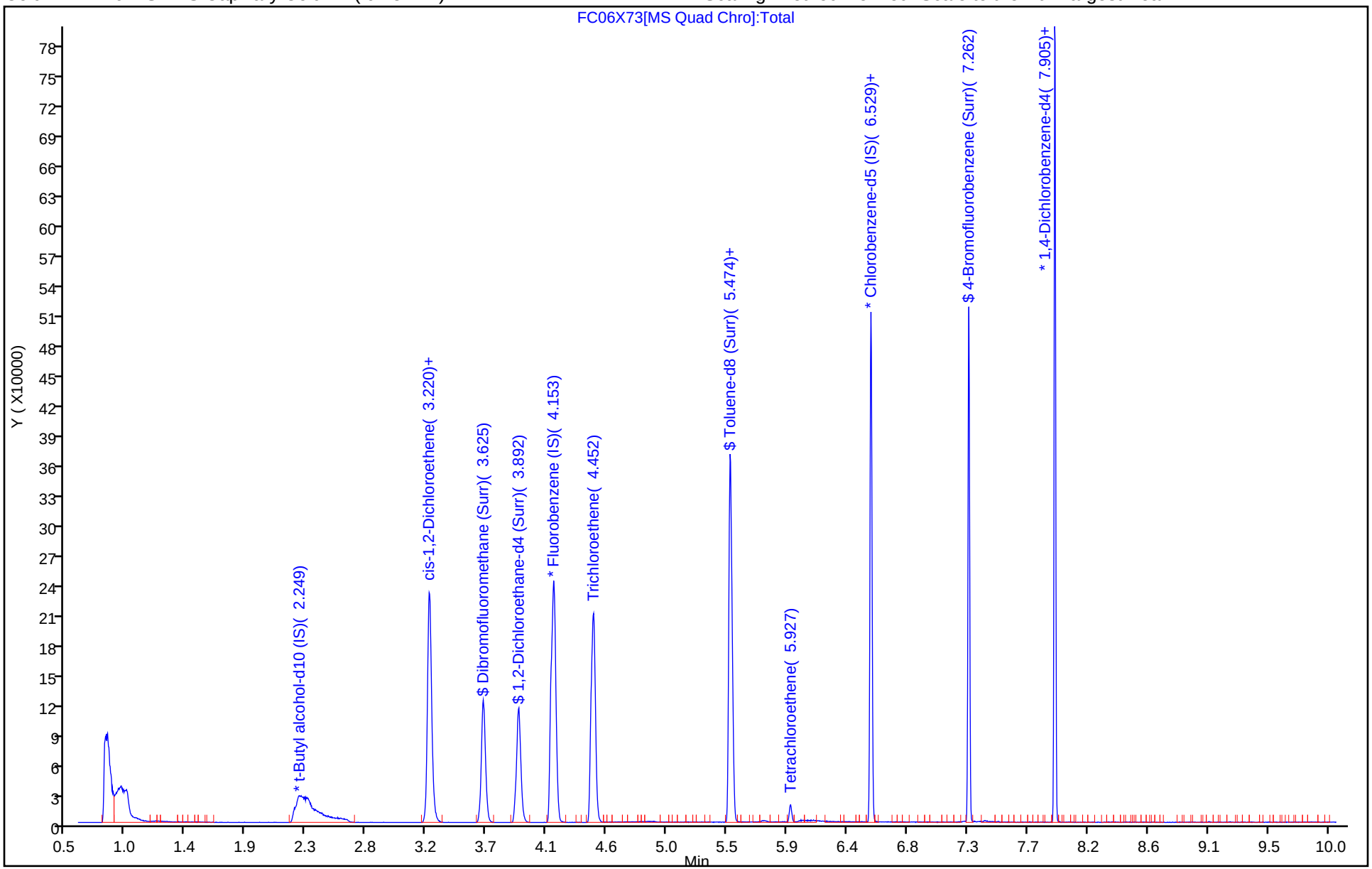
MSV_Cent_ISSS_00031 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 07-Oct-2024 15:49:41 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X73.D				
Injection Date:	07-Oct-2024 03:58:56	Instrument ID:	15830	Operator ID:	gaw91131
Lims ID:	410-190648-A-5	Lab Sample ID:	410-190648-5	Worklist Smp#:	24
Client ID:	HD-MW-12-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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\15830\20241006-126925.b\FC06X73.D
Lims ID: 410-190648-A-5
Client ID: HD-MW-12-0/1-0
Sample Type: Client
Inject. Date: 07-Oct-2024 03:58:56 ALS Bottle#: 0 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-024
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:49:10 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

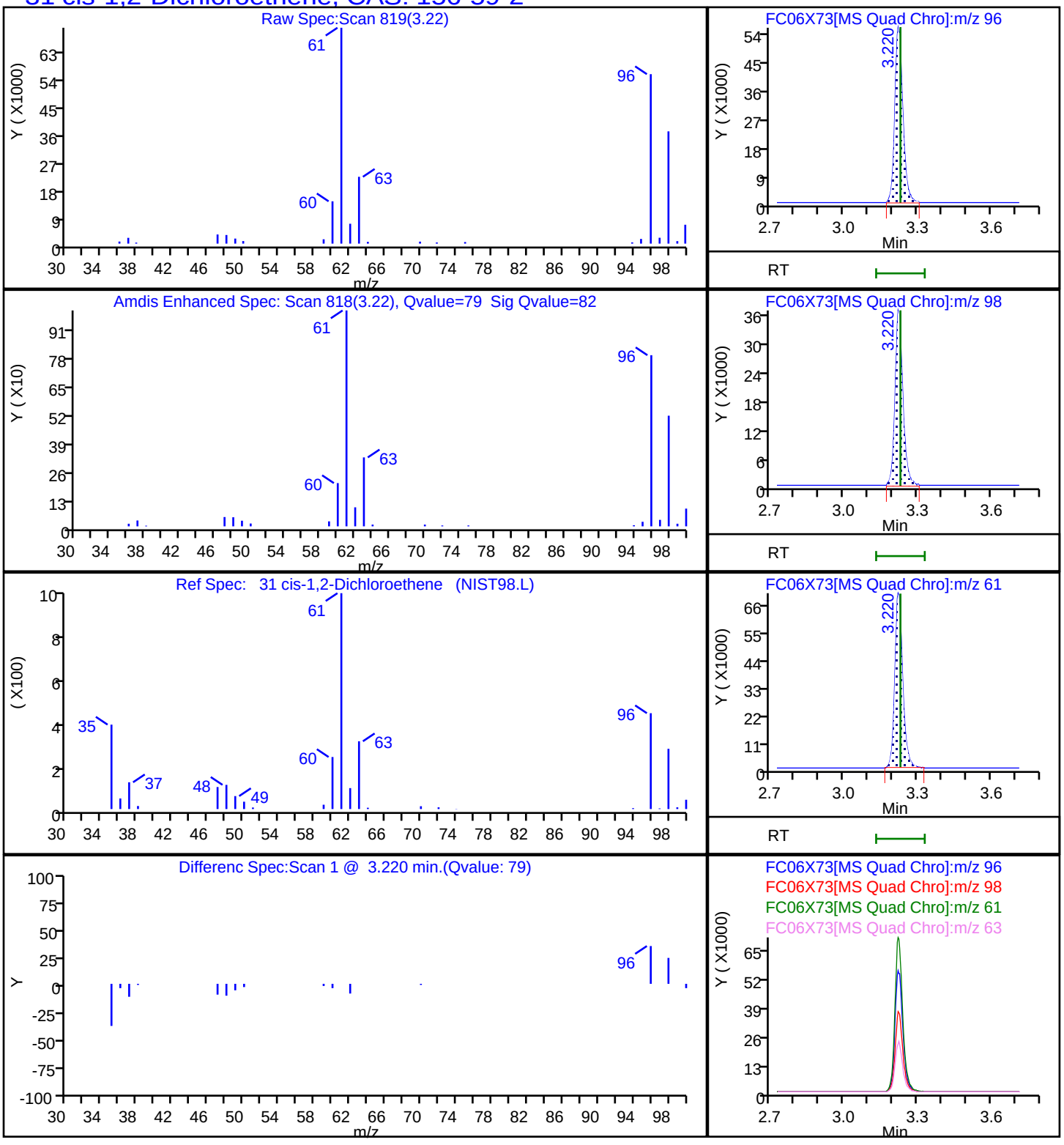
First Level Reviewer: EV4P Date: 07-Oct-2024 15:49:40

Compound	Amount Added	Amount Recovered	% Rec.
$ 41 Dibromofluoromethane (Surr)	50.0	54.8	109.60
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	56.9	113.85
$ 65 Toluene-d8 (Surr)	50.0	50.3	100.65
$ 86 4-Bromofluorobenzene (Surr)	50.0	51.2	102.42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X73.D				
Injection Date:	07-Oct-2024 03:58:56	Instrument ID:	15830		
Lims ID:	410-190648-A-5	Lab Sample ID:	410-190648-5		
Client ID:	HD-MW-12-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

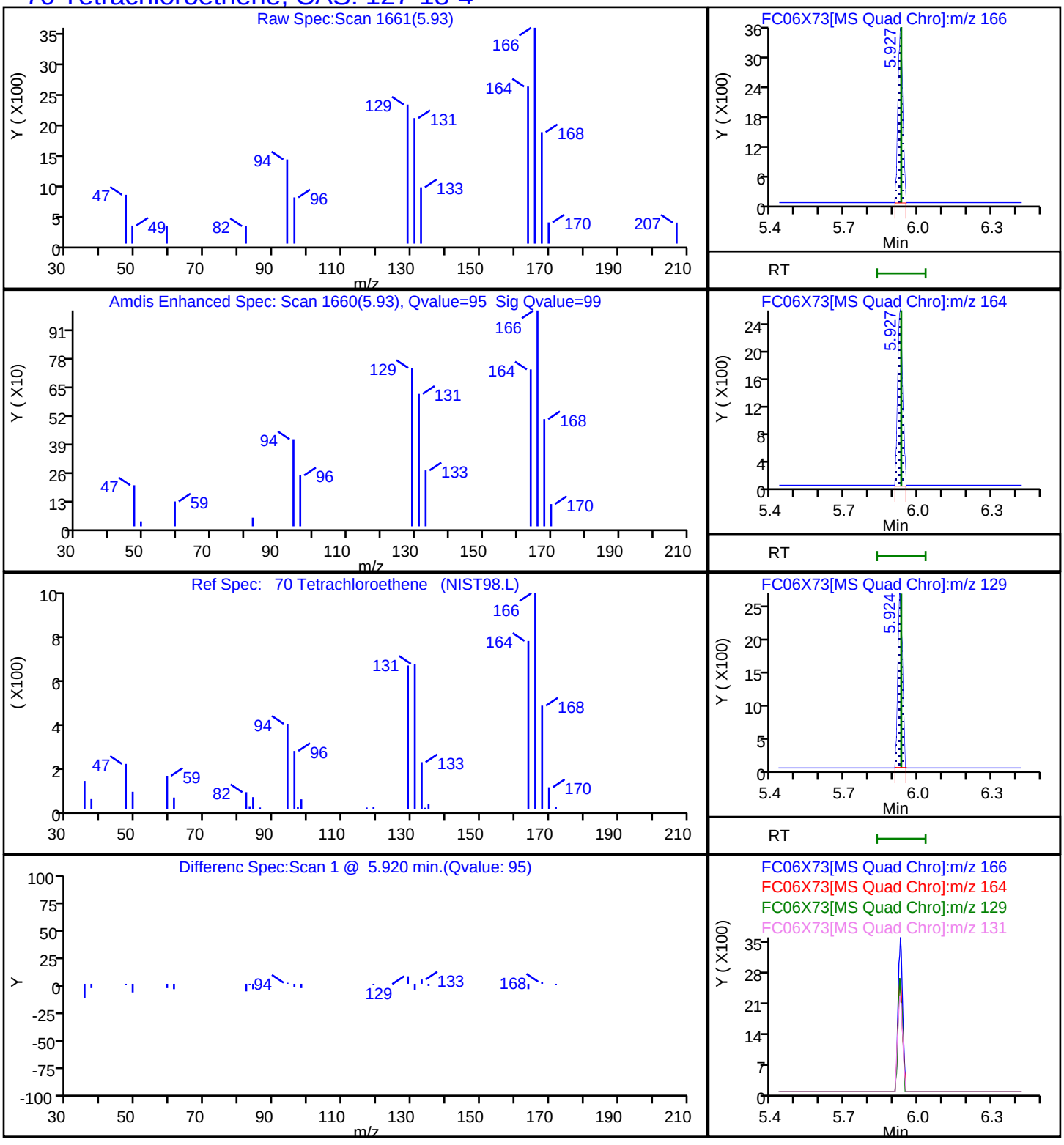
31 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X73.D				
Injection Date:	07-Oct-2024 03:58:56	Instrument ID:	15830		
Lims ID:	410-190648-A-5	Lab Sample ID:	410-190648-5		
Client ID:	HD-MW-12-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

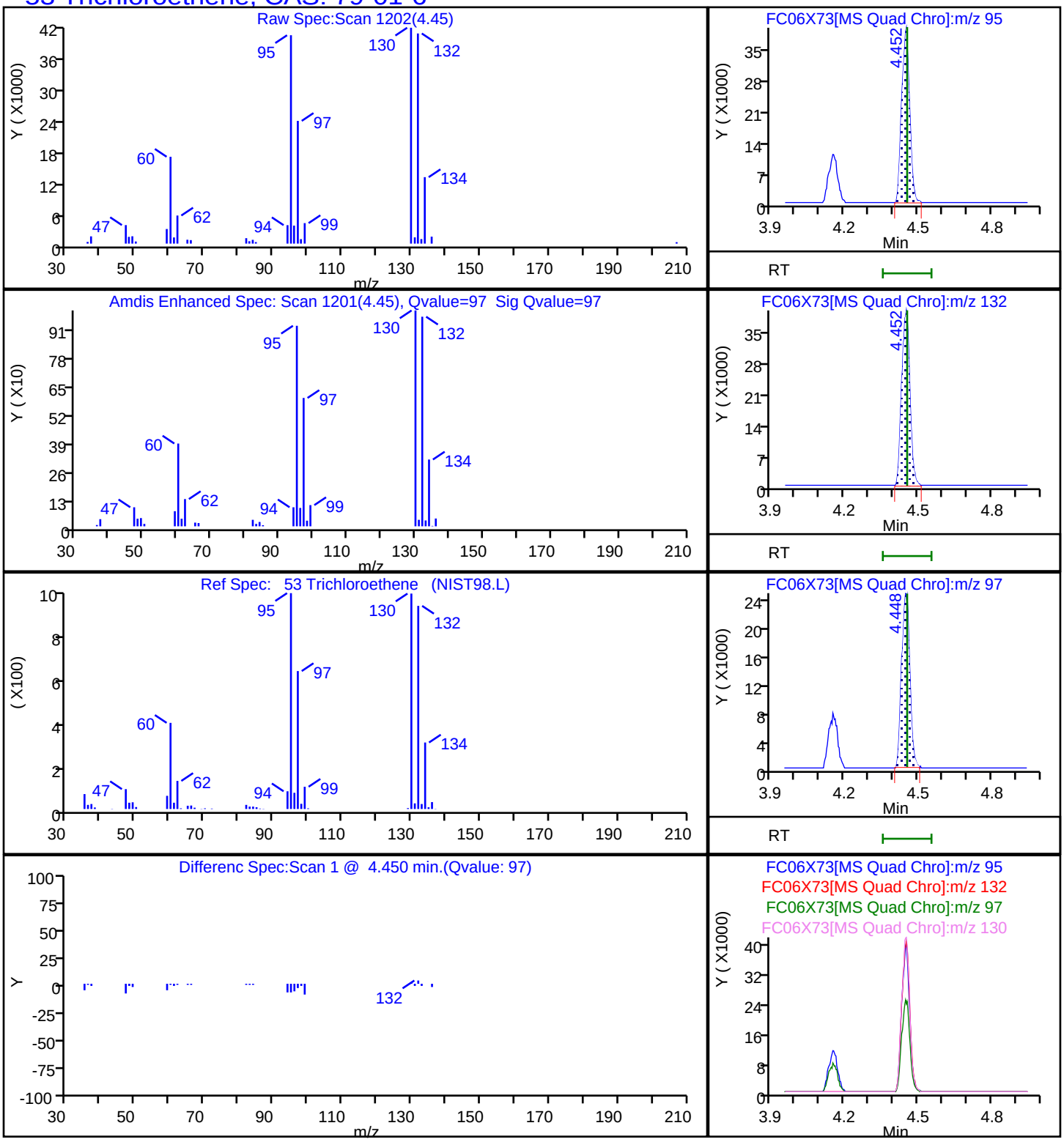
70 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X73.D		
Injection Date:	07-Oct-2024 03:58:56	Instrument ID:	15830
Lims ID:	410-190648-A-5	Lab Sample ID:	410-190648-5
Client ID:	HD-MW-12-0/1-0		
Operator ID:	gaw91131	ALS Bottle#:	0 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad

53 Trichloroethene, CAS: 79-01-6



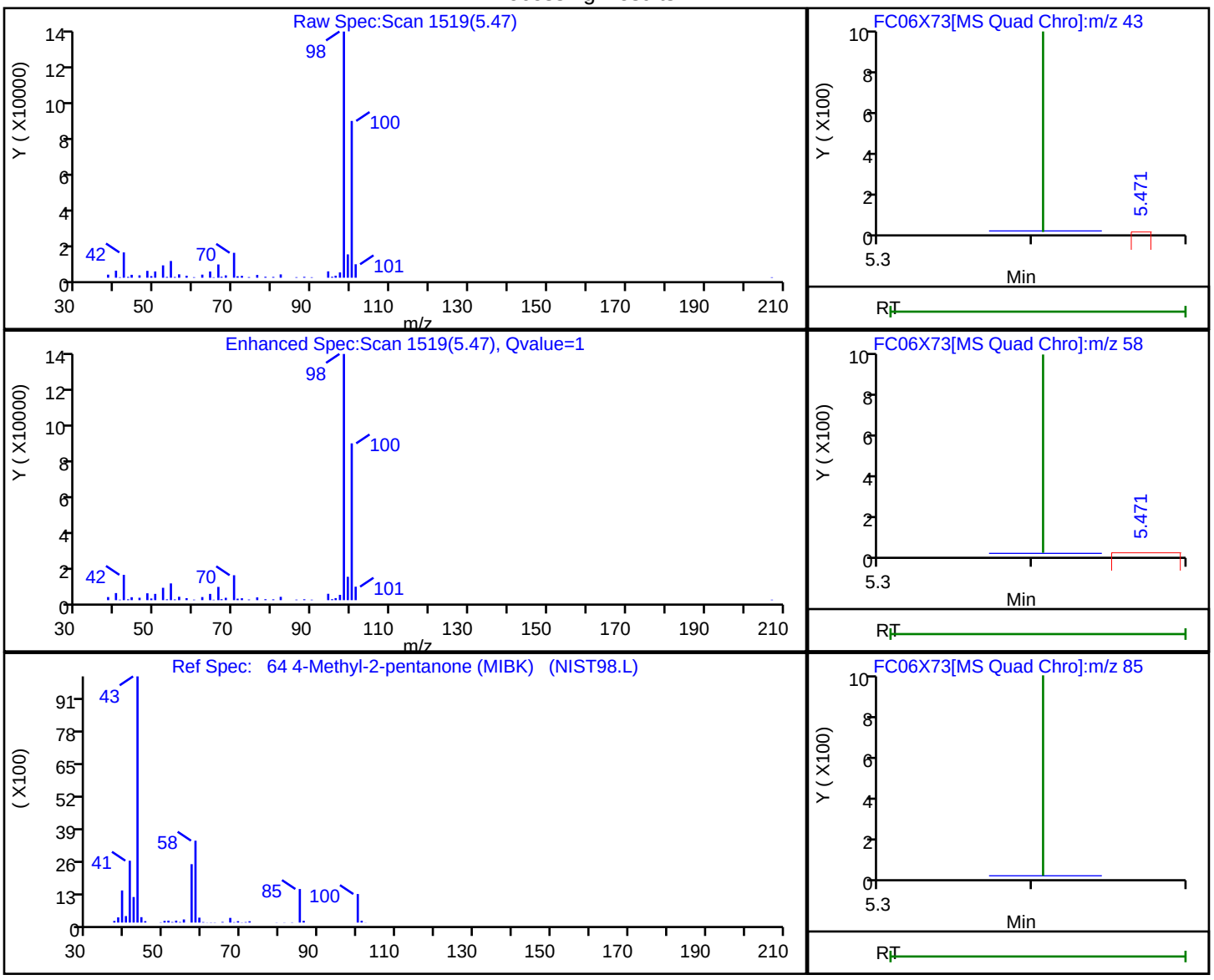
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X73.D				
Injection Date:	07-Oct-2024 03:58:56	Instrument ID:	15830		
Lims ID:	410-190648-A-5	Lab Sample ID:	410-190648-5		
Client ID:	HD-MW-12-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

64 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.47	43.00	337	4.847560
5.47	58.00	1752	
5.41	85.00	0	
5.47	100.00	167610	

Reviewer: EV4P, 07-Oct-2024 15:48:55 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.: 410-190648-1

SDG No.:

Client Sample ID: HD-CW-1A-0/1-0
Lab Sample ID: 410-190648-6

Matrix: Water
Lab File ID: FC06X74.D

Analysis Method: 8260D
Date Collected: 09/30/2024 13:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 04:18

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	0.50
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	1.9		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190648-1

SDG No.:

Client Sample ID: HD-CW-1A-0/1-0
Lab Sample ID: 410-190648-6

Matrix: Water
Lab File ID: FC06X74.D

Analysis Method: 8260D
Date Collected: 09/30/2024 13:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 04:18

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	27		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)	110		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	111		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\15830\20241006-126925.b\FC06X74.D
Lims ID: 410-190648-A-6
Client ID: HD-CW-1A-0/1-0
Sample Type: Client
Inject. Date: 07-Oct-2024 04:18:21 ALS Bottle#: 0 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-025
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:50:35 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: EV4P Date: 07-Oct-2024 15:50:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Chloromethane	50		1.143				ND	
3 Vinyl chloride	62		1.201				ND	
5 Bromomethane	94		1.387				ND	
6 Chloroethane	64		1.410				ND	
10 1,1-Dichloroethene	96		1.854				ND	
11 Acetone	58		1.889				ND	
14 Carbon disulfide	76		2.014				ND	
19 Methylene Chloride	84		2.233				ND	
* 20 t-Butyl alcohol-d10 (IS)	65	2.240	2.297	-0.057	91	173384	250.0	
24 trans-1,2-Dichloroethene	96		2.429				ND	
25 Methyl tert-butyl ether	73		2.439				ND	
27 1,1-Dichloroethane	63		2.776				ND	
31 cis-1,2-Dichloroethene	96	3.214	3.230	-0.016	1	479	0.2843	
32 2-Butanone (MEK)	43		3.236				ND	
36 Chlorobromomethane	128		3.416				ND	
39 Chloroform	83	3.500	3.506	-0.006	1	439	0.1596	
40 1,1,1-Trichloroethane	97		3.632				ND	
$ 41 Dibromofluoromethane (Surr)	113	3.625	3.632	-0.007	94	85489	55.3	
43 Carbon tetrachloride	117		3.751				ND	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.889	3.899	-0.010	45	21816	55.1	
47 Benzene	78		3.908				ND	
48 1,2-Dichloroethane	62		3.960				ND	
* 50 Fluorobenzene (IS)	96	4.150	4.162	-0.012	99	308132	50.0	
53 Trichloroethene	95	4.452	4.455	-0.003	98	43272	26.8	
55 1,2-Dichloropropane	63		4.667				ND	
60 Dichlorobromomethane	83		4.899				ND	
63 cis-1,3-Dichloropropene	75		5.262				ND	
64 4-Methyl-2-pentanone (MIBK)	43		5.407				ND	U
$ 65 Toluene-d8 (Surr)	98	5.474	5.481	-0.007	93	256765	49.0	
66 Toluene	92		5.535				ND	
67 trans-1,3-Dichloropropene	75		5.738				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
69 1,1,2-Trichloroethane	97		5.879				ND	
70 Tetrachloroethene	166	5.921	5.931	-0.010	96	2787	1.88	
73 2-Hexanone	43		6.050				ND	
74 Chlorodibromomethane	129		6.143				ND	
75 Ethylene Dibromide	107		6.214				ND	
* 76 Chlorobenzene-d5 (IS)	117	6.529	6.532	-0.003	85	197409	50.0	
77 Chlorobenzene	112		6.551				ND	
79 1,1,1,2-Tetrachloroethane	131		6.616				ND	
80 Ethylbenzene	91		6.622				ND	7
81 m-Xylene & p-Xylene	106		6.706				ND	
82 o-Xylene	106		6.944				ND	
83 Styrene	104		6.956				ND	
84 Bromoform	173		7.056				ND	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	93	97111	50.4	
88 1,1,2,2-Tetrachloroethane	83		7.352				ND	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	94	123661	50.0	
S 138 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_Cent_ISSS_00031 Amount Added: 5.00 Units: uL Run Reagent

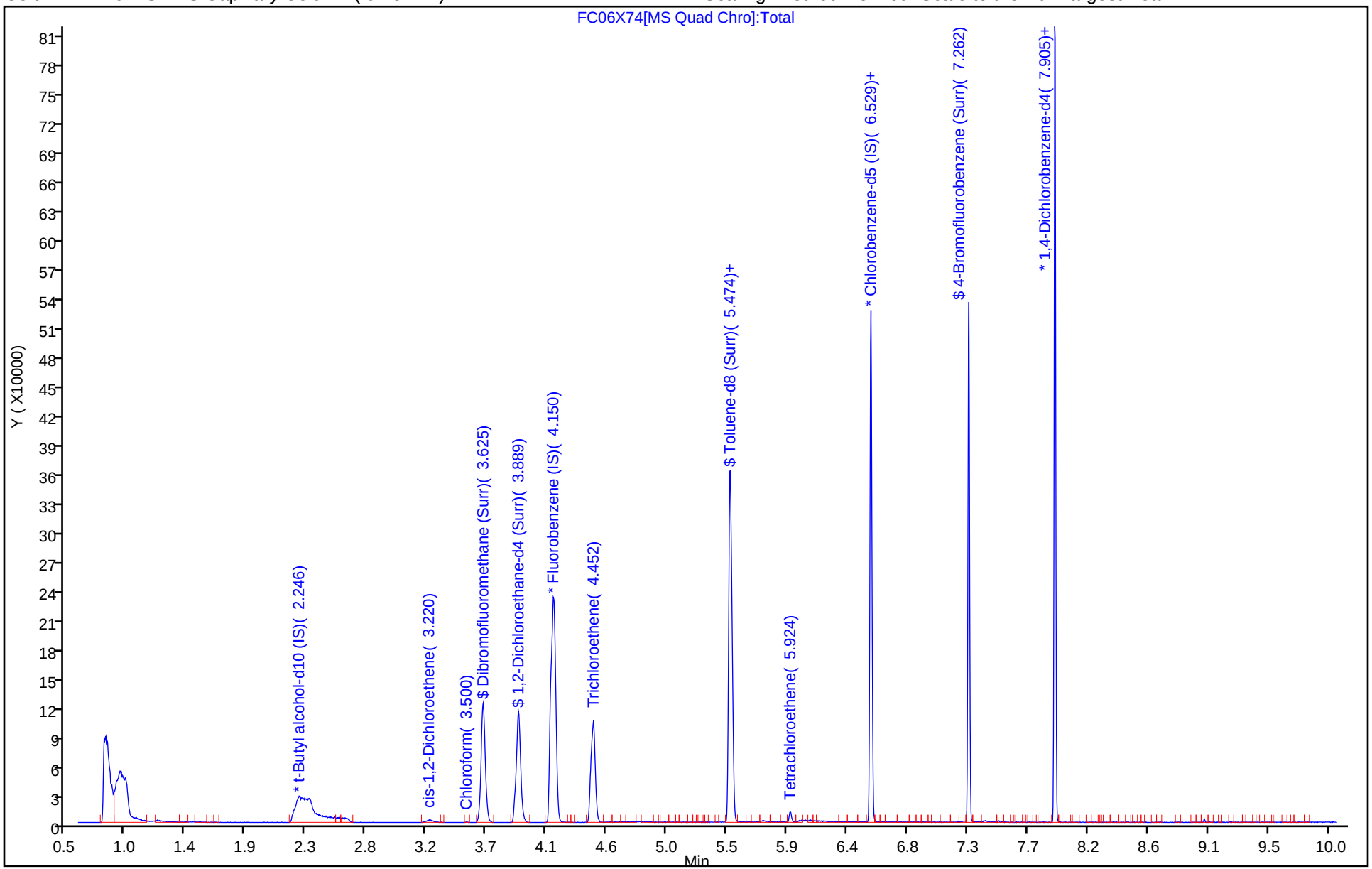
Report Date: 07-Oct-2024 15:50:35 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X74.D

Injection Date:	07-Oct-2024 04:18:21	Instrument ID:	15830	Operator ID:	gaw91131
Lims ID:	410-190648-A-6	Lab Sample ID:	410-190648-6	Worklist Smp#:	25
Client ID:	HD-CW-1A-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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\15830\20241006-126925.b\FC06X74.D				
Lims ID:	410-190648-A-6				
Client ID:	HD-CW-1A-0/1-0				
Sample Type:	Client				
Inject. Date:	07-Oct-2024 04:18:21	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0126925-025				
Operator ID:	gaw91131	Instrument ID:	15830		
Method:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Oct-2024 15:50:35	Calib Date:	27-Jun-2024 21:13:20		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1678				

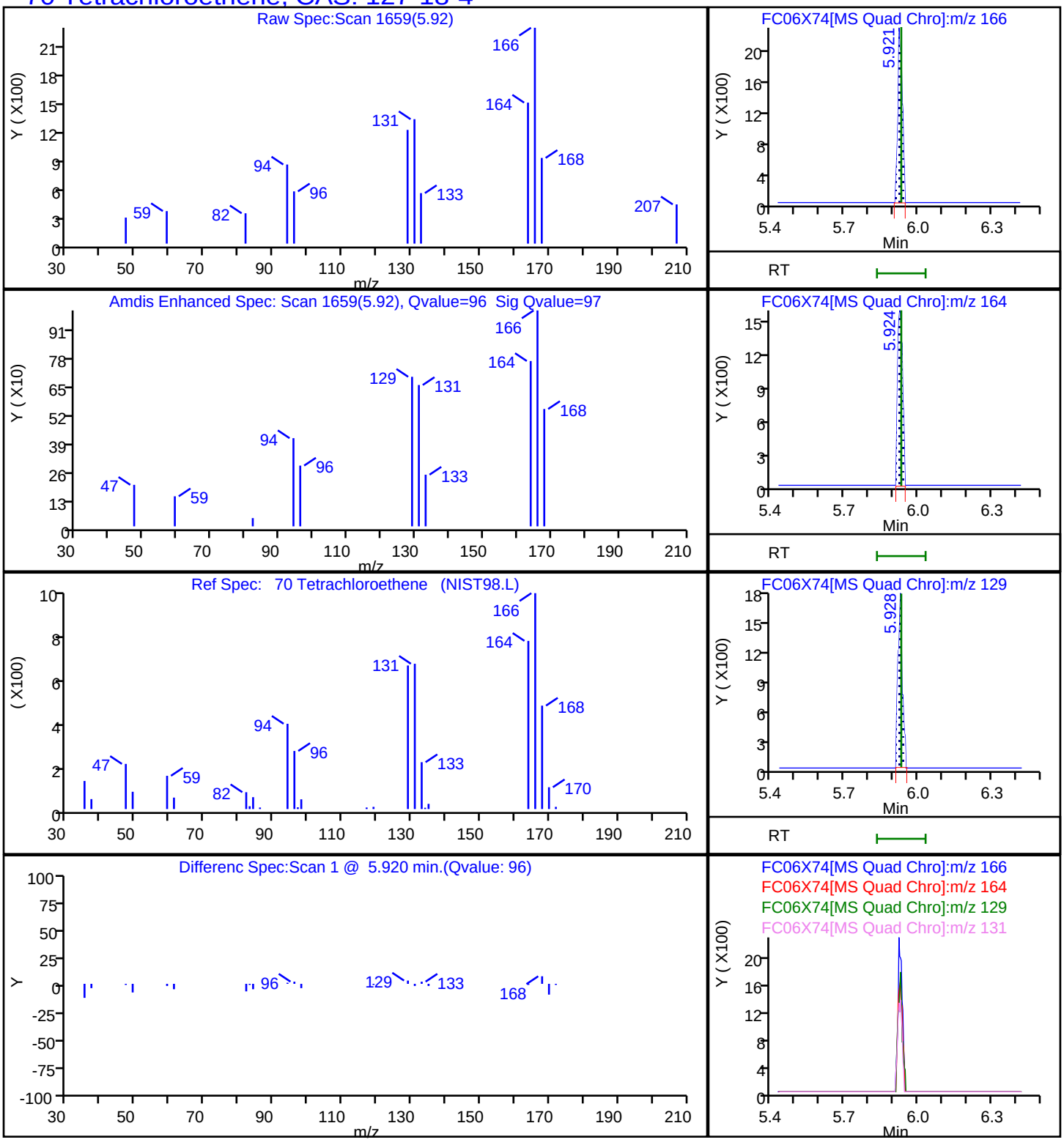
First Level Reviewer: EV4P Date: 07-Oct-2024 15:50:35

Compound	Amount Added	Amount Recovered	% Rec.
$ 41 Dibromofluoromethane (Surr)	50.0	55.3	110.68
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	55.1	110.11
$ 65 Toluene-d8 (Surr)	50.0	49.0	98.03
$ 86 4-Bromofluorobenzene (Surr)	50.0	50.4	100.73

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X74.D				
Injection Date:	07-Oct-2024 04:18:21	Instrument ID:	15830		
Lims ID:	410-190648-A-6	Lab Sample ID:	410-190648-6		
Client ID:	HD-CW-1A-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

70 Tetrachloroethene, CAS: 127-18-4

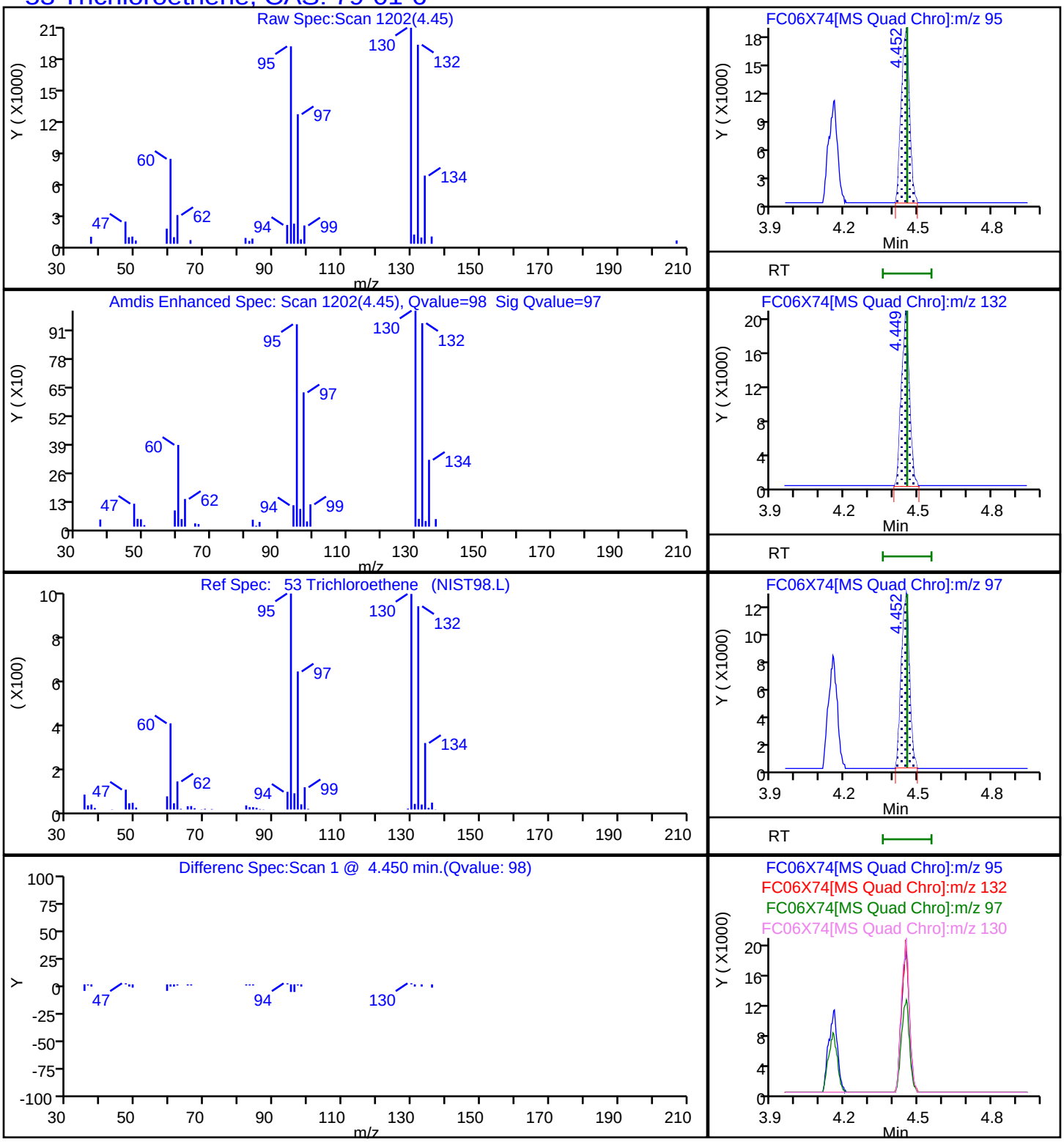


Report Date: 07-Oct-2024 15:50:35 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X74.D				
Injection Date:	07-Oct-2024 04:18:21	Instrument ID:	15830		
Lims ID:	410-190648-A-6	Lab Sample ID:	410-190648-6		
Client ID:	HD-CW-1A-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

53 Trichloroethene, CAS: 79-01-6



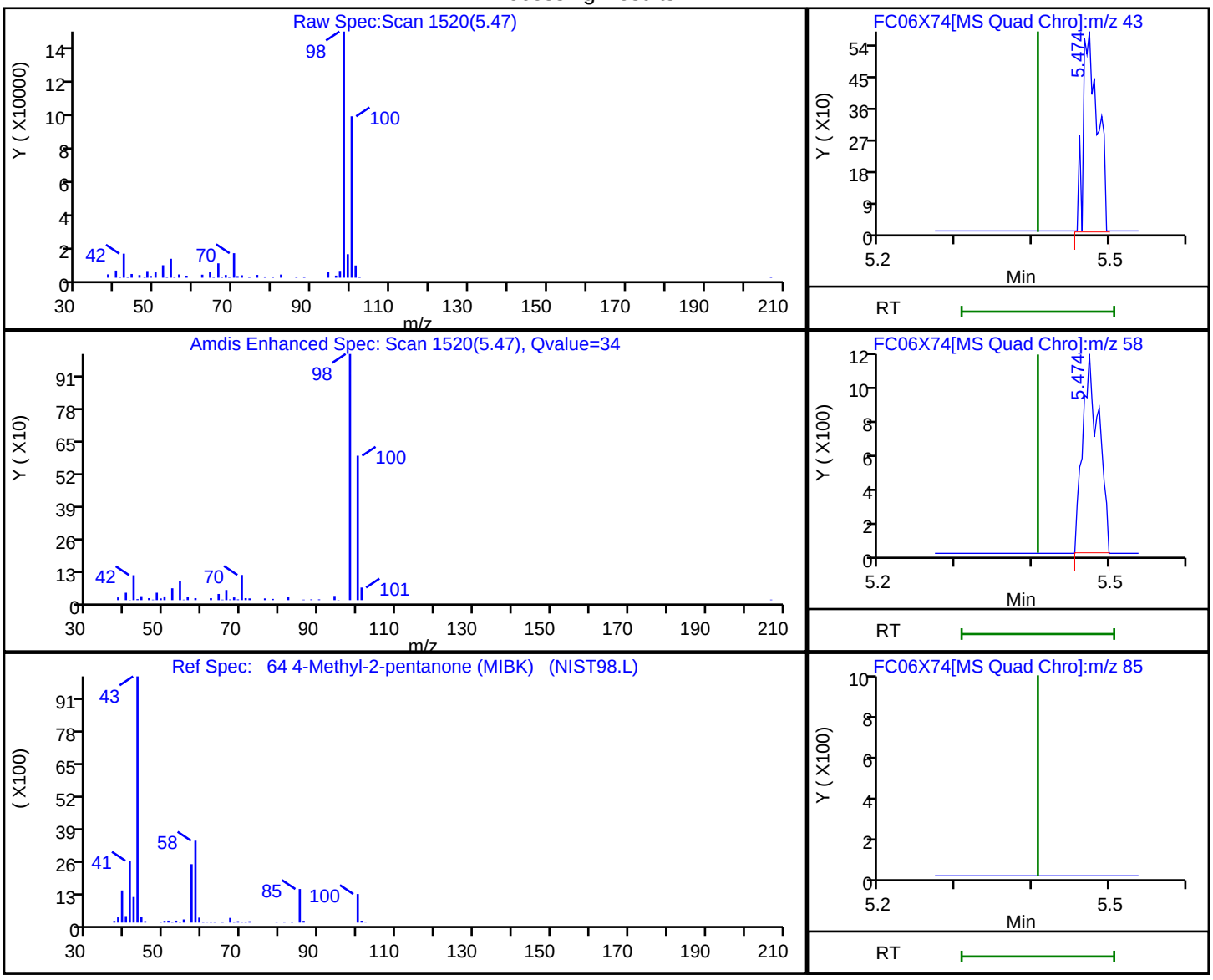
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X74.D				
Injection Date:	07-Oct-2024 04:18:21	Instrument ID:	15830		
Lims ID:	410-190648-A-6	Lab Sample ID:	410-190648-6		
Client ID:	HD-CW-1A-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

64 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.47	43.00	758	4.991590
5.47	58.00	1746	
5.41	85.00	0	
5.47	100.00	167371	

Reviewer: EV4P, 07-Oct-2024 15:50:20 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.: 410-190648-1

SDG No.:

Client Sample ID: HD-MW-3-0/1-0
Lab Sample ID: 410-190648-7

Matrix: Water
Lab File ID: FC06X75.D

Analysis Method: 8260D
Date Collected: 09/30/2024 14:25

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 04:37

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	0.50
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	1.2		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	0.57	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.: 410-190648-1

SDG No.:

Client Sample ID: HD-MW-3-0/1-0
Lab Sample ID: 410-190648-7

Matrix: Water
Lab File ID: FC06X75.D

Analysis Method: 8260D
Date Collected: 09/30/2024 14:25

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 04:37

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	1.7		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)	111		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		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\15830\20241006-126925.b\FC06X75.D
Lims ID: 410-190648-A-7
Client ID: HD-MW-3-0/1-0
Sample Type: Client
Inject. Date: 07-Oct-2024 04:37:34 ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-026
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 14:26:30 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1630

First Level Reviewer: DVW2 Date: 07-Oct-2024 14:25:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Chloromethane	50		1.143				ND	
3 Vinyl chloride	62		1.201				ND	
5 Bromomethane	94		1.387				ND	
6 Chloroethane	64		1.410				ND	
10 1,1-Dichloroethene	96		1.854				ND	
11 Acetone	58		1.889				ND	
14 Carbon disulfide	76		2.014				ND	
19 Methylene Chloride	84		2.233				ND	
* 20 t-Butyl alcohol-d10 (IS)	65	2.310	2.297	0.013	82	175921	250.0	
24 trans-1,2-Dichloroethene	96		2.429				ND	
25 Methyl tert-butyl ether	73		2.439				ND	
27 1,1-Dichloroethane	63		2.776				ND	
31 cis-1,2-Dichloroethene	96	3.227	3.230	-0.003	57	1066	0.5702	
32 2-Butanone (MEK)	43		3.236				ND	
36 Chlorobromomethane	128		3.416				ND	
39 Chloroform	83	3.506	3.506	0.000	86	3639	1.19	
40 1,1,1-Trichloroethane	97		3.632				ND	
$ 41 Dibromofluoromethane (Surr)	113	3.632	3.632	0.000	93	96368	56.2	
43 Carbon tetrachloride	117		3.751				ND	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.895	3.899	-0.004	45	24448	55.6	
47 Benzene	78		3.908				ND	
48 1,2-Dichloroethane	62		3.960				ND	
* 50 Fluorobenzene (IS)	96	4.159	4.162	-0.003	99	341889	50.0	
53 Trichloroethene	95	4.458	4.455	0.003	41	3016	1.68	
55 1,2-Dichloropropane	63		4.667				ND	
60 Dichlorobromomethane	83		4.899				ND	
63 cis-1,3-Dichloropropene	75		5.262				ND	
64 4-Methyl-2-pentanone (MIBK)	43		5.407				ND	U
$ 65 Toluene-d8 (Surr)	98	5.474	5.481	-0.007	93	292206	49.0	
66 Toluene	92		5.535				ND	
67 trans-1,3-Dichloropropene	75		5.738				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
69 1,1,2-Trichloroethane	97		5.879				ND	
70 Tetrachloroethene	166	5.931	5.931	0.000	1	474	0.2813	
73 2-Hexanone	43		6.050				ND	
74 Chlorodibromomethane	129		6.143				ND	
75 Ethylene Dibromide	107		6.214				ND	
* 76 Chlorobenzene-d5 (IS)	117	6.529	6.532	-0.003	85	224622	50.0	
77 Chlorobenzene	112		6.551				ND	
79 1,1,1,2-Tetrachloroethane	131		6.616				ND	
80 Ethylbenzene	91		6.622				ND	7
81 m-Xylene & p-Xylene	106		6.706				ND	
82 o-Xylene	106		6.944				ND	
83 Styrene	104		6.956				ND	
84 Bromoform	173		7.056				ND	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	93	109269	49.8	
88 1,1,2,2-Tetrachloroethane	83		7.352				ND	
* 100 1,4-Dichlorobenzene-d4	152	7.905	7.908	-0.003	94	137471	50.0	
S 138 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_Cent_ISSS_00031 Amount Added: 5.00 Units: uL Run Reagent

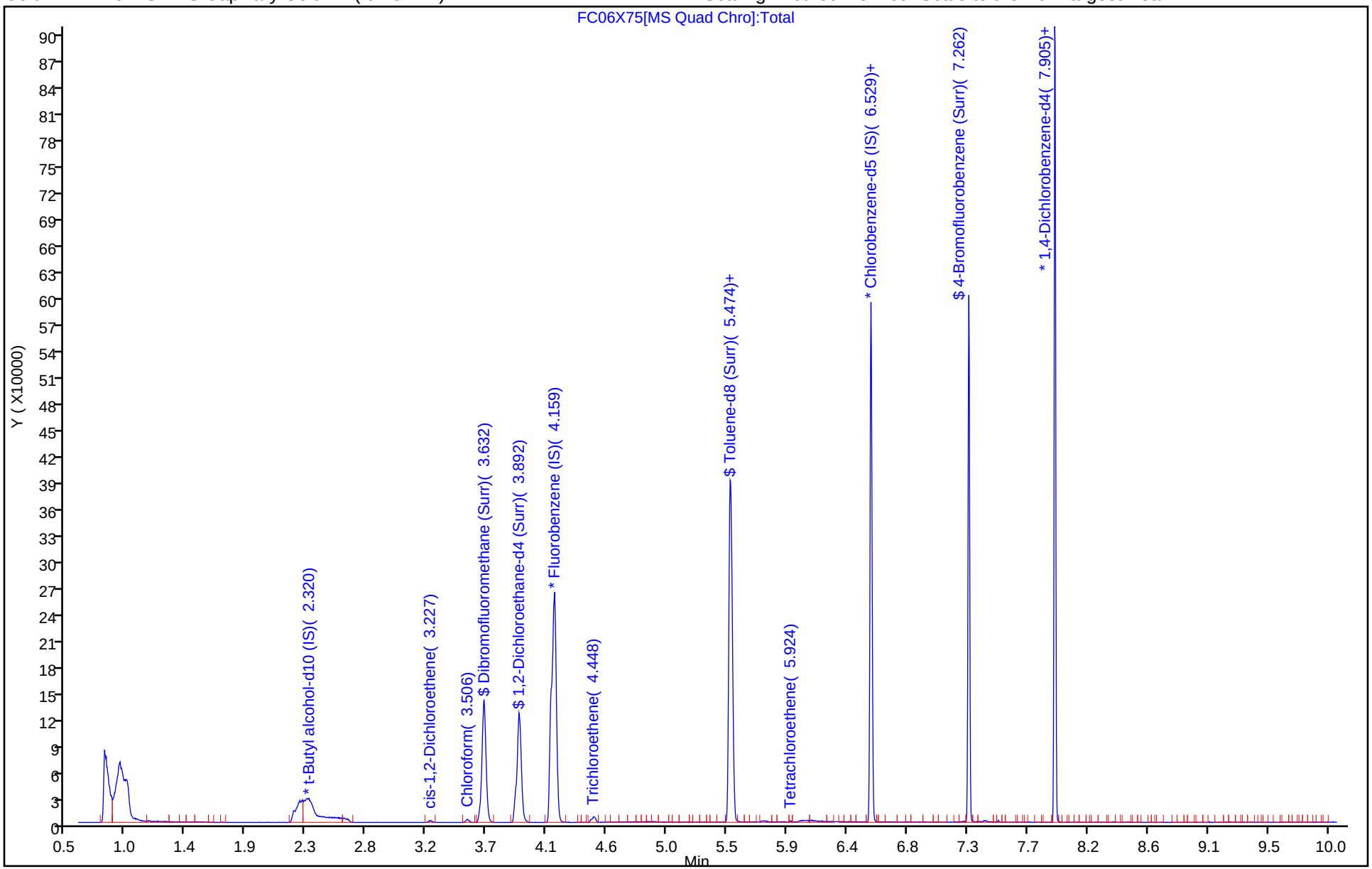
Report Date: 07-Oct-2024 14:26:39 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X75.D

Injection Date:	07-Oct-2024 04:37:34	Instrument ID:	15830	Operator ID:	gaw91131
Lims ID:	410-190648-A-7	Lab Sample ID:	410-190648-7	Worklist Smp#:	26
Client ID:	HD-MW-3-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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\15830\20241006-126925.b\FC06X75.D
Lims ID: 410-190648-A-7
Client ID: HD-MW-3-0/1-0
Sample Type: Client
Inject. Date: 07-Oct-2024 04:37:34 ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-026
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 14:26:30 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1630

First Level Reviewer: DVW2 Date: 07-Oct-2024 14:25:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 41 Dibromofluoromethane (Surr)	50.0	56.2	112.44
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	55.6	111.21
$ 65 Toluene-d8 (Surr)	50.0	49.0	98.04
$ 86 4-Bromofluorobenzene (Surr)	50.0	49.8	99.61

Report Date: 07-Oct-2024 14:26:39 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X75.D

Injection Date: 07-Oct-2024 04:37:34 Instrument ID: 15830

Lims ID: 410-190648-A-7 Lab Sample ID: 410-190648-7

Client ID: HD-MW-3-0/1-0

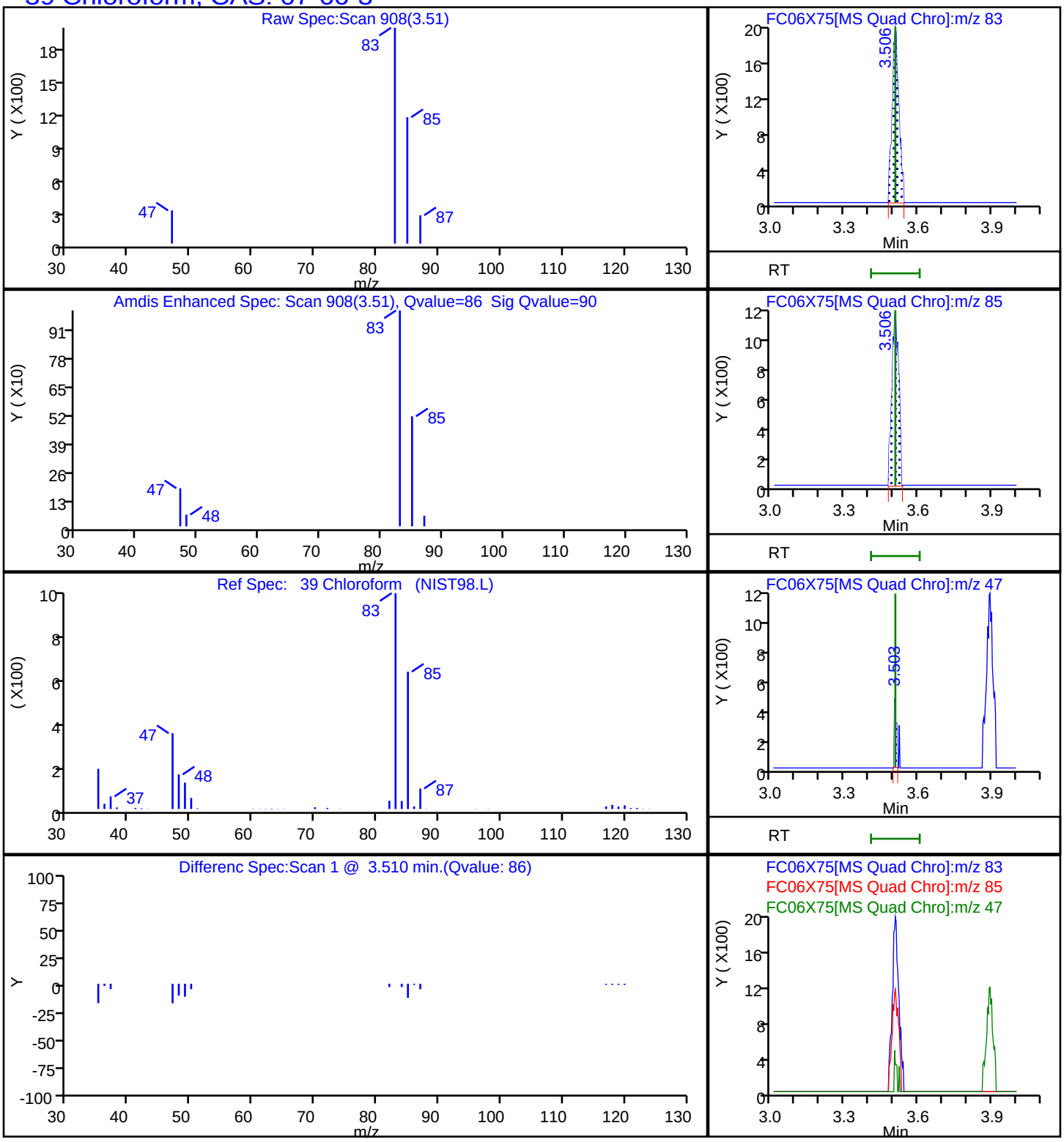
Operator ID: gaw91131 ALS Bottle#: 0 Worklist Smp#: 26

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D

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

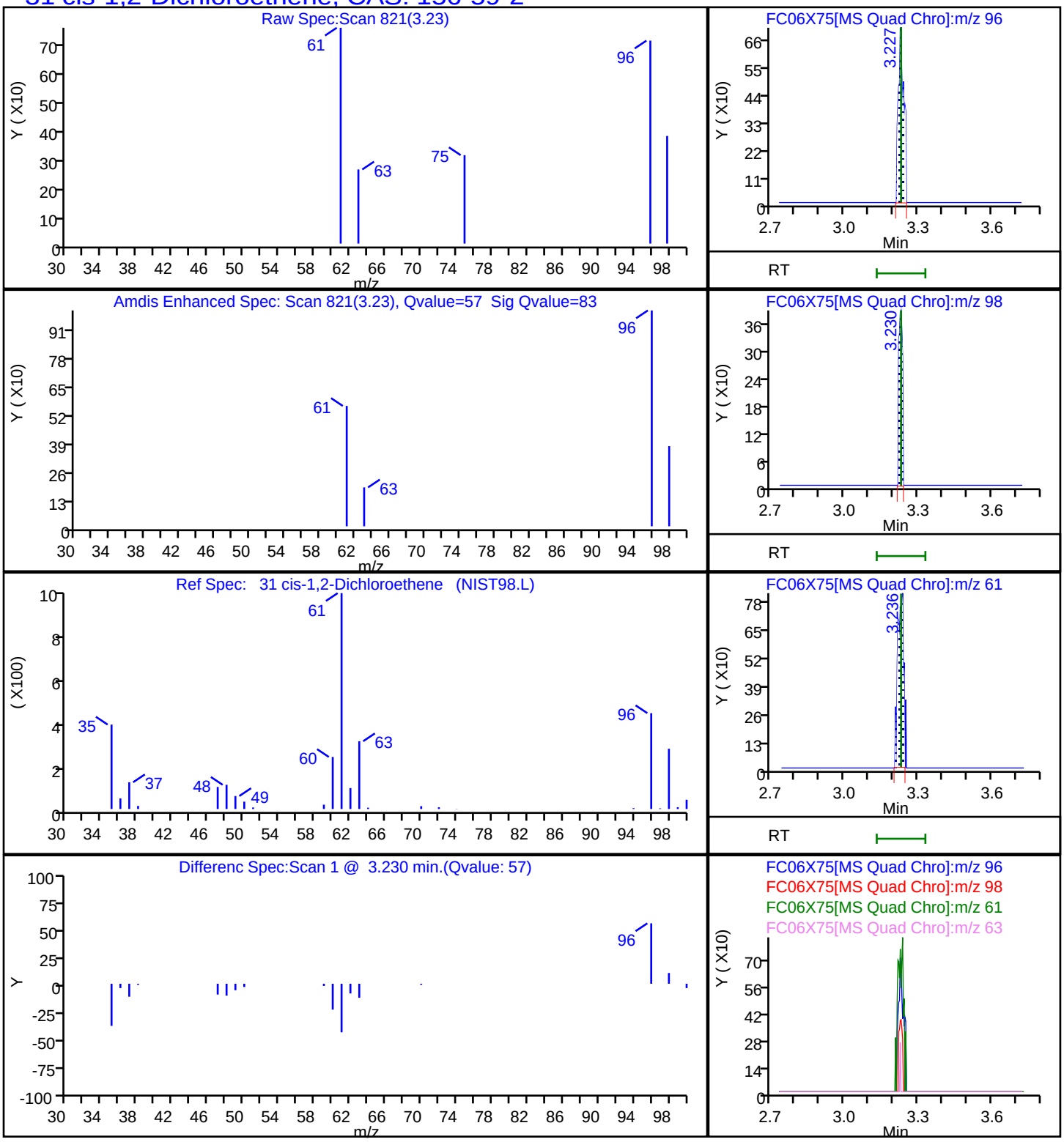
39 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X75.D				
Injection Date:	07-Oct-2024 04:37:34	Instrument ID:	15830		
Lims ID:	410-190648-A-7	Lab Sample ID:	410-190648-7		
Client ID:	HD-MW-3-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

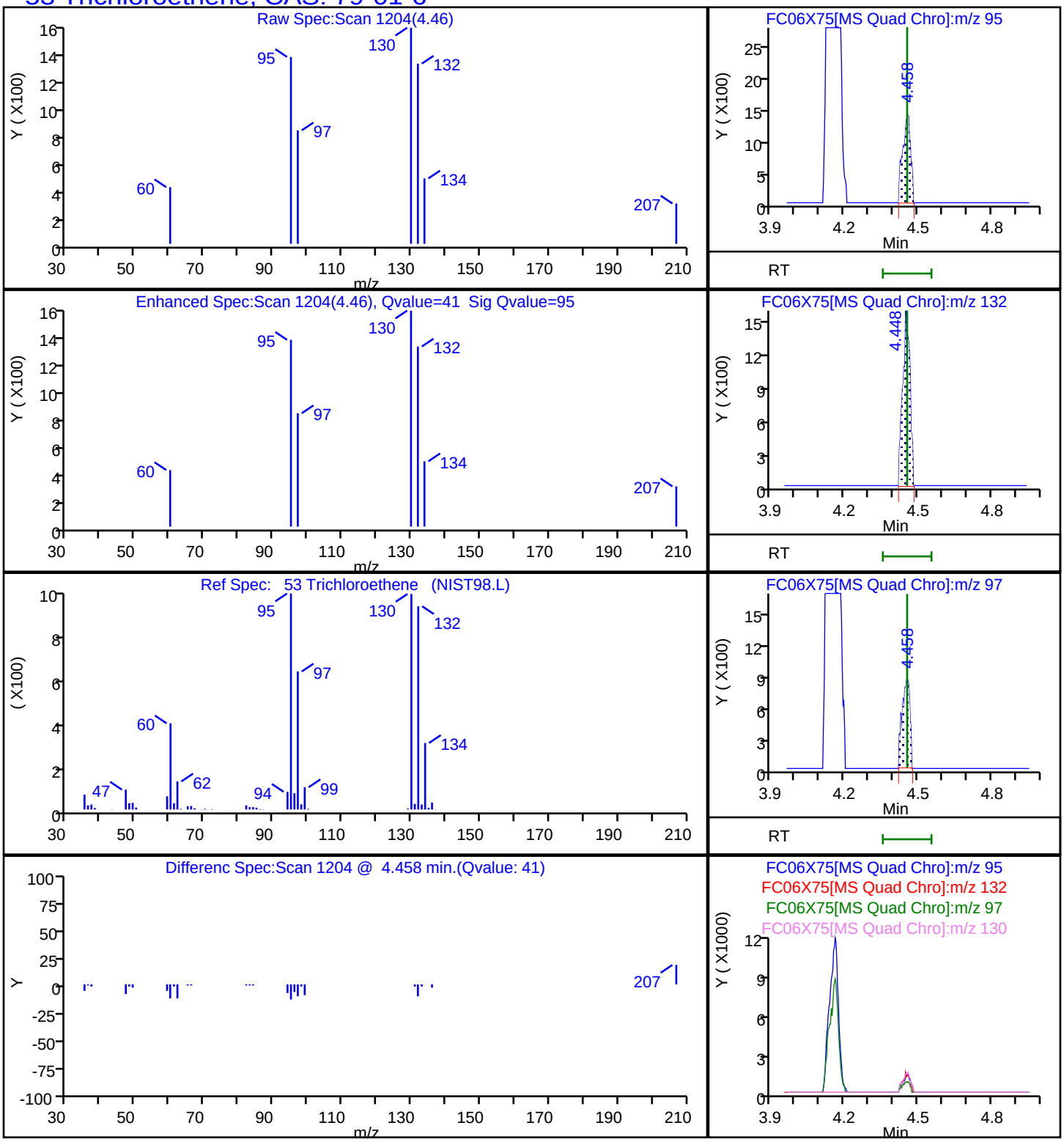


Report Date: 07-Oct-2024 14:26:39 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X75.D				
Injection Date:	07-Oct-2024 04:37:34	Instrument ID:	15830		
Lims ID:	410-190648-A-7	Lab Sample ID:	410-190648-7		
Client ID:	HD-MW-3-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

53 Trichloroethene, CAS: 79-01-6



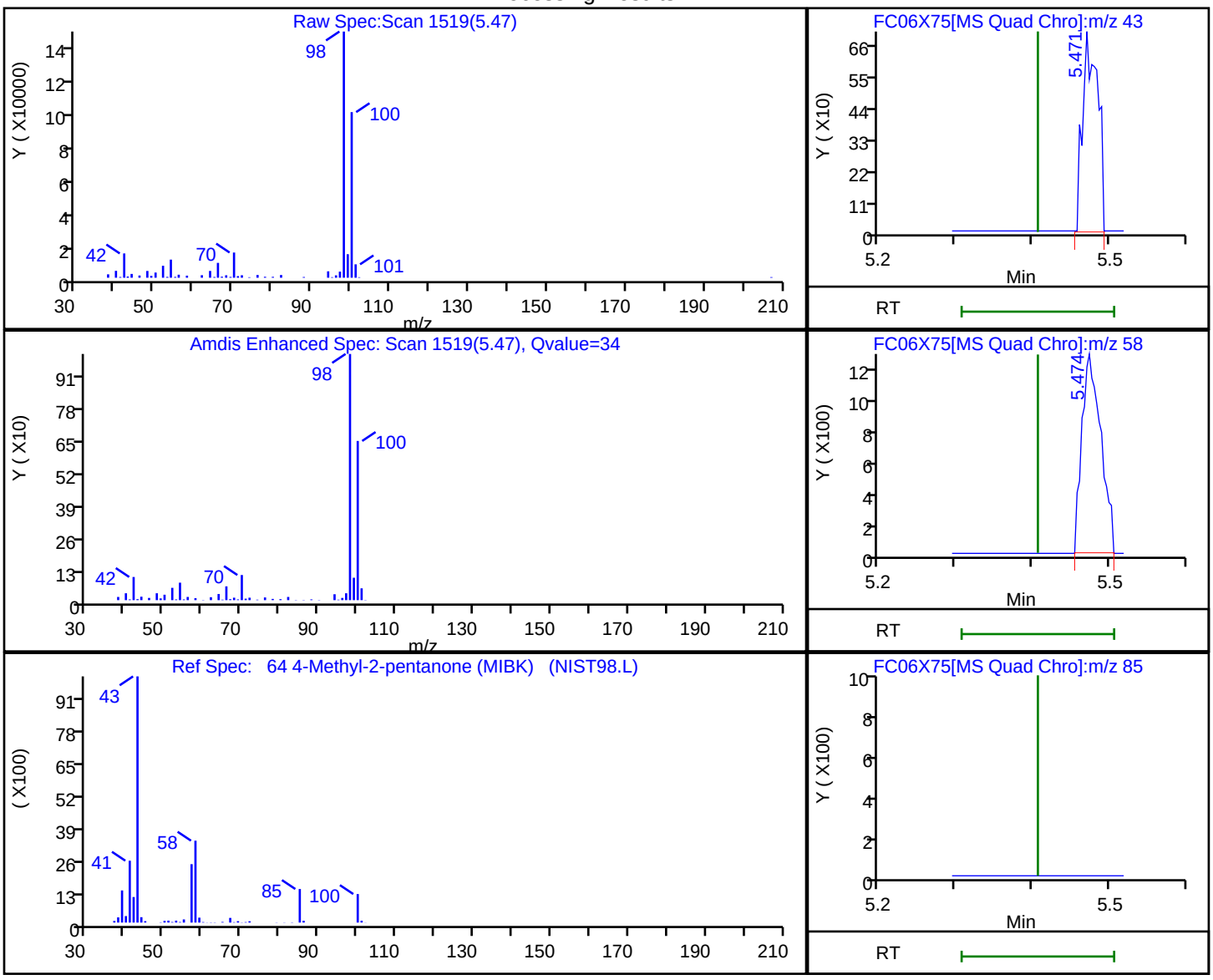
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X75.D				
Injection Date:	07-Oct-2024 04:37:34	Instrument ID:	15830		
Lims ID:	410-190648-A-7	Lab Sample ID:	410-190648-7		
Client ID:	HD-MW-3-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

64 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.47	43.00	967	5.030281
5.47	58.00	2229	
5.41	85.00	0	
5.47	100.00	189158	

Reviewer: DVW2, 07-Oct-2024 14:25:01 -04:00:00 (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.: 410-190648-1

SDG No.:

Client Sample ID: HD-MW-2-0/1-0
Lab Sample ID: 410-190648-8

Matrix: Water
Lab File ID: FC06X76.D

Analysis Method: 8260D
Date Collected: 10/01/2024 11:25

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 04:56

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	0.50
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	69		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190648-1

SDG No.:

Client Sample ID: HD-MW-2-0/1-0
Lab Sample ID: 410-190648-8

Matrix: Water
Lab File ID: FC06X76.D

Analysis Method: 8260D
Date Collected: 10/01/2024 11:25

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 04:56

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	0.60	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)	108		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		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\15830\20241006-126925.b\FC06X76.D
Lims ID: 410-190648-D-8
Client ID: HD-MW-2-0/1-0
Sample Type: Client
Inject. Date: 07-Oct-2024 04:56:47 ALS Bottle#: 0 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-027
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 14:26:30 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1630

First Level Reviewer: DVW2 Date: 07-Oct-2024 14:25:49

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	2 Chloromethane	50		1.143				ND	
	3 Vinyl chloride	62		1.201				ND	
	5 Bromomethane	94		1.387				ND	
	6 Chloroethane	64		1.410				ND	
	10 1,1-Dichloroethene	96		1.854				ND	
	11 Acetone	58		1.889				ND	
	14 Carbon disulfide	76		2.014				ND	
	19 Methylene Chloride	84		2.233				ND	
*	20 t-Butyl alcohol-d10 (IS)	65	2.249	2.297	-0.048	91	167345	250.0	
	24 trans-1,2-Dichloroethene	96		2.429				ND	
	25 Methyl tert-butyl ether	73		2.439				ND	
	27 1,1-Dichloroethane	63		2.776				ND	
	31 cis-1,2-Dichloroethene	96		3.230				ND	
	32 2-Butanone (MEK)	43		3.236				ND	
	36 Chlorobromomethane	128		3.416				ND	
	39 Chloroform	83		3.506				ND	7
	40 1,1,1-Trichloroethane	97		3.632				ND	
$	41 Dibromofluoromethane (Surr)	113	3.625	3.632	-0.007	94	85065	54.6	
	43 Carbon tetrachloride	117		3.751				ND	
$	46 1,2-Dichloroethane-d4 (Surr)	102	3.892	3.899	-0.007	45	21500	53.8	
	47 Benzene	78		3.908				ND	
	48 1,2-Dichloroethane	62		3.960				ND	
*	50 Fluorobenzene (IS)	96	4.156	4.162	-0.006	99	310652	50.0	
	53 Trichloroethene	95	4.442	4.455	-0.013	0	980	0.6021	
	55 1,2-Dichloropropane	63		4.667				ND	
	60 Dichlorobromomethane	83		4.899				ND	
	63 cis-1,3-Dichloropropene	75		5.262				ND	
	64 4-Methyl-2-pentanone (MIBK)	43		5.407				ND	U
$	65 Toluene-d8 (Surr)	98	5.474	5.481	-0.007	93	262091	49.7	
	66 Toluene	92		5.535				ND	
	67 trans-1,3-Dichloropropene	75		5.738				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
69 1,1,2-Trichloroethane	97		5.879				ND	U
70 Tetrachloroethene	166	5.927	5.931	-0.004	97	102424	68.7	
73 2-Hexanone	43		6.050				ND	
74 Chlorodibromomethane	129		6.143				ND	
75 Ethylene Dibromide	107		6.214				ND	
* 76 Chlorobenzene-d5 (IS)	117	6.529	6.532	-0.003	85	198742	50.0	
77 Chlorobenzene	112		6.551				ND	
79 1,1,1,2-Tetrachloroethane	131		6.616				ND	
80 Ethylbenzene	91		6.622				ND	7
81 m-Xylene & p-Xylene	106		6.706				ND	
82 o-Xylene	106		6.944				ND	
83 Styrene	104		6.956				ND	
84 Bromoform	173		7.056				ND	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	92	98276	50.6	
88 1,1,2,2-Tetrachloroethane	83		7.352				ND	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	94	121625	50.0	
S 138 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

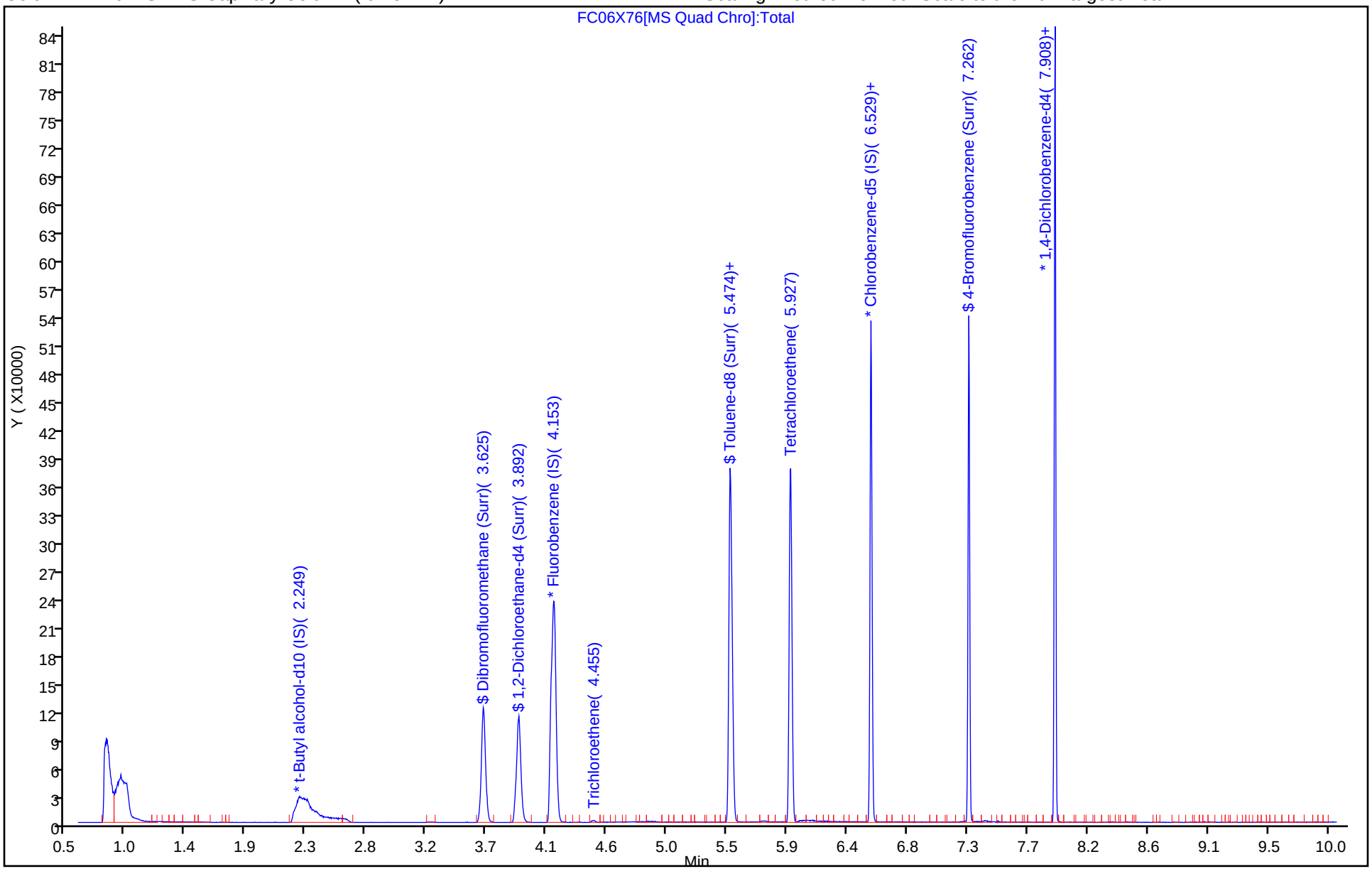
MSV_Cent_ISSS_00031 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 07-Oct-2024 14:26:43 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X76.D				
Injection Date:	07-Oct-2024 04:56:47	Instrument ID:	15830	Operator ID:	gaw91131
Lims ID:	410-190648-D-8	Lab Sample ID:	410-190648-8	Worklist Smp#:	27
Client ID:	HD-MW-2-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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\15830\20241006-126925.b\FC06X76.D
Lims ID: 410-190648-D-8
Client ID: HD-MW-2-0/1-0
Sample Type: Client
Inject. Date: 07-Oct-2024 04:56:47 ALS Bottle#: 0 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-027
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 14:26:30 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1630

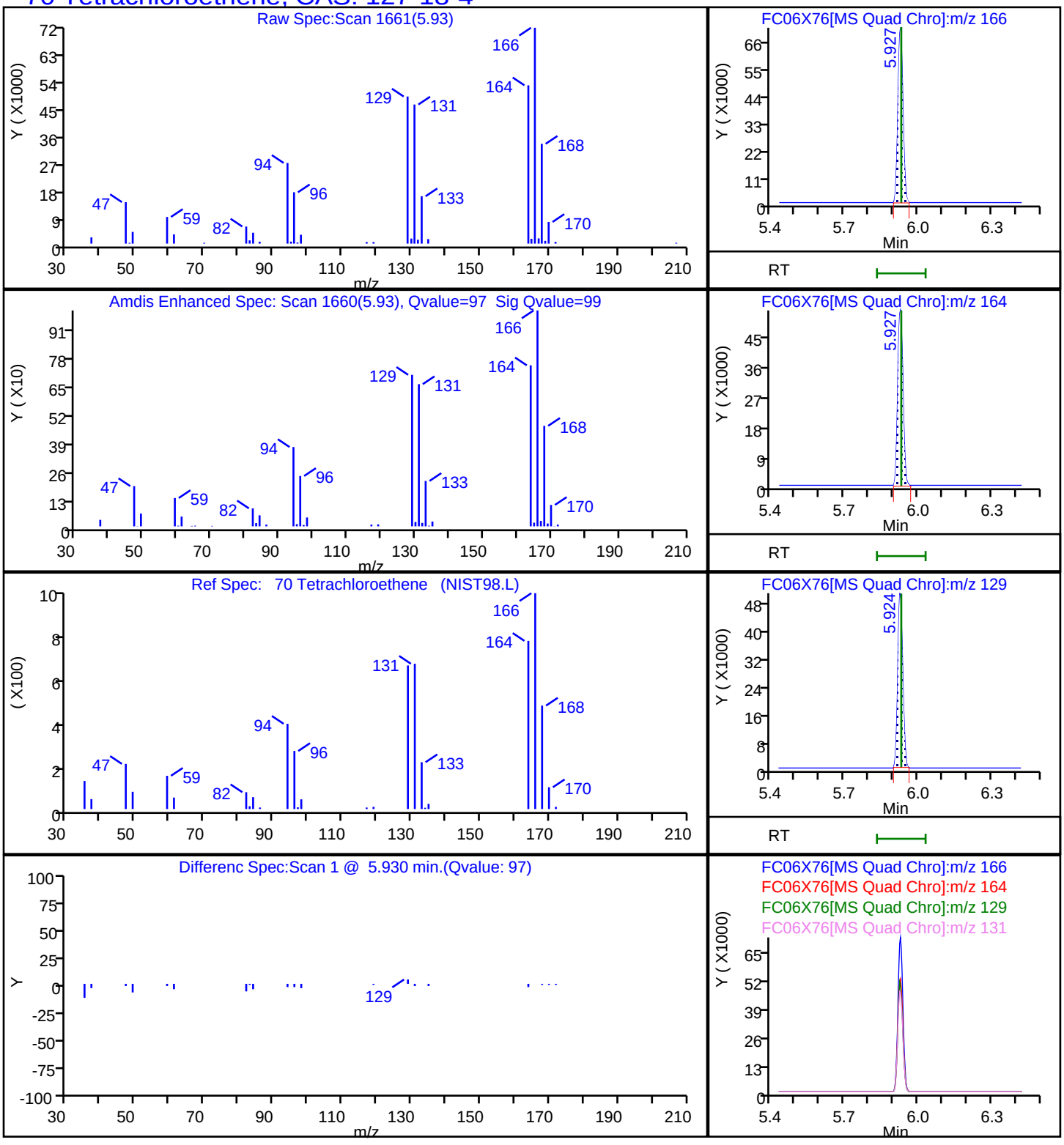
First Level Reviewer: DVW2 Date: 07-Oct-2024 14:25:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 41 Dibromofluoromethane (Surr)	50.0	54.6	109.23
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	53.8	107.63
$ 65 Toluene-d8 (Surr)	50.0	49.7	99.39
$ 86 4-Bromofluorobenzene (Surr)	50.0	50.6	101.25

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X76.D				
Injection Date:	07-Oct-2024 04:56:47	Instrument ID:	15830		
Lims ID:	410-190648-D-8	Lab Sample ID:	410-190648-8		
Client ID:	HD-MW-2-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

70 Tetrachloroethene, CAS: 127-18-4

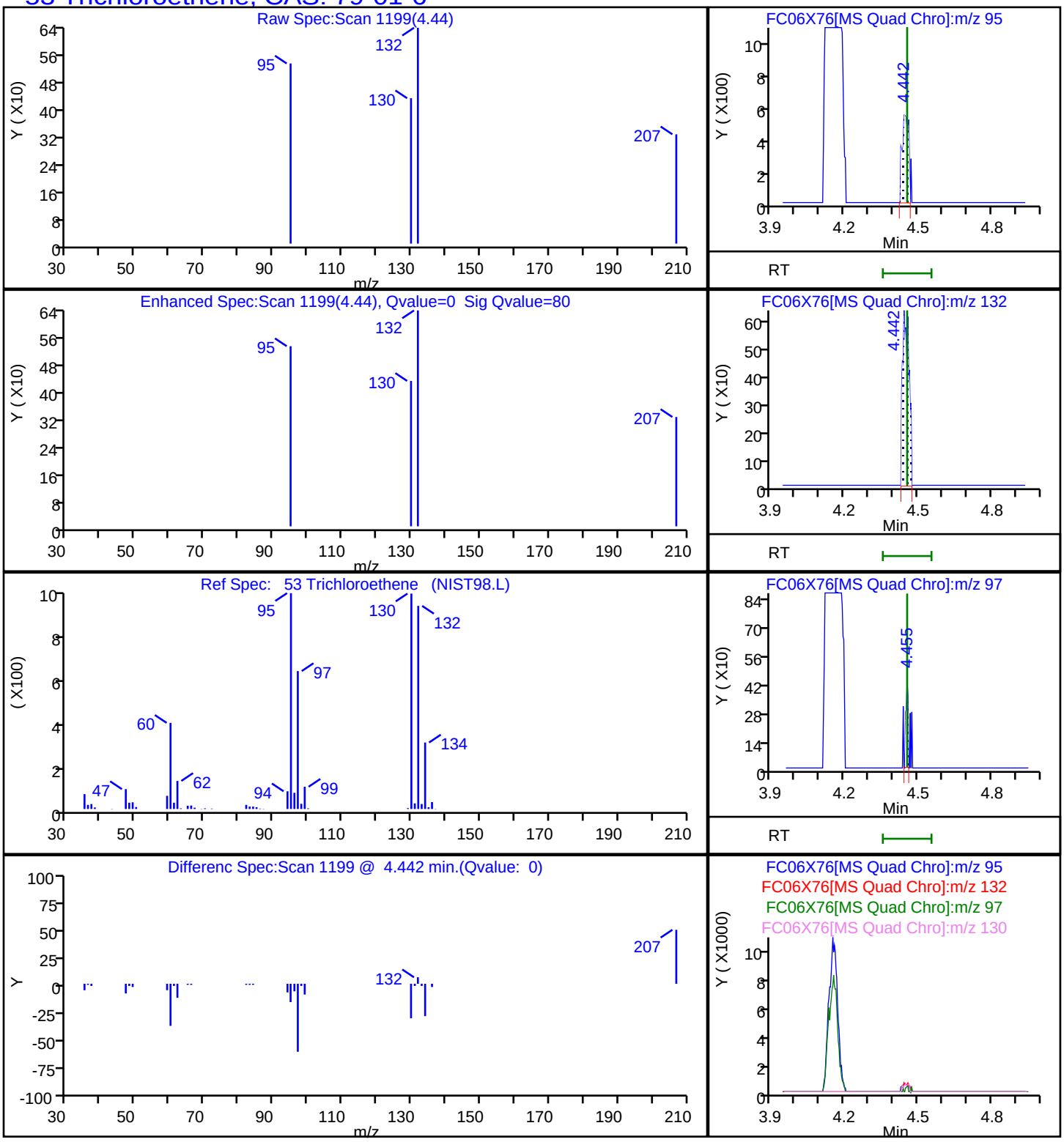


Report Date: 07-Oct-2024 14:26:43 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X76.D				
Injection Date:	07-Oct-2024 04:56:47	Instrument ID:	15830		
Lims ID:	410-190648-D-8	Lab Sample ID:	410-190648-8		
Client ID:	HD-MW-2-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

53 Trichloroethene, CAS: 79-01-6



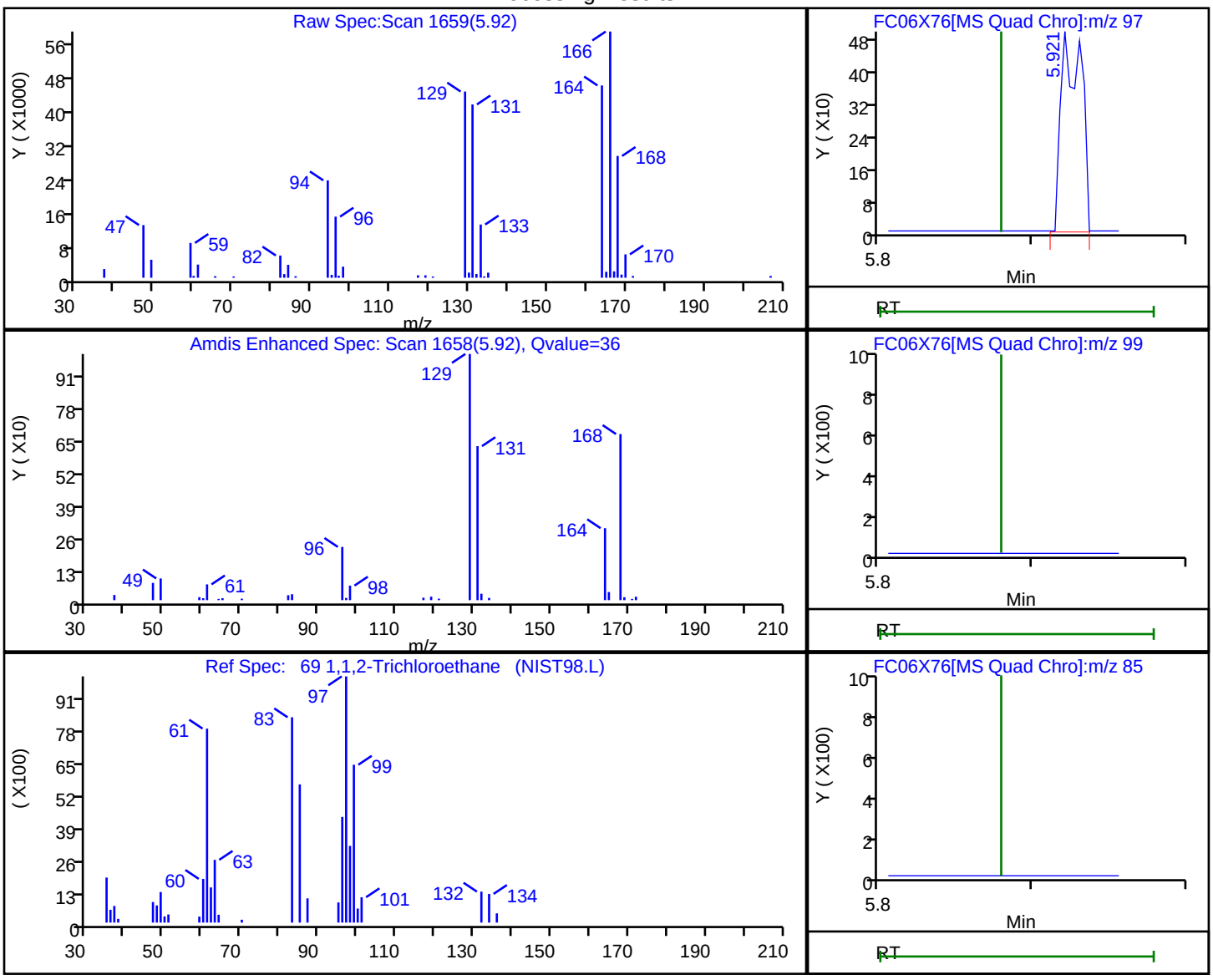
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X76.D				
Injection Date:	07-Oct-2024 04:56:47	Instrument ID:	15830		
Lims ID:	410-190648-D-8	Lab Sample ID:	410-190648-8		
Client ID:	HD-MW-2-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

69 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
5.92	97.00	450	0.403490
5.88	99.00	0	
5.88	85.00	0	
5.92	83.00	1483	

Reviewer: DVW2, 07-Oct-2024 14:25:38 -04:00:00 (UTC)

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

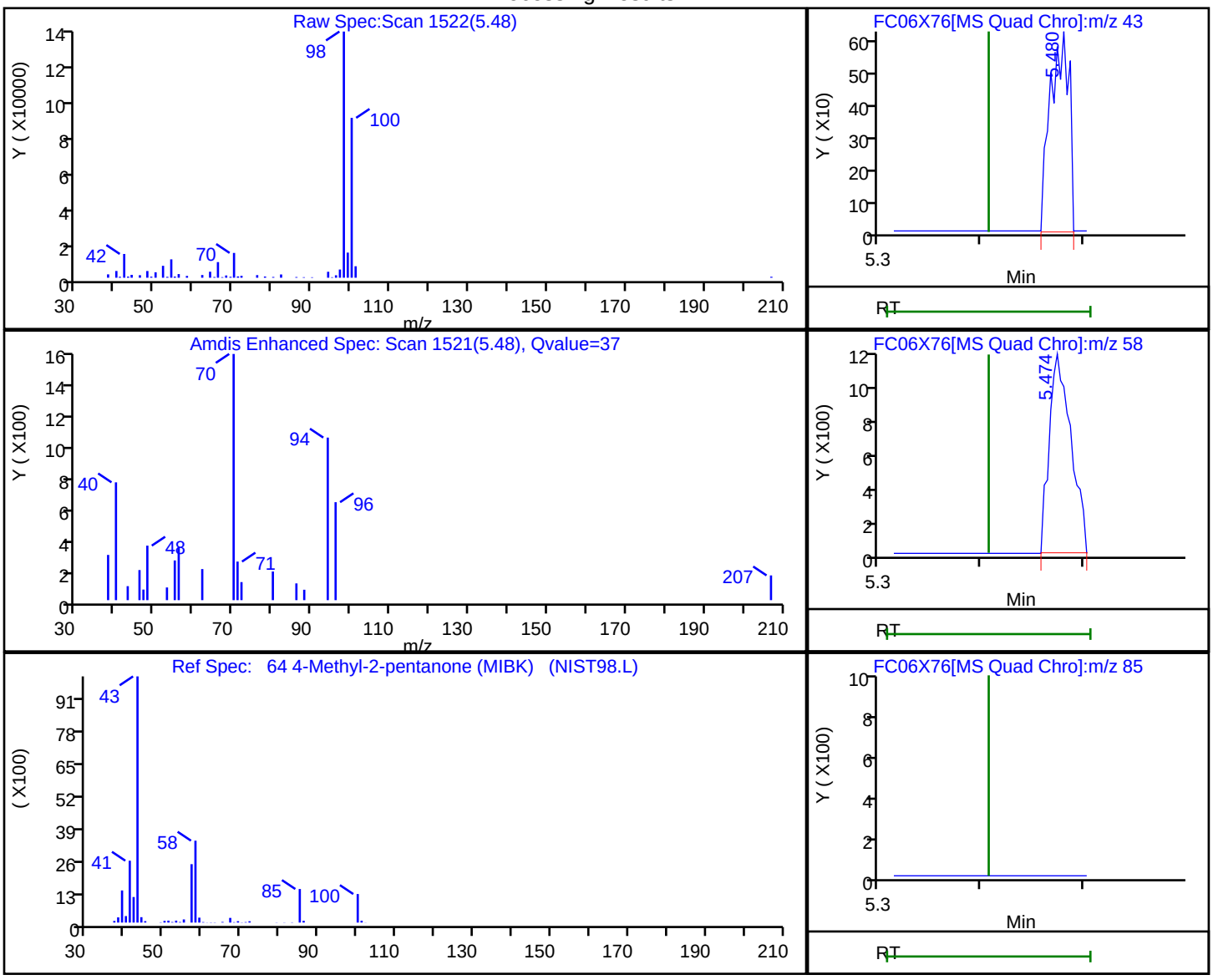
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X76.D				
Injection Date:	07-Oct-2024 04:56:47	Instrument ID:	15830		
Lims ID:	410-190648-D-8	Lab Sample ID:	410-190648-8		
Client ID:	HD-MW-2-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

64 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.48	43.00	790	5.000312
5.47	58.00	1755	
5.41	85.00	0	
5.47	100.00	168888	

Reviewer: DVW2, 07-Oct-2024 14:25:34 -04:00:00 (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.: 410-190648-1

SDG No.:

Client Sample ID: HD-MW-65S-0/1-0
Lab Sample ID: 410-190648-9

Matrix: Water
Lab File ID: FC06X77.D

Analysis Method: 8260D
Date Collected: 10/01/2024 12:15

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 05:16

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	0.50
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	1.1		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	2.0		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190648-1

SDG No.:

Client Sample ID: HD-MW-65S-0/1-0
Lab Sample ID: 410-190648-9

Matrix: Water
Lab File ID: FC06X77.D

Analysis Method: 8260D
Date Collected: 10/01/2024 12:15

Sample wt/vol: 5(mL)
Date Analyzed: 10/07/2024 05:16

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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)	109		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		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\15830\20241006-126925.b\FC06X77.D
Lims ID: 410-190648-A-9
Client ID: HD-MW-65S-0/1-0
Sample Type: Client
Inject. Date: 07-Oct-2024 05:16:02 ALS Bottle#: 0 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-028
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 14:26:30 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1630

First Level Reviewer: DVW2 Date: 07-Oct-2024 14:26:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Chloromethane	50		1.143				ND	
3 Vinyl chloride	62		1.201				ND	
5 Bromomethane	94		1.387				ND	
6 Chloroethane	64		1.410				ND	
10 1,1-Dichloroethene	96		1.854				ND	
11 Acetone	58		1.889				ND	
14 Carbon disulfide	76		2.014				ND	
19 Methylene Chloride	84		2.233				ND	
* 20 t-Butyl alcohol-d10 (IS)	65	2.246	2.297	-0.051	37	170288	250.0	
24 trans-1,2-Dichloroethene	96		2.429				ND	
25 Methyl tert-butyl ether	73		2.439				ND	
27 1,1-Dichloroethane	63		2.776				ND	
31 cis-1,2-Dichloroethene	96		3.230				ND	
32 2-Butanone (MEK)	43		3.236				ND	
36 Chlorobromomethane	128		3.416				ND	
39 Chloroform	83	3.506	3.506	0.000	76	3174	1.13	
40 1,1,1-Trichloroethane	97		3.632				ND	
$ 41 Dibromofluoromethane (Surr)	113	3.625	3.632	-0.007	94	86274	54.7	
43 Carbon tetrachloride	117		3.751				ND	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.889	3.899	-0.010	45	22084	54.6	
47 Benzene	78		3.908				ND	
48 1,2-Dichloroethane	62		3.960				ND	
* 50 Fluorobenzene (IS)	96	4.156	4.162	-0.006	99	314667	50.0	
53 Trichloroethene	95		4.455				ND	U
55 1,2-Dichloropropane	63		4.667				ND	
60 Dichlorobromomethane	83		4.899				ND	
63 cis-1,3-Dichloropropene	75		5.262				ND	
64 4-Methyl-2-pentanone (MIBK)	43		5.407				ND	U
$ 65 Toluene-d8 (Surr)	98	5.474	5.481	-0.007	93	263652	50.2	
66 Toluene	92		5.535				ND	
67 trans-1,3-Dichloropropene	75		5.738				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
69 1,1,2-Trichloroethane	97		5.879				ND	
70 Tetrachloroethene	166	5.927	5.931	-0.004	92	2999	2.02	
73 2-Hexanone	43		6.050				ND	
74 Chlorodibromomethane	129		6.143				ND	
75 Ethylene Dibromide	107		6.214				ND	
* 76 Chlorobenzene-d5 (IS)	117	6.529	6.532	-0.003	85	197896	50.0	
77 Chlorobenzene	112		6.551				ND	
79 1,1,1,2-Tetrachloroethane	131		6.616				ND	
80 Ethylbenzene	91		6.622				ND	7
81 m-Xylene & p-Xylene	106		6.706				ND	
82 o-Xylene	106		6.944				ND	
83 Styrene	104		6.956				ND	
84 Bromoform	173		7.056				ND	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	94	97566	50.5	
88 1,1,2,2-Tetrachloroethane	83		7.352				ND	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	94	123235	50.0	
S 138 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_Cent_ISSS_00031 Amount Added: 5.00 Units: uL Run Reagent

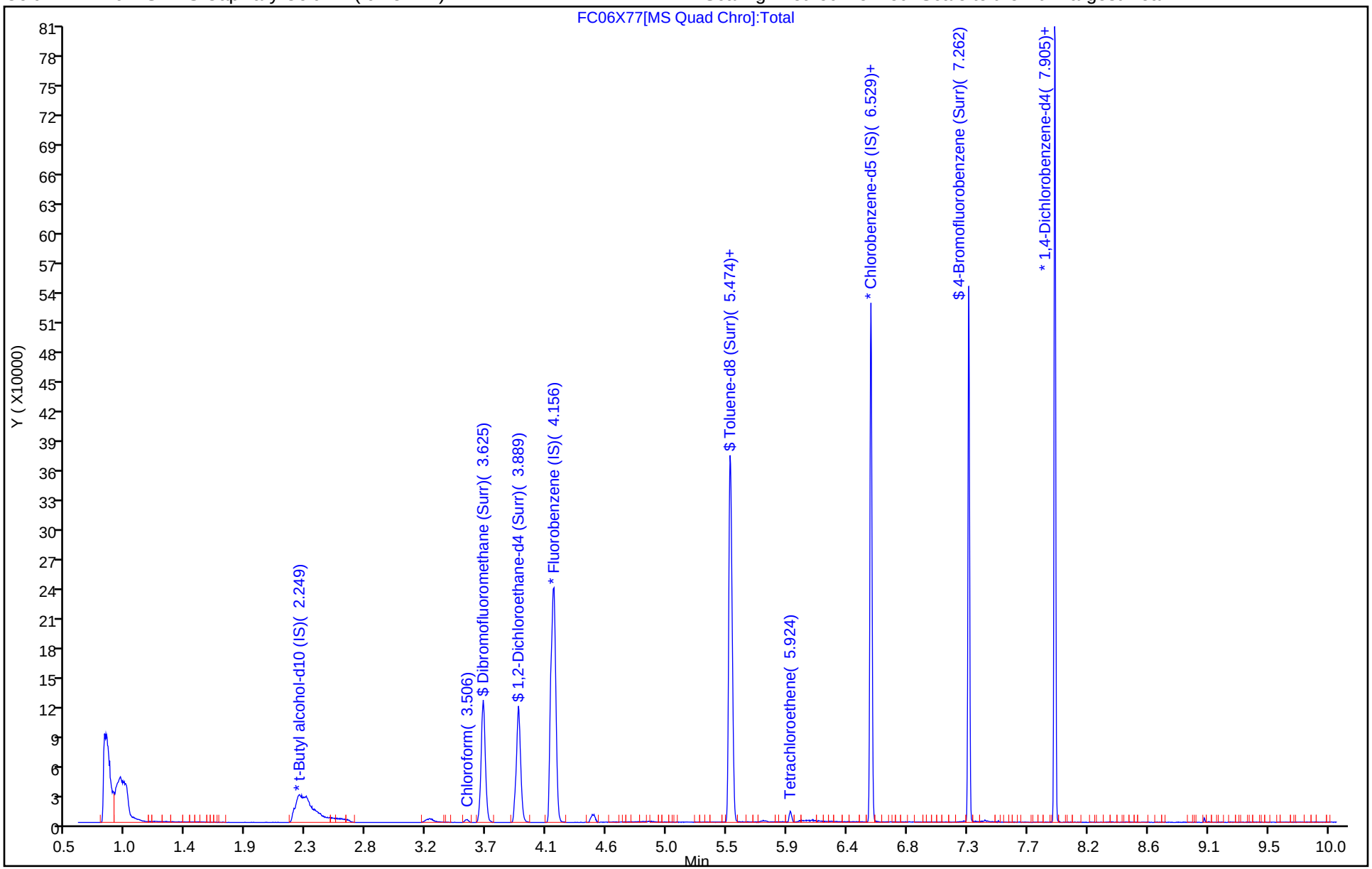
Report Date: 07-Oct-2024 14:26:46 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X77.D

Injection Date:	07-Oct-2024 05:16:02	Instrument ID:	15830	Operator ID:	gaw91131
Lims ID:	410-190648-A-9	Lab Sample ID:	410-190648-9	Worklist Smp#:	28
Client ID:	HD-MW-65S-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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\15830\20241006-126925.b\FC06X77.D				
Lims ID:	410-190648-A-9				
Client ID:	HD-MW-65S-0/1-0				
Sample Type:	Client				
Inject. Date:	07-Oct-2024 05:16:02	ALS Bottle#:	0	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0126925-028				
Operator ID:	gaw91131	Instrument ID:	15830		
Method:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Oct-2024 14:26:30	Calib Date:	27-Jun-2024 21:13:20		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1630				

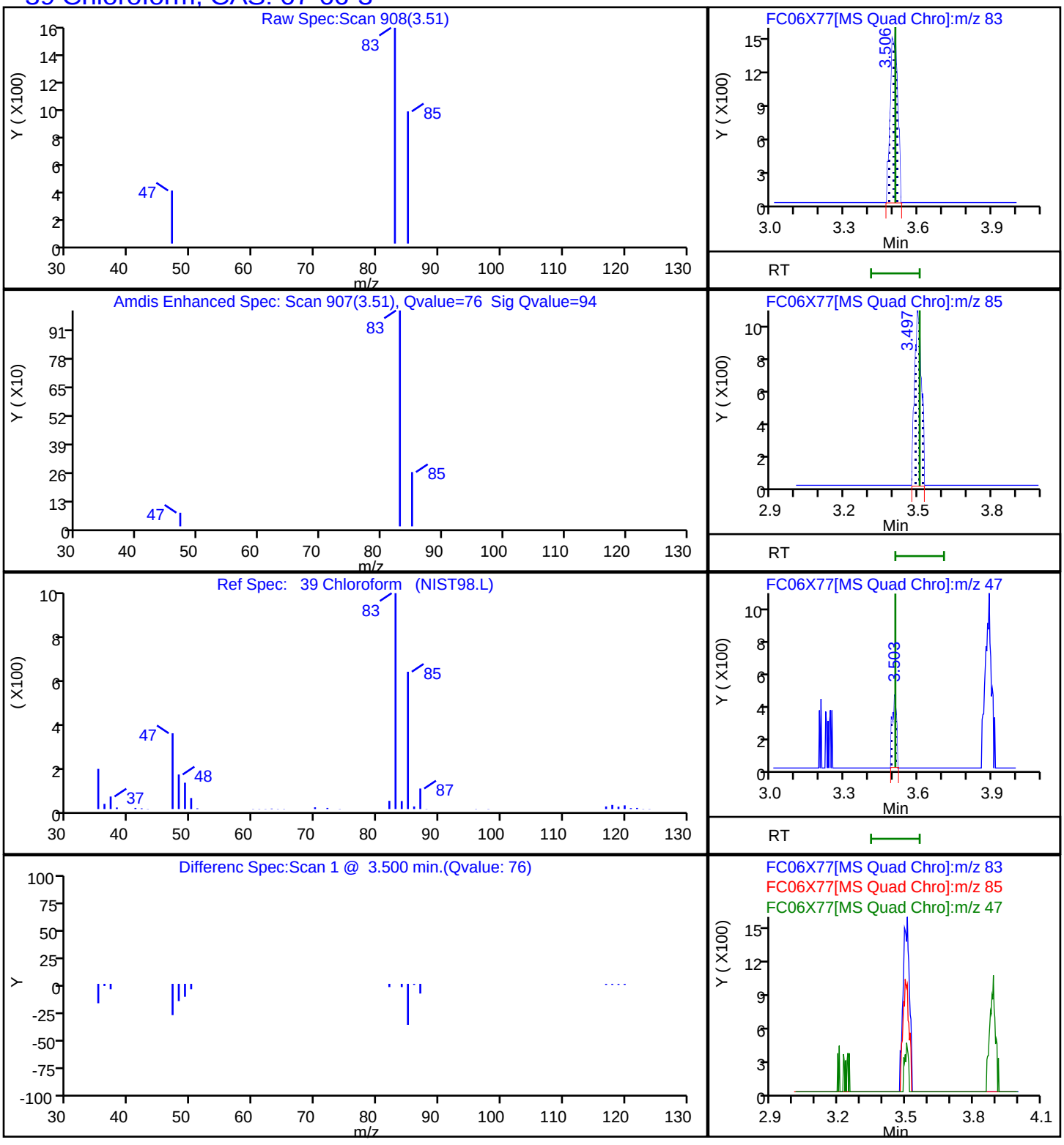
First Level Reviewer: DVW2 Date: 07-Oct-2024 14:26:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 41 Dibromofluoromethane (Surr)	50.0	54.7	109.37
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	54.6	109.15
$ 65 Toluene-d8 (Surr)	50.0	50.2	100.41
$ 86 4-Bromofluorobenzene (Surr)	50.0	50.5	100.95

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X77.D
Injection Date: 07-Oct-2024 05:16:02 Instrument ID: 15830
Lims ID: 410-190648-A-9 Lab Sample ID: 410-190648-9
Client ID: HD-MW-65S-0/1-0
Operator ID: gaw91131 ALS Bottle#: 0 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

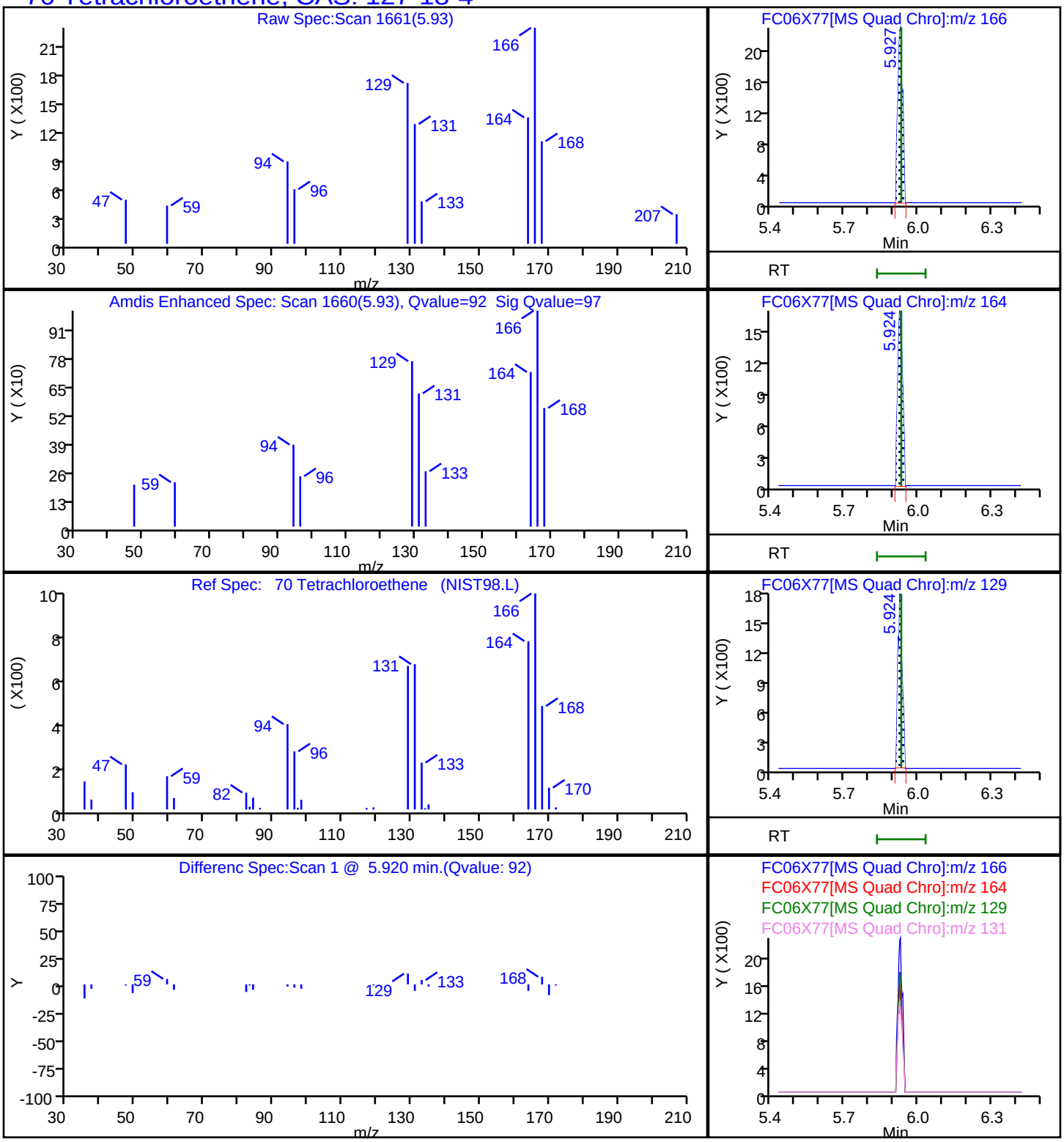
39 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X77.D				
Injection Date:	07-Oct-2024 05:16:02	Instrument ID:	15830		
Lims ID:	410-190648-A-9	Lab Sample ID:	410-190648-9		
Client ID:	HD-MW-65S-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

70 Tetrachloroethene, CAS: 127-18-4



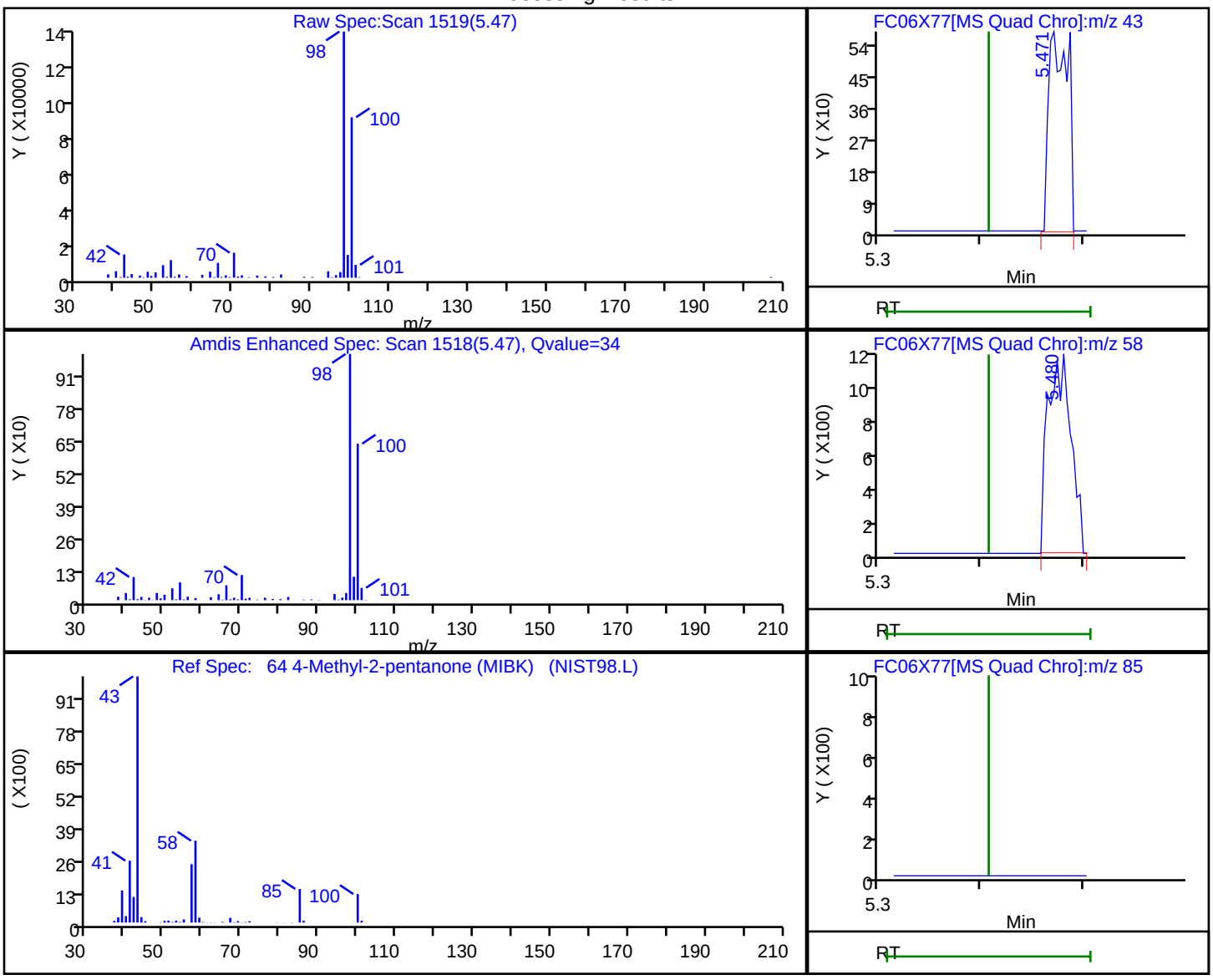
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X77.D				
Injection Date:	07-Oct-2024 05:16:02	Instrument ID:	15830		
Lims ID:	410-190648-A-9	Lab Sample ID:	410-190648-9		
Client ID:	HD-MW-65S-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

64 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.47	43.00	758	4.986224
5.48	58.00	1772	
5.41	85.00	0	
5.47	100.00	169865	

Reviewer: DVW2, 07-Oct-2024 14:26:20 -04:00:00 (UTC)

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

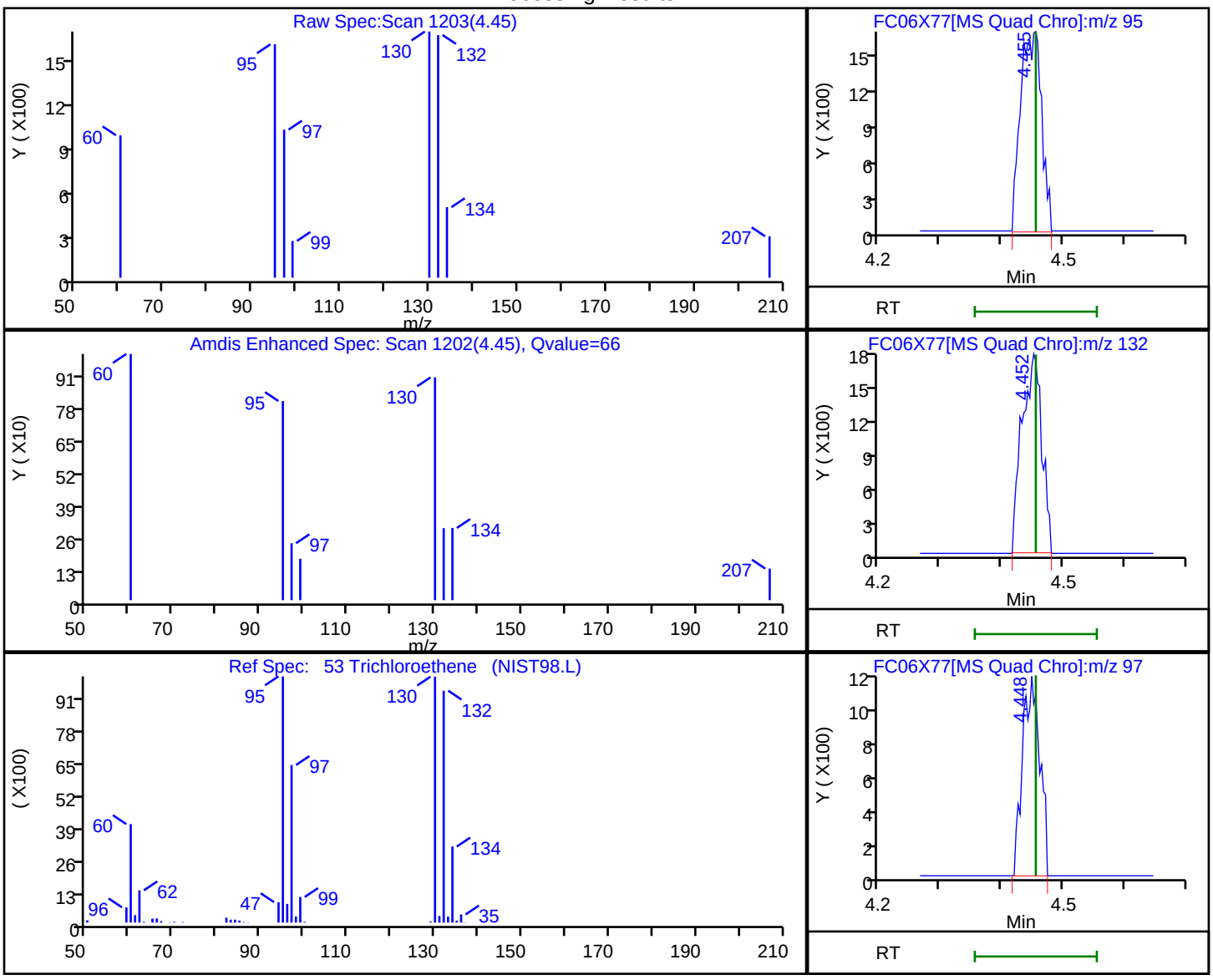
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X77.D				
Injection Date:	07-Oct-2024 05:16:02	Instrument ID:	15830		
Lims ID:	410-190648-A-9	Lab Sample ID:	410-190648-9		
Client ID:	HD-MW-65S-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

53 Trichloroethene, CAS: 79-01-6

Processing Results



RT	Mass	Response	Amount
4.45	95.00	3846	2.332693
4.45	132.00	3926	
4.45	97.00	2221	
4.45	130.00	2110	

Reviewer: DVW2, 07-Oct-2024 14:26:15 -04:00:00 (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.: 410-190648-1

SDG No.:

Client Sample ID: HD-QC2-0/1-2
Lab Sample ID: 410-190648-10

Matrix: Water
Lab File ID: FC06X58.D

Analysis Method: 8260D
Date Collected: 09/30/2024 00:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/06/2024 23:09

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	0.50
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.: 410-190648-1

SDG No.:

Client Sample ID: HD-QC2-0/1-2
Lab Sample ID: 410-190648-10

Matrix: Water
Lab File ID: FC06X58.D

Analysis Method: 8260D
Date Collected: 09/30/2024 00:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/06/2024 23:09

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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)	110		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	108		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\15830\20241006-126925.b\FC06X58.D
Lims ID: 410-190648-A-10
Client ID: HD-QC2-0/1-2
Sample Type: Client
Inject. Date: 06-Oct-2024 23:09:51 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-009
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:36:43 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: EV4P Date: 07-Oct-2024 15:36:43

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	2 Chloromethane	50		1.143				ND	
	3 Vinyl chloride	62		1.201				ND	
	5 Bromomethane	94		1.387				ND	
	6 Chloroethane	64		1.410				ND	
	10 1,1-Dichloroethene	96		1.854				ND	
	11 Acetone	58		1.889				ND	
	14 Carbon disulfide	76		2.014				ND	
	19 Methylene Chloride	84		2.233				ND	
*	20 t-Butyl alcohol-d10 (IS)	65	2.246	2.297	-0.051	90	185477	250.0	
	24 trans-1,2-Dichloroethene	96		2.429				ND	
	25 Methyl tert-butyl ether	73		2.439				ND	
	27 1,1-Dichloroethane	63		2.776				ND	
	31 cis-1,2-Dichloroethene	96		3.230				ND	
	32 2-Butanone (MEK)	43		3.236				ND	
	36 Chlorobromomethane	128		3.416				ND	
	39 Chloroform	83		3.506				ND	
	40 1,1,1-Trichloroethane	97		3.632				ND	
$	41 Dibromofluoromethane (Surr)	113	3.622	3.632	-0.010	94	90354	54.2	
	43 Carbon tetrachloride	117		3.751				ND	
$	46 1,2-Dichloroethane-d4 (Surr)	102	3.889	3.899	-0.010	45	23570	55.2	
	47 Benzene	78		3.908				ND	
	48 1,2-Dichloroethane	62		3.960				ND	
*	50 Fluorobenzene (IS)	96	4.153	4.162	-0.009	99	332307	50.0	
	53 Trichloroethene	95		4.455				ND	
	55 1,2-Dichloropropane	63		4.667				ND	
	60 Dichlorobromomethane	83		4.899				ND	
	63 cis-1,3-Dichloropropene	75		5.262				ND	
	64 4-Methyl-2-pentanone (MIBK)	43		5.407				ND	U
$	65 Toluene-d8 (Surr)	98	5.474	5.481	-0.007	93	283740	49.4	
	66 Toluene	92		5.535				ND	
	67 trans-1,3-Dichloropropene	75		5.738				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
69 1,1,2-Trichloroethane	97		5.879				ND	
70 Tetrachloroethene	166		5.931				ND	
73 2-Hexanone	43		6.050				ND	
74 Chlorodibromomethane	129		6.143				ND	
75 Ethylene Dibromide	107		6.214				ND	
* 76 Chlorobenzene-d5 (IS)	117	6.529	6.532	-0.003	85	216409	50.0	
77 Chlorobenzene	112		6.551				ND	
79 1,1,1,2-Tetrachloroethane	131		6.616				ND	
80 Ethylbenzene	91		6.622				ND	7
81 m-Xylene & p-Xylene	106		6.706				ND	
82 o-Xylene	106		6.944				ND	
83 Styrene	104		6.956				ND	
84 Bromoform	173		7.056				ND	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	94	106315	50.3	
88 1,1,2,2-Tetrachloroethane	83		7.352				ND	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	94	130165	50.0	
S 138 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

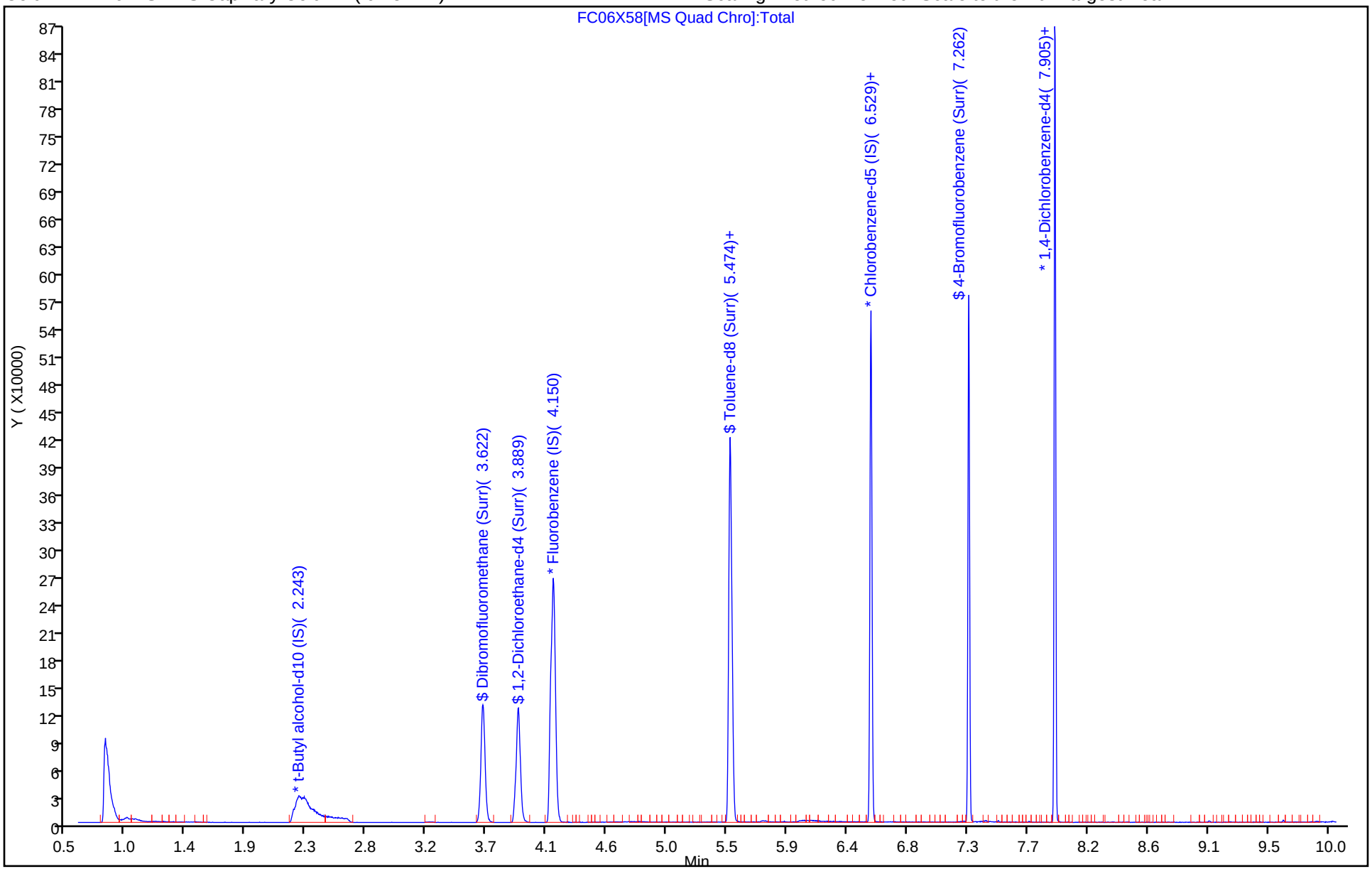
MSV_Cent_ISSS_00031 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 07-Oct-2024 15:36:43 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X58.D				
Injection Date:	06-Oct-2024 23:09:51	Instrument ID:	15830	Operator ID:	gaw91131
Lims ID:	410-190648-A-10	Lab Sample ID:	410-190648-10	Worklist Smp#:	9
Client ID:	HD-QC2-0/1-2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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\15830\20241006-126925.b\FC06X58.D
Lims ID: 410-190648-A-10
Client ID: HD-QC2-0/1-2
Sample Type: Client
Inject. Date: 06-Oct-2024 23:09:51 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0126925-009
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:36:43 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: EV4P Date: 07-Oct-2024 15:36:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 41 Dibromofluoromethane (Surr)	50.0	54.2	108.46
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	55.2	110.31
$ 65 Toluene-d8 (Surr)	50.0	49.4	98.81
$ 86 4-Bromofluorobenzene (Surr)	50.0	50.3	100.59

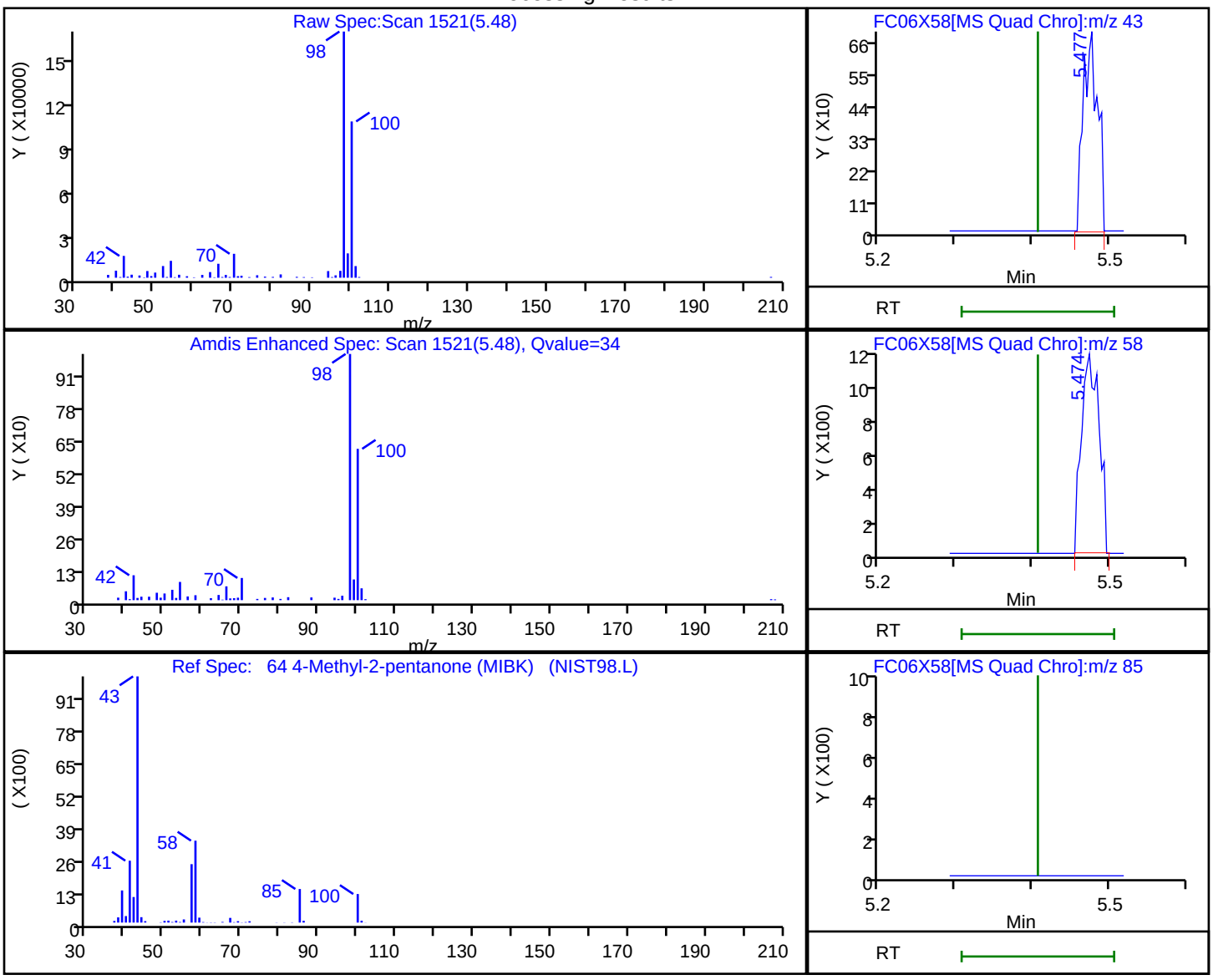
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X58.D				
Injection Date:	06-Oct-2024 23:09:51	Instrument ID:	15830		
Lims ID:	410-190648-A-10	Lab Sample ID:	410-190648-10		
Client ID:	HD-QC2-0/1-2				
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

64 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.48	43.00	907	5.019884
5.47	58.00	1910	
5.41	85.00	0	
5.47	100.00	187033	

Reviewer: EV4P, 07-Oct-2024 15:36:31 07:00:00 (UTC)

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

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-522257/4	FU27X06.D
Level 2	IC 410-522257/5	FU27X08.D
Level 3	IC 410-522257/6	FU27X10.D
Level 4	IC 410-522257/7	FU27X12.D
Level 5	ICIS 410-522257/8	FU27X14.D
Level 6	IC 410-522257/9	FU27X16.D
Level 7	IC 410-522257/10	FU27X18.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	0.3262 0.3829	0.4063 0.3744	0.4318	0.3989	0.4106	Ave		0.3902			0.1000	8.7		20.0			
Chloromethane	0.4070 0.3981	0.4212 0.3866	0.4421	0.4140	0.4191	Ave		0.4126			0.1000	4.3		20.0			
Vinyl chloride	0.3290 0.3734	0.3789 0.3594	0.4163	0.3923	0.3915	Ave		0.3773			0.1000	7.4		20.0			
1,3-Butadiene	0.3676 0.4140	0.5124 0.3958	0.4599	0.4488	0.4418	Ave		0.4343				10.9		20.0			
Bromomethane	0.2421 0.2654	0.2752 0.2510	0.3022	0.2833	0.2819	Ave		0.2716			0.1000	7.6		20.0			
Chloroethane	0.2026 0.2184	0.2303 0.2098	0.2482	0.2335	0.2320	Ave		0.2250			0.1000	6.9		20.0			
Dichlorofluoromethane	0.6103 0.5865	0.6289 0.5571	0.6730	0.6131	0.6160	Ave		0.6121			0.1000	5.9		20.0			
n-Pentane	0.3268 0.4234	0.5014 0.4117	0.4487	0.4353	0.4277	Ave		0.4250				12.3		20.0			
Trichlorofluoromethane	0.2934 0.4699	0.4794 0.4537	0.5148	0.4940	0.4982	Ave		0.4576			0.1000	16.4		20.0			
Freon 123a	0.2975 0.3094	0.3412 0.2995	0.3601	0.3237	0.3276	Ave		0.3227				7.1		20.0			
Acrolein	0.3669 0.8440	0.4485 1.0162	0.5324	0.3263	0.6637	Ave		0.5997				42.7	*	20.0			
1,1-Dichloroethene	0.2000 0.2381	0.2682 0.2291	0.2425	0.2492	0.2406	Ave		0.2382			0.1000	8.7		20.0			
Acetone	+++++ 0.5484	0.4615 0.5347	0.5536	0.3530	0.5435	Ave		0.4991			0.1000	15.9		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.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

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	0.2108 0.2865	0.3045 0.2696	0.2775	0.2905	0.2852	Ave		0.2749			0.1000	11.0		20.0			
Methyl iodide	0.4439 0.4652	0.5176 0.4442	0.4743	0.4827	0.4679	Ave		0.4709				5.4		20.0			
2-Propanol	+++++ 0.4532	0.4551 0.3937	0.3788	0.4325	0.3959	Ave		0.4182				7.9		20.0			
Carbon disulfide	0.7357 0.7541	0.8010 0.7125	0.7518	0.7713	0.7634	Ave		0.7557			0.1000	3.7		20.0			
Allyl chloride	0.5884 0.3771	0.4713 0.3680	0.4217	0.4075	0.3975	Ave		0.4331				17.6		20.0			
Methyl acetate	0.3237 0.3684	0.3393 0.3157	0.4083	0.3271	0.3767	Ave		0.3513			0.1000	9.7		20.0			
Methylene Chloride	0.3080 0.2593	0.2979 0.2484	0.2777	0.2723	0.2607	Ave		0.2749			0.1000	7.8		20.0			
t-Butyl alcohol	0.8911 0.9546	0.9662 0.9128	0.9529	0.9618	1.0262	Ave		0.9522				4.5		20.0			
Acrylonitrile	0.1847 0.1837	0.1891 0.1755	0.1866	0.1872	0.1854	Ave		0.1846				2.4		20.0			
Methyl tert-butyl ether	0.7132 0.7312	0.7845 0.6860	0.7428	0.7436	0.7369	Ave		0.7340			0.1000	4.1		20.0			
trans-1,2-Dichloroethene	0.2551 0.2472	0.2833 0.2351	0.2593	0.2567	0.2506	Ave		0.2553			0.1000	5.8		20.0			
n-Hexane	0.3369 0.3137	0.3649 0.3002	0.3201	0.3200	0.3252	Ave		0.3259				6.3		20.0			
1,1-Dichloroethane	0.4168 0.4261	0.4705 0.4084	0.4334	0.4450	0.4322	Ave		0.4332			0.2000	4.7		20.0			
Isopropyl ether	0.7388 0.7244	0.7870 0.6908	0.7373	0.7405	0.7250	Ave		0.7348				3.9		20.0			
2-Chloro-1,3-butadiene	0.3866 0.3773	0.4175 0.3610	0.3806	0.3931	0.3808	Ave		0.3853				4.5		20.0			
Ethyl t-butyl ether	0.6898 0.7241	0.7692 0.6790	0.7270	0.7439	0.7292	Ave		0.7232				4.2		20.0			
cis-1,2-Dichloroethene	0.2507 0.2692	0.3046 0.2580	0.2770	0.2815	0.2727	Ave		0.2734			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.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

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)	+++++ 0.2480	0.2856 0.2540	0.2567	0.1743	0.2507	Ave		0.2449			0.1000	15.2		20.0			
2,2-Dichloropropane	0.3981 0.3834	0.4489 0.3667	0.4075	0.4084	0.3941	Ave		0.4010				6.4		20.0			
Propionitrile	0.7165 0.8392	0.7513 0.8564	0.7764	0.7595	0.8285	Ave		0.7897				6.6		20.0			
Methacrylonitrile	0.1626 0.1647	0.1702 0.1628	0.1597	0.1611	0.1640	Ave		0.1636				2.1		20.0			
Bromochloromethane	0.0996 0.1316	0.1425 0.1276	0.1303	0.1331	0.1336	Ave		0.1283				10.5		20.0			
Tetrahydrofuran	0.6997 0.7618	0.7198 0.7985	0.6900	0.6815	0.7434	Ave		0.7278				5.8		20.0			
Chloroform	0.5386 0.4134	0.4860 0.3960	0.4308	0.4379	0.4217	Ave		0.4463			0.2000	11.1		20.0			
1,1,1-Trichloroethane	0.3982 0.4000	0.4385 0.3898	0.3992	0.4115	0.4027	Ave		0.4057			0.1000	3.9		20.0			
Cyclohexane	0.4909 0.4796	0.5460 0.4646	0.4703	0.4876	0.4779	Ave		0.4881			0.1000	5.6		20.0			
1,1-Dichloropropene	0.2753 0.3362	0.3551 0.3303	0.3269	0.3414	0.3373	Ave		0.3289				7.7		20.0			
Carbon tetrachloride	0.2946 0.3560	0.3694 0.3483	0.3314	0.3561	0.3486	Ave		0.3435			0.1000	7.1		20.0			
Isobutyl alcohol	0.3812 0.2475	0.2898 0.2414	0.2571	0.2595	0.2699	Ave		0.2780				17.3		20.0			
Benzene	0.9350 0.9784	1.0767 0.9564	0.9527	1.0011	0.9747	Ave		0.9822			0.5000	4.8		20.0			
1,2-Dichloroethane	0.2784 0.3073	0.3276 0.2982	0.3031	0.3104	0.3090	Ave		0.3049			0.1000	4.9		20.0			
t-Amyl methyl ether	0.6805 0.7042	0.7542 0.6696	0.7132	0.7130	0.7071	Ave		0.7060				3.8		20.0			
n-Heptane	0.3452 0.2528	0.3129 0.2403	0.2712	0.2623	0.2654	Ave		0.2786				13.3		20.0			
n-Butanol	0.2013 0.1983	0.2136 0.1905	0.1989	0.2011	0.2099	Ave		0.2019				3.8		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.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

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								
Trichloroethene	0.2474 0.2589	0.2940 0.2537	0.2526	0.2692	0.2581	Ave		0.2620			0.2000	6.0		20.0			
Methylcyclohexane	0.4349 0.4751	0.4962 0.4581	0.4583	0.4671	0.4735	Ave		0.4662			0.1000	4.1		20.0			
1,2-Dichloropropane	0.1887 0.2368	0.2358 0.2346	0.2261	0.2329	0.2333	Ave		0.2269			0.1000	7.6		20.0			
t-Amyl ethyl ether	0.3452 0.3899	0.4016 0.3791	0.3724	0.3855	0.3860	Ave		0.3799				4.7		20.0			
1,4-Dioxane	+++++ 0.0398	0.0450 0.0407	0.0378	0.0406	0.0388	Ave		0.0405			0.0050	6.2		20.0			
Dibromomethane	0.1314 0.1581	0.1594 0.1545	0.1515	0.1538	0.1564	Ave		0.1521				6.3		20.0			
Methyl methacrylate	0.2282 0.2272	0.2226 0.2297	0.2090	0.2179	0.2209	Ave		0.2222				3.2		20.0			
Bromodichloromethane	0.2608 0.2951	0.2985 0.2939	0.2736	0.2813	0.2877	Ave		0.2844			0.2000	4.8		20.0			
2-Nitropropane	1.1508 1.2786	1.1621 1.3412	1.1391	1.0633	1.2322	Ave		1.1953				7.9		20.0			
2-Chloroethyl vinyl ether	0.1254 0.1668	0.1506 0.1711	0.1535	0.1551	0.1587	Ave		0.1544				9.6		20.0			
cis-1,3-Dichloropropene	0.3187 0.3785	0.3649 0.3834	0.3440	0.3555	0.3630	Ave		0.3583			0.2000	6.1		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.4587	0.4324 0.4437	0.4645	0.2888	0.4563	Qua	-2.255	0.4766	-0.000048		0.1000				0.9990		0.9900
Toluene	0.8175 0.8360	0.9170 0.8127	0.8156	0.8553	0.8381	Ave		0.8417			0.4000	4.3		20.0			
trans-1,3-Dichloropropene	0.4238 0.4573	0.4650 0.4572	0.4267	0.4431	0.4476	Ave		0.4458			0.1000	3.5		20.0			
Ethyl methacrylate	0.5037 0.4996	0.5333 0.4852	0.4870	0.5007	0.5121	Ave		0.5031				3.2		20.0			
1,1,2-Trichloroethane	0.2798 0.2826	0.2919 0.2737	0.2745	0.2807	0.2808	Ave		0.2806			0.1000	2.1		20.0			
Tetrachloroethene	0.3529 0.3769	0.4112 0.3685	0.3608	0.3771	0.3784	Ave		0.3751			0.2000	4.9		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.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

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-Dichloropropane	0.4058 0.4678	0.4774 0.4658	0.4472	0.4623	0.4659	Ave		0.4560				5.2		20.0			
2-Hexanone	0.4705 0.4565	0.4650 0.4354	0.4821	0.3089	0.4648	Ave		0.4405			0.1000	13.6		20.0			
Dibromochloromethane	0.2569 0.3232	0.3151 0.3263	0.2914	0.3029	0.3156	Ave		0.3045				7.9		20.0			
1,2-Dibromoethane (EDB)	0.3043 0.3081	0.3167 0.3037	0.2933	0.3057	0.3129	Ave		0.3064			0.1000	2.4		20.0			
Chlorobenzene	0.9075 0.9341	0.9842 0.9226	0.9074	0.9393	0.9308	Ave		0.9323			0.5000	2.8		20.0			
1-Chlorohexane	0.4503 0.4448	0.4955 0.4392	0.4509	0.4643	0.4589	Ave		0.4577				4.1		20.0			
1,1,1,2-Tetrachloroethane	0.3119 0.3545	0.3550 0.3440	0.3340	0.3497	0.3540	Ave		0.3433				4.6		20.0			
Ethylbenzene	1.6203 1.6402	1.7711 1.6027	1.6171	1.6629	1.6533	Ave		1.6525			0.1000	3.4		20.0			
m&p-Xylene	0.6485 0.6521	0.6924 0.6358	0.6427	0.6670	0.6606	Ave		0.6570			0.1000	2.9		20.0			
o-Xylene	0.6353 0.6769	0.7216 0.6502	0.6636	0.6956	0.6860	Ave		0.6756			0.3000	4.3		20.0			
Styrene	0.9625 1.0202	1.0643 1.0014	0.9795	1.0334	1.0315	Ave		1.0132			0.3000	3.4		20.0			
Bromoform	0.2182 0.2495	0.2301 0.2554	0.2190	0.2289	0.2499	Ave		0.2359			0.1000	6.6		20.0			
Isopropylbenzene	1.5728 1.6786	1.7792 1.6158	1.6352	1.6940	1.7121	Ave		1.6697			0.1000	4.1		20.0			
Bromobenzene	0.6428 0.6984	0.7101 0.6903	0.6695	0.6988	0.7125	Ave		0.6889				3.6		20.0			
1,1,2,2-Tetrachloroethane	0.8940 0.9202	0.9273 0.8747	0.9028	0.8706	0.9599	Ave		0.9071			0.3000	3.5		20.0			
trans-1,4-Dichloro-2-butene	0.2754 0.2794	0.2785 0.2675	0.2706	0.2799	0.2924	Ave		0.2777				2.9		20.0			
1,2,3-Trichloropropane	0.2858 0.3012	0.3104 0.2888	0.2941	0.3011	0.3138	Ave		0.2993				3.5		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.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

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-Propylbenzene	3.1148 3.4389	3.5561 3.2444	3.3482	3.4570	3.4705	Ave		3.3757				4.5		20.0			
2-Chlorotoluene	0.6269 0.7280	0.7662 0.7062	0.7133	0.7319	0.7358	Ave		0.7155				6.1		20.0			
1,3,5-Trimethylbenzene	2.3611 2.6088	2.6538 2.5380	2.4431	2.5604	2.6730	Ave		2.5483				4.4		20.0			
4-Chlorotoluene	0.5789 0.6995	0.7099 0.6855	0.6863	0.7038	0.6975	Ave		0.6802				6.7		20.0			
tert-Butylbenzene	0.4428 0.5474	0.5236 0.5374	0.4933	0.5196	0.5558	Ave		0.5171				7.5		20.0			
1,2,4-Trimethylbenzene	2.3110 2.5950	2.6473 2.5306	2.4853	2.6018	2.6433	Ave		2.5449				4.7		20.0			
sec-Butylbenzene	2.6989 3.1987	3.1185 3.0616	3.0396	3.1389	3.2531	Ave		3.0728				5.9		20.0			
1,3-Dichlorobenzene	1.2315 1.3134	1.3892 1.2731	1.2449	1.3104	1.3174	Ave		1.2971			0.6000	4.1		20.0			
p-Isopropyltoluene	2.3902 2.7816	2.8122 2.6793	2.6839	2.7680	2.8474	Ave		2.7089				5.7		20.0			
1,4-Dichlorobenzene	1.2891 1.3157	1.3257 1.2737	1.2721	1.3136	1.3215	Ave		1.3016			0.5000	1.8		20.0			
1,2,3-Trimethylbenzene	2.4183 2.6880	2.7430 2.5832	2.5771	2.6397	2.7015	Ave		2.6215				4.1		20.0			
Benzyl chloride	1.7694 1.7889	1.9075 1.7219	1.7918	1.8115	1.8706	Ave		1.8088				3.4		20.0			
1,3-Diethylbenzene	1.3252 1.5798	1.5633 1.5010	1.5154	1.5599	1.6164	Ave		1.5230				6.3		20.0			
1,4-Diethylbenzene	1.4012 1.6223	1.6428 1.5388	1.5767	1.6201	1.6702	Ave		1.5817				5.7		20.0			
n-Butylbenzene	1.0515 1.2368	1.2829 1.2003	1.2111	1.2435	1.2945	Ave		1.2172				6.6		20.0			
1,2-Dichlorobenzene	1.2018 1.3523	1.4068 1.2966	1.2890	1.3445	1.3673	Ave		1.3226			0.4000	5.1		20.0			
1,2-Diethylbenzene	1.1214 1.3265	1.2910 1.2815	1.2694	1.3118	1.3533	Ave		1.2793				5.9		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.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

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								
1,2-Dibromo-3-Chloropropane	0.3006 0.3380	0.3211 0.3179	0.3247	0.3229	0.3549	Ave		0.3257			0.0500	5.2		20.0			
1,3,5-Trichlorobenzene	0.8127 0.9147	0.9595 0.8550	0.9065	0.9381	0.9490	Ave		0.9051				5.9		20.0			
1,2,4-Trichlorobenzene	0.8659 0.9389	0.9685 0.8449	0.9170	0.9367	0.9621	Ave		0.9191			0.2000	5.1		20.0			
Hexachlorobutadiene	0.3000 0.3534	0.3499 0.3225	0.3329	0.3599	0.3699	Ave		0.3412				7.1		20.0			
Naphthalene	3.9088 3.9353	4.0569 3.5552	3.8809	3.9927	4.1303	Ave		3.9229				4.7		20.0			
1,2,3-Trichlorobenzene	0.8989 0.9301	0.9782 0.8464	0.9259	0.9582	0.9617	Ave		0.9285				4.8		20.0			
2-Methylnaphthalene	2.0995 2.2234	2.1839 1.8647	2.1270	2.2412	2.3410	Ave		2.1544				7.0		20.0			
Dibromofluoromethane (Surr)	0.2504 0.2473	0.2563 0.2457	0.2523	0.2514	0.2515	Ave		0.2507				1.4		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0646 0.0636	0.0649 0.0631	0.0655	0.0652	0.0632	Ave		0.0643				1.5		20.0			
Toluene-d8 (Surr)	1.3516 1.3176	1.3400 1.2990	1.3232	1.3281	1.3285	Ave		1.3269				1.3		20.0			
4-Bromofluorobenzene (Surr)	0.5020 0.4906	0.4835 0.4807	0.4866	0.4865	0.4887	Ave		0.4884				1.4		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.: 410-190648-1 | Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 | Calibration End Date: 06/27/2024 21:13 | Calibration ID: 63270

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-522257/4	FU27X06.D
Level 2	IC 410-522257/5	FU27X08.D
Level 3	IC 410-522257/6	FU27X10.D
Level 4	IC 410-522257/7	FU27X12.D
Level 5	ICIS 410-522257/8	FU27X14.D
Level 6	IC 410-522257/9	FU27X16.D
Level 7	IC 410-522257/10	FU27X18.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	2813 350117	13845 1073634	37686	70371	184327	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	3510 363963	14354 1108586	38579	73041	188118	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	2837 341451	12914 1030457	36331	69207	175728	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	3170 378559	17461 1135039	40131	79185	198332	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	2088 242626	9378 719700	26372	49976	126561	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	1747 199715	7848 601679	21657	41190	104152	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	5263 536264	21433 1597406	58734	108167	276540	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	2818 387108	17088 1180626	39158	76796	191999	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	2530 429625	16337 1300872	44929	87146	223660	1.00 100	4.00 300	10.0	20.0	50.0
Freon 123a	FB	Ave	2565 282904	11628 858925	31424	57102	147080	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd10	Ave	3588 774796	16703 2740133	49090	63051	306388	10.0 1002	40.1 3007	100	200	501
1,1-Dichloroethene	FB	Ave	1725 217731	9141 656857	21161	43956	107988	1.00 100	4.00 300	10.0	20.0	50.0
Acetone	TBAd10	Ave	+++++ 100457	3430 287746	10186	13611	50070	+++++ 200	8.00 600	20.0	40.0	100
Freon 113	FB	Ave	1818 261928	10377 773138	24217	51245	128029	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.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

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
Methyl iodide	FB	Ave	3828 425403	17640 1273844	41388	85159	210067	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd10	Ave	+++++ 207577	8455 529692	17425	41693	91174	+++++ 500	20.0 1500	50.0	100	250
Carbon disulfide	FB	Ave	6344 689504	27299 2043034	65609	136066	342692	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	5074 344840	16061 1055156	36801	71892	178422	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	2791 336860	11564 905379	35630	57706	169092	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	2656 237057	10152 712281	24232	48034	117037	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	4348 437215	17952 1227965	43835	92722	236360	5.00 500	20.0 1500	50.0	100	250
Acrylonitrile	FB	Ave	3982 419916	16112 1258319	40718	82585	208042	2.50 250	10.0 750	25.0	50.0	125
Methyl tert-butyl ether	FB	Ave	6150 668585	26737 1967121	64824	131186	330791	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	2200 225994	9655 674199	22629	45290	112478	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	2905 286847	12435 860822	27933	56461	145975	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	3594 389599	16035 1171073	37825	78499	194026	1.00 100	4.00 300	10.0	20.0	50.0
Isopropyl ether	FB	Ave	6371 662358	26819 1980824	64342	130642	325456	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	3334 345030	14228 1035176	33214	69353	170943	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl t-butyl ether	FB	Ave	5948 662113	26213 1946984	63439	131241	327337	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	2162 246131	10382 739785	24172	49669	122406	1.00 100	4.00 300	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	+++++ 453515	19467 1456819	44798	61509	225079	+++++ 200	8.00 600	20.0	40.0	100
2,2-Dichloropropane	FB	Ave	3433 350603	15297 1051537	35563	72045	176926	1.00 100	4.00 300	10.0	20.0	50.0
Propionitrile	TBAd10	Ave	3496 384361	13958 1152109	35717	73216	190825	5.00 500	20.0 1500	50.0	100	250

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

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
Methacrylonitrile	FB	Ave	3506 376476	14504 1166716	34840	71046	184001	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	859 120367	4858 365755	11371	23483	59963	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd10	Ave	3414 348878	13374 1074207	31739	65695	171219	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	4644 377975	16563 1135464	37591	77253	189284	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	3434 365709	14945 1117674	34841	72595	180759	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	4233 438566	18609 1332194	41041	86020	214522	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	2374 307393	12103 947156	28529	60230	151422	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	2540 325481	12590 998799	28916	62816	156474	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd10	Ave	4650 283393	13459 811826	29563	62530	155439	12.5 1250	50.0 3750	125	250	625
Benzene	FB	Ave	8063 894609	36694 2742477	83139	176619	437571	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	2401 280956	11166 855193	26447	54762	138732	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	5868 643929	25704 1920047	62236	125795	317440	1.00 100	4.00 300	10.0	20.0	50.0
n-Heptane	FB	Ave	2977 231110	10665 689137	23665	46281	119132	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd10	Ave	2456 227055	9921 640562	22869	48466	120889	12.5 1250	50.0 3750	125	250	625
Trichloroethene	FB	Ave	2133 236750	10020 727497	22040	47494	115859	1.00 100	4.00 300	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	3750 434403	16911 1313508	39995	82400	212561	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	1627 216560	8036 672744	19731	41080	104729	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	2977 356468	13687 1086935	32499	68012	173259	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd10	Ave	+++++	2091	4345	9789	22339	+++++	50.0	125	250	625

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

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
			45566	136979				1250	3750			
Dibromomethane	FB	Ave	1133 144563	5432 443039	13221	27128	70188	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	1968 207710	7587 658658	18239	38441	99180	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	2249 269831	10174 842707	23878	49629	129161	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd10	Ave	5615 585608	21592 1804250	52401	102501	283799	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	1081 152487	5132 490495	13397	27355	71246	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	2748 346077	12435 1099350	30016	62722	162940	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	FB	Qua	+++++ 838746	29469 2544749	81070	101907	409677	+++++ 200	8.00 600	20.0	40.0	100
Toluene	CBZd5	Ave	4814 559367	21674 1745919	50232	107372	269120	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZd5	Ave	2496 306003	10990 982208	26280	55624	143743	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl methacrylate	CBZd5	Ave	2966 334263	12604 1042239	29993	62859	164454	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZd5	Ave	1648 189068	6900 588004	16904	35240	90180	1.00 100	4.00 300	10.0	20.0	50.0
Tetrachloroethene	CBZd5	Ave	2078 252164	9719 791685	22220	47346	121497	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichloropropane	CBZd5	Ave	2390 313010	11283 1000645	27542	58033	149611	1.00 100	4.00 300	10.0	20.0	50.0
2-Hexanone	CBZd5	Ave	5541 610870	21981 1870671	59384	77564	298530	2.00 200	8.00 600	20.0	40.0	100
Dibromochloromethane	CBZd5	Ave	1513 216237	7448 700929	17948	38029	101357	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromoethane (EDB)	CBZd5	Ave	1792 206144	7486 652331	18066	38383	100477	1.00 100	4.00 300	10.0	20.0	50.0
Chlorobenzene	CBZd5	Ave	5344 625012	23262 1981814	55890	117921	298900	1.00 100	4.00 300	10.0	20.0	50.0
1-Chlorohexane	CBZd5	Ave	2652 297593	11712 943381	27773	58290	147350	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZd5	Ave	1837 237189	8391 739071	20570	43903	113660	1.00 100	4.00 300	10.0	20.0	50.0

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

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
Ethylbenzene	CBZd5	Ave	9542 1097450	41862 3442917	99598	208757	530904	1.00 100	4.00 300	10.0	20.0	50.0
m&p-Xylene	CBZd5	Ave	7638 872613	32731 2731754	79171	167462	424266	2.00 200	8.00 600	20.0	40.0	100
o-Xylene	CBZd5	Ave	3741 452920	17055 1396674	40871	87327	220275	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd5	Ave	5668 682590	25155 2151153	60326	129739	331222	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd5	Ave	1285 166910	5439 548640	13491	28733	80259	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd5	Ave	9262 1123128	42054 3471122	100712	212664	549782	1.00 100	4.00 300	10.0	20.0	50.0
Bromobenzene	DCBd4	Ave	2224 257629	9646 824267	23275	49172	127760	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	3093 339475	12596 1044530	31388	61264	172118	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	2382 257642	9457 798669	23519	49234	131091	2.50 250	10.0 750	25.0	50.0	125
1,2,3-Trichloropropane	DCBd4	Ave	989 111113	4216 344840	10225	21190	56261	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd4	Ave	10777 1268616	48304 3874325	116405	243258	622261	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	2169 268555	10408 843343	24799	51503	131925	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	8169 962367	36048 3030787	84937	180164	479267	1.00 100	4.00 300	10.0	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	2003 258049	9643 818643	23859	49522	125063	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	1532 201950	7113 641731	17150	36562	99660	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCBd4	Ave	7996 957302	35959 3021875	86403	183079	473940	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	9338 1180012	42360 3656043	105673	220873	583281	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	4261 484495	18870 1520250	43279	92208	236219	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd4	Ave	8270 1026126	38200 3199515	93307	194773	510540	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	4460 485341	18007 1520978	44225	92431	236951	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.: 410-190648-1 | Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 | Calibration End Date: 06/27/2024 21:13 | Calibration ID: 63270

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
1,2,3-Trimethylbenzene	DCBd4	Ave	8367 991598	37260 3084697	89596	185745	484389	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd4	Ave	6122 659920	25911 2056275	62293	127471	335405	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd4	Ave	4585 582797	21235 1792423	52686	109764	289816	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd4	Ave	4848 598452	22315 1837594	54814	113998	299475	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd4	Ave	3638 456255	17426 1433344	42106	87501	232114	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	4158 498858	19109 1548359	44815	94610	245154	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd4	Ave	3880 489334	17537 1530286	44133	92310	242654	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1040 124683	4361 379630	11289	22720	63641	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	2812 337439	13033 1020997	31516	66008	170158	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	2996 346369	13155 1008910	31882	65912	172500	1.00 100	4.00 300	10.0	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	1038 130371	4753 385080	11575	25323	66329	1.00 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd4	Ave	13524 1451727	55107 4245505	134922	280954	740573	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	3110 343121	13288 1010743	32189	67426	172432	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd4	Ave	7264 820195	29665 2226713	73949	157702	419741	1.00 100	4.00 300	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	107942 113055	109198 117399	110070	110859	112910	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	27843 29093	27633 30154	28564	28774	28384	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd5	Ave	397981 440797	395891 465088	407479	416830	426587	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	147804 164113	142841 172119	149849	152704	156927	50.0 50.0	50.0 50.0	50.0	50.0	50.0

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.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-522257/4	FU27X06.D
Level 2	IC 410-522257/5	FU27X08.D
Level 3	IC 410-522257/6	FU27X10.D
Level 4	IC 410-522257/7	FU27X12.D
Level 5	ICIS 410-522257/8	FU27X14.D
Level 6	IC 410-522257/9	FU27X16.D
Level 7	IC 410-522257/10	FU27X18.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	-16.4 -4.0	4.1	10.7	2.2	5.2	-1.9	50 30	30	30	30	30	30
Chloromethane	-1.3 -6.3	2.1	7.2	0.3	1.6	-3.5	50 30	30	30	30	30	30
Vinyl chloride	-12.8 -4.7	0.4	10.4	4.0	3.8	-1.0	50 30	30	30	30	30	30
1,3-Butadiene	-15.4 -8.9	18.0	5.9	3.3	1.7	-4.7	50 30	30	30	30	30	30
Bromomethane	-10.8 -7.6	1.3	11.3	4.3	3.8	-2.3	50 30	30	30	30	30	30
Chloroethane	-9.9 -6.7	2.4	10.3	3.8	3.1	-2.9	50 30	30	30	30	30	30
Dichlorofluoromethane	-0.3 -9.0	2.7	9.9	0.2	0.6	-4.2	50 30	30	30	30	30	30
n-Pentane	-23.1 -3.1	18.0	5.6	2.4	0.6	-0.4	50 30	30	30	30	30	30
Trichlorofluoromethane	-35.9 -0.9	4.8	12.5	7.9	8.9	2.7	50 30	30	30	30	30	30
Freon 123a	-7.8 -7.2	5.7	11.6	0.3	1.5	-4.1	50 30	30	30	30	30	30
Acrolein	-38.8 69.4 *	-25.2	-11.2	-45.6 *	10.7	40.7 *	50 30	30	30	30	30	30
1,1-Dichloroethene	-16.0 -3.8	12.6	1.8	4.6	1.0	0.0	50 30	30	30	30	30	30
Acetone	+++++ 7.1	-7.5	10.9	-29.3	8.9	9.9	30	50	30	30	30	30
Freon 113	-23.3 -1.9	10.7	0.9	5.6	3.7	4.2	50 30	30	30	30	30	30
Methyl iodide	-5.7 -5.6	9.9	0.7	2.5	-0.6	-1.2	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.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

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
2-Propanol	+++++ -5.8	8.8	-9.4	3.4	-5.3	8.4	30	50	30	30	30	30
Carbon disulfide	-2.6 -5.7	6.0	-0.5	2.1	1.0	-0.2	50 30	30	30	30	30	30
Allyl chloride	35.9 -15.0	8.8	-2.6	-5.9	-8.2	-12.9	50 30	30	30	30	30	30
Methyl acetate	-7.9 -10.1	-3.4	16.2	-6.9	7.2	4.9	50 30	30	30	30	30	30
Methylene Chloride	12.0 -9.6	8.4	1.0	-1.0	-5.2	-5.7	50 30	30	30	30	30	30
t-Butyl alcohol	-6.4 -4.1	1.5	0.1	1.0	7.8	0.3	50 30	30	30	30	30	30
Acrylonitrile	0.1 -4.9	2.4	1.1	1.4	0.4	-0.5	50 30	30	30	30	30	30
Methyl tert-butyl ether	-2.8 -6.5	6.9	1.2	1.3	0.4	-0.4	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-0.1 -7.9	11.0	1.6	0.5	-1.9	-3.2	50 30	30	30	30	30	30
n-Hexane	3.4 -7.9	12.0	-1.8	-1.8	-0.2	-3.7	50 30	30	30	30	30	30
1,1-Dichloroethane	-3.8 -5.7	8.6	0.1	2.7	-0.2	-1.6	50 30	30	30	30	30	30
Isopropyl ether	0.5 -6.0	7.1	0.3	0.8	-1.3	-1.4	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	0.4 -6.3	8.4	-1.2	2.0	-1.2	-2.1	50 30	30	30	30	30	30
Ethyl t-butyl ether	-4.6 -6.1	6.4	0.5	2.9	0.8	0.1	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-8.3 -5.6	11.4	1.3	3.0	-0.3	-1.5	50 30	30	30	30	30	30
2-Butanone (MEK)	+++++ 3.7	16.6	4.8	-28.8	2.4	1.3	30	50	30	30	30	30
2,2-Dichloropropane	-0.7 -8.6	11.9	1.6	1.8	-1.7	-4.4	50 30	30	30	30	30	30
Propionitrile	-9.3 8.4	-4.9	-1.7	-3.8	4.9	6.3	50 30	30	30	30	30	30
Methacrylonitrile	-0.6 -0.5	4.1	-2.4	-1.5	0.2	0.7	50 30	30	30	30	30	30
Bromochloromethane	-22.4 -0.6	11.1	1.5	3.7	4.1	2.6	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.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

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
Tetrahydrofuran	-3.9 9.7	-1.1	-5.2	-6.4	2.1	4.7	50 30	30	30	30	30	30
Chloroform	20.7 -11.3	8.9	-3.5	-1.9	-5.5	-7.4	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-1.8 -3.9	8.1	-1.6	1.4	-0.7	-1.4	50 30	30	30	30	30	30
Cyclohexane	0.6 -4.8	11.9	-3.7	-0.1	-2.1	-1.7	50 30	30	30	30	30	30
1,1-Dichloropropene	-16.3 0.4	8.0	-0.6	3.8	2.5	2.2	50 30	30	30	30	30	30
Carbon tetrachloride	-14.2 1.4	7.6	-3.5	3.7	1.5	3.6	50 30	30	30	30	30	30
Isobutyl alcohol	37.1 -13.2	4.2	-7.5	-6.7	-2.9	-11.0	50 30	30	30	30	30	30
Benzene	-4.8 -2.6	9.6	-3.0	1.9	-0.8	-0.4	50 30	30	30	30	30	30
1,2-Dichloroethane	-8.7 -2.2	7.5	-0.6	1.8	1.4	0.8	50 30	30	30	30	30	30
t-Amyl methyl ether	-3.6 -5.2	6.8	1.0	1.0	0.2	-0.2	50 30	30	30	30	30	30
n-Heptane	23.9 -13.7	12.3	-2.7	-5.8	-4.7	-9.3	50 30	30	30	30	30	30
n-Butanol	-0.3 -5.7	5.8	-1.5	-0.4	4.0	-1.8	50 30	30	30	30	30	30
Trichloroethene	-5.6 -3.2	12.2	-3.6	2.8	-1.5	-1.2	50 30	30	30	30	30	30
Methylcyclohexane	-6.7 -1.7	6.4	-1.7	0.2	1.6	1.9	50 30	30	30	30	30	30
1,2-Dichloropropane	-16.8 3.4	3.9	-0.3	2.6	2.8	4.4	50 30	30	30	30	30	30
t-Amyl ethyl ether	-9.1 -0.2	5.7	-2.0	1.5	1.6	2.6	50 30	30	30	30	30	30
1,4-Dioxane	+++++ 0.7	11.3	-6.6	0.4	-4.1	-1.6	 30	50	30	30	30	30
Dibromomethane	-13.6 1.6	4.8	-0.4	1.1	2.8	3.9	50 30	30	30	30	30	30
Methyl methacrylate	2.7 3.4	0.2	-5.9	-1.9	-0.6	2.2	50 30	30	30	30	30	30
Bromodichloromethane	-8.3 3.3	5.0	-3.8	-1.1	1.2	3.8	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

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
2-Nitropropane	-3.7 12.2	-2.8	-4.7	-11.0	3.1	7.0	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-18.8 10.8	-2.5	-0.6	0.4	2.8	8.0	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-11.1 7.0	1.8	-4.0	-0.8	1.3	5.6	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	+++++ 0.0	50.0	21.4	-27.4	1.5	0.7	 30	50	30	30	30	30
Toluene	-2.9 -3.4	8.9	-3.1	1.6	-0.4	-0.7	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-4.9 2.6	4.3	-4.3	-0.6	0.4	2.6	50 30	30	30	30	30	30
Ethyl methacrylate	0.1 -3.6	6.0	-3.2	-0.5	1.8	-0.7	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-0.3 -2.4	4.0	-2.2	0.0	0.1	0.7	50 30	30	30	30	30	30
Tetrachloroethene	-5.9 -1.8	9.6	-3.8	0.5	0.9	0.5	50 30	30	30	30	30	30
1,3-Dichloropropane	-11.0 2.1	4.7	-1.9	1.4	2.2	2.6	50 30	30	30	30	30	30
2-Hexanone	6.8 -1.1	5.6	9.5	-29.9	5.5	3.6	50 30	30	30	30	30	30
Dibromochloromethane	-15.6 7.2	3.5	-4.3	-0.5	3.7	6.1	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-0.7 -0.9	3.4	-4.3	-0.2	2.1	0.6	50 30	30	30	30	30	30
Chlorobenzene	-2.7 -1.0	5.6	-2.7	0.8	-0.2	0.2	50 30	30	30	30	30	30
1-Chlorohexane	-1.6 -4.1	8.3	-1.5	1.4	0.3	-2.8	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-9.1 0.2	3.4	-2.7	1.9	3.1	3.3	50 30	30	30	30	30	30
Ethylbenzene	-1.9 -3.0	7.2	-2.1	0.6	0.0	-0.7	50 30	30	30	30	30	30
m&p-Xylene	-1.3 -3.2	5.4	-2.2	1.5	0.5	-0.8	50 30	30	30	30	30	30
o-Xylene	-6.0 -3.8	6.8	-1.8	3.0	1.5	0.2	50 30	30	30	30	30	30
Styrene	-5.0 -1.2	5.0	-3.3	2.0	1.8	0.7	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.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

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
Bromoform	-7.5 8.3	-2.4	-7.1	-3.0	6.0	5.8	50 30	30	30	30	30	30
Isopropylbenzene	-5.8 -3.2	6.6	-2.1	1.5	2.5	0.5	50 30	30	30	30	30	30
Bromobenzene	-6.7 0.2	3.1	-2.8	1.4	3.4	1.4	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-1.4 -3.6	2.2	-0.5	-4.0	5.8	1.4	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-0.8 -3.7	0.3	-2.5	0.8	5.3	0.6	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-4.5 -3.5	3.7	-1.7	0.6	4.8	0.6	50 30	30	30	30	30	30
N-Propylbenzene	-7.7 -3.9	5.3	-0.8	2.4	2.8	1.9	50 30	30	30	30	30	30
2-Chlorotoluene	-12.4 -1.3	7.1	-0.3	2.3	2.8	1.7	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-7.3 -0.4	4.1	-4.1	0.5	4.9	2.4	50 30	30	30	30	30	30
4-Chlorotoluene	-14.9 0.8	4.4	0.9	3.5	2.5	2.8	50 30	30	30	30	30	30
tert-Butylbenzene	-14.4 3.9	1.3	-4.6	0.5	7.5	5.9	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-9.2 -0.6	4.0	-2.3	2.2	3.9	2.0	50 30	30	30	30	30	30
sec-Butylbenzene	-12.2 -0.4	1.5	-1.1	2.2	5.9	4.1	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-5.1 -1.9	7.1	-4.0	1.0	1.6	1.3	50 30	30	30	30	30	30
p-Isopropyltoluene	-11.8 -1.1	3.8	-0.9	2.2	5.1	2.7	50 30	30	30	30	30	30
1,4-Dichlorobenzene	-1.0 -2.1	1.8	-2.3	0.9	1.5	1.1	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-7.8 -1.5	4.6	-1.7	0.7	3.1	2.5	50 30	30	30	30	30	30
Benzyl chloride	-2.2 -4.8	5.5	-0.9	0.2	3.4	-1.1	50 30	30	30	30	30	30
1,3-Diethylbenzene	-13.0 -1.4	2.6	-0.5	2.4	6.1	3.7	50 30	30	30	30	30	30
1,4-Diethylbenzene	-11.4 -2.7	3.9	-0.3	2.4	5.6	2.6	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.: 410-190648-1 Analy Batch No.: 522257

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2024 18:19 Calibration End Date: 06/27/2024 21:13 Calibration ID: 63270

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
n-Butylbenzene	-13.6 -1.4	5.4	-0.5	2.2	6.4	1.6	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-9.1 -2.0	6.4	-2.5	1.7	3.4	2.2	50 30	30	30	30	30	30
1,2-Diethylbenzene	-12.3 0.2	0.9	-0.8	2.5	5.8	3.7	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-7.7 -2.4	-1.4	-0.3	-0.9	9.0	3.8	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-10.2 -5.5	6.0	0.2	3.6	4.9	1.1	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-5.8 -8.1	5.4	-0.2	1.9	4.7	2.2	50 30	30	30	30	30	30
Hexachlorobutadiene	-12.1 -5.5	2.5	-2.4	5.5	8.4	3.6	50 30	30	30	30	30	30
Naphthalene	-0.4 -9.4	3.4	-1.1	1.8	5.3	0.3	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-3.2 -8.8	5.4	-0.3	3.2	3.6	0.2	50 30	30	30	30	30	30
2-Methylnaphthalene	-2.5 -13.4	1.4	-1.3	4.0	8.7	3.2	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.1 -2.0	2.3	0.6	0.3	0.3	-1.4	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	0.4 -1.9	0.9	1.8	1.5	-1.7	-1.0	50 30	30	30	30	30	30
Toluene-d8 (Surr)	1.9 -2.1	1.0	-0.3	0.1	0.1	-0.7	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	2.8 -1.6	-1.0	-0.4	-0.4	0.1	0.4	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 27-Jun-2024 18:19:34 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC v1
Misc. Info.: 410-0117886-004
Operator ID: MEC29284 Instrument ID: 15830
Sublist: chrom-MSVoa_15830_PT2*sub10

Method: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 27-Jun-2024 22:58:09 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1609

First Level Reviewer: K4WN Date: 27-Jun-2024 21:59:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.015	1.014	0.001	35	2813	1.00	0.8361	
2 Chloromethane	50	1.130	1.124	0.006	94	3510	1.00	0.9866	
3 Vinyl chloride	62	1.185	1.185	0.000	83	2837	1.00	0.8721	
4 Butadiene	39	1.182	1.185	-0.003	82	3170	1.00	0.8464	M
5 Bromomethane	94	1.362	1.365	-0.003	86	2088	1.00	0.8916	
6 Chloroethane	64	1.404	1.397	0.007	32	1747	1.00	0.9005	
16 Dichlorofluoromethane	67	1.558	1.551	0.007	96	5263	1.00	1.00	
8 Pentane	43	1.558	1.558	0.000	68	2818	1.00	0.7689	M
7 Trichlorofluoromethane	101	1.571	1.583	-0.012	36	2530	1.00	0.6411	
22 1,2-Dichloro-1,1,2-trifluoroetha	67	1.764	1.773	-0.009	1	2565	1.00	0.9217	
9 Acrolein	56	1.802	1.786	0.016	40	3588	10.0	6.13	
10 1,1-Dichloroethene	96	1.851	1.850	0.001	37	1725	1.00	0.8397	
11 Acetone	58	1.889	1.882	0.007	0	273	2.00	0.5605	M
12 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.899	1.908	-0.009	1	1818	1.00	0.7668	M
13 Iodomethane	142	1.970	1.966	0.004	93	3828	1.00	0.9428	
15 Isopropyl alcohol	45	2.002	1.985	0.017	31	479	5.00	1.17	M
14 Carbon disulfide	76	2.021	2.018	0.003	97	6344	1.00	0.9735	M
17 3-Chloro-1-propene	41	2.124	2.117	0.007	91	5074	1.00	1.36	
18 Methyl acetate	43	2.140	2.117	0.023	48	2791	1.00	0.9213	M
19 Methylene Chloride	84	2.236	2.227	0.009	35	2656	1.00	1.12	
* 20 t-Butyl alcohol-d10 (IS)	65	2.249	2.249	0.000	93	243960	250.0	250.0	
21 2-Methyl-2-propanol	59	2.378	2.323	0.055	26	4348	5.00	4.68	
23 Acrylonitrile	53	2.413	2.407	0.006	46	3982	2.50	2.50	
24 trans-1,2-Dichloroethene	96	2.426	2.432	-0.006	90	2200	1.00	1.00	
25 Methyl tert-butyl ether	73	2.426	2.436	-0.010	52	6150	1.00	0.9716	M
26 Hexane	57	2.658	2.651	0.007	90	2905	1.00	1.03	M
27 1,1-Dichloroethane	63	2.773	2.773	0.000	90	3594	1.00	0.9621	
28 Isopropyl ether	45	2.831	2.815	0.016	94	6371	1.00	1.01	
29 2-Chloro-1,3-butadiene	53	2.828	2.828	0.000	89	3334	1.00	1.00	
30 Tert-butyl ethyl ether	59	3.105	3.101	0.004	92	5948	1.00	0.9538	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Butanone (MEK)	43	3.243	3.230	0.013	48	5786	2.00	2.74	M
31 cis-1,2-Dichloroethene	96	3.227	3.230	-0.003	79	2162	1.00	0.9171	
33 2,2-Dichloropropane	77	3.259	3.252	0.007	41	3433	1.00	0.99	M
34 Propionitrile	54	3.288	3.275	0.013	32	3496	5.00	4.54	M
35 Methacrylonitrile	67	3.394	3.394	0.000	90	3506	2.50	2.49	
36 Chlorobromomethane	128	3.413	3.413	0.000	83	859	1.00	0.7762	
37 Tetrahydrofuran	71	3.423	3.426	-0.003	80	3414	5.00	4.81	
39 Chloroform	83	3.506	3.506	0.000	88	4644	1.00	1.21	
$ 41 Dibromofluoromethane (Surr)	113	3.632	3.632	0.000	92	107942	50.0	49.9	
40 1,1,1-Trichloroethane	97	3.635	3.635	0.000	36	3434	1.00	0.9816	
42 Cyclohexane	56	3.693	3.689	0.004	39	4233	1.00	1.01	M
43 Carbon tetrachloride	117	3.754	3.754	0.000	83	2540	1.00	0.8576	M
44 1,1-Dichloropropene	75	3.757	3.754	0.003	79	2374	1.00	0.8370	
45 Isobutyl alcohol	41	3.899	3.895	0.004	31	4650	12.5	17.1	M
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.899	3.895	0.004	57	27843	50.0	50.2	
47 Benzene	78	3.908	3.908	0.000	89	8063	1.00	0.9520	
48 1,2-Dichloroethane	62	3.963	3.960	0.003	91	2401	1.00	0.9133	
49 Tert-amyl methyl ether	73	4.040	4.037	0.003	95	5868	1.00	0.9639	
* 50 Fluorobenzene (IS)	96	4.159	4.159	0.000	99	431157	50.0	50.0	
51 n-Heptane	43	4.178	4.175	0.003	38	2977	1.00	1.24	
52 n-Butanol	56	4.423	4.416	0.007	54	2456	12.5	12.5	
53 Trichloroethene	95	4.452	4.455	-0.003	96	2133	1.00	0.9442	
54 Methylcyclohexane	83	4.641	4.648	-0.007	87	3750	1.00	0.9329	
55 1,2-Dichloropropane	63	4.670	4.667	0.003	59	1627	1.00	0.8316	
56 2-ethoxy-2-methyl butane	87	4.690	4.689	0.001	92	2977	1.00	0.9086	
58 1,4-Dioxane	88		4.722				ND	ND	
57 Dibromomethane	93	4.741	4.734	0.007	82	1133	1.00	0.8636	
59 Methyl methacrylate	69	4.741	4.741	0.000	88	1968	1.00	1.03	
60 Dichlorobromomethane	83	4.895	4.895	0.000	89	2249	1.00	0.9170	
61 2-Nitropropane	41	5.079	5.085	-0.006	99	5615	5.00	4.81	
62 2-Chloroethyl vinyl ether	63	5.153	5.152	0.001	75	1081	1.00	0.8117	
63 cis-1,3-Dichloropropene	75	5.265	5.268	-0.003	91	2748	1.00	0.8895	
64 4-Methyl-2-pentanone (MIBK)	43	5.407	5.410	-0.003	96	7735	2.00	6.62	
$ 65 Toluene-d8 (Surr)	98	5.484	5.484	0.000	93	397981	50.0	50.9	
66 Toluene	92	5.535	5.538	-0.003	98	4814	1.00	0.9712	
67 trans-1,3-Dichloropropene	75	5.741	5.741	0.000	85	2496	1.00	0.9507	
68 Ethyl methacrylate	69	5.802	5.799	0.003	86	2966	1.00	1.00	
69 1,1,2-Trichloroethane	97	5.883	5.886	-0.003	83	1648	1.00	1.00	
70 Tetrachloroethene	166	5.928	5.931	-0.003	90	2078	1.00	0.9407	
71 1,3-Dichloropropane	76	5.998	5.998	0.000	91	2390	1.00	0.8900	
73 2-Hexanone	43	6.053	6.053	0.000	94	5541	2.00	2.14	
74 Chlorodibromomethane	129	6.143	6.146	-0.003	83	1513	1.00	0.8438	
S 72 1,2-Dichloroethene, Total	100				0			1.92	
75 Ethylene Dibromide	107	6.214	6.217	-0.003	96	1792	1.00	0.99	
* 76 Chlorobenzene-d5 (IS)	117	6.532	6.532	0.000	85	294447	50.0	50.0	
77 Chlorobenzene	112	6.548	6.551	-0.003	96	5344	1.00	0.9734	
78 1-Chlorohexane	91	6.555	6.558	-0.003	94	2652	1.00	0.9839	
79 1,1,1,2-Tetrachloroethane	131	6.616	6.615	0.001	44	1837	1.00	0.9086	
80 Ethylbenzene	91	6.622	6.622	0.000	97	9542	1.00	0.9805	
81 m-Xylene & p-Xylene	106	6.706	6.709	-0.003	97	7638	2.00	1.97	
82 o-Xylene	106	6.944	6.943	0.001	96	3741	1.00	0.9403	
83 Styrene	104	6.953	6.956	-0.003	93	5668	1.00	0.9499	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Bromoform	173	7.059	7.056	0.003	93	1285	1.00	0.9251	
85 Isopropylbenzene	105	7.165	7.165	0.000	95	9262	1.00	0.9420	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	90	147804	50.0	51.4	
87 Bromobenzene	156	7.336	7.339	-0.003	90	2224	1.00	0.9331	
88 1,1,2,2-Tetrachloroethane	83	7.352	7.352	0.000	92	3093	1.00	0.9855	
89 trans-1,4-Dichloro-2-butene	53	7.371	7.371	0.000	89	2382	2.50	2.48	
90 1,2,3-Trichloropropane	110	7.378	7.377	0.001	81	989	1.00	0.9550	
91 N-Propylbenzene	91	7.403	7.406	-0.003	98	10777	1.00	0.9227	
92 2-Chlorotoluene	126	7.452	7.451	0.001	96	2169	1.00	0.8762	
93 1,3,5-Trimethylbenzene	105	7.509	7.509	0.000	94	8169	1.00	0.9265	
94 4-Chlorotoluene	126	7.522	7.522	0.000	97	2003	1.00	0.8511	
95 tert-Butylbenzene	134	7.680	7.683	-0.003	91	1532	1.00	0.8562	
96 1,2,4-Trimethylbenzene	105	7.715	7.715	0.000	97	7996	1.00	0.9081	
97 sec-Butylbenzene	105	7.802	7.805	-0.003	94	9338	1.00	0.8783	
98 1,3-Dichlorobenzene	146	7.863	7.866	-0.003	96	4261	1.00	0.9494	
99 4-Isopropyltoluene	119	7.889	7.889	0.000	95	8270	1.00	0.8824	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	94	172995	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.918	7.921	-0.003	94	4460	1.00	0.99	
102 1,2,3-Trimethylbenzene	105	7.937	7.937	0.000	98	8367	1.00	0.9225	
103 Benzyl chloride	91	7.982	7.982	0.000	98	6122	1.00	0.9782	
104 1,3-Diethylbenzene	119	8.040	8.040	0.000	94	4585	1.00	0.8701	
105 p-Diethylbenzene	119	8.091	8.091	0.000	93	4848	1.00	0.8859	
106 n-Butylbenzene	92	8.104	8.104	0.000	97	3638	1.00	0.8638	
107 1,2-Dichlorobenzene	146	8.108	8.107	0.001	97	4158	1.00	0.9086	
108 o-diethylbenzene	119	8.143	8.143	0.000	94	3880	1.00	0.8766	
109 1,2-Dibromo-3-Chloropropane	75	8.516	8.516	0.000	83	1040	1.00	0.9228	
110 1,3,5-Trichlorobenzene	180	8.612	8.612	0.000	95	2812	1.00	0.8980	
111 1,2,4-Trichlorobenzene	180	8.927	8.930	-0.003	91	2996	1.00	0.9421	
112 Hexachlorobutadiene	225	9.001	9.001	0.000	87	1038	1.00	0.8792	
113 Naphthalene	128	9.059	9.059	0.000	96	13524	1.00	1.00	
114 1,2,3-Trichlorobenzene	180	9.172	9.168	0.004	95	3110	1.00	0.9681	
115 2-Methylnaphthalene	142	9.616	9.615	0.001	91	7264	1.00	0.9745	
S 137 1,3-Dichloropropene, Total	100				0			1.84	
S 138 Xylenes, Total	106				0			2.91	
S 139 Total Diethylbenzene	1				0			2.63	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_4ppb_Wkly_00003	Amount Added: 25.00	Units: mL	
MSV_Cent_ISSS_00027	Amount Added: 5.00	Units: uL	Run Reagent

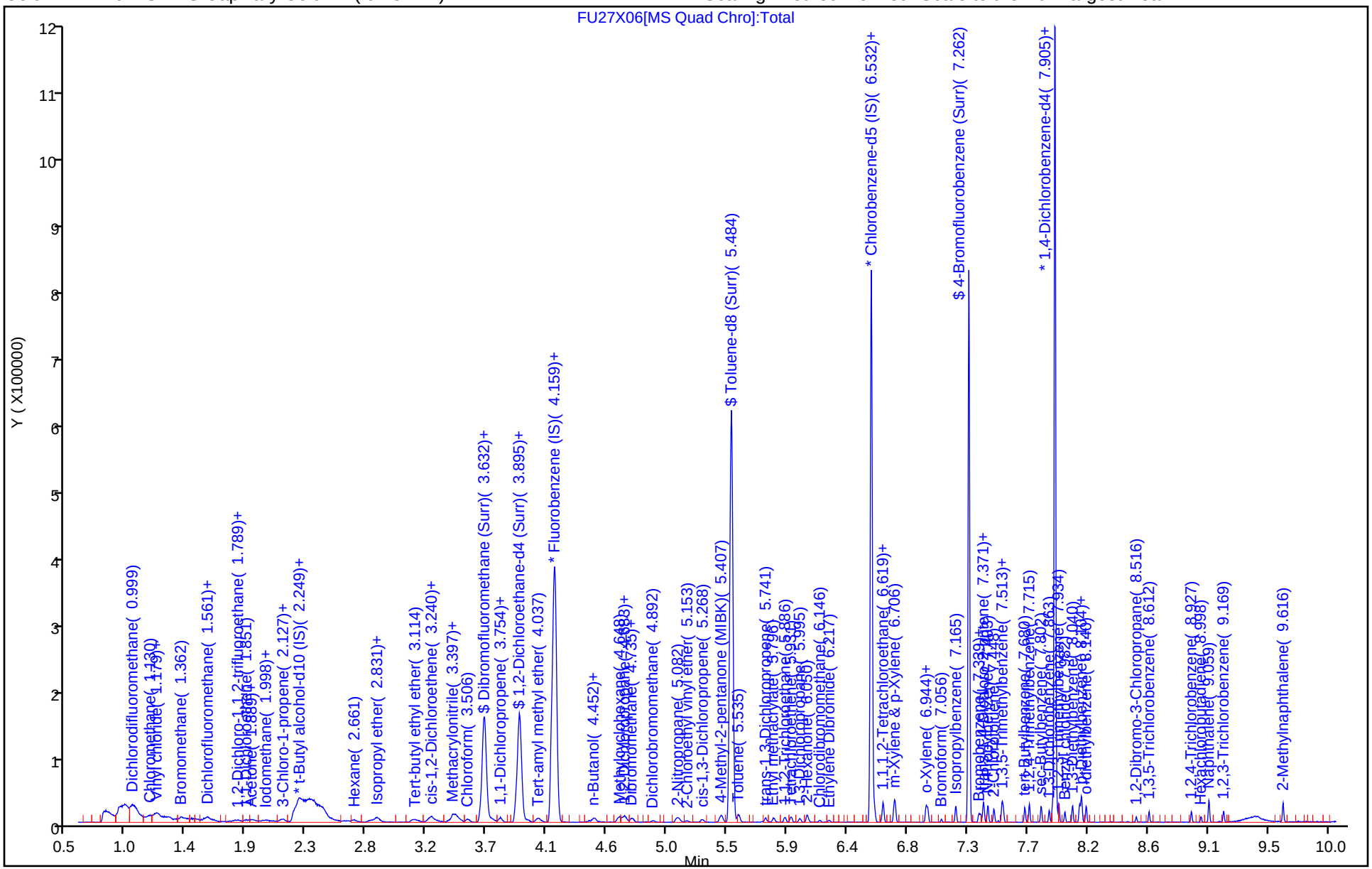
Report Date: 27-Jun-2024 22:58:10 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D

Injection Date:	27-Jun-2024 18:19:34	Instrument ID:	15830	Operator ID:	MEC29284
Lims ID:	IC v1			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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

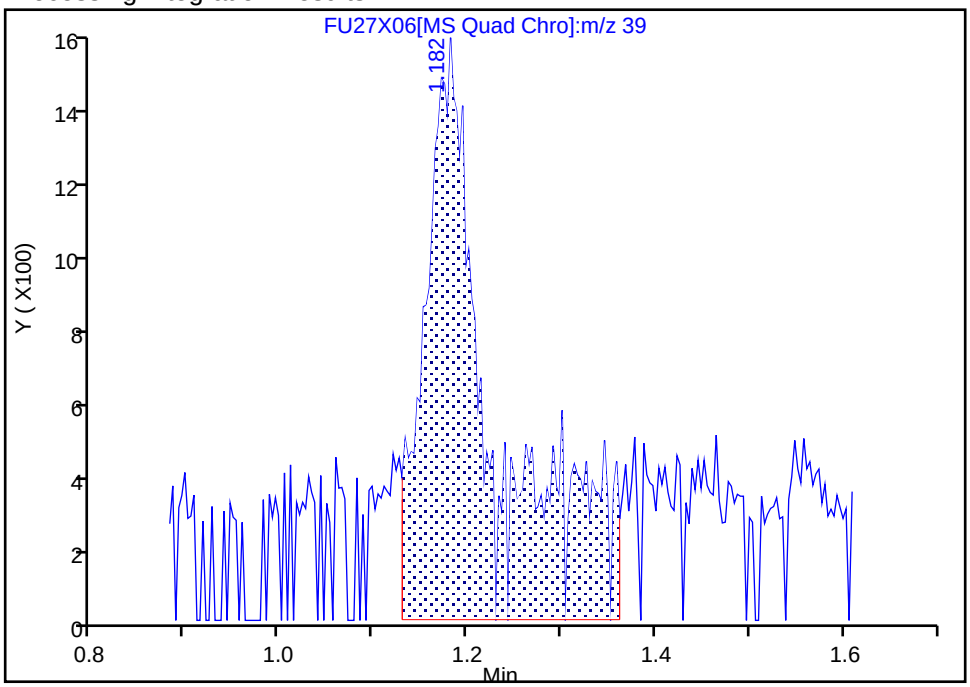
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D
Injection Date: 27-Jun-2024 18:19:34 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

4 Butadiene, CAS: 106-99-0

Signal: 1

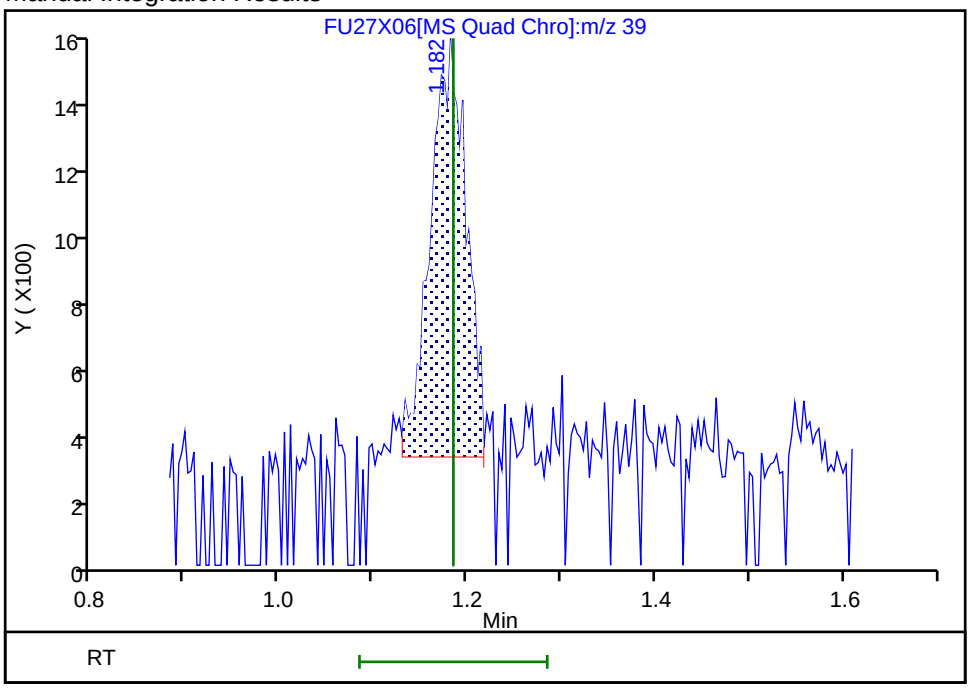
Processing Integration Results

RT: 1.18
Area: 7757
Amount: 1.009531
Amount Units: ug/l



Manual Integration Results

RT: 1.18
Area: 3170
Amount: 0.846386
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 21:56:44 -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

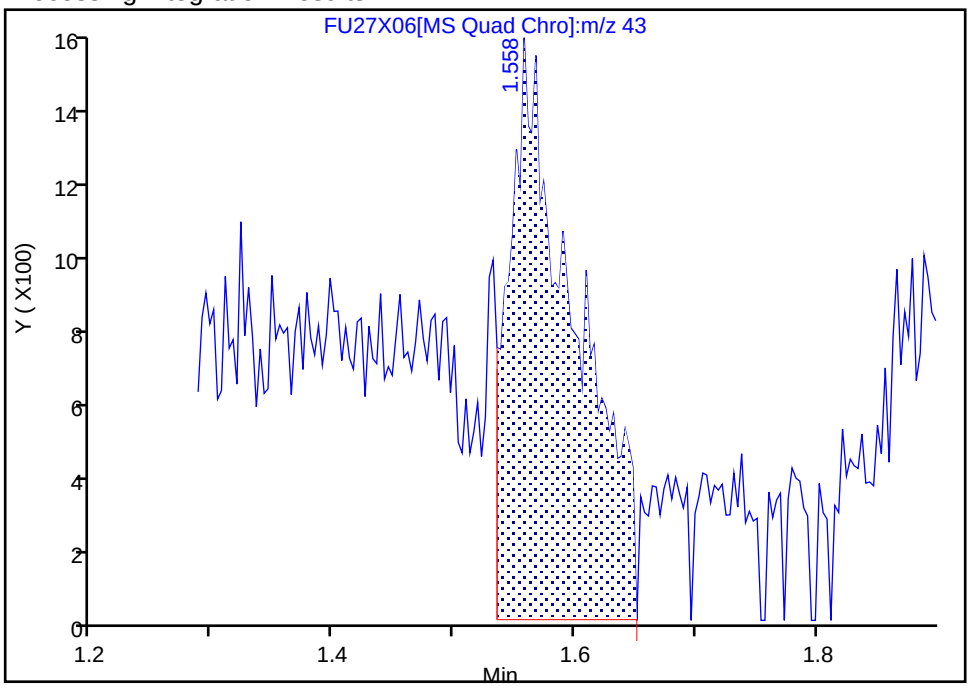
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D
Injection Date: 27-Jun-2024 18:19:34 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

8 Pentane, CAS: 109-66-0

Signal: 1

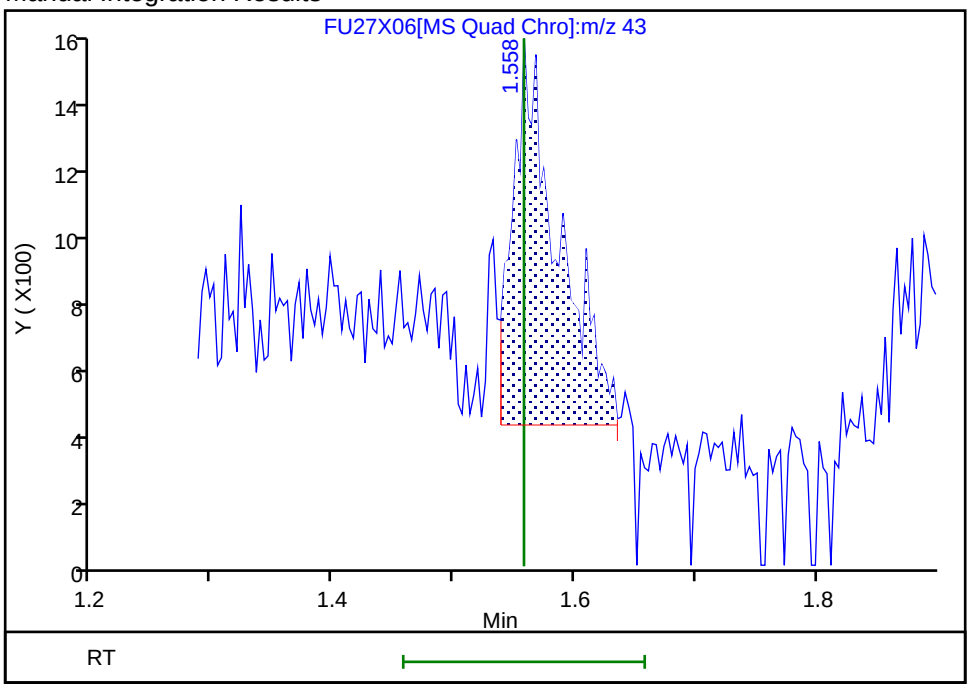
Processing Integration Results

RT: 1.56
Area: 5717
Amount: 1.396420
Amount Units: ug/l



Manual Integration Results

RT: 1.56
Area: 2818
Amount: 0.768921
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 21:56:59 -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

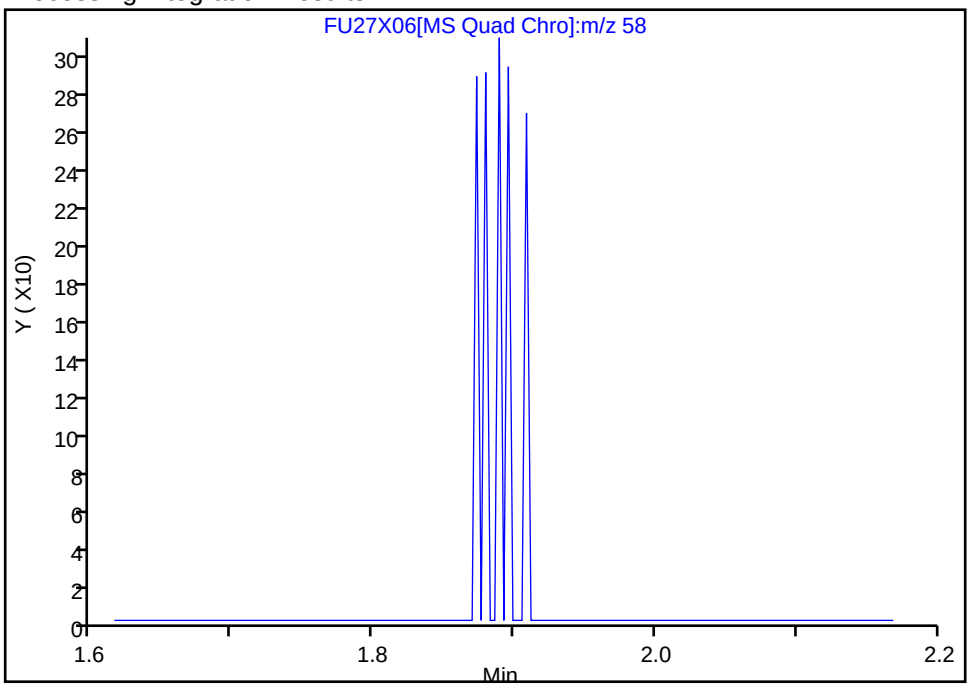
Data File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D				
Injection Date:	27-Jun-2024 18:19:34	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

11 Acetone, CAS: 67-64-1

Signal: 1

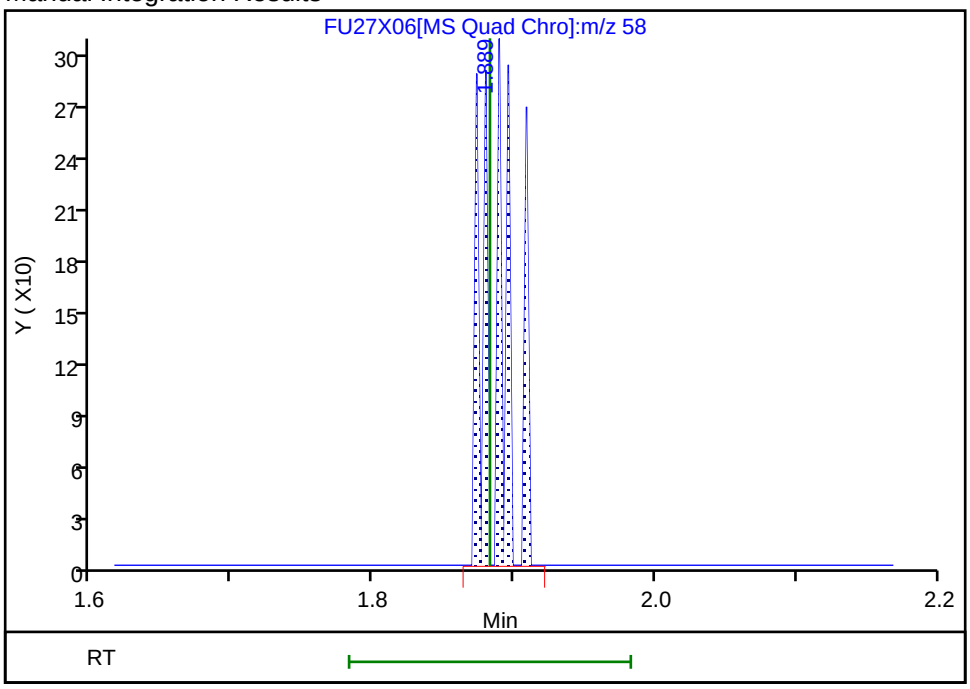
Not Detected
Expected RT: 1.88

Processing Integration Results



Manual Integration Results

RT: 1.89
Area: 273
Amount: 0.560521
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 21:57:09 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

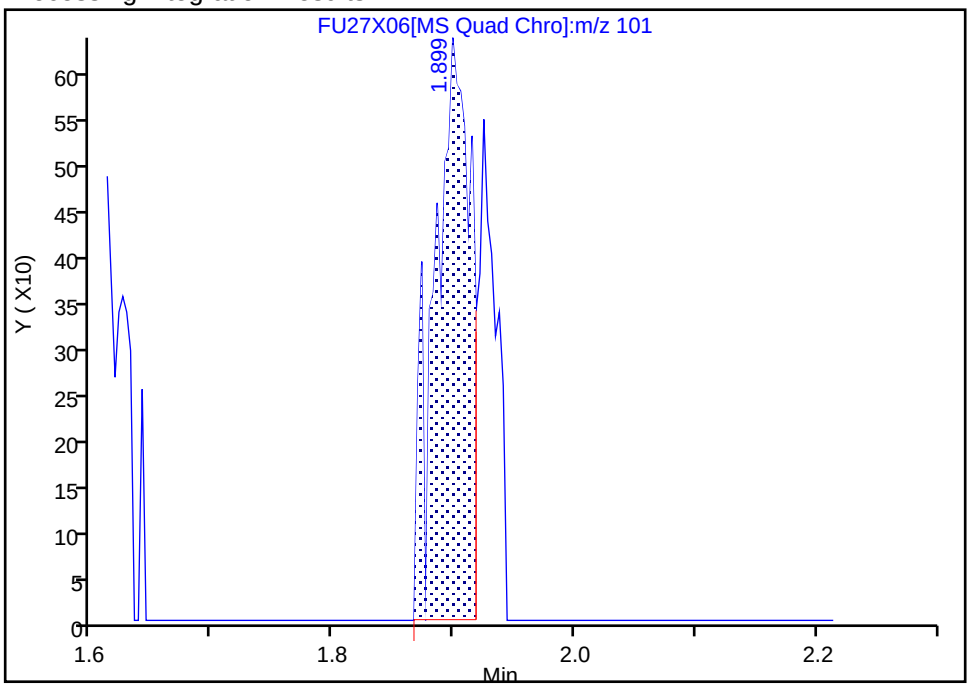
Data File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D				
Injection Date:	27-Jun-2024 18:19:34	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

12 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

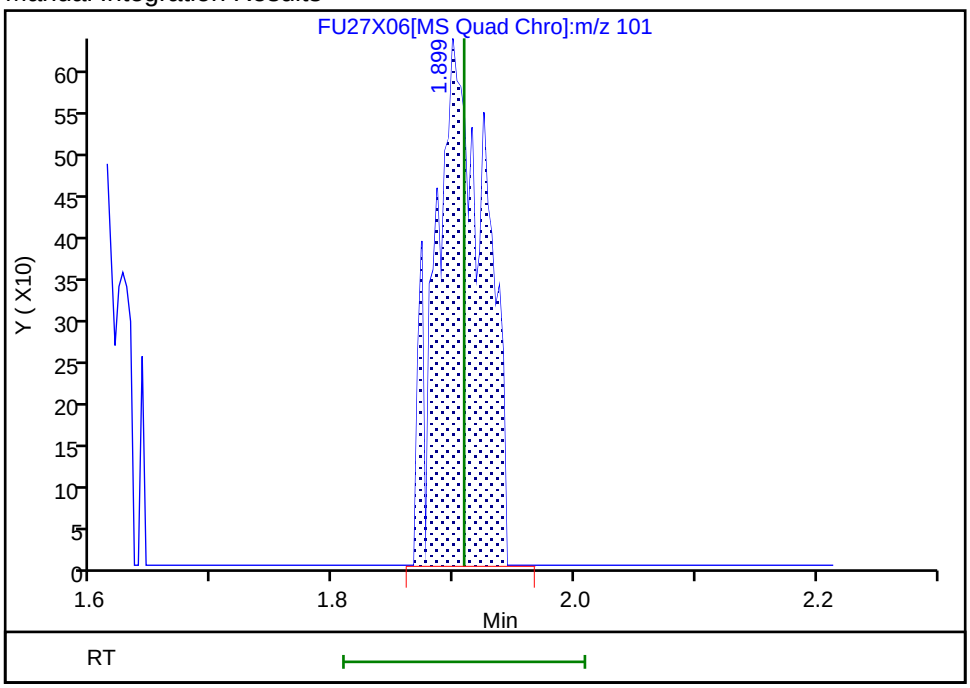
Processing Integration Results

RT: 1.90
Area: 1304
Amount: 0.567571
Amount Units: ug/l



Manual Integration Results

RT: 1.90
Area: 1818
Amount: 0.766812
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 21:57:16 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

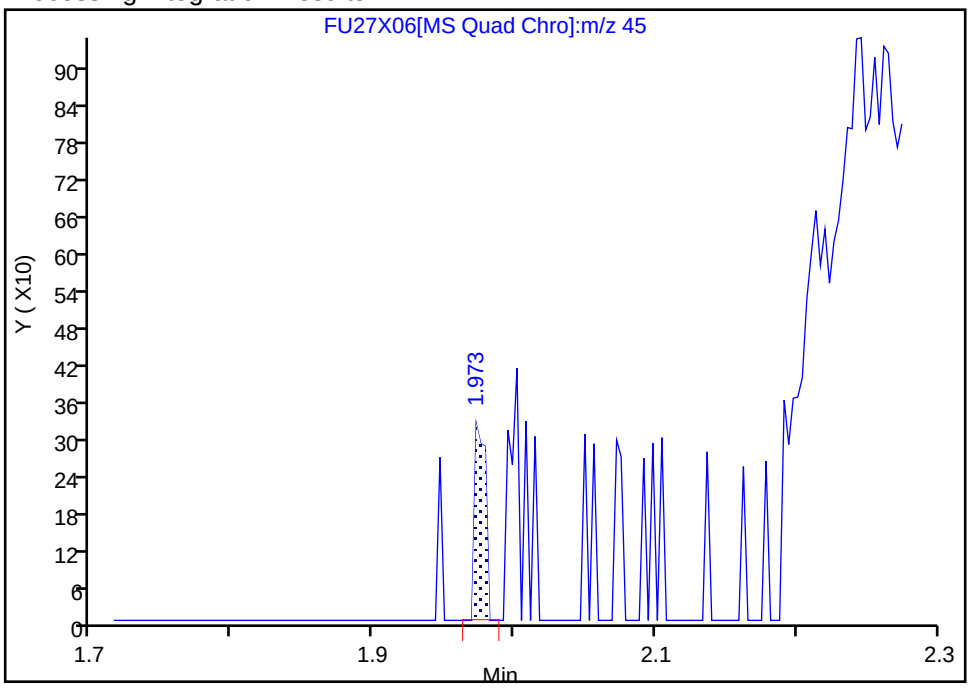
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D
Injection Date: 27-Jun-2024 18:19:34 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

15 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

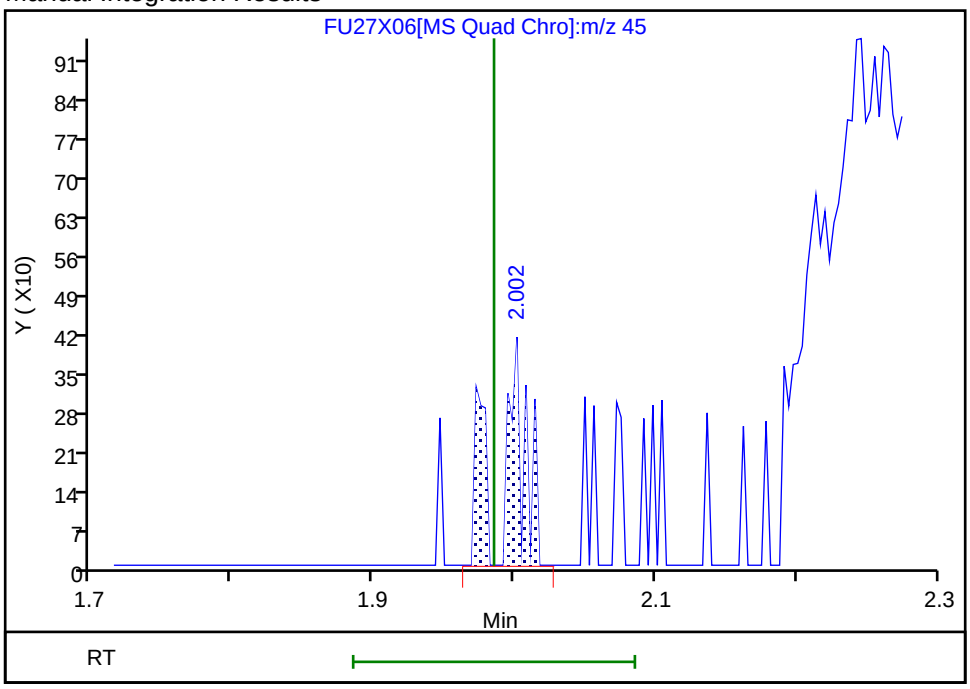
Processing Integration Results

RT: 1.97
Area: 172
Amount: 5.395421
Amount Units: ug/l



Manual Integration Results

RT: 2.00
Area: 479
Amount: 1.173754
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 21:57:21 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

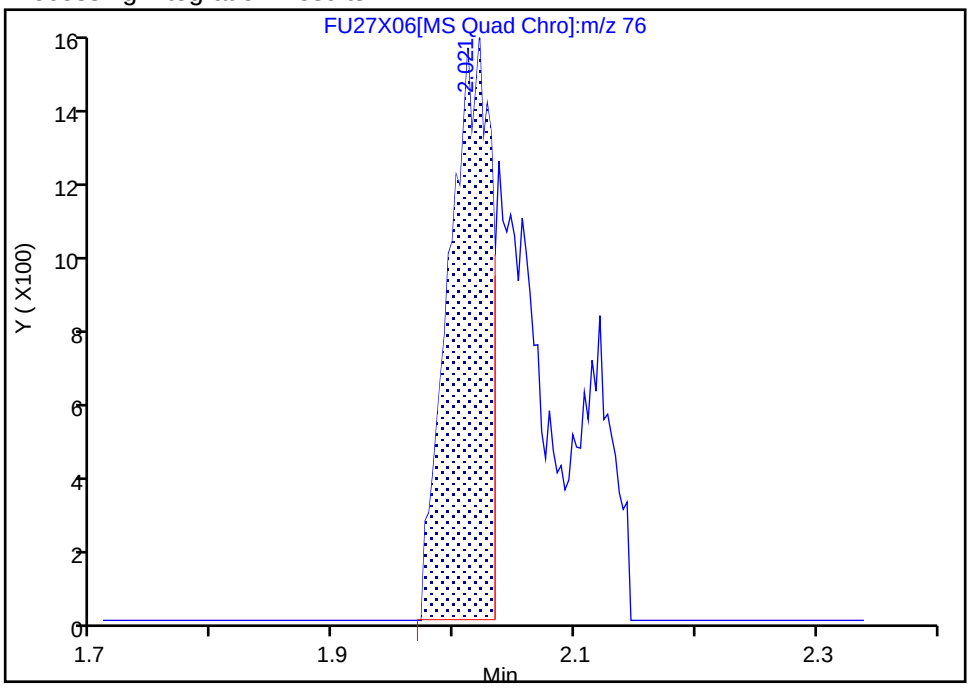
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D
Injection Date: 27-Jun-2024 18:19:34 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

14 Carbon disulfide, CAS: 75-15-0

Signal: 1

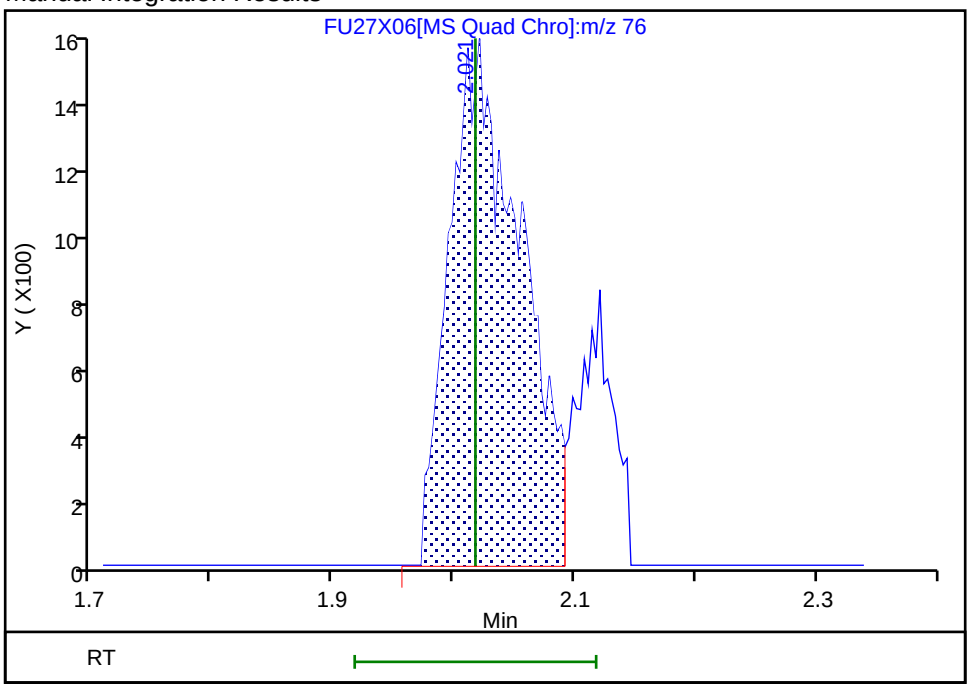
Processing Integration Results

RT: 2.02
Area: 3692
Amount: 0.570544
Amount Units: ug/l



Manual Integration Results

RT: 2.02
Area: 6344
Amount: 0.973549
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 21:57:33 -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

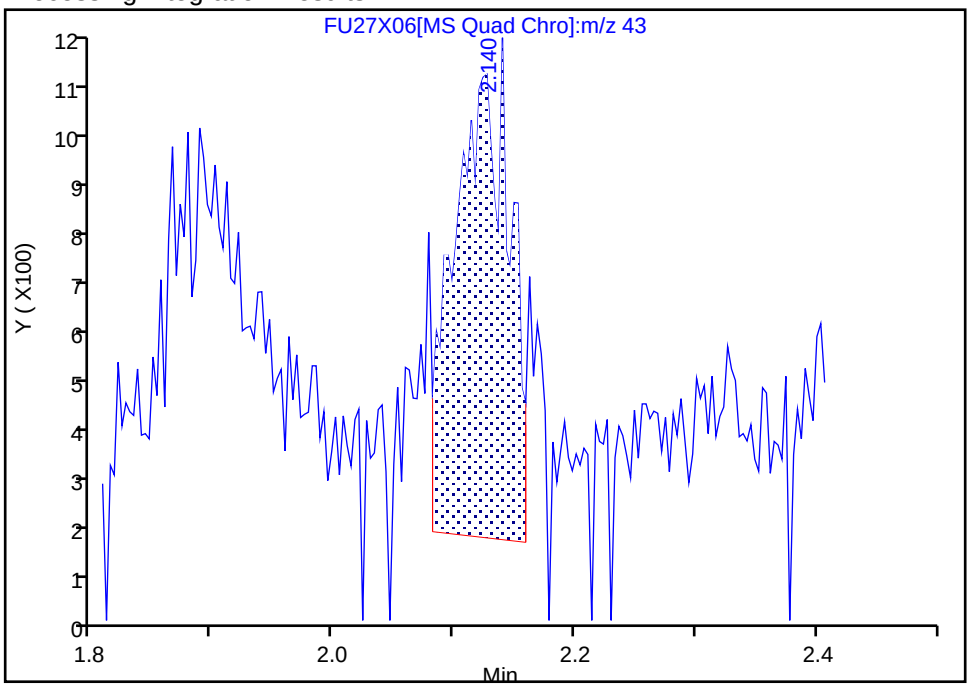
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D
Injection Date: 27-Jun-2024 18:19:34 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 Methyl acetate, CAS: 79-20-9

Signal: 1

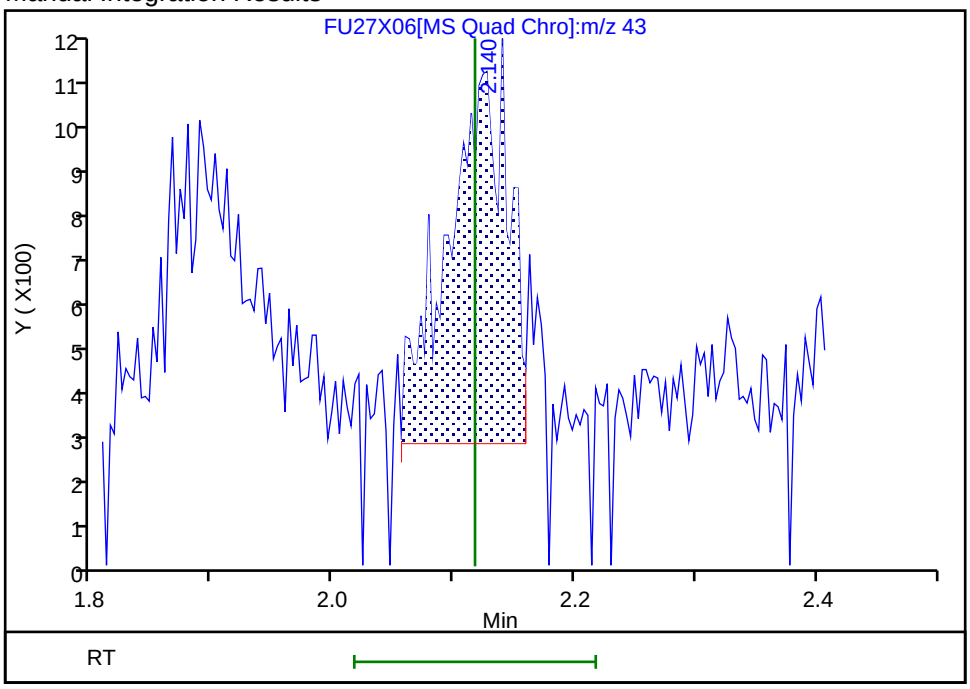
Processing Integration Results

RT: 2.14
Area: 2916
Amount: 0.965240
Amount Units: ug/l



Manual Integration Results

RT: 2.14
Area: 2791
Amount: 0.921294
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 21:57:53 -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

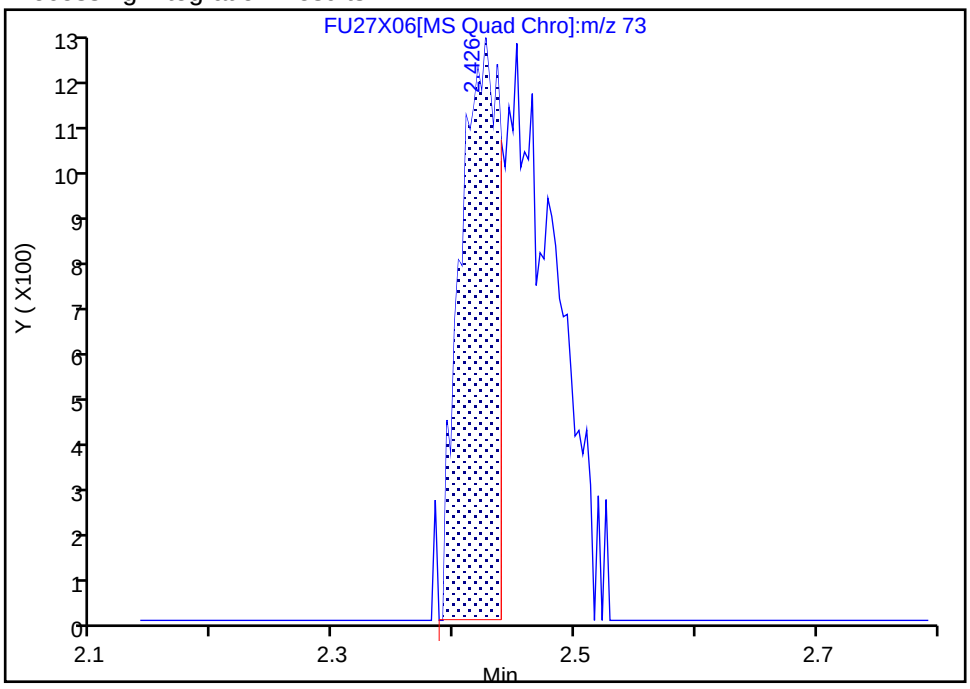
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D
Injection Date: 27-Jun-2024 18:19:34 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

25 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

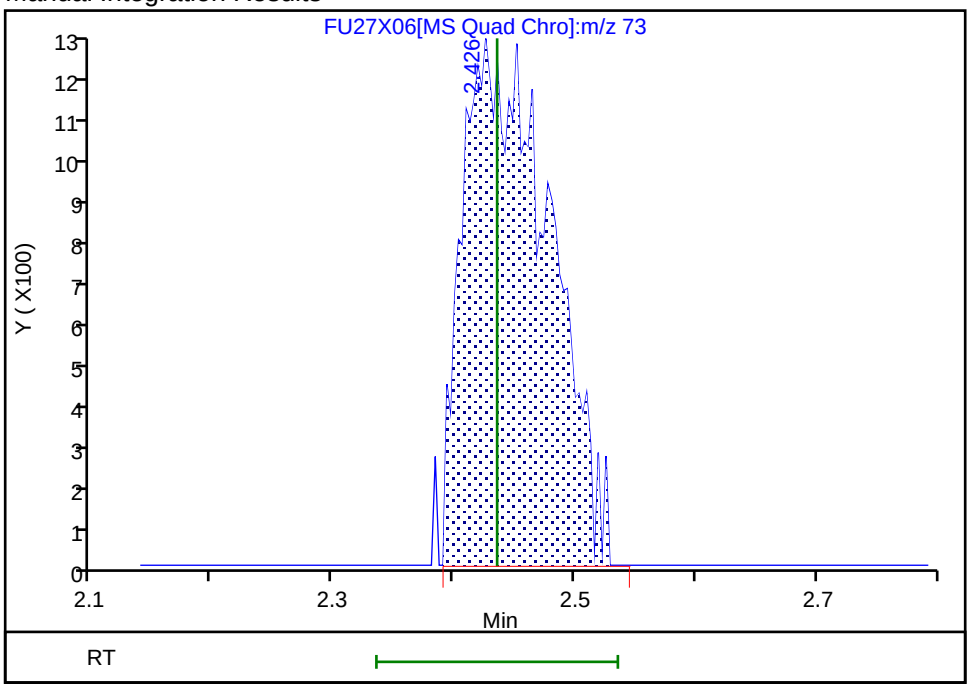
Processing Integration Results

RT: 2.43
Area: 2690
Amount: 0.956339
Amount Units: ug/l



Manual Integration Results

RT: 2.43
Area: 6150
Amount: 0.971606
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 21:58:16 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

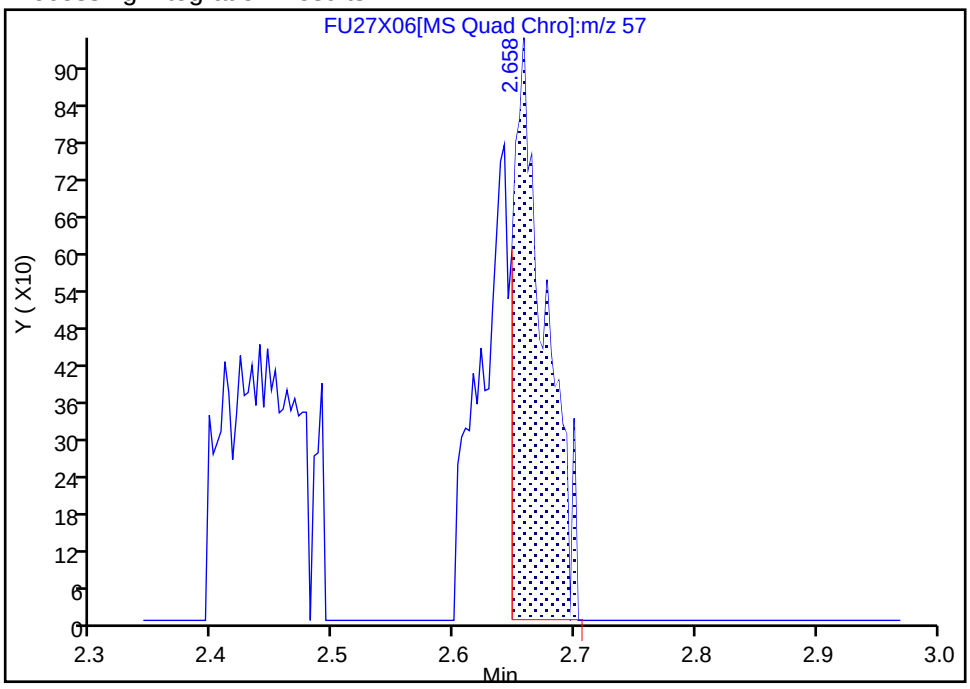
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D
Injection Date: 27-Jun-2024 18:19:34 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

26 Hexane, CAS: 110-54-3

Signal: 1

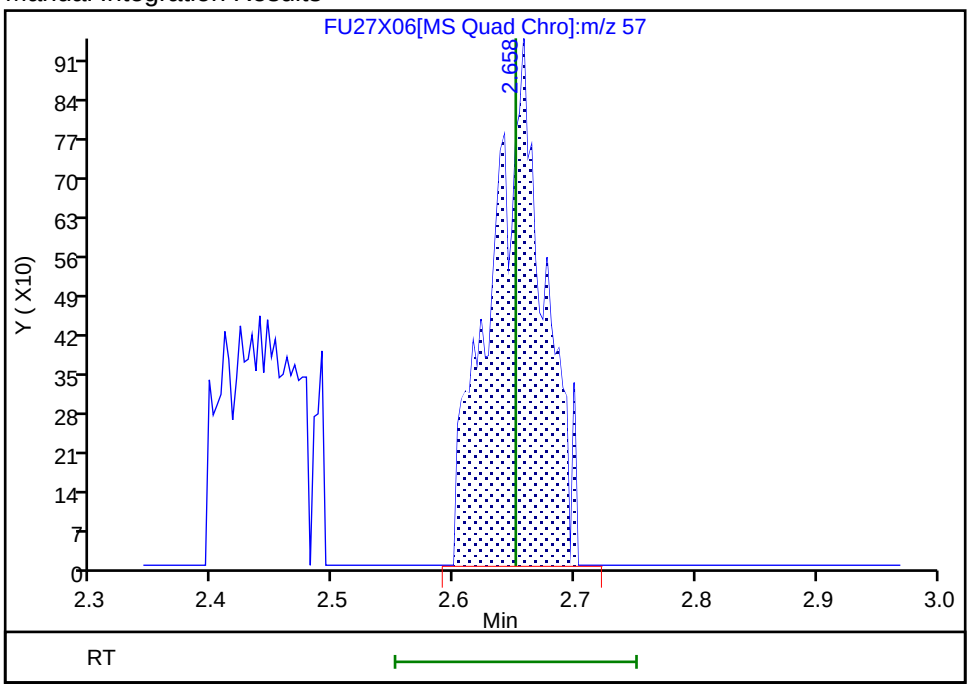
Processing Integration Results

RT: 2.66
Area: 1691
Amount: 0.641545
Amount Units: ug/l



Manual Integration Results

RT: 2.66
Area: 2905
Amount: 1.033845
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 21:58:24 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

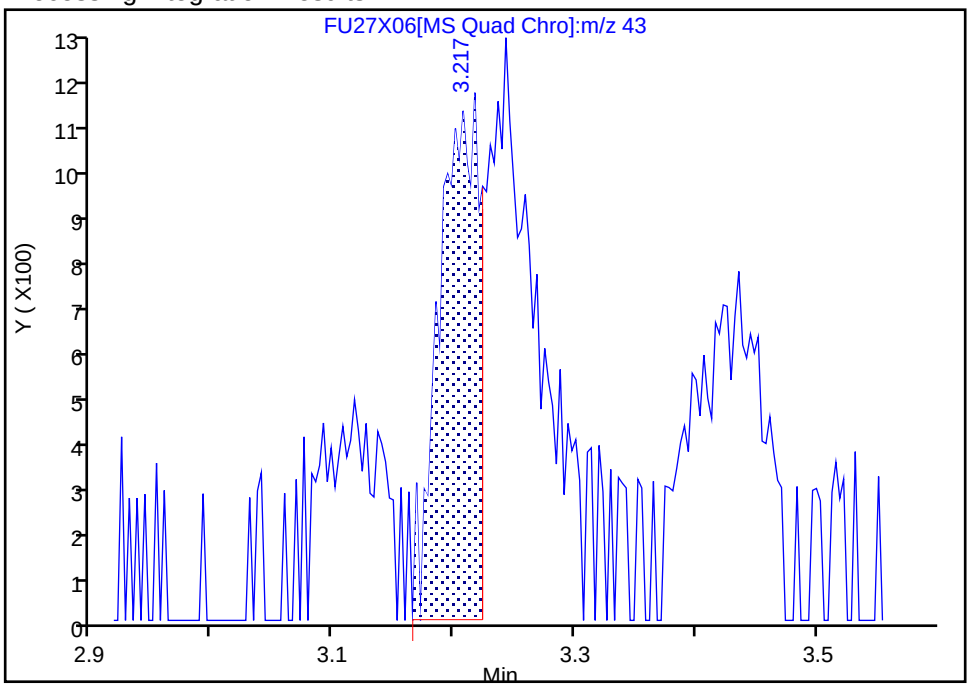
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D
Injection Date: 27-Jun-2024 18:19:34 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

32 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

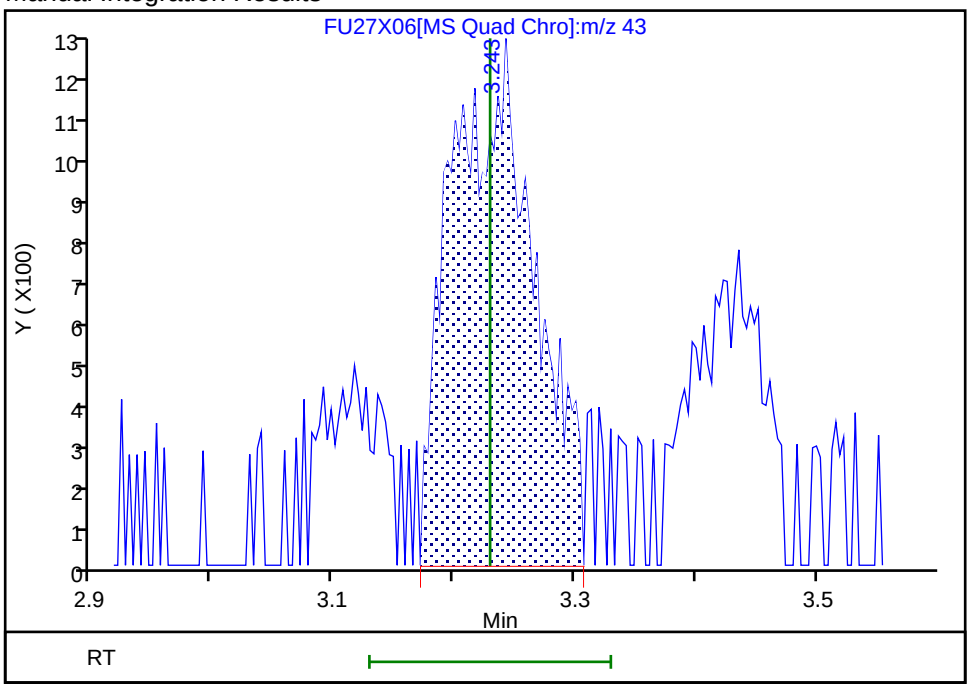
Processing Integration Results

RT: 3.22
Area: 2513
Amount: 1.858736
Amount Units: ug/l



Manual Integration Results

RT: 3.24
Area: 5786
Amount: 2.739963
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 21:58:36 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

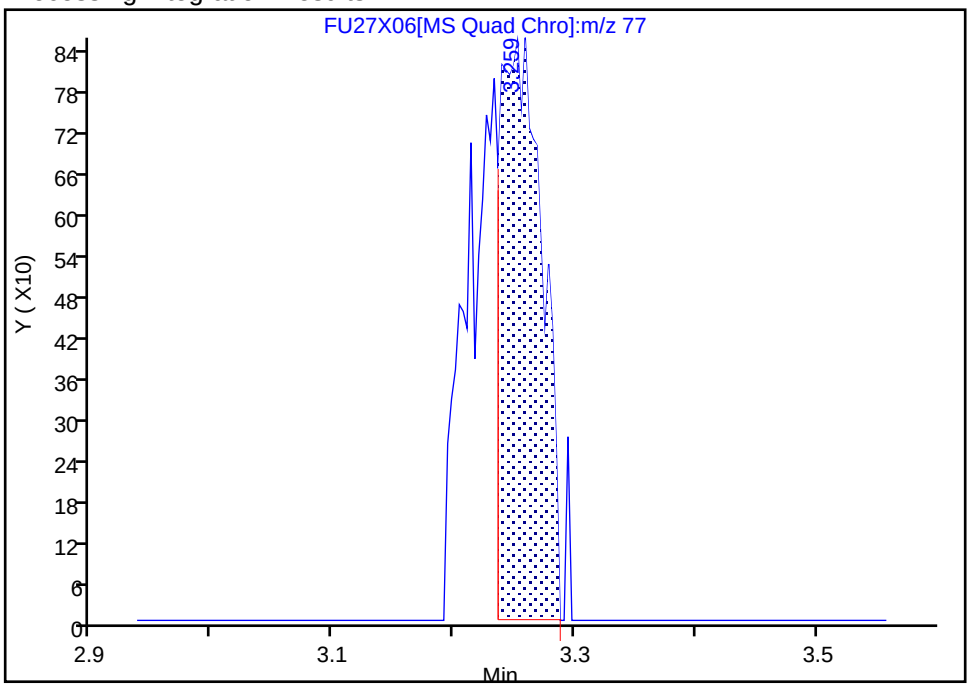
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D
Injection Date: 27-Jun-2024 18:19:34 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

33 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

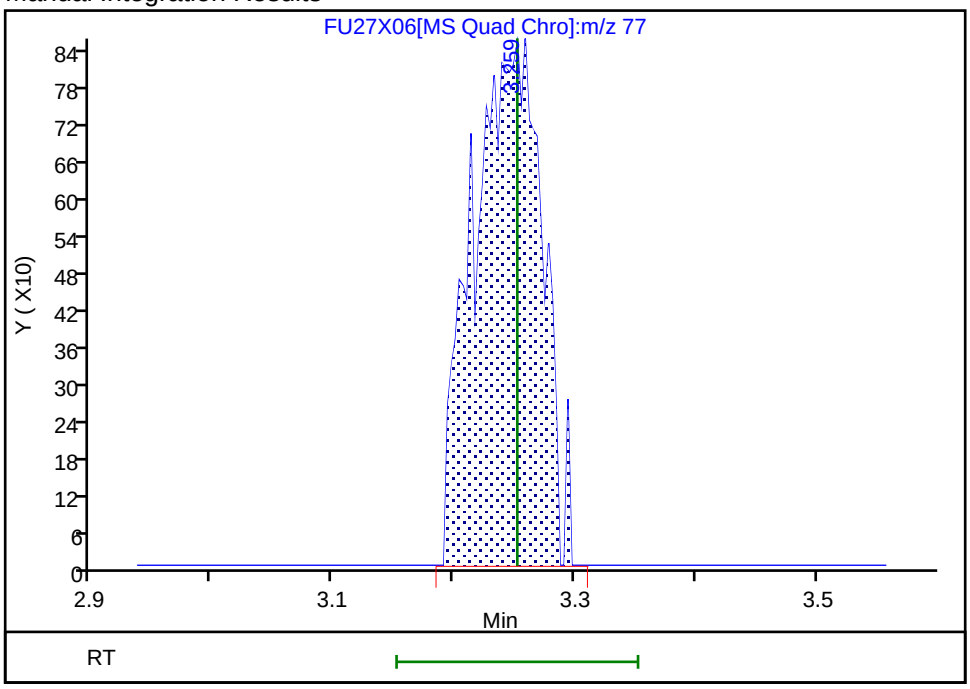
Processing Integration Results

RT: 3.26
Area: 2065
Amount: 0.632900
Amount Units: ug/l



Manual Integration Results

RT: 3.26
Area: 3433
Amount: 0.992751
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 21:58:42 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

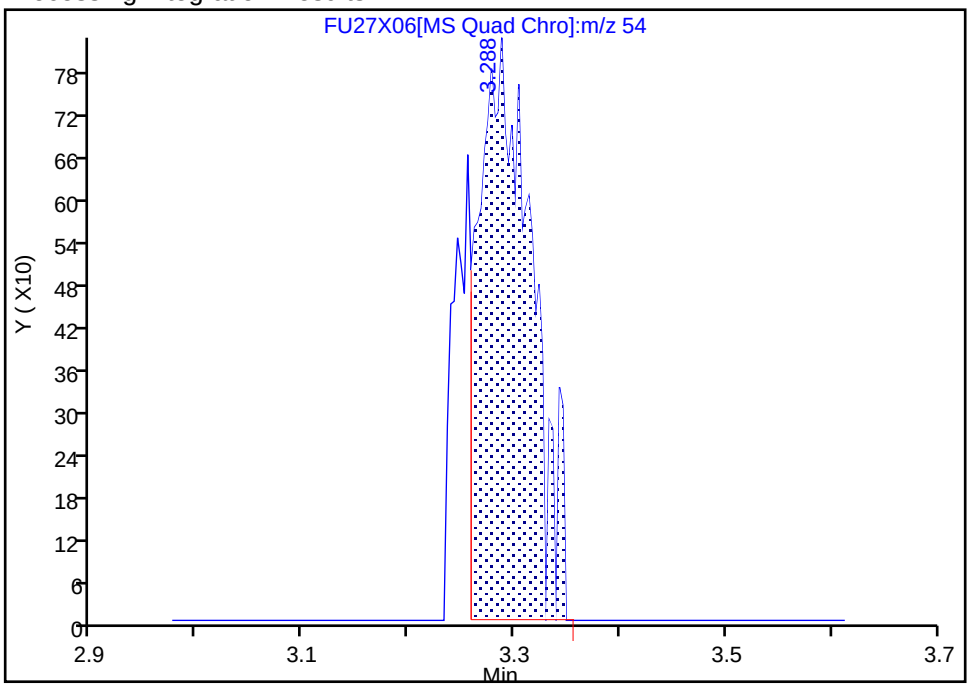
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D
Injection Date: 27-Jun-2024 18:19:34 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

34 Propionitrile, CAS: 107-12-0

Signal: 1

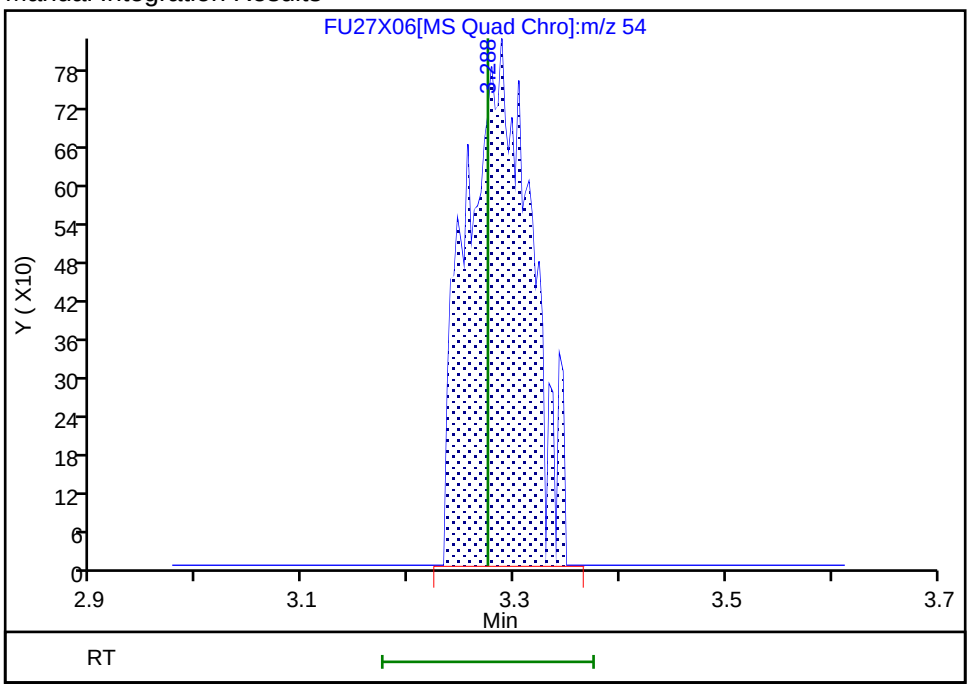
Processing Integration Results

RT: 3.29
Area: 2849
Amount: 3.834932
Amount Units: ug/l



Manual Integration Results

RT: 3.29
Area: 3496
Amount: 4.536664
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 21:58:45 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

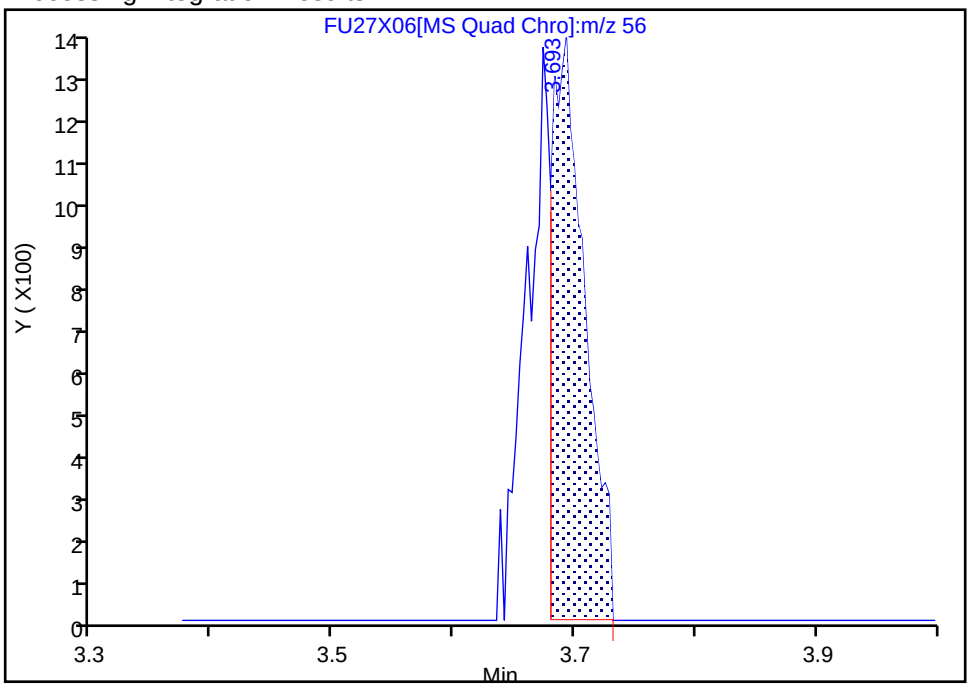
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D
Injection Date: 27-Jun-2024 18:19:34 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

42 Cyclohexane, CAS: 110-82-7

Signal: 1

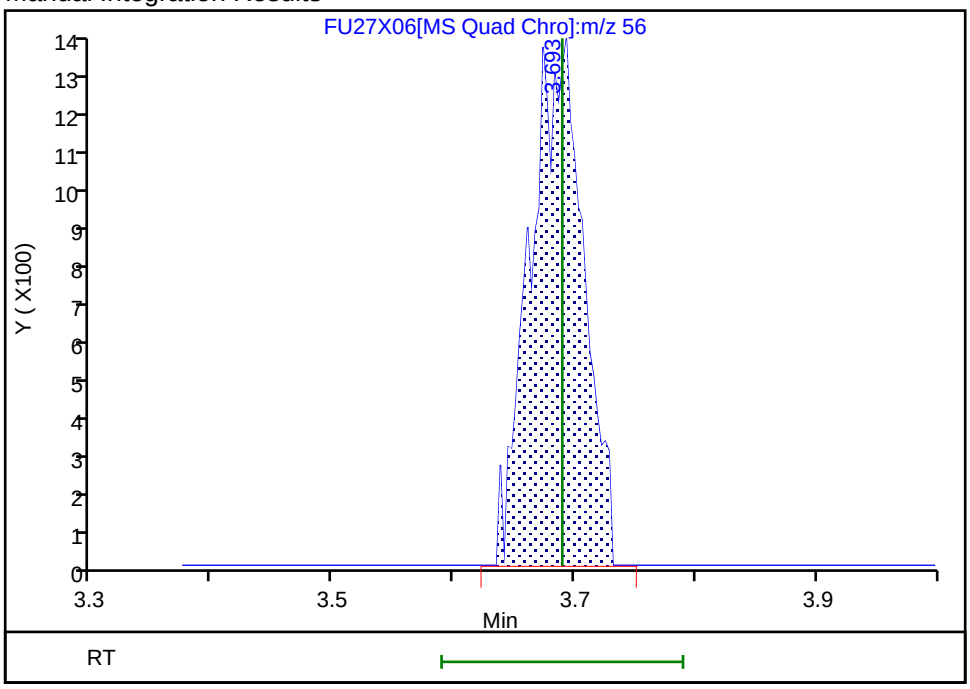
Processing Integration Results

RT: 3.69
Area: 2574
Amount: 0.648097
Amount Units: ug/l



Manual Integration Results

RT: 3.69
Area: 4233
Amount: 1.005646
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 21:58:52 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

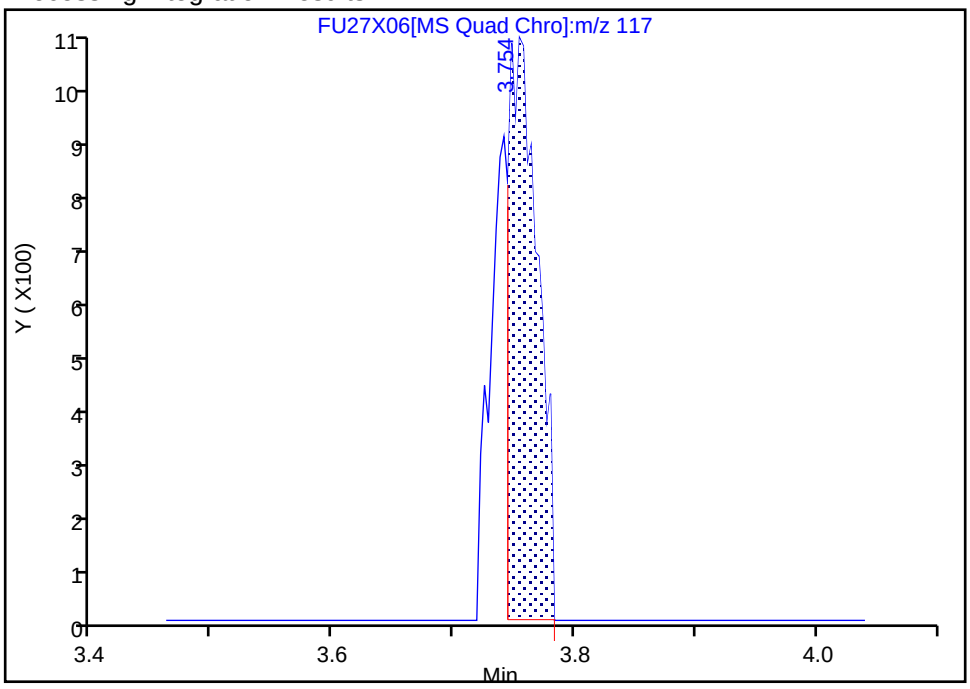
Data File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D				
Injection Date:	27-Jun-2024 18:19:34	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

43 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

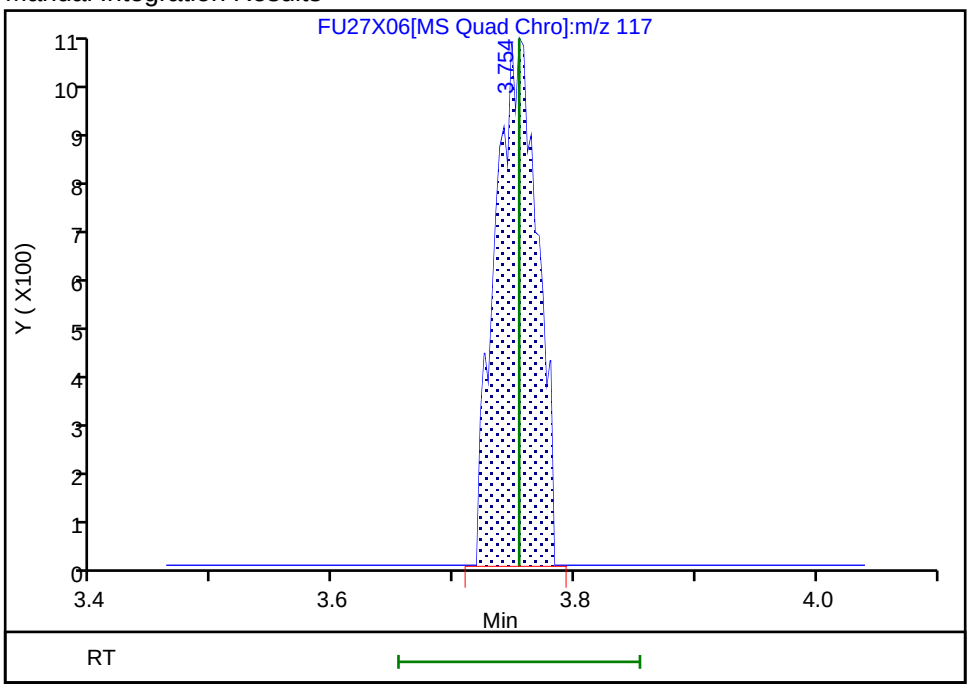
Processing Integration Results

RT: 3.75
Area: 1761
Amount: 0.617772
Amount Units: ug/l



Manual Integration Results

RT: 3.75
Area: 2540
Amount: 0.857602
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 21:58:55 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

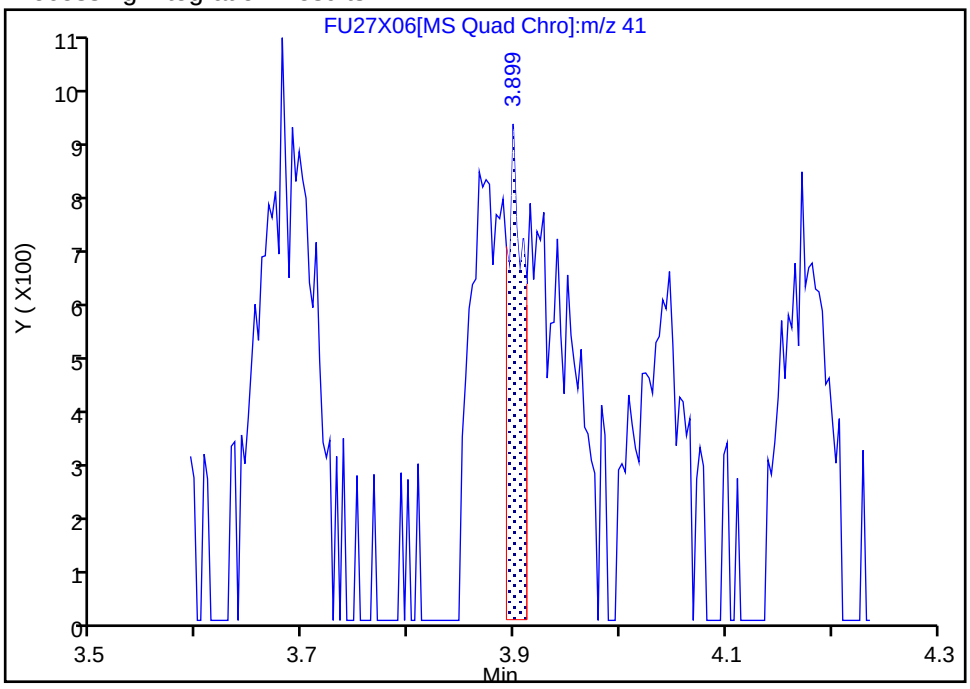
Data File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X06.D				
Injection Date:	27-Jun-2024 18:19:34	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

45 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

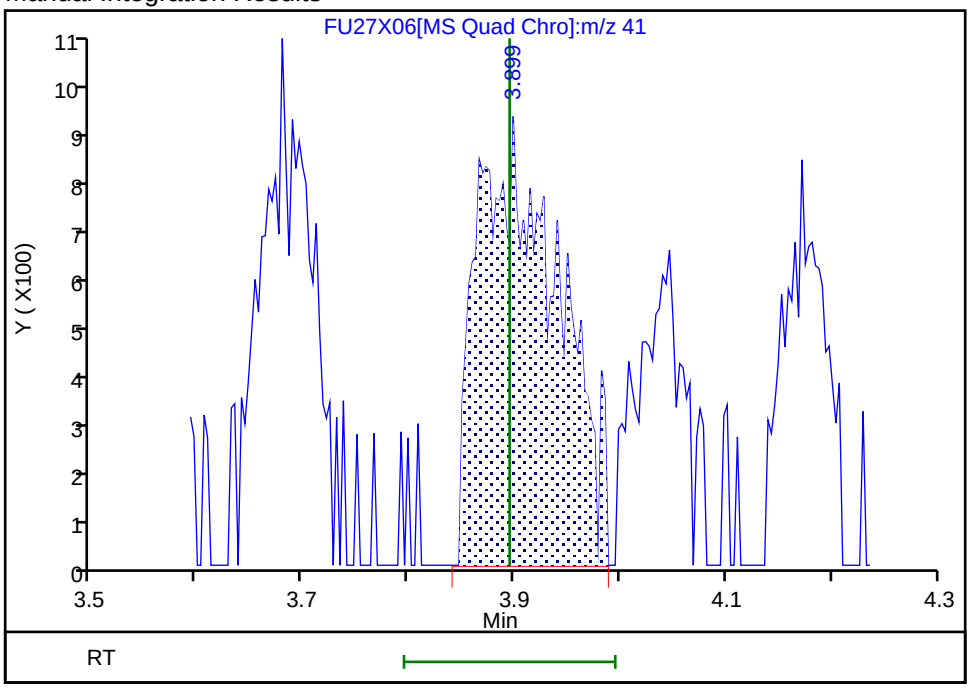
Processing Integration Results

RT: 3.90
Area: 918
Amount: 7.393751
Amount Units: ug/l



Manual Integration Results

RT: 3.90
Area: 4650
Amount: 17.137863
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 21:59:00 -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\15830\20240627-117886.b\FU27X08.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 27-Jun-2024 18:47:58 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC v4
Misc. Info.: 410-0117886-005
Operator ID: MEC29284 Instrument ID: 15830
Sublist: chrom-MSVoa_15830_PT2*sub10

Method: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 27-Jun-2024 22:58:16 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1609

First Level Reviewer: K4WN Date: 27-Jun-2024 22:03:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.018	1.014	0.004	98	13845	4.00	4.16	
2 Chloromethane	50	1.124	1.124	0.000	98	14354	4.00	4.08	
3 Vinyl chloride	62	1.191	1.185	0.006	83	12914	4.00	4.02	
4 Butadiene	39	1.188	1.185	0.003	91	17461	4.00	4.72	
5 Bromomethane	94	1.368	1.365	0.003	89	9378	4.00	4.05	
6 Chloroethane	64	1.400	1.397	0.003	97	7848	4.00	4.09	
16 Dichlorofluoromethane	67	1.561	1.551	0.010	99	21433	4.00	4.11	
8 Pentane	43	1.555	1.558	-0.003	67	17088	4.00	4.72	
7 Trichlorofluoromethane	101	1.587	1.583	0.004	32	16337	4.00	4.19	M
22 1,2-Dichloro-1,1,2-trifluoroetha	67	1.777	1.773	0.004	72	11628	4.00	4.23	
9 Acrolein	56	1.780	1.786	-0.006	97	16703	40.1	30.0	
10 1,1-Dichloroethene	96	1.854	1.850	0.004	94	9141	4.00	4.50	
11 Acetone	58	1.889	1.882	0.007	99	3430	8.00	7.40	M
12 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.908	1.908	0.000	91	10377	4.00	4.43	
13 Iodomethane	142	1.992	1.966	0.026	98	17640	4.00	4.40	
15 Isopropyl alcohol	45	2.024	1.985	0.039	31	8455	20.0	21.8	M
14 Carbon disulfide	76	2.034	2.018	0.016	99	27299	4.00	4.24	M
17 3-Chloro-1-propene	41	2.121	2.117	0.004	87	16061	4.00	4.35	M
18 Methyl acetate	43	2.121	2.117	0.004	68	11564	4.00	3.86	
19 Methylene Chloride	84	2.230	2.227	0.003	88	10152	4.00	4.33	
* 20 t-Butyl alcohol-d10 (IS)	65	2.256	2.249	0.007	97	232244	250.0	250.0	
21 2-Methyl-2-propanol	59	2.391	2.323	0.068	43	17952	20.0	20.3	
23 Acrylonitrile	53	2.413	2.407	0.006	99	16112	10.0	10.2	
24 trans-1,2-Dichloroethene	96	2.433	2.432	0.001	98	9655	4.00	4.44	
25 Methyl tert-butyl ether	73	2.433	2.436	-0.003	88	26737	4.00	4.28	
26 Hexane	57	2.658	2.651	0.007	94	12435	4.00	4.48	
27 1,1-Dichloroethane	63	2.780	2.773	0.007	95	16035	4.00	4.34	
28 Isopropyl ether	45	2.818	2.815	0.003	94	26819	4.00	4.28	
29 2-Chloro-1,3-butadiene	53	2.831	2.828	0.003	89	14228	4.00	4.33	
30 Tert-butyl ethyl ether	59	3.111	3.101	0.010	98	26213	4.00	4.25	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Butanone (MEK)	43	3.236	3.230	0.006	62	19467	8.00	9.33	M
31 cis-1,2-Dichloroethene	96	3.227	3.230	-0.003	80	10382	4.00	4.46	
33 2,2-Dichloropropane	77	3.252	3.252	0.000	91	15297	4.00	4.48	
34 Propionitrile	54	3.288	3.275	0.013	94	13958	20.0	19.0	
35 Methacrylonitrile	67	3.394	3.394	0.000	95	14504	10.0	10.4	
36 Chlorobromomethane	128	3.420	3.413	0.007	90	4858	4.00	4.44	
37 Tetrahydrofuran	71	3.432	3.426	0.006	81	13374	20.0	19.8	M
39 Chloroform	83	3.510	3.506	0.004	93	16563	4.00	4.36	
$ 41 Dibromofluoromethane (Surr)	113	3.635	3.632	0.003	94	109198	50.0	51.1	
40 1,1,1-Trichloroethane	97	3.638	3.635	0.003	64	14945	4.00	4.32	
42 Cyclohexane	56	3.696	3.689	0.007	88	18609	4.00	4.47	
43 Carbon tetrachloride	117	3.760	3.754	0.006	92	12590	4.00	4.30	
44 1,1-Dichloropropene	75	3.751	3.754	-0.003	90	12103	4.00	4.32	
45 Isobutyl alcohol	41	3.876	3.895	-0.019	35	13459	50.0	52.1	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.895	3.895	0.000	61	27633	50.0	50.4	
47 Benzene	78	3.905	3.908	-0.003	94	36694	4.00	4.39	
48 1,2-Dichloroethane	62	3.957	3.960	-0.003	96	11166	4.00	4.30	
49 Tert-amyl methyl ether	73	4.034	4.037	-0.003	96	25704	4.00	4.27	
* 50 Fluorobenzene (IS)	96	4.159	4.159	0.000	99	425994	50.0	50.0	
51 n-Heptane	43	4.175	4.175	0.000	47	10665	4.00	4.49	
52 n-Butanol	56	4.413	4.416	-0.003	89	9921	50.0	52.9	
53 Trichloroethene	95	4.455	4.455	0.000	98	10020	4.00	4.49	
54 Methylcyclohexane	83	4.648	4.648	0.000	87	16911	4.00	4.26	
55 1,2-Dichloropropane	63	4.667	4.667	0.000	91	8036	4.00	4.16	
56 2-ethoxy-2-methyl butane	87	4.690	4.689	0.001	92	13687	4.00	4.23	
58 1,4-Dioxane	88	4.722	4.722	0.000	33	2091	50.0	55.6	M
57 Dibromomethane	93	4.738	4.734	0.004	74	5432	4.00	4.19	
59 Methyl methacrylate	69	4.738	4.741	-0.003	96	7587	4.00	4.01	
60 Dichlorobromomethane	83	4.899	4.895	0.004	98	10174	4.00	4.20	
61 2-Nitropropane	41	5.085	5.085	0.000	98	21592	20.0	19.4	
62 2-Chloroethyl vinyl ether	63	5.149	5.152	-0.003	92	5132	4.00	3.90	
63 cis-1,3-Dichloropropene	75	5.268	5.268	0.000	95	12435	4.00	4.07	
64 4-Methyl-2-pentanone (MIBK)	43	5.407	5.410	-0.003	97	29469	8.00	12.0	
$ 65 Toluene-d8 (Surr)	98	5.484	5.484	0.000	93	395891	50.0	50.5	
66 Toluene	92	5.539	5.538	0.000	98	21674	4.00	4.36	
67 trans-1,3-Dichloropropene	75	5.741	5.741	0.000	93	10990	4.00	4.17	
68 Ethyl methacrylate	69	5.799	5.799	0.000	87	12604	4.00	4.24	
69 1,1,2-Trichloroethane	97	5.883	5.886	-0.003	90	6900	4.00	4.16	
70 Tetrachloroethene	166	5.931	5.931	0.000	97	9719	4.00	4.38	
71 1,3-Dichloropropane	76	5.998	5.998	0.000	91	11283	4.00	4.19	
73 2-Hexanone	43	6.050	6.053	-0.003	97	21981	8.00	8.45	
74 Chlorodibromomethane	129	6.143	6.146	-0.003	90	7448	4.00	4.14	
S 72 1,2-Dichloroethene, Total	100				0			8.90	
75 Ethylene Dibromide	107	6.214	6.217	-0.003	97	7486	4.00	4.13	
* 76 Chlorobenzene-d5 (IS)	117	6.532	6.532	0.000	85	295450	50.0	50.0	
77 Chlorobenzene	112	6.551	6.551	0.000	95	23262	4.00	4.22	
78 1-Chlorohexane	91	6.558	6.558	0.000	96	11712	4.00	4.33	
79 1,1,1,2-Tetrachloroethane	131	6.612	6.615	-0.003	95	8391	4.00	4.14	
80 Ethylbenzene	91	6.622	6.622	0.000	98	41862	4.00	4.29	
81 m-Xylene & p-Xylene	106	6.706	6.709	-0.003	99	32731	8.00	8.43	
82 o-Xylene	106	6.940	6.943	-0.003	96	17055	4.00	4.27	
83 Styrene	104	6.953	6.956	-0.003	94	25155	4.00	4.20	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Bromoform	173	7.056	7.056	0.000	96	5439	4.00	3.90	
85 Isopropylbenzene	105	7.165	7.165	0.000	95	42054	4.00	4.26	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	91	142841	50.0	49.5	
87 Bromobenzene	156	7.339	7.339	0.000	92	9646	4.00	4.12	
88 1,1,2,2-Tetrachloroethane	83	7.352	7.352	0.000	94	12596	4.00	4.09	
89 trans-1,4-Dichloro-2-butene	53	7.368	7.371	-0.003	95	9457	10.0	10.0	
90 1,2,3-Trichloropropane	110	7.378	7.377	0.001	83	4216	4.00	4.15	
91 N-Propylbenzene	91	7.403	7.406	-0.003	99	48304	4.00	4.21	
92 2-Chlorotoluene	126	7.452	7.451	0.001	97	10408	4.00	4.28	
93 1,3,5-Trimethylbenzene	105	7.509	7.509	0.000	93	36048	4.00	4.17	
94 4-Chlorotoluene	126	7.522	7.522	0.000	97	9643	4.00	4.17	
95 tert-Butylbenzene	134	7.683	7.683	0.000	92	7113	4.00	4.05	
96 1,2,4-Trimethylbenzene	105	7.715	7.715	0.000	97	35959	4.00	4.16	
97 sec-Butylbenzene	105	7.805	7.805	0.000	94	42360	4.00	4.06	
98 1,3-Dichlorobenzene	146	7.863	7.866	-0.003	98	18870	4.00	4.28	
99 4-Isopropyltoluene	119	7.889	7.889	0.000	97	38200	4.00	4.15	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	94	169794	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.921	7.921	0.000	94	18007	4.00	4.07	
102 1,2,3-Trimethylbenzene	105	7.934	7.937	-0.003	97	37260	4.00	4.19	
103 Benzyl chloride	91	7.982	7.982	0.000	99	25911	4.00	4.22	
104 1,3-Diethylbenzene	119	8.040	8.040	0.000	95	21235	4.00	4.11	
105 p-Diethylbenzene	119	8.091	8.091	0.000	94	22315	4.00	4.15	
106 n-Butylbenzene	92	8.104	8.104	0.000	98	17426	4.00	4.22	
107 1,2-Dichlorobenzene	146	8.111	8.107	0.004	98	19109	4.00	4.25	
108 o-diethylbenzene	119	8.140	8.143	-0.003	95	17537	4.00	4.04	
109 1,2-Dibromo-3-Chloropropane	75	8.516	8.516	0.000	87	4361	4.00	3.94	
110 1,3,5-Trichlorobenzene	180	8.612	8.612	0.000	98	13033	4.00	4.24	
111 1,2,4-Trichlorobenzene	180	8.931	8.930	0.001	94	13155	4.00	4.21	
112 Hexachlorobutadiene	225	9.001	9.001	0.000	96	4753	4.00	4.10	
113 Naphthalene	128	9.059	9.059	0.000	97	55107	4.00	4.14	
114 1,2,3-Trichlorobenzene	180	9.169	9.168	0.001	95	13288	4.00	4.21	
115 2-Methylnaphthalene	142	9.616	9.615	0.001	93	29665	4.00	4.05	
S 137 1,3-Dichloropropene, Total	100				0			8.25	
S 138 Xylenes, Total	106				0			12.7	
S 139 Total Diethylbenzene	1				0			12.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00189	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_00816	Amount Added:	2.00	Units: uL	
MSV_CCV_VOC#3_00185	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00181	Amount Added:	4.00	Units: uL	
MSV_Cent_ISSS_00027	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 27-Jun-2024 22:58:17 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X08.D

Injection Date: 27-Jun-2024 18:47:58 Instrument ID: 15830 Operator ID: MEC29284

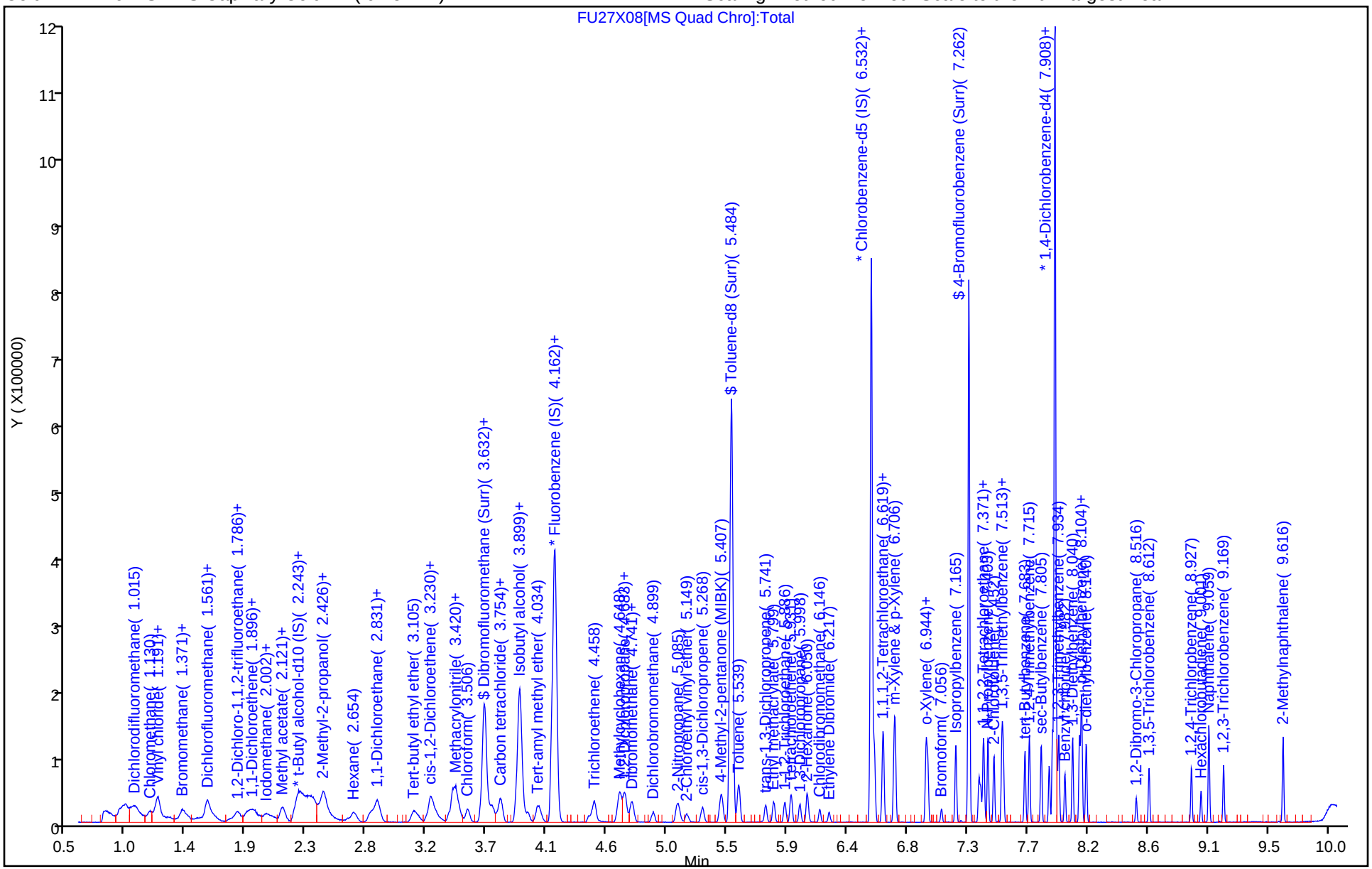
Lims ID: IC v4 Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSVoa_15830_PT2 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

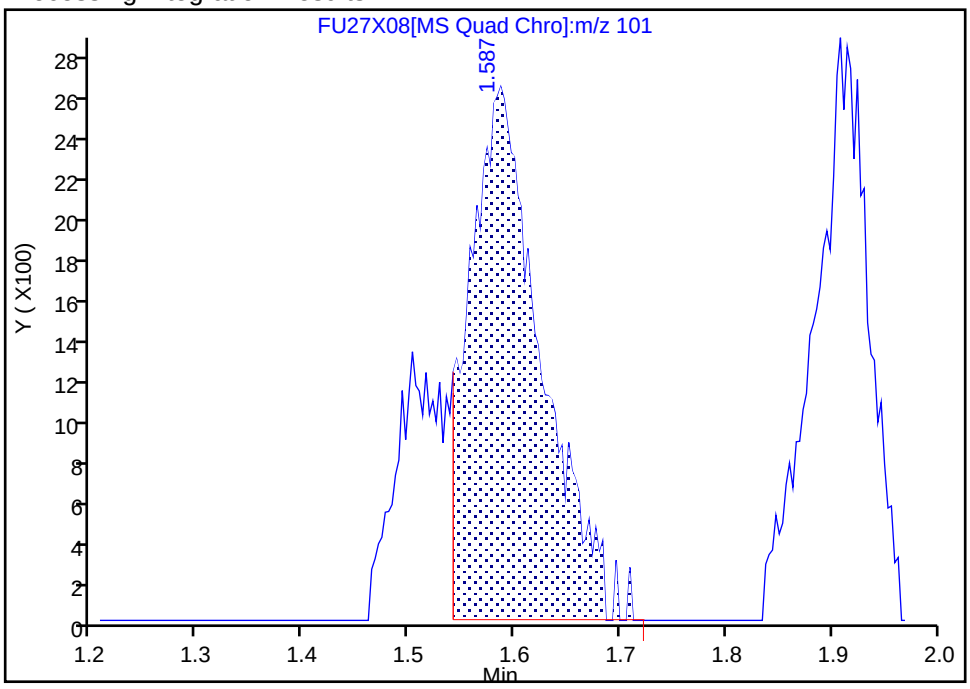
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X08.D
Injection Date: 27-Jun-2024 18:47:58 Instrument ID: 15830
Lims ID: IC v4
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

7 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

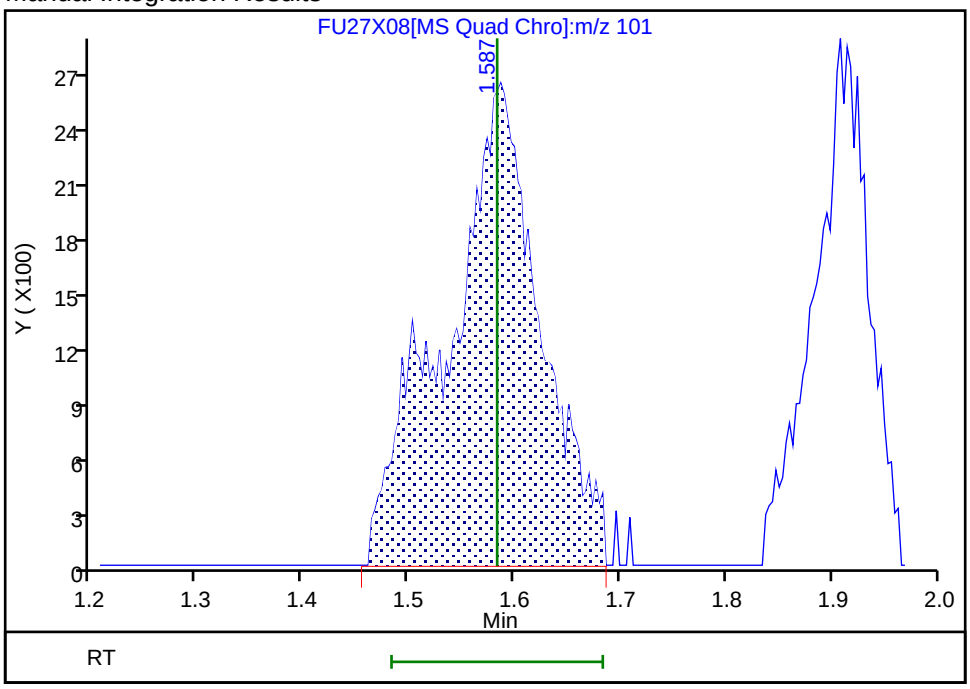
Processing Integration Results

RT: 1.59
Area: 12431
Amount: 3.513651
Amount Units: ug/l



Manual Integration Results

RT: 1.59
Area: 16337
Amount: 4.190168
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:01:14 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

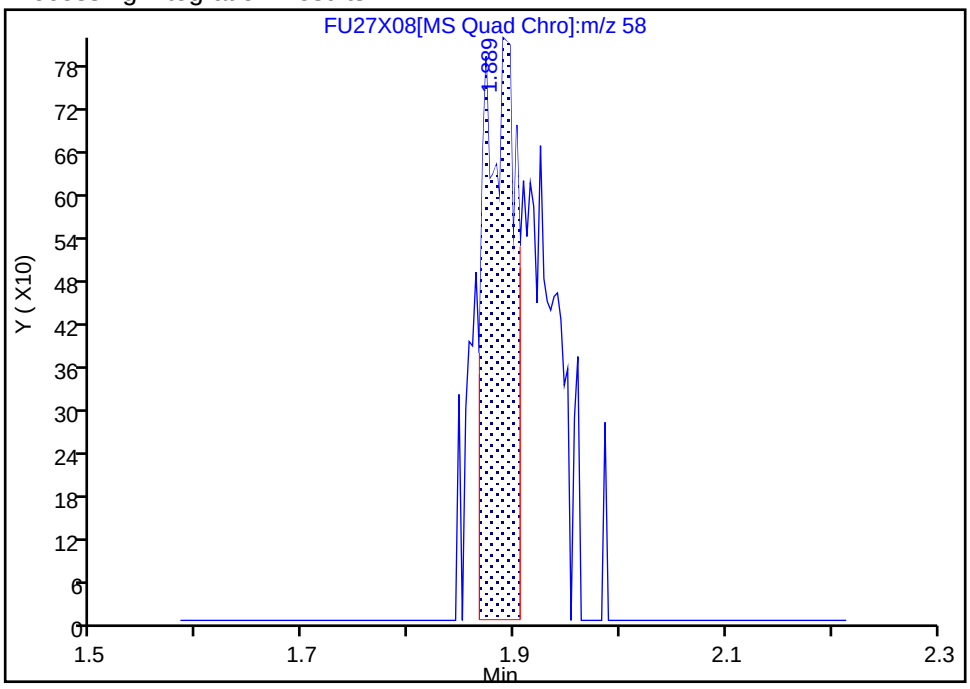
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X08.D
Injection Date: 27-Jun-2024 18:47:58 Instrument ID: 15830
Lims ID: IC v4
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

11 Acetone, CAS: 67-64-1

Signal: 1

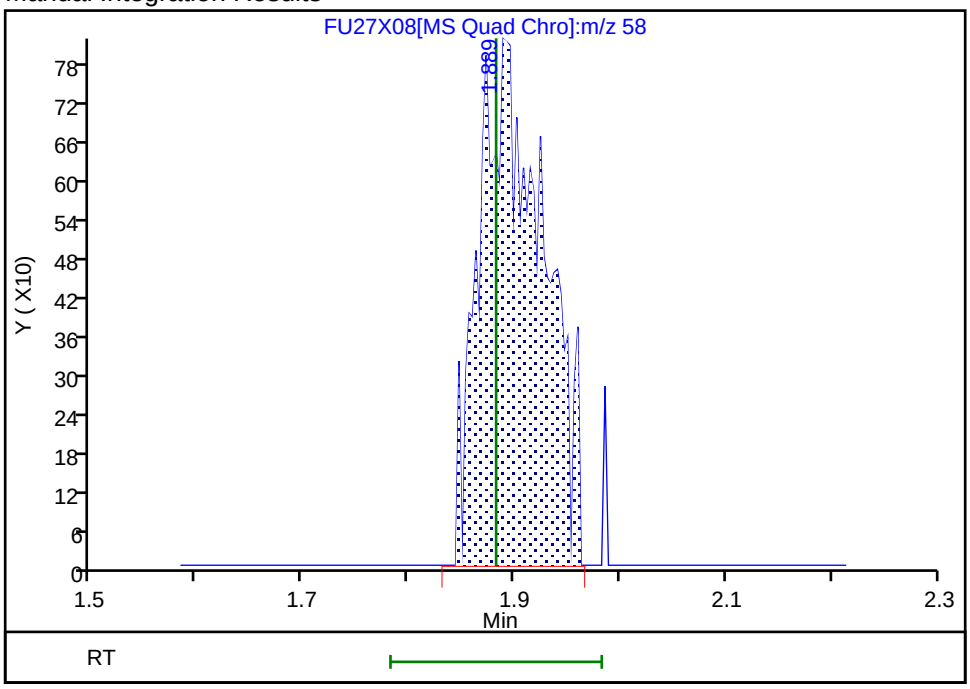
Processing Integration Results

RT: 1.89
Area: 1627
Amount: 4.318645
Amount Units: ug/l



Manual Integration Results

RT: 1.89
Area: 3430
Amount: 7.397712
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:01:19 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

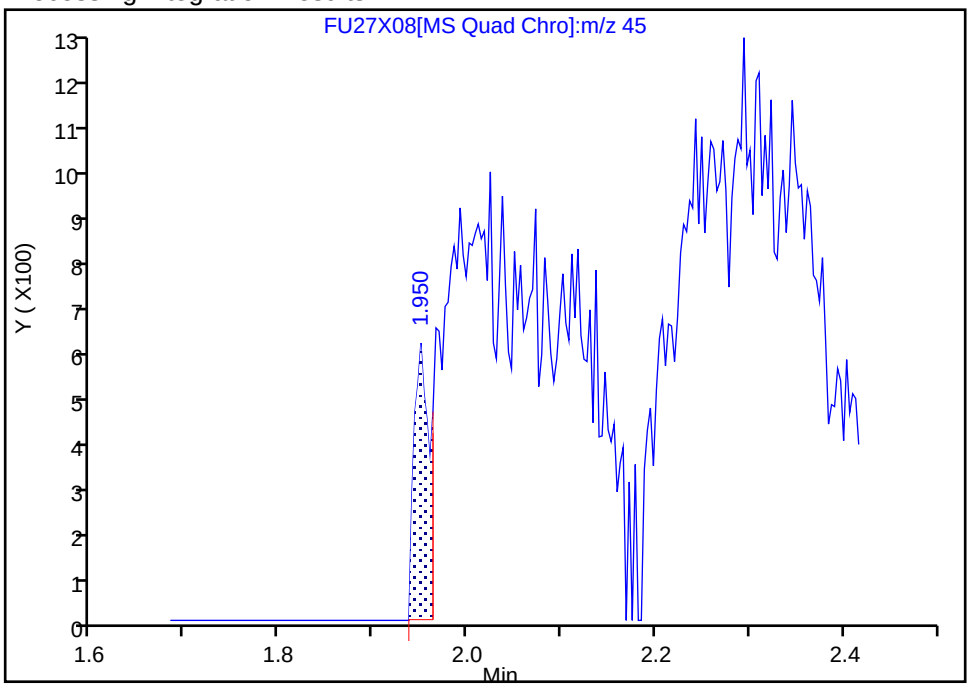
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X08.D
Injection Date: 27-Jun-2024 18:47:58 Instrument ID: 15830
Lims ID: IC v4
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

15 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

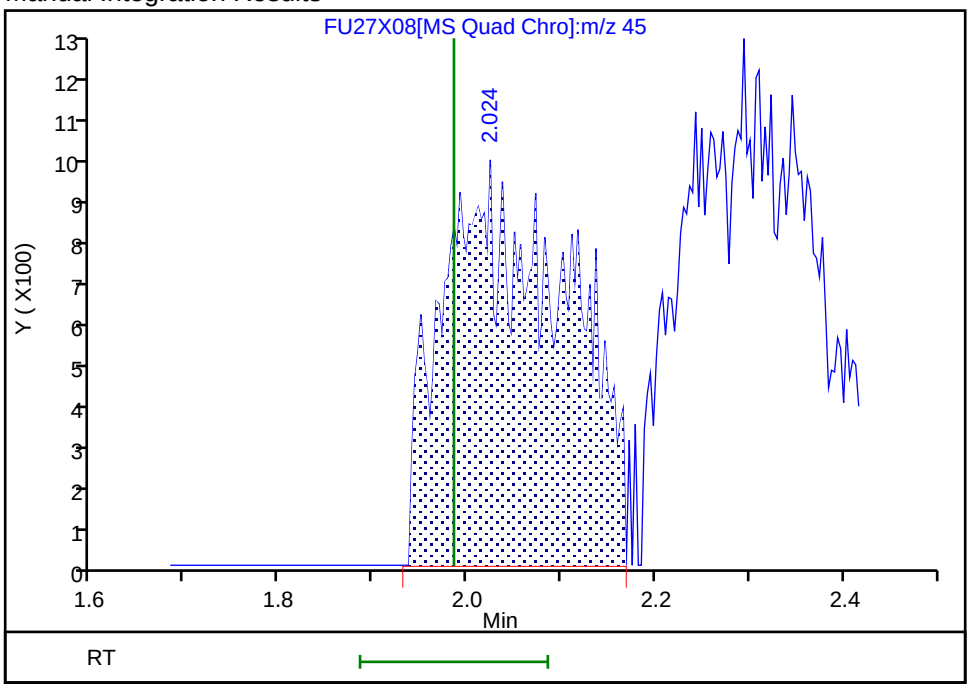
Processing Integration Results

RT: 1.95
Area: 670
Amount: 2.345356
Amount Units: ug/l



Manual Integration Results

RT: 2.02
Area: 8455
Amount: 21.763531
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:01:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

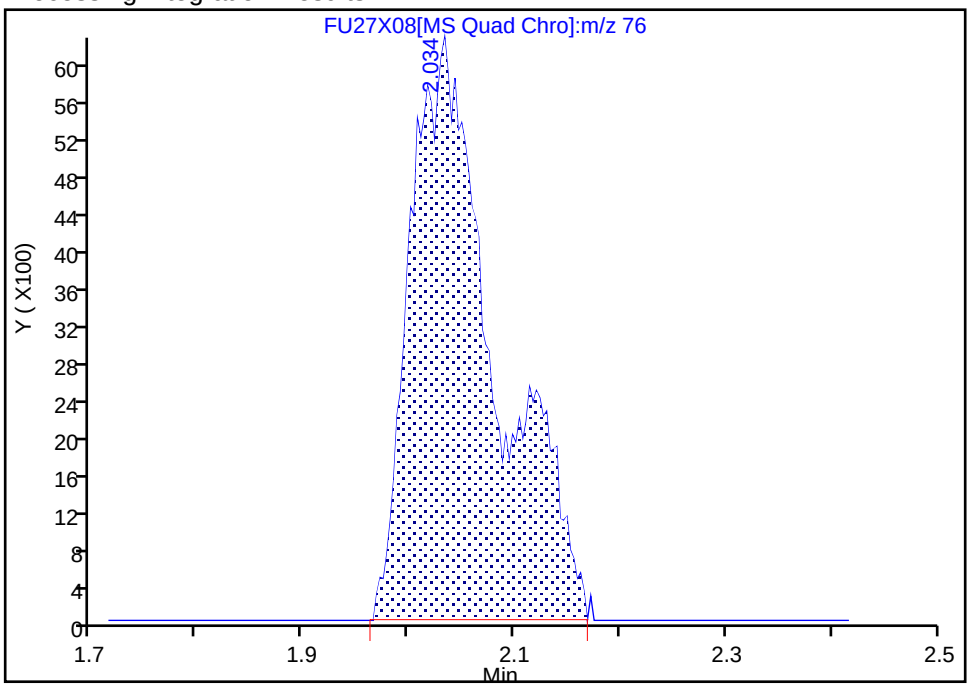
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X08.D
Injection Date: 27-Jun-2024 18:47:58 Instrument ID: 15830
Lims ID: IC v4
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

14 Carbon disulfide, CAS: 75-15-0

Signal: 1

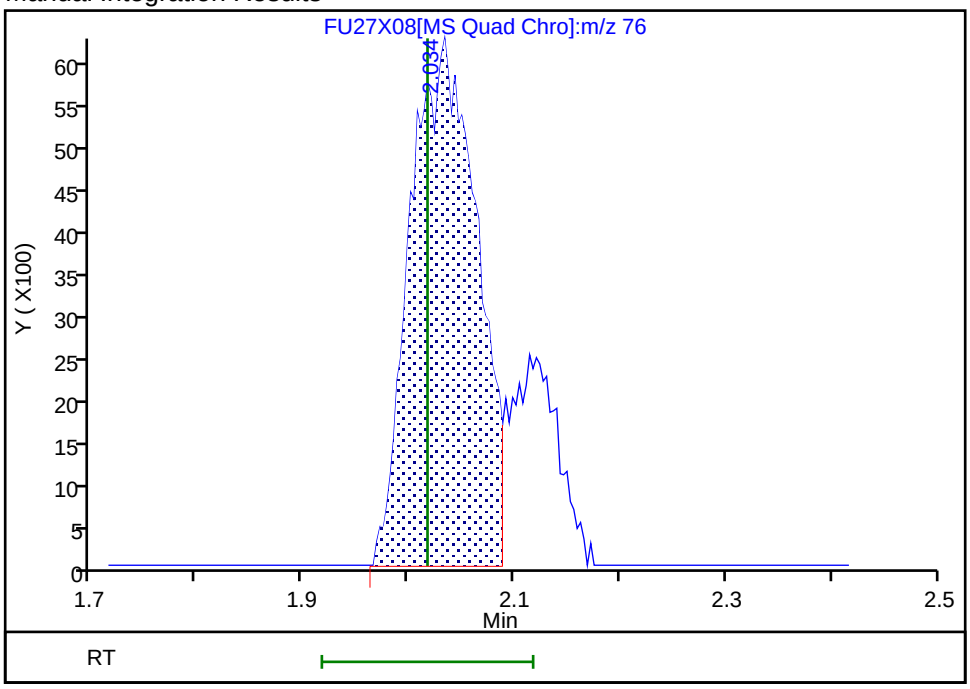
Processing Integration Results

RT: 2.03
Area: 34838
Amount: 5.175332
Amount Units: ug/l



Manual Integration Results

RT: 2.03
Area: 27299
Amount: 4.240072
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:01:41 -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

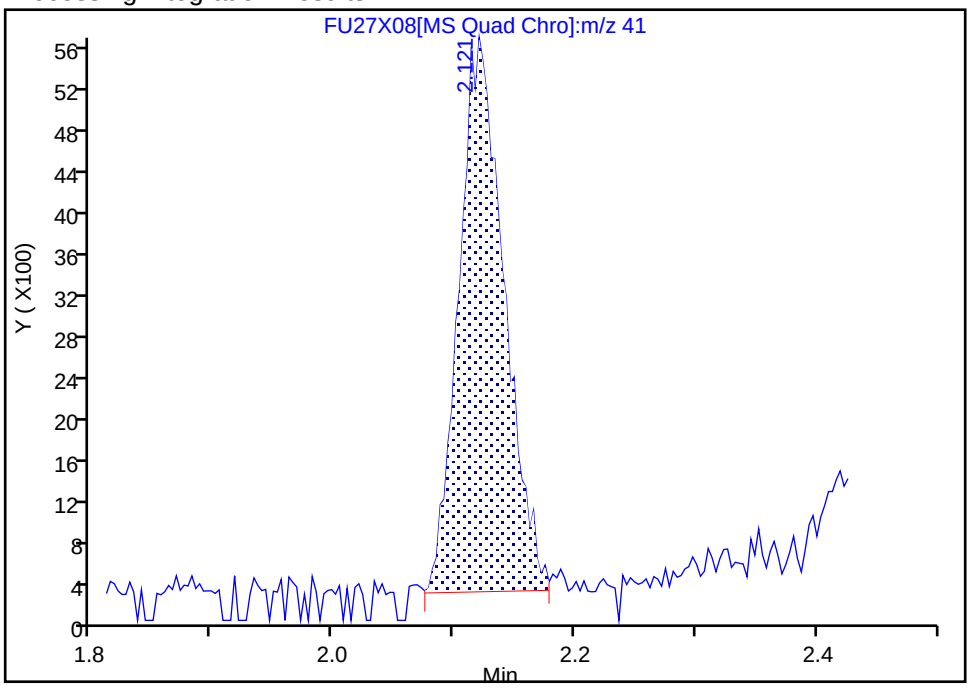
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X08.D
Injection Date: 27-Jun-2024 18:47:58 Instrument ID: 15830
Lims ID: IC v4
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

17 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

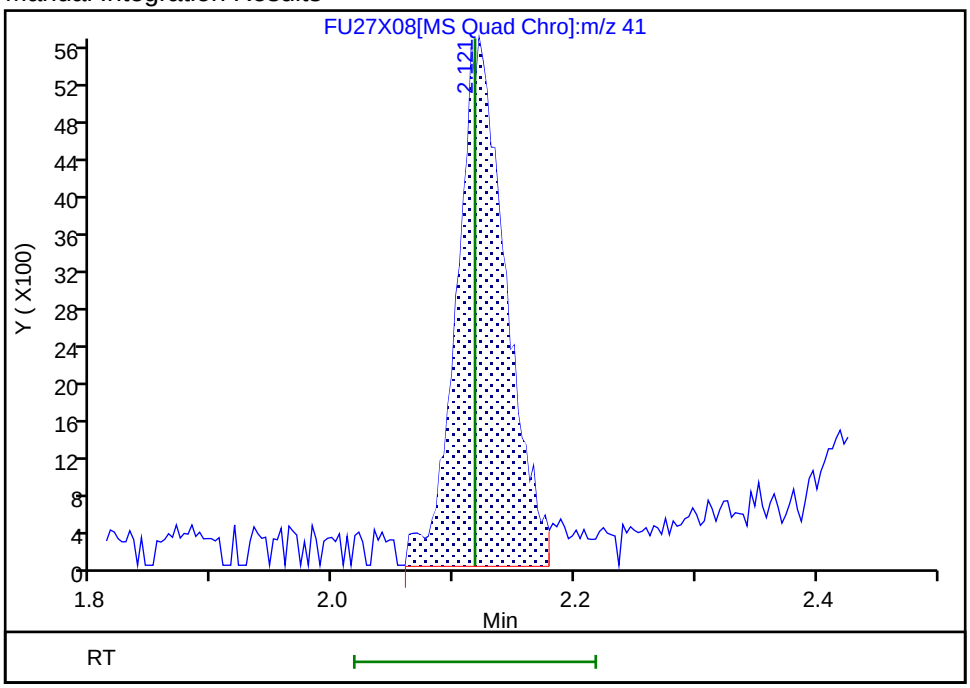
Processing Integration Results

RT: 2.12
Area: 13999
Amount: 3.871347
Amount Units: ug/l



Manual Integration Results

RT: 2.12
Area: 16061
Amount: 4.352932
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:02:01 -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

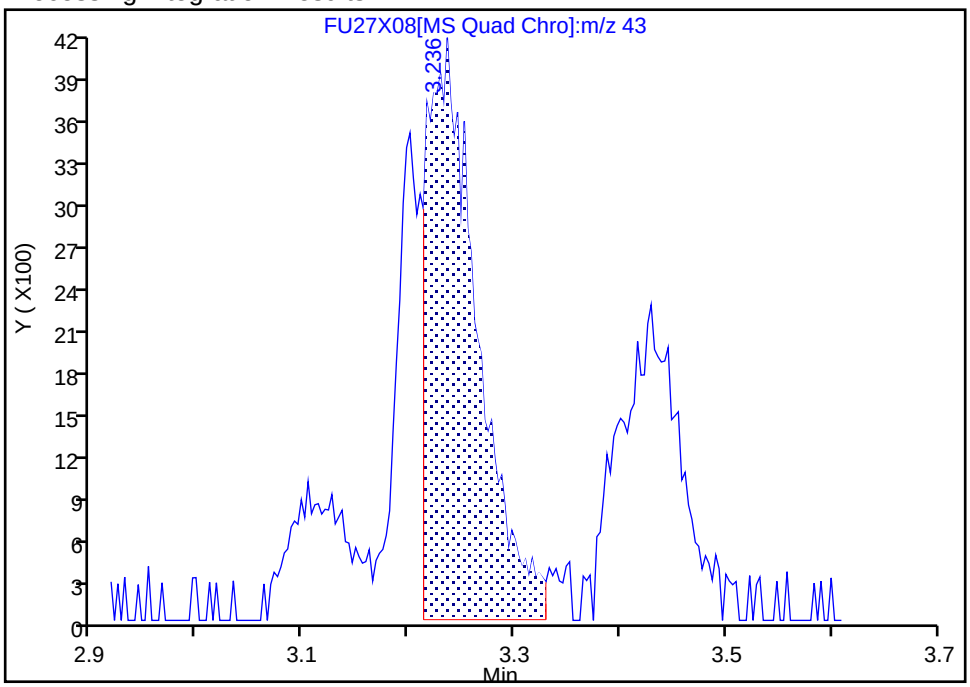
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X08.D
Injection Date: 27-Jun-2024 18:47:58 Instrument ID: 15830
Lims ID: IC v4
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

32 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

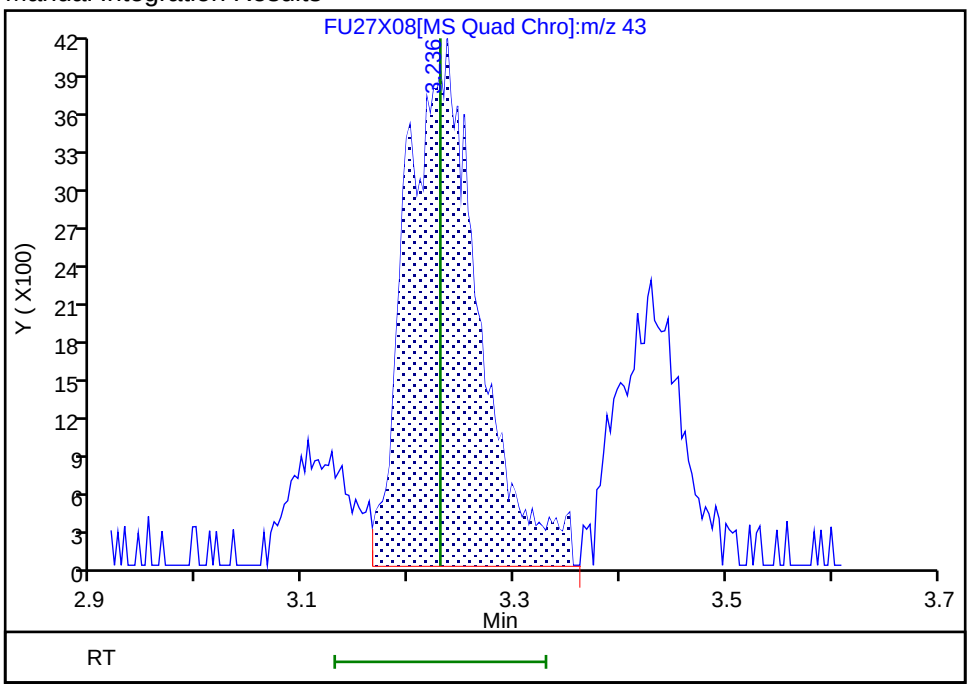
Processing Integration Results

RT: 3.24
Area: 13704
Amount: 6.910441
Amount Units: ug/l



Manual Integration Results

RT: 3.24
Area: 19467
Amount: 9.330337
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:02:31 -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

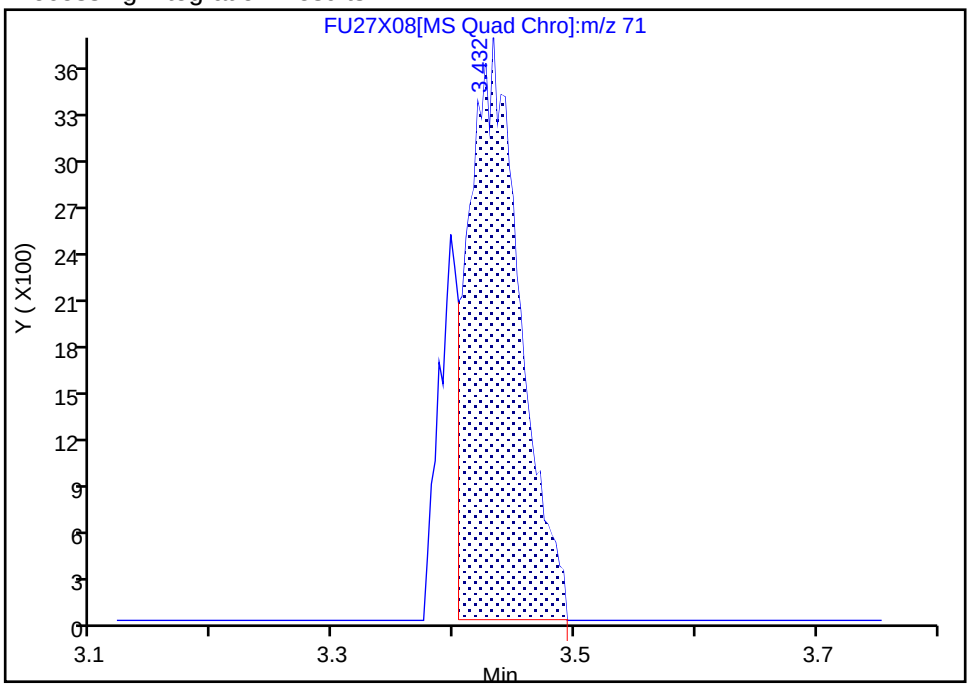
Data File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X08.D				
Injection Date:	27-Jun-2024 18:47:58	Instrument ID:	15830		
Lims ID:	IC v4				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

37 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

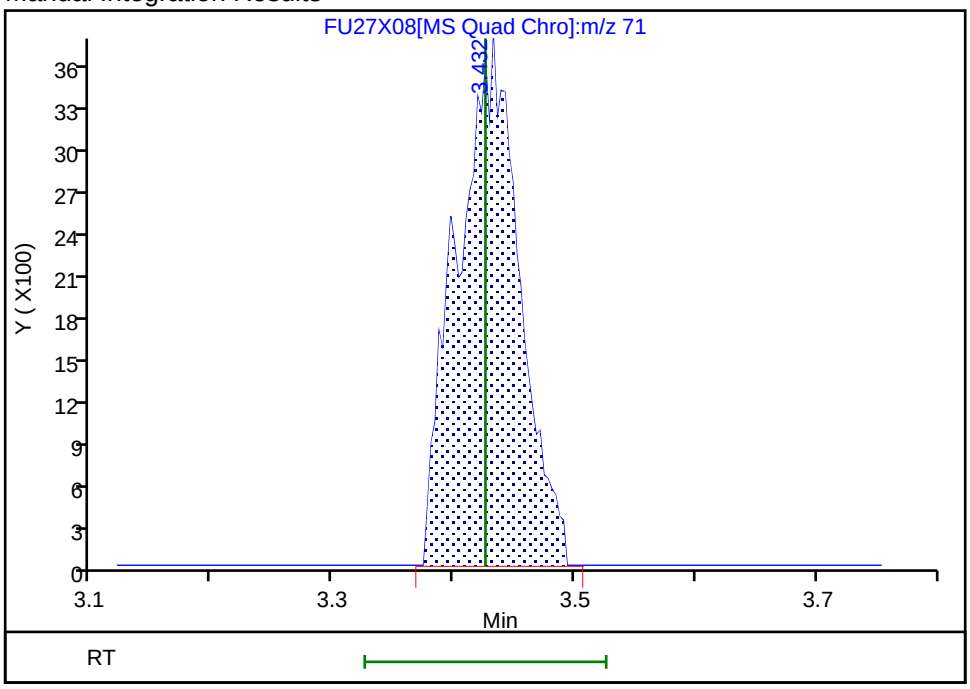
Processing Integration Results

RT: 3.43
Area: 11027
Amount: 16.724228
Amount Units: ug/l



Manual Integration Results

RT: 3.43
Area: 13374
Amount: 19.780889
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:02:43 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

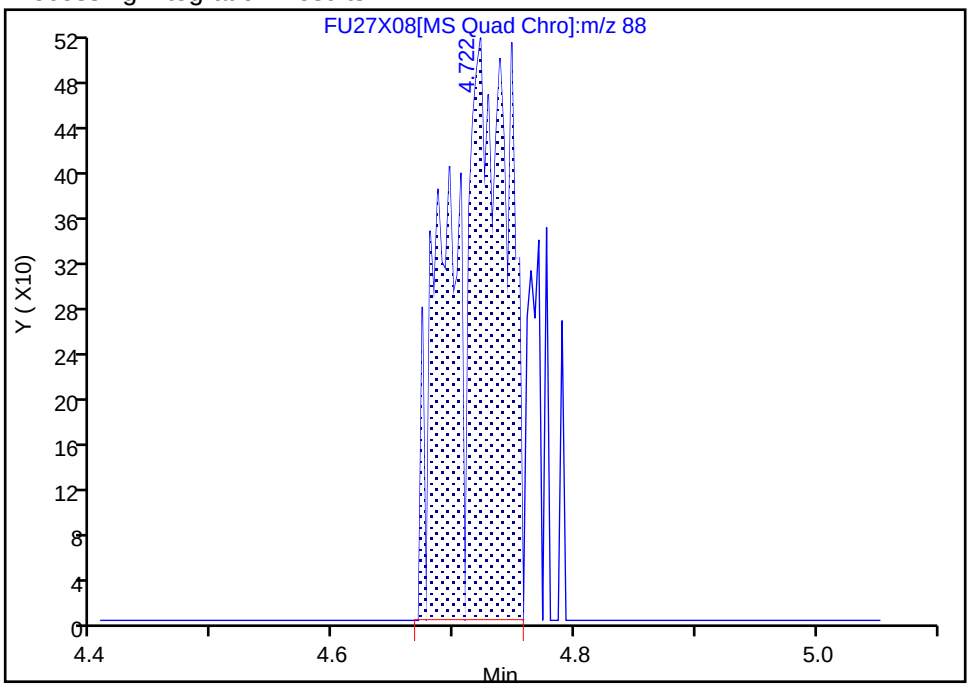
Data File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X08.D				
Injection Date:	27-Jun-2024 18:47:58	Instrument ID:	15830		
Lims ID:	IC v4				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

58 1,4-Dioxane, CAS: 123-91-1

Signal: 1

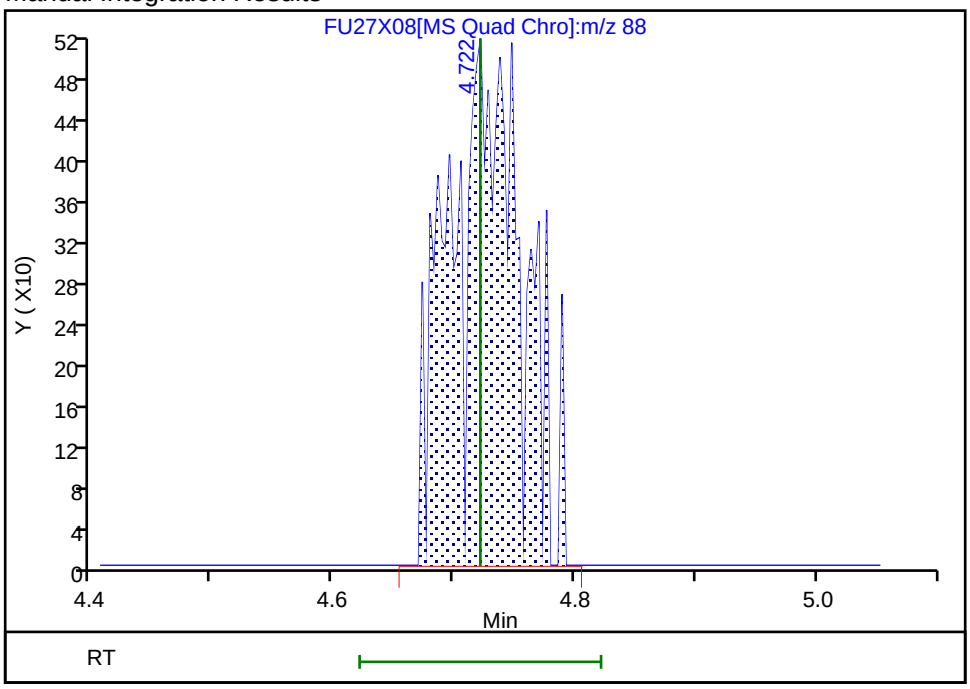
Processing Integration Results

RT: 4.72
Area: 1747
Amount: 37.199614
Amount Units: ug/l



Manual Integration Results

RT: 4.72
Area: 2091
Amount: 55.637233
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:02:54 -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\15830\20240627-117886.b\FU27X10.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 27-Jun-2024 19:16:56 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC v10
Misc. Info.: 410-0117886-006
Operator ID: MEC29284 Instrument ID: 15830
Sublist: chrom-MSVoa_15830_PT2*sub10

Method: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 27-Jun-2024 22:58:22 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1609

First Level Reviewer: K4WN Date: 27-Jun-2024 22:05:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.018	1.014	0.004	99	37686	10.0	11.1	
2 Chloromethane	50	1.133	1.124	0.009	99	38579	10.0	10.7	M
3 Vinyl chloride	62	1.188	1.185	0.003	89	36331	10.0	11.0	
4 Butadiene	39	1.195	1.185	0.010	92	40131	10.0	10.6	
5 Bromomethane	94	1.375	1.365	0.010	91	26372	10.0	11.1	
6 Chloroethane	64	1.407	1.397	0.010	98	21657	10.0	11.0	
16 Dichlorofluoromethane	67	1.558	1.551	0.007	99	58734	10.0	11.0	
8 Pentane	43	1.561	1.558	0.003	93	39158	10.0	10.6	
7 Trichlorofluoromethane	101	1.584	1.583	0.001	95	44929	10.0	11.3	
22 1,2-Dichloro-1,1,2-trifluoroetha	67	1.770	1.773	-0.003	90	31424	10.0	11.2	
9 Acrolein	56	1.796	1.786	0.010	98	49090	100.2	89.0	
10 1,1-Dichloroethene	96	1.860	1.850	0.010	96	21161	10.0	10.2	
11 Acetone	58	1.889	1.882	0.007	95	10186	20.0	22.2	M
12 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.908	1.908	0.000	91	24217	10.0	10.1	
13 Iodomethane	142	1.973	1.966	0.007	98	41388	10.0	10.1	
15 Isopropyl alcohol	45	2.002	1.985	0.017	33	17425	50.0	45.3	
14 Carbon disulfide	76	2.024	2.018	0.006	100	65609	10.0	9.95	
17 3-Chloro-1-propene	41	2.121	2.117	0.004	91	36801	10.0	9.74	
18 Methyl acetate	43	2.127	2.117	0.010	75	35630	10.0	11.6	
19 Methylene Chloride	84	2.236	2.227	0.009	90	24232	10.0	10.1	
* 20 t-Butyl alcohol-d10 (IS)	65	2.313	2.249	0.064	91	230008	250.0	250.0	
21 2-Methyl-2-propanol	59	2.323	2.323	0.000	50	43835	50.0	50.0	
23 Acrylonitrile	53	2.413	2.407	0.006	98	40718	25.0	25.3	
24 trans-1,2-Dichloroethene	96	2.436	2.432	0.004	98	22629	10.0	10.2	
25 Methyl tert-butyl ether	73	2.432	2.436	-0.004	90	64824	10.0	10.1	
26 Hexane	57	2.657	2.651	0.006	93	27933	10.0	9.82	
27 1,1-Dichloroethane	63	2.773	2.773	0.000	96	37825	10.0	10.0	
28 Isopropyl ether	45	2.821	2.815	0.006	94	64342	10.0	10.0	
29 2-Chloro-1,3-butadiene	53	2.828	2.828	0.000	93	33214	10.0	9.88	
30 Tert-butyl ethyl ether	59	3.104	3.101	0.003	97	63439	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
32 2-Butanone (MEK)	43	3.230	3.230	0.000	98	44798	20.0	21.0	M
31 cis-1,2-Dichloroethene	96	3.233	3.230	0.003	83	24172	10.0	10.1	
33 2,2-Dichloropropane	77	3.249	3.252	-0.003	88	35563	10.0	10.2	
34 Propionitrile	54	3.281	3.275	0.006	94	35717	50.0	49.2	
35 Methacrylonitrile	67	3.397	3.394	0.003	93	34840	25.0	24.4	
36 Chlorobromomethane	128	3.416	3.413	0.003	93	11371	10.0	10.2	
37 Tetrahydrofuran	71	3.426	3.426	0.000	89	31739	50.0	47.4	
39 Chloroform	83	3.510	3.506	0.004	93	37591	10.0	9.65	
$ 41 Dibromofluoromethane (Surr)	113	3.635	3.632	0.003	93	110070	50.0	50.3	
40 1,1,1-Trichloroethane	97	3.629	3.635	-0.007	95	34841	10.0	9.84	
42 Cyclohexane	56	3.683	3.689	-0.006	90	41041	10.0	9.63	
43 Carbon tetrachloride	117	3.754	3.754	0.000	88	28916	10.0	9.65	
44 1,1-Dichloropropene	75	3.754	3.754	0.000	95	28529	10.0	9.94	
45 Isobutyl alcohol	41	3.895	3.895	0.000	37	29563	125.0	115.6	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.899	3.895	0.004	67	28564	50.0	50.9	
47 Benzene	78	3.908	3.908	0.000	95	83139	10.0	9.70	
48 1,2-Dichloroethane	62	3.963	3.960	0.003	97	26447	10.0	9.94	
49 Tert-amyl methyl ether	73	4.034	4.037	-0.003	98	62236	10.0	10.1	
* 50 Fluorobenzene (IS)	96	4.159	4.159	0.000	99	436333	50.0	50.0	
51 n-Heptane	43	4.178	4.175	0.003	93	23665	10.0	9.73	
52 n-Butanol	56	4.413	4.416	-0.003	86	22869	125.0	123.1	
53 Trichloroethene	95	4.455	4.455	0.000	97	22040	10.0	9.64	
54 Methylcyclohexane	83	4.641	4.648	-0.007	87	39995	10.0	9.83	
55 1,2-Dichloropropane	63	4.667	4.667	0.000	96	19731	10.0	9.97	
56 2-ethoxy-2-methyl butane	87	4.690	4.689	0.001	93	32499	10.0	9.80	
58 1,4-Dioxane	88	4.722	4.722	0.000	26	4345	125.0	116.7	M
57 Dibromomethane	93	4.738	4.734	0.004	81	13221	10.0	9.96	
59 Methyl methacrylate	69	4.741	4.741	0.000	93	18239	10.0	9.41	
60 Dichlorobromomethane	83	4.899	4.895	0.004	99	23878	10.0	9.62	
61 2-Nitropropane	41	5.082	5.085	-0.003	98	52401	50.0	47.6	
62 2-Chloroethyl vinyl ether	63	5.149	5.152	-0.003	90	13397	10.0	9.94	
63 cis-1,3-Dichloropropene	75	5.268	5.268	0.000	96	30016	10.0	9.60	
64 4-Methyl-2-pentanone (MIBK)	43	5.407	5.410	-0.003	97	81070	20.0	24.3	
$ 65 Toluene-d8 (Surr)	98	5.484	5.484	0.000	93	407479	50.0	49.9	
66 Toluene	92	5.538	5.538	0.000	98	50232	10.0	9.69	
67 trans-1,3-Dichloropropene	75	5.741	5.741	0.000	94	26280	10.0	9.57	
68 Ethyl methacrylate	69	5.799	5.799	0.000	89	29993	10.0	9.68	
69 1,1,2-Trichloroethane	97	5.882	5.886	-0.004	90	16904	10.0	9.78	
70 Tetrachloroethene	166	5.931	5.931	0.000	98	22220	10.0	9.62	
71 1,3-Dichloropropane	76	5.998	5.998	0.000	92	27542	10.0	9.81	
73 2-Hexanone	43	6.053	6.053	0.000	97	59384	20.0	21.9	
74 Chlorodibromomethane	129	6.146	6.146	0.000	89	17948	10.0	9.57	
S 72 1,2-Dichloroethene, Total	100				0			20.3	
75 Ethylene Dibromide	107	6.214	6.217	-0.003	98	18066	10.0	9.57	
* 76 Chlorobenzene-d5 (IS)	117	6.532	6.532	0.000	84	307951	50.0	50.0	
77 Chlorobenzene	112	6.551	6.551	0.000	96	55890	10.0	9.73	
78 1-Chlorohexane	91	6.558	6.558	0.000	95	27773	10.0	9.85	
79 1,1,1,2-Tetrachloroethane	131	6.616	6.615	0.001	94	20570	10.0	9.73	
80 Ethylbenzene	91	6.622	6.622	0.000	98	99598	10.0	9.79	
81 m-Xylene & p-Xylene	106	6.706	6.709	-0.003	98	79171	20.0	19.6	
82 o-Xylene	106	6.943	6.943	0.000	95	40871	10.0	9.82	
83 Styrene	104	6.956	6.956	0.000	95	60326	10.0	9.67	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Bromoform	173	7.059	7.056	0.003	97	13491	10.0	9.29	
85 Isopropylbenzene	105	7.165	7.165	0.000	95	100712	10.0	9.79	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	90	149849	50.0	49.8	
87 Bromobenzene	156	7.339	7.339	0.000	91	23275	10.0	9.72	
88 1,1,2,2-Tetrachloroethane	83	7.352	7.352	0.000	94	31388	10.0	9.95	
89 trans-1,4-Dichloro-2-butene	53	7.371	7.371	0.000	94	23519	25.0	24.4	
90 1,2,3-Trichloropropane	110	7.378	7.377	0.001	86	10225	10.0	9.83	
91 N-Propylbenzene	91	7.406	7.406	0.000	99	116405	10.0	9.92	
92 2-Chlorotoluene	126	7.452	7.451	0.001	97	24799	10.0	9.97	
93 1,3,5-Trimethylbenzene	105	7.509	7.509	0.000	95	84937	10.0	9.59	
94 4-Chlorotoluene	126	7.522	7.522	0.000	97	23859	10.0	10.1	
95 tert-Butylbenzene	134	7.683	7.683	0.000	93	17150	10.0	9.54	
96 1,2,4-Trimethylbenzene	105	7.715	7.715	0.000	97	86403	10.0	9.77	
97 sec-Butylbenzene	105	7.805	7.805	0.000	94	105673	10.0	9.89	
98 1,3-Dichlorobenzene	146	7.866	7.866	0.000	98	43279	10.0	9.60	
99 4-Isopropyltoluene	119	7.889	7.889	0.000	97	93307	10.0	9.91	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	94	173830	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.921	7.921	0.000	96	44225	10.0	9.77	
102 1,2,3-Trimethylbenzene	105	7.934	7.937	-0.003	98	89596	10.0	9.83	
103 Benzyl chloride	91	7.982	7.982	0.000	98	62293	10.0	9.91	
104 1,3-Diethylbenzene	119	8.040	8.040	0.000	96	52686	10.0	9.95	
105 p-Diethylbenzene	119	8.091	8.091	0.000	94	54814	10.0	9.97	
106 n-Butylbenzene	92	8.104	8.104	0.000	98	42106	10.0	9.95	
107 1,2-Dichlorobenzene	146	8.107	8.107	0.000	98	44815	10.0	9.75	
108 o-diethylbenzene	119	8.143	8.143	0.000	94	44133	10.0	9.92	
109 1,2-Dibromo-3-Chloropropane	75	8.516	8.516	0.000	84	11289	10.0	9.97	
110 1,3,5-Trichlorobenzene	180	8.612	8.612	0.000	98	31516	10.0	10.0	
111 1,2,4-Trichlorobenzene	180	8.931	8.930	0.001	94	31882	10.0	9.98	
112 Hexachlorobutadiene	225	9.001	9.001	0.000	97	11575	10.0	9.76	
113 Naphthalene	128	9.059	9.059	0.000	97	134922	10.0	9.89	
114 1,2,3-Trichlorobenzene	180	9.168	9.168	0.000	96	32189	10.0	9.97	
115 2-Methylnaphthalene	142	9.615	9.615	0.000	92	73949	10.0	9.87	
S 137 1,3-Dichloropropene, Total	100				0			19.2	
S 138 Xylenes, Total	106				0			29.4	
S 139 Total Diethylbenzene	1				0			29.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00189	Amount Added:	2.00	Units: uL	
MSV_CCV_GASES_00816	Amount Added:	1.00	Units: uL	
MSV_CCV_VOC#3_00185	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00181	Amount Added:	2.00	Units: uL	
MSV_Cent_ISSS_00027	Amount Added:	5.00	Units: uL	Run Reagent

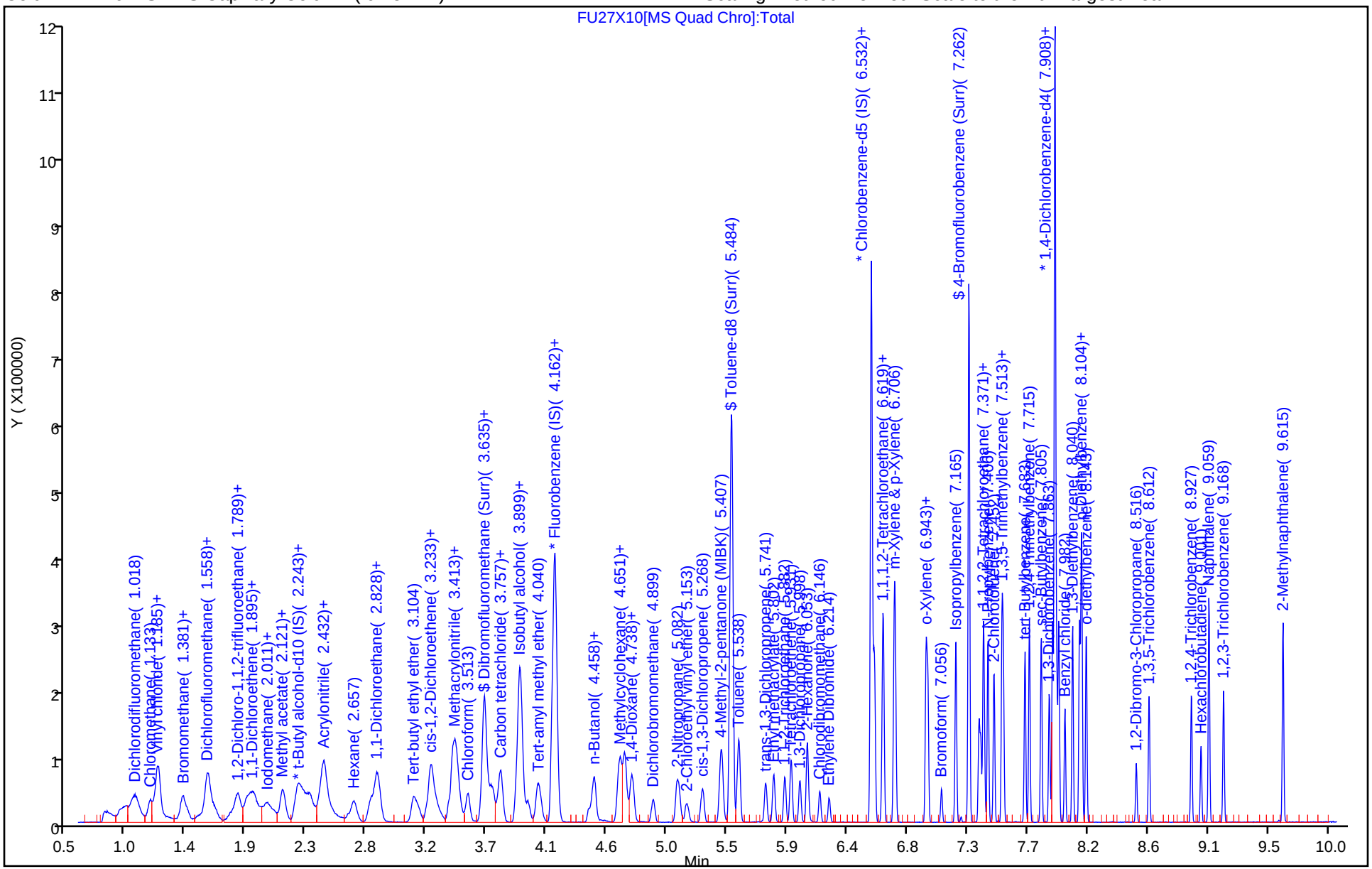
Report Date: 27-Jun-2024 22:58:23 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X10.D

Injection Date:	27-Jun-2024 19:16:56	Instrument ID:	15830	Operator ID:	MEC29284
Lims ID:	IC v10			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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

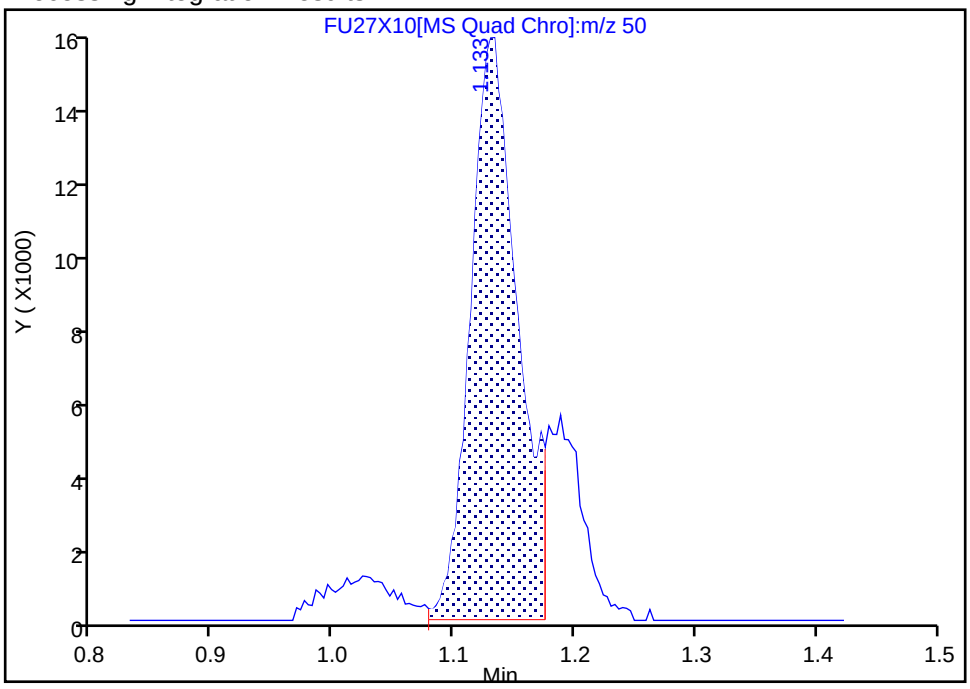
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X10.D
Injection Date: 27-Jun-2024 19:16:56 Instrument ID: 15830
Lims ID: IC v10
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Chloromethane, CAS: 74-87-3

Signal: 1

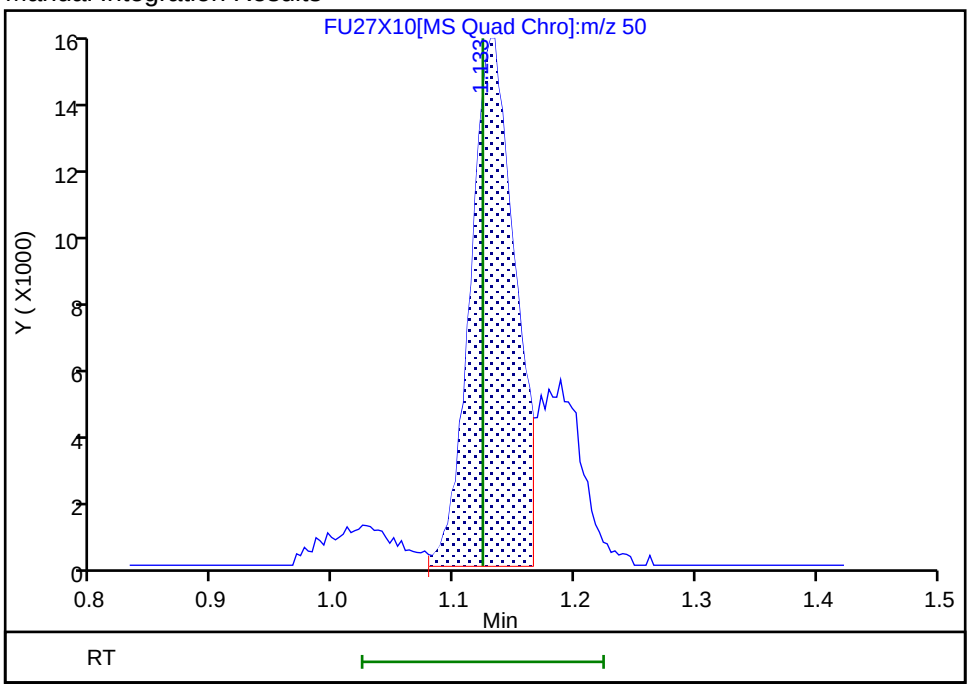
Processing Integration Results

RT: 1.13
Area: 41199
Amount: 10.453439
Amount Units: ug/l



Manual Integration Results

RT: 1.13
Area: 38579
Amount: 10.715077
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:03:39 -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

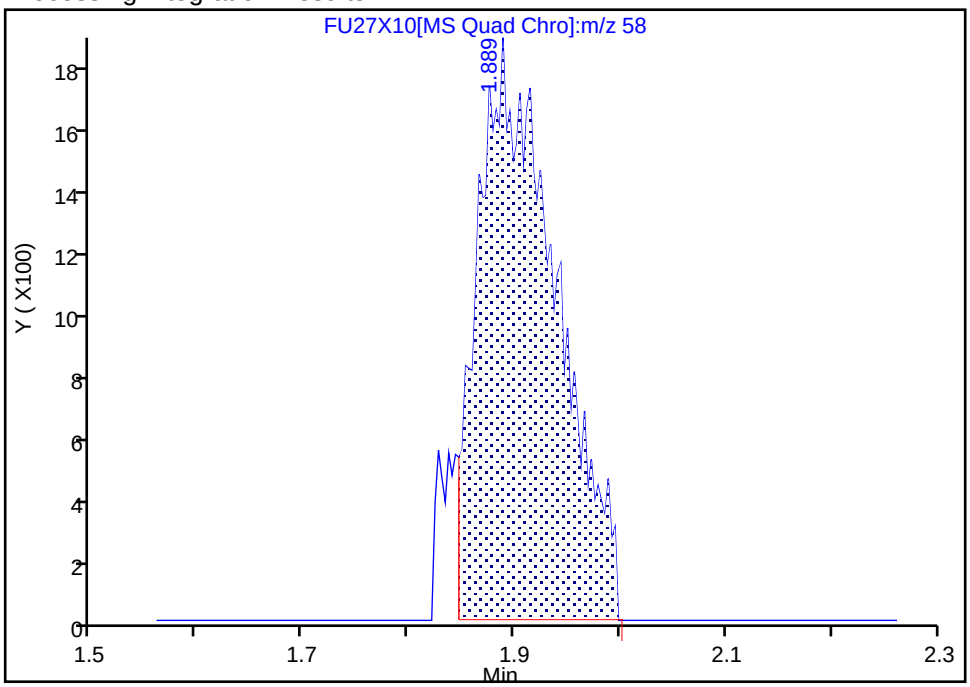
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X10.D
Injection Date: 27-Jun-2024 19:16:56 Instrument ID: 15830
Lims ID: IC v10
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

11 Acetone, CAS: 67-64-1

Signal: 1

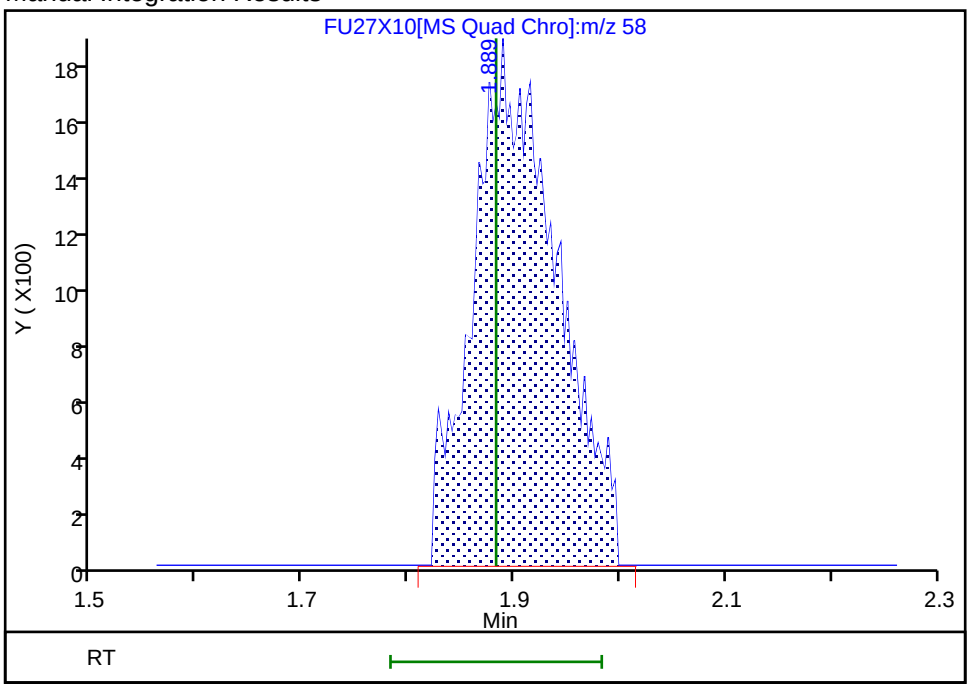
Processing Integration Results

RT: 1.89
Area: 9547
Amount: 23.572966
Amount Units: ug/l



Manual Integration Results

RT: 1.89
Area: 10186
Amount: 22.182400
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:03:50 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

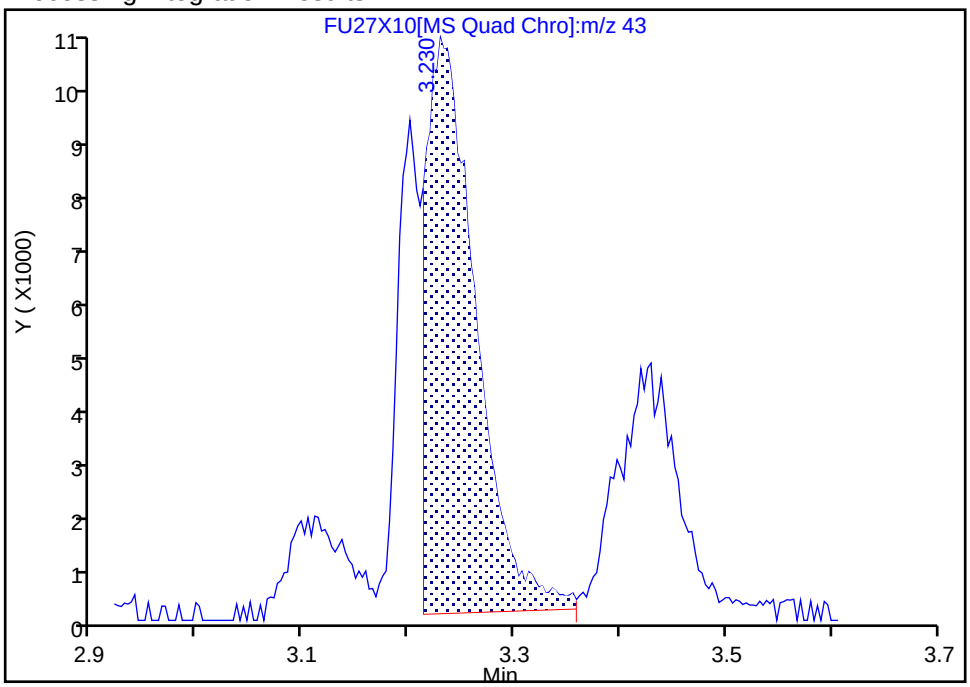
Data File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X10.D				
Injection Date:	27-Jun-2024 19:16:56	Instrument ID:	15830		
Lims ID:	IC v10				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

32 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

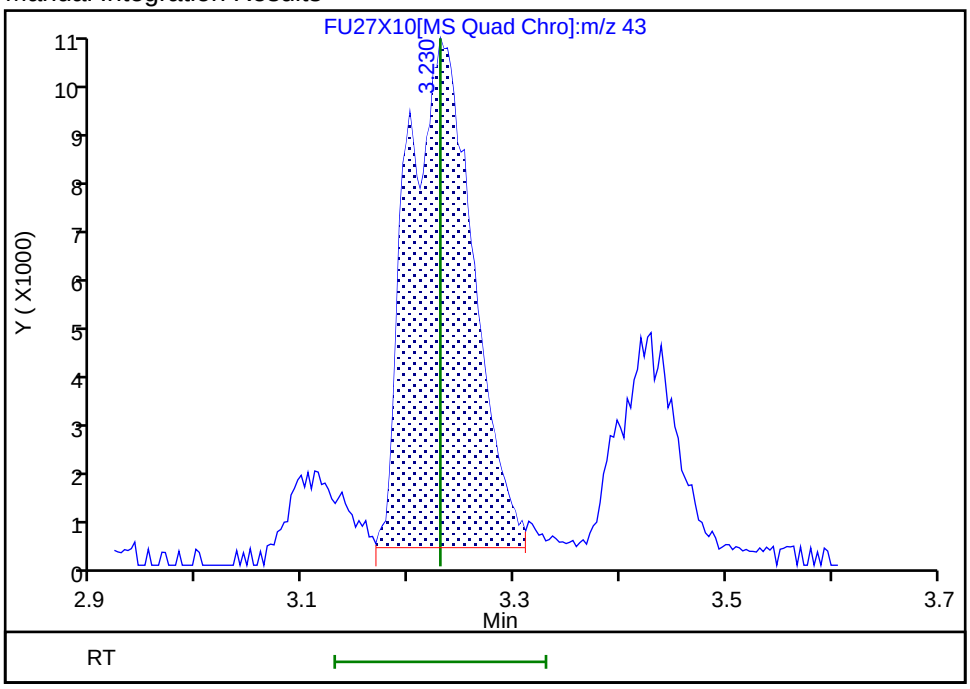
Processing Integration Results

RT: 3.23
Area: 34647
Amount: 16.215764
Amount Units: ug/l



Manual Integration Results

RT: 3.23
Area: 44798
Amount: 20.962464
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:04:17 -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

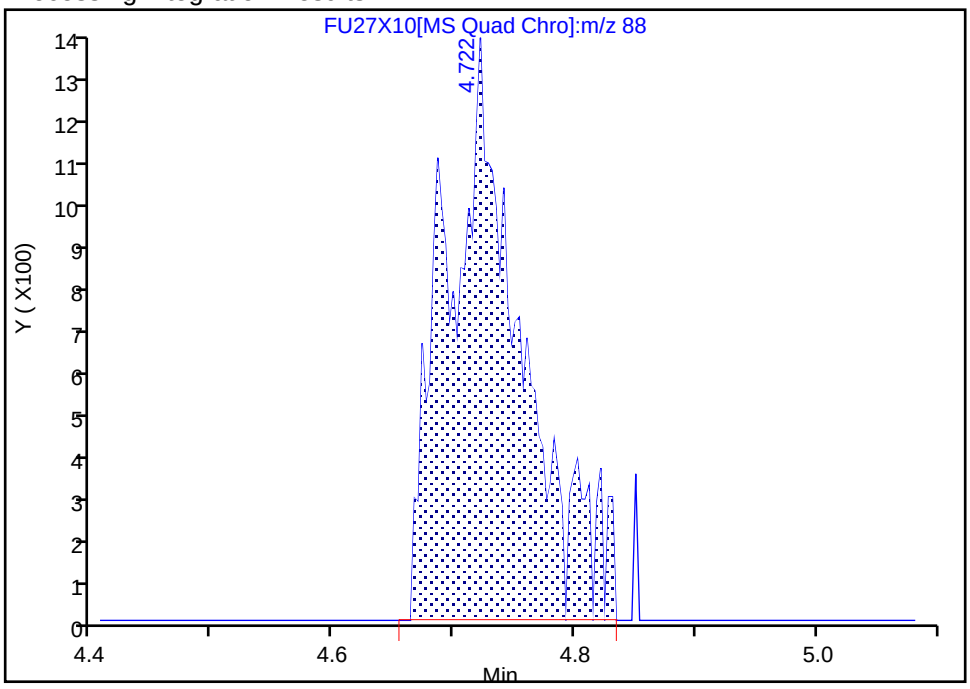
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X10.D
Injection Date: 27-Jun-2024 19:16:56 Instrument ID: 15830
Lims ID: IC v10
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

58 1,4-Dioxane, CAS: 123-91-1

Signal: 1

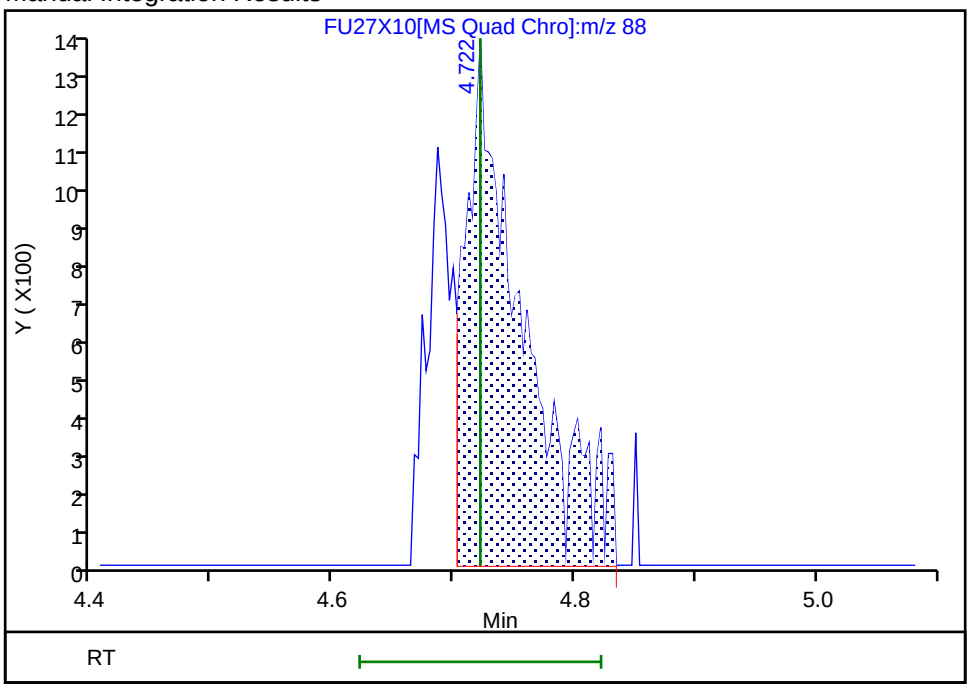
Processing Integration Results

RT: 4.72
Area: 5752
Amount: 120.7228
Amount Units: ug/l



Manual Integration Results

RT: 4.72
Area: 4345
Amount: 116.7355
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:04:44 -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\15830\20240627-117886.b\FU27X12.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 27-Jun-2024 19:46:04 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC v20
Misc. Info.: 410-0117886-007
Operator ID: MEC29284 Instrument ID: 15830
Sublist: chrom-MSVoa_15830_PT2*sub10

Method: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 27-Jun-2024 22:58:29 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1609

First Level Reviewer: K4WN Date: 27-Jun-2024 22:06:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.021	1.014	0.007	99	70371	20.0	20.4	
2 Chloromethane	50	1.127	1.124	0.003	99	73041	20.0	20.1	
3 Vinyl chloride	62	1.185	1.185	0.000	86	69207	20.0	20.8	
4 Butadiene	39	1.185	1.185	0.000	90	79185	20.0	20.7	
5 Bromomethane	94	1.371	1.365	0.006	91	49976	20.0	20.9	
6 Chloroethane	64	1.400	1.397	0.003	99	41190	20.0	20.8	
16 Dichlorofluoromethane	67	1.555	1.551	0.004	99	108167	20.0	20.0	
8 Pentane	43	1.558	1.558	0.000	94	76796	20.0	20.5	
7 Trichlorofluoromethane	101	1.590	1.583	0.007	94	87146	20.0	21.6	M
22 1,2-Dichloro-1,1,2-trifluoroetha	67	1.770	1.773	-0.003	97	57102	20.0	20.1	
9 Acrolein	56	1.786	1.786	0.000	99	63051	200.4	109.1	
10 1,1-Dichloroethene	96	1.857	1.850	0.007	96	43956	20.0	20.9	
11 Acetone	58	1.886	1.882	0.004	93	13611	40.0	28.3	M
12 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.911	1.908	0.003	92	51245	20.0	21.1	
13 Iodomethane	142	1.976	1.966	0.010	97	85159	20.0	20.5	
15 Isopropyl alcohol	45	1.995	1.985	0.010	29	41693	100.0	103.4	M
14 Carbon disulfide	76	2.014	2.018	-0.004	99	136066	20.0	20.4	
17 3-Chloro-1-propene	41	2.124	2.117	0.007	89	71892	20.0	18.8	
18 Methyl acetate	43	2.124	2.117	0.007	69	57706	20.0	18.6	
19 Methylene Chloride	84	2.233	2.227	0.006	92	48034	20.0	19.8	
* 20 t-Butyl alcohol-d10 (IS)	65	2.259	2.249	0.010	95	241007	250.0	250.0	
21 2-Methyl-2-propanol	59	2.339	2.323	0.016	97	92722	100.0	101.0	
23 Acrylonitrile	53	2.403	2.407	-0.004	99	82585	50.0	50.7	
24 trans-1,2-Dichloroethene	96	2.432	2.432	0.000	98	45290	20.0	20.1	
25 Methyl tert-butyl ether	73	2.432	2.436	-0.004	91	131186	20.0	20.3	
26 Hexane	57	2.648	2.651	-0.003	93	56461	20.0	19.6	
27 1,1-Dichloroethane	63	2.776	2.773	0.003	95	78499	20.0	20.5	
28 Isopropyl ether	45	2.821	2.815	0.006	94	130642	20.0	20.2	
29 2-Chloro-1,3-butadiene	53	2.828	2.828	0.000	90	69353	20.0	20.4	
30 Tert-butyl ethyl ether	59	3.108	3.101	0.007	97	131241	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
32 2-Butanone (MEK)	43	3.233	3.230	0.003	67	61509	40.0	28.5	M
31 cis-1,2-Dichloroethene	96	3.233	3.230	0.003	80	49669	20.0	20.6	
33 2,2-Dichloropropane	77	3.249	3.252	-0.003	89	72045	20.0	20.4	
34 Propionitrile	54	3.284	3.275	0.009	98	73216	100.0	96.2	
35 Methacrylonitrile	67	3.390	3.394	-0.004	94	71046	50.0	49.2	
36 Chlorobromomethane	128	3.410	3.413	-0.003	93	23483	20.0	20.7	
37 Tetrahydrofuran	71	3.426	3.426	0.000	90	65695	100.0	93.6	
39 Chloroform	83	3.509	3.506	0.003	93	77253	20.0	19.6	
$ 41 Dibromofluoromethane (Surr)	113	3.628	3.632	-0.004	94	110859	50.0	50.1	
40 1,1,1-Trichloroethane	97	3.635	3.635	0.000	79	72595	20.0	20.3	
42 Cyclohexane	56	3.690	3.689	0.001	91	86020	20.0	20.0	
43 Carbon tetrachloride	117	3.751	3.754	-0.003	94	62816	20.0	20.7	
44 1,1-Dichloropropene	75	3.754	3.754	0.000	95	60230	20.0	20.8	
45 Isobutyl alcohol	41	3.892	3.895	-0.003	95	62530	250.0	233.3	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.895	3.895	0.000	75	28774	50.0	50.7	
47 Benzene	78	3.908	3.908	0.000	97	176619	20.0	20.4	
48 1,2-Dichloroethane	62	3.960	3.960	0.000	97	54762	20.0	20.4	
49 Tert-amyl methyl ether	73	4.034	4.037	-0.003	98	125795	20.0	20.2	
* 50 Fluorobenzene (IS)	96	4.159	4.159	0.000	99	441052	50.0	50.0	
51 n-Heptane	43	4.175	4.175	0.000	92	46281	20.0	18.8	
52 n-Butanol	56	4.419	4.416	0.003	90	48466	250.0	249.0	
53 Trichloroethene	95	4.455	4.455	0.000	98	47494	20.0	20.6	
54 Methylcyclohexane	83	4.644	4.648	-0.004	90	82400	20.0	20.0	
55 1,2-Dichloropropane	63	4.667	4.667	0.000	97	41080	20.0	20.5	
56 2-ethoxy-2-methyl butane	87	4.686	4.689	-0.003	94	68012	20.0	20.3	
58 1,4-Dioxane	88	4.722	4.722	0.000	90	9789	250.0	251.0	M
57 Dibromomethane	93	4.734	4.734	0.000	96	27128	20.0	20.2	
59 Methyl methacrylate	69	4.741	4.741	0.000	91	38441	20.0	19.6	
60 Dichlorobromomethane	83	4.895	4.895	0.000	99	49629	20.0	19.8	
61 2-Nitropropane	41	5.085	5.085	0.000	99	102501	100.0	89.0	
62 2-Chloroethyl vinyl ether	63	5.146	5.152	-0.006	91	27355	20.0	20.1	
63 cis-1,3-Dichloropropene	75	5.265	5.268	-0.003	95	62722	20.0	19.8	
64 4-Methyl-2-pentanone (MIBK)	43	5.410	5.410	0.000	96	101907	40.0	29.1	
$ 65 Toluene-d8 (Surr)	98	5.484	5.484	0.000	93	416830	50.0	50.0	
66 Toluene	92	5.538	5.538	0.000	98	107372	20.0	20.3	
67 trans-1,3-Dichloropropene	75	5.741	5.741	0.000	93	55624	20.0	19.9	
68 Ethyl methacrylate	69	5.802	5.799	0.003	89	62859	20.0	19.9	
69 1,1,2-Trichloroethane	97	5.886	5.886	0.000	90	35240	20.0	20.0	
70 Tetrachloroethene	166	5.931	5.931	0.000	97	47346	20.0	20.1	
71 1,3-Dichloropropane	76	5.998	5.998	0.000	91	58033	20.0	20.3	
73 2-Hexanone	43	6.053	6.053	0.000	97	77564	40.0	28.1	
74 Chlorodibromomethane	129	6.146	6.146	0.000	90	38029	20.0	19.9	
S 72 1,2-Dichloroethene, Total	100				0			40.7	
75 Ethylene Dibromide	107	6.217	6.217	0.000	99	38383	20.0	20.0	
* 76 Chlorobenzene-d5 (IS)	117	6.532	6.532	0.000	84	313852	50.0	50.0	
77 Chlorobenzene	112	6.551	6.551	0.000	95	117921	20.0	20.2	
78 1-Chlorohexane	91	6.558	6.558	0.000	96	58290	20.0	20.3	
79 1,1,1,2-Tetrachloroethane	131	6.615	6.615	0.000	96	43903	20.0	20.4	
80 Ethylbenzene	91	6.622	6.622	0.000	98	208757	20.0	20.1	
81 m-Xylene & p-Xylene	106	6.705	6.709	-0.004	98	167462	40.0	40.6	
82 o-Xylene	106	6.940	6.943	-0.003	97	87327	20.0	20.6	
83 Styrene	104	6.953	6.956	-0.003	95	129739	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
84 Bromoform	173	7.056	7.056	0.000	96	28733	20.0	19.4	
85 Isopropylbenzene	105	7.165	7.165	0.000	95	212664	20.0	20.3	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	91	152704	50.0	49.8	
87 Bromobenzene	156	7.339	7.339	0.000	91	49172	20.0	20.3	
88 1,1,2,2-Tetrachloroethane	83	7.352	7.352	0.000	94	61264	20.0	19.2	
89 trans-1,4-Dichloro-2-butene	53	7.371	7.371	0.000	93	49234	50.0	50.4	
90 1,2,3-Trichloropropane	110	7.377	7.377	0.000	83	21190	20.0	20.1	
91 N-Propylbenzene	91	7.403	7.406	-0.003	99	243258	20.0	20.5	
92 2-Chlorotoluene	126	7.451	7.451	0.000	97	51503	20.0	20.5	
93 1,3,5-Trimethylbenzene	105	7.509	7.509	0.000	95	180164	20.0	20.1	
94 4-Chlorotoluene	126	7.519	7.522	-0.003	98	49522	20.0	20.7	
95 tert-Butylbenzene	134	7.683	7.683	0.000	93	36562	20.0	20.1	
96 1,2,4-Trimethylbenzene	105	7.715	7.715	0.000	97	183079	20.0	20.4	
97 sec-Butylbenzene	105	7.805	7.805	0.000	94	220873	20.0	20.4	
98 1,3-Dichlorobenzene	146	7.863	7.866	-0.003	98	92208	20.0	20.2	
99 4-Isopropyltoluene	119	7.889	7.889	0.000	97	194773	20.0	20.4	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	93	175916	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.921	7.921	0.000	96	92431	20.0	20.2	
102 1,2,3-Trimethylbenzene	105	7.937	7.937	0.000	97	185745	20.0	20.1	
103 Benzyl chloride	91	7.982	7.982	0.000	98	127471	20.0	20.0	
104 1,3-Diethylbenzene	119	8.040	8.040	0.000	96	109764	20.0	20.5	
105 p-Diethylbenzene	119	8.091	8.091	0.000	94	113998	20.0	20.5	
106 n-Butylbenzene	92	8.104	8.104	0.000	98	87501	20.0	20.4	
107 1,2-Dichlorobenzene	146	8.107	8.107	0.000	98	94610	20.0	20.3	
108 o-diethylbenzene	119	8.143	8.143	0.000	95	92310	20.0	20.5	
109 1,2-Dibromo-3-Chloropropane	75	8.516	8.516	0.000	87	22720	20.0	19.8	
110 1,3,5-Trichlorobenzene	180	8.612	8.612	0.000	98	66008	20.0	20.7	
111 1,2,4-Trichlorobenzene	180	8.930	8.930	0.000	94	65912	20.0	20.4	
112 Hexachlorobutadiene	225	9.001	9.001	0.000	97	25323	20.0	21.1	
113 Naphthalene	128	9.059	9.059	0.000	96	280954	20.0	20.4	
114 1,2,3-Trichlorobenzene	180	9.172	9.168	0.004	97	67426	20.0	20.6	
115 2-Methylnaphthalene	142	9.615	9.615	0.000	93	157702	20.0	20.8	
S 137 1,3-Dichloropropene, Total	100				0			39.7	
S 138 Xylenes, Total	106				0			61.2	
S 139 Total Diethylbenzene	1				0			61.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00189	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_00816	Amount Added:	2.00	Units: uL	
MSV_CCV_VOC#3_00185	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00181	Amount Added:	4.00	Units: uL	
MSV_Cent_ISSS_00027	Amount Added:	5.00	Units: uL	Run Reagent

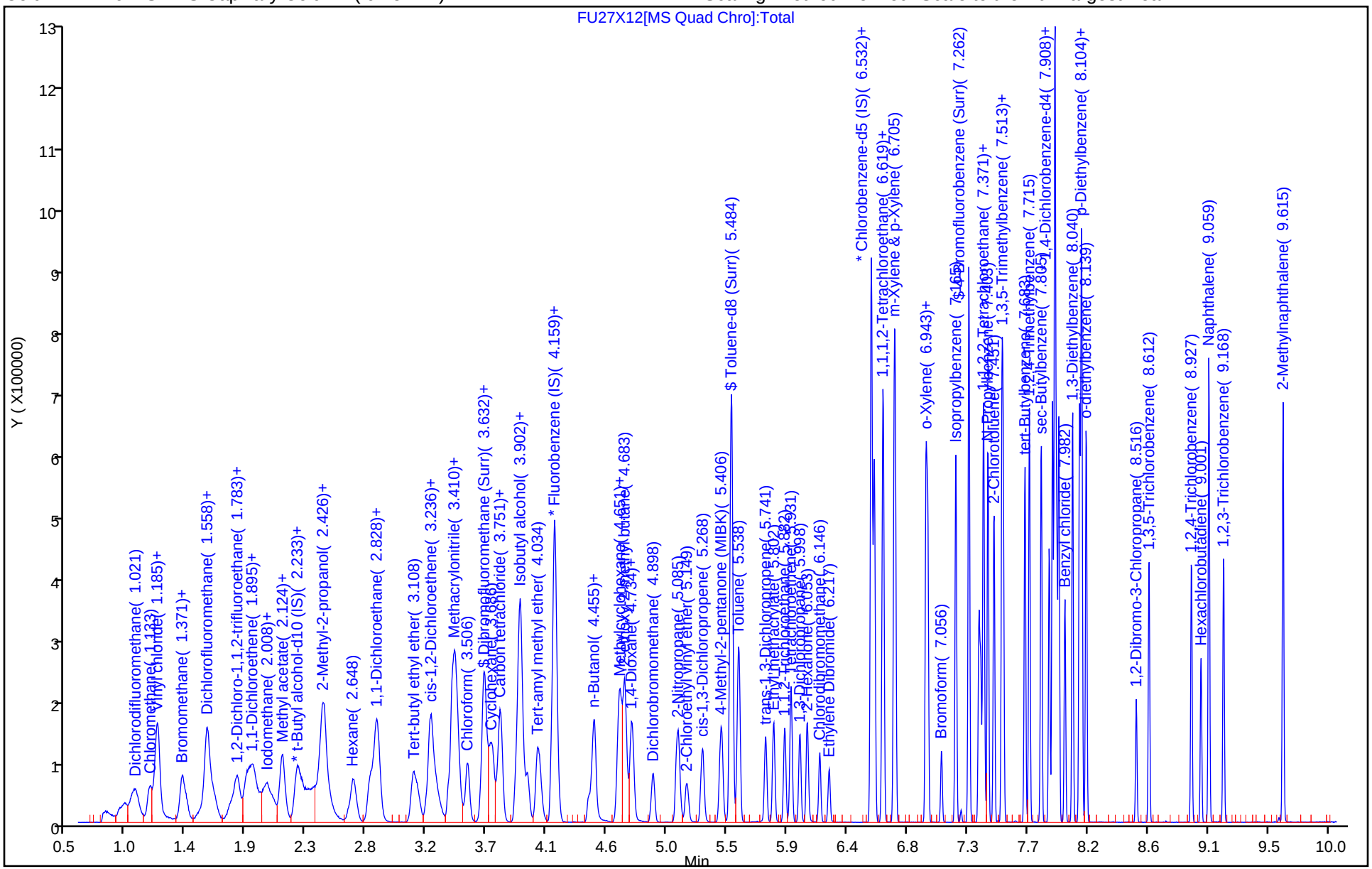
Report Date: 27-Jun-2024 22:58:29 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X12.D

Injection Date:	27-Jun-2024 19:46:04	Instrument ID:	15830	Operator ID:	MEC29284
Lims ID:	IC v20			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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

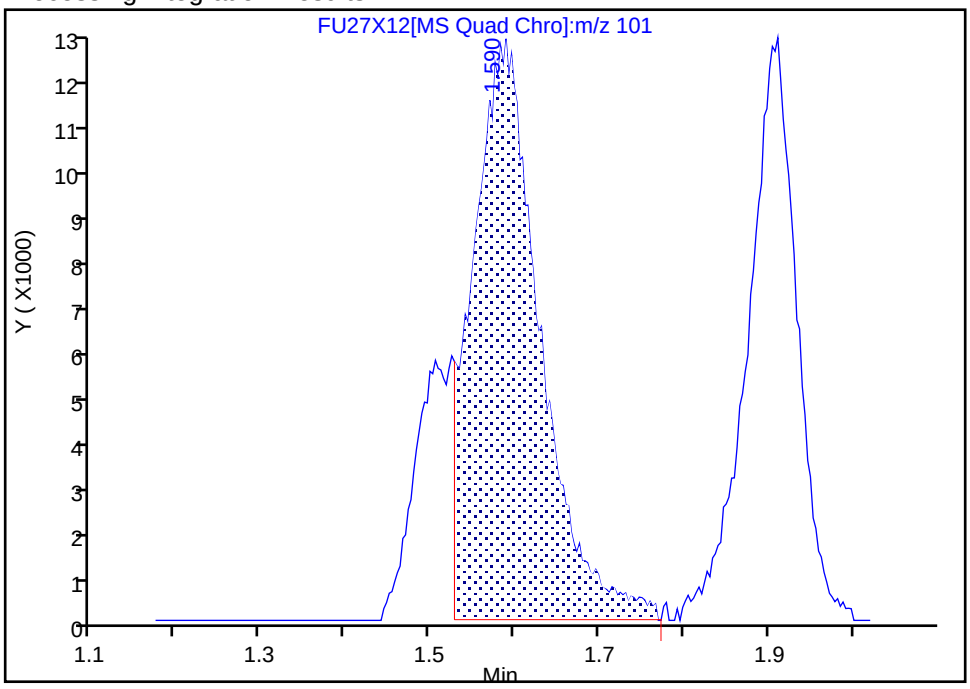
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X12.D
Injection Date: 27-Jun-2024 19:46:04 Instrument ID: 15830
Lims ID: IC v20
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

7 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

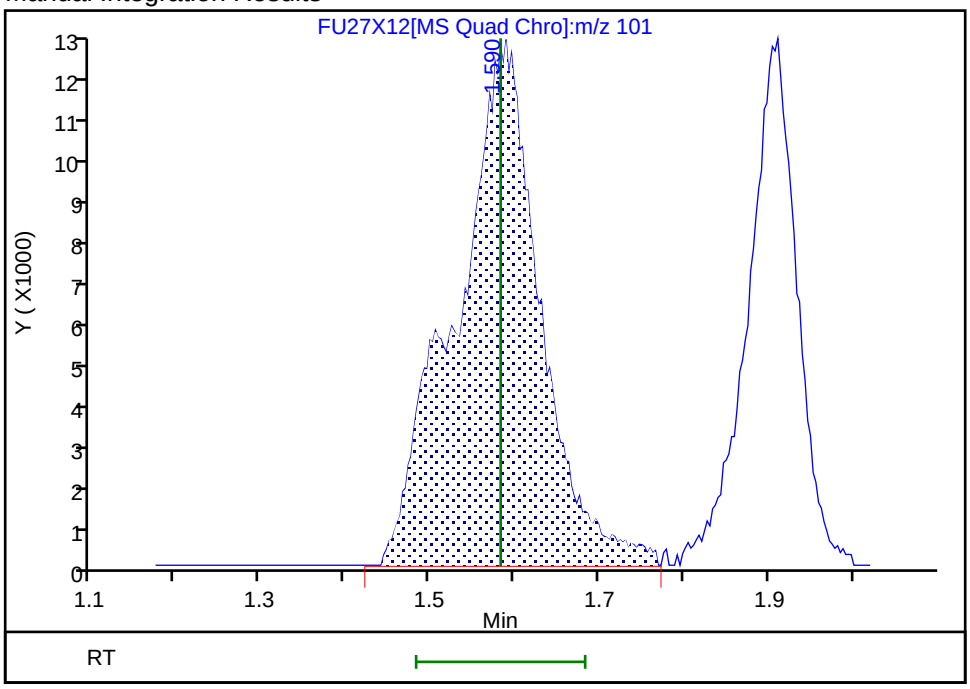
Processing Integration Results

RT: 1.59
Area: 70243
Amount: 18.449050
Amount Units: ug/l



Manual Integration Results

RT: 1.59
Area: 87146
Amount: 21.588393
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:05:23 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

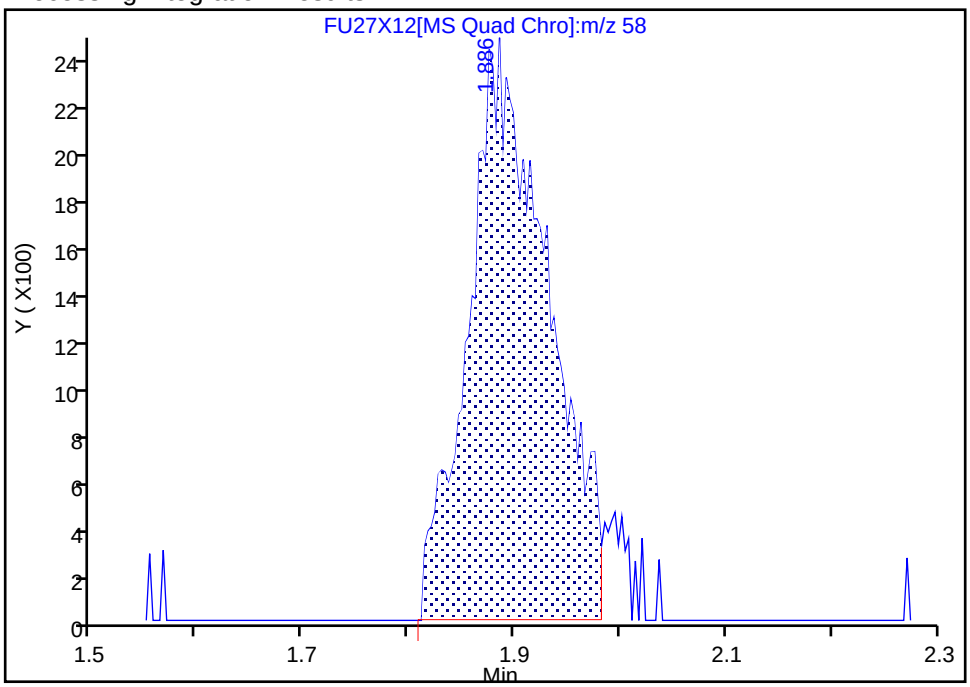
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X12.D
Injection Date: 27-Jun-2024 19:46:04 Instrument ID: 15830
Lims ID: IC v20
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

11 Acetone, CAS: 67-64-1

Signal: 1

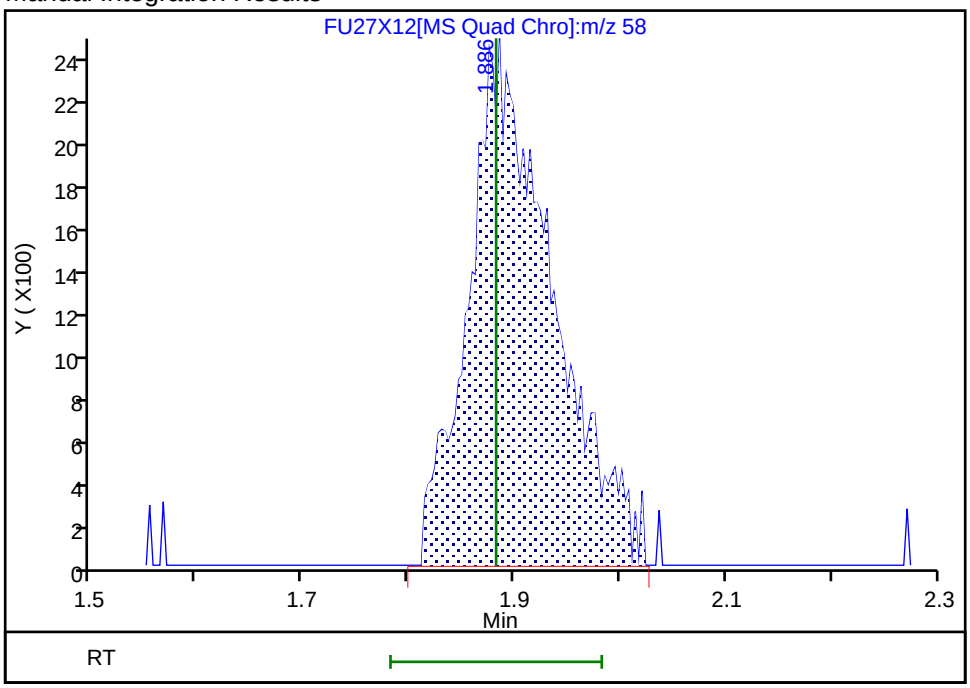
Processing Integration Results

RT: 1.89
Area: 12902
Amount: 30.064262
Amount Units: ug/l



Manual Integration Results

RT: 1.89
Area: 13611
Amount: 28.288386
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:05:30 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

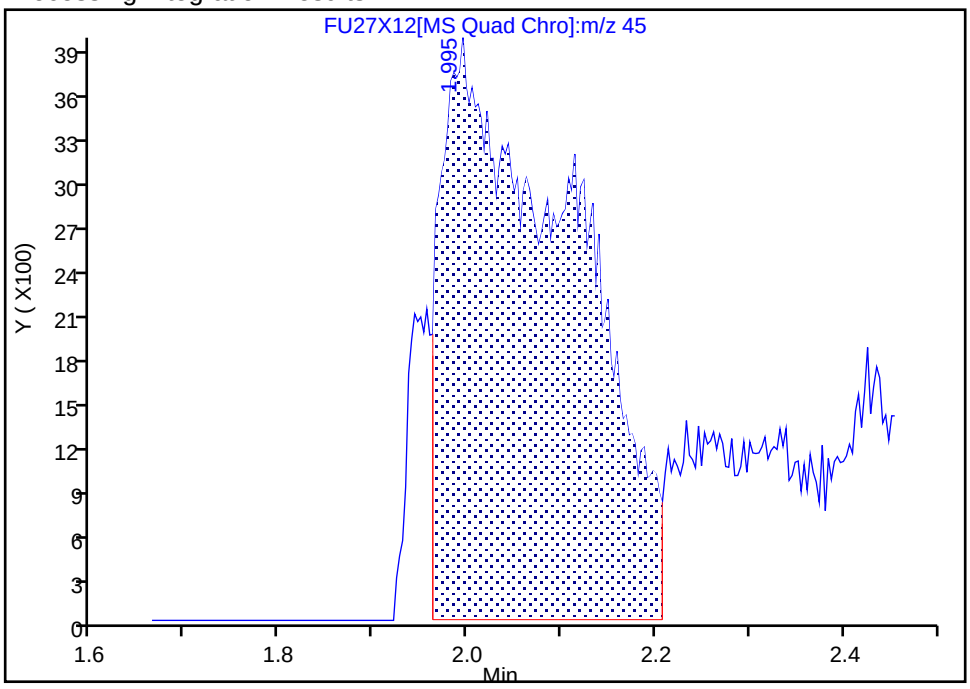
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X12.D
Injection Date: 27-Jun-2024 19:46:04 Instrument ID: 15830
Lims ID: IC v20
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

15 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

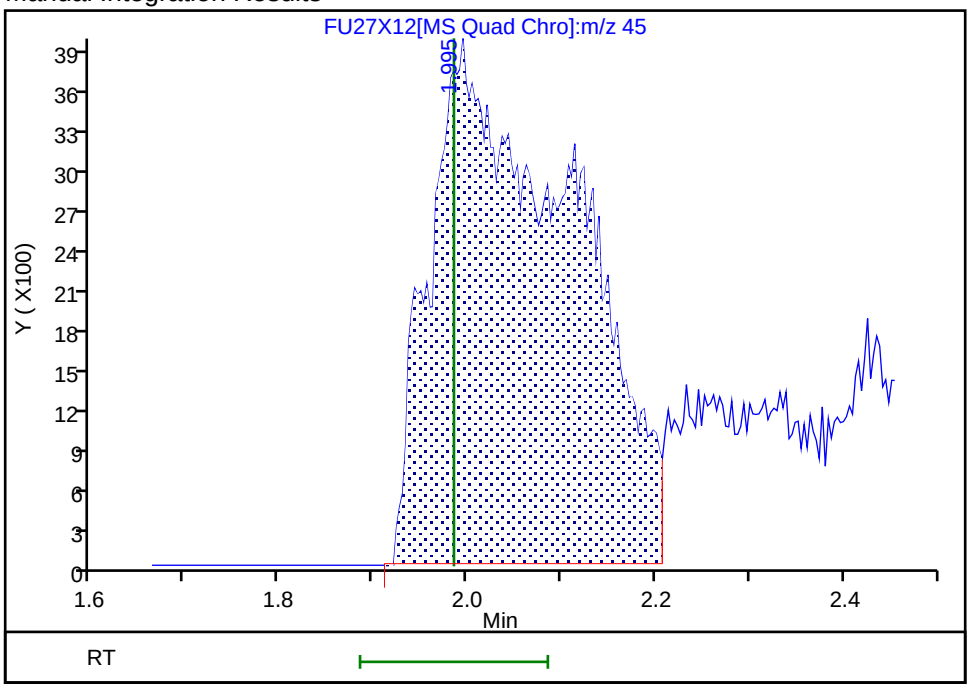
Processing Integration Results

RT: 2.00
Area: 38246
Amount: 99.511507
Amount Units: ug/l



Manual Integration Results

RT: 2.00
Area: 41693
Amount: 103.4174
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:05:46 -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

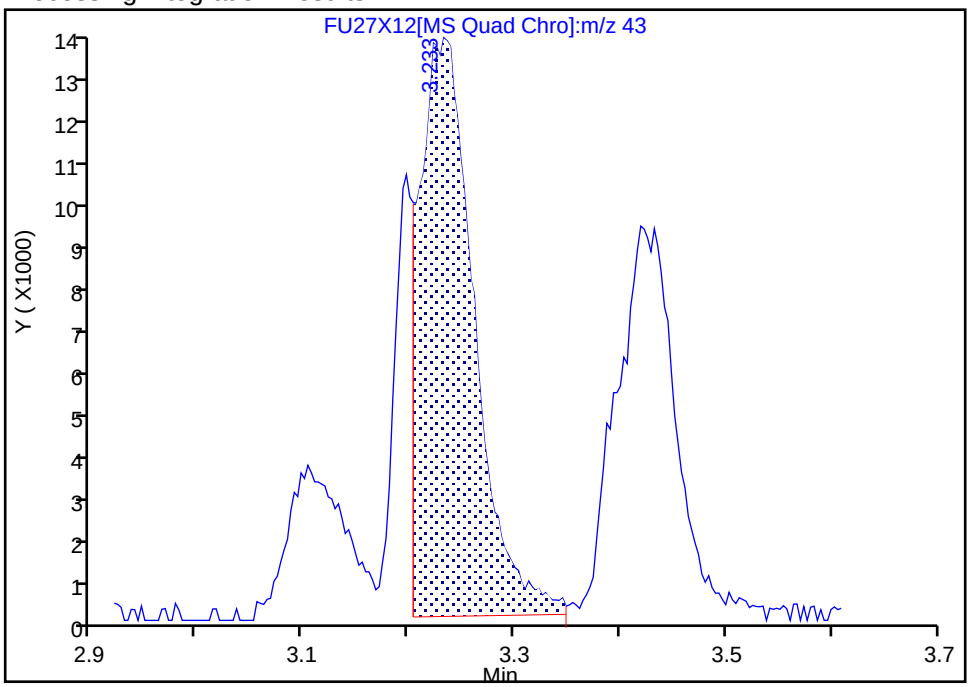
Data File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X12.D				
Injection Date:	27-Jun-2024 19:46:04	Instrument ID:	15830		
Lims ID:	IC v20				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

32 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

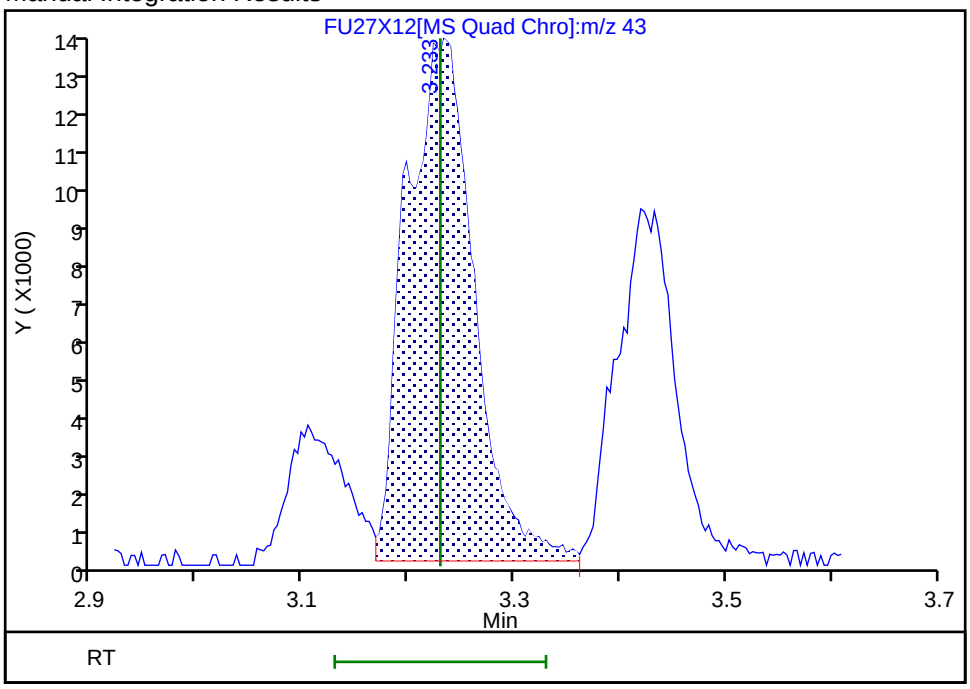
Processing Integration Results

RT: 3.23
Area: 49939
Amount: 22.363845
Amount Units: ug/l



Manual Integration Results

RT: 3.23
Area: 61509
Amount: 28.474142
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:13:51 -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

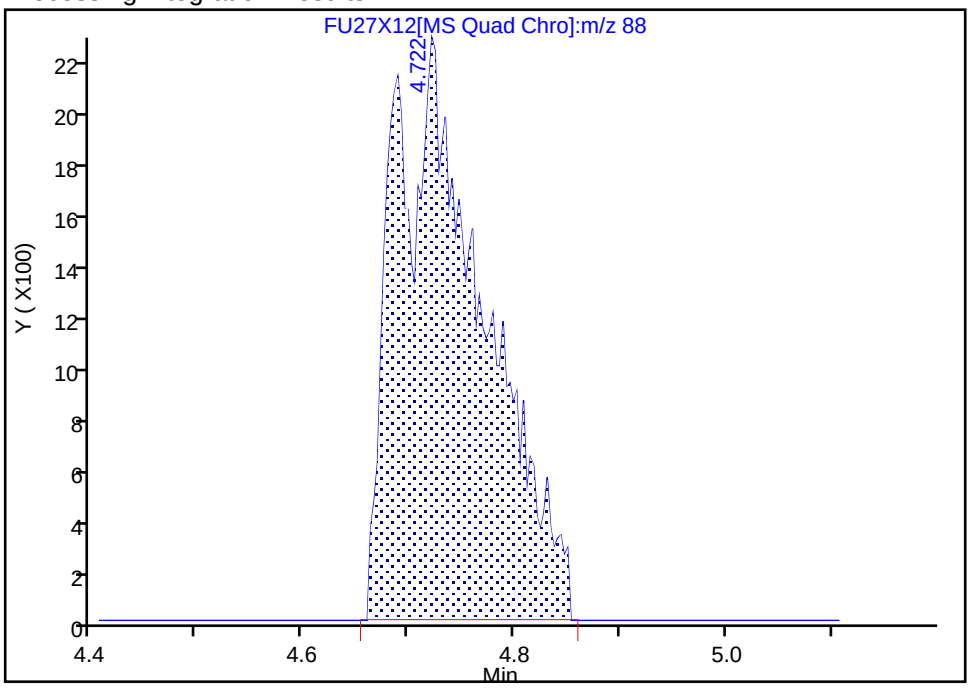
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X12.D
Injection Date: 27-Jun-2024 19:46:04 Instrument ID: 15830
Lims ID: IC v20
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

58 1,4-Dioxane, CAS: 123-91-1

Signal: 1

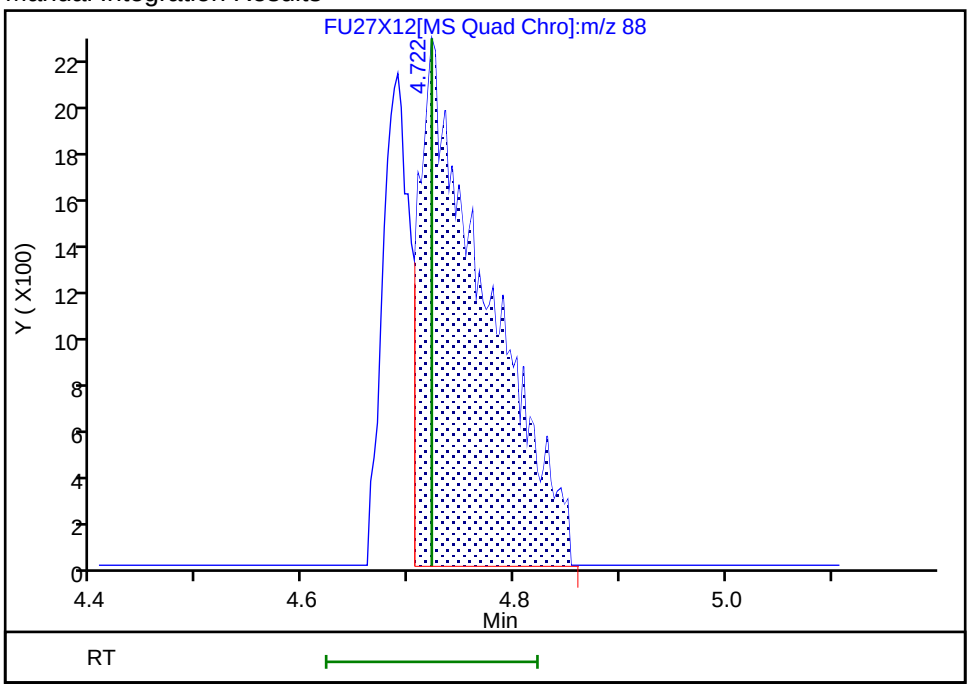
Processing Integration Results

RT: 4.72
Area: 13307
Amount: 277.4658
Amount Units: ug/l



Manual Integration Results

RT: 4.72
Area: 9789
Amount: 250.9948
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:06:28 -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\15830\20240627-117886.b\FU27X14.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 27-Jun-2024 20:14:56 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC v50
Misc. Info.: 410-0117886-008
Operator ID: MEC29284 Instrument ID: 15830
Sublist: chrom-MSVoa_15830_PT2*sub10

Method: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 27-Jun-2024 22:58:35 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1609

First Level Reviewer: K4WN Date: 27-Jun-2024 21:56:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.014	1.014	0.000	99	184327	50.0	52.6	
2 Chloromethane	50	1.124	1.124	0.000	98	188118	50.0	50.8	M
3 Vinyl chloride	62	1.185	1.185	0.000	97	175728	50.0	51.9	
4 Butadiene	39	1.185	1.185	0.000	93	198332	50.0	50.9	
5 Bromomethane	94	1.365	1.365	0.000	90	126561	50.0	51.9	
6 Chloroethane	64	1.397	1.397	0.000	100	104152	50.0	51.6	
16 Dichlorofluoromethane	67	1.551	1.551	0.000	99	276540	50.0	50.3	
8 Pentane	43	1.558	1.558	0.000	96	191999	50.0	50.3	
7 Trichlorofluoromethane	101	1.583	1.583	0.000	97	223660	50.0	54.4	
22 1,2-Dichloro-1,1,2-trifluoroetha	67	1.773	1.773	0.000	95	147080	50.0	50.8	
9 Acrolein	56	1.786	1.786	0.000	99	306388	501.1	554.5	
10 1,1-Dichloroethene	96	1.850	1.850	0.000	98	107988	50.0	50.5	
11 Acetone	58	1.882	1.882	0.000	100	50070	100.0	108.9	
12 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.908	1.908	0.000	91	128029	50.0	51.9	
13 Iodomethane	142	1.966	1.966	0.000	98	210067	50.0	49.7	
15 Isopropyl alcohol	45	1.985	1.985	0.000	95	91174	250.0	236.6	
14 Carbon disulfide	76	2.018	2.018	0.000	99	342692	50.0	50.5	
17 3-Chloro-1-propene	41	2.117	2.117	0.000	90	178422	50.0	45.9	
18 Methyl acetate	43	2.117	2.117	0.000	84	169092	50.0	53.6	
19 Methylene Chloride	84	2.227	2.227	0.000	92	117037	50.0	47.4	
* 20 t-Butyl alcohol-d10 (IS)	65	2.249	2.249	0.000	93	230323	250.0	250.0	
21 2-Methyl-2-propanol	59	2.323	2.323	0.000	98	236360	250.0	269.4	
23 Acrylonitrile	53	2.407	2.407	0.000	99	208042	125.0	125.5	
24 trans-1,2-Dichloroethene	96	2.432	2.432	0.000	99	112478	50.0	49.1	
25 Methyl tert-butyl ether	73	2.436	2.436	0.000	90	330791	50.0	50.2	
26 Hexane	57	2.651	2.651	0.000	93	145975	50.0	49.9	
27 1,1-Dichloroethane	63	2.773	2.773	0.000	97	194026	50.0	49.9	
28 Isopropyl ether	45	2.815	2.815	0.000	97	325456	50.0	49.3	
29 2-Chloro-1,3-butadiene	53	2.828	2.828	0.000	92	170943	50.0	49.4	
30 Tert-butyl ethyl ether	59	3.101	3.101	0.000	98	327337	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
32 2-Butanone (MEK)	43	3.230	3.230	0.000	100	225079	100.0	102.4	
31 cis-1,2-Dichloroethene	96	3.230	3.230	0.000	81	122406	50.0	49.9	
33 2,2-Dichloropropane	77	3.252	3.252	0.000	88	176926	50.0	49.1	
34 Propionitrile	54	3.275	3.275	0.000	99	190825	250.0	262.3	
35 Methacrylonitrile	67	3.394	3.394	0.000	94	184001	125.0	125.3	
36 Chlorobromomethane	128	3.413	3.413	0.000	93	59963	50.0	52.0	
37 Tetrahydrofuran	71	3.426	3.426	0.000	85	171219	250.0	255.4	
39 Chloroform	83	3.506	3.506	0.000	93	189284	50.0	47.2	
$ 41 Dibromofluoromethane (Surr)	113	3.632	3.632	0.000	94	112910	50.0	50.2	
40 1,1,1-Trichloroethane	97	3.635	3.635	0.000	91	180759	50.0	49.6	
42 Cyclohexane	56	3.689	3.689	0.000	90	214522	50.0	48.9	
43 Carbon tetrachloride	117	3.754	3.754	0.000	74	156474	50.0	50.7	
44 1,1-Dichloropropene	75	3.754	3.754	0.000	96	151422	50.0	51.3	
45 Isobutyl alcohol	41	3.895	3.895	0.000	94	155439	625.0	606.8	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.895	3.895	0.000	81	28384	50.0	49.2	
47 Benzene	78	3.908	3.908	0.000	97	437571	50.0	49.6	
48 1,2-Dichloroethane	62	3.960	3.960	0.000	97	138732	50.0	50.7	
49 Tert-amyl methyl ether	73	4.037	4.037	0.000	97	317440	50.0	50.1	
* 50 Fluorobenzene (IS)	96	4.159	4.159	0.000	98	448911	50.0	50.0	
51 n-Heptane	43	4.175	4.175	0.000	90	119132	50.0	47.6	
52 n-Butanol	56	4.416	4.416	0.000	89	120889	625.0	649.8	
53 Trichloroethene	95	4.455	4.455	0.000	97	115859	50.0	49.3	
54 Methylcyclohexane	83	4.648	4.648	0.000	90	212561	50.0	50.8	
55 1,2-Dichloropropane	63	4.667	4.667	0.000	96	104729	50.0	51.4	
56 2-ethoxy-2-methyl butane	87	4.689	4.689	0.000	94	173259	50.0	50.8	
58 1,4-Dioxane	88	4.722	4.722	0.000	76	22339	625.0	599.4	M
57 Dibromomethane	93	4.734	4.734	0.000	96	70188	50.0	51.4	
59 Methyl methacrylate	69	4.741	4.741	0.000	92	99180	50.0	49.7	
60 Dichlorobromomethane	83	4.895	4.895	0.000	99	129161	50.0	50.6	
61 2-Nitropropane	41	5.085	5.085	0.000	99	283799	250.0	257.7	
62 2-Chloroethyl vinyl ether	63	5.152	5.152	0.000	91	71246	50.0	51.4	
63 cis-1,3-Dichloropropene	75	5.268	5.268	0.000	95	162940	50.0	50.7	
64 4-Methyl-2-pentanone (MIBK)	43	5.410	5.410	0.000	97	409677	100.0	101.5	
$ 65 Toluene-d8 (Surr)	98	5.484	5.484	0.000	93	426587	50.0	50.1	
66 Toluene	92	5.538	5.538	0.000	98	269120	50.0	49.8	
67 trans-1,3-Dichloropropene	75	5.741	5.741	0.000	93	143743	50.0	50.2	
68 Ethyl methacrylate	69	5.799	5.799	0.000	89	164454	50.0	50.9	
69 1,1,2-Trichloroethane	97	5.886	5.886	0.000	91	90180	50.0	50.0	
70 Tetrachloroethene	166	5.931	5.931	0.000	97	121497	50.0	50.4	
71 1,3-Dichloropropane	76	5.998	5.998	0.000	91	149611	50.0	51.1	
73 2-Hexanone	43	6.053	6.053	0.000	96	298530	100.0	105.5	
74 Chlorodibromomethane	129	6.146	6.146	0.000	90	101357	50.0	51.8	
75 Ethylene Dibromide	107	6.217	6.217	0.000	98	100477	50.0	51.1	
* 76 Chlorobenzene-d5 (IS)	117	6.532	6.532	0.000	84	321111	50.0	50.0	
77 Chlorobenzene	112	6.551	6.551	0.000	95	298900	50.0	49.9	
78 1-Chlorohexane	91	6.558	6.558	0.000	96	147350	50.0	50.1	
79 1,1,1,2-Tetrachloroethane	131	6.615	6.615	0.000	96	113660	50.0	51.6	
80 Ethylbenzene	91	6.622	6.622	0.000	98	530904	50.0	50.0	
81 m-Xylene & p-Xylene	106	6.709	6.709	0.000	99	424266	100.0	100.5	
82 o-Xylene	106	6.943	6.943	0.000	96	220275	50.0	50.8	
83 Styrene	104	6.956	6.956	0.000	94	331222	50.0	50.9	
84 Bromoform	173	7.056	7.056	0.000	97	80259	50.0	53.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Isopropylbenzene	105	7.165	7.165	0.000	95	549782	50.0	51.3	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	90	156927	50.0	50.0	
87 Bromobenzene	156	7.339	7.339	0.000	91	127760	50.0	51.7	
88 1,1,2,2-Tetrachloroethane	83	7.352	7.352	0.000	94	172118	50.0	52.9	
89 trans-1,4-Dichloro-2-butene	53	7.371	7.371	0.000	86	131091	125.0	131.7	
90 1,2,3-Trichloropropane	110	7.377	7.377	0.000	86	56261	50.0	52.4	
91 N-Propylbenzene	91	7.406	7.406	0.000	99	622261	50.0	51.4	
92 2-Chlorotoluene	126	7.451	7.451	0.000	97	131925	50.0	51.4	
93 1,3,5-Trimethylbenzene	105	7.509	7.509	0.000	95	479267	50.0	52.4	
94 4-Chlorotoluene	126	7.522	7.522	0.000	98	125063	50.0	51.3	
95 tert-Butylbenzene	134	7.683	7.683	0.000	92	99660	50.0	53.7	
96 1,2,4-Trimethylbenzene	105	7.715	7.715	0.000	97	473940	50.0	51.9	
97 sec-Butylbenzene	105	7.805	7.805	0.000	94	583281	50.0	52.9	
98 1,3-Dichlorobenzene	146	7.866	7.866	0.000	98	236219	50.0	50.8	
99 4-Isopropyltoluene	119	7.889	7.889	0.000	97	510540	50.0	52.6	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	93	179301	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.921	7.921	0.000	95	236951	50.0	50.8	
102 1,2,3-Trimethylbenzene	105	7.937	7.937	0.000	98	484389	50.0	51.5	
103 Benzyl chloride	91	7.982	7.982	0.000	98	335405	50.0	51.7	
104 1,3-Diethylbenzene	119	8.040	8.040	0.000	95	289816	50.0	53.1	
105 p-Diethylbenzene	119	8.091	8.091	0.000	94	299475	50.0	52.8	
106 n-Butylbenzene	92	8.104	8.104	0.000	98	232114	50.0	53.2	
107 1,2-Dichlorobenzene	146	8.107	8.107	0.000	98	245154	50.0	51.7	
108 o-diethylbenzene	119	8.143	8.143	0.000	95	242654	50.0	52.9	
109 1,2-Dibromo-3-Chloropropane	75	8.516	8.516	0.000	89	63641	50.0	54.5	
110 1,3,5-Trichlorobenzene	180	8.612	8.612	0.000	98	170158	50.0	52.4	
111 1,2,4-Trichlorobenzene	180	8.930	8.930	0.000	94	172500	50.0	52.3	
112 Hexachlorobutadiene	225	9.001	9.001	0.000	98	66329	50.0	54.2	
113 Naphthalene	128	9.059	9.059	0.000	97	740573	50.0	52.6	
114 1,2,3-Trichlorobenzene	180	9.168	9.168	0.000	96	172432	50.0	51.8	
115 2-Methylnaphthalene	142	9.615	9.615	0.000	93	419741	50.0	54.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00189	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_00816	Amount Added:	2.50	Units: uL	
MSV_CCV_VOC#3_00185	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00181	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00027	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 27-Jun-2024 22:58:36 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X14.D

Injection Date: 27-Jun-2024 20:14:56 Instrument ID: 15830 Operator ID: MEC29284

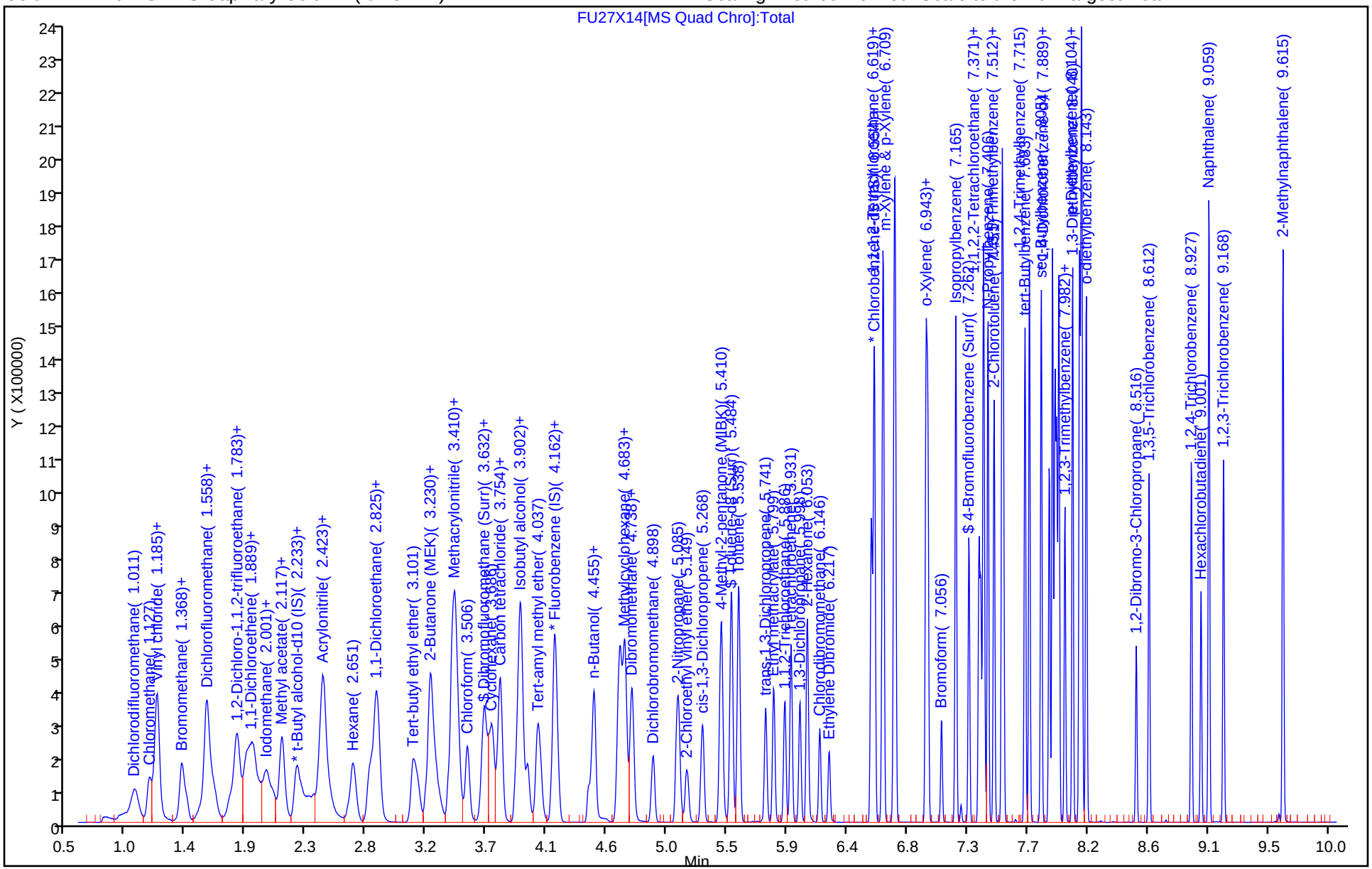
Lims ID: ICIS v50 Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSVoa_15830_PT2 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

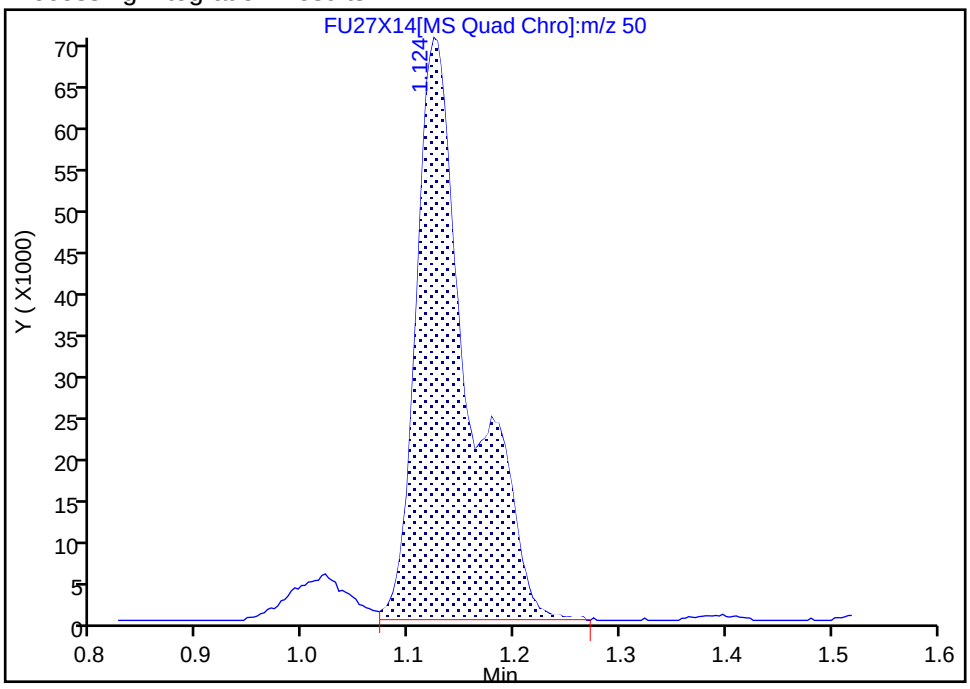
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X14.D
Injection Date: 27-Jun-2024 20:14:56 Instrument ID: 15830
Lims ID: ICIS v50
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Chloromethane, CAS: 74-87-3

Signal: 1

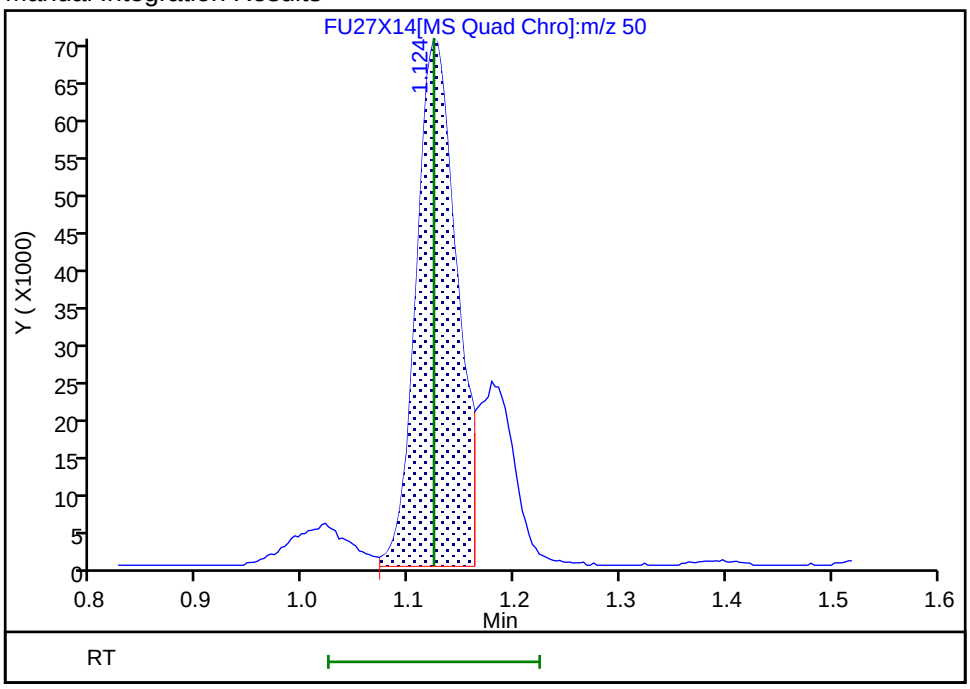
Processing Integration Results

RT: 1.12
Area: 244540
Amount: 60.886968
Amount Units: ug/l



Manual Integration Results

RT: 1.12
Area: 188118
Amount: 50.784655
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:07:12 -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

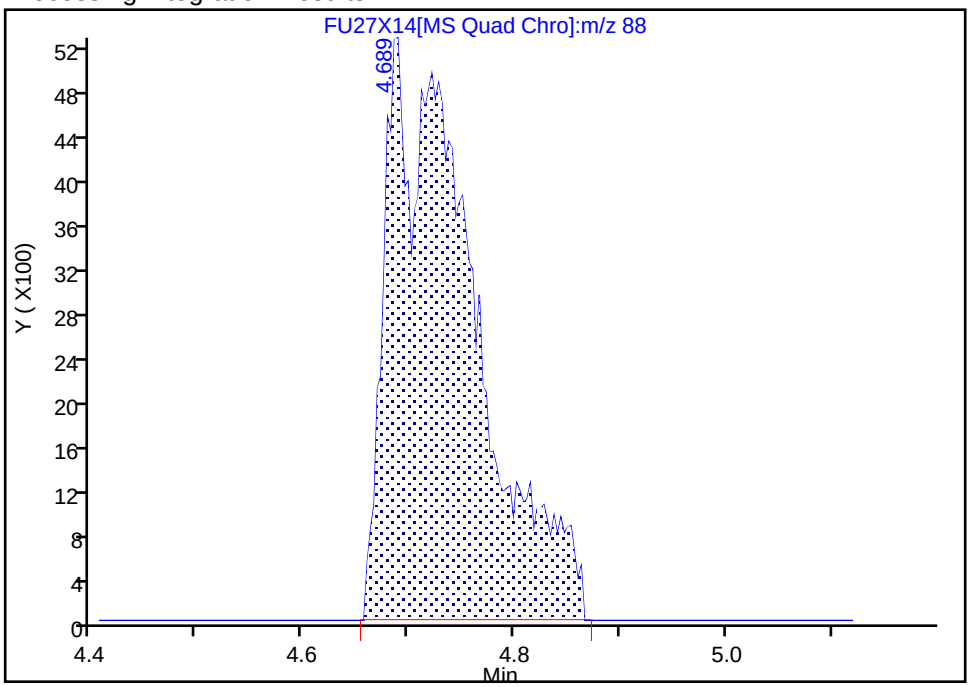
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X14.D
Injection Date: 27-Jun-2024 20:14:56 Instrument ID: 15830
Lims ID: ICIS v50
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

58 1,4-Dioxane, CAS: 123-91-1

Signal: 1

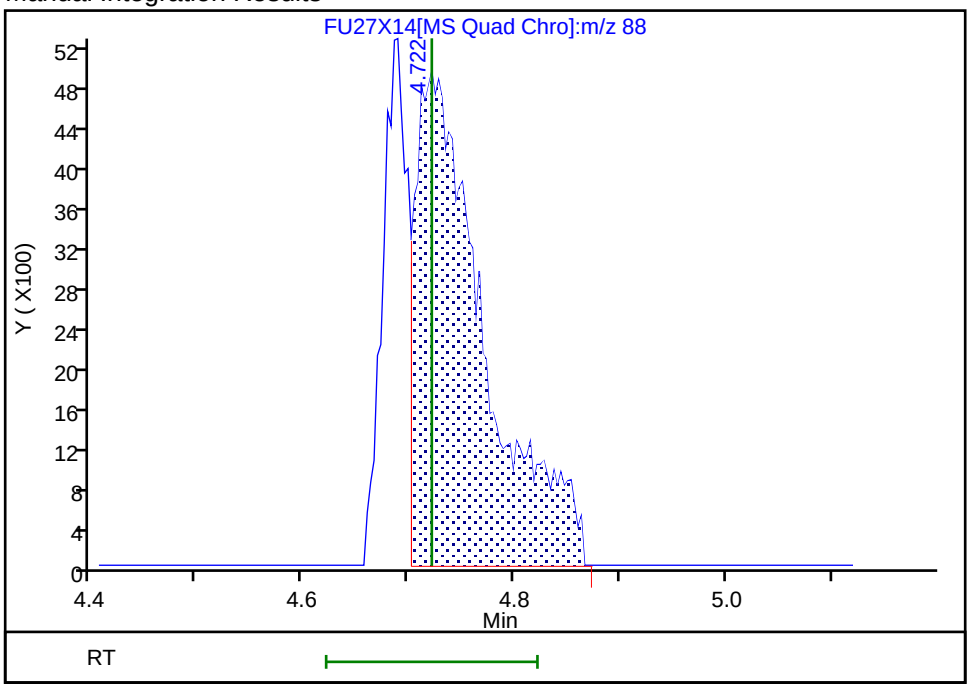
Processing Integration Results

RT: 4.69
Area: 30422
Amount: 697.8859
Amount Units: ug/l



Manual Integration Results

RT: 4.72
Area: 22339
Amount: 599.3526
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:07:31 -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\15830\20240627-117886.b\FU27X16.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 27-Jun-2024 20:44:16 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC v100
Misc. Info.: 410-0117886-009
Operator ID: MEC29284 Instrument ID: 15830
Sublist: chrom-MSVoa_15830_PT2*sub10

Method: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 27-Jun-2024 22:58:44 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1609

First Level Reviewer: K4WN Date: 27-Jun-2024 22:09:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.018	1.014	0.004	99	350117	100.0	98.1	
2 Chloromethane	50	1.127	1.124	0.003	98	363963	100.0	96.5	M
3 Vinyl chloride	62	1.185	1.185	0.000	85	341451	100.0	99.0	
4 Butadiene	39	1.188	1.185	0.003	92	378559	100.0	95.3	
5 Bromomethane	94	1.368	1.365	0.003	90	242626	100.0	97.7	
6 Chloroethane	64	1.400	1.397	0.003	100	199715	100.0	97.1	
16 Dichlorofluoromethane	67	1.555	1.551	0.004	99	536264	100.0	95.8	
8 Pentane	43	1.558	1.558	0.000	91	387108	100.0	99.6	
7 Trichlorofluoromethane	101	1.583	1.583	0.000	96	429625	100.0	102.7	M
22 1,2-Dichloro-1,1,2-trifluoroetha	67	1.780	1.773	0.007	89	282904	100.0	95.9	
9 Acrolein	56	1.783	1.786	-0.003	99	774796	1002.2	1410.4	
10 1,1-Dichloroethene	96	1.857	1.850	0.007	97	217731	100.0	100.0	
11 Acetone	58	1.879	1.882	-0.003	99	100457	200.0	219.7	
12 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.908	1.908	0.000	91	261928	100.0	104.2	
13 Iodomethane	142	1.973	1.966	0.007	97	425403	100.0	98.8	
15 Isopropyl alcohol	45	1.992	1.985	0.007	94	207577	500.0	541.9	
14 Carbon disulfide	76	2.024	2.018	0.006	99	689504	100.0	99.8	
17 3-Chloro-1-propene	41	2.120	2.117	0.003	89	344840	100.0	87.1	
18 Methyl acetate	43	2.114	2.117	-0.003	96	336860	100.0	104.9	
19 Methylene Chloride	84	2.233	2.227	0.006	91	237057	100.0	94.3	
* 20 t-Butyl alcohol-d10 (IS)	65	2.262	2.249	0.013	88	228995	250.0	250.0	
21 2-Methyl-2-propanol	59	2.317	2.323	-0.006	99	437215	500.0	501.3	
23 Acrylonitrile	53	2.407	2.407	0.000	98	419916	250.0	248.8	
24 trans-1,2-Dichloroethene	96	2.432	2.432	0.000	99	225994	100.0	96.8	
25 Methyl tert-butyl ether	73	2.429	2.436	-0.007	90	668585	100.0	99.6	
26 Hexane	57	2.651	2.651	0.000	93	286847	100.0	96.3	
27 1,1-Dichloroethane	63	2.773	2.773	0.000	95	389599	100.0	98.4	
28 Isopropyl ether	45	2.818	2.815	0.003	96	662358	100.0	98.6	
29 2-Chloro-1,3-butadiene	53	2.831	2.828	0.003	91	345030	100.0	97.9	
30 Tert-butyl ethyl ether	59	3.108	3.101	0.007	98	662113	100.0	100.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Butanone (MEK)	43	3.227	3.230	-0.004	89	453515	200.0	202.5	
31 cis-1,2-Dichloroethene	96	3.227	3.230	-0.004	79	246131	100.0	98.5	
33 2,2-Dichloropropane	77	3.255	3.252	0.003	88	350603	100.0	95.6	
34 Propionitrile	54	3.278	3.275	0.003	99	384361	500.0	531.4	
35 Methacrylonitrile	67	3.394	3.394	0.000	94	376476	250.0	251.7	
36 Chlorobromomethane	128	3.416	3.413	0.003	92	120367	100.0	102.6	
37 Tetrahydrofuran	71	3.419	3.426	-0.007	87	348878	500.0	523.3	
39 Chloroform	83	3.506	3.506	0.000	93	377975	100.0	92.6	
$ 41 Dibromofluoromethane (Surr)	113	3.628	3.632	-0.004	93	113055	50.0	49.3	
40 1,1,1-Trichloroethane	97	3.635	3.635	0.000	98	365709	100.0	98.6	
42 Cyclohexane	56	3.693	3.689	0.004	94	438566	100.0	98.3	
43 Carbon tetrachloride	117	3.757	3.754	0.003	92	325481	100.0	103.6	
44 1,1-Dichloropropene	75	3.754	3.754	0.000	96	307393	100.0	102.2	
45 Isobutyl alcohol	41	3.886	3.895	-0.009	86	283393	1250.0	1112.7	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.892	3.895	-0.003	79	29093	50.0	49.5	
47 Benzene	78	3.908	3.908	0.000	96	894609	100.0	99.6	
48 1,2-Dichloroethane	62	3.956	3.960	-0.004	97	280956	100.0	100.8	
49 Tert-amyl methyl ether	73	4.040	4.037	0.003	97	643929	100.0	99.8	
* 50 Fluorobenzene (IS)	96	4.159	4.159	0.000	98	457180	50.0	50.0	
51 n-Heptane	43	4.175	4.175	0.000	92	231110	100.0	90.7	
52 n-Butanol	56	4.416	4.416	0.000	89	227055	1250.0	1227.5	
53 Trichloroethene	95	4.455	4.455	0.000	98	236750	100.0	98.8	
54 Methylcyclohexane	83	4.644	4.648	-0.004	91	434403	100.0	101.9	
55 1,2-Dichloropropane	63	4.667	4.667	0.000	97	216560	100.0	104.4	
56 2-ethoxy-2-methyl butane	87	4.689	4.689	0.000	94	356468	100.0	102.6	
58 1,4-Dioxane	88	4.725	4.722	0.003	75	45566	1250.0	1229.6	M
57 Dibromomethane	93	4.738	4.734	0.004	96	144563	100.0	103.9	
59 Methyl methacrylate	69	4.744	4.741	0.003	91	207710	100.0	102.2	
60 Dichlorobromomethane	83	4.898	4.895	0.003	100	269831	100.0	103.8	
61 2-Nitropropane	41	5.085	5.085	0.000	99	585608	500.0	534.9	
62 2-Chloroethyl vinyl ether	63	5.152	5.152	0.000	93	152487	100.0	108.0	
63 cis-1,3-Dichloropropene	75	5.268	5.268	0.000	96	346077	100.0	105.6	
64 4-Methyl-2-pentanone (MIBK)	43	5.410	5.410	0.000	97	838746	200.0	201.3	
$ 65 Toluene-d8 (Surr)	98	5.487	5.484	0.003	93	440797	50.0	49.7	
66 Toluene	92	5.542	5.538	0.004	99	559367	100.0	99.3	
67 trans-1,3-Dichloropropene	75	5.741	5.741	0.000	93	306003	100.0	102.6	
68 Ethyl methacrylate	69	5.802	5.799	0.003	89	334263	100.0	99.3	
69 1,1,2-Trichloroethane	97	5.886	5.886	0.000	90	189068	100.0	100.7	
70 Tetrachloroethene	166	5.934	5.931	0.003	97	252164	100.0	100.5	
71 1,3-Dichloropropane	76	5.998	5.998	0.000	91	313010	100.0	102.6	
73 2-Hexanone	43	6.053	6.053	0.000	96	610870	200.0	207.3	
74 Chlorodibromomethane	129	6.146	6.146	0.000	90	216237	100.0	106.1	
S 72 1,2-Dichloroethene, Total	100				0			195.3	
75 Ethylene Dibromide	107	6.217	6.217	0.000	100	206144	100.0	100.6	
* 76 Chlorobenzene-d5 (IS)	117	6.532	6.532	0.000	83	334545	50.0	50.0	
77 Chlorobenzene	112	6.551	6.551	0.000	96	625012	100.0	100.2	
78 1-Chlorohexane	91	6.558	6.558	0.000	96	297593	100.0	97.2	
79 1,1,1,2-Tetrachloroethane	131	6.615	6.615	0.000	96	237189	100.0	103.3	
80 Ethylbenzene	91	6.622	6.622	0.000	98	1097450	100.0	99.3	
81 m-Xylene & p-Xylene	106	6.709	6.709	0.000	98	872613	200.0	198.5	
82 o-Xylene	106	6.943	6.943	0.000	96	452920	100.0	100.2	
83 Styrene	104	6.956	6.956	0.000	95	682590	100.0	100.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Bromoform	173	7.059	7.056	0.003	98	166910	100.0	105.8	
85 Isopropylbenzene	105	7.165	7.165	0.000	95	1123128	100.0	100.5	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	90	164113	50.0	50.2	
87 Bromobenzene	156	7.339	7.339	0.000	91	257629	100.0	101.4	
88 1,1,2,2-Tetrachloroethane	83	7.352	7.352	0.000	94	339475	100.0	101.4	
89 trans-1,4-Dichloro-2-butene	53	7.371	7.371	0.000	92	257642	250.0	251.5	
90 1,2,3-Trichloropropane	110	7.377	7.377	0.000	85	111113	100.0	100.6	
91 N-Propylbenzene	91	7.406	7.406	0.000	99	1268616	100.0	101.9	
92 2-Chlorotoluene	126	7.451	7.451	0.000	97	268555	100.0	101.7	
93 1,3,5-Trimethylbenzene	105	7.513	7.509	0.004	96	962367	100.0	102.4	
94 4-Chlorotoluene	126	7.522	7.522	0.000	98	258049	100.0	102.8	
95 tert-Butylbenzene	134	7.683	7.683	0.000	92	201950	100.0	105.9	
96 1,2,4-Trimethylbenzene	105	7.715	7.715	0.000	97	957302	100.0	102.0	
97 sec-Butylbenzene	105	7.805	7.805	0.000	94	1180012	100.0	104.1	
98 1,3-Dichlorobenzene	146	7.866	7.866	0.000	98	484495	100.0	101.3	
99 4-Isopropyltoluene	119	7.889	7.889	0.000	97	1026126	100.0	102.7	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	93	184449	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.921	7.921	0.000	95	485341	100.0	101.1	
102 1,2,3-Trimethylbenzene	105	7.937	7.937	0.000	98	991598	100.0	102.5	
103 Benzyl chloride	91	7.982	7.982	0.000	98	659920	100.0	98.9	
104 1,3-Diethylbenzene	119	8.040	8.040	0.000	95	582797	100.0	103.7	
105 p-Diethylbenzene	119	8.091	8.091	0.000	94	598452	100.0	102.6	
106 n-Butylbenzene	92	8.104	8.104	0.000	97	456255	100.0	101.6	
107 1,2-Dichlorobenzene	146	8.107	8.107	0.000	98	498858	100.0	102.2	
108 o-diethylbenzene	119	8.143	8.143	0.000	94	489334	100.0	103.7	
109 1,2-Dibromo-3-Chloropropane	75	8.516	8.516	0.000	87	124683	100.0	103.8	
110 1,3,5-Trichlorobenzene	180	8.612	8.612	0.000	97	337439	100.0	101.1	
111 1,2,4-Trichlorobenzene	180	8.927	8.930	-0.003	93	346369	100.0	102.2	
112 Hexachlorobutadiene	225	9.001	9.001	0.000	98	130371	100.0	103.6	
113 Naphthalene	128	9.059	9.059	0.000	97	1451727	100.0	100.3	
114 1,2,3-Trichlorobenzene	180	9.168	9.168	0.000	96	343121	100.0	100.2	
115 2-Methylnaphthalene	142	9.615	9.615	0.000	92	820195	100.0	103.2	
S 137 1,3-Dichloropropene, Total	100				0			208.2	
S 138 Xylenes, Total	106				0			298.7	
S 139 Total Diethylbenzene	1				0			310.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00189	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_00816	Amount Added:	2.50	Units: uL	
MSV_CCV_VOC#3_00185	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00181	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00027	Amount Added:	5.00	Units: uL	Run Reagent

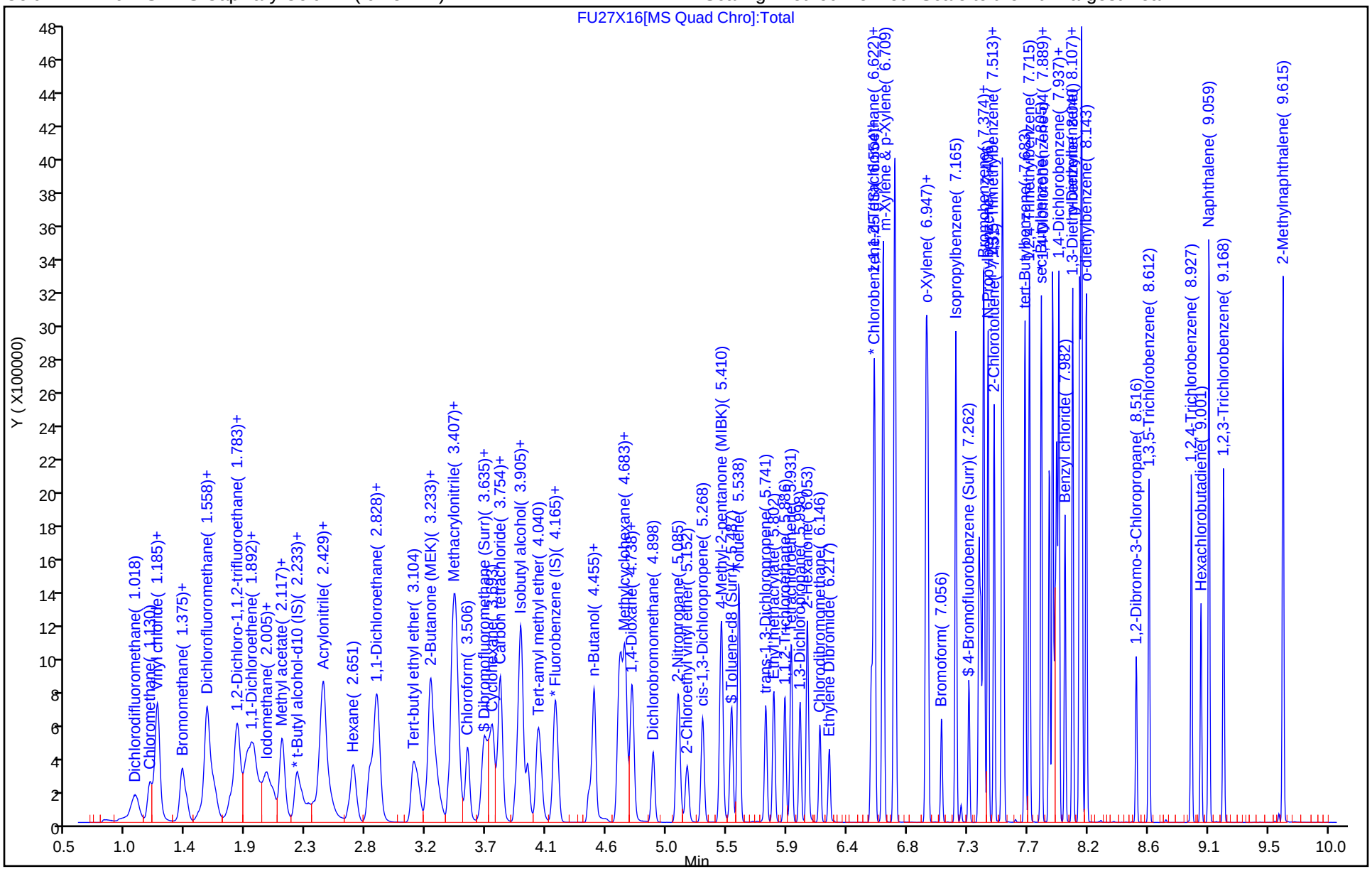
Report Date: 27-Jun-2024 22:58:44 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X16.D

Injection Date:	27-Jun-2024 20:44:16	Instrument ID:	15830	Operator ID:	MEC29284
Lims ID:	IC v100			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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

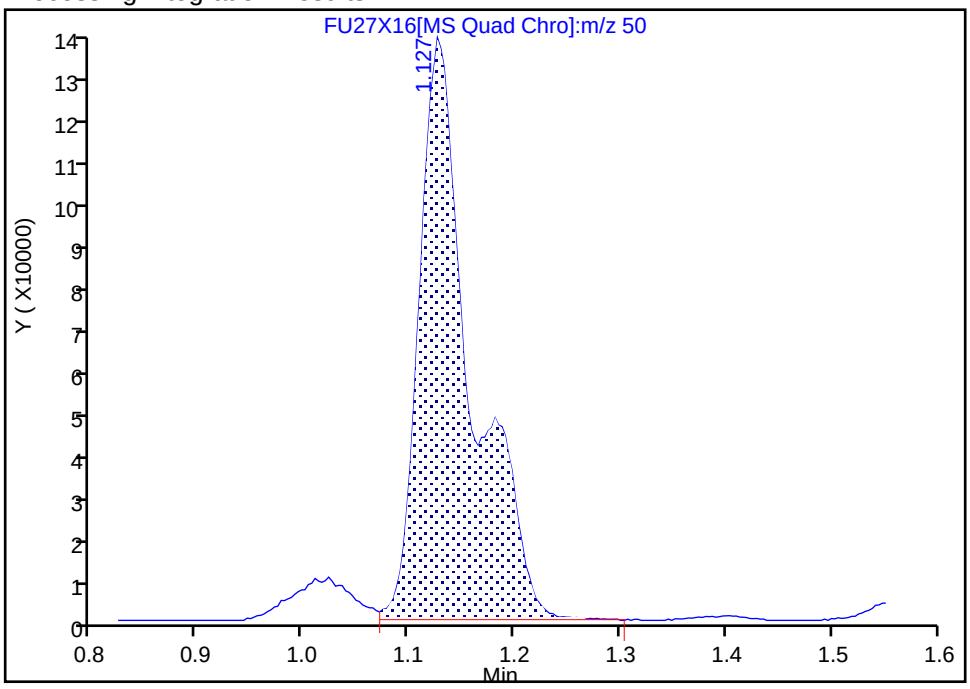
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X16.D
Injection Date: 27-Jun-2024 20:44:16 Instrument ID: 15830
Lims ID: IC v100
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Chloromethane, CAS: 74-87-3

Signal: 1

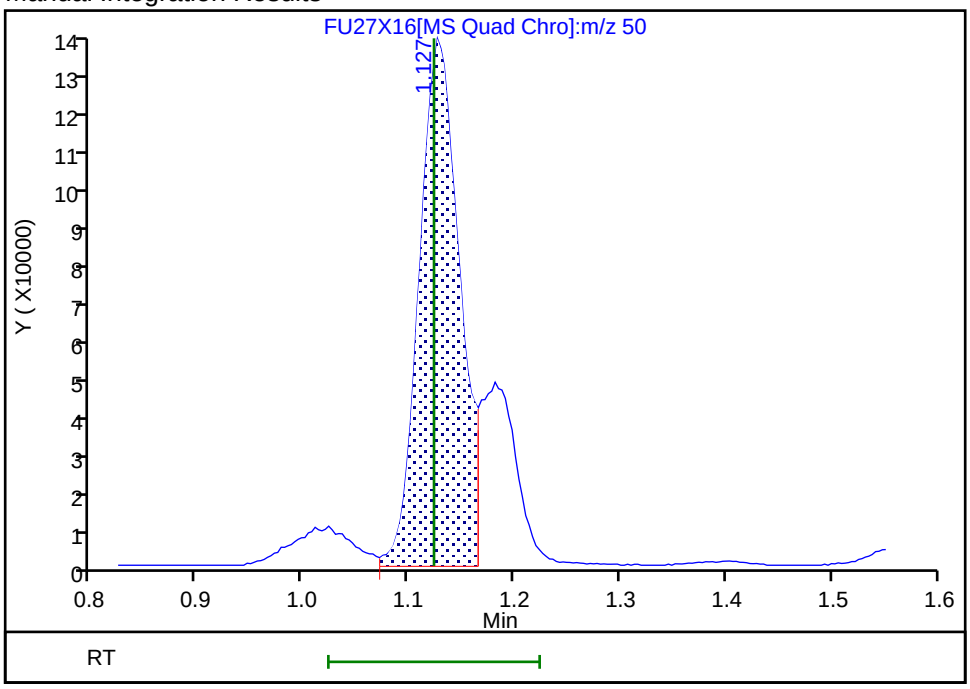
Processing Integration Results

RT: 1.13
Area: 471510
Amount: 120.0963
Amount Units: ug/l



Manual Integration Results

RT: 1.13
Area: 363963
Amount: 96.478916
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:07:57 -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

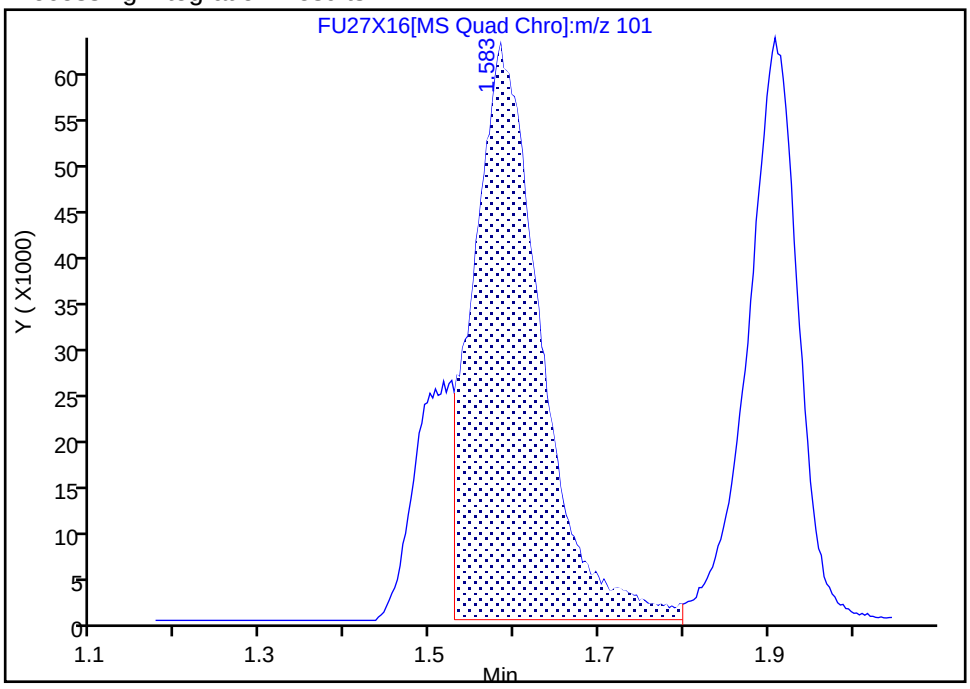
Data File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X16.D				
Injection Date:	27-Jun-2024 20:44:16	Instrument ID:	15830		
Lims ID:	IC v100				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

7 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

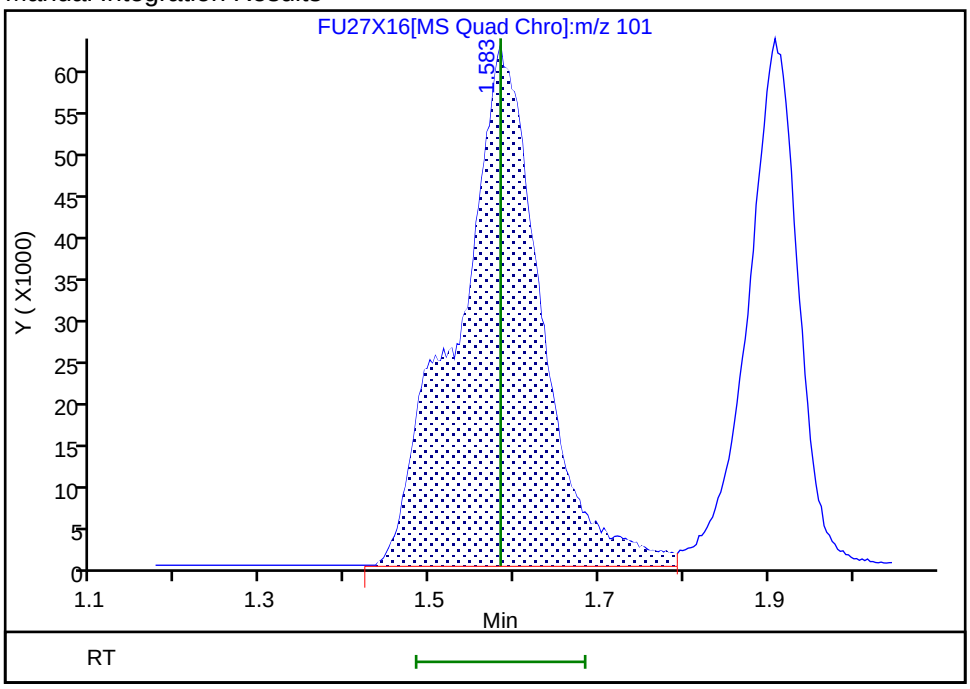
Processing Integration Results

RT: 1.58
Area: 350850
Amount: 86.166221
Amount Units: ug/l



Manual Integration Results

RT: 1.58
Area: 429625
Amount: 102.6751
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:08:26 -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

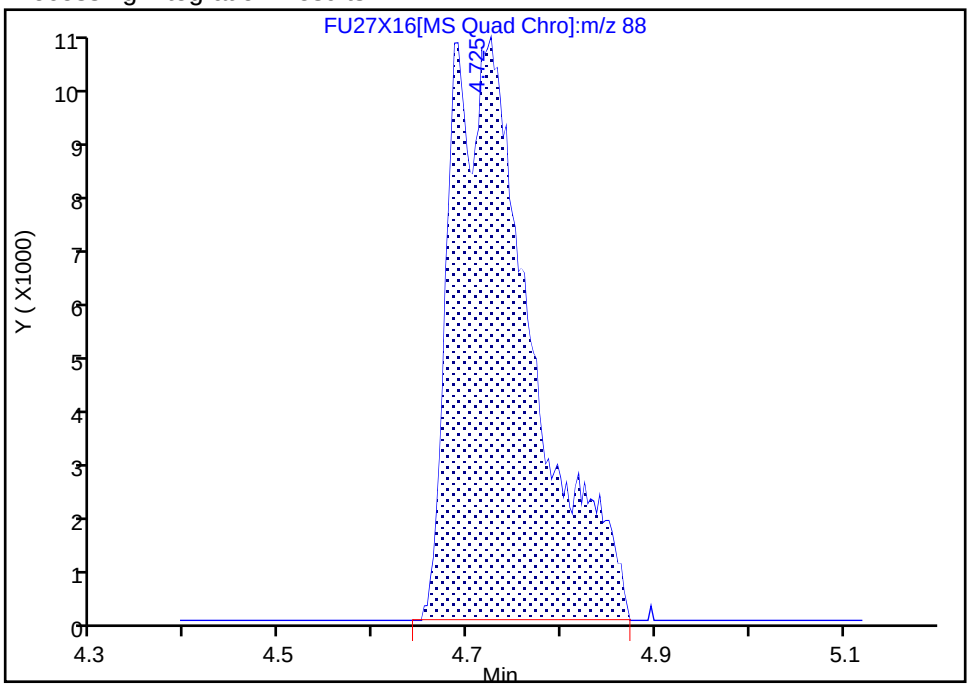
Data File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X16.D				
Injection Date:	27-Jun-2024 20:44:16	Instrument ID:	15830		
Lims ID:	IC v100				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

58 1,4-Dioxane, CAS: 123-91-1

Signal: 1

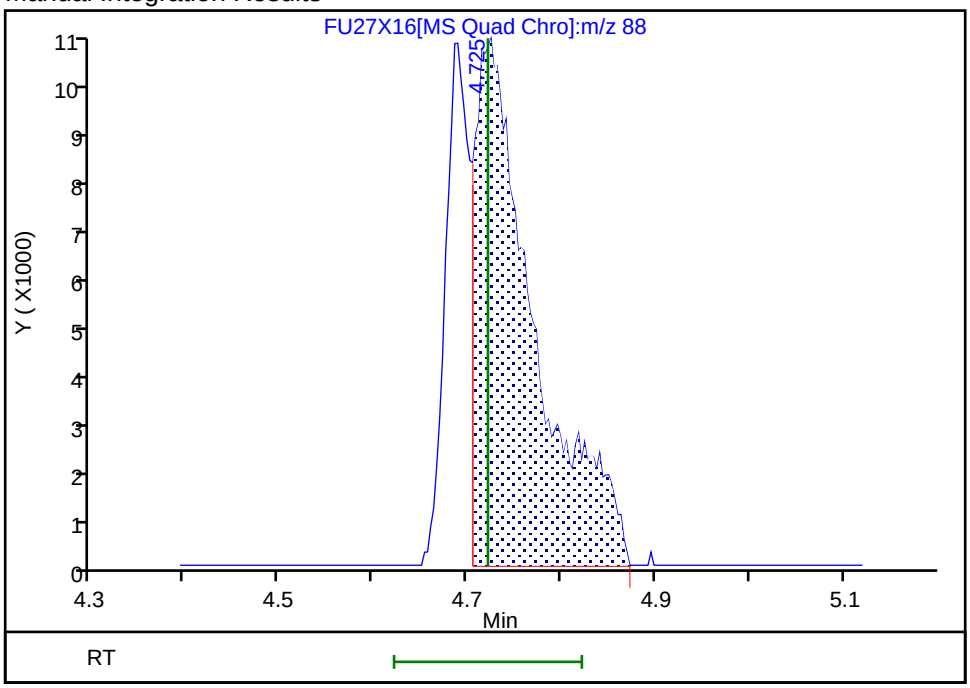
Processing Integration Results

RT: 4.72
Area: 62892
Amount: 1526.6060
Amount Units: ug/l



Manual Integration Results

RT: 4.72
Area: 45566
Amount: 1229.6199
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:08:53 -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\15830\20240627-117886.b\FU27X18.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 27-Jun-2024 21:13:20 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC v300
Misc. Info.: 410-0117886-010
Operator ID: MEC29284 Instrument ID: 15830
Sublist: chrom-MSVoa_15830_PT2*sub10

Method: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 27-Jun-2024 22:58:50 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1609

First Level Reviewer: K4WN Date: 27-Jun-2024 22:13:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.021	1.014	0.007	99	1073634	300.0	287.9	
2 Chloromethane	50	1.127	1.124	0.003	99	1108586	300.0	281.1	
3 Vinyl chloride	62	1.185	1.185	0.000	98	1030457	300.0	285.8	
4 Butadiene	39	1.185	1.185	0.000	93	1135039	300.0	273.4	
5 Bromomethane	94	1.368	1.365	0.003	90	719700	300.0	277.3	
6 Chloroethane	64	1.404	1.397	0.007	100	601679	300.0	279.8	
16 Dichlorofluoromethane	67	1.555	1.551	0.004	99	1597406	300.0	273.0	
8 Pentane	43	1.558	1.558	0.000	96	1180626	300.0	290.6	
7 Trichlorofluoromethane	101	1.587	1.583	0.004	98	1300872	300.0	297.4	
22 1,2-Dichloro-1,1,2-trifluoroetha	67	1.780	1.773	0.007	94	858925	300.0	278.5	
9 Acrolein	56	1.783	1.786	-0.003	100	2740133	3006.5	5094.5	
10 1,1-Dichloroethene	96	1.873	1.850	0.023	98	656857	300.0	288.5	
11 Acetone	58	1.883	1.882	0.001	100	287746	600.0	642.8	
12 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.915	1.908	0.007	91	773138	300.0	294.2	
13 Iodomethane	142	1.985	1.966	0.019	98	1273844	300.0	283.1	
15 Isopropyl alcohol	45	1.992	1.985	0.007	99	529692	1500.0	1412.3	
14 Carbon disulfide	76	2.040	2.018	0.022	99	2043034	300.0	282.9	M
17 3-Chloro-1-propene	41	2.117	2.117	0.000	95	1055156	300.0	254.9	
18 Methyl acetate	43	2.114	2.117	-0.003	97	905379	300.0	269.6	
19 Methylene Chloride	84	2.236	2.227	0.009	91	712281	300.0	271.1	
* 20 t-Butyl alcohol-d10 (IS)	65	2.262	2.249	0.013	71	224215	250.0	250.0	
21 2-Methyl-2-propanol	59	2.387	2.323	0.064	99	1227965	1500.0	1437.8	
23 Acrylonitrile	53	2.407	2.407	0.000	99	1258319	750.0	713.1	
24 trans-1,2-Dichloroethene	96	2.432	2.432	0.000	99	674199	300.0	276.3	
25 Methyl tert-butyl ether	73	2.426	2.436	-0.010	96	1967121	300.0	280.4	
26 Hexane	57	2.648	2.651	-0.003	93	860822	300.0	276.4	
27 1,1-Dichloroethane	63	2.773	2.773	0.000	95	1171073	300.0	282.8	
28 Isopropyl ether	45	2.828	2.815	0.013	94	1980824	300.0	282.0	
29 2-Chloro-1,3-butadiene	53	2.828	2.828	0.000	90	1035176	300.0	281.1	
30 Tert-butyl ethyl ether	59	3.104	3.101	0.003	97	1946984	300.0	281.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Butanone (MEK)	43	3.233	3.230	0.003	99	1456819	600.0	622.4	
31 cis-1,2-Dichloroethene	96	3.233	3.230	0.003	80	739785	300.0	283.1	
33 2,2-Dichloropropane	77	3.259	3.252	0.007	88	1051537	300.0	274.3	
34 Propionitrile	54	3.281	3.275	0.006	99	1152109	1500.0	1626.7	
35 Methacrylonitrile	67	3.400	3.394	0.006	95	1166716	750.0	746.2	
36 Chlorobromomethane	128	3.420	3.413	0.007	94	365755	300.0	298.2	
37 Tetrahydrofuran	71	3.426	3.426	0.000	89	1074207	1500.0	1645.7	
39 Chloroform	83	3.510	3.506	0.004	93	1135464	300.0	266.2	
$ 41 Dibromofluoromethane (Surr)	113	3.635	3.632	0.003	94	117399	50.0	49.0	
40 1,1,1-Trichloroethane	97	3.638	3.635	0.003	98	1117674	300.0	288.2	
42 Cyclohexane	56	3.696	3.689	0.007	90	1332194	300.0	285.5	
43 Carbon tetrachloride	117	3.757	3.754	0.003	94	998799	300.0	304.2	
44 1,1-Dichloropropene	75	3.754	3.754	0.000	96	947156	300.0	301.3	
45 Isobutyl alcohol	41	3.892	3.895	-0.003	94	811826	3750.0	3255.5	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.895	3.895	0.000	73	30154	50.0	49.1	
47 Benzene	78	3.908	3.908	0.000	96	2742477	300.0	292.1	
48 1,2-Dichloroethane	62	3.960	3.960	0.000	97	855193	300.0	293.5	
49 Tert-amyl methyl ether	73	4.040	4.037	0.003	97	1920047	300.0	284.5	
* 50 Fluorobenzene (IS)	96	4.159	4.159	0.000	100	477901	50.0	50.0	
51 n-Heptane	43	4.175	4.175	0.000	92	689137	300.0	258.8	
52 n-Butanol	56	4.419	4.416	0.003	90	640562	3750.0	3536.8	
53 Trichloroethene	95	4.458	4.455	0.003	98	727497	300.0	290.5	
54 Methylcyclohexane	83	4.651	4.648	0.003	91	1313508	300.0	294.8	
55 1,2-Dichloropropane	63	4.667	4.667	0.000	97	672744	300.0	310.2	
56 2-ethoxy-2-methyl butane	87	4.693	4.689	0.004	95	1086935	300.0	299.3	
58 1,4-Dioxane	88	4.722	4.722	0.000	83	136979	3750.0	3775.2	M
57 Dibromomethane	93	4.738	4.734	0.004	97	443039	300.0	304.7	
59 Methyl methacrylate	69	4.747	4.741	0.006	92	658658	300.0	310.1	
60 Dichlorobromomethane	83	4.899	4.895	0.004	99	842707	300.0	310.0	
61 2-Nitropropane	41	5.091	5.085	0.006	98	1804250	1500.0	1683.0	
62 2-Chloroethyl vinyl ether	63	5.156	5.152	0.004	93	490495	300.0	332.3	
63 cis-1,3-Dichloropropene	75	5.272	5.268	0.004	96	1099350	300.0	321.0	
64 4-Methyl-2-pentanone (MIBK)	43	5.410	5.410	0.000	96	2544749	600.0	599.8	
$ 65 Toluene-d8 (Surr)	98	5.487	5.484	0.003	93	465088	50.0	49.0	
66 Toluene	92	5.542	5.538	0.004	98	1745919	300.0	289.7	
67 trans-1,3-Dichloropropene	75	5.744	5.741	0.003	93	982208	300.0	307.7	
68 Ethyl methacrylate	69	5.805	5.799	0.006	89	1042239	300.0	289.3	
69 1,1,2-Trichloroethane	97	5.886	5.886	0.000	90	588004	300.0	292.7	
70 Tetrachloroethene	166	5.934	5.931	0.003	97	791685	300.0	294.7	
71 1,3-Dichloropropane	76	5.998	5.998	0.000	90	1000645	300.0	306.4	
73 2-Hexanone	43	6.053	6.053	0.000	96	1870671	600.0	593.1	
74 Chlorodibromomethane	129	6.149	6.146	0.003	90	700929	300.0	321.5	
S 72 1,2-Dichloroethene, Total	100				0			559.4	
75 Ethylene Dibromide	107	6.217	6.217	0.000	99	652331	300.0	297.3	
* 76 Chlorobenzene-d5 (IS)	117	6.532	6.532	0.000	84	358029	50.0	50.0	
77 Chlorobenzene	112	6.551	6.551	0.000	96	1981814	300.0	296.9	
78 1-Chlorohexane	91	6.561	6.558	0.003	96	943381	300.0	287.8	
79 1,1,1,2-Tetrachloroethane	131	6.619	6.615	0.004	96	739071	300.0	300.6	
80 Ethylbenzene	91	6.625	6.622	0.003	98	3442917	300.0	291.0	
81 m-Xylene & p-Xylene	106	6.709	6.709	0.000	99	2731754	600.0	580.7	
82 o-Xylene	106	6.943	6.943	0.000	96	1396674	300.0	288.7	
83 Styrene	104	6.956	6.956	0.000	95	2151153	300.0	296.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Bromoform	173	7.059	7.056	0.003	98	548640	300.0	324.8	
85 Isopropylbenzene	105	7.165	7.165	0.000	95	3471122	300.0	290.3	
$ 86 4-Bromofluorobenzene (Surr)	95	7.265	7.262	0.003	91	172119	50.0	49.2	
87 Bromobenzene	156	7.339	7.339	0.000	91	824267	300.0	300.6	
88 1,1,2,2-Tetrachloroethane	83	7.352	7.352	0.000	94	1044530	300.0	289.3	
89 trans-1,4-Dichloro-2-butene	53	7.374	7.371	0.003	92	798669	750.0	722.6	
90 1,2,3-Trichloropropane	110	7.378	7.377	0.001	85	344840	300.0	289.4	
91 N-Propylbenzene	91	7.410	7.406	0.004	98	3874325	300.0	288.3	
92 2-Chlorotoluene	126	7.455	7.451	0.004	97	843343	300.0	296.1	
93 1,3,5-Trimethylbenzene	105	7.513	7.509	0.004	95	3030787	300.0	298.8	
94 4-Chlorotoluene	126	7.522	7.522	0.000	99	818643	300.0	302.4	
95 tert-Butylbenzene	134	7.686	7.683	0.003	92	641731	300.0	311.7	
96 1,2,4-Trimethylbenzene	105	7.718	7.715	0.003	97	3021875	300.0	298.3	
97 sec-Butylbenzene	105	7.805	7.805	0.000	94	3656043	300.0	298.9	
98 1,3-Dichlorobenzene	146	7.866	7.866	0.000	98	1520250	300.0	294.4	
99 4-Isopropyltoluene	119	7.892	7.889	0.003	97	3199515	300.0	296.7	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	94	199026	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.921	7.921	0.000	94	1520978	300.0	293.6	
102 1,2,3-Trimethylbenzene	105	7.937	7.937	0.000	98	3084697	300.0	295.6	
103 Benzyl chloride	91	7.982	7.982	0.000	98	2056275	300.0	285.6	
104 1,3-Diethylbenzene	119	8.040	8.040	0.000	95	1792423	300.0	295.7	
105 p-Diethylbenzene	119	8.095	8.091	0.004	97	1837594	300.0	291.9	
106 n-Butylbenzene	92	8.107	8.104	0.003	98	1433344	300.0	295.8	
107 1,2-Dichlorobenzene	146	8.111	8.107	0.004	98	1548359	300.0	294.1	
108 o-diethylbenzene	119	8.143	8.143	0.000	95	1530286	300.0	300.5	
109 1,2-Dibromo-3-Chloropropane	75	8.516	8.516	0.000	87	379630	300.0	292.8	
110 1,3,5-Trichlorobenzene	180	8.612	8.612	0.000	98	1020997	300.0	283.4	
111 1,2,4-Trichlorobenzene	180	8.931	8.930	0.001	94	1008910	300.0	275.8	
112 Hexachlorobutadiene	225	9.001	9.001	0.000	98	385080	300.0	283.5	
113 Naphthalene	128	9.062	9.059	0.003	97	4245505	300.0	271.9	
114 1,2,3-Trichlorobenzene	180	9.172	9.168	0.004	97	1010743	300.0	273.5	
115 2-Methylnaphthalene	142	9.615	9.615	0.000	92	2226713	300.0	259.7	
S 137 1,3-Dichloropropene, Total	100				0			628.7	
S 138 Xylenes, Total	106				0			869.4	
S 139 Total Diethylbenzene	1				0			888.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00189	Amount Added: 15.00	Units: uL	
MSV_CCV_GASES_00816	Amount Added: 7.50	Units: uL	
MSV_CCV_VOC#3_00185	Amount Added: 12.00	Units: uL	
MSV_CCV_2CEVE_00181	Amount Added: 15.00	Units: uL	
MSV_Cent_ISSS_00027	Amount Added: 5.00	Units: uL	Run Reagent

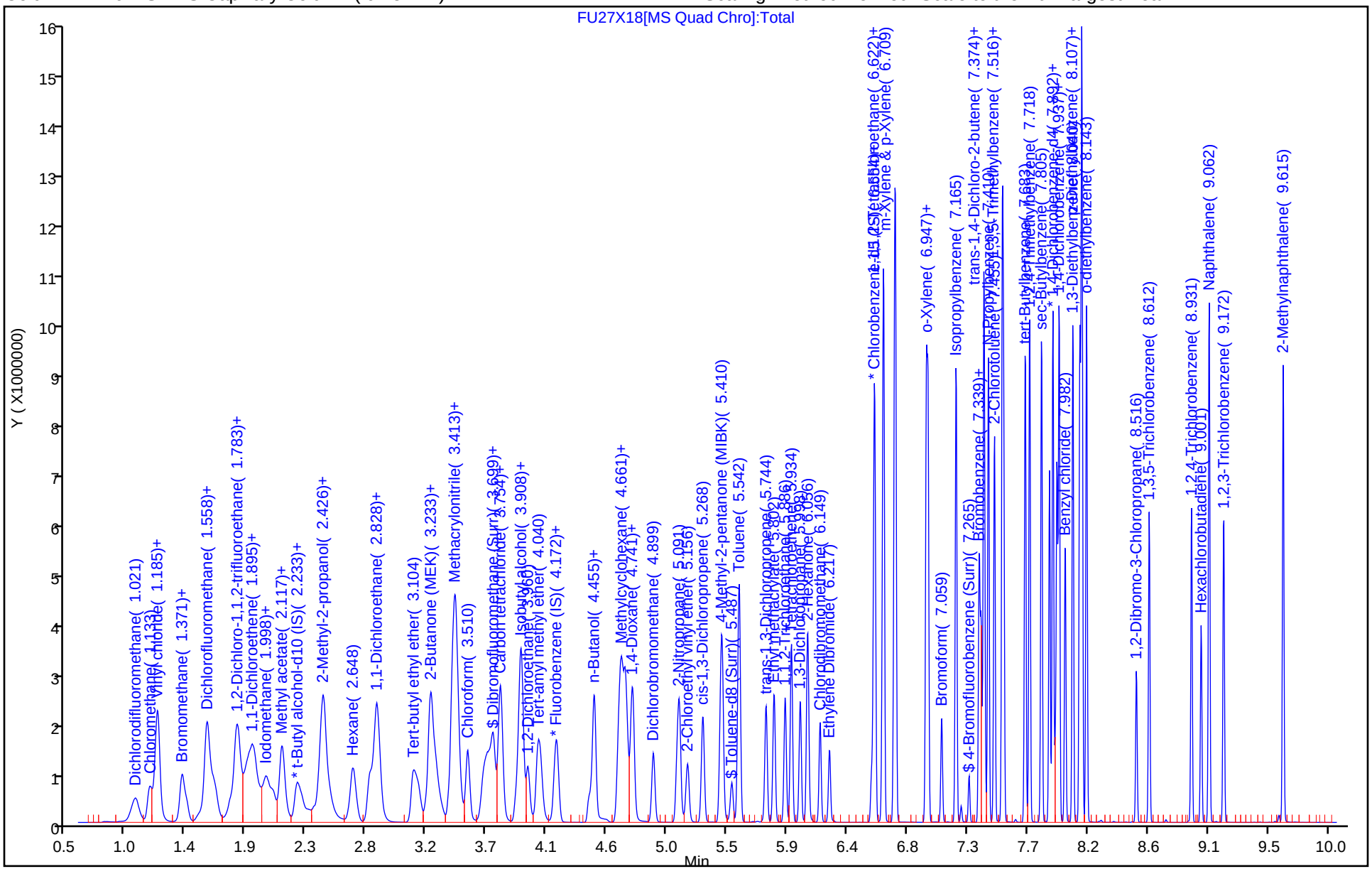
Report Date: 27-Jun-2024 22:58:51 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Injection Date:	27-Jun-2024 21:13:20	Instrument ID:	15830	Operator ID:	MEC29284
Lims ID:	IC v300			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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

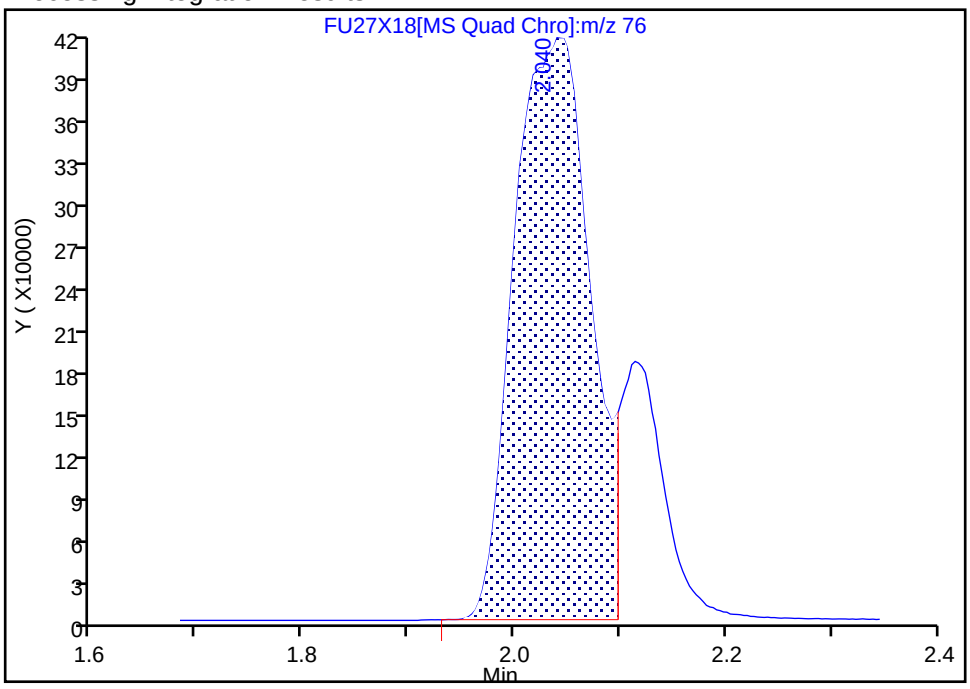
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D
Injection Date: 27-Jun-2024 21:13:20 Instrument ID: 15830
Lims ID: IC v300
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

14 Carbon disulfide, CAS: 75-15-0

Signal: 1

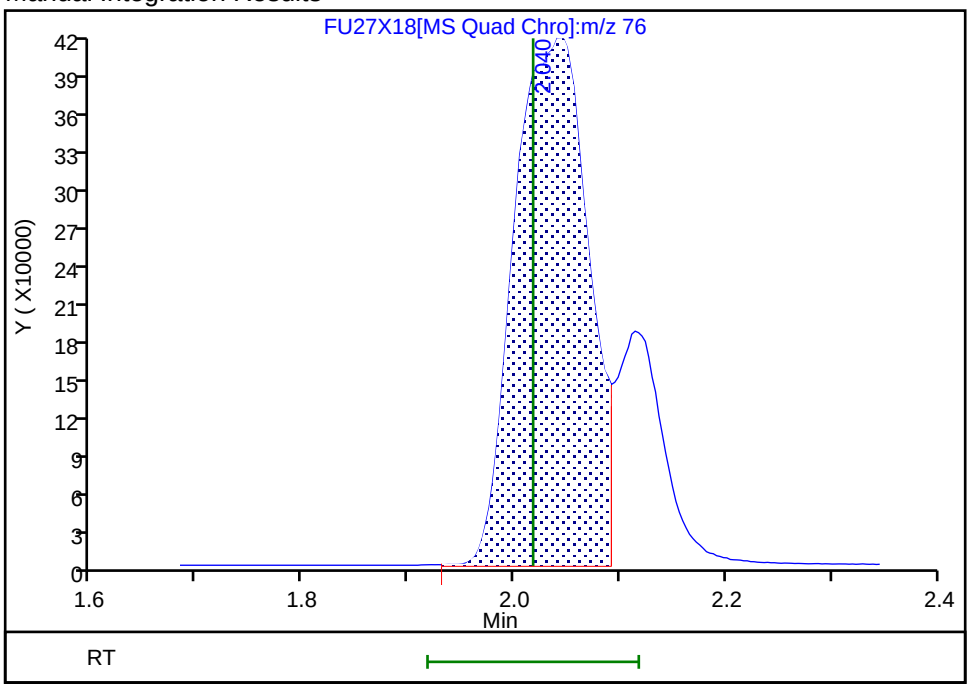
Processing Integration Results

RT: 2.04
Area: 2099493
Amount: 289.5962
Amount Units: ug/l



Manual Integration Results

RT: 2.04
Area: 2043034
Amount: 282.8575
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:09:25 -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

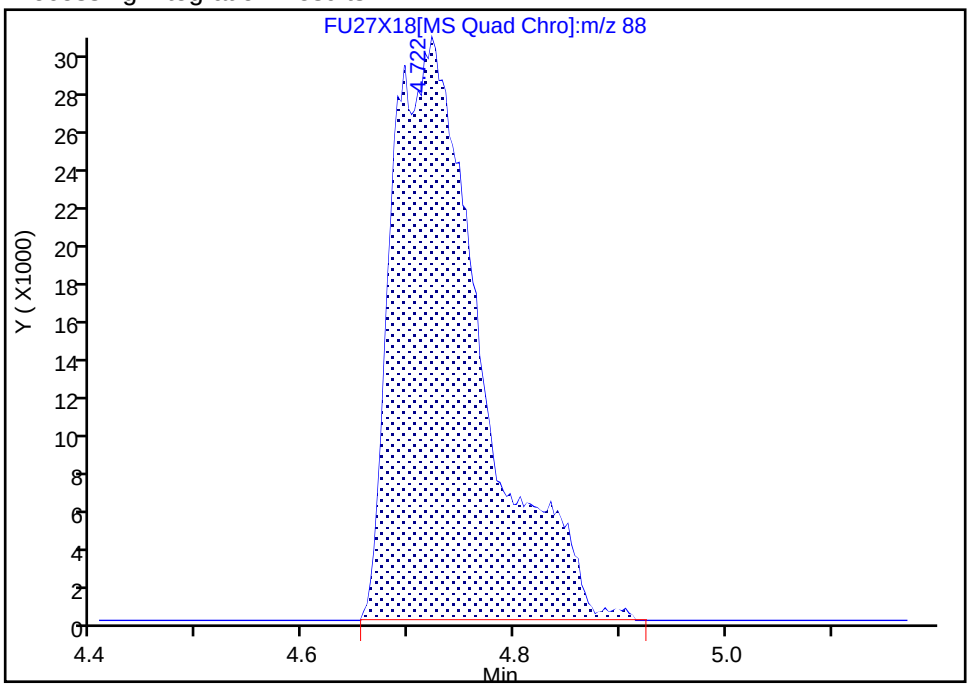
Data File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D				
Injection Date:	27-Jun-2024 21:13:20	Instrument ID:	15830		
Lims ID:	IC v300				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	0	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

58 1,4-Dioxane, CAS: 123-91-1

Signal: 1

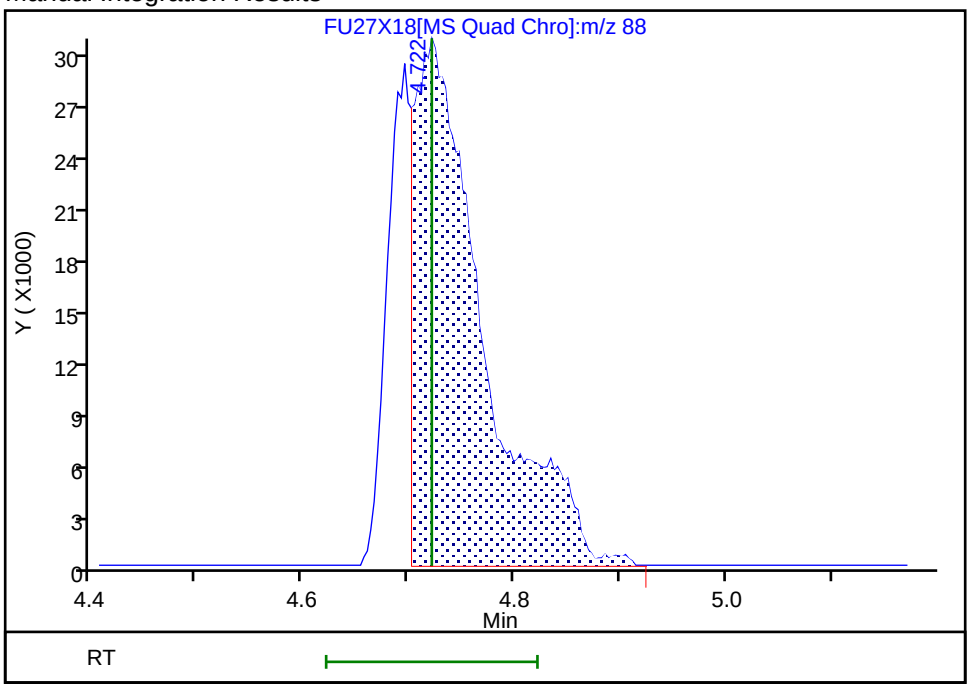
Processing Integration Results

RT: 4.72
Area: 177298
Amount: 4656.4957
Amount Units: ug/l



Manual Integration Results

RT: 4.72
Area: 136979
Amount: 3775.2465
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:09:40 -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

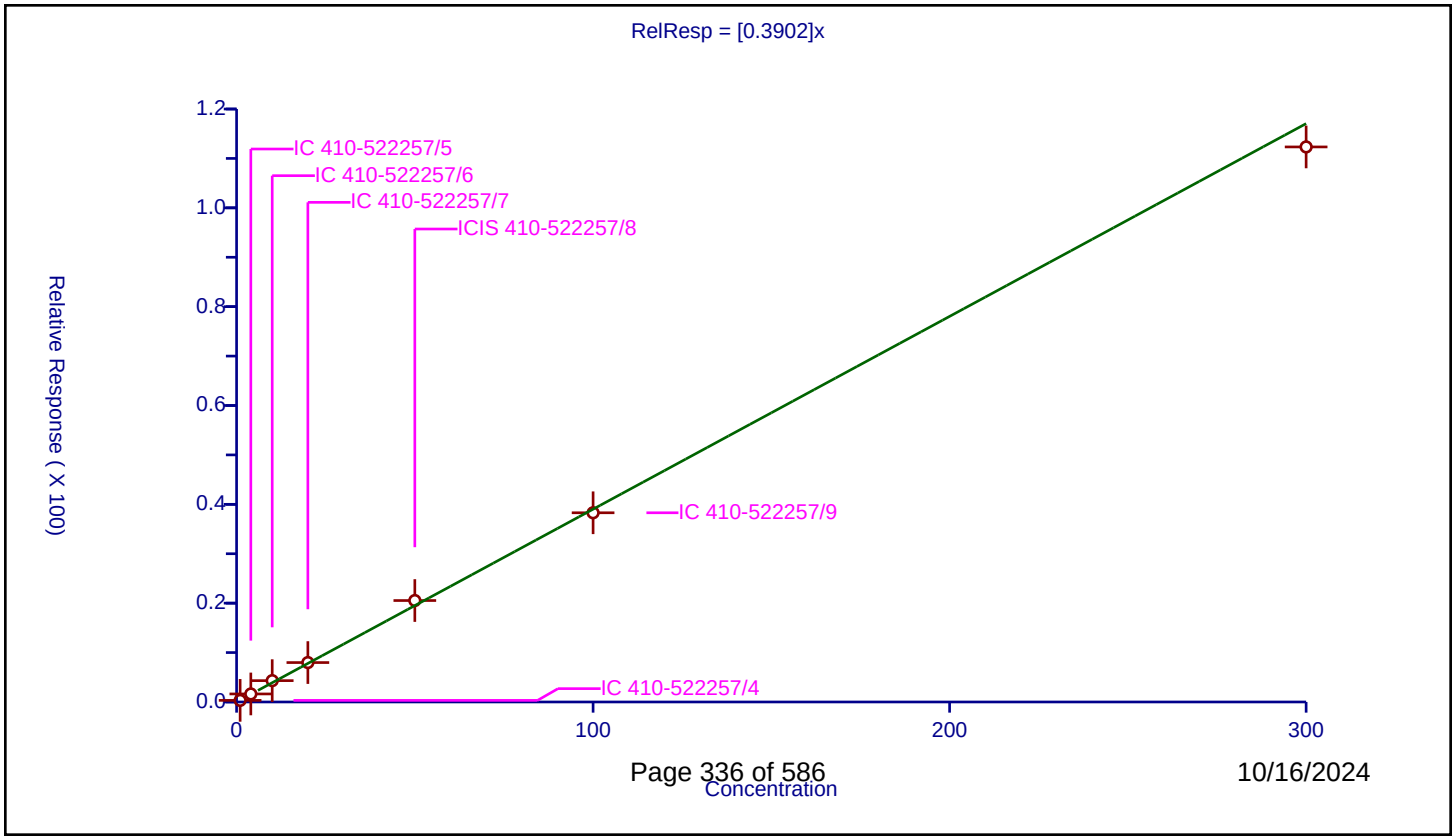
Curve Coefficients

Intercept:	0
Slope:	0.3902

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.326215	50.0	431157.0	0.326215	Y
2	IC 410-522257/5	4.0	1.625023	50.0	425994.0	0.406256	Y
3	IC 410-522257/6	10.0	4.318491	50.0	436333.0	0.431849	Y
4	IC 410-522257/7	20.0	7.977631	50.0	441052.0	0.398882	Y
5	ICIS 410-522257/8	50.0	20.530461	50.0	448911.0	0.410609	Y
6	IC 410-522257/9	100.0	38.290936	50.0	457180.0	0.382909	Y
7	IC 410-522257/10	300.0	112.328076	50.0	477901.0	0.374427	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

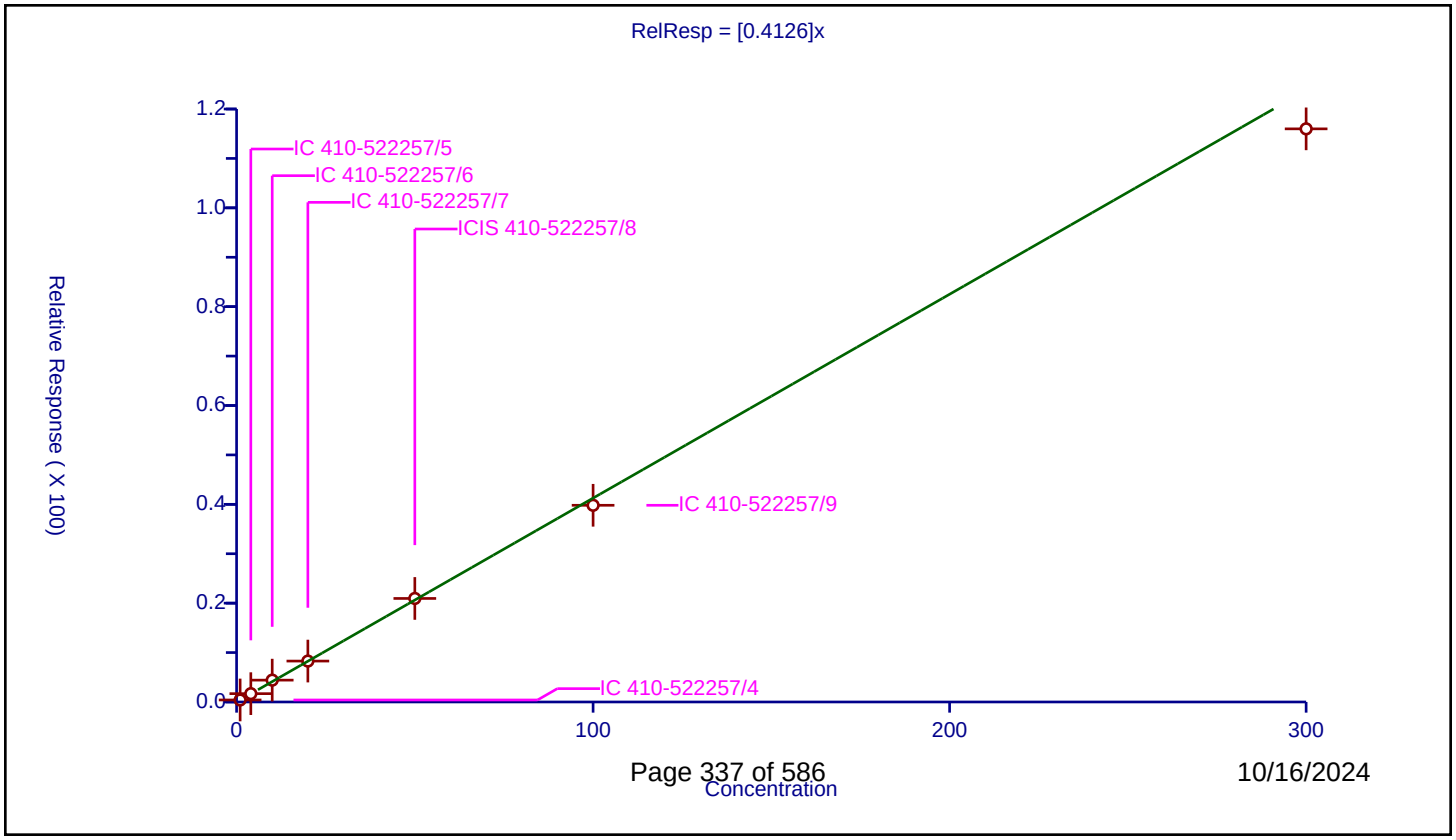
Curve Coefficients

Intercept:	0
Slope:	0.4126

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.407044	50.0	431157.0	0.407044	Y
2	IC 410-522257/5	4.0	1.684766	50.0	425994.0	0.421191	Y
3	IC 410-522257/6	10.0	4.420821	50.0	436333.0	0.442082	Y
4	IC 410-522257/7	20.0	8.280316	50.0	441052.0	0.414016	Y
5	ICIS 410-522257/8	50.0	20.952706	50.0	448911.0	0.419054	Y
6	IC 410-522257/9	100.0	39.805219	50.0	457180.0	0.398052	Y
7	IC 410-522257/10	300.0	115.984901	50.0	477901.0	0.386616	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

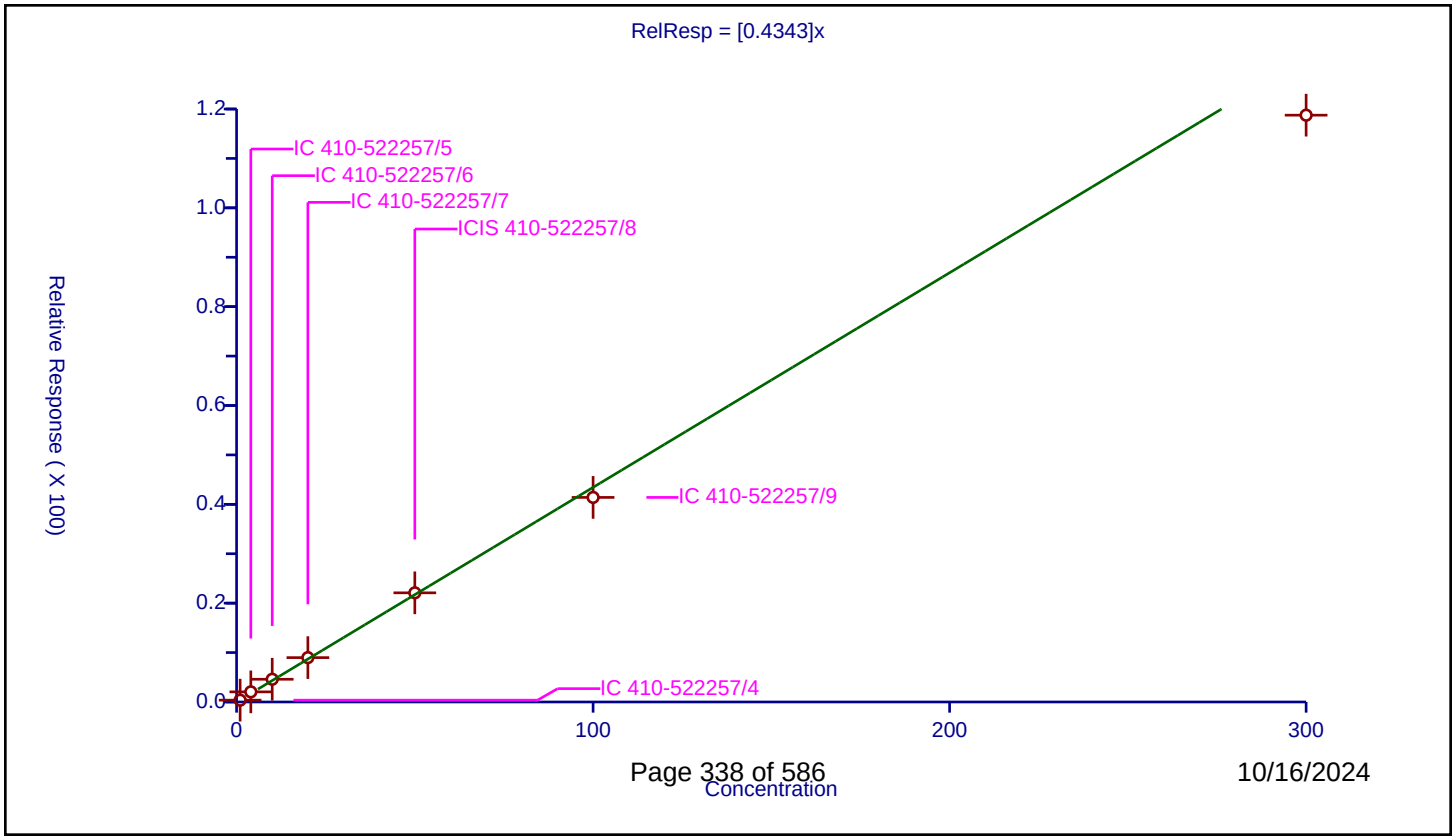
Curve Coefficients

Intercept:	0
Slope:	0.4343

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.367616	50.0	431157.0	0.367616	Y
2	IC 410-522257/5	4.0	2.049442	50.0	425994.0	0.512361	Y
3	IC 410-522257/6	10.0	4.598667	50.0	436333.0	0.459867	Y
4	IC 410-522257/7	20.0	8.976833	50.0	441052.0	0.448842	Y
5	ICIS 410-522257/8	50.0	22.090348	50.0	448911.0	0.441807	Y
6	IC 410-522257/9	100.0	41.401527	50.0	457180.0	0.414015	Y
7	IC 410-522257/10	300.0	118.752524	50.0	477901.0	0.395842	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

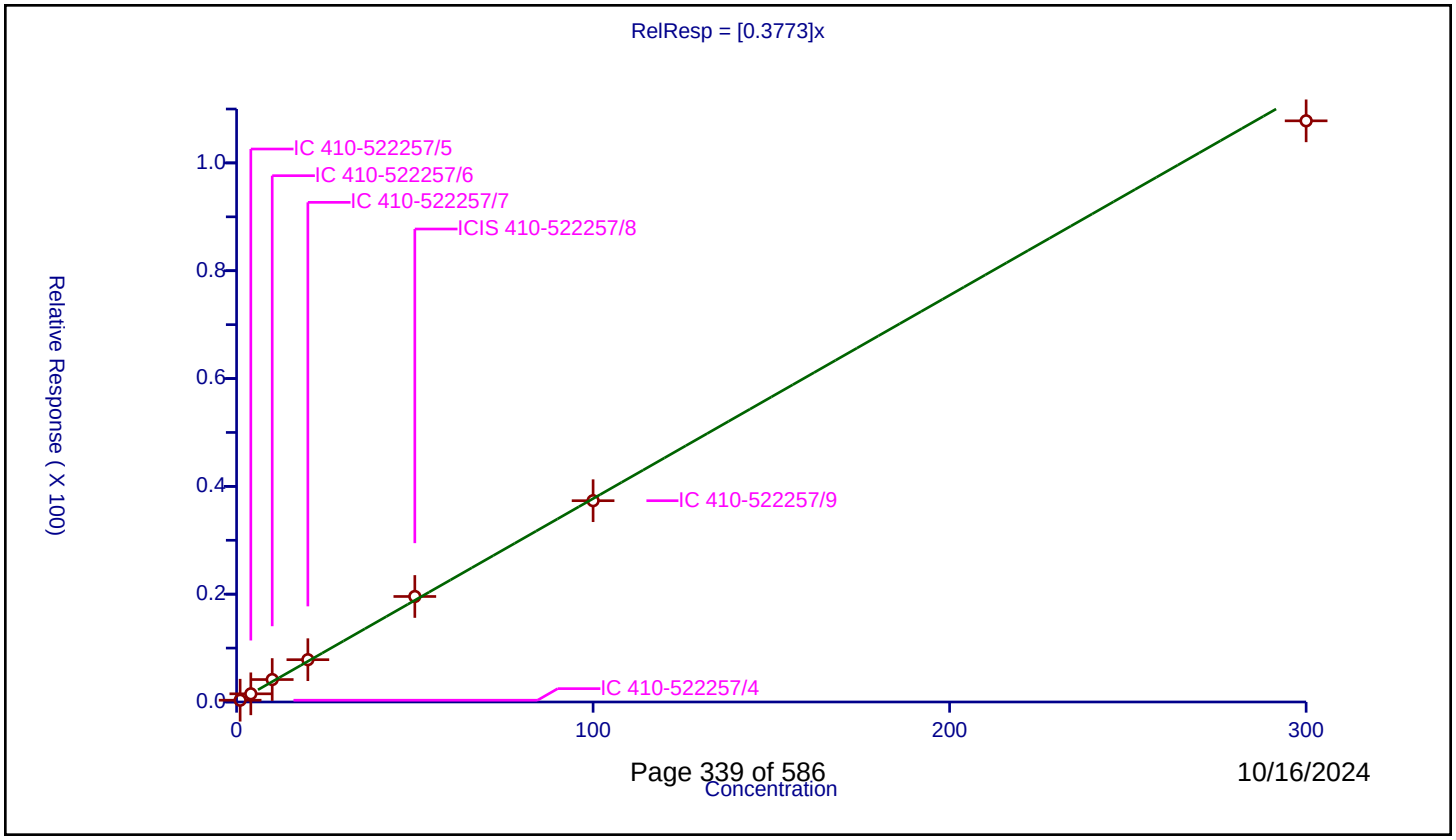
Curve Coefficients

Intercept:	0
Slope:	0.3773

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.328998	50.0	431157.0	0.328998	Y
2	IC 410-522257/5	4.0	1.515749	50.0	425994.0	0.378937	Y
3	IC 410-522257/6	10.0	4.163219	50.0	436333.0	0.416322	Y
4	IC 410-522257/7	20.0	7.845674	50.0	441052.0	0.392284	Y
5	ICIS 410-522257/8	50.0	19.572699	50.0	448911.0	0.391454	Y
6	IC 410-522257/9	100.0	37.343169	50.0	457180.0	0.373432	Y
7	IC 410-522257/10	300.0	107.810718	50.0	477901.0	0.359369	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

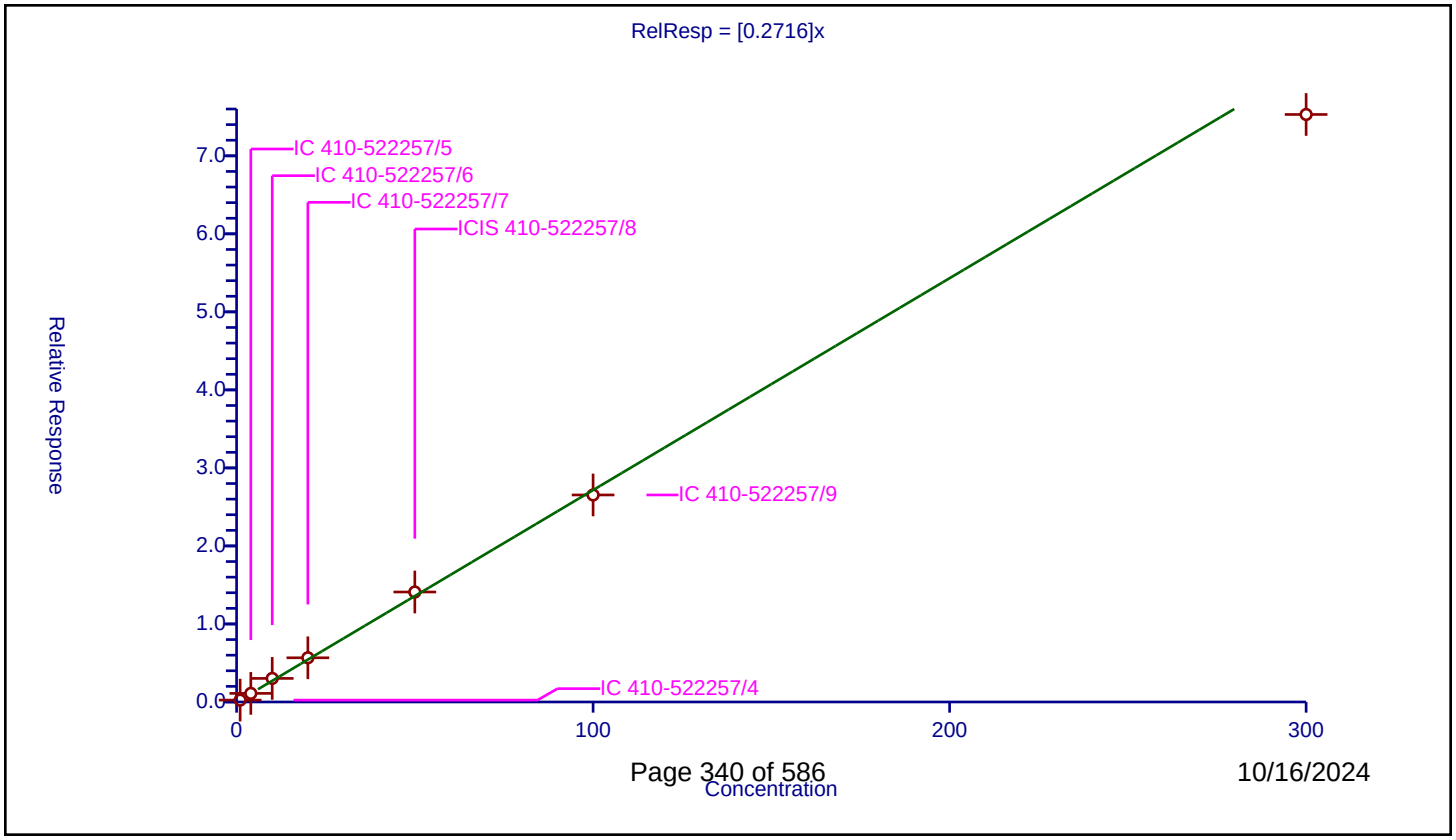
Curve Coefficients

Intercept:	0
Slope:	0.2716

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.242139	50.0	431157.0	0.242139	Y
2	IC 410-522257/5	4.0	1.10072	50.0	425994.0	0.27518	Y
3	IC 410-522257/6	10.0	3.022004	50.0	436333.0	0.3022	Y
4	IC 410-522257/7	20.0	5.665545	50.0	441052.0	0.283277	Y
5	ICIS 410-522257/8	50.0	14.096447	50.0	448911.0	0.281929	Y
6	IC 410-522257/9	100.0	26.535063	50.0	457180.0	0.265351	Y
7	IC 410-522257/10	300.0	75.298022	50.0	477901.0	0.250993	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

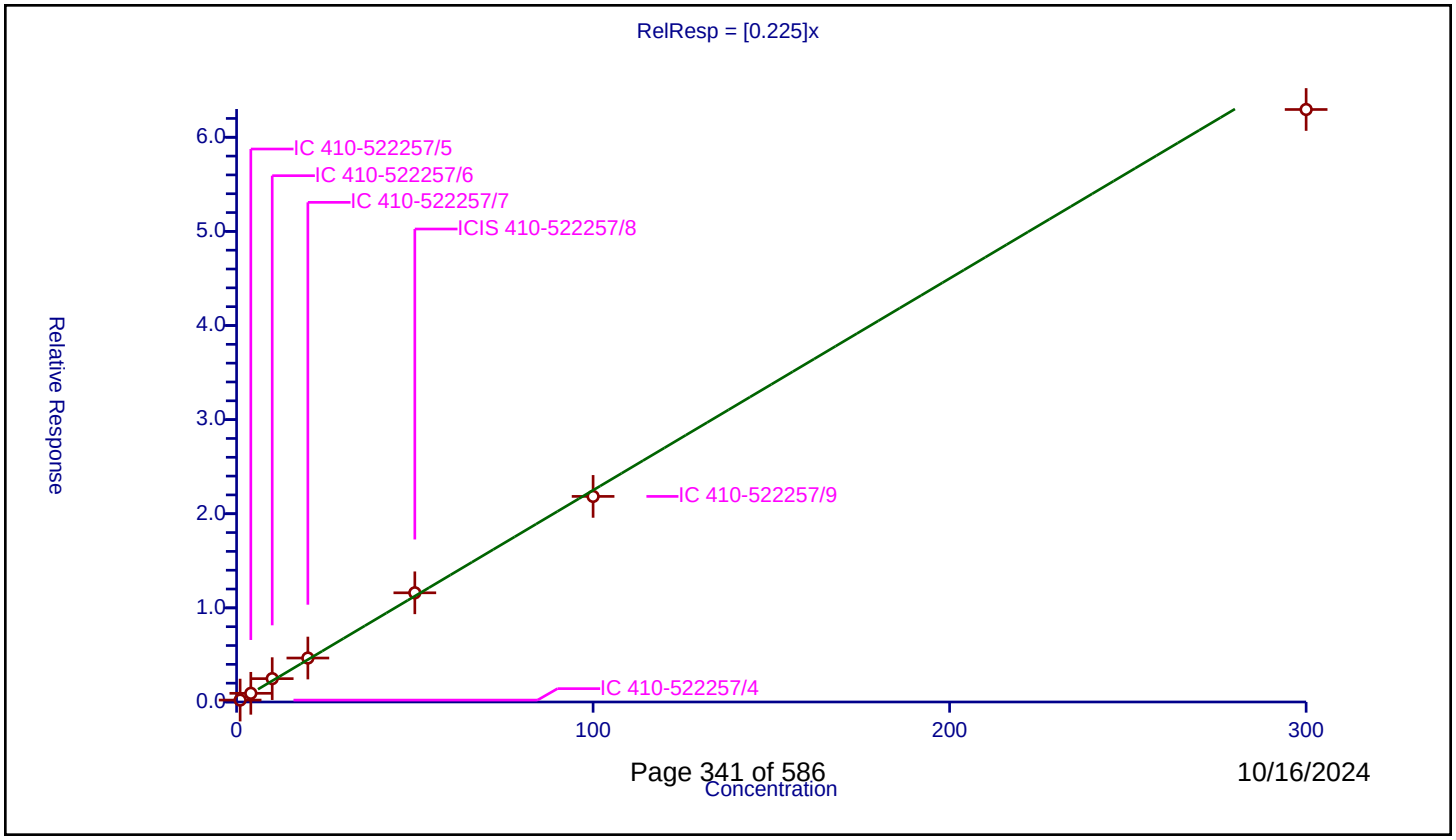
Curve Coefficients

Intercept:	0
Slope:	0.225

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.202594	50.0	431157.0	0.202594	Y
2	IC 410-522257/5	4.0	0.92114	50.0	425994.0	0.230285	Y
3	IC 410-522257/6	10.0	2.481705	50.0	436333.0	0.248171	Y
4	IC 410-522257/7	20.0	4.669517	50.0	441052.0	0.233476	Y
5	ICIS 410-522257/8	50.0	11.600518	50.0	448911.0	0.23201	Y
6	IC 410-522257/9	100.0	21.842053	50.0	457180.0	0.218421	Y
7	IC 410-522257/10	300.0	62.950172	50.0	477901.0	0.209834	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

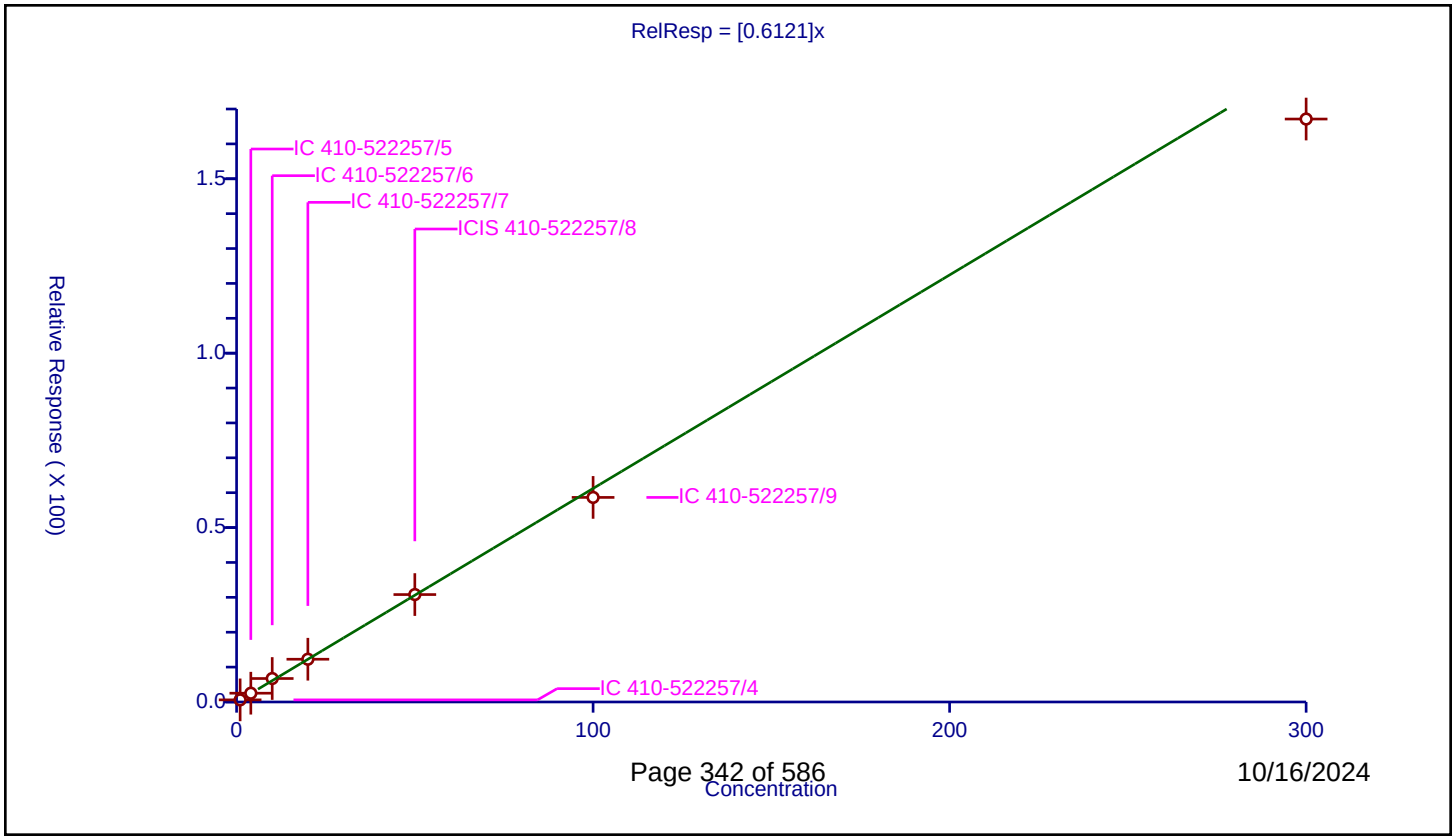
Curve Coefficients

Intercept:	0
Slope:	0.6121

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.610335	50.0	431157.0	0.610335	Y
2	IC 410-522257/5	4.0	2.515646	50.0	425994.0	0.628911	Y
3	IC 410-522257/6	10.0	6.73041	50.0	436333.0	0.673041	Y
4	IC 410-522257/7	20.0	12.262386	50.0	441052.0	0.613119	Y
5	ICIS 410-522257/8	50.0	30.801206	50.0	448911.0	0.616024	Y
6	IC 410-522257/9	100.0	58.64911	50.0	457180.0	0.586491	Y
7	IC 410-522257/10	300.0	167.127292	50.0	477901.0	0.557091	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

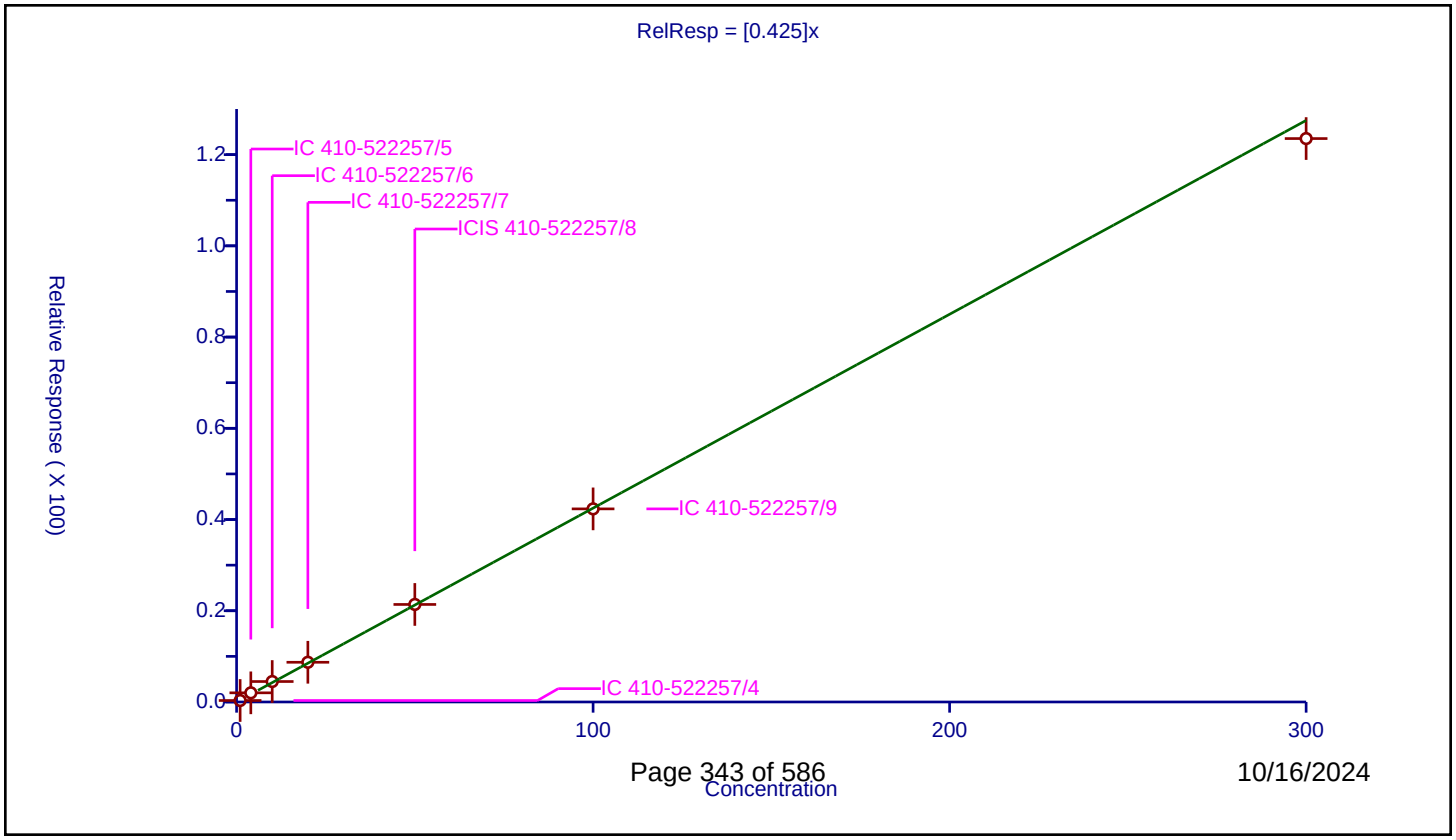
Curve Coefficients

Intercept:	0
Slope:	0.425

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.326795	50.0	431157.0	0.326795	Y
2	IC 410-522257/5	4.0	2.005662	50.0	425994.0	0.501416	Y
3	IC 410-522257/6	10.0	4.487169	50.0	436333.0	0.448717	Y
4	IC 410-522257/7	20.0	8.706003	50.0	441052.0	0.4353	Y
5	ICIS 410-522257/8	50.0	21.384974	50.0	448911.0	0.427699	Y
6	IC 410-522257/9	100.0	42.336498	50.0	457180.0	0.423365	Y
7	IC 410-522257/10	300.0	123.522027	50.0	477901.0	0.41174	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

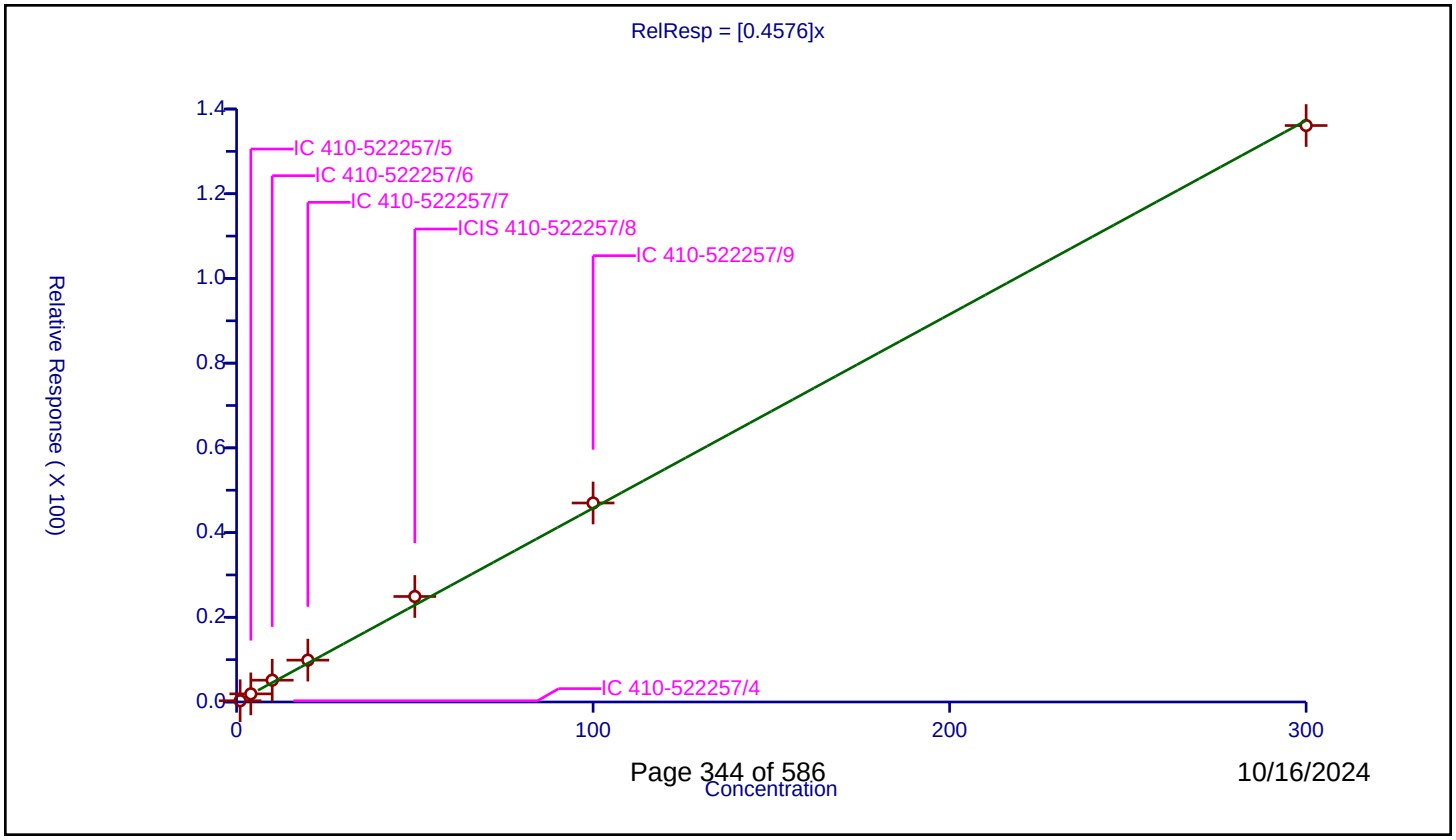
Curve Coefficients

Intercept:	0
Slope:	0.4576

Error Coefficients

Relative Standard Deviation:	16.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.293397	50.0	431157.0	0.293397	Y
2	IC 410-522257/5	4.0	1.917515	50.0	425994.0	0.479379	Y
3	IC 410-522257/6	10.0	5.148476	50.0	436333.0	0.514848	Y
4	IC 410-522257/7	20.0	9.879334	50.0	441052.0	0.493967	Y
5	ICIS 410-522257/8	50.0	24.911397	50.0	448911.0	0.498228	Y
6	IC 410-522257/9	100.0	46.986417	50.0	457180.0	0.469864	Y
7	IC 410-522257/10	300.0	136.102666	50.0	477901.0	0.453676	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

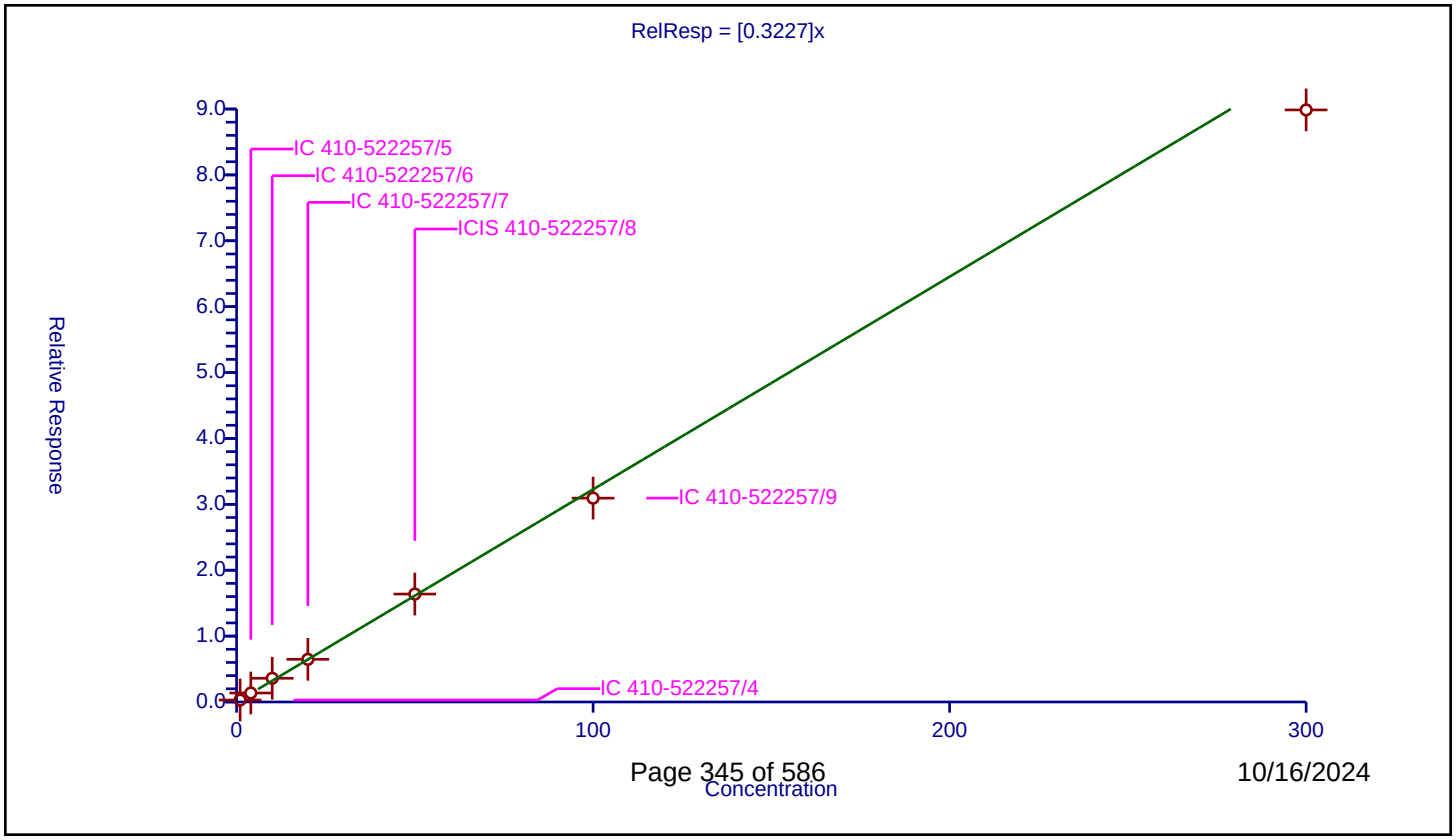
Curve Coefficients

Intercept:	0
Slope:	0.3227

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.297455	50.0	431157.0	0.297455	Y
2	IC 410-522257/5	4.0	1.364808	50.0	425994.0	0.341202	Y
3	IC 410-522257/6	10.0	3.600919	50.0	436333.0	0.360092	Y
4	IC 410-522257/7	20.0	6.473386	50.0	441052.0	0.323669	Y
5	ICIS 410-522257/8	50.0	16.381866	50.0	448911.0	0.327637	Y
6	IC 410-522257/9	100.0	30.940111	50.0	457180.0	0.309401	Y
7	IC 410-522257/10	300.0	89.864323	50.0	477901.0	0.299548	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

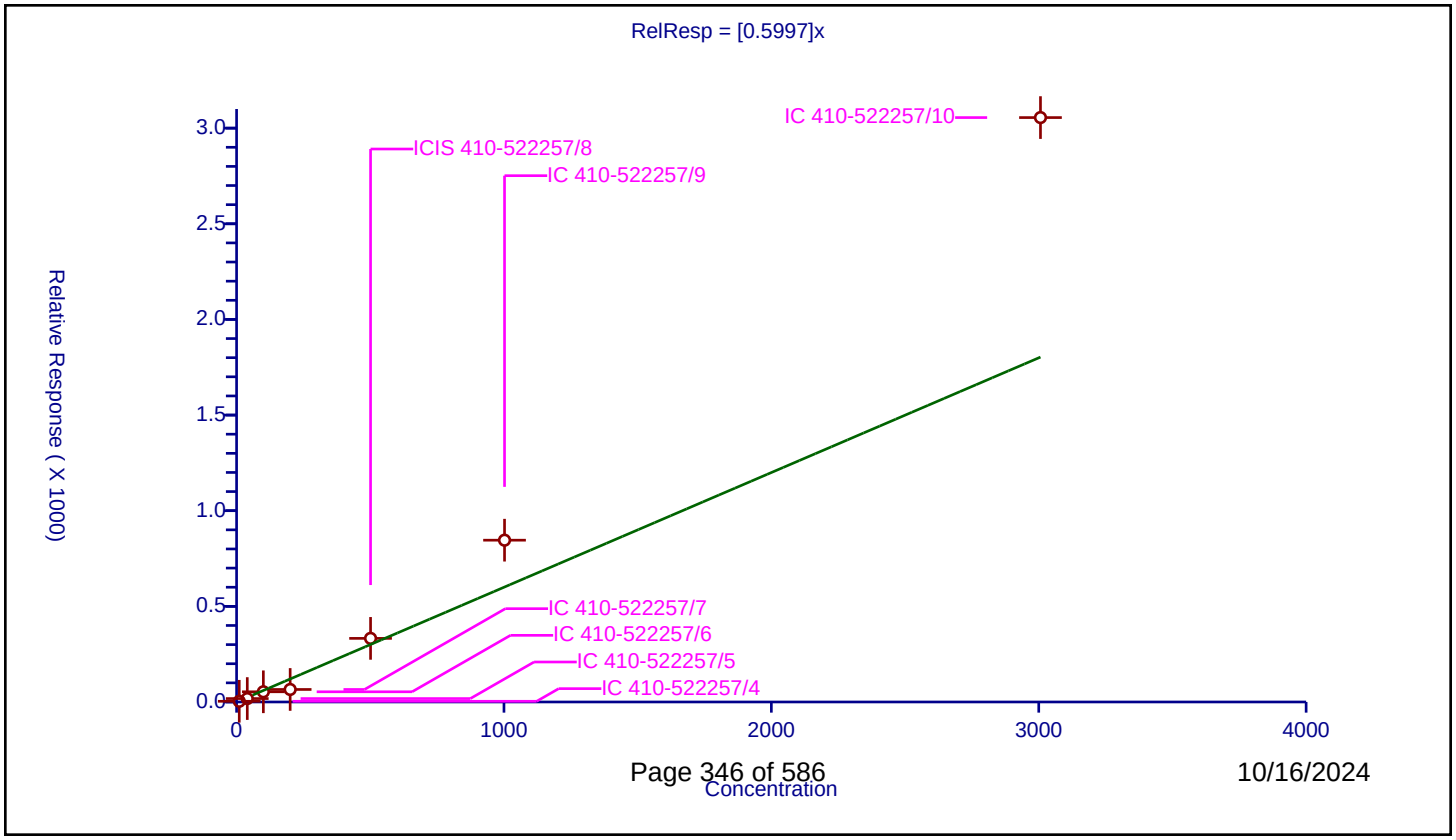
Curve Coefficients

Intercept:	0
Slope:	0.5997

Error Coefficients

Relative Standard Deviation:	42.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	10.021748	3.676832	250.0	243960.0	0.366885	Y
2	IC 410-522257/5	40.086992	17.980012	250.0	232244.0	0.448525	Y
3	IC 410-522257/6	100.217479	53.35684	250.0	230008.0	0.532411	Y
4	IC 410-522257/7	200.434958	65.403702	250.0	241007.0	0.326309	Y
5	ICIS 410-522257/8	501.087394	332.5634	250.0	230323.0	0.663683	Y
6	IC 410-522257/9	1002.174788	845.86563	250.0	228995.0	0.84403	Y
7	IC 410-522257/10	3006.524365	3055.251656	250.0	224215.0	1.016207	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

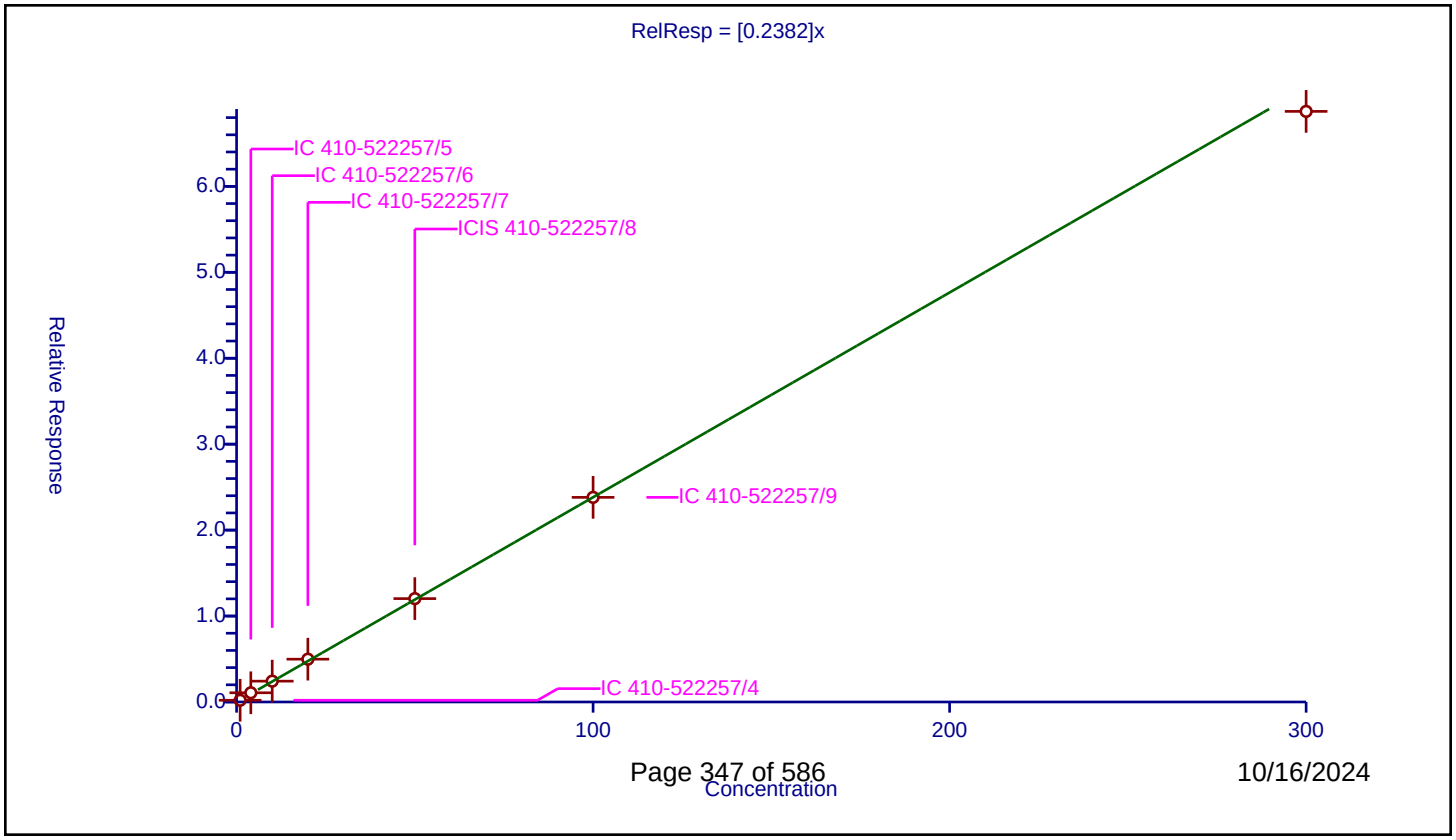
Curve Coefficients

Intercept:	0
Slope:	0.2382

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.200043	50.0	431157.0	0.200043	Y
2	IC 410-522257/5	4.0	1.072902	50.0	425994.0	0.268226	Y
3	IC 410-522257/6	10.0	2.424868	50.0	436333.0	0.242487	Y
4	IC 410-522257/7	20.0	4.983086	50.0	441052.0	0.249154	Y
5	ICIS 410-522257/8	50.0	12.027774	50.0	448911.0	0.240555	Y
6	IC 410-522257/9	100.0	23.812393	50.0	457180.0	0.238124	Y
7	IC 410-522257/10	300.0	68.723125	50.0	477901.0	0.229077	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

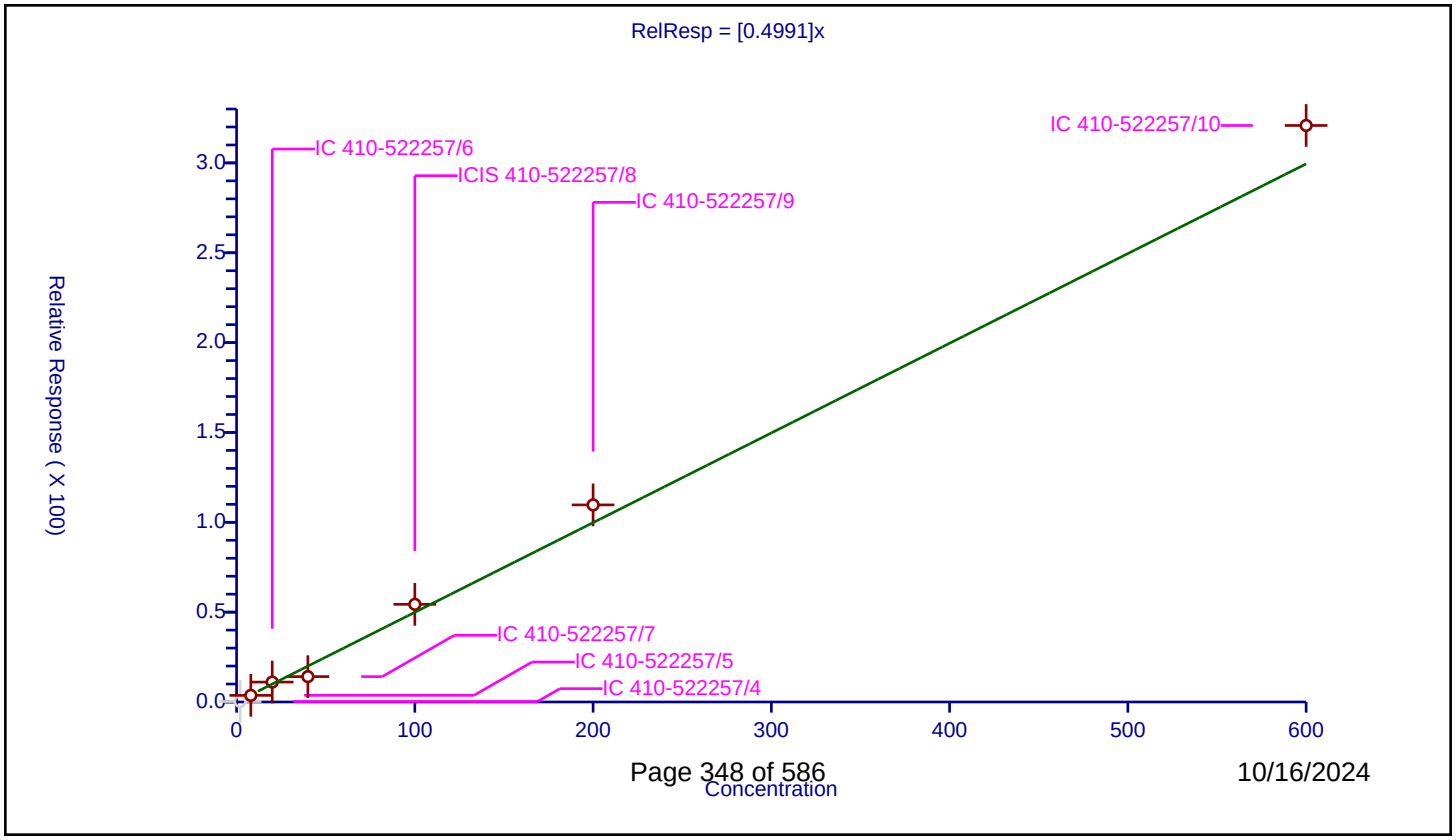
Curve Coefficients

Intercept:	0
Slope:	0.4991

Error Coefficients

Relative Standard Deviation:	15.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	2.0	0.279759	250.0	243960.0	0.139879	N
2	IC 410-522257/5	8.0	3.692237	250.0	232244.0	0.46153	Y
3	IC 410-522257/6	20.0	11.071354	250.0	230008.0	0.553568	Y
4	IC 410-522257/7	40.0	14.118885	250.0	241007.0	0.352972	Y
5	ICIS 410-522257/8	100.0	54.34759	250.0	230323.0	0.543476	Y
6	IC 410-522257/9	200.0	109.671609	250.0	228995.0	0.548358	Y
7	IC 410-522257/10	600.0	320.837143	250.0	224215.0	0.534729	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

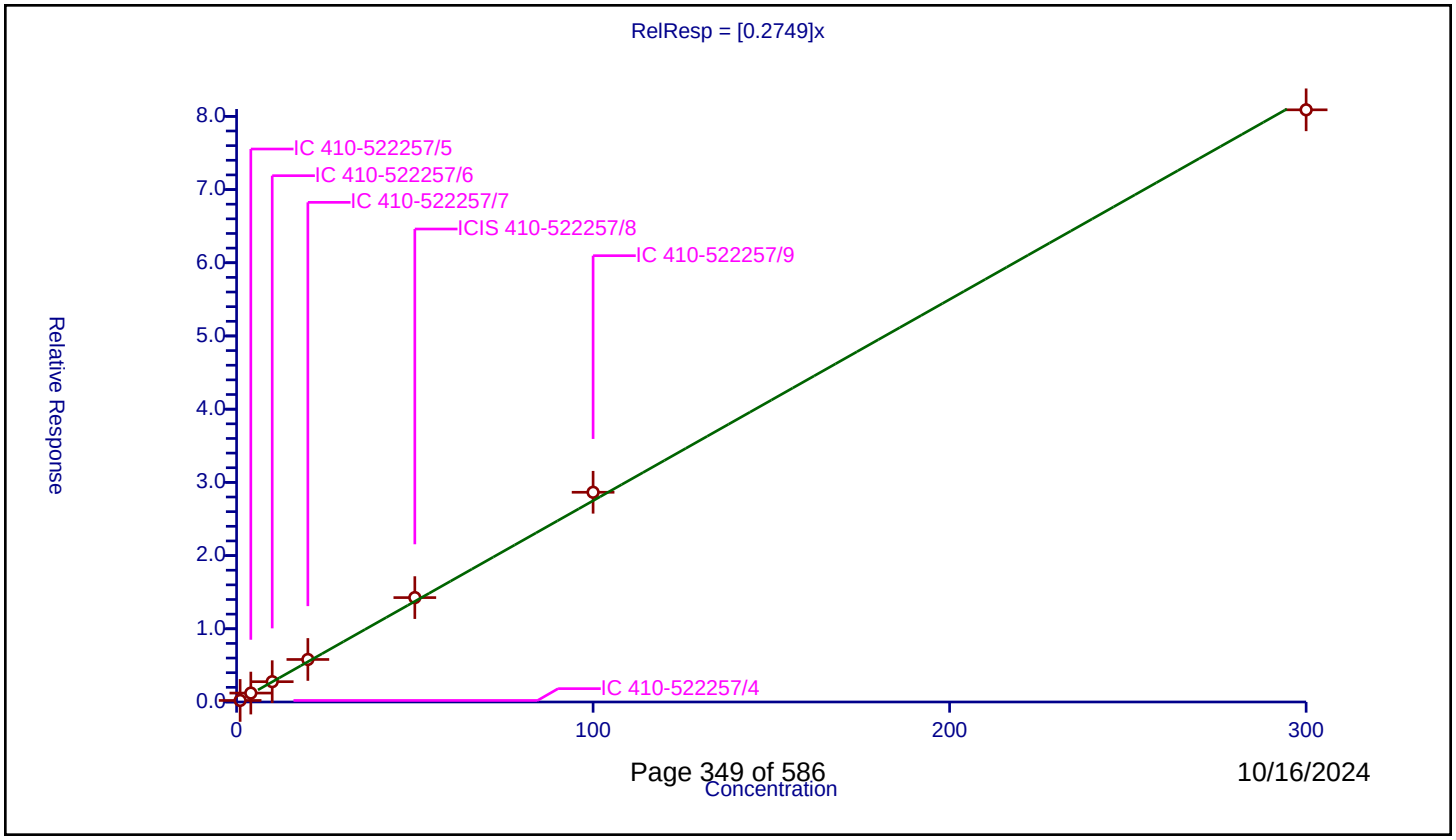
Curve Coefficients

Intercept:	0
Slope:	0.2749

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.210828	50.0	431157.0	0.210828	Y
2	IC 410-522257/5	4.0	1.217975	50.0	425994.0	0.304494	Y
3	IC 410-522257/6	10.0	2.775059	50.0	436333.0	0.277506	Y
4	IC 410-522257/7	20.0	5.809406	50.0	441052.0	0.29047	Y
5	ICIS 410-522257/8	50.0	14.259954	50.0	448911.0	0.285199	Y
6	IC 410-522257/9	100.0	28.646048	50.0	457180.0	0.28646	Y
7	IC 410-522257/10	300.0	80.888929	50.0	477901.0	0.26963	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

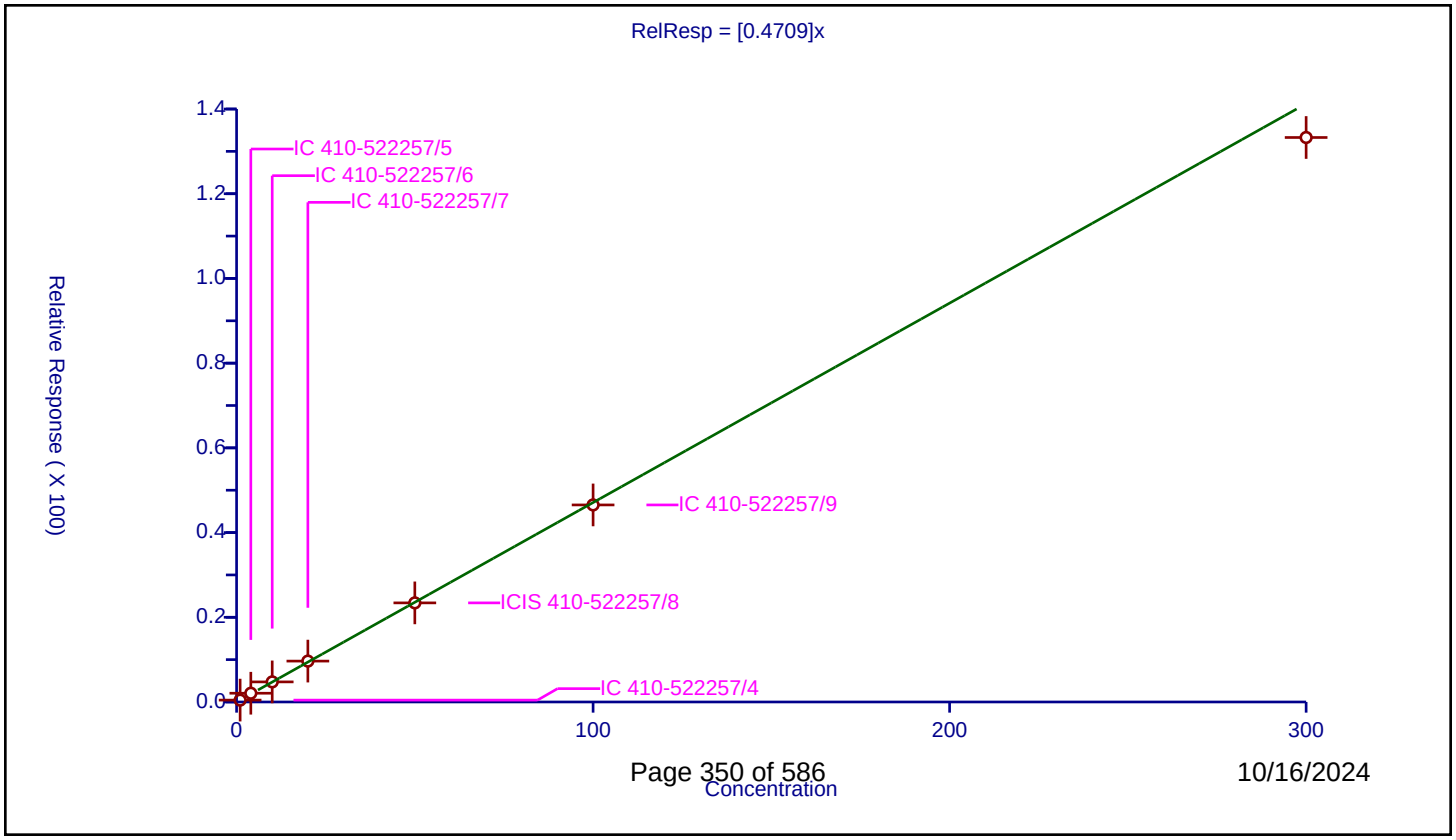
Curve Coefficients

Intercept:	0
Slope:	0.4709

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.443922	50.0	431157.0	0.443922	Y
2	IC 410-522257/5	4.0	2.070452	50.0	425994.0	0.517613	Y
3	IC 410-522257/6	10.0	4.742708	50.0	436333.0	0.474271	Y
4	IC 410-522257/7	20.0	9.654077	50.0	441052.0	0.482704	Y
5	ICIS 410-522257/8	50.0	23.397399	50.0	448911.0	0.467948	Y
6	IC 410-522257/9	100.0	46.524673	50.0	457180.0	0.465247	Y
7	IC 410-522257/10	300.0	133.274883	50.0	477901.0	0.44425	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

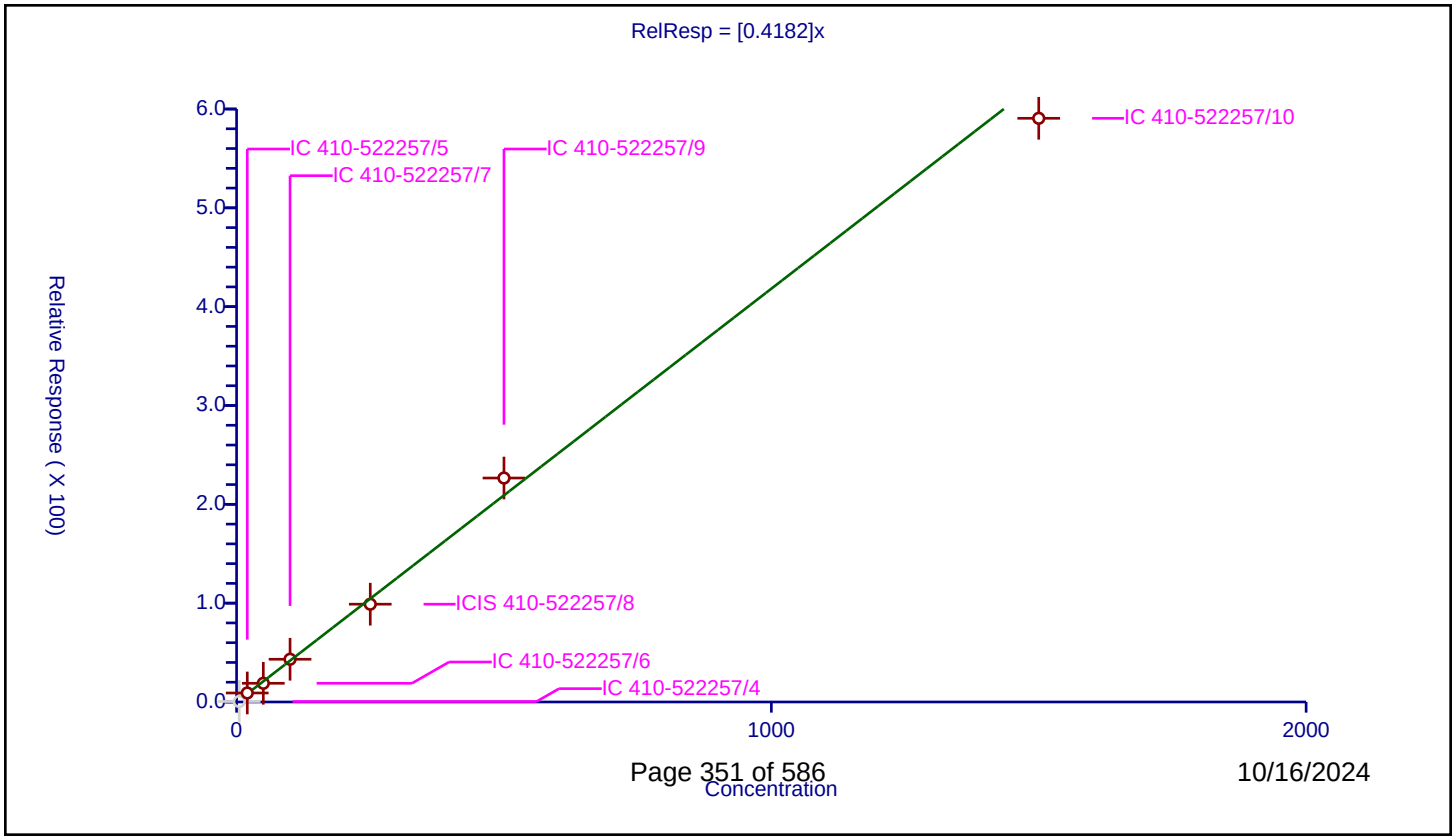
Curve Coefficients

Intercept:	0
Slope:	0.4182

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	5.0	0.490859	250.0	243960.0	0.098172	N
2	IC 410-522257/5	20.0	9.101419	250.0	232244.0	0.455071	Y
3	IC 410-522257/6	50.0	18.939559	250.0	230008.0	0.378791	Y
4	IC 410-522257/7	100.0	43.248744	250.0	241007.0	0.432487	Y
5	ICIS 410-522257/8	250.0	98.963195	250.0	230323.0	0.395853	Y
6	IC 410-522257/9	500.0	226.617393	250.0	228995.0	0.453235	Y
7	IC 410-522257/10	1500.0	590.60723	250.0	224215.0	0.393738	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

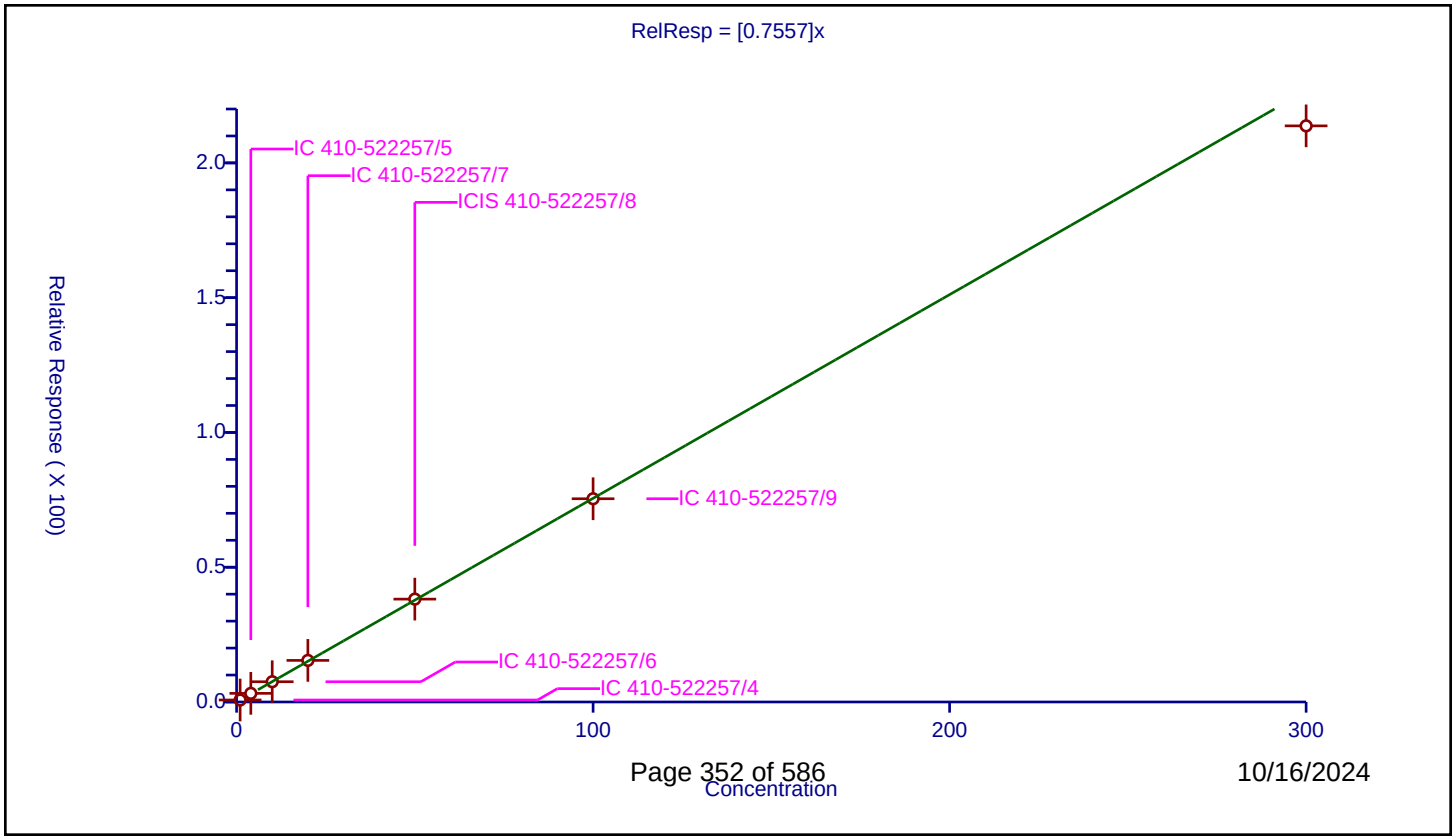
Curve Coefficients

Intercept:	0
Slope:	0.7557

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.735695	50.0	431157.0	0.735695	Y
2	IC 410-522257/5	4.0	3.204153	50.0	425994.0	0.801038	Y
3	IC 410-522257/6	10.0	7.518226	50.0	436333.0	0.751823	Y
4	IC 410-522257/7	20.0	15.425165	50.0	441052.0	0.771258	Y
5	ICIS 410-522257/8	50.0	38.169258	50.0	448911.0	0.763385	Y
6	IC 410-522257/9	100.0	75.408373	50.0	457180.0	0.754084	Y
7	IC 410-522257/10	300.0	213.750756	50.0	477901.0	0.712503	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

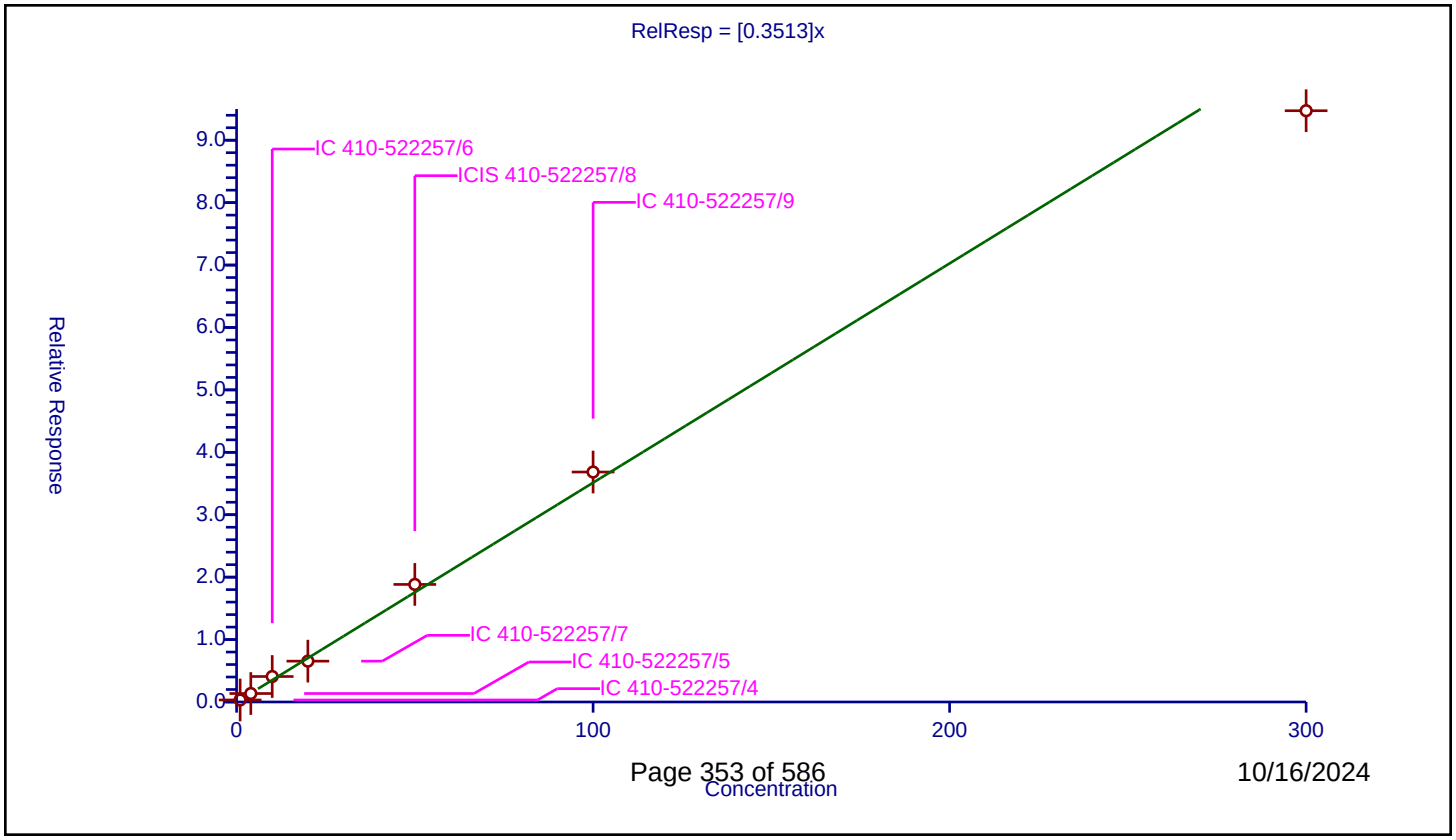
Curve Coefficients

Intercept:	0
Slope:	0.3513

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.323664	50.0	431157.0	0.323664	Y
2	IC 410-522257/5	4.0	1.357296	50.0	425994.0	0.339324	Y
3	IC 410-522257/6	10.0	4.082891	50.0	436333.0	0.408289	Y
4	IC 410-522257/7	20.0	6.541859	50.0	441052.0	0.327093	Y
5	ICIS 410-522257/8	50.0	18.833577	50.0	448911.0	0.376672	Y
6	IC 410-522257/9	100.0	36.841069	50.0	457180.0	0.368411	Y
7	IC 410-522257/10	300.0	94.724535	50.0	477901.0	0.315748	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

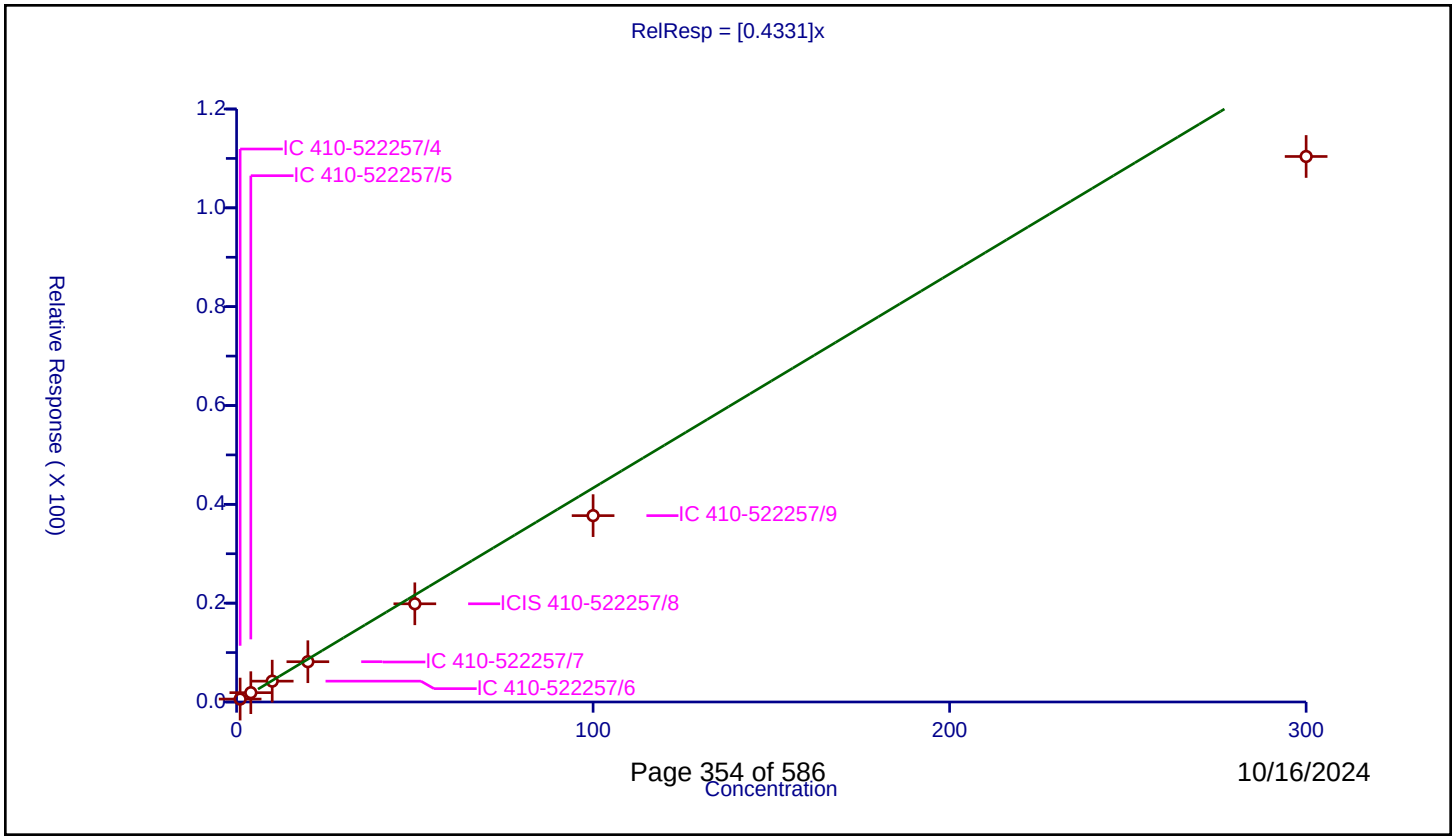
Curve Coefficients

Intercept:	0
Slope:	0.4331

Error Coefficients

Relative Standard Deviation:	17.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.588417	50.0	431157.0	0.588417	Y
2	IC 410-522257/5	4.0	1.88512	50.0	425994.0	0.47128	Y
3	IC 410-522257/6	10.0	4.217077	50.0	436333.0	0.421708	Y
4	IC 410-522257/7	20.0	8.150059	50.0	441052.0	0.407503	Y
5	ICIS 410-522257/8	50.0	19.872759	50.0	448911.0	0.397455	Y
6	IC 410-522257/9	100.0	37.713811	50.0	457180.0	0.377138	Y
7	IC 410-522257/10	300.0	110.394831	50.0	477901.0	0.367983	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

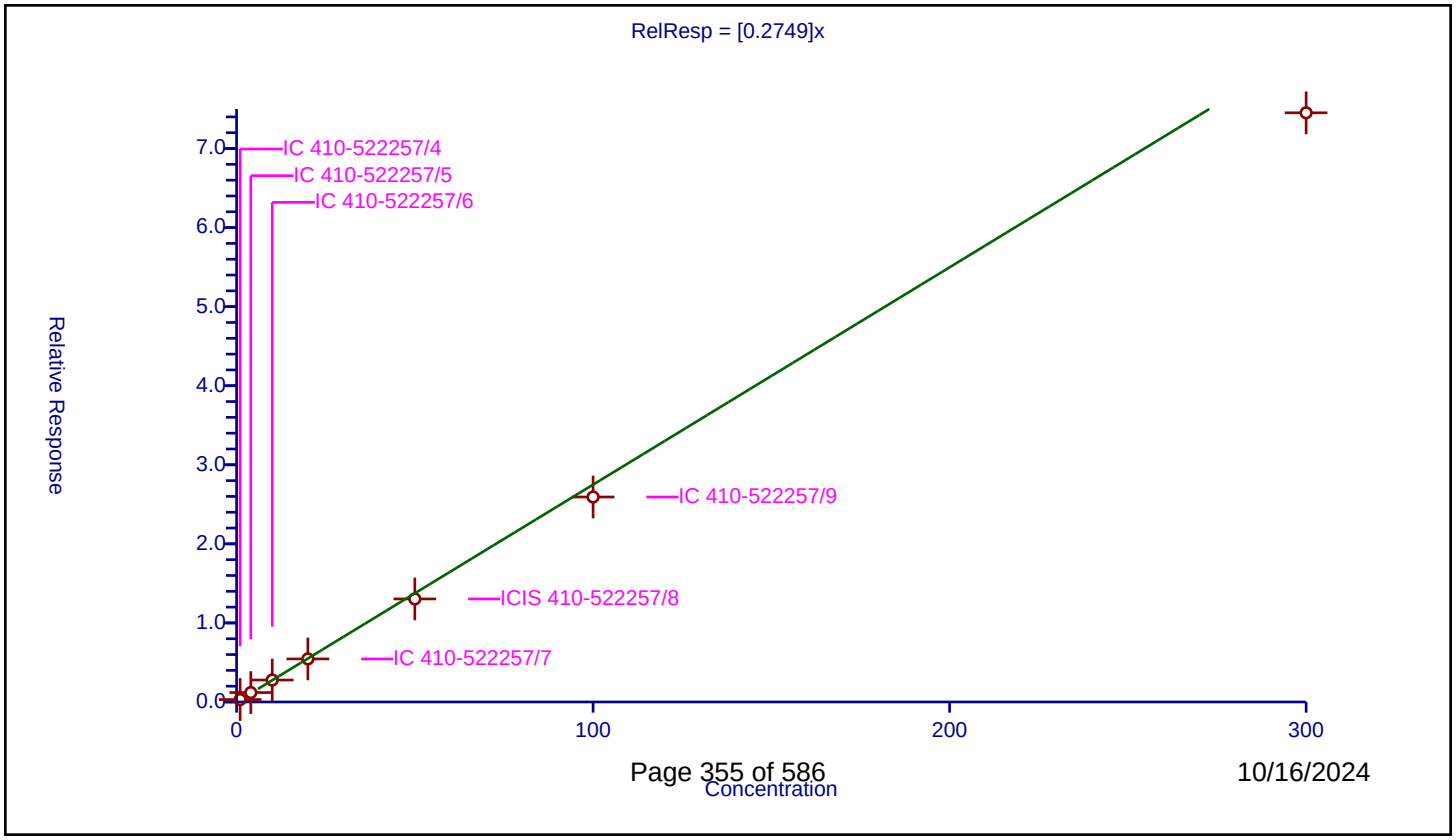
Curve Coefficients

Intercept:	0
Slope:	0.2749

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.308008	50.0	431157.0	0.308008	Y
2	IC 410-522257/5	4.0	1.191566	50.0	425994.0	0.297892	Y
3	IC 410-522257/6	10.0	2.776778	50.0	436333.0	0.277678	Y
4	IC 410-522257/7	20.0	5.44539	50.0	441052.0	0.272269	Y
5	ICIS 410-522257/8	50.0	13.035657	50.0	448911.0	0.260713	Y
6	IC 410-522257/9	100.0	25.926003	50.0	457180.0	0.25926	Y
7	IC 410-522257/10	300.0	74.521815	50.0	477901.0	0.248406	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

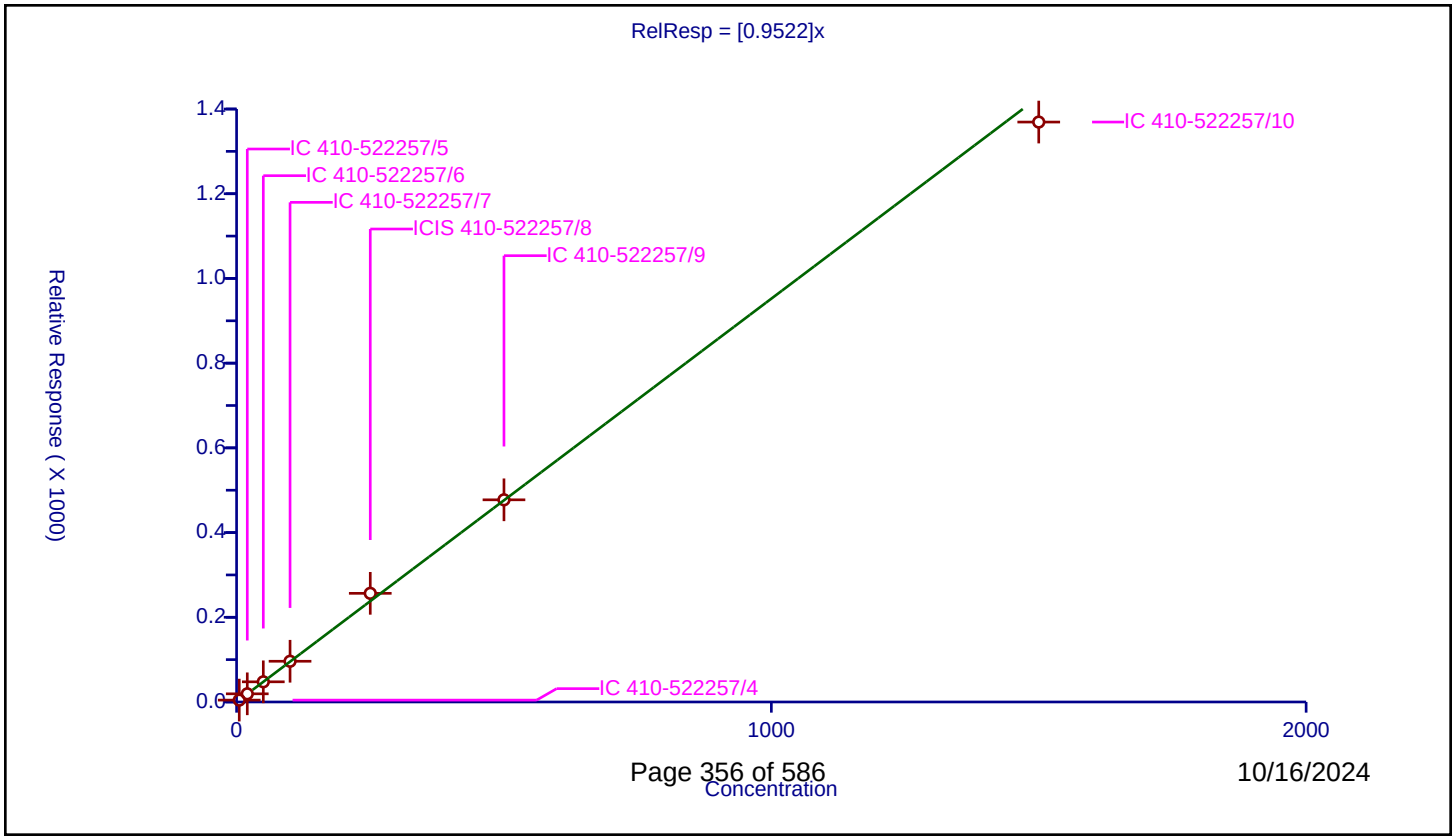
Curve Coefficients

Intercept:	0
Slope:	0.9522

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	5.0	4.455648	250.0	243960.0	0.89113	Y
2	IC 410-522257/5	20.0	19.324504	250.0	232244.0	0.966225	Y
3	IC 410-522257/6	50.0	47.645082	250.0	230008.0	0.952902	Y
4	IC 410-522257/7	100.0	96.181854	250.0	241007.0	0.961819	Y
5	ICIS 410-522257/8	250.0	256.552754	250.0	230323.0	1.026211	Y
6	IC 410-522257/9	500.0	477.319374	250.0	228995.0	0.954639	Y
7	IC 410-522257/10	1500.0	1369.182481	250.0	224215.0	0.912788	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

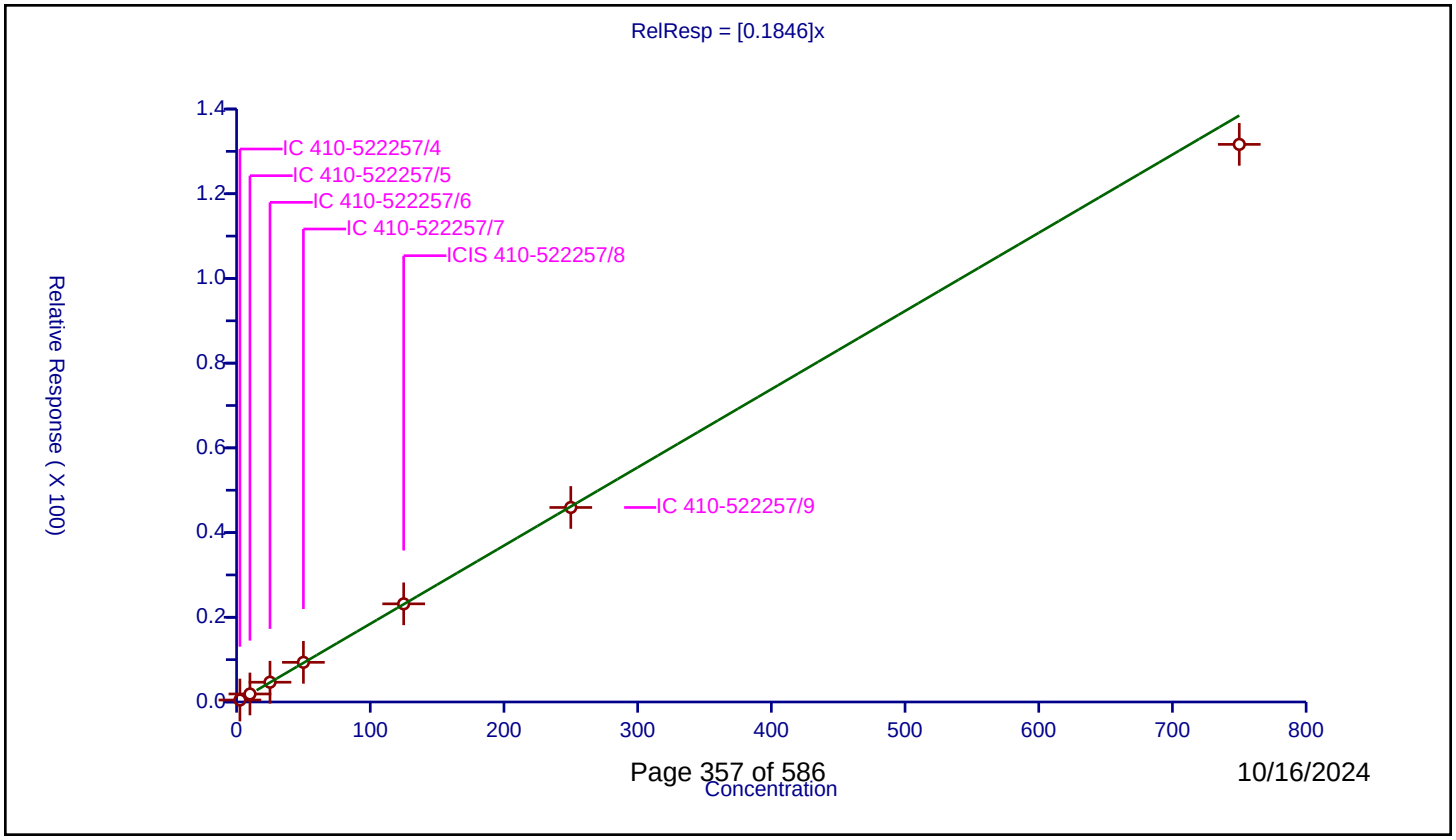
Curve Coefficients

Intercept:	0
Slope:	0.1846

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	2.5	0.461781	50.0	431157.0	0.184712	Y
2	IC 410-522257/5	10.0	1.891106	50.0	425994.0	0.189111	Y
3	IC 410-522257/6	25.0	4.665932	50.0	436333.0	0.186637	Y
4	IC 410-522257/7	50.0	9.362275	50.0	441052.0	0.187245	Y
5	ICIS 410-522257/8	125.0	23.171854	50.0	448911.0	0.185375	Y
6	IC 410-522257/9	250.0	45.924581	50.0	457180.0	0.183698	Y
7	IC 410-522257/10	750.0	131.650593	50.0	477901.0	0.175534	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

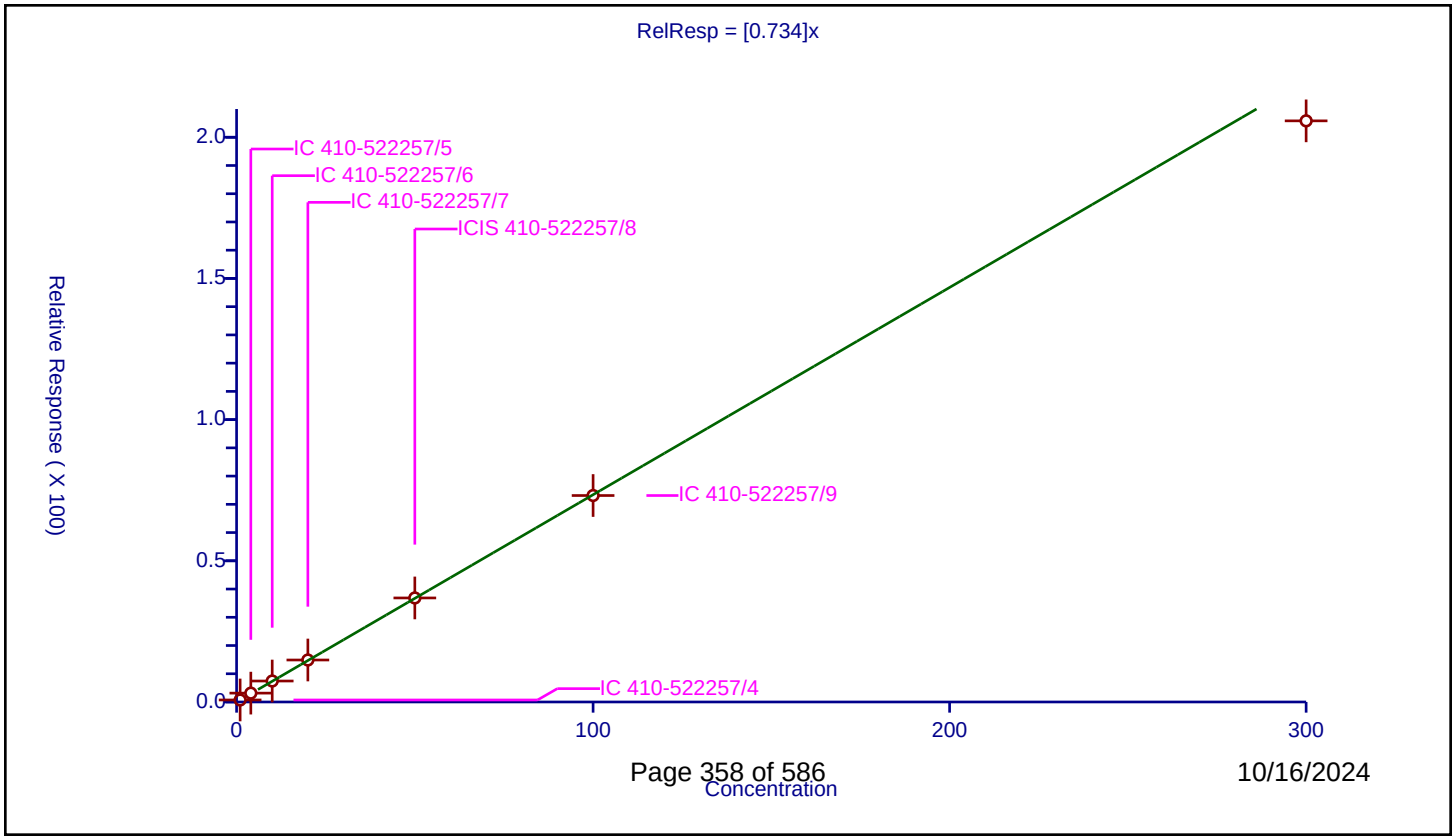
Curve Coefficients

Intercept:	0
Slope:	0.734

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.713197	50.0	431157.0	0.713197	Y
2	IC 410-522257/5	4.0	3.13819	50.0	425994.0	0.784547	Y
3	IC 410-522257/6	10.0	7.428272	50.0	436333.0	0.742827	Y
4	IC 410-522257/7	20.0	14.871943	50.0	441052.0	0.743597	Y
5	ICIS 410-522257/8	50.0	36.843717	50.0	448911.0	0.736874	Y
6	IC 410-522257/9	100.0	73.120543	50.0	457180.0	0.731205	Y
7	IC 410-522257/10	300.0	205.808421	50.0	477901.0	0.686028	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

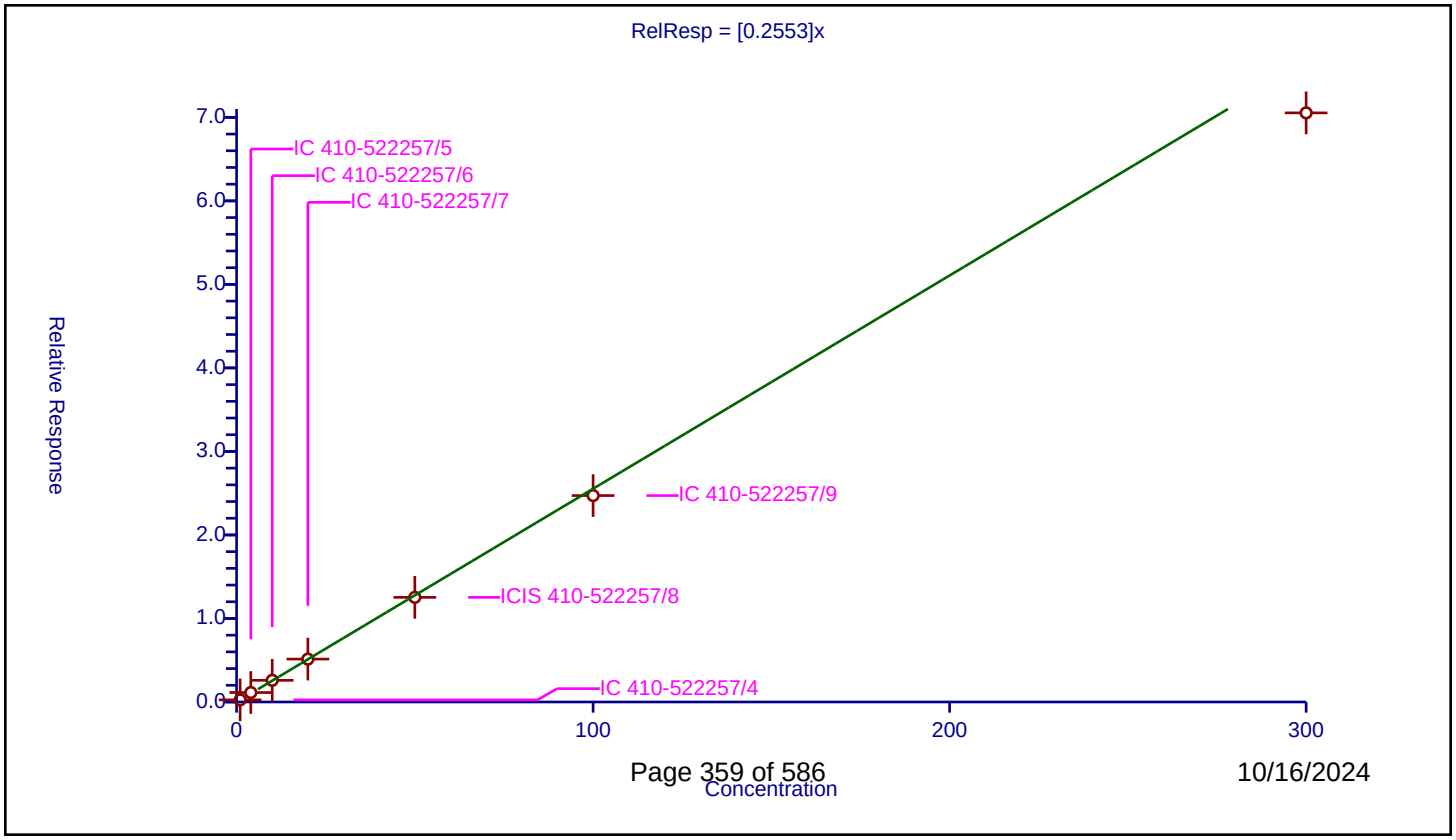
Curve Coefficients

Intercept:	0
Slope:	0.2553

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.255127	50.0	431157.0	0.255127	Y
2	IC 410-522257/5	4.0	1.133232	50.0	425994.0	0.283308	Y
3	IC 410-522257/6	10.0	2.593088	50.0	436333.0	0.259309	Y
4	IC 410-522257/7	20.0	5.134315	50.0	441052.0	0.256716	Y
5	ICIS 410-522257/8	50.0	12.527873	50.0	448911.0	0.250557	Y
6	IC 410-522257/9	100.0	24.716086	50.0	457180.0	0.247161	Y
7	IC 410-522257/10	300.0	70.537517	50.0	477901.0	0.235125	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

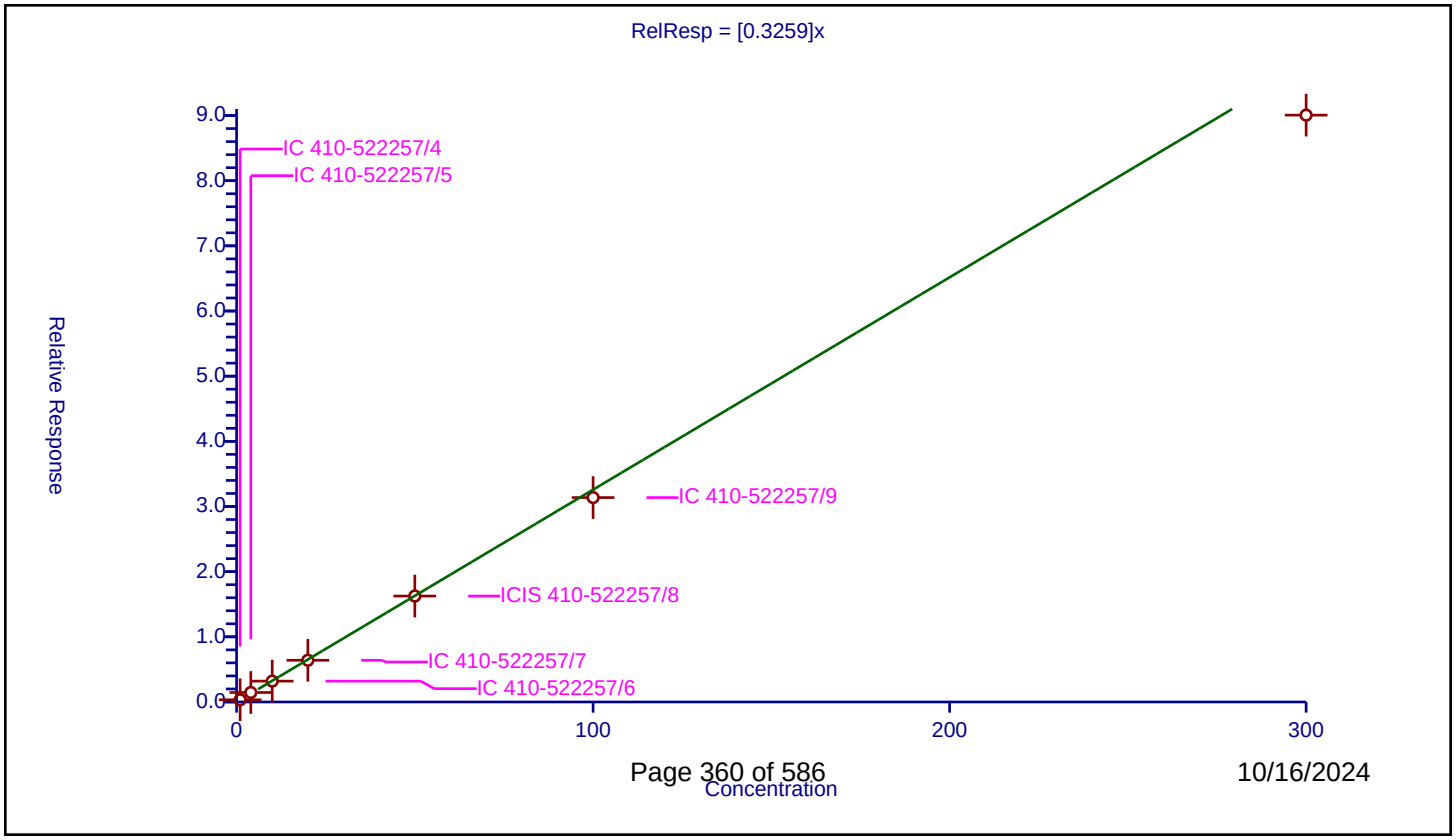
Curve Coefficients

Intercept:	0
Slope:	0.3259

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.336884	50.0	431157.0	0.336884	Y
2	IC 410-522257/5	4.0	1.459528	50.0	425994.0	0.364882	Y
3	IC 410-522257/6	10.0	3.200881	50.0	436333.0	0.320088	Y
4	IC 410-522257/7	20.0	6.400719	50.0	441052.0	0.320036	Y
5	ICIS 410-522257/8	50.0	16.258791	50.0	448911.0	0.325176	Y
6	IC 410-522257/9	100.0	31.371342	50.0	457180.0	0.313713	Y
7	IC 410-522257/10	300.0	90.062795	50.0	477901.0	0.300209	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

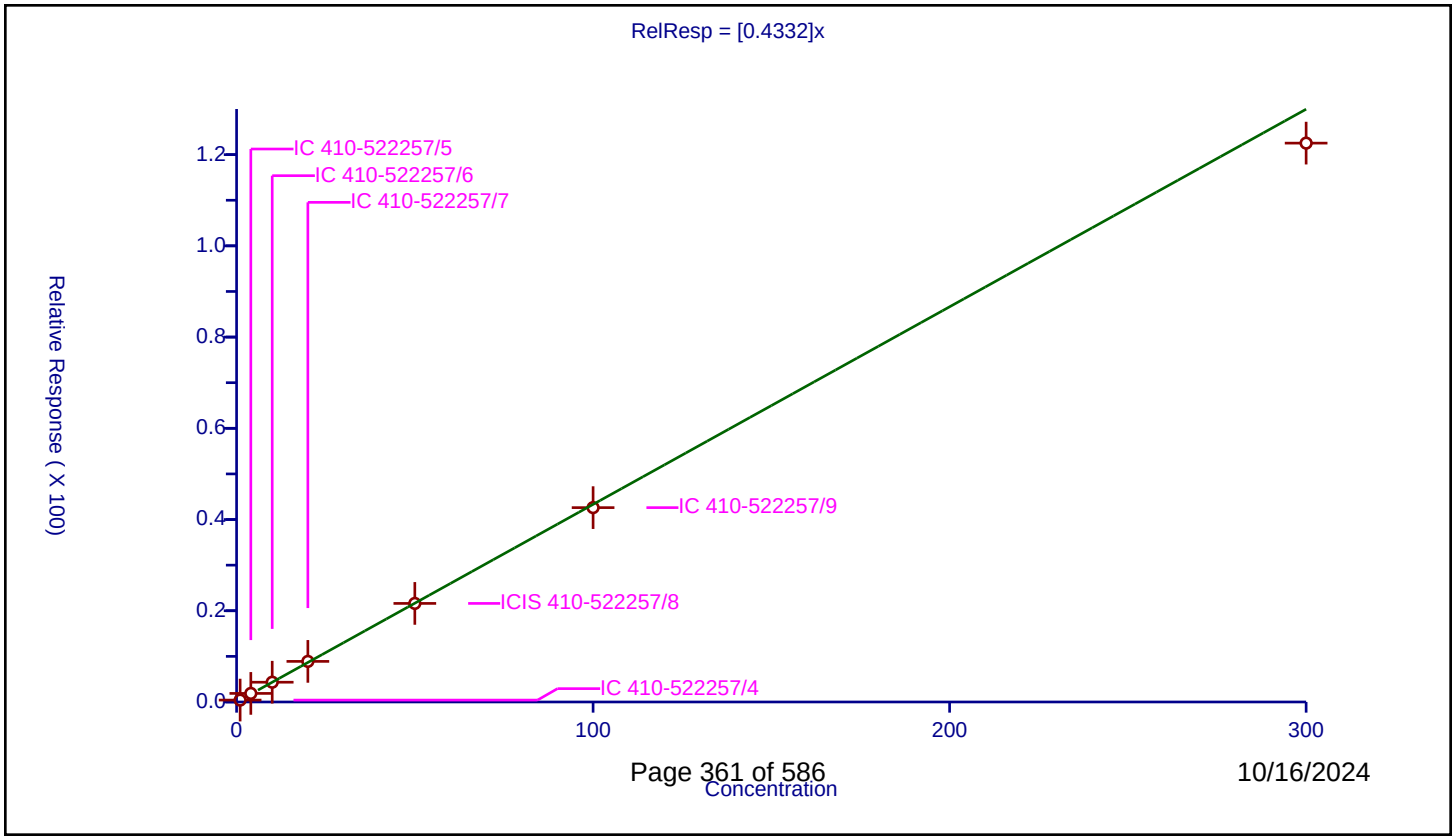
Curve Coefficients

Intercept:	0
Slope:	0.4332

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.416786	50.0	431157.0	0.416786	Y
2	IC 410-522257/5	4.0	1.882069	50.0	425994.0	0.470517	Y
3	IC 410-522257/6	10.0	4.334419	50.0	436333.0	0.433442	Y
4	IC 410-522257/7	20.0	8.899064	50.0	441052.0	0.444953	Y
5	ICIS 410-522257/8	50.0	21.610742	50.0	448911.0	0.432215	Y
6	IC 410-522257/9	100.0	42.608929	50.0	457180.0	0.426089	Y
7	IC 410-522257/10	300.0	122.522552	50.0	477901.0	0.408409	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

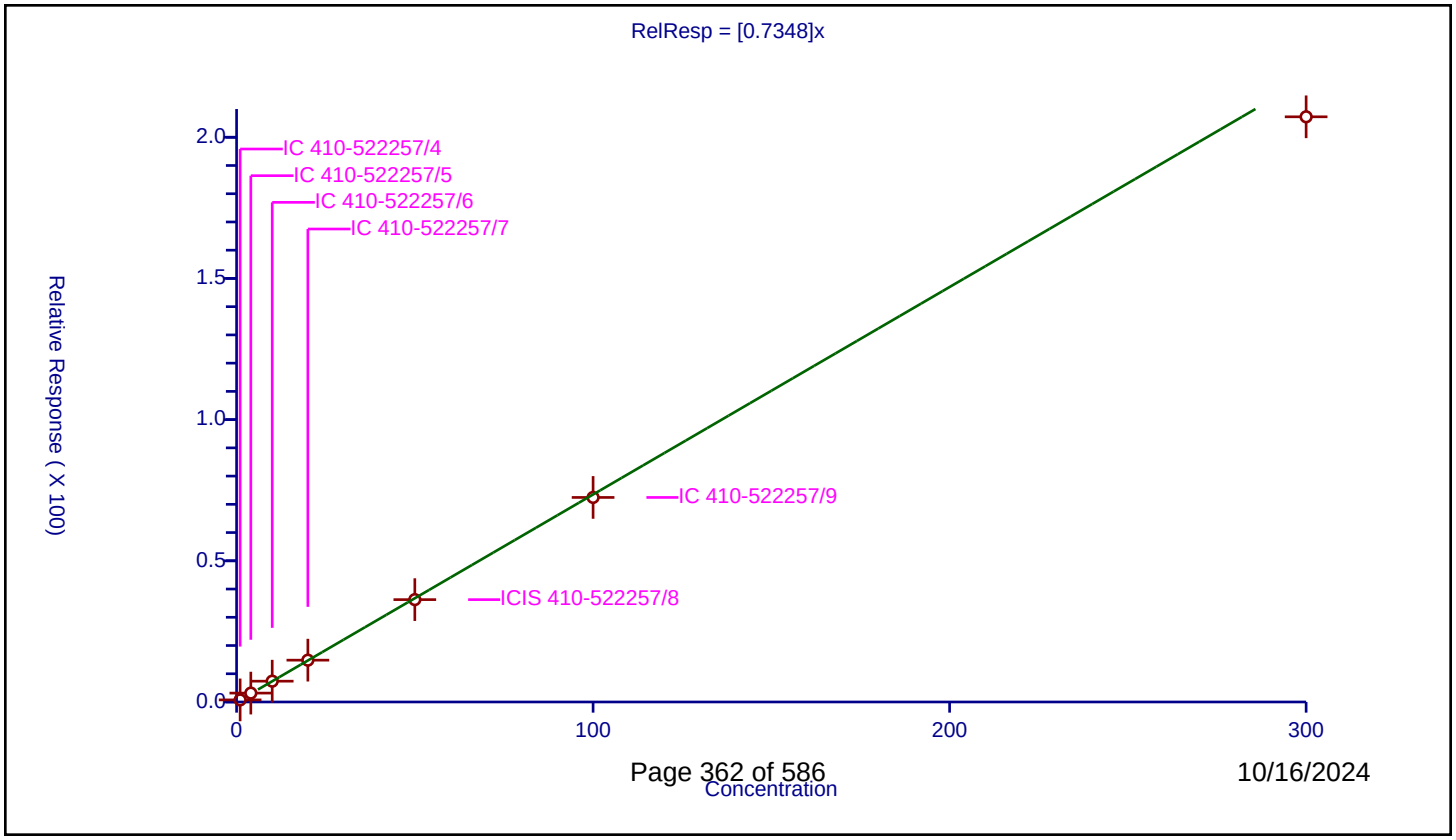
Curve Coefficients

Intercept:	0
Slope:	0.7348

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.738826	50.0	431157.0	0.738826	Y
2	IC 410-522257/5	4.0	3.147814	50.0	425994.0	0.786954	Y
3	IC 410-522257/6	10.0	7.373038	50.0	436333.0	0.737304	Y
4	IC 410-522257/7	20.0	14.810272	50.0	441052.0	0.740514	Y
5	ICIS 410-522257/8	50.0	36.249502	50.0	448911.0	0.72499	Y
6	IC 410-522257/9	100.0	72.439521	50.0	457180.0	0.724395	Y
7	IC 410-522257/10	300.0	207.242086	50.0	477901.0	0.690807	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

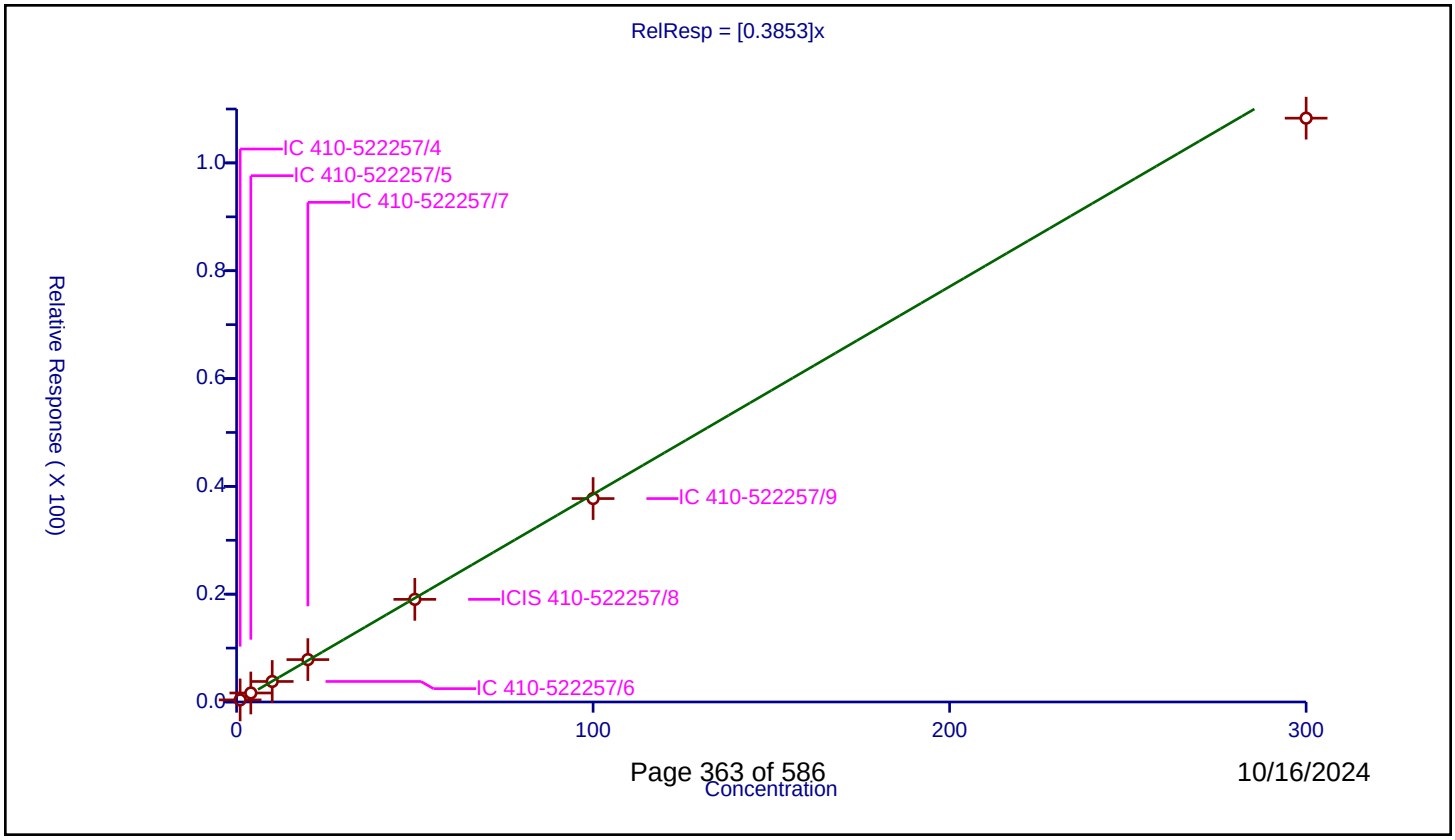
Curve Coefficients

Intercept:	0
Slope:	0.3853

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.386634	50.0	431157.0	0.386634	Y
2	IC 410-522257/5	4.0	1.669977	50.0	425994.0	0.417494	Y
3	IC 410-522257/6	10.0	3.806038	50.0	436333.0	0.380604	Y
4	IC 410-522257/7	20.0	7.862225	50.0	441052.0	0.393111	Y
5	ICIS 410-522257/8	50.0	19.039743	50.0	448911.0	0.380795	Y
6	IC 410-522257/9	100.0	37.73459	50.0	457180.0	0.377346	Y
7	IC 410-522257/10	300.0	108.30444	50.0	477901.0	0.361015	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

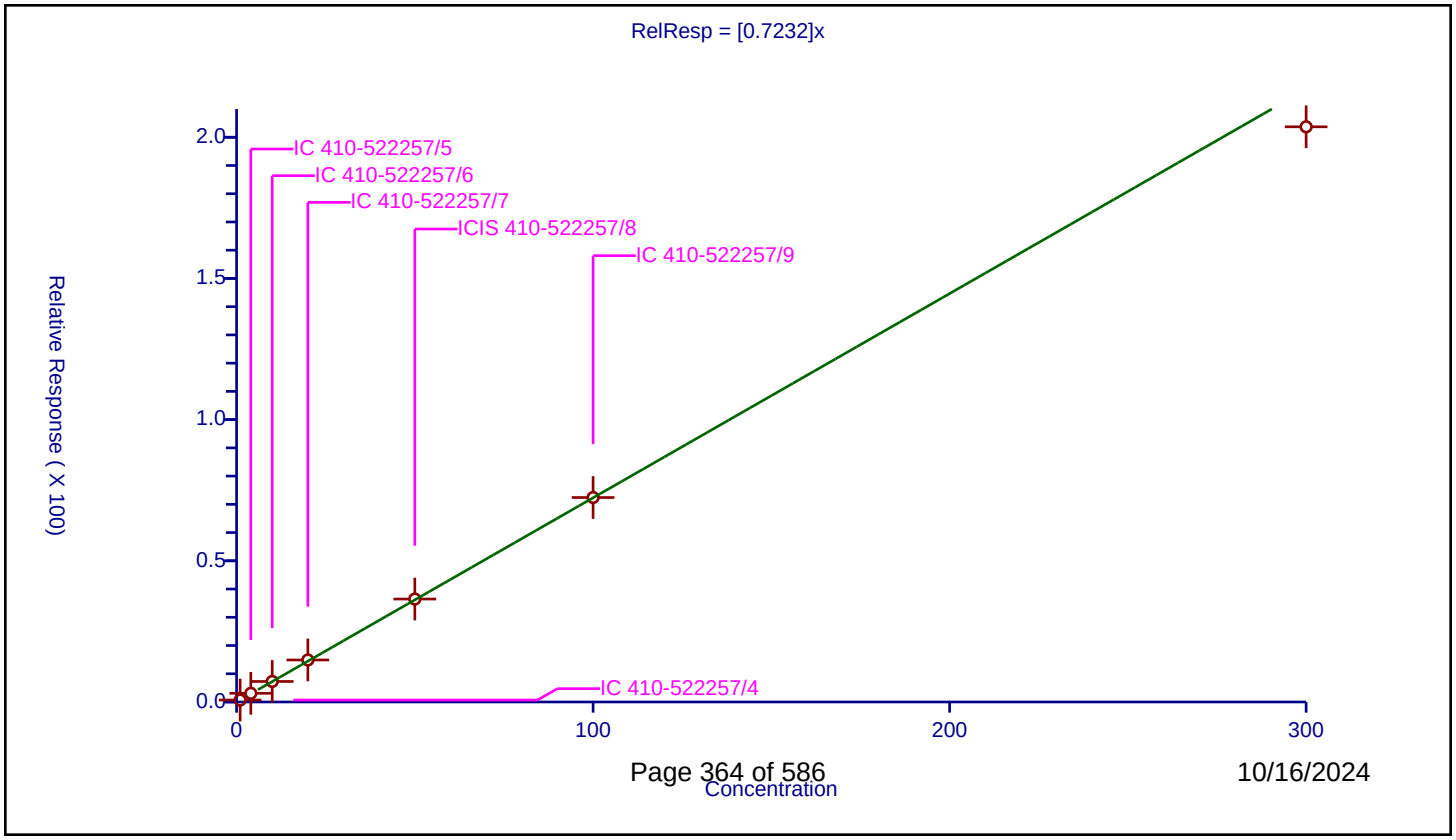
Curve Coefficients

Intercept:	0
Slope:	0.7232

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.689772	50.0	431157.0	0.689772	Y
2	IC 410-522257/5	4.0	3.076687	50.0	425994.0	0.769172	Y
3	IC 410-522257/6	10.0	7.269562	50.0	436333.0	0.726956	Y
4	IC 410-522257/7	20.0	14.878178	50.0	441052.0	0.743909	Y
5	ICIS 410-522257/8	50.0	36.459009	50.0	448911.0	0.72918	Y
6	IC 410-522257/9	100.0	72.412726	50.0	457180.0	0.724127	Y
7	IC 410-522257/10	300.0	203.701603	50.0	477901.0	0.679005	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

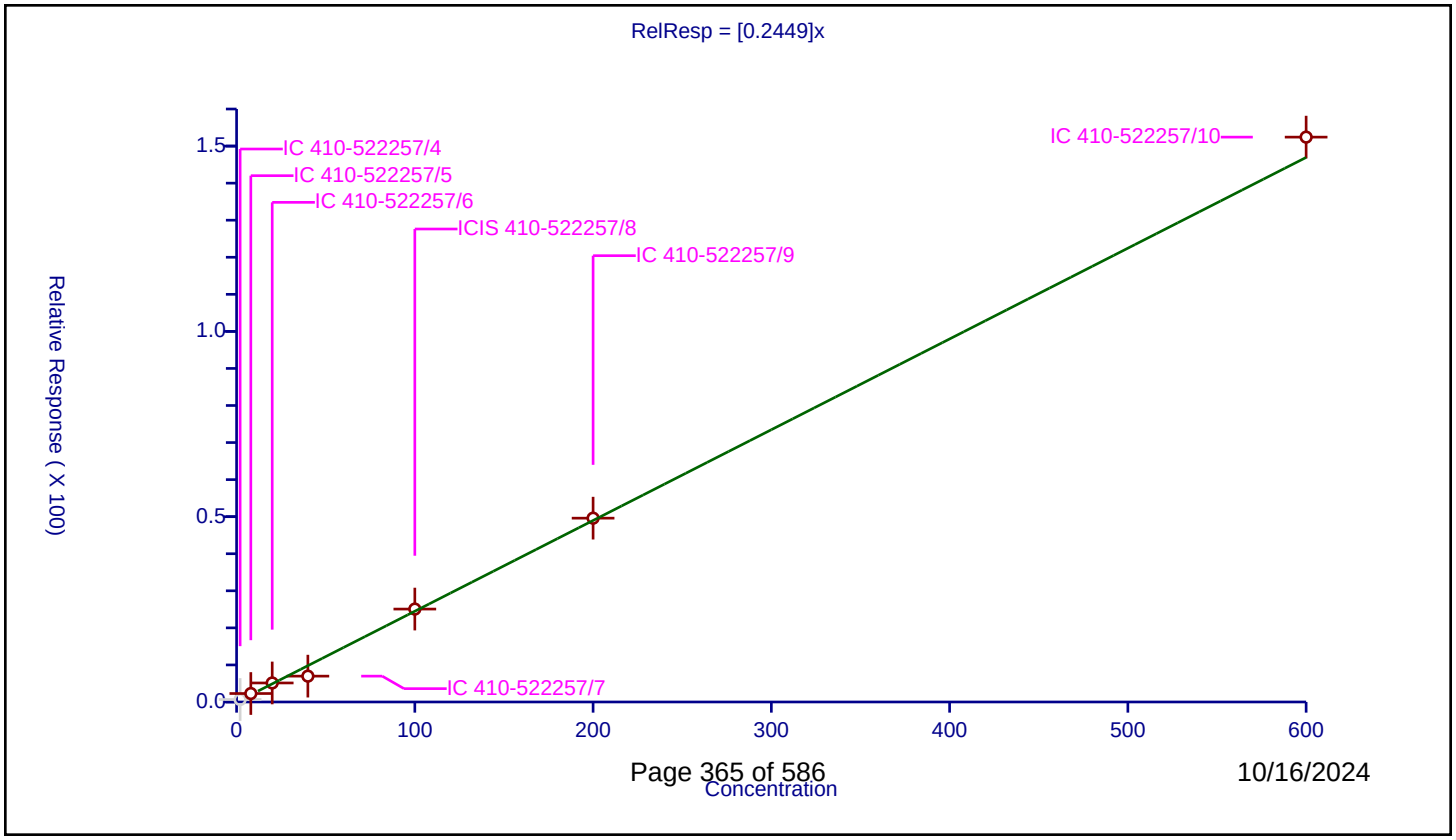
Curve Coefficients

Intercept:	0
Slope:	0.2449

Error Coefficients

Relative Standard Deviation:	15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	2.0	0.670985	50.0	431157.0	0.335493	N
2	IC 410-522257/5	8.0	2.284891	50.0	425994.0	0.285611	Y
3	IC 410-522257/6	20.0	5.133465	50.0	436333.0	0.256673	Y
4	IC 410-522257/7	40.0	6.972987	50.0	441052.0	0.174325	Y
5	ICIS 410-522257/8	100.0	25.069446	50.0	448911.0	0.250694	Y
6	IC 410-522257/9	200.0	49.599173	50.0	457180.0	0.247996	Y
7	IC 410-522257/10	600.0	152.418493	50.0	477901.0	0.254031	Y



10/16/2024

Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

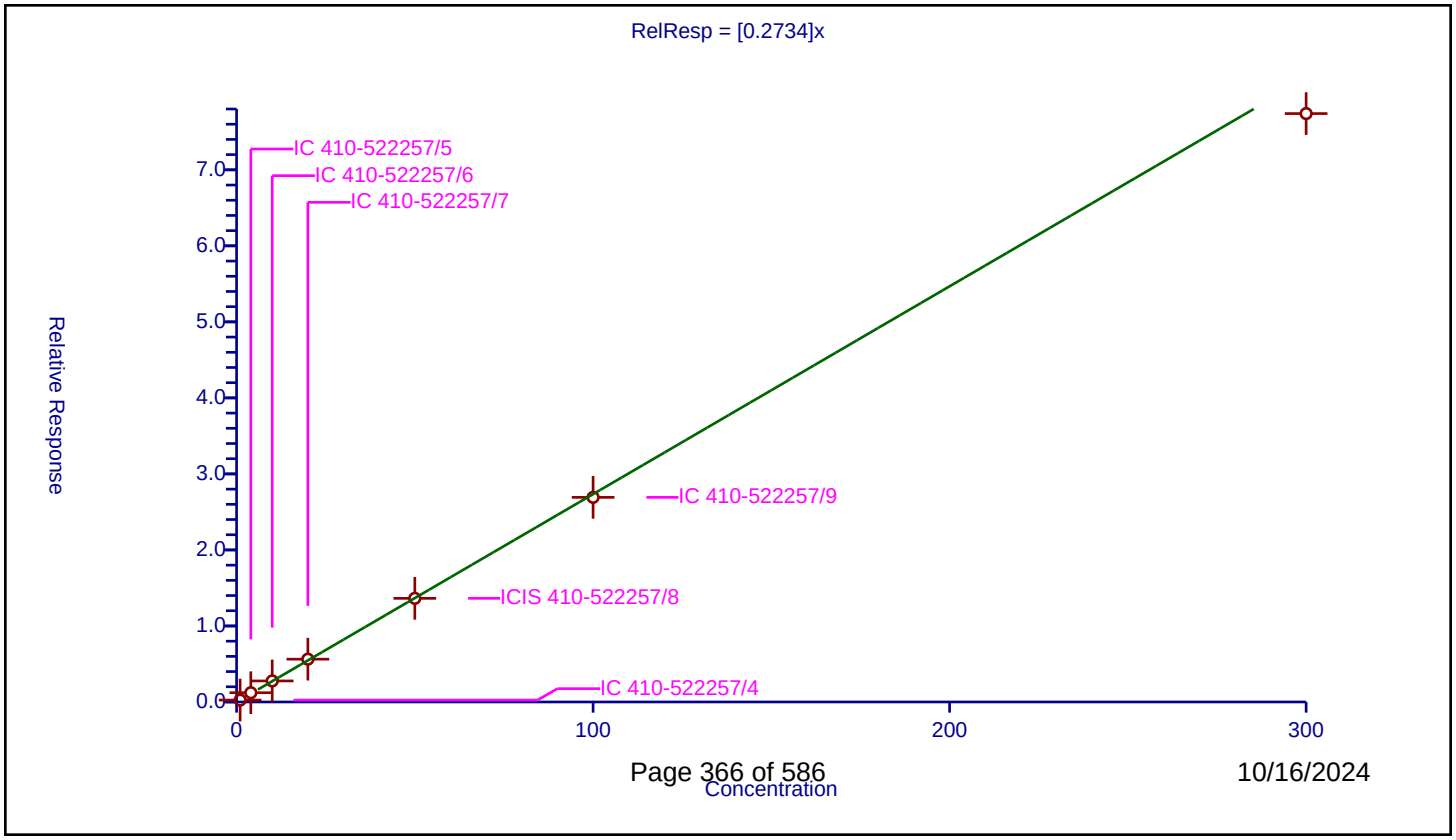
Curve Coefficients

Intercept:	0
Slope:	0.2734

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.250721	50.0	431157.0	0.250721	Y
2	IC 410-522257/5	4.0	1.218562	50.0	425994.0	0.30464	Y
3	IC 410-522257/6	10.0	2.769903	50.0	436333.0	0.27699	Y
4	IC 410-522257/7	20.0	5.630742	50.0	441052.0	0.281537	Y
5	ICIS 410-522257/8	50.0	13.63366	50.0	448911.0	0.272673	Y
6	IC 410-522257/9	100.0	26.918391	50.0	457180.0	0.269184	Y
7	IC 410-522257/10	300.0	77.399399	50.0	477901.0	0.257998	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

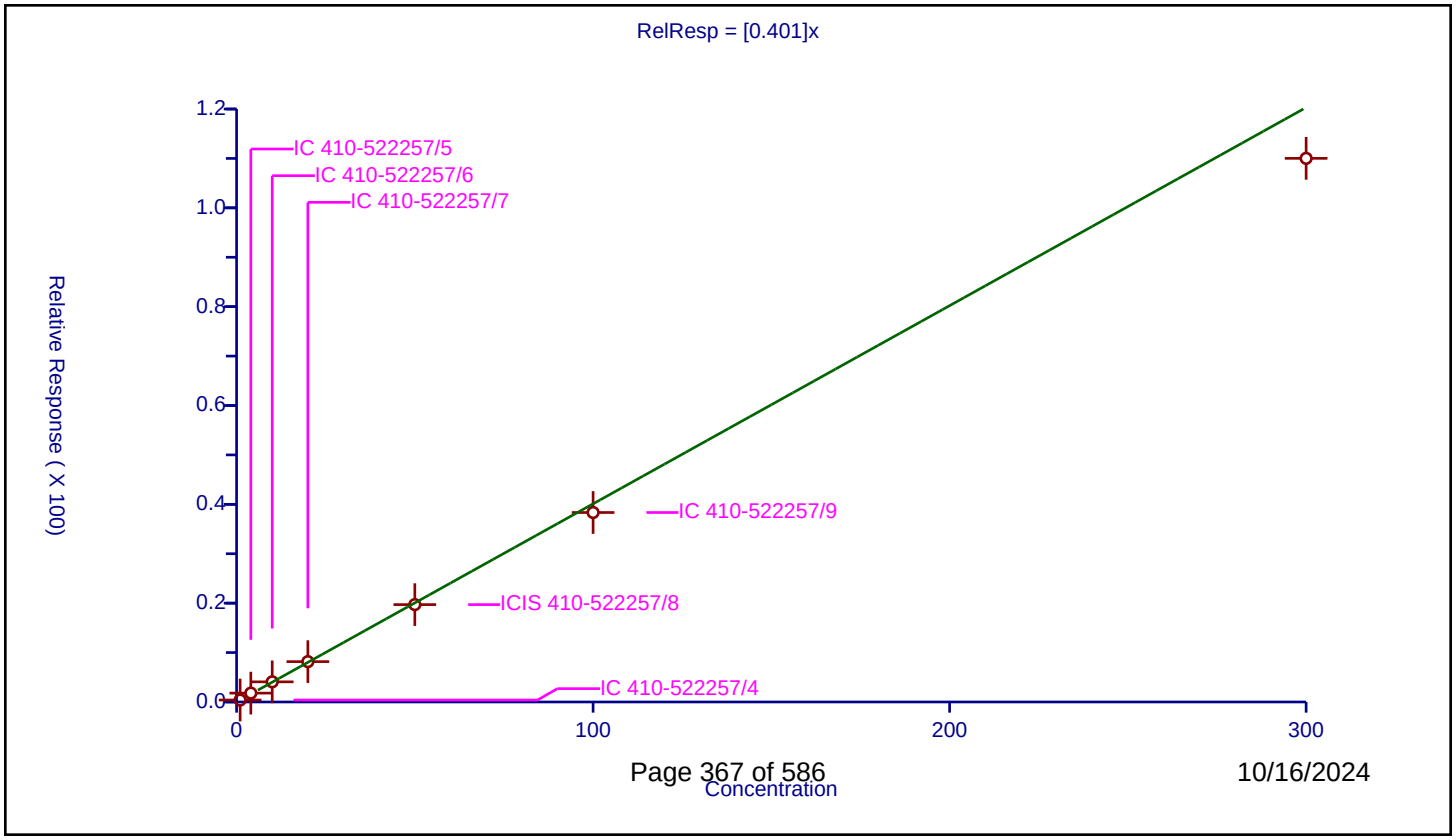
Curve Coefficients

Intercept:	0
Slope:	0.401

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.398115	50.0	431157.0	0.398115	Y
2	IC 410-522257/5	4.0	1.795448	50.0	425994.0	0.448862	Y
3	IC 410-522257/6	10.0	4.075213	50.0	436333.0	0.407521	Y
4	IC 410-522257/7	20.0	8.167404	50.0	441052.0	0.40837	Y
5	ICIS 410-522257/8	50.0	19.706133	50.0	448911.0	0.394123	Y
6	IC 410-522257/9	100.0	38.344088	50.0	457180.0	0.383441	Y
7	IC 410-522257/10	300.0	110.016196	50.0	477901.0	0.366721	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

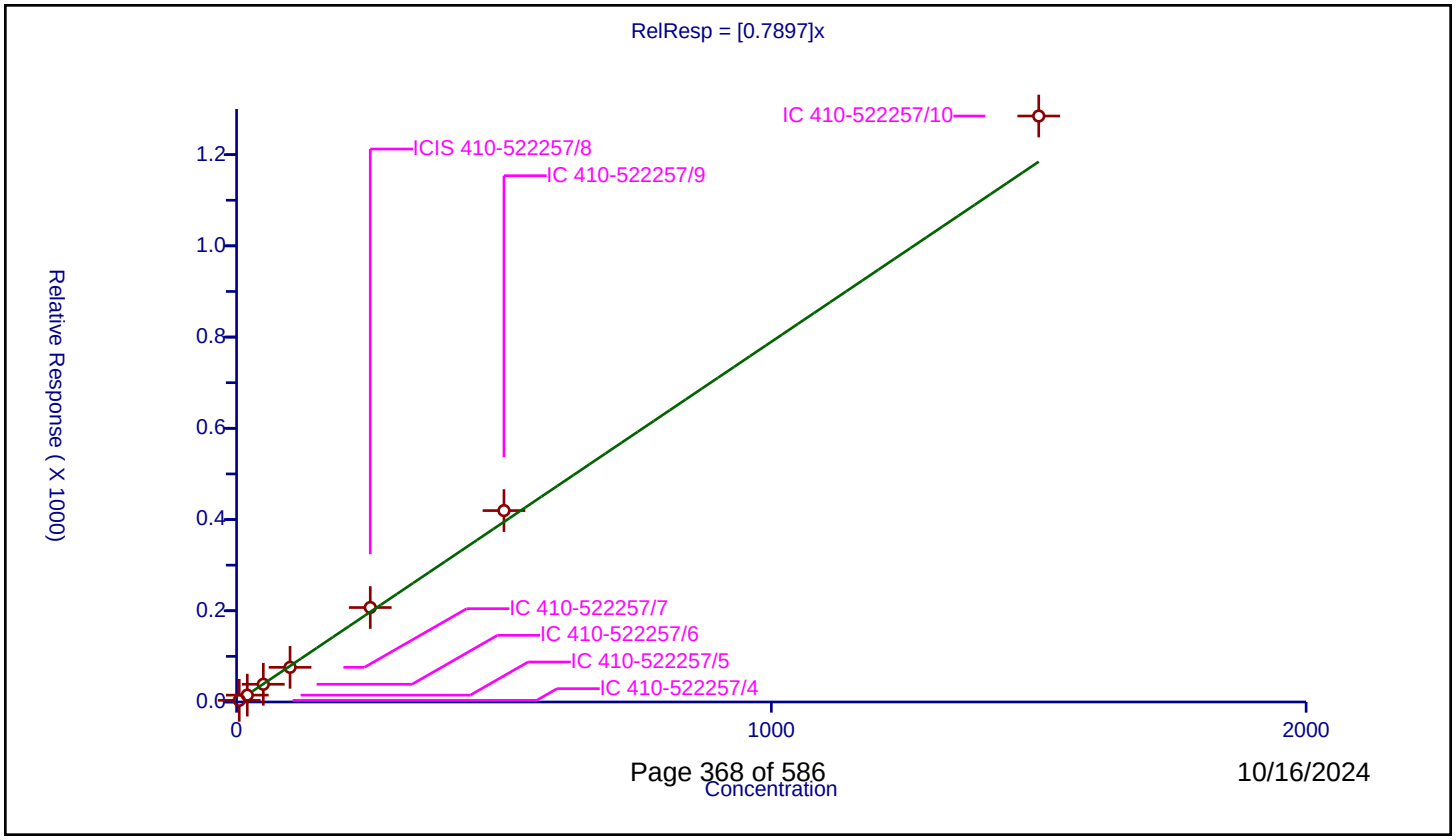
Curve Coefficients

Intercept:	0
Slope:	0.7897

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	5.0	3.582555	250.0	243960.0	0.716511	Y
2	IC 410-522257/5	20.0	15.025146	250.0	232244.0	0.751257	Y
3	IC 410-522257/6	50.0	38.821476	250.0	230008.0	0.77643	Y
4	IC 410-522257/7	100.0	75.948002	250.0	241007.0	0.75948	Y
5	ICIS 410-522257/8	250.0	207.127599	250.0	230323.0	0.82851	Y
6	IC 410-522257/9	500.0	419.617241	250.0	228995.0	0.839234	Y
7	IC 410-522257/10	1500.0	1284.602948	250.0	224215.0	0.856402	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

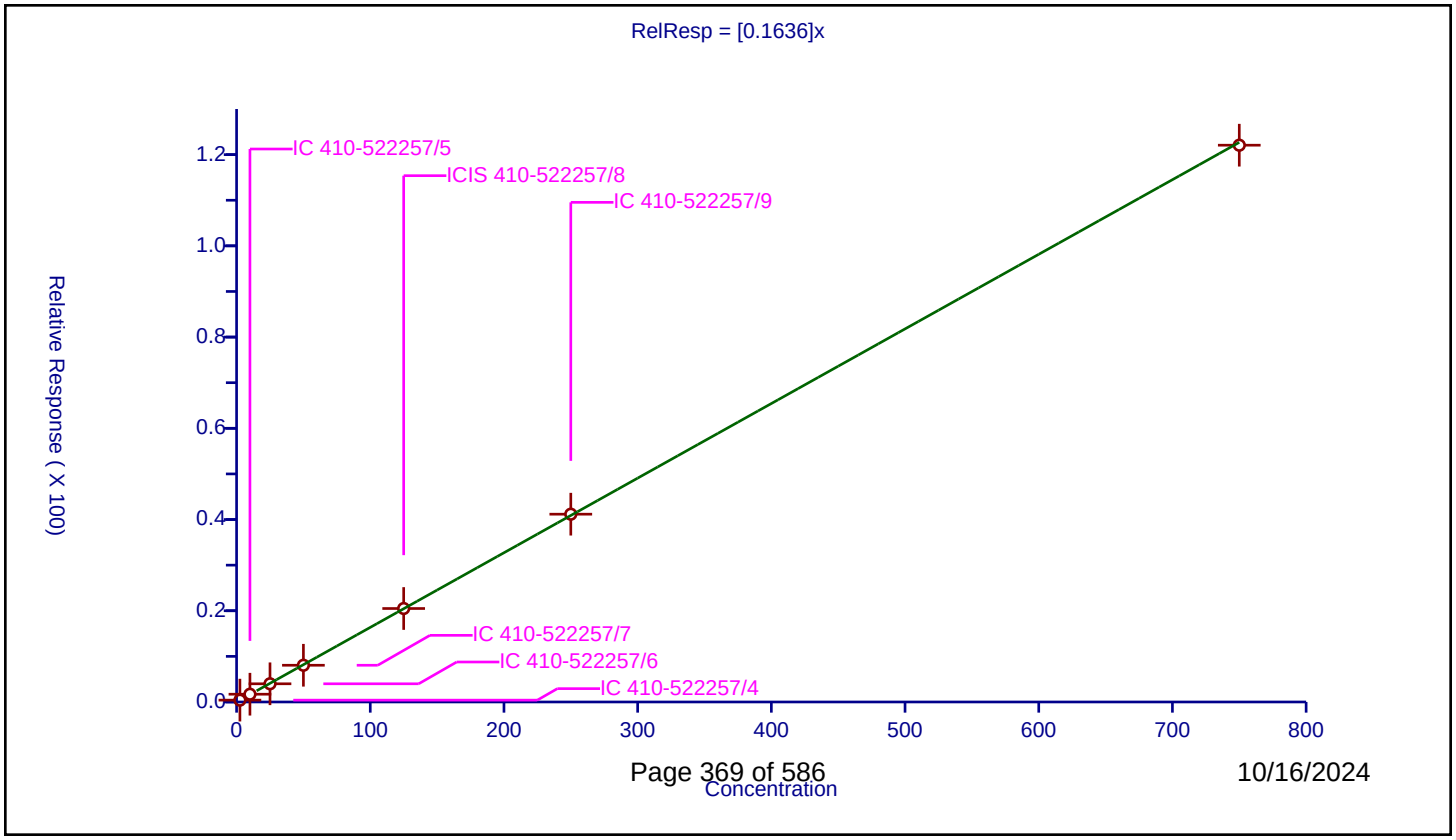
Curve Coefficients

Intercept:	0
Slope:	0.1636

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	2.5	0.40658	50.0	431157.0	0.162632	Y
2	IC 410-522257/5	10.0	1.702371	50.0	425994.0	0.170237	Y
3	IC 410-522257/6	25.0	3.992364	50.0	436333.0	0.159695	Y
4	IC 410-522257/7	50.0	8.054152	50.0	441052.0	0.161083	Y
5	ICIS 410-522257/8	125.0	20.494151	50.0	448911.0	0.163953	Y
6	IC 410-522257/9	250.0	41.173717	50.0	457180.0	0.164695	Y
7	IC 410-522257/10	750.0	122.066704	50.0	477901.0	0.162756	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

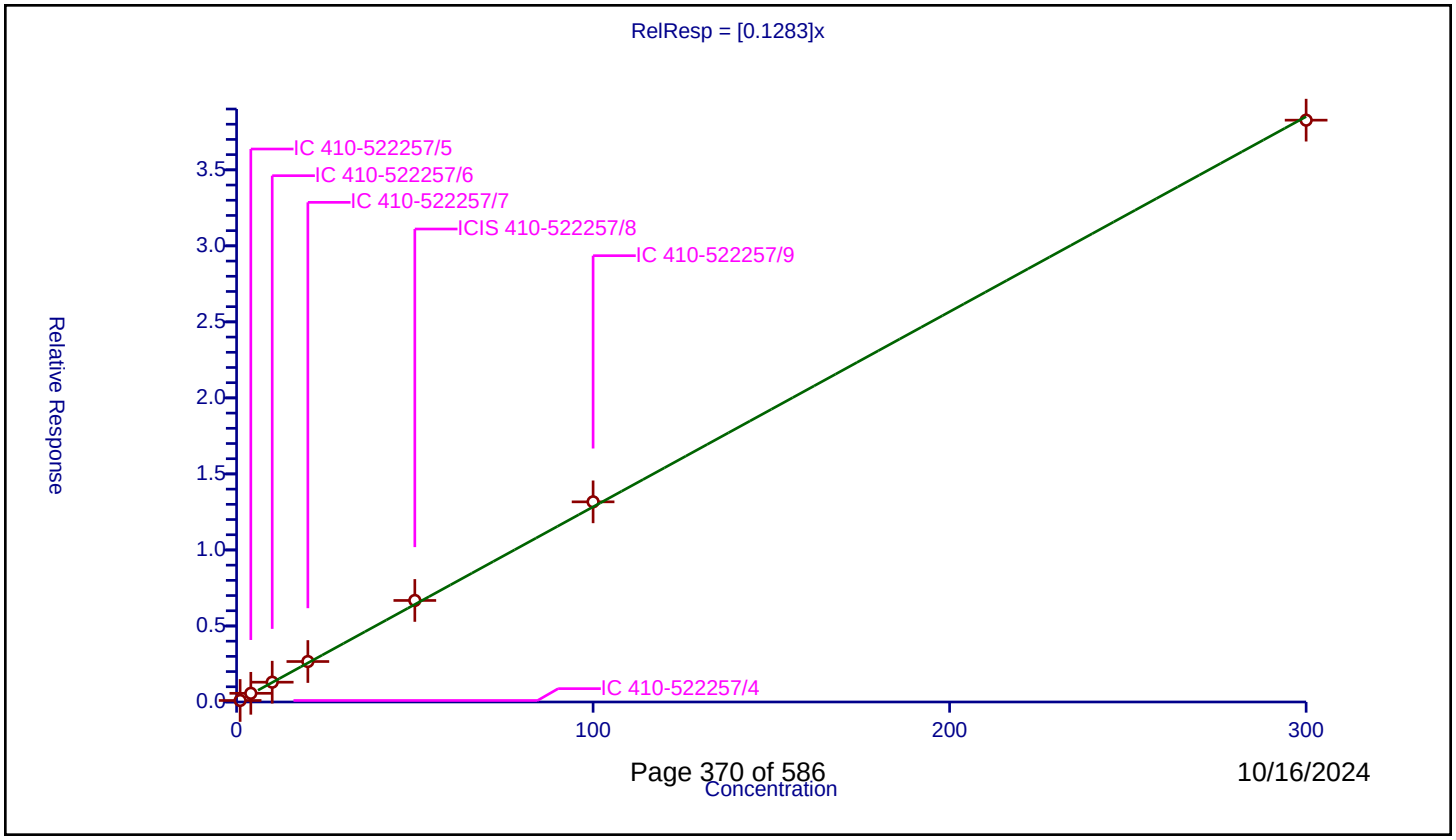
Curve Coefficients

Intercept:	0
Slope:	0.1283

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.099616	50.0	431157.0	0.099616	Y
2	IC 410-522257/5	4.0	0.570196	50.0	425994.0	0.142549	Y
3	IC 410-522257/6	10.0	1.303019	50.0	436333.0	0.130302	Y
4	IC 410-522257/7	20.0	2.662158	50.0	441052.0	0.133108	Y
5	ICIS 410-522257/8	50.0	6.678718	50.0	448911.0	0.133574	Y
6	IC 410-522257/9	100.0	13.164071	50.0	457180.0	0.131641	Y
7	IC 410-522257/10	300.0	38.266817	50.0	477901.0	0.127556	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

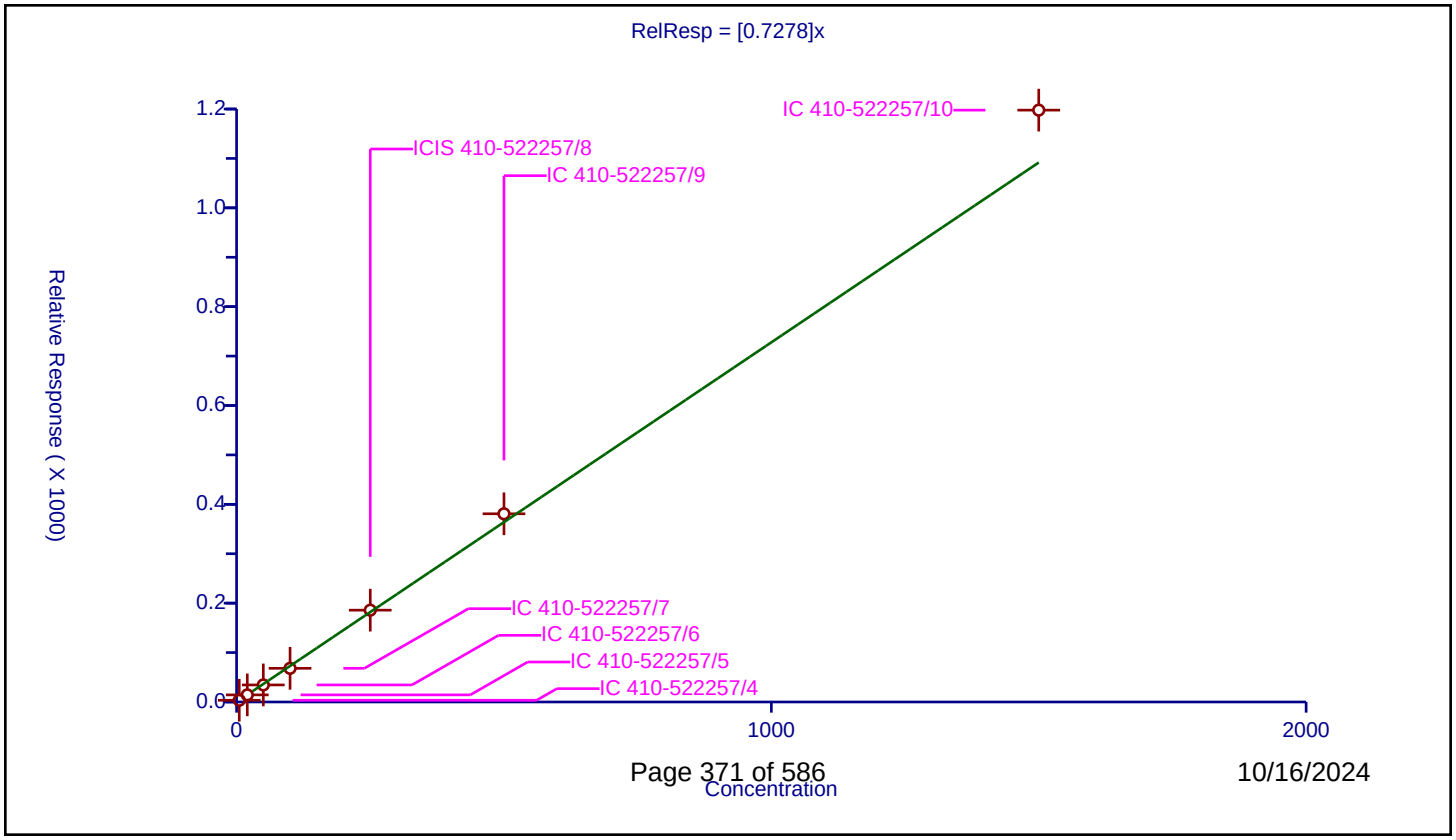
Curve Coefficients

Intercept:	0
Slope:	0.7278

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	5.0	3.498524	250.0	243960.0	0.699705	Y
2	IC 410-522257/5	20.0	14.396497	250.0	232244.0	0.719825	Y
3	IC 410-522257/6	50.0	34.497713	250.0	230008.0	0.689954	Y
4	IC 410-522257/7	100.0	68.146361	250.0	241007.0	0.681464	Y
5	ICIS 410-522257/8	250.0	185.846615	250.0	230323.0	0.743386	Y
6	IC 410-522257/9	500.0	380.879495	250.0	228995.0	0.761759	Y
7	IC 410-522257/10	1500.0	1197.742123	250.0	224215.0	0.798495	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

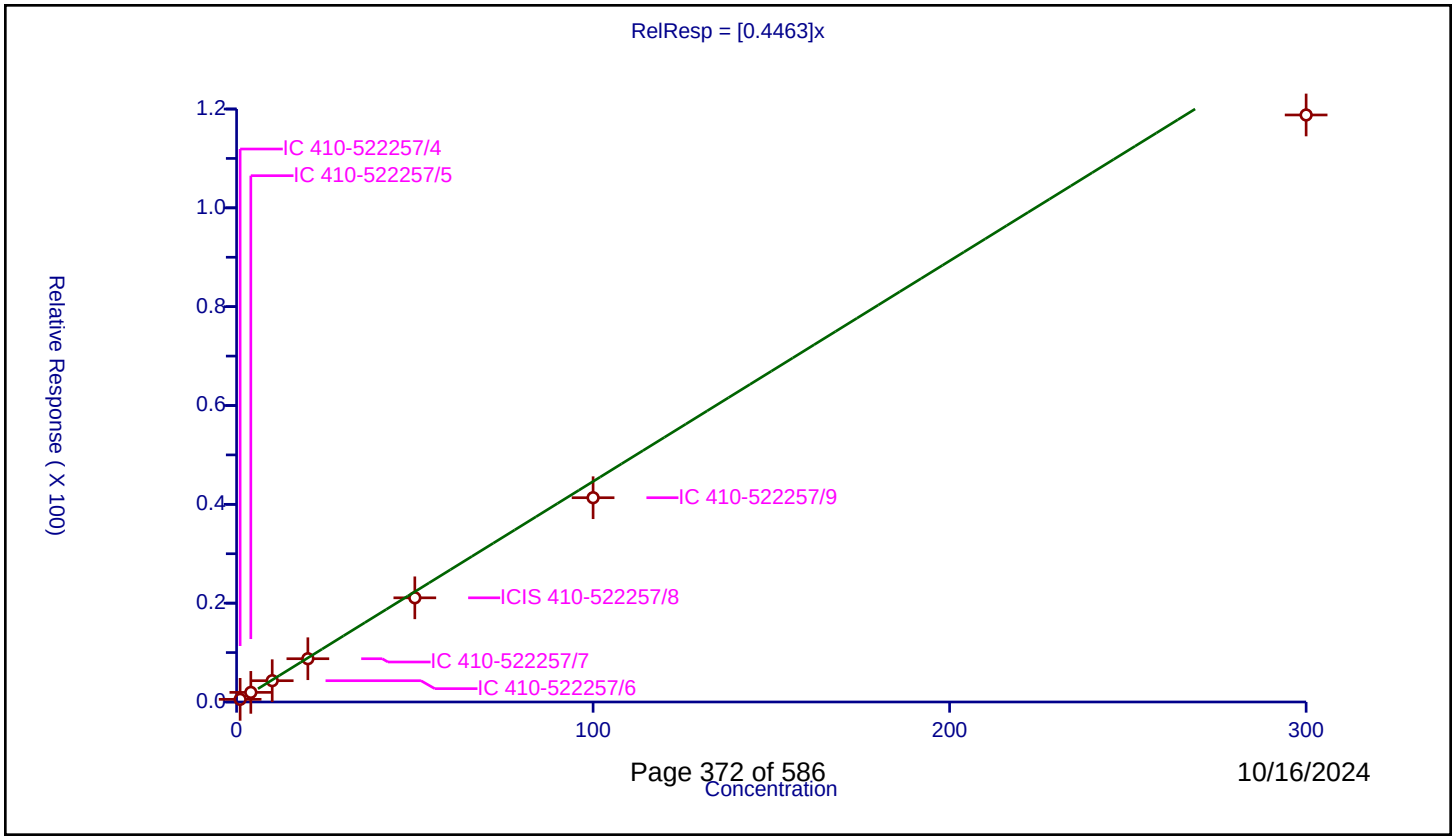
Curve Coefficients

Intercept:	0
Slope:	0.4463

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.538551	50.0	431157.0	0.538551	Y
2	IC 410-522257/5	4.0	1.944041	50.0	425994.0	0.48601	Y
3	IC 410-522257/6	10.0	4.307605	50.0	436333.0	0.43076	Y
4	IC 410-522257/7	20.0	8.757811	50.0	441052.0	0.437891	Y
5	ICIS 410-522257/8	50.0	21.082575	50.0	448911.0	0.421652	Y
6	IC 410-522257/9	100.0	41.337657	50.0	457180.0	0.413377	Y
7	IC 410-522257/10	300.0	118.796989	50.0	477901.0	0.39599	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

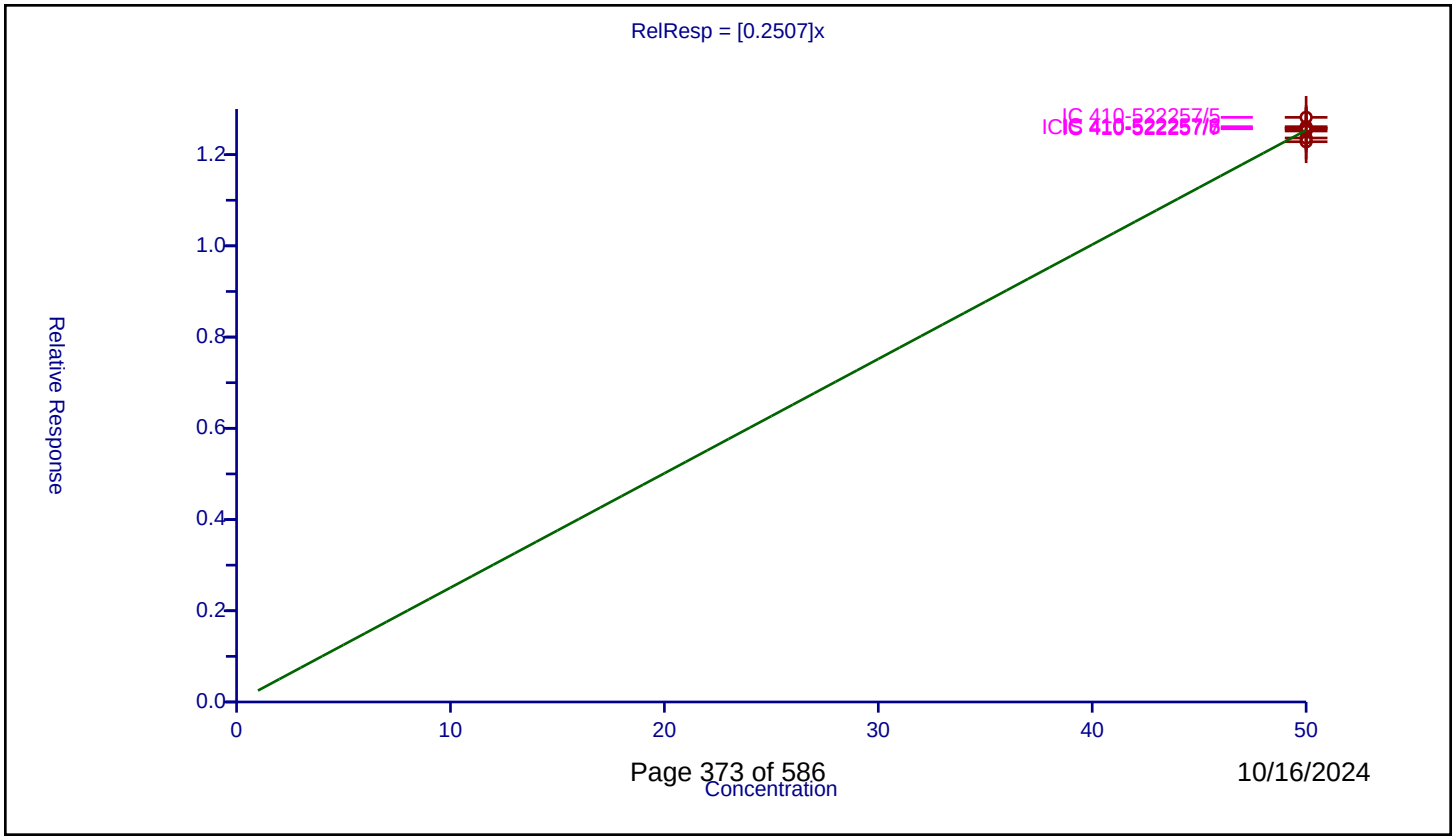
Curve Coefficients

Intercept:	0
Slope:	0.2507

Error Coefficients

Relative Standard Deviation:	1.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	50.0	12.517714	50.0	431157.0	0.250354	Y
2	IC 410-522257/5	50.0	12.816847	50.0	425994.0	0.256337	Y
3	IC 410-522257/6	50.0	12.613073	50.0	436333.0	0.252261	Y
4	IC 410-522257/7	50.0	12.567566	50.0	441052.0	0.251351	Y
5	ICIS 410-522257/8	50.0	12.575989	50.0	448911.0	0.25152	Y
6	IC 410-522257/9	50.0	12.364386	50.0	457180.0	0.247288	Y
7	IC 410-522257/10	50.0	12.282774	50.0	477901.0	0.245655	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

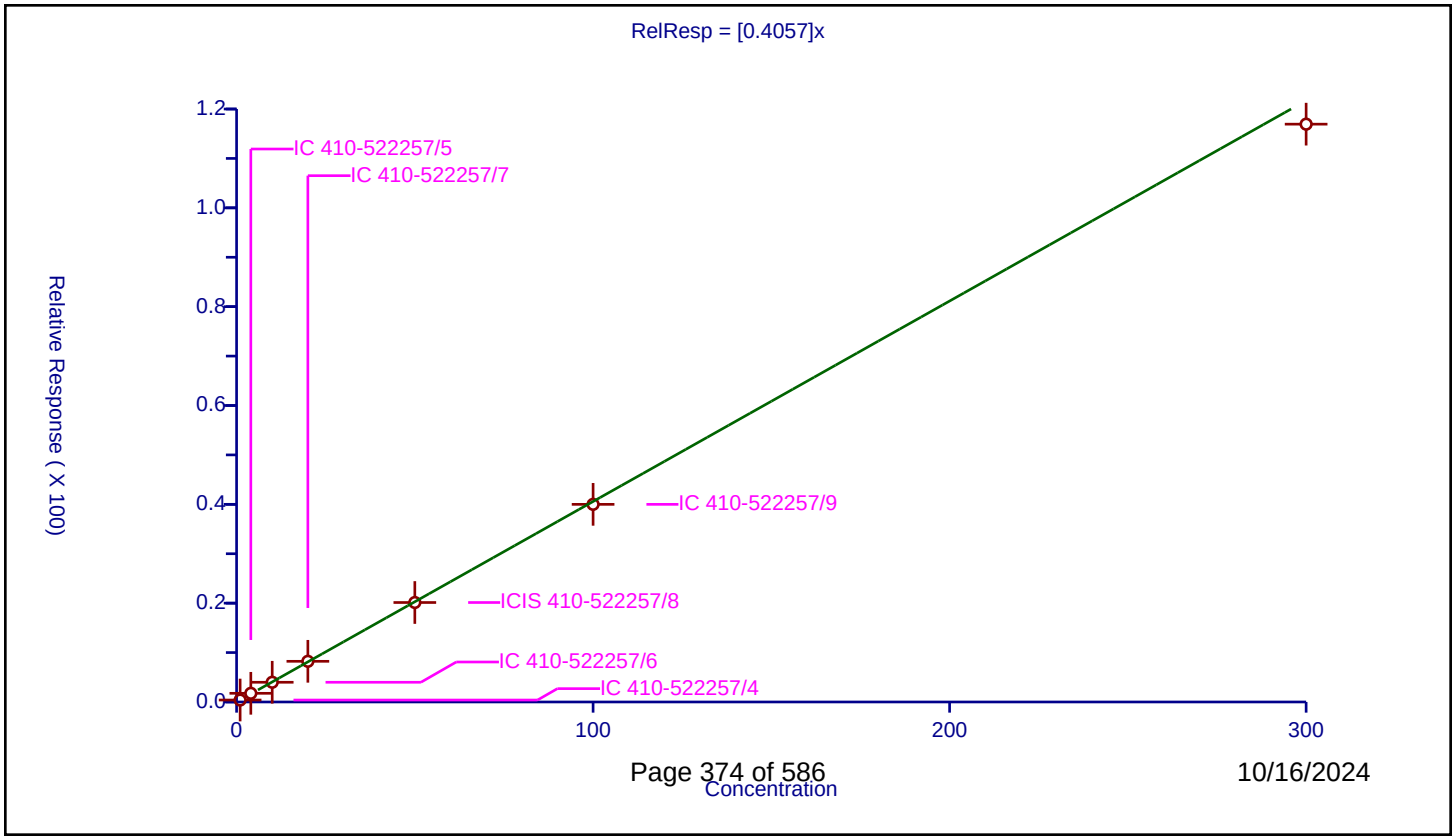
Curve Coefficients

Intercept:	0
Slope:	0.4057

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.398231	50.0	431157.0	0.398231	Y
2	IC 410-522257/5	4.0	1.754133	50.0	425994.0	0.438533	Y
3	IC 410-522257/6	10.0	3.992478	50.0	436333.0	0.399248	Y
4	IC 410-522257/7	20.0	8.229755	50.0	441052.0	0.411488	Y
5	ICIS 410-522257/8	50.0	20.133055	50.0	448911.0	0.402661	Y
6	IC 410-522257/9	100.0	39.996172	50.0	457180.0	0.399962	Y
7	IC 410-522257/10	300.0	116.935725	50.0	477901.0	0.389786	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

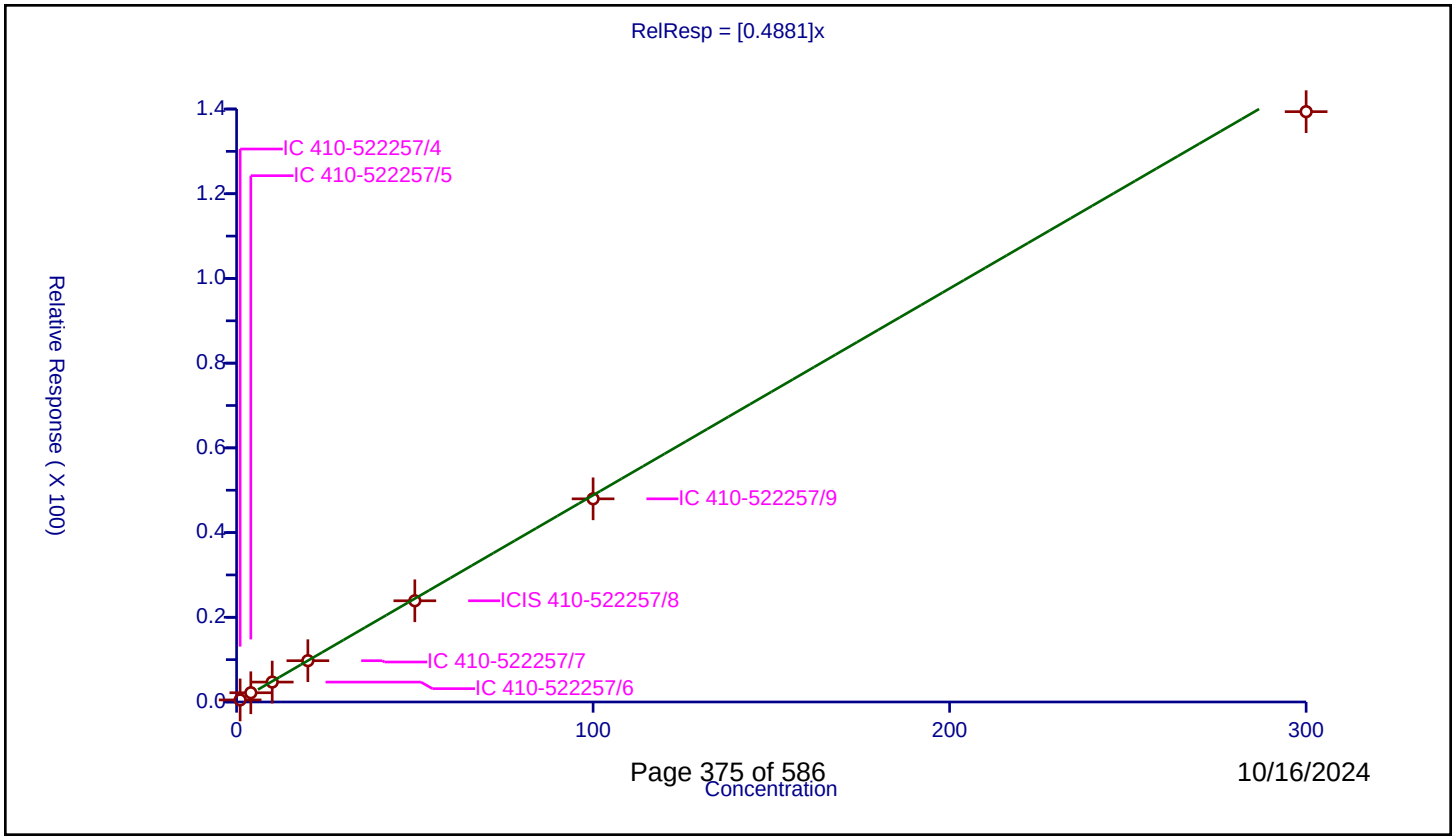
Curve Coefficients

Intercept:	0
Slope:	0.4881

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.490888	50.0	431157.0	0.490888	Y
2	IC 410-522257/5	4.0	2.184186	50.0	425994.0	0.546046	Y
3	IC 410-522257/6	10.0	4.702945	50.0	436333.0	0.470294	Y
4	IC 410-522257/7	20.0	9.751685	50.0	441052.0	0.487584	Y
5	ICIS 410-522257/8	50.0	23.8936	50.0	448911.0	0.477872	Y
6	IC 410-522257/9	100.0	47.964259	50.0	457180.0	0.479643	Y
7	IC 410-522257/10	300.0	139.379704	50.0	477901.0	0.464599	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

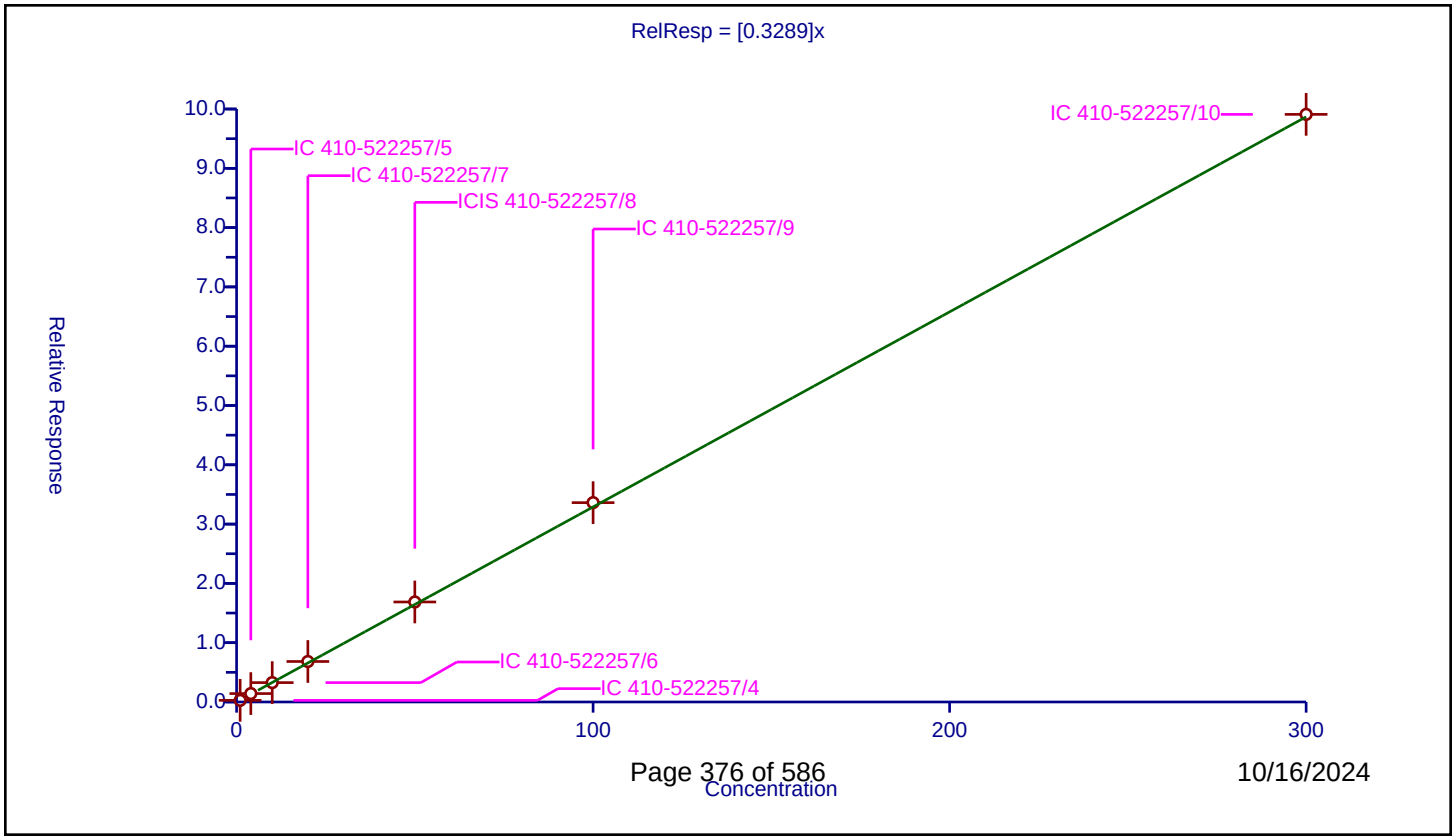
Curve Coefficients

Intercept:	0
Slope:	0.3289

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.275306	50.0	431157.0	0.275306	Y
2	IC 410-522257/5	4.0	1.42056	50.0	425994.0	0.35514	Y
3	IC 410-522257/6	10.0	3.269177	50.0	436333.0	0.326918	Y
4	IC 410-522257/7	20.0	6.827993	50.0	441052.0	0.3414	Y
5	ICIS 410-522257/8	50.0	16.865481	50.0	448911.0	0.33731	Y
6	IC 410-522257/9	100.0	33.618378	50.0	457180.0	0.336184	Y
7	IC 410-522257/10	300.0	99.095419	50.0	477901.0	0.330318	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

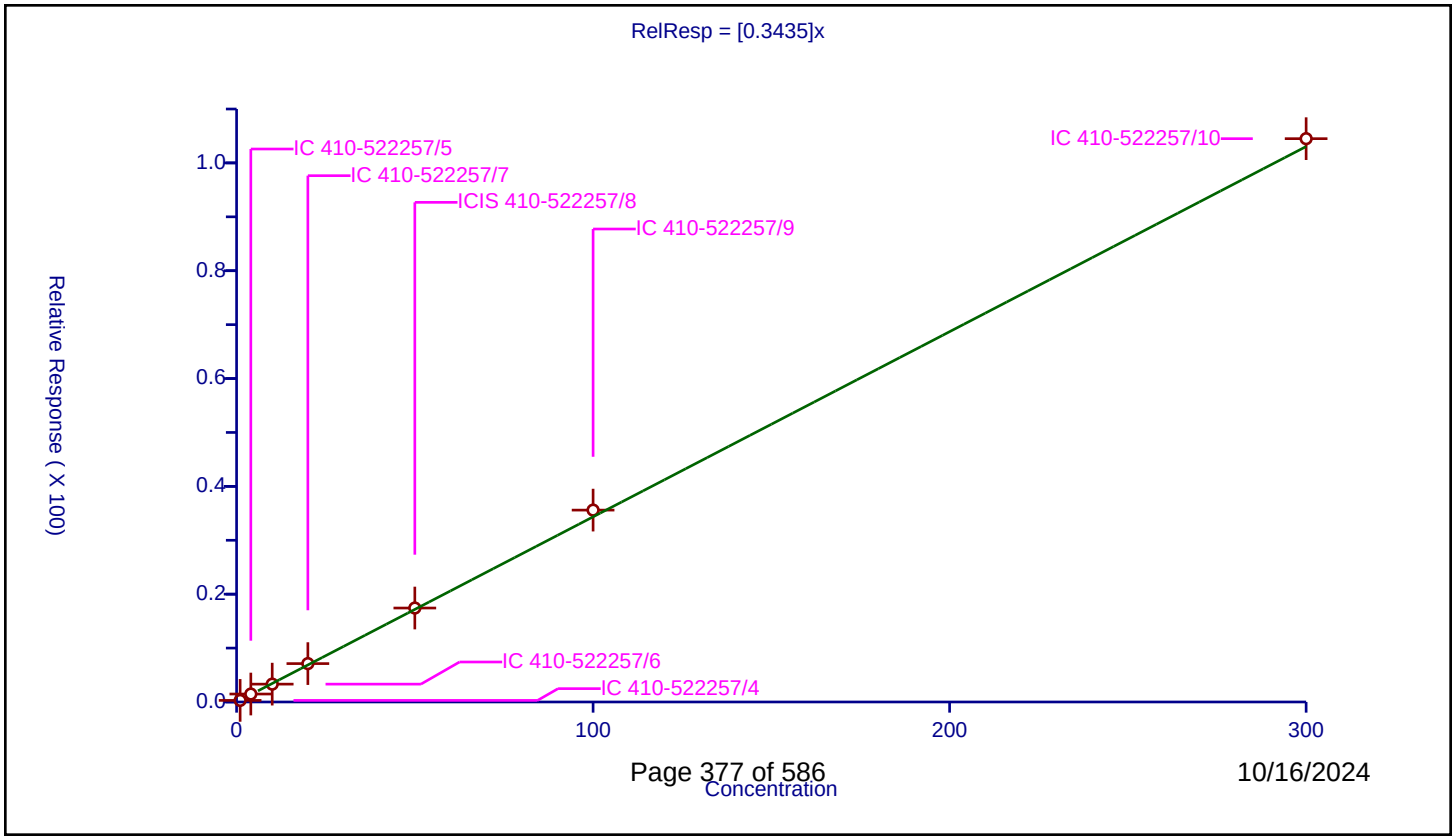
Curve Coefficients

Intercept:	0
Slope:	0.3435

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.294556	50.0	431157.0	0.294556	Y
2	IC 410-522257/5	4.0	1.47772	50.0	425994.0	0.36943	Y
3	IC 410-522257/6	10.0	3.313524	50.0	436333.0	0.331352	Y
4	IC 410-522257/7	20.0	7.121156	50.0	441052.0	0.356058	Y
5	ICIS 410-522257/8	50.0	17.428176	50.0	448911.0	0.348564	Y
6	IC 410-522257/9	100.0	35.596592	50.0	457180.0	0.355966	Y
7	IC 410-522257/10	300.0	104.498526	50.0	477901.0	0.348328	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

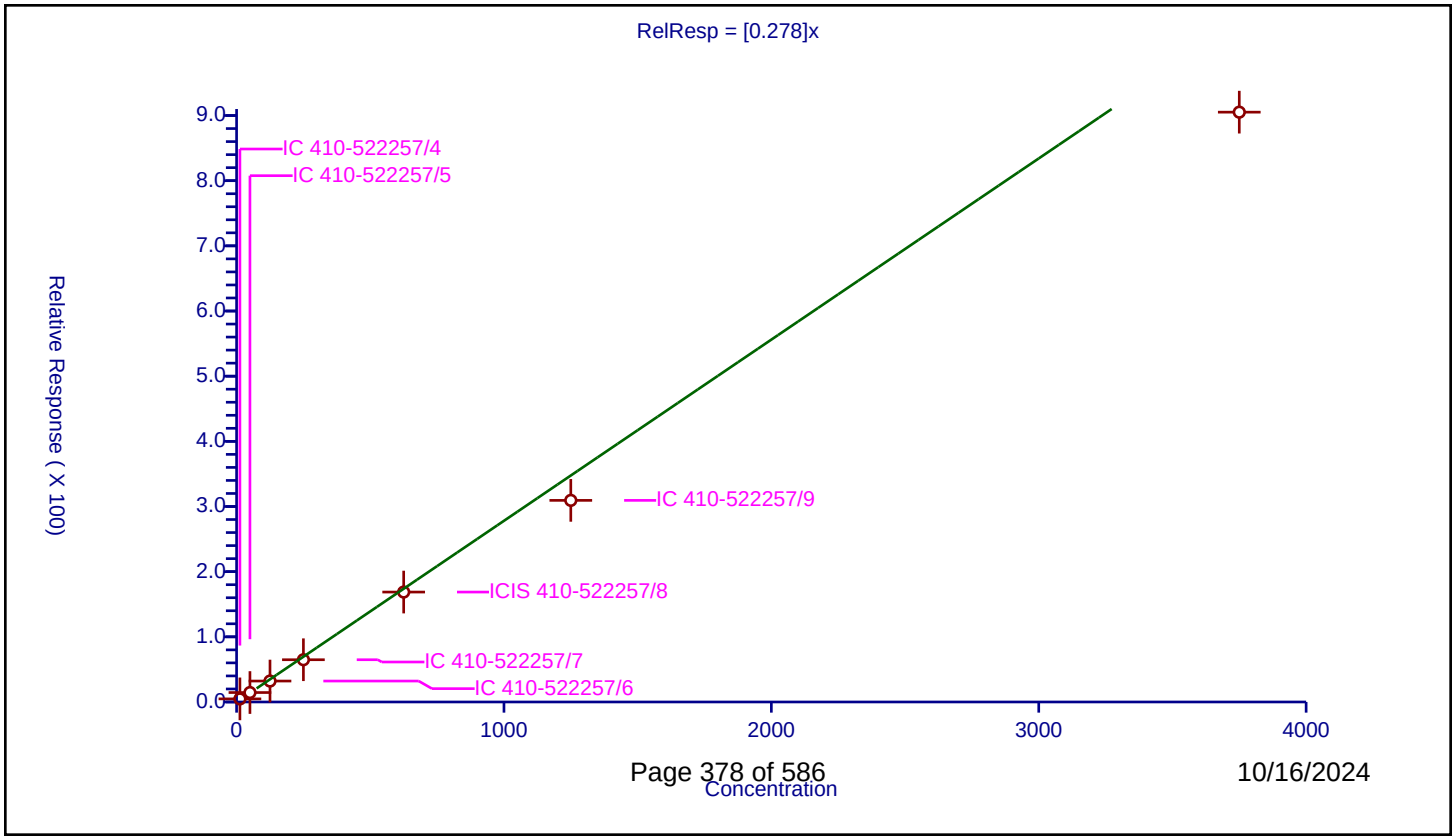
Curve Coefficients

Intercept:	0
Slope:	0.278

Error Coefficients

Relative Standard Deviation:	17.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	12.5	4.765125	250.0	243960.0	0.38121	Y
2	IC 410-522257/5	50.0	14.487995	250.0	232244.0	0.28976	Y
3	IC 410-522257/6	125.0	32.132578	250.0	230008.0	0.257061	Y
4	IC 410-522257/7	250.0	64.863261	250.0	241007.0	0.259453	Y
5	ICIS 410-522257/8	625.0	168.718495	250.0	230323.0	0.26995	Y
6	IC 410-522257/9	1250.0	309.38776	250.0	228995.0	0.24751	Y
7	IC 410-522257/10	3750.0	905.186986	250.0	224215.0	0.241383	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

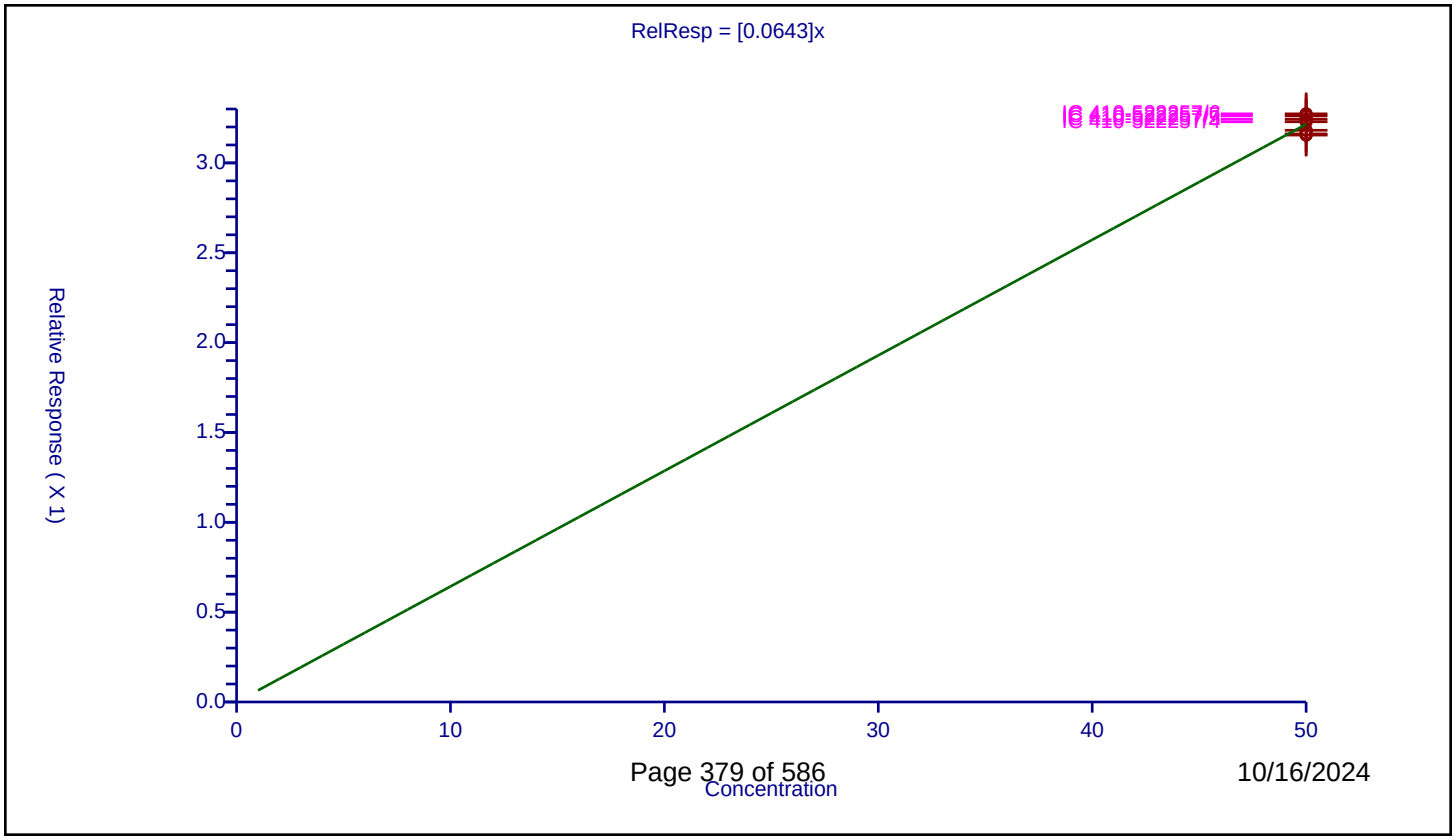
Curve Coefficients

Intercept:	0
Slope:	0.0643

Error Coefficients

Relative Standard Deviation:	1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	50.0	3.22887	50.0	431157.0	0.064577	Y
2	IC 410-522257/5	50.0	3.243356	50.0	425994.0	0.064867	Y
3	IC 410-522257/6	50.0	3.273188	50.0	436333.0	0.065464	Y
4	IC 410-522257/7	50.0	3.261974	50.0	441052.0	0.065239	Y
5	ICIS 410-522257/8	50.0	3.161428	50.0	448911.0	0.063229	Y
6	IC 410-522257/9	50.0	3.181788	50.0	457180.0	0.063636	Y
7	IC 410-522257/10	50.0	3.154838	50.0	477901.0	0.063097	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

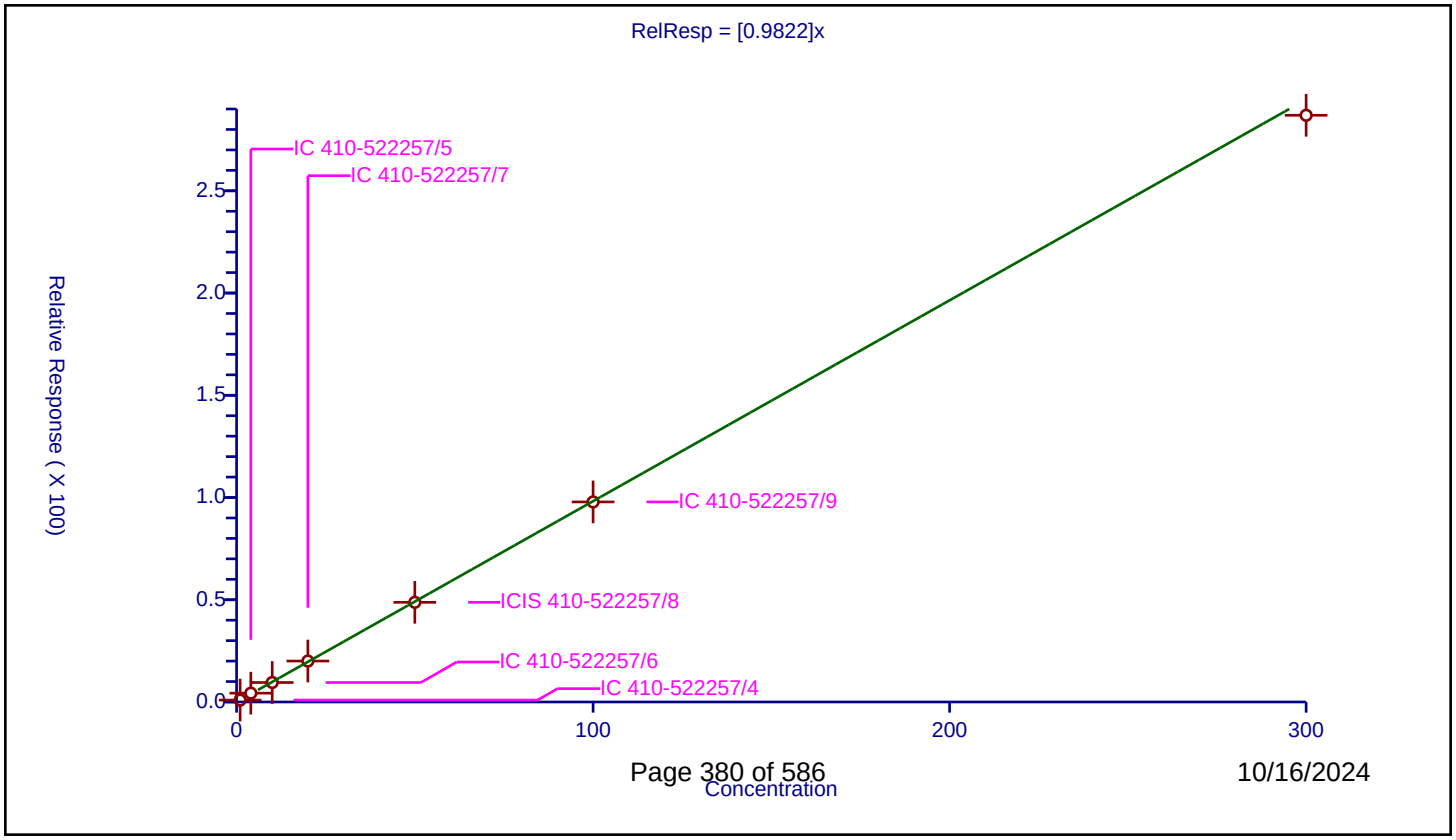
Curve Coefficients

Intercept:	0
Slope:	0.9822

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.935042	50.0	431157.0	0.935042	Y
2	IC 410-522257/5	4.0	4.306868	50.0	425994.0	1.076717	Y
3	IC 410-522257/6	10.0	9.527013	50.0	436333.0	0.952701	Y
4	IC 410-522257/7	20.0	20.022469	50.0	441052.0	1.001123	Y
5	ICIS 410-522257/8	50.0	48.736943	50.0	448911.0	0.974739	Y
6	IC 410-522257/9	100.0	97.83991	50.0	457180.0	0.978399	Y
7	IC 410-522257/10	300.0	286.929406	50.0	477901.0	0.956431	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

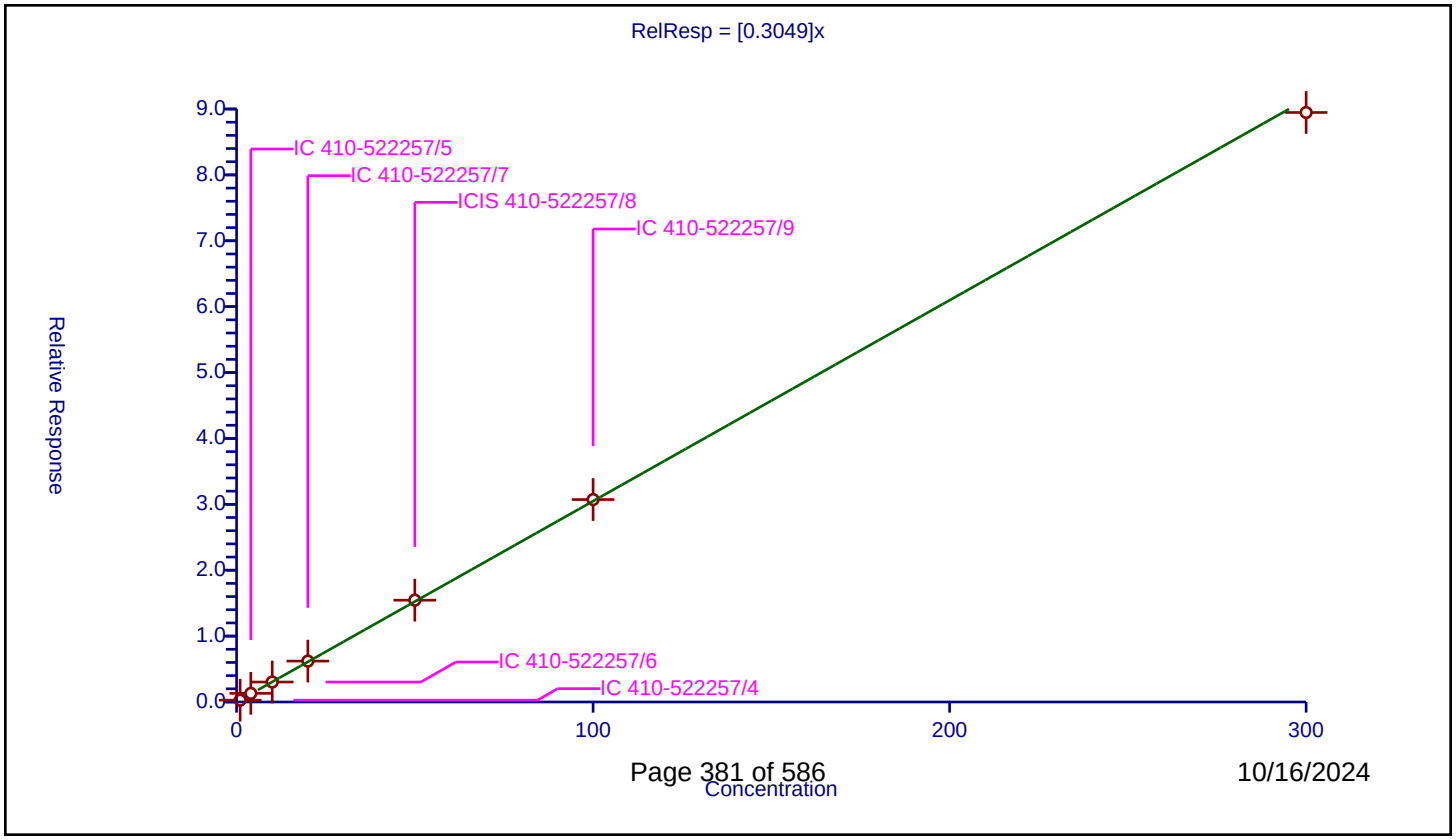
Curve Coefficients

Intercept:	0
Slope:	0.3049

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.278437	50.0	431157.0	0.278437	Y
2	IC 410-522257/5	4.0	1.310582	50.0	425994.0	0.327645	Y
3	IC 410-522257/6	10.0	3.030598	50.0	436333.0	0.30306	Y
4	IC 410-522257/7	20.0	6.208112	50.0	441052.0	0.310406	Y
5	ICIS 410-522257/8	50.0	15.452061	50.0	448911.0	0.309041	Y
6	IC 410-522257/9	100.0	30.727066	50.0	457180.0	0.307271	Y
7	IC 410-522257/10	300.0	89.473866	50.0	477901.0	0.298246	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

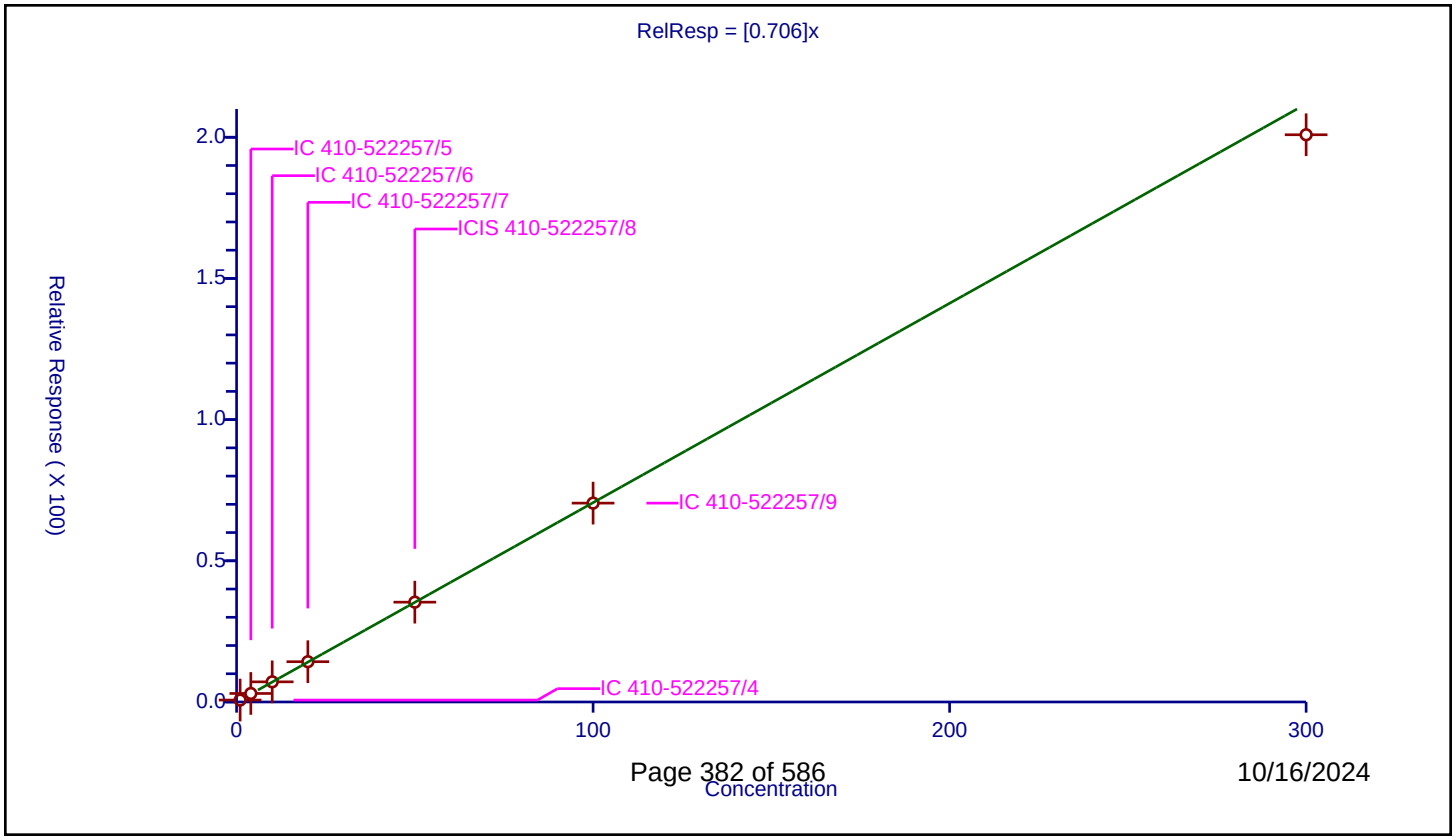
Curve Coefficients

Intercept:	0
Slope:	0.706

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.680495	50.0	431157.0	0.680495	Y
2	IC 410-522257/5	4.0	3.016944	50.0	425994.0	0.754236	Y
3	IC 410-522257/6	10.0	7.131709	50.0	436333.0	0.713171	Y
4	IC 410-522257/7	20.0	14.26079	50.0	441052.0	0.71304	Y
5	ICIS 410-522257/8	50.0	35.356674	50.0	448911.0	0.707133	Y
6	IC 410-522257/9	100.0	70.424012	50.0	457180.0	0.70424	Y
7	IC 410-522257/10	300.0	200.883342	50.0	477901.0	0.669611	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

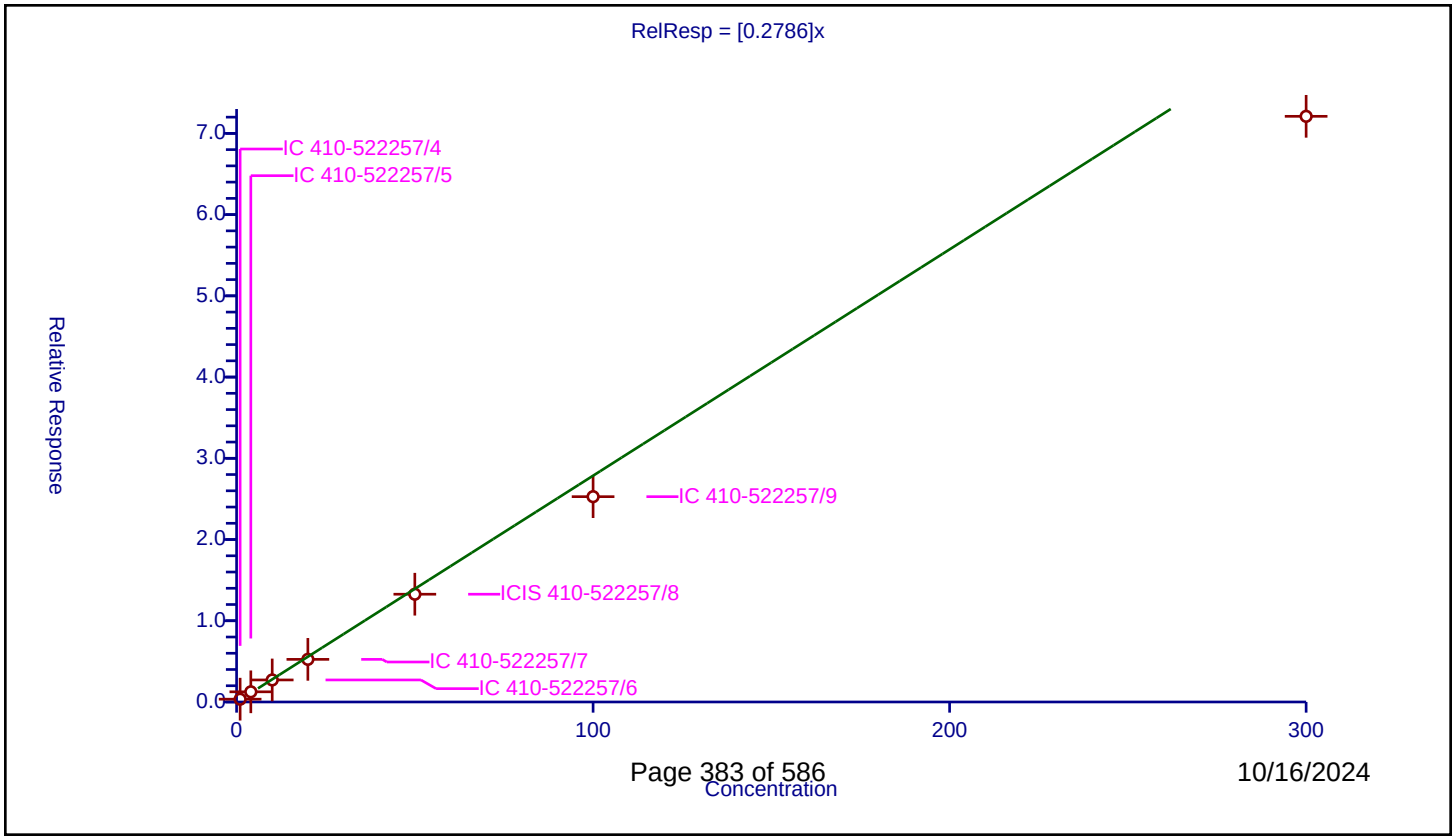
Curve Coefficients

Intercept:	0
Slope:	0.2786

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.345234	50.0	431157.0	0.345234	Y
2	IC 410-522257/5	4.0	1.251778	50.0	425994.0	0.312945	Y
3	IC 410-522257/6	10.0	2.711805	50.0	436333.0	0.27118	Y
4	IC 410-522257/7	20.0	5.24666	50.0	441052.0	0.262333	Y
5	ICIS 410-522257/8	50.0	13.269	50.0	448911.0	0.26538	Y
6	IC 410-522257/9	100.0	25.275603	50.0	457180.0	0.252756	Y
7	IC 410-522257/10	300.0	72.100393	50.0	477901.0	0.240335	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

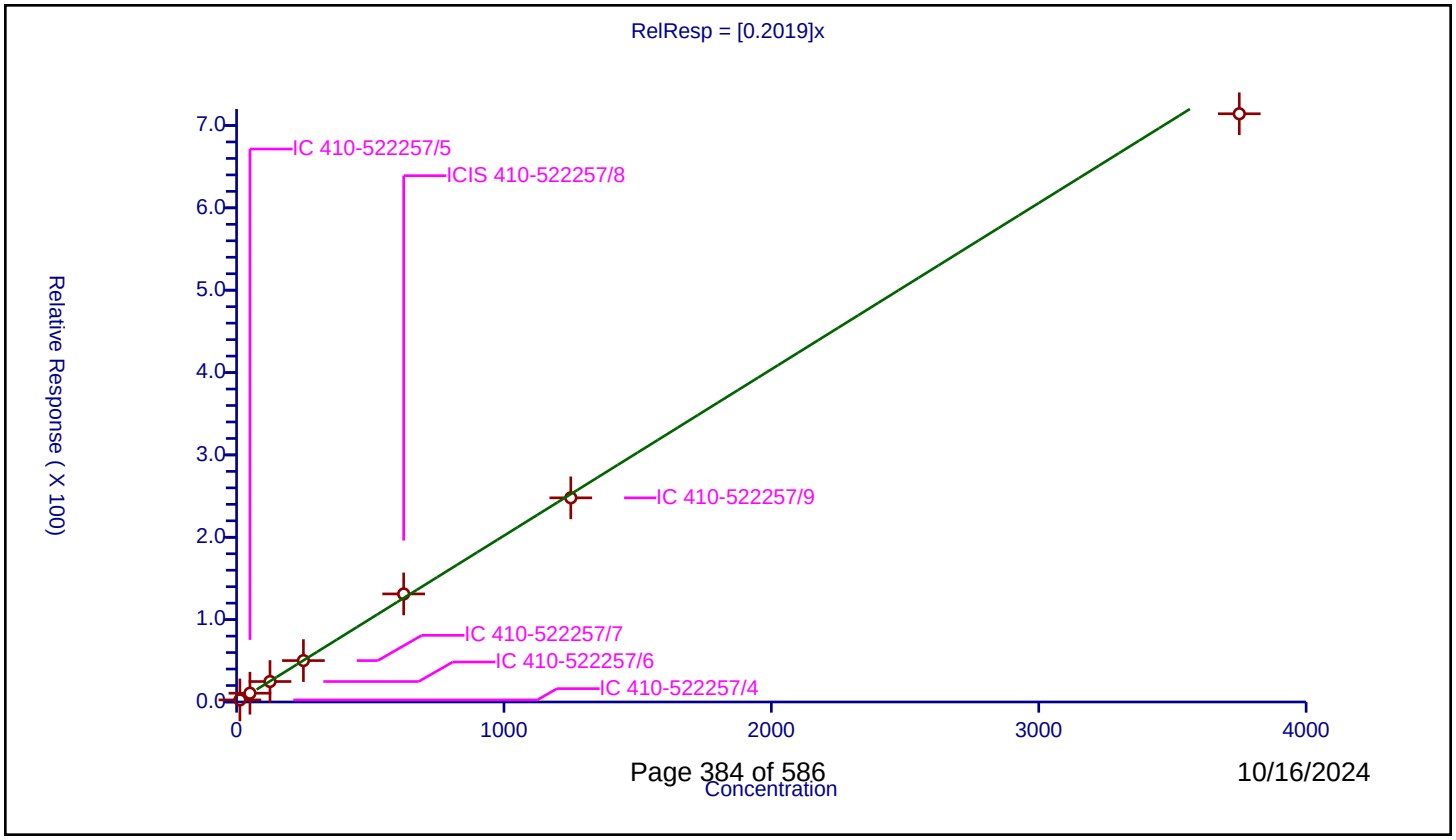
Curve Coefficients

Intercept:	0
Slope:	0.2019

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	12.5	2.516806	250.0	243960.0	0.201344	Y
2	IC 410-522257/5	50.0	10.679501	250.0	232244.0	0.21359	Y
3	IC 410-522257/6	125.0	24.856744	250.0	230008.0	0.198854	Y
4	IC 410-522257/7	250.0	50.274473	250.0	241007.0	0.201098	Y
5	ICIS 410-522257/8	625.0	131.216813	250.0	230323.0	0.209947	Y
6	IC 410-522257/9	1250.0	247.88205	250.0	228995.0	0.198306	Y
7	IC 410-522257/10	3750.0	714.227416	250.0	224215.0	0.190461	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

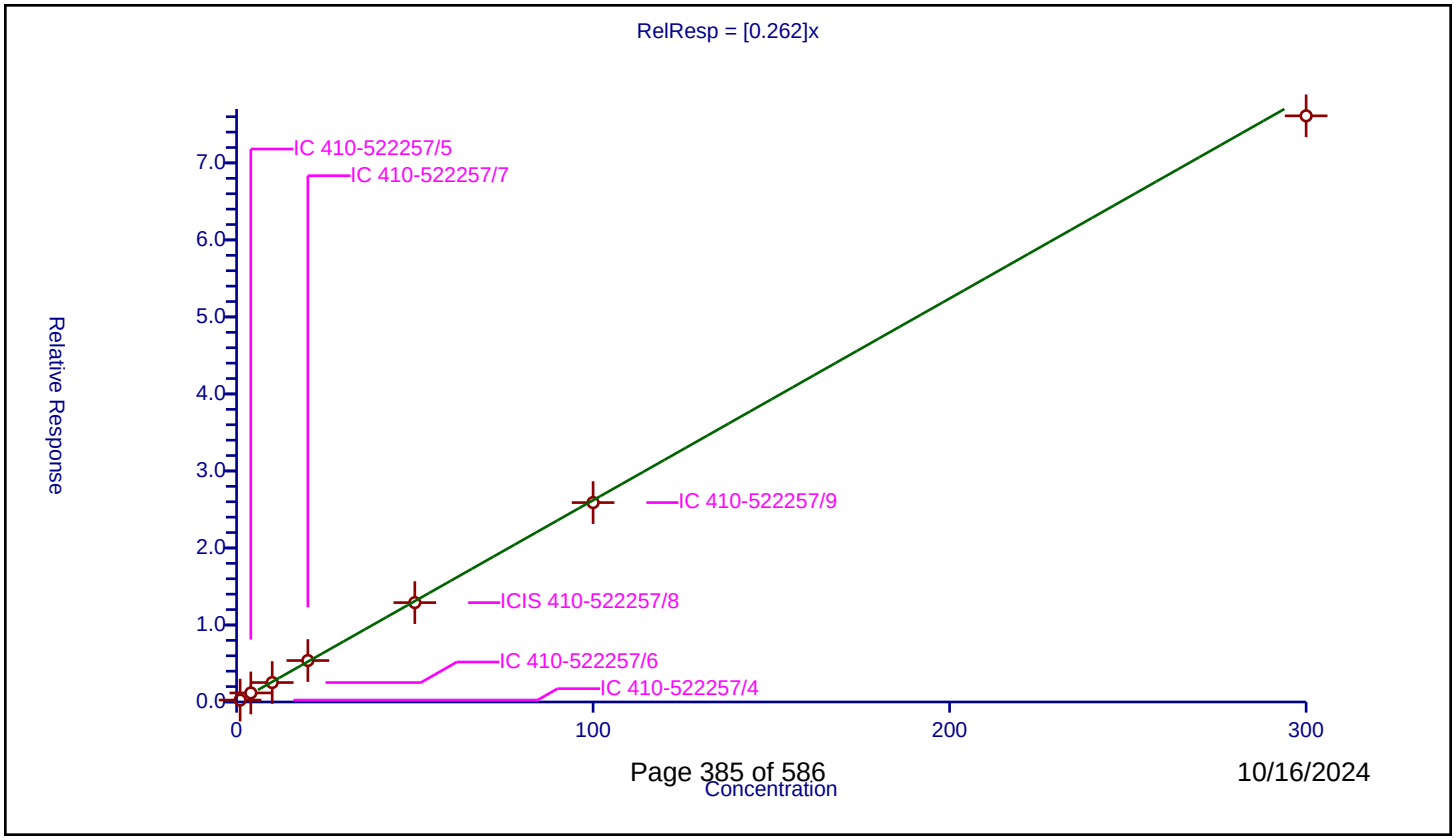
Curve Coefficients

Intercept:	0
Slope:	0.262

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.247358	50.0	431157.0	0.247358	Y
2	IC 410-522257/5	4.0	1.176073	50.0	425994.0	0.294018	Y
3	IC 410-522257/6	10.0	2.525594	50.0	436333.0	0.252559	Y
4	IC 410-522257/7	20.0	5.384172	50.0	441052.0	0.269209	Y
5	ICIS 410-522257/8	50.0	12.904451	50.0	448911.0	0.258089	Y
6	IC 410-522257/9	100.0	25.892427	50.0	457180.0	0.258924	Y
7	IC 410-522257/10	300.0	76.113777	50.0	477901.0	0.253713	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

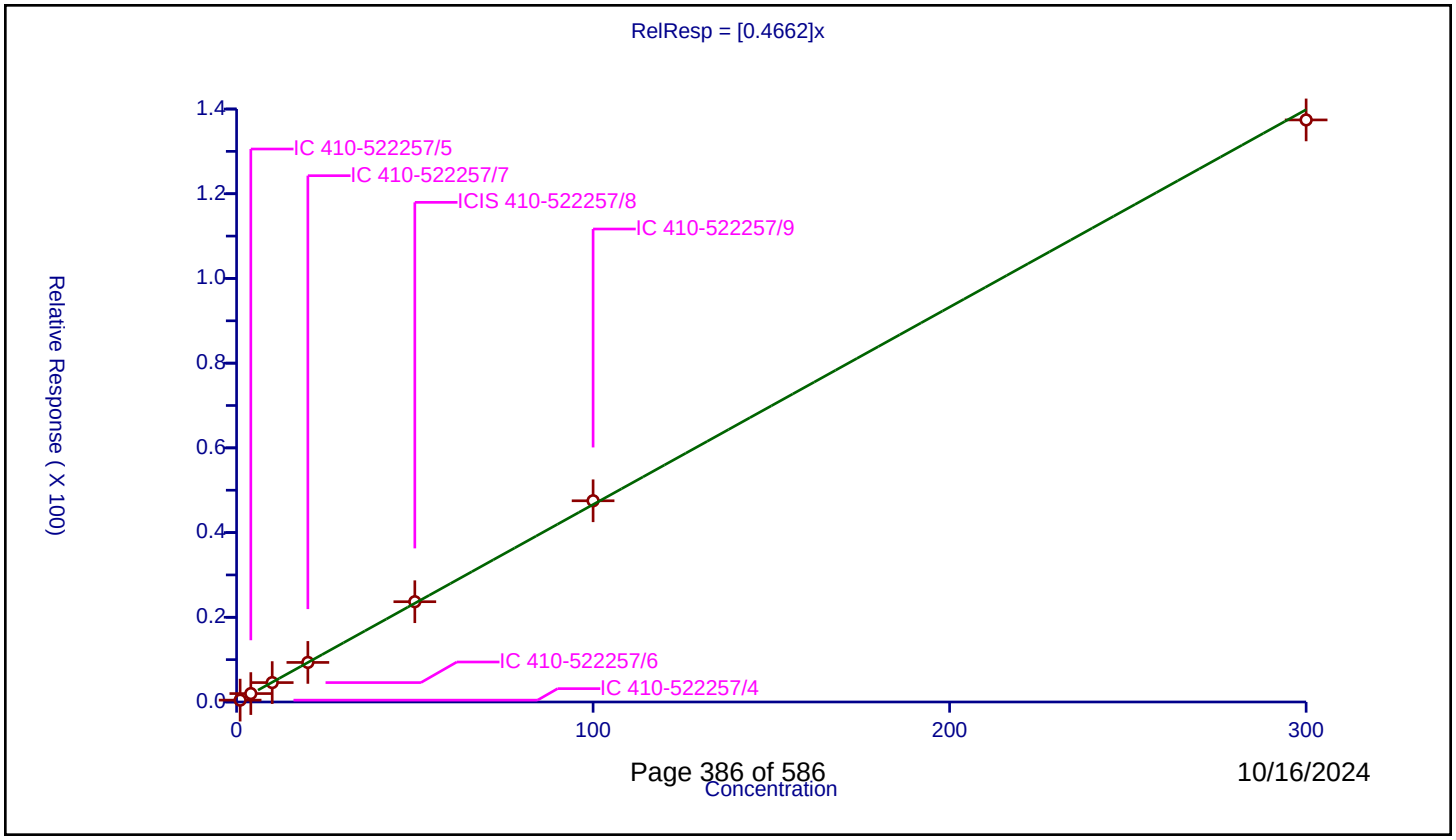
Curve Coefficients

Intercept:	0
Slope:	0.4662

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.434876	50.0	431157.0	0.434876	Y
2	IC 410-522257/5	4.0	1.984887	50.0	425994.0	0.496222	Y
3	IC 410-522257/6	10.0	4.583082	50.0	436333.0	0.458308	Y
4	IC 410-522257/7	20.0	9.341302	50.0	441052.0	0.467065	Y
5	ICIS 410-522257/8	50.0	23.675183	50.0	448911.0	0.473504	Y
6	IC 410-522257/9	100.0	47.508968	50.0	457180.0	0.47509	Y
7	IC 410-522257/10	300.0	137.424697	50.0	477901.0	0.458082	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

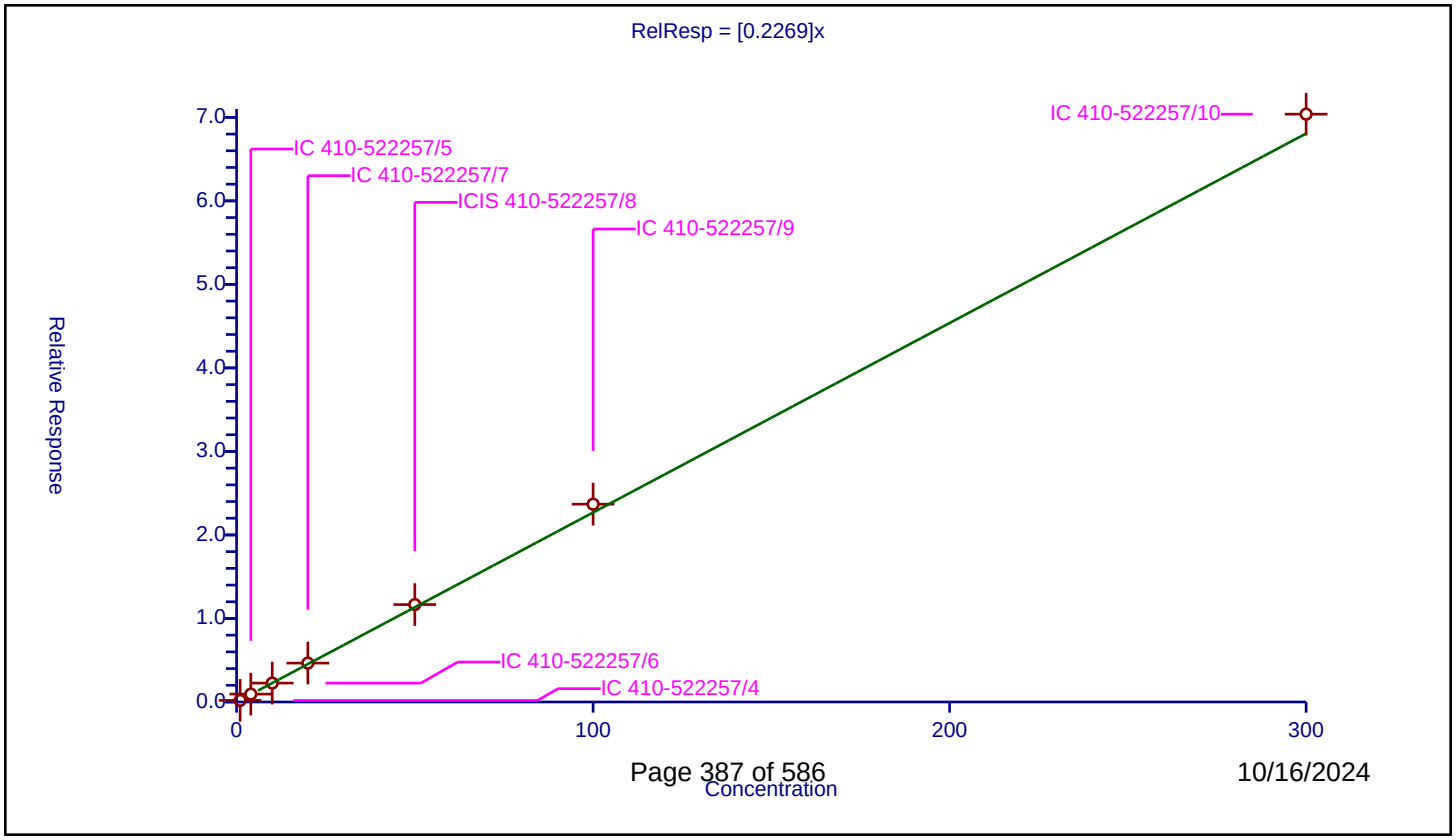
Curve Coefficients

Intercept:	0
Slope:	0.2269

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.188678	50.0	431157.0	0.188678	Y
2	IC 410-522257/5	4.0	0.943206	50.0	425994.0	0.235801	Y
3	IC 410-522257/6	10.0	2.261002	50.0	436333.0	0.2261	Y
4	IC 410-522257/7	20.0	4.657047	50.0	441052.0	0.232852	Y
5	ICIS 410-522257/8	50.0	11.664784	50.0	448911.0	0.233296	Y
6	IC 410-522257/9	100.0	23.684326	50.0	457180.0	0.236843	Y
7	IC 410-522257/10	300.0	70.385289	50.0	477901.0	0.234618	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

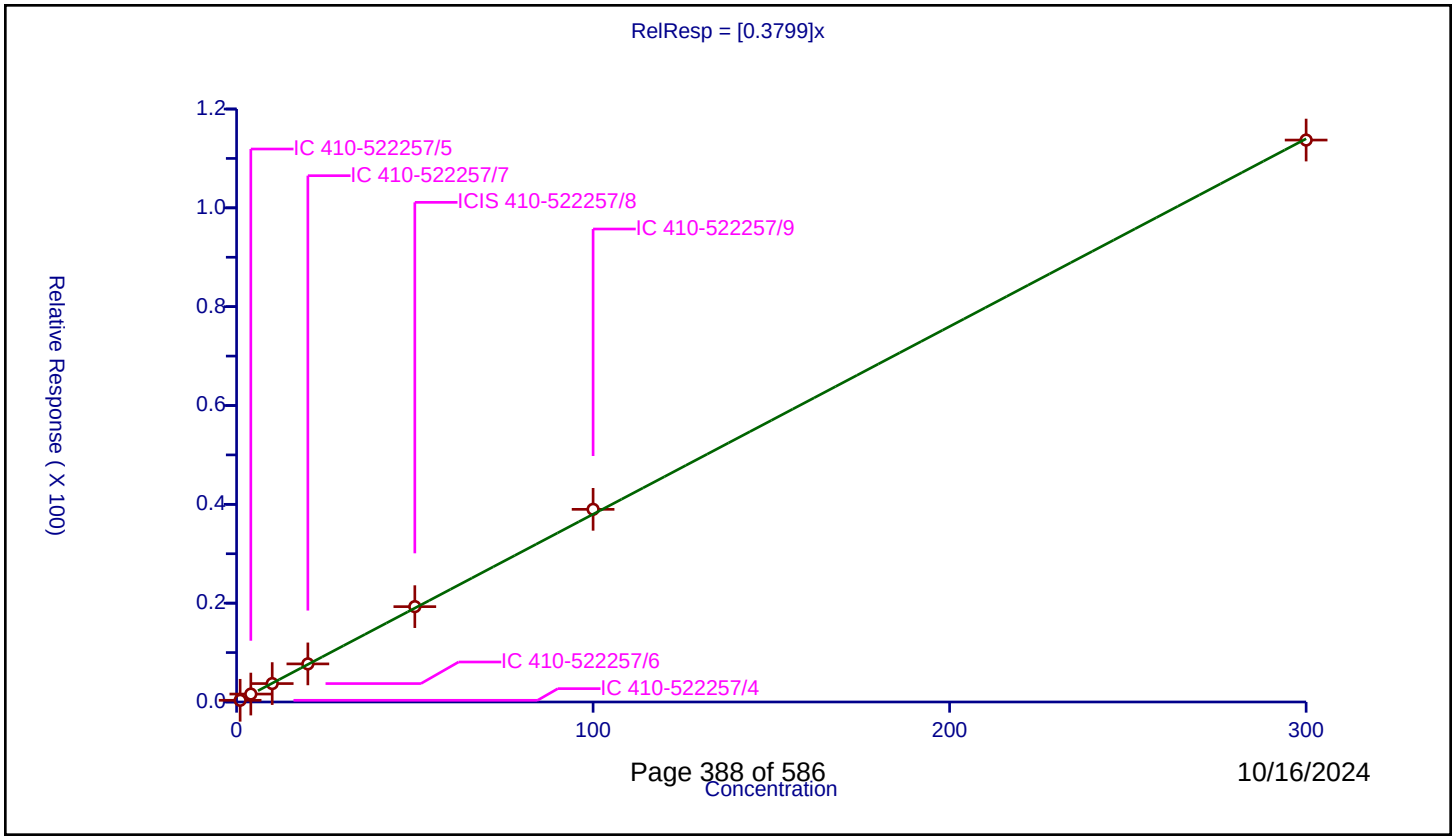
Curve Coefficients

Intercept:	0
Slope:	0.3799

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.345234	50.0	431157.0	0.345234	Y
2	IC 410-522257/5	4.0	1.606478	50.0	425994.0	0.40162	Y
3	IC 410-522257/6	10.0	3.724105	50.0	436333.0	0.372411	Y
4	IC 410-522257/7	20.0	7.710202	50.0	441052.0	0.38551	Y
5	ICIS 410-522257/8	50.0	19.2977	50.0	448911.0	0.385954	Y
6	IC 410-522257/9	100.0	38.98552	50.0	457180.0	0.389855	Y
7	IC 410-522257/10	300.0	113.719683	50.0	477901.0	0.379066	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

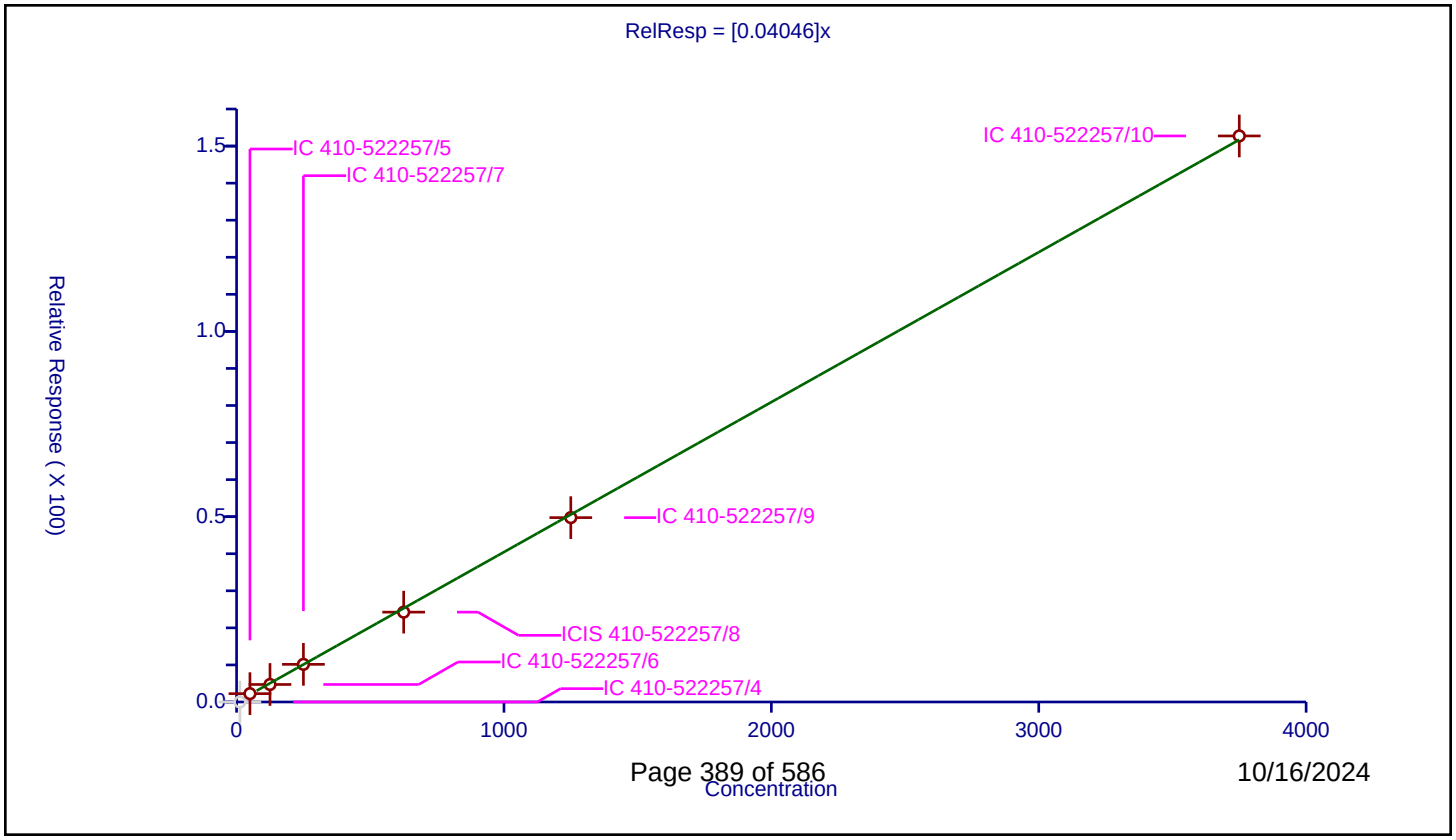
Curve Coefficients

Intercept:	0
Slope:	0.04046

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	12.5	0.0	250.0	243960.0	0.0	N
2	IC 410-522257/5	50.0	2.250865	250.0	232244.0	0.045017	Y
3	IC 410-522257/6	125.0	4.722662	250.0	230008.0	0.037781	Y
4	IC 410-522257/7	250.0	10.154269	250.0	241007.0	0.040617	Y
5	ICIS 410-522257/8	625.0	24.24747	250.0	230323.0	0.038796	Y
6	IC 410-522257/9	1250.0	49.745628	250.0	228995.0	0.039797	Y
7	IC 410-522257/10	3750.0	152.731753	250.0	224215.0	0.040728	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

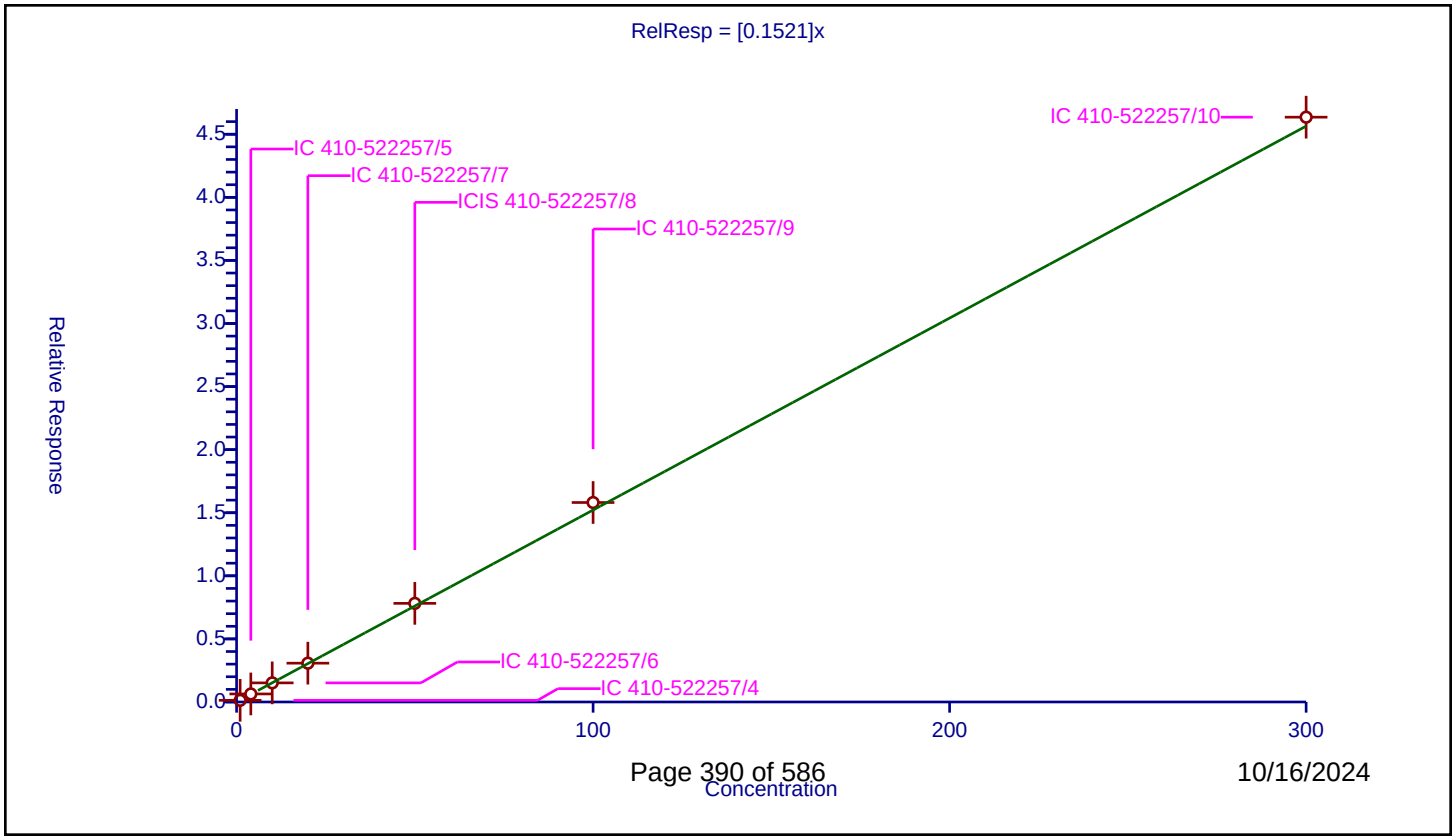
Curve Coefficients

Intercept:	0
Slope:	0.1521

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.131391	50.0	431157.0	0.131391	Y
2	IC 410-522257/5	4.0	0.637568	50.0	425994.0	0.159392	Y
3	IC 410-522257/6	10.0	1.515013	50.0	436333.0	0.151501	Y
4	IC 410-522257/7	20.0	3.075374	50.0	441052.0	0.153769	Y
5	ICIS 410-522257/8	50.0	7.817585	50.0	448911.0	0.156352	Y
6	IC 410-522257/9	100.0	15.810294	50.0	457180.0	0.158103	Y
7	IC 410-522257/10	300.0	46.352592	50.0	477901.0	0.154509	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

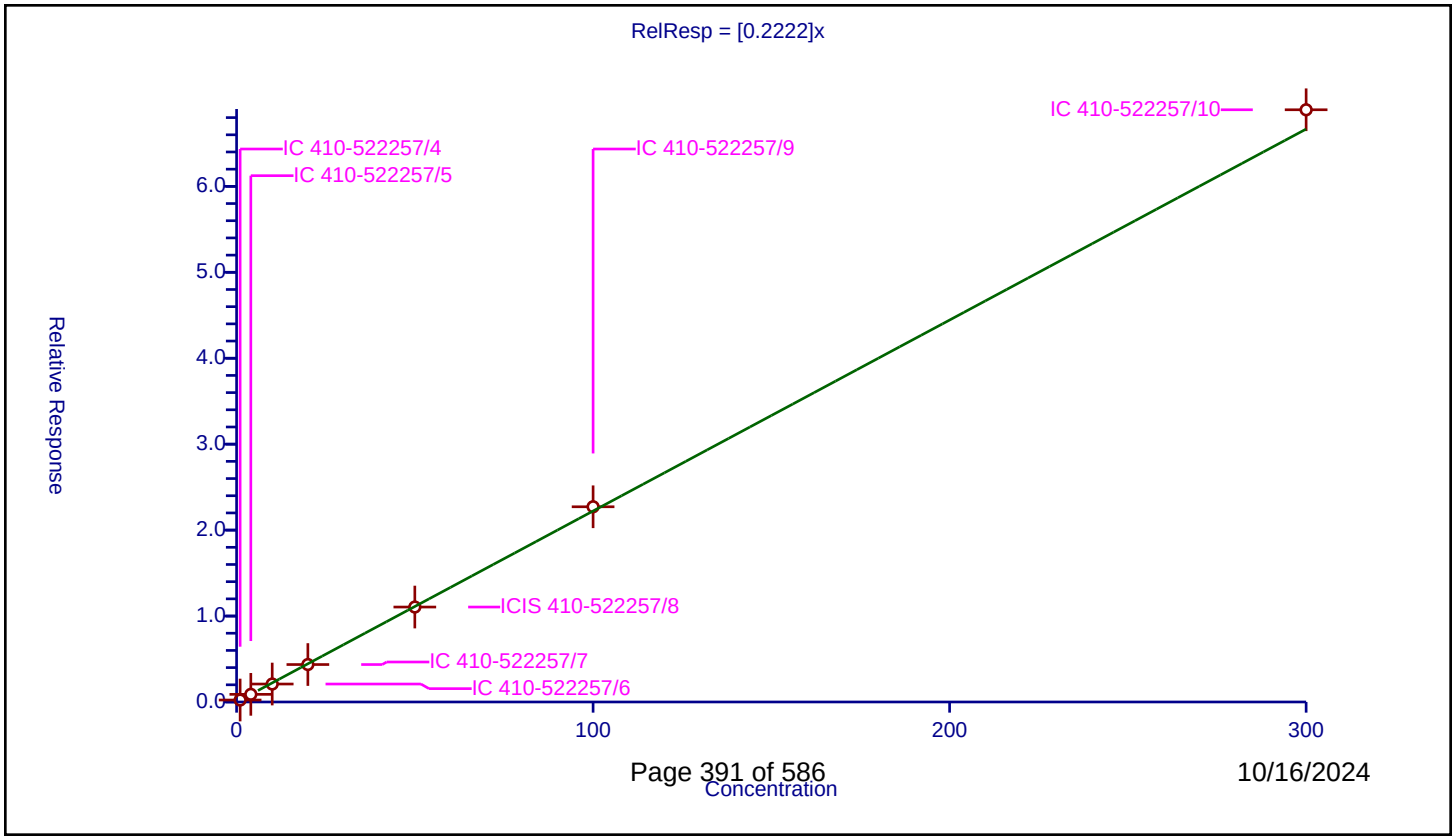
Curve Coefficients

Intercept:	0
Slope:	0.2222

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.228223	50.0	431157.0	0.228223	Y
2	IC 410-522257/5	4.0	0.890506	50.0	425994.0	0.222626	Y
3	IC 410-522257/6	10.0	2.090032	50.0	436333.0	0.209003	Y
4	IC 410-522257/7	20.0	4.357876	50.0	441052.0	0.217894	Y
5	ICIS 410-522257/8	50.0	11.046733	50.0	448911.0	0.220935	Y
6	IC 410-522257/9	100.0	22.716436	50.0	457180.0	0.227164	Y
7	IC 410-522257/10	300.0	68.911553	50.0	477901.0	0.229705	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

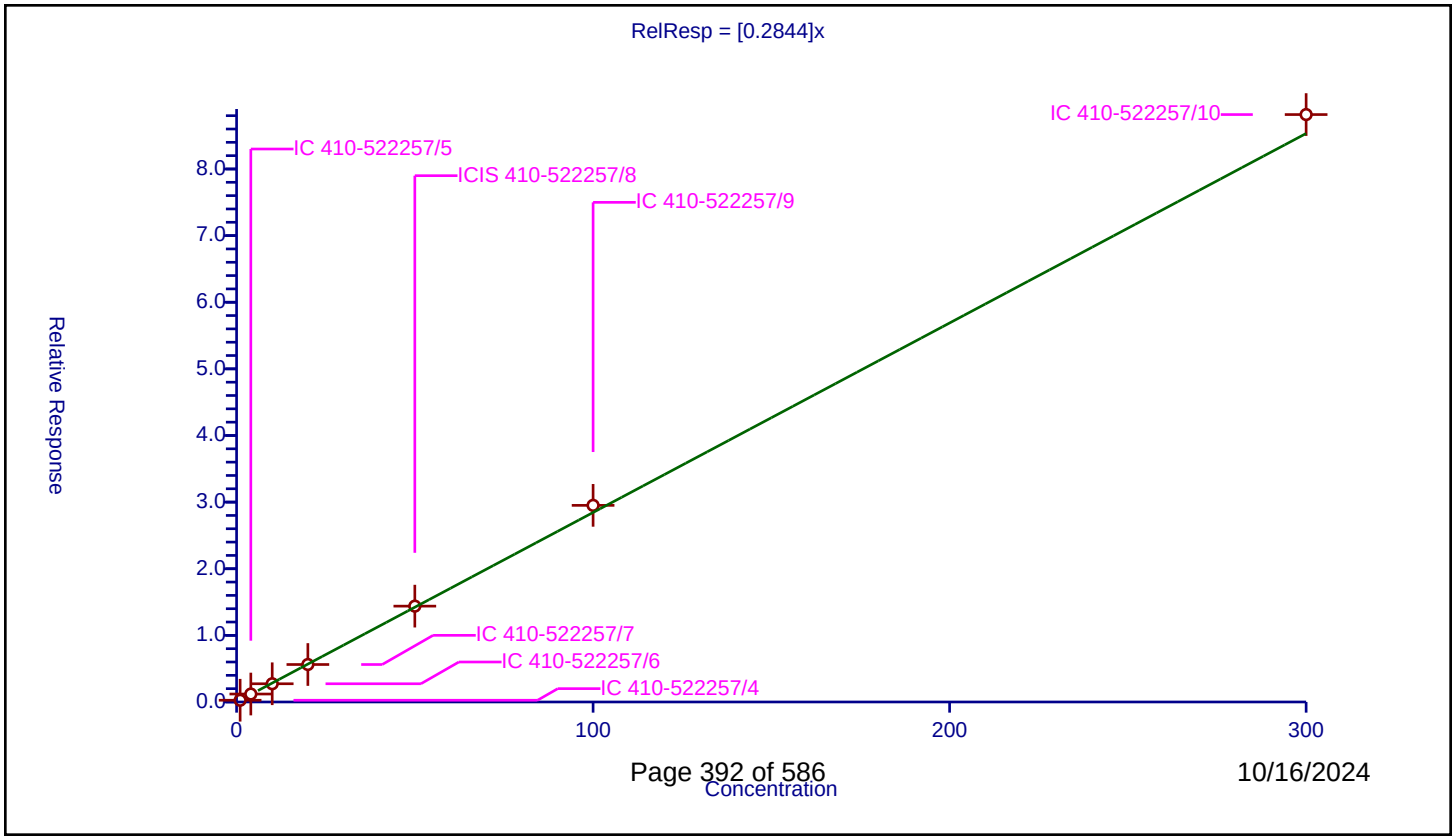
Curve Coefficients

Intercept:	0
Slope:	0.2844

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.26081	50.0	431157.0	0.26081	Y
2	IC 410-522257/5	4.0	1.194148	50.0	425994.0	0.298537	Y
3	IC 410-522257/6	10.0	2.736213	50.0	436333.0	0.273621	Y
4	IC 410-522257/7	20.0	5.626207	50.0	441052.0	0.28131	Y
5	ICIS 410-522257/8	50.0	14.386036	50.0	448911.0	0.287721	Y
6	IC 410-522257/9	100.0	29.510368	50.0	457180.0	0.295104	Y
7	IC 410-522257/10	300.0	88.167528	50.0	477901.0	0.293892	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

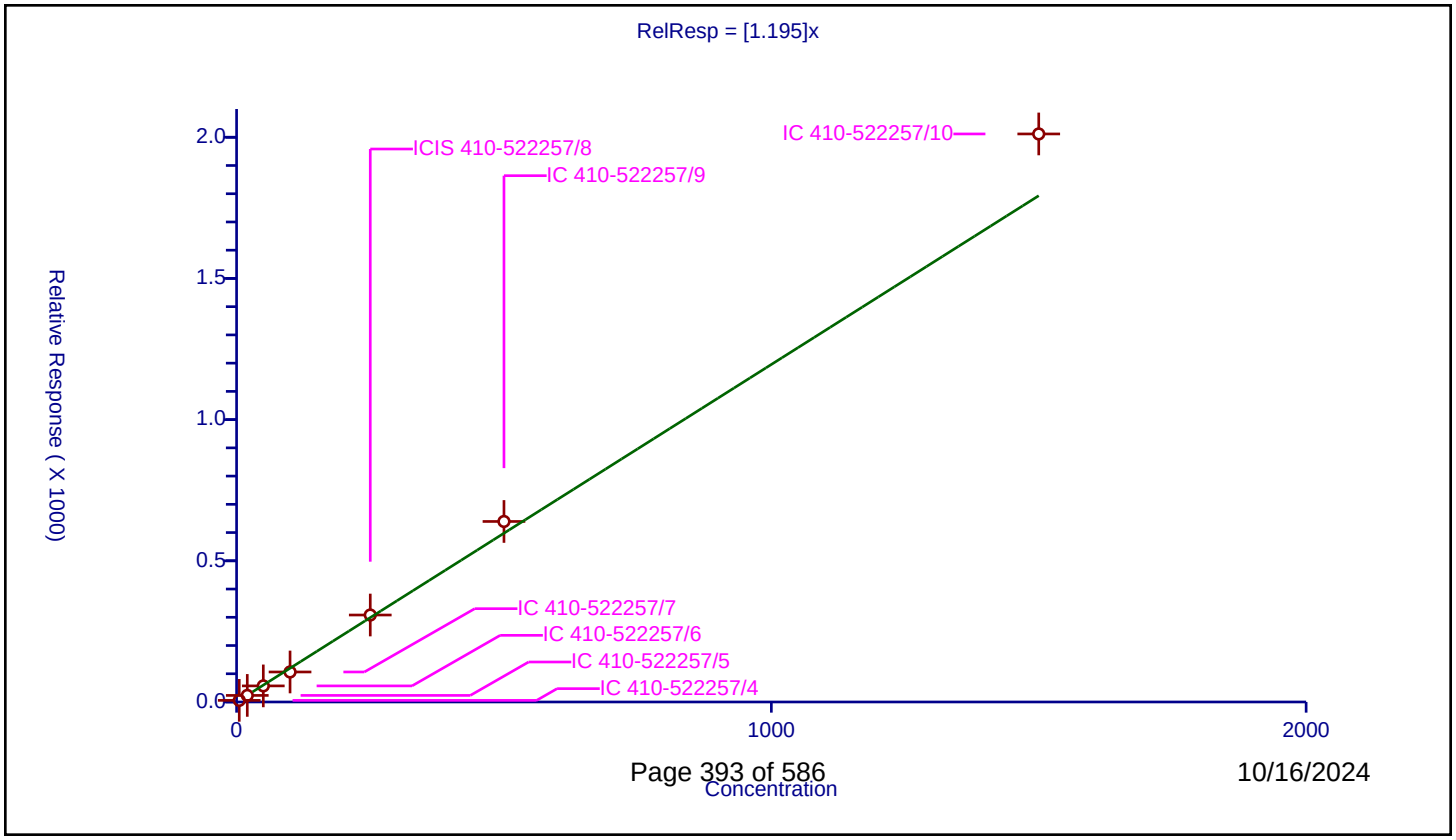
Curve Coefficients

Intercept:	0
Slope:	1.195

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	5.0	5.754017	250.0	243960.0	1.150803	Y
2	IC 410-522257/5	20.0	23.242796	250.0	232244.0	1.16214	Y
3	IC 410-522257/6	50.0	56.955628	250.0	230008.0	1.139113	Y
4	IC 410-522257/7	100.0	106.32575	250.0	241007.0	1.063257	Y
5	ICIS 410-522257/8	250.0	308.044572	250.0	230323.0	1.232178	Y
6	IC 410-522257/9	500.0	639.324003	250.0	228995.0	1.278648	Y
7	IC 410-522257/10	1500.0	2011.740963	250.0	224215.0	1.341161	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

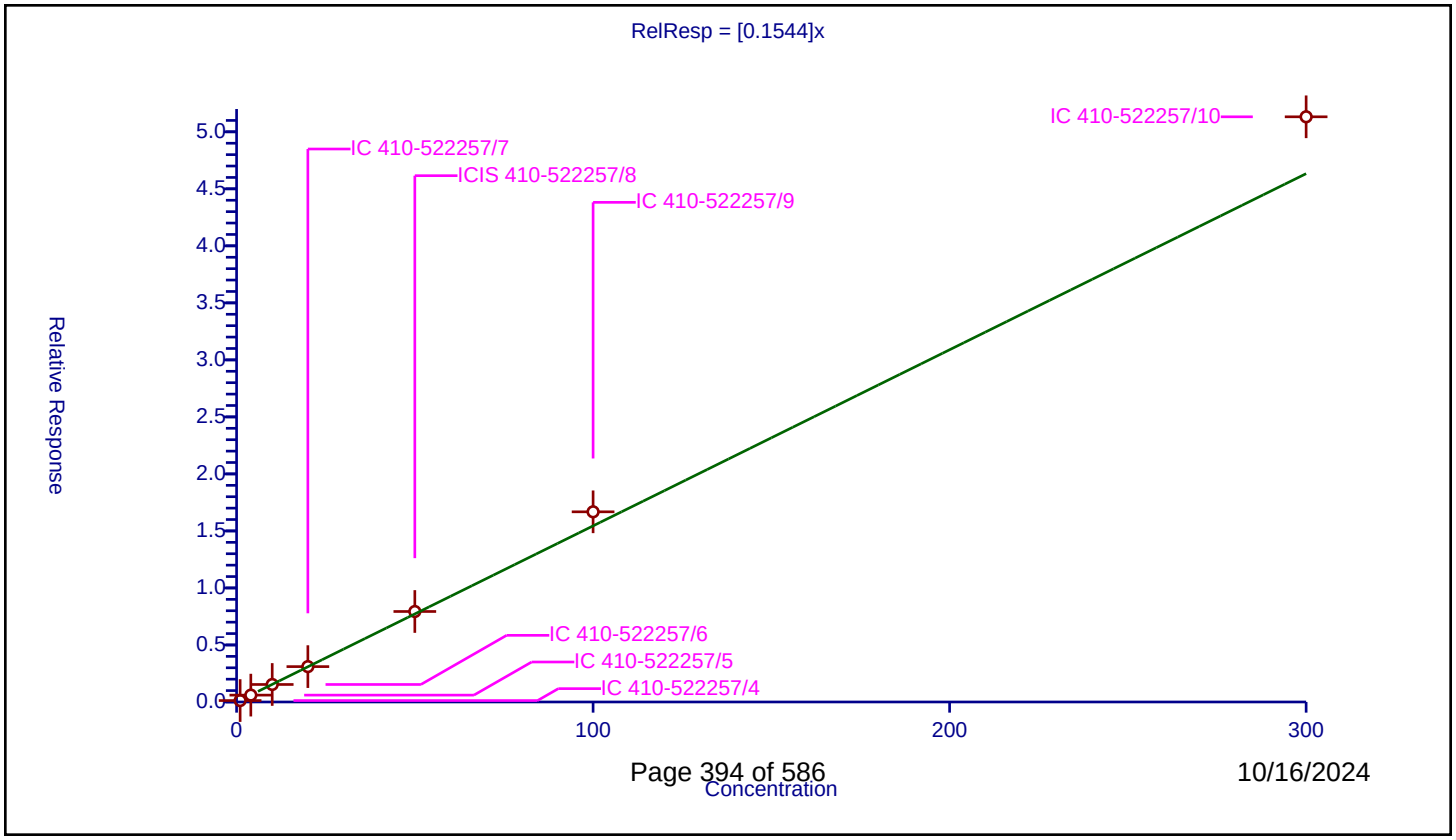
Curve Coefficients

Intercept:	0
Slope:	0.1544

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.12536	50.0	431157.0	0.12536	Y
2	IC 410-522257/5	4.0	0.602356	50.0	425994.0	0.150589	Y
3	IC 410-522257/6	10.0	1.535181	50.0	436333.0	0.153518	Y
4	IC 410-522257/7	20.0	3.101108	50.0	441052.0	0.155055	Y
5	ICIS 410-522257/8	50.0	7.935426	50.0	448911.0	0.158709	Y
6	IC 410-522257/9	100.0	16.676911	50.0	457180.0	0.166769	Y
7	IC 410-522257/10	300.0	51.317637	50.0	477901.0	0.171059	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

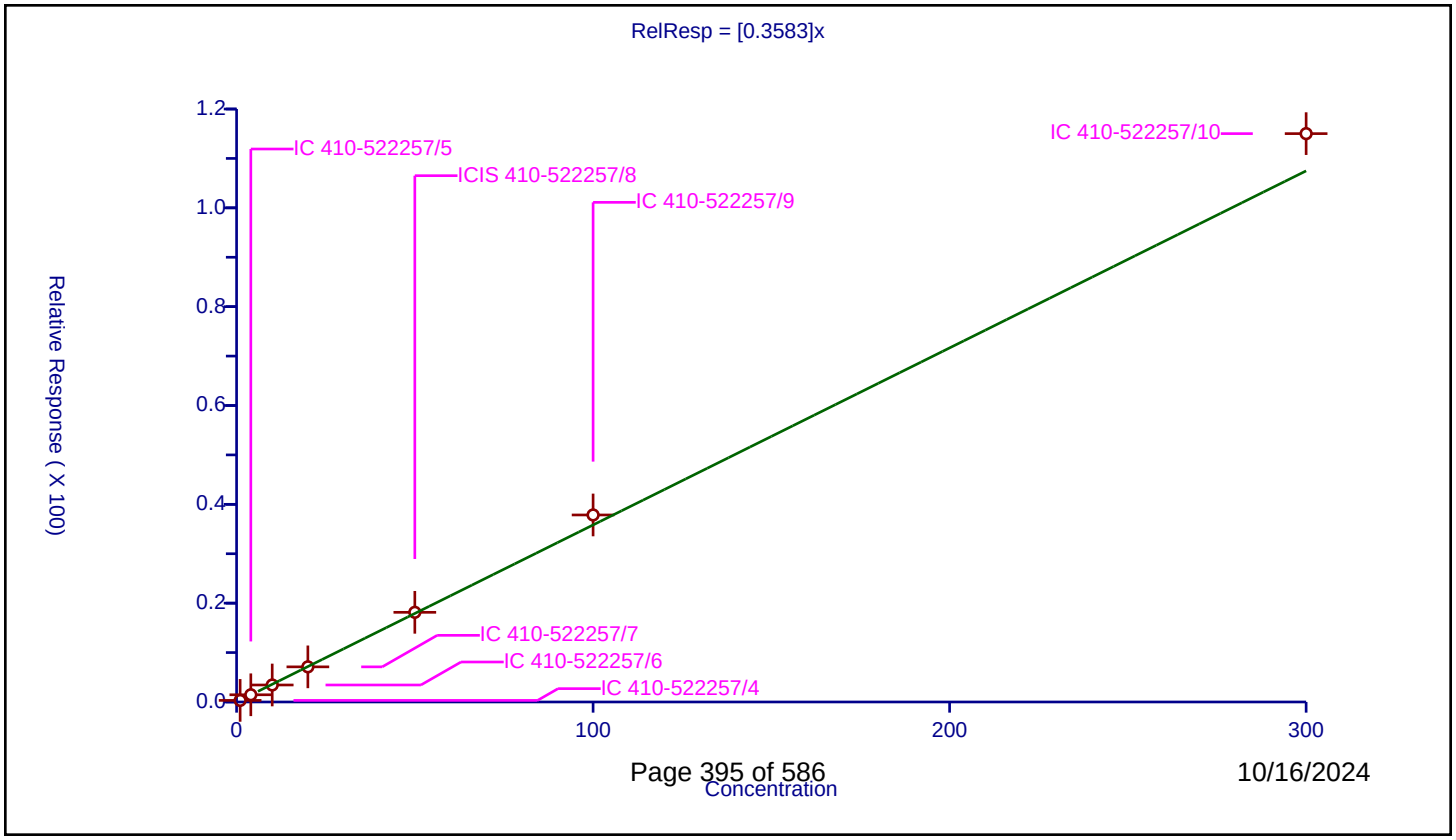
Curve Coefficients

Intercept:	0
Slope:	0.3583

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.318677	50.0	431157.0	0.318677	Y
2	IC 410-522257/5	4.0	1.459528	50.0	425994.0	0.364882	Y
3	IC 410-522257/6	10.0	3.439575	50.0	436333.0	0.343957	Y
4	IC 410-522257/7	20.0	7.110499	50.0	441052.0	0.355525	Y
5	ICIS 410-522257/8	50.0	18.148363	50.0	448911.0	0.362967	Y
6	IC 410-522257/9	100.0	37.849097	50.0	457180.0	0.378491	Y
7	IC 410-522257/10	300.0	115.018592	50.0	477901.0	0.383395	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

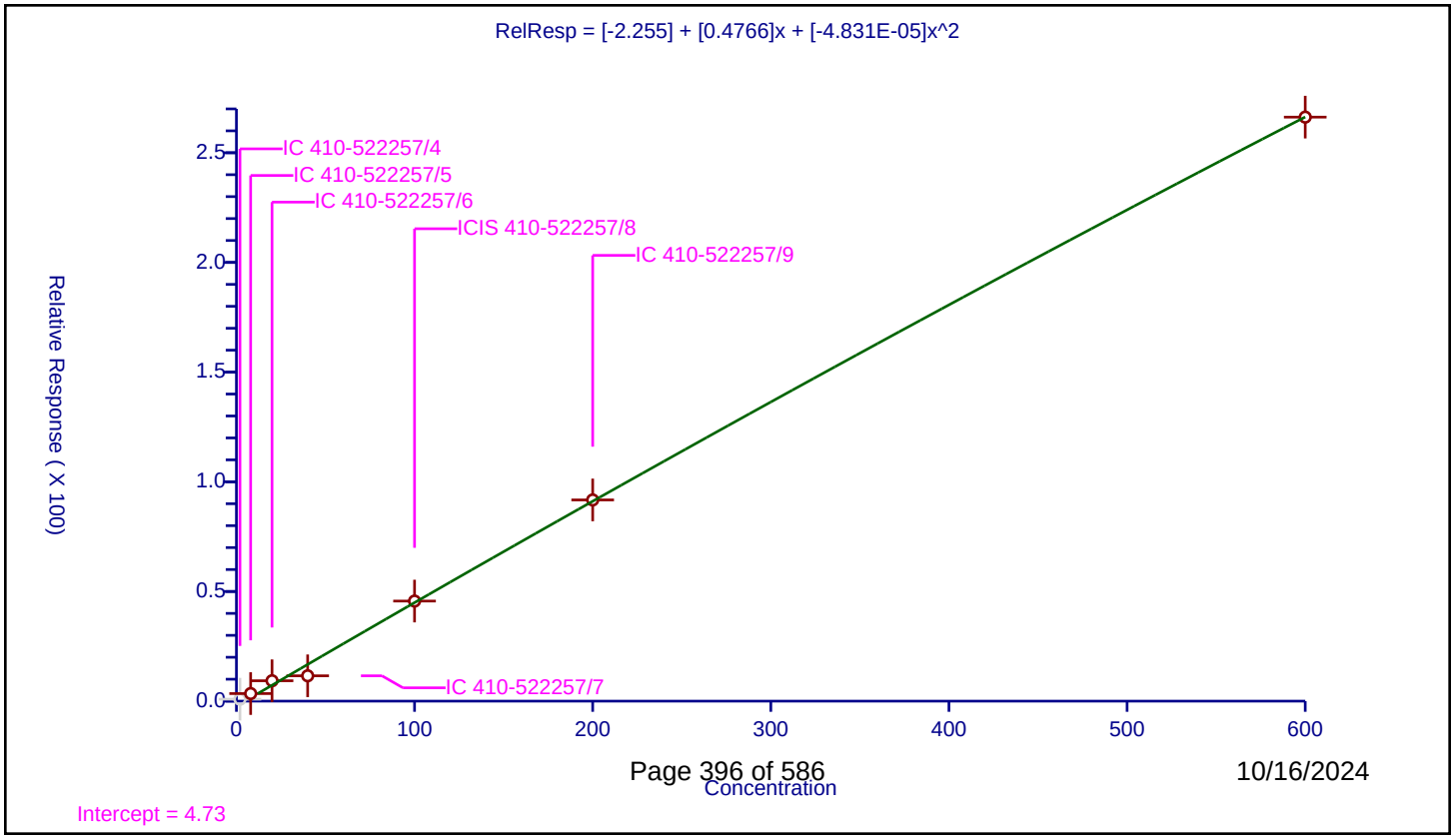
Curve Coefficients

Intercept:	-2.255
Slope:	0.4766
Second Order:	-4.831E-05

Error Coefficients

Relative Standard Deviation:	35.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	2.0	0.897005	50.0	431157.0	0.448503	N
2	IC 410-522257/5	8.0	3.458852	50.0	425994.0	0.432356	Y
3	IC 410-522257/6	20.0	9.289923	50.0	436333.0	0.464496	Y
4	IC 410-522257/7	40.0	11.552719	50.0	441052.0	0.288818	Y
5	ICIS 410-522257/8	100.0	45.630091	50.0	448911.0	0.456301	Y
6	IC 410-522257/9	200.0	91.730391	50.0	457180.0	0.458652	Y
7	IC 410-522257/10	600.0	266.242276	50.0	477901.0	0.443737	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

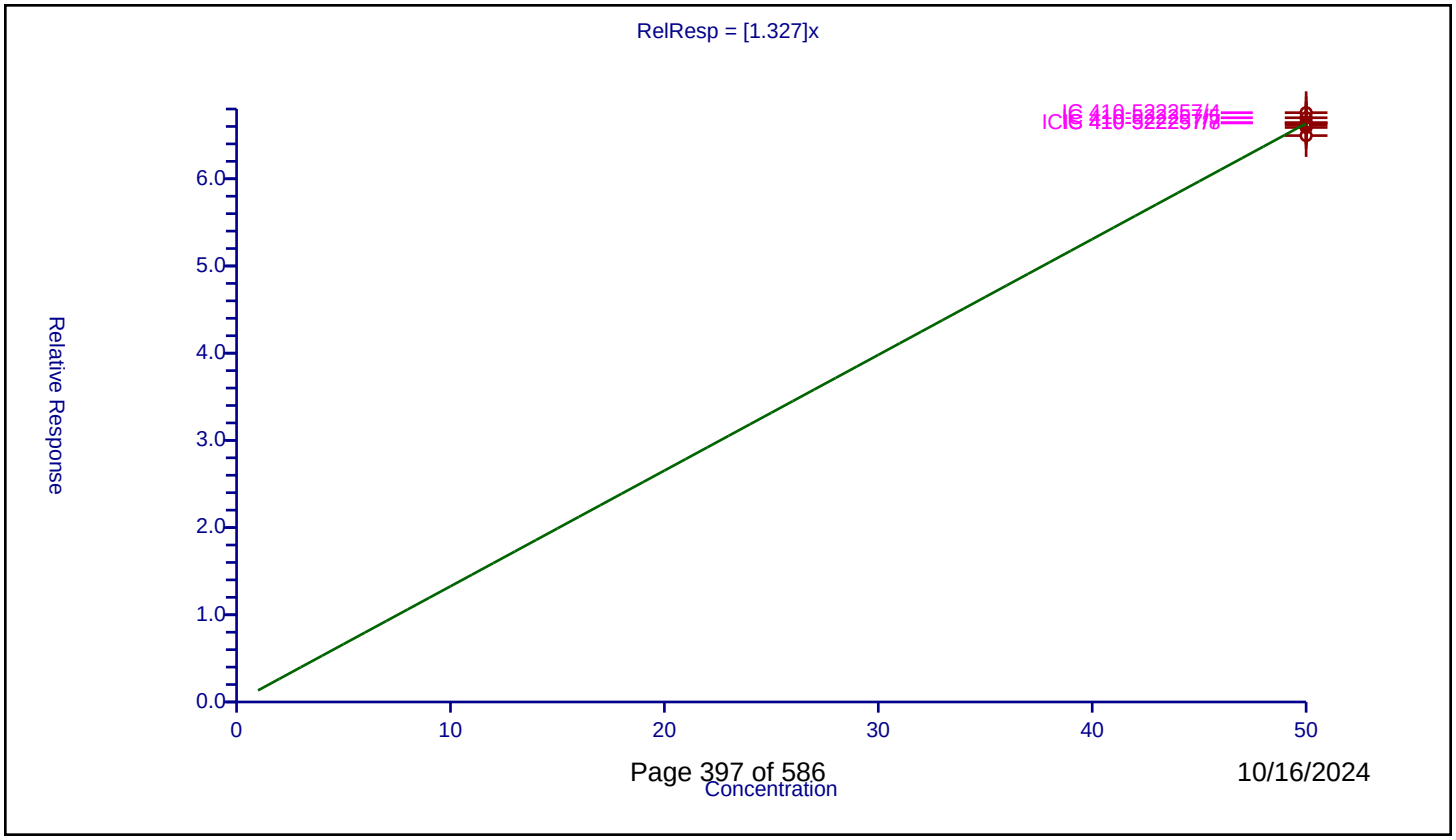
Curve Coefficients

Intercept:	0
Slope:	1.327

Error Coefficients

Relative Standard Deviation:	1.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	50.0	67.581093	50.0	294447.0	1.351622	Y
2	IC 410-522257/5	50.0	66.997969	50.0	295450.0	1.339959	Y
3	IC 410-522257/6	50.0	66.159714	50.0	307951.0	1.323194	Y
4	IC 410-522257/7	50.0	66.405503	50.0	313852.0	1.32811	Y
5	ICIS 410-522257/8	50.0	66.423604	50.0	321111.0	1.328472	Y
6	IC 410-522257/9	50.0	65.880076	50.0	334545.0	1.317602	Y
7	IC 410-522257/10	50.0	64.951163	50.0	358029.0	1.299023	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

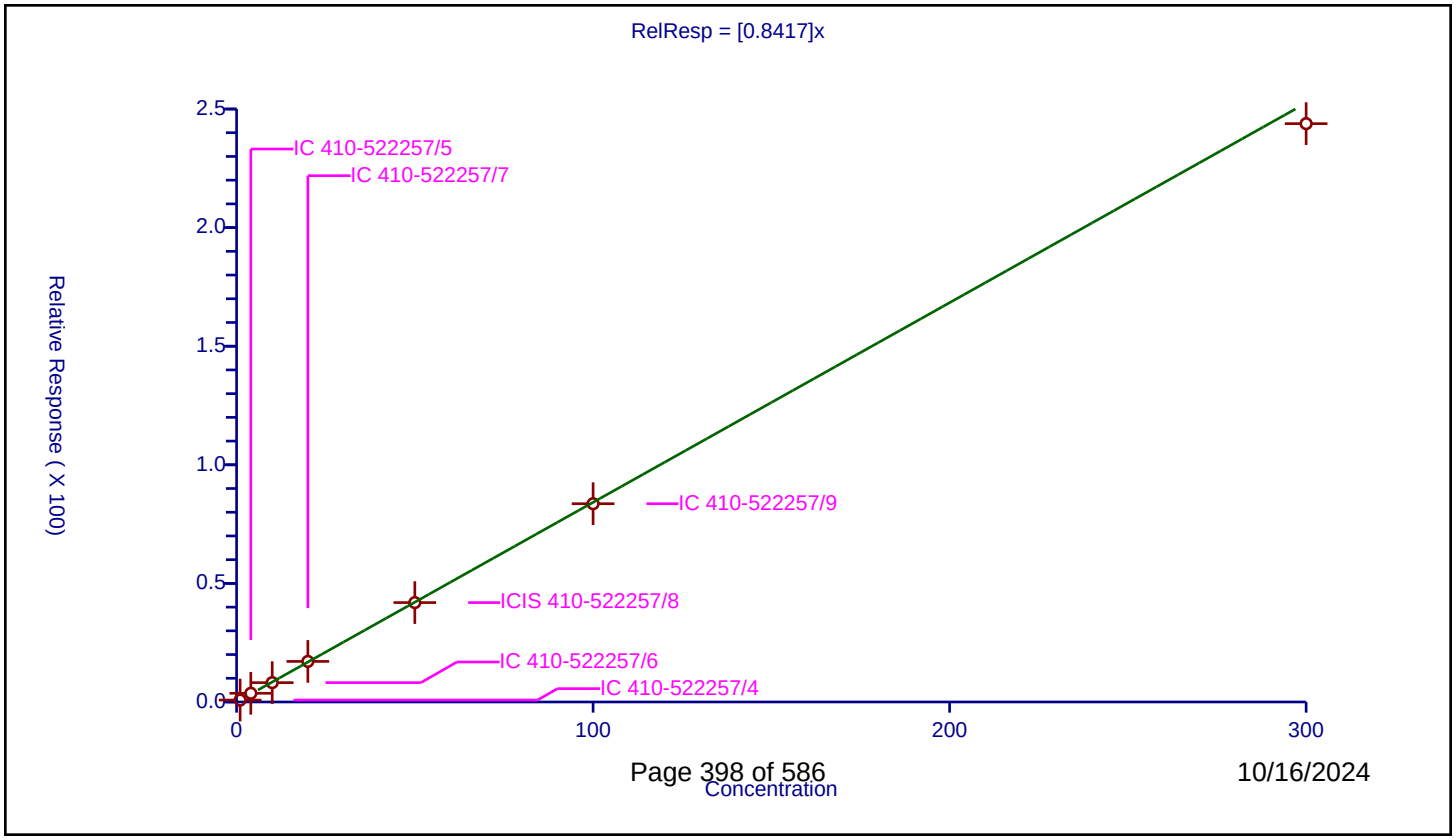
Curve Coefficients

Intercept:	0
Slope:	0.8417

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.817465	50.0	294447.0	0.817465	Y
2	IC 410-522257/5	4.0	3.667964	50.0	295450.0	0.916991	Y
3	IC 410-522257/6	10.0	8.155843	50.0	307951.0	0.815584	Y
4	IC 410-522257/7	20.0	17.105515	50.0	313852.0	0.855276	Y
5	ICIS 410-522257/8	50.0	41.904513	50.0	321111.0	0.83809	Y
6	IC 410-522257/9	100.0	83.60116	50.0	334545.0	0.836012	Y
7	IC 410-522257/10	300.0	243.823685	50.0	358029.0	0.812746	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

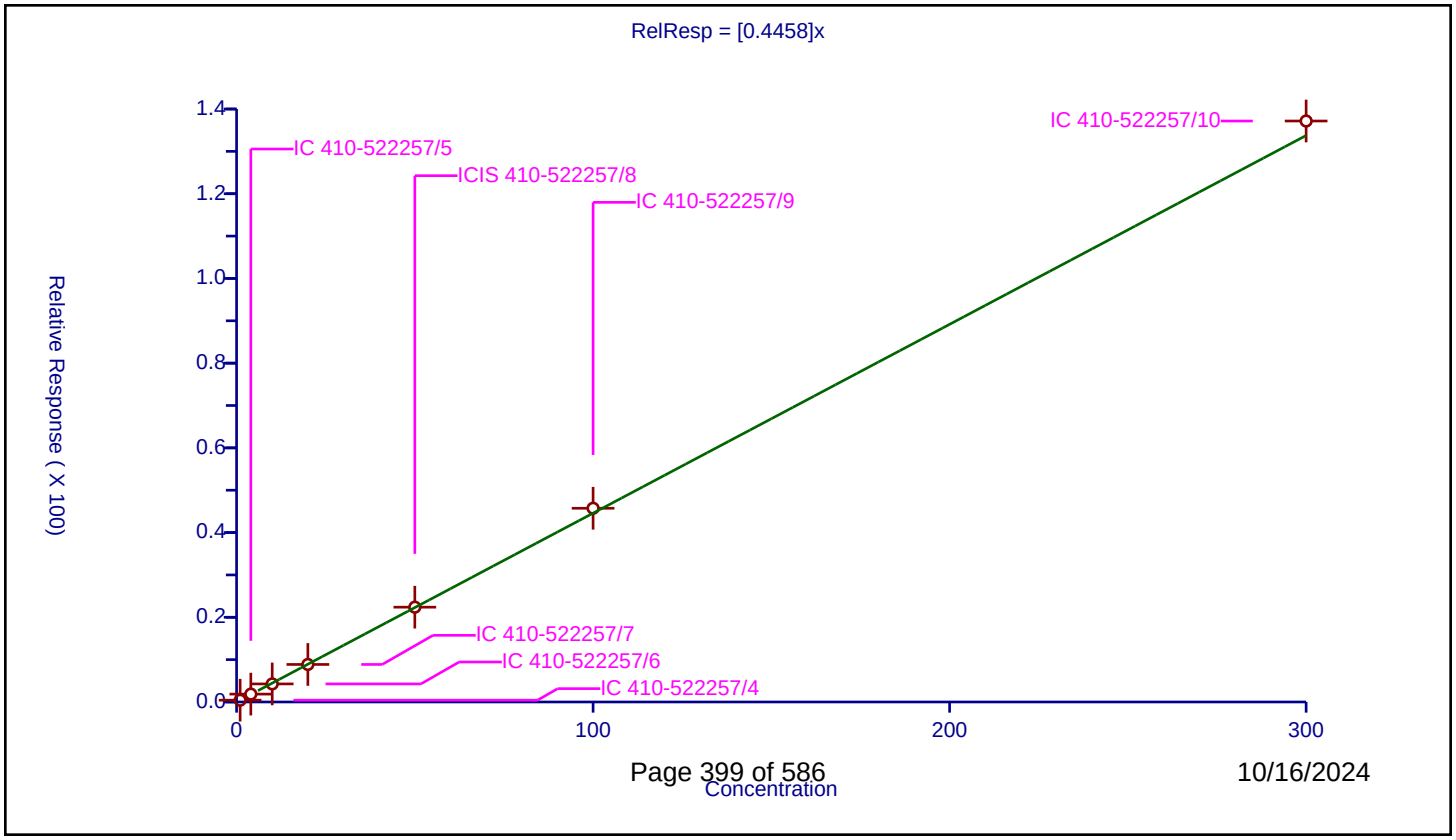
Curve Coefficients

Intercept:	0
Slope:	0.4458

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.423845	50.0	294447.0	0.423845	Y
2	IC 410-522257/5	4.0	1.859875	50.0	295450.0	0.464969	Y
3	IC 410-522257/6	10.0	4.266913	50.0	307951.0	0.426691	Y
4	IC 410-522257/7	20.0	8.861502	50.0	313852.0	0.443075	Y
5	ICIS 410-522257/8	50.0	22.382136	50.0	321111.0	0.447643	Y
6	IC 410-522257/9	100.0	45.734206	50.0	334545.0	0.457342	Y
7	IC 410-522257/10	300.0	137.168777	50.0	358029.0	0.457229	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

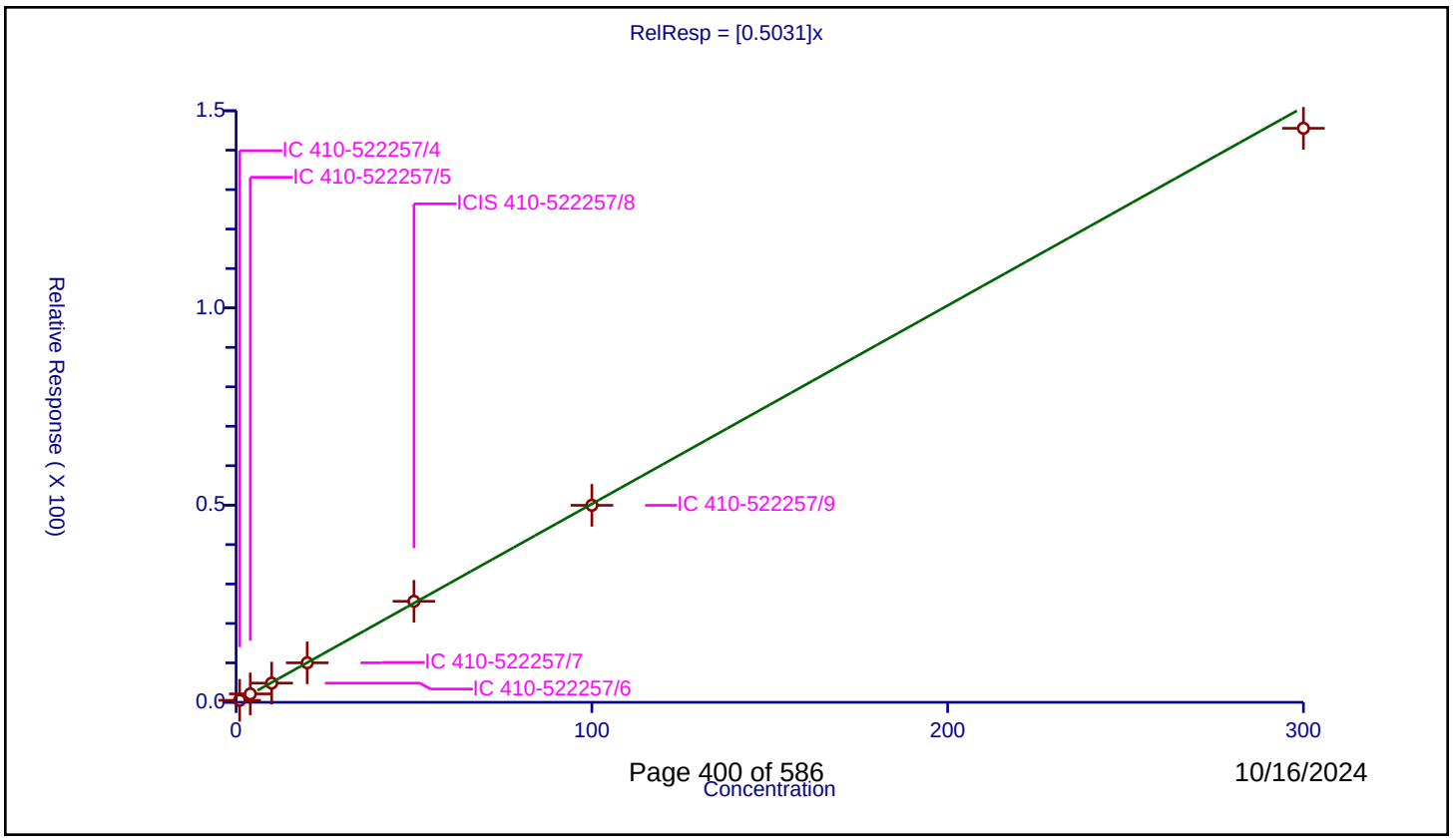
Curve Coefficients

Intercept:	0
Slope:	0.5031

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.503656	50.0	294447.0	0.503656	Y
2	IC 410-522257/5	4.0	2.133017	50.0	295450.0	0.533254	Y
3	IC 410-522257/6	10.0	4.869768	50.0	307951.0	0.486977	Y
4	IC 410-522257/7	20.0	10.014115	50.0	313852.0	0.500706	Y
5	ICIS 410-522257/8	50.0	25.607033	50.0	321111.0	0.512141	Y
6	IC 410-522257/9	100.0	49.957853	50.0	334545.0	0.499579	Y
7	IC 410-522257/10	300.0	145.552316	50.0	358029.0	0.485174	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

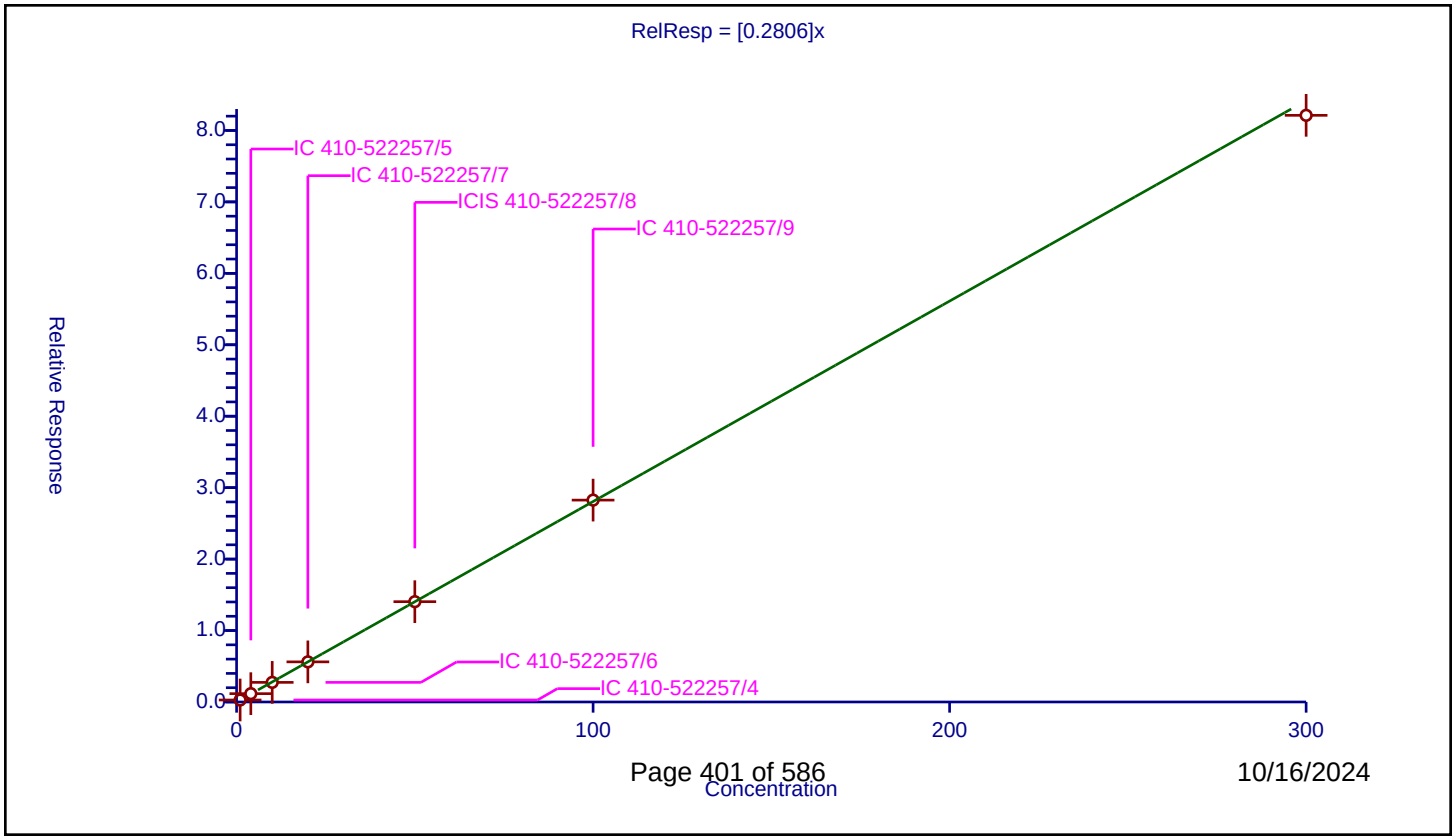
Curve Coefficients

Intercept:	0
Slope:	0.2806

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.279847	50.0	294447.0	0.279847	Y
2	IC 410-522257/5	4.0	1.16771	50.0	295450.0	0.291928	Y
3	IC 410-522257/6	10.0	2.744592	50.0	307951.0	0.274459	Y
4	IC 410-522257/7	20.0	5.614111	50.0	313852.0	0.280706	Y
5	ICIS 410-522257/8	50.0	14.041873	50.0	321111.0	0.280837	Y
6	IC 410-522257/9	100.0	28.257484	50.0	334545.0	0.282575	Y
7	IC 410-522257/10	300.0	82.116812	50.0	358029.0	0.273723	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

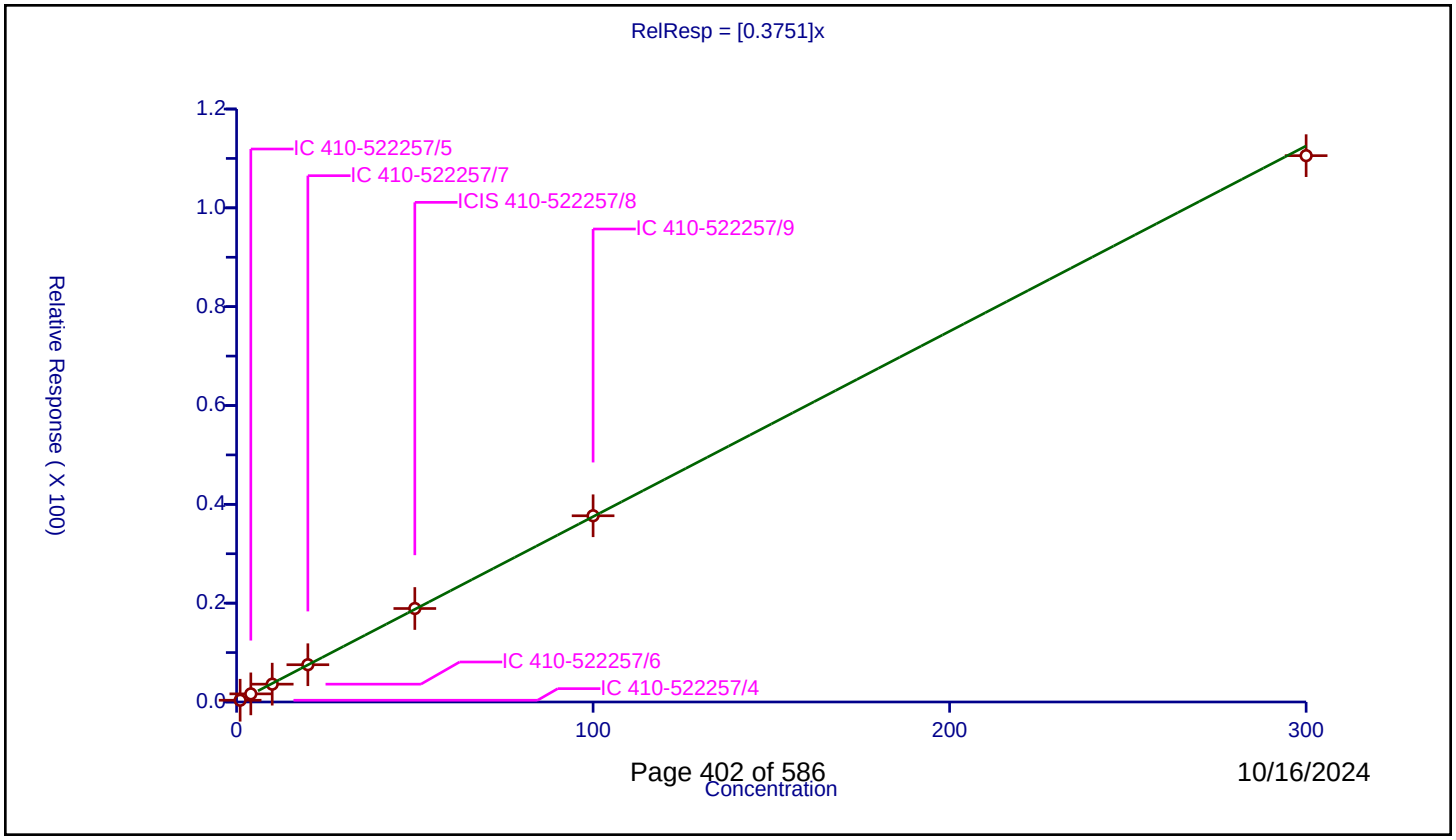
Curve Coefficients

Intercept:	0
Slope:	0.3751

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.352865	50.0	294447.0	0.352865	Y
2	IC 410-522257/5	4.0	1.644779	50.0	295450.0	0.411195	Y
3	IC 410-522257/6	10.0	3.607717	50.0	307951.0	0.360772	Y
4	IC 410-522257/7	20.0	7.542727	50.0	313852.0	0.377136	Y
5	ICIS 410-522257/8	50.0	18.918225	50.0	321111.0	0.378364	Y
6	IC 410-522257/9	100.0	37.687606	50.0	334545.0	0.376876	Y
7	IC 410-522257/10	300.0	110.561575	50.0	358029.0	0.368539	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

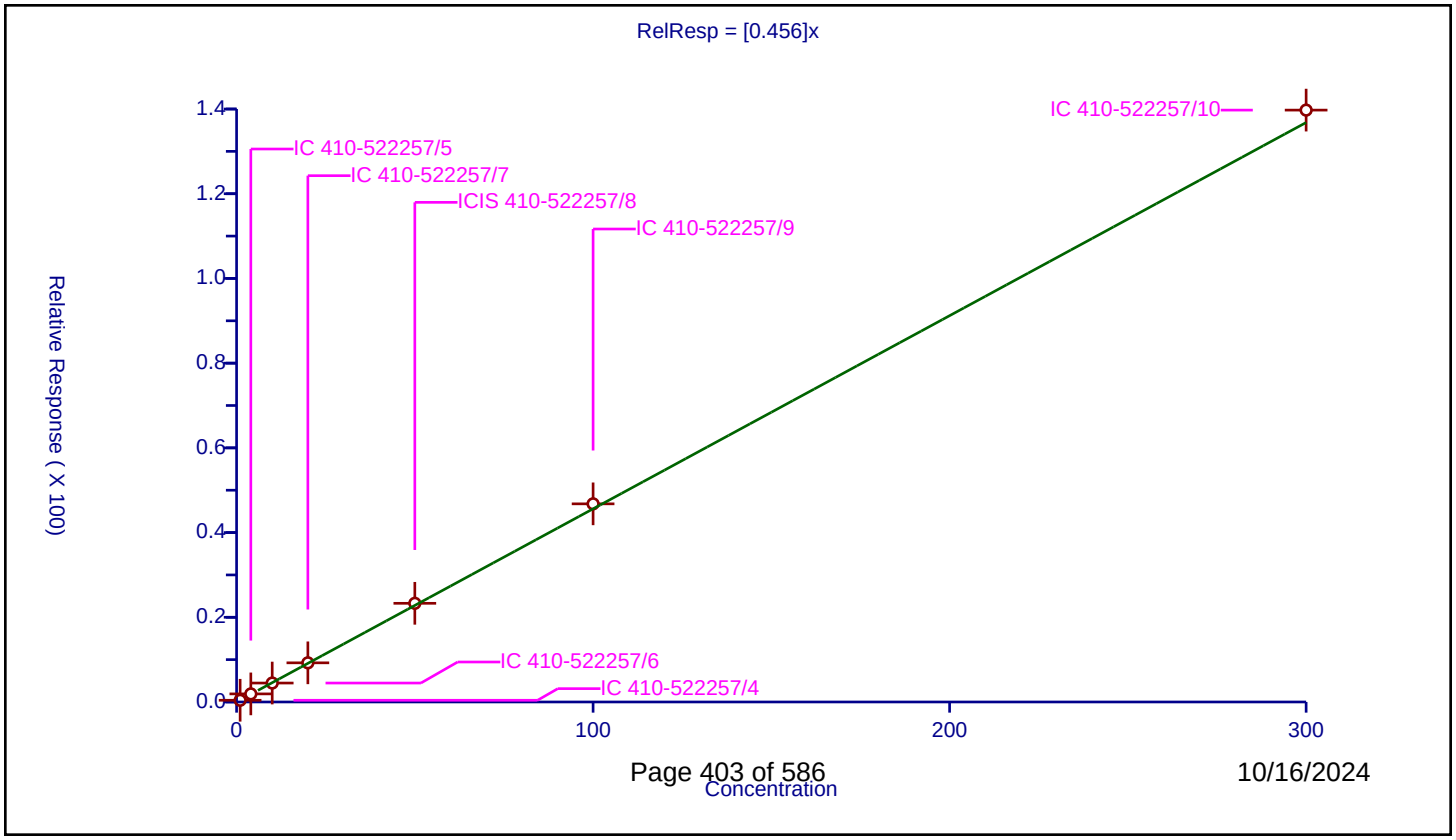
Curve Coefficients

Intercept:	0
Slope:	0.456

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.405846	50.0	294447.0	0.405846	Y
2	IC 410-522257/5	4.0	1.90946	50.0	295450.0	0.477365	Y
3	IC 410-522257/6	10.0	4.471815	50.0	307951.0	0.447182	Y
4	IC 410-522257/7	20.0	9.245281	50.0	313852.0	0.462264	Y
5	ICIS 410-522257/8	50.0	23.295839	50.0	321111.0	0.465917	Y
6	IC 410-522257/9	100.0	46.781449	50.0	334545.0	0.467814	Y
7	IC 410-522257/10	300.0	139.743568	50.0	358029.0	0.465812	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

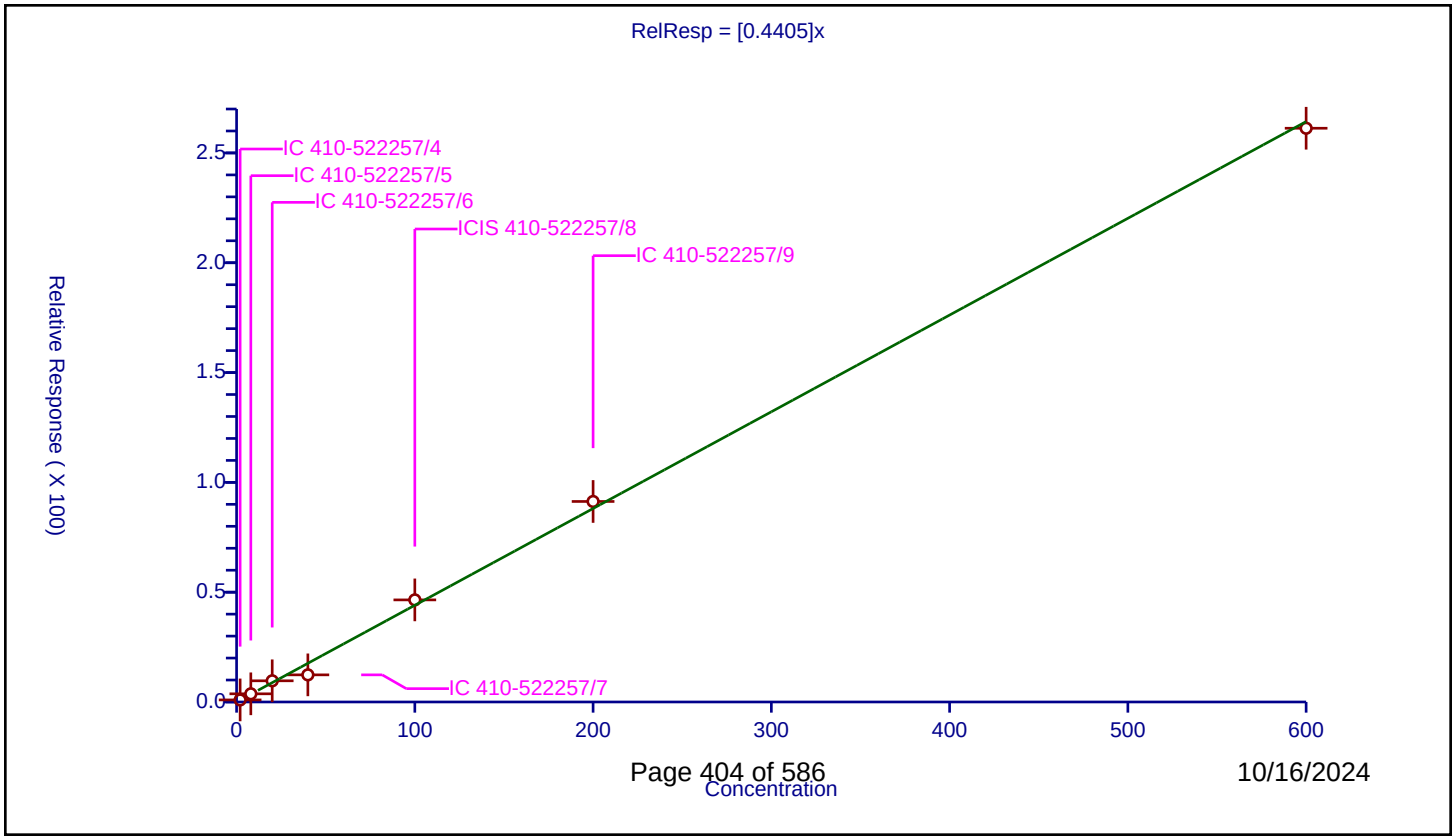
Curve Coefficients

Intercept:	0
Slope:	0.4405

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	2.0	0.940916	50.0	294447.0	0.470458	Y
2	IC 410-522257/5	8.0	3.719919	50.0	295450.0	0.46499	Y
3	IC 410-522257/6	20.0	9.641794	50.0	307951.0	0.48209	Y
4	IC 410-522257/7	40.0	12.35678	50.0	313852.0	0.308919	Y
5	ICIS 410-522257/8	100.0	46.483926	50.0	321111.0	0.464839	Y
6	IC 410-522257/9	200.0	91.298629	50.0	334545.0	0.456493	Y
7	IC 410-522257/10	600.0	261.245737	50.0	358029.0	0.43541	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

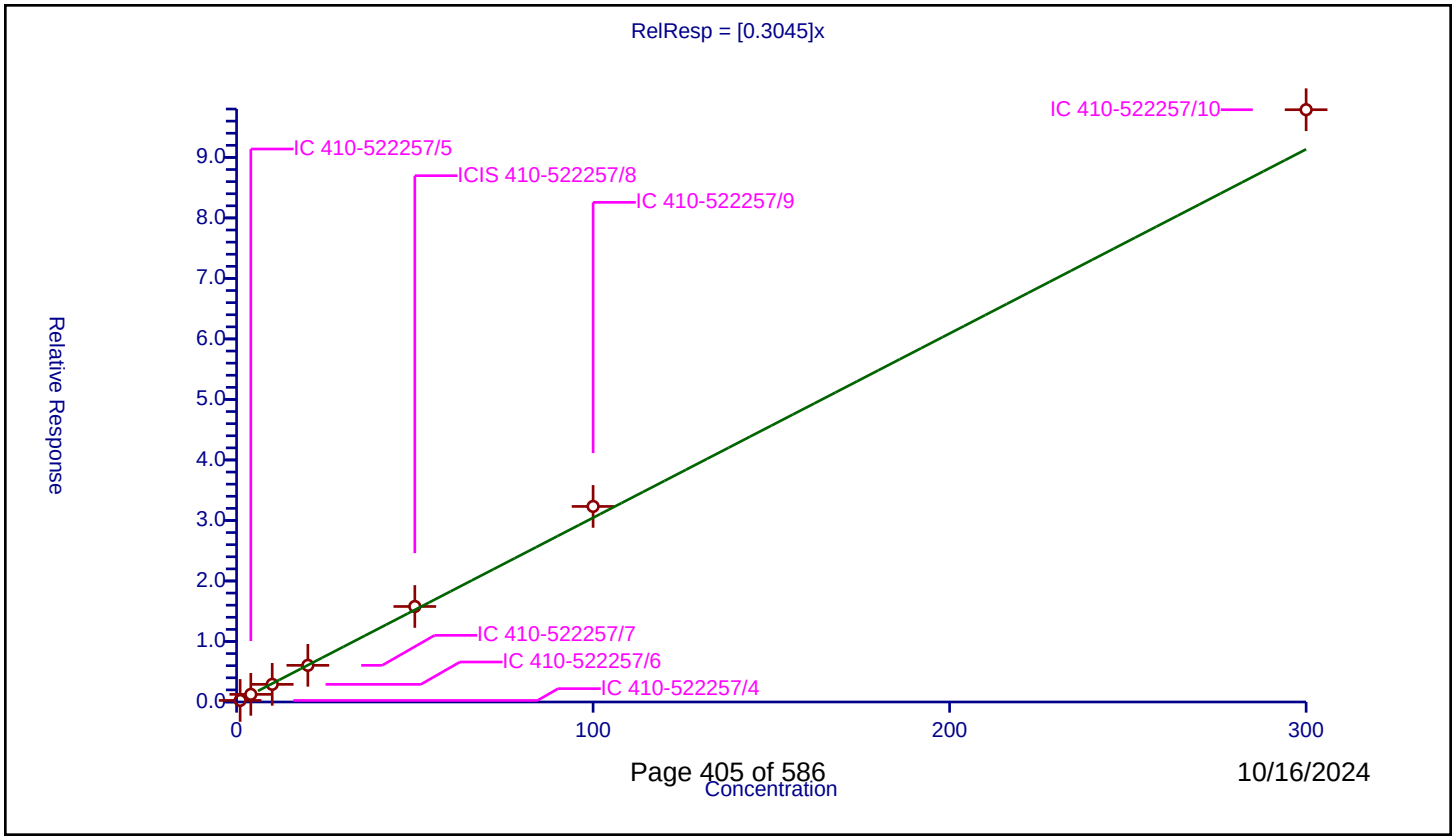
Curve Coefficients

Intercept:	0
Slope:	0.3045

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.256922	50.0	294447.0	0.256922	Y
2	IC 410-522257/5	4.0	1.26045	50.0	295450.0	0.315113	Y
3	IC 410-522257/6	10.0	2.9141	50.0	307951.0	0.29141	Y
4	IC 410-522257/7	20.0	6.058429	50.0	313852.0	0.302921	Y
5	ICIS 410-522257/8	50.0	15.782237	50.0	321111.0	0.315645	Y
6	IC 410-522257/9	100.0	32.318074	50.0	334545.0	0.323181	Y
7	IC 410-522257/10	300.0	97.887182	50.0	358029.0	0.326291	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

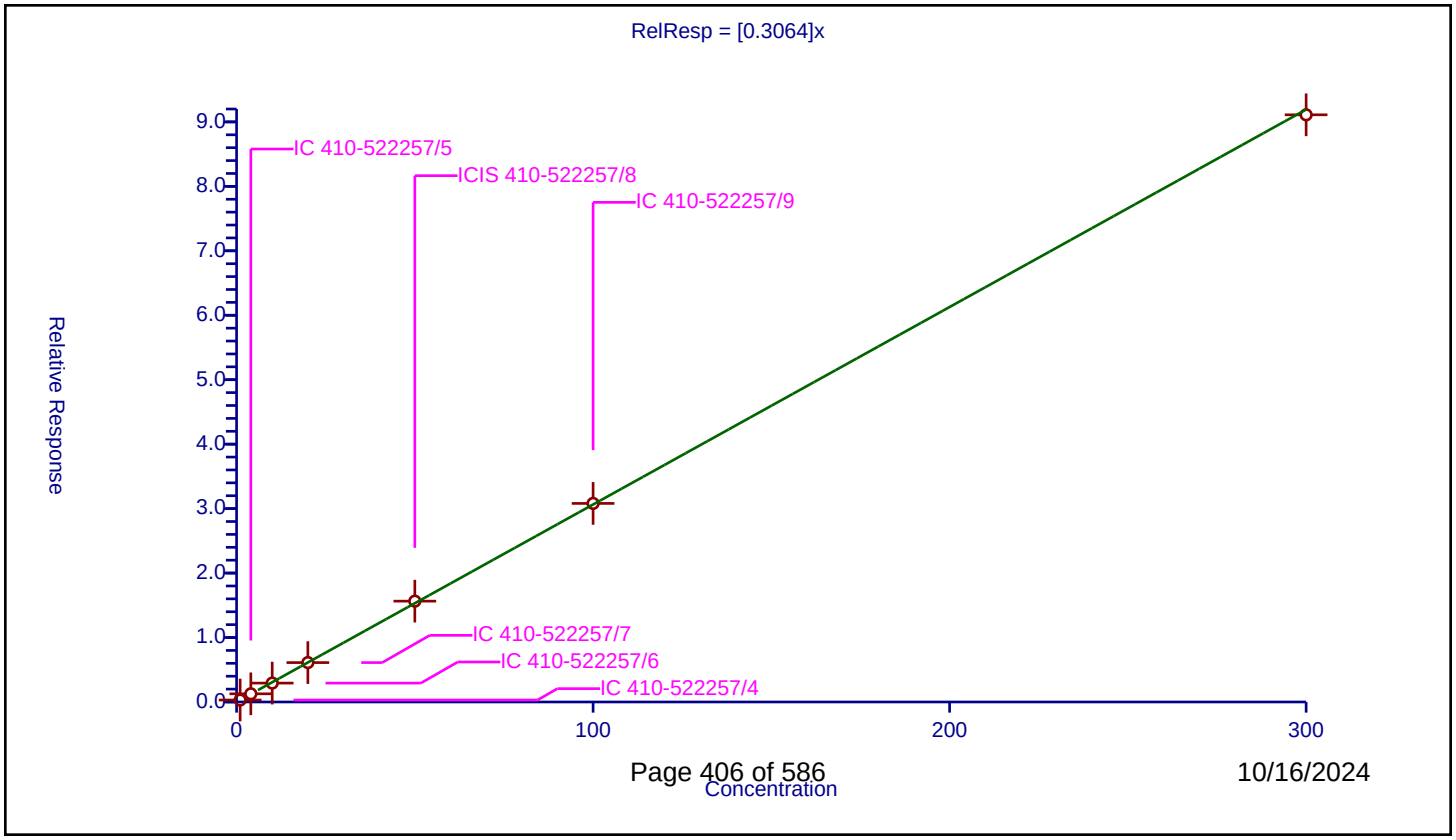
Curve Coefficients

Intercept:	0
Slope:	0.3064

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.304299	50.0	294447.0	0.304299	Y
2	IC 410-522257/5	4.0	1.266881	50.0	295450.0	0.31672	Y
3	IC 410-522257/6	10.0	2.933259	50.0	307951.0	0.293326	Y
4	IC 410-522257/7	20.0	6.114825	50.0	313852.0	0.305741	Y
5	ICIS 410-522257/8	50.0	15.645213	50.0	321111.0	0.312904	Y
6	IC 410-522257/9	100.0	30.809607	50.0	334545.0	0.308096	Y
7	IC 410-522257/10	300.0	91.100302	50.0	358029.0	0.303668	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

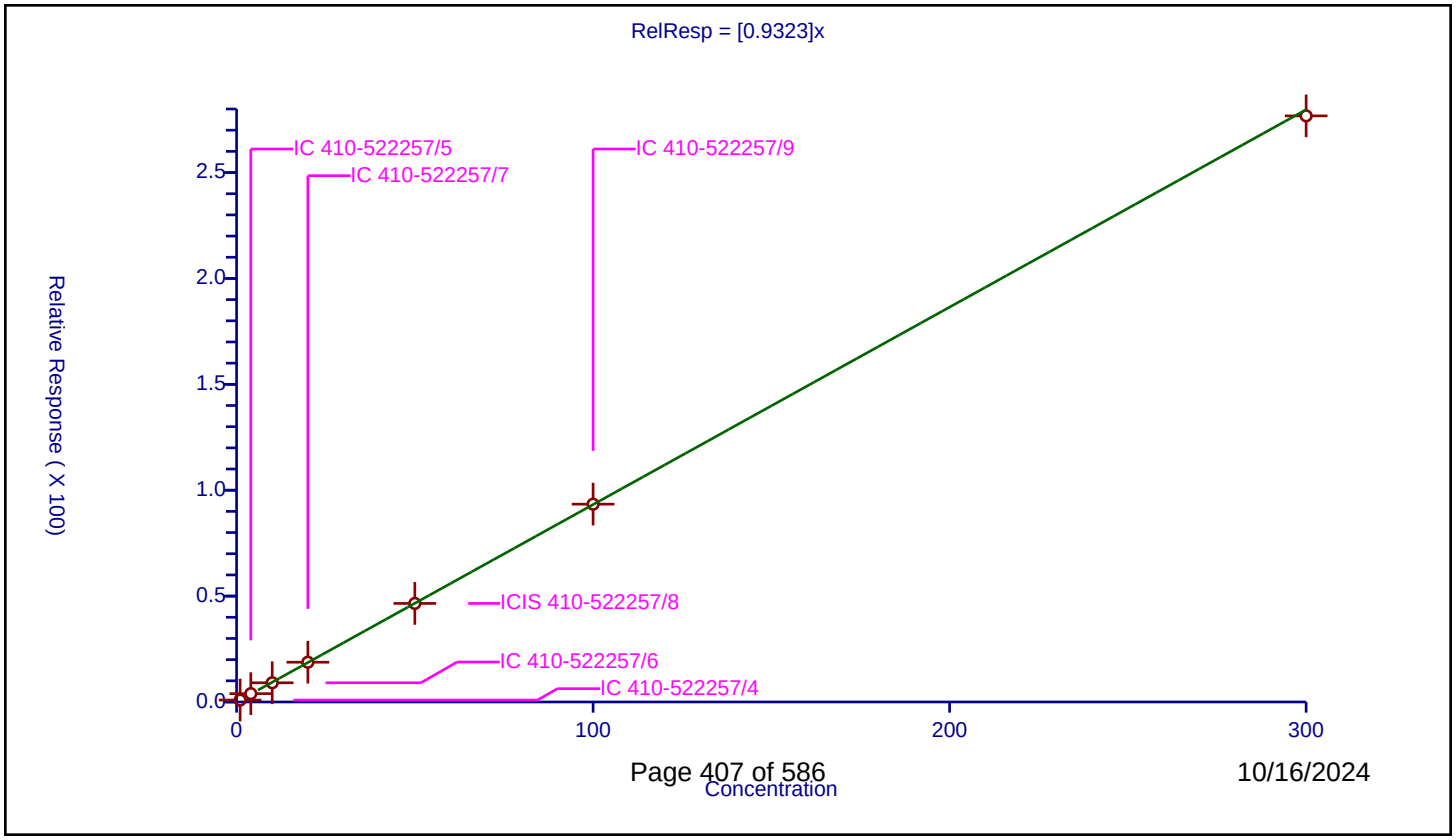
Curve Coefficients

Intercept:	0
Slope:	0.9323

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.907464	50.0	294447.0	0.907464	Y
2	IC 410-522257/5	4.0	3.936707	50.0	295450.0	0.984177	Y
3	IC 410-522257/6	10.0	9.074496	50.0	307951.0	0.90745	Y
4	IC 410-522257/7	20.0	18.786084	50.0	313852.0	0.939304	Y
5	ICIS 410-522257/8	50.0	46.541539	50.0	321111.0	0.930831	Y
6	IC 410-522257/9	100.0	93.412246	50.0	334545.0	0.934122	Y
7	IC 410-522257/10	300.0	276.767245	50.0	358029.0	0.922557	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

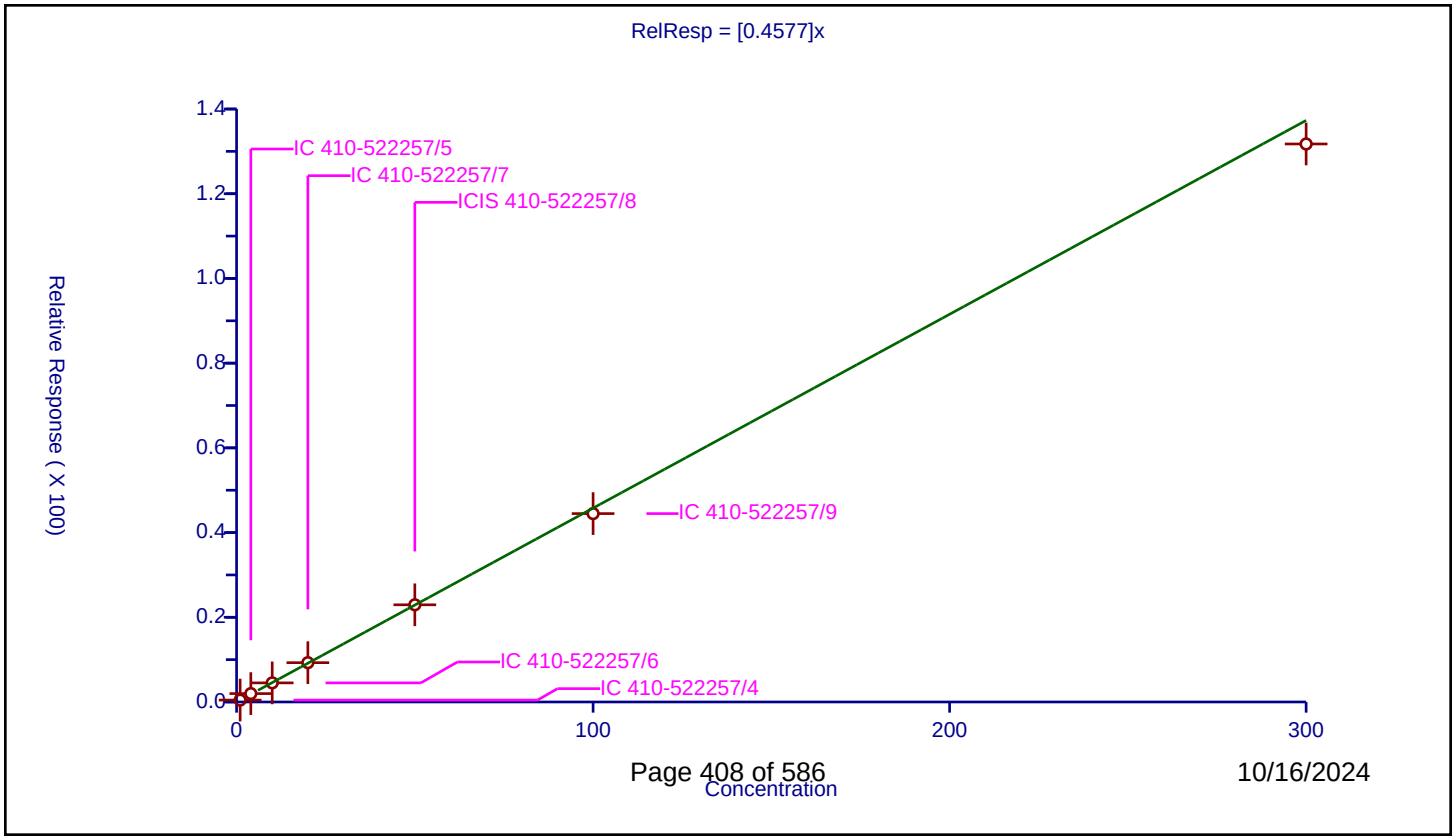
Curve Coefficients

Intercept:	0
Slope:	0.4577

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.450336	50.0	294447.0	0.450336	Y
2	IC 410-522257/5	4.0	1.982061	50.0	295450.0	0.495515	Y
3	IC 410-522257/6	10.0	4.509321	50.0	307951.0	0.450932	Y
4	IC 410-522257/7	20.0	9.286224	50.0	313852.0	0.464311	Y
5	ICIS 410-522257/8	50.0	22.94378	50.0	321111.0	0.458876	Y
6	IC 410-522257/9	100.0	44.477275	50.0	334545.0	0.444773	Y
7	IC 410-522257/10	300.0	131.746451	50.0	358029.0	0.439155	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

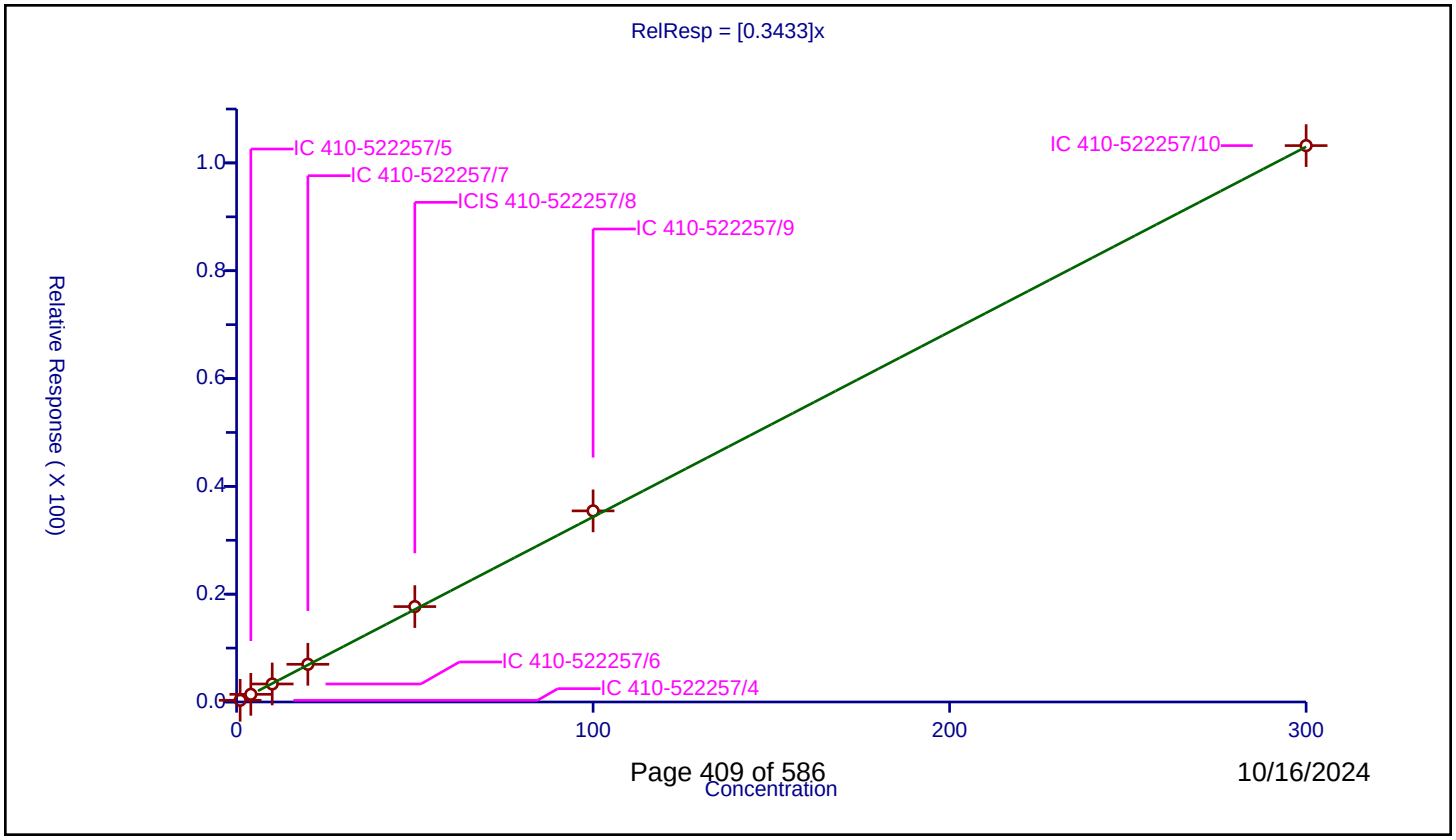
Curve Coefficients

Intercept:	0
Slope:	0.3433

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.311941	50.0	294447.0	0.311941	Y
2	IC 410-522257/5	4.0	1.420037	50.0	295450.0	0.355009	Y
3	IC 410-522257/6	10.0	3.339817	50.0	307951.0	0.333982	Y
4	IC 410-522257/7	20.0	6.99422	50.0	313852.0	0.349711	Y
5	ICIS 410-522257/8	50.0	17.69793	50.0	321111.0	0.353959	Y
6	IC 410-522257/9	100.0	35.449491	50.0	334545.0	0.354495	Y
7	IC 410-522257/10	300.0	103.213846	50.0	358029.0	0.344046	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

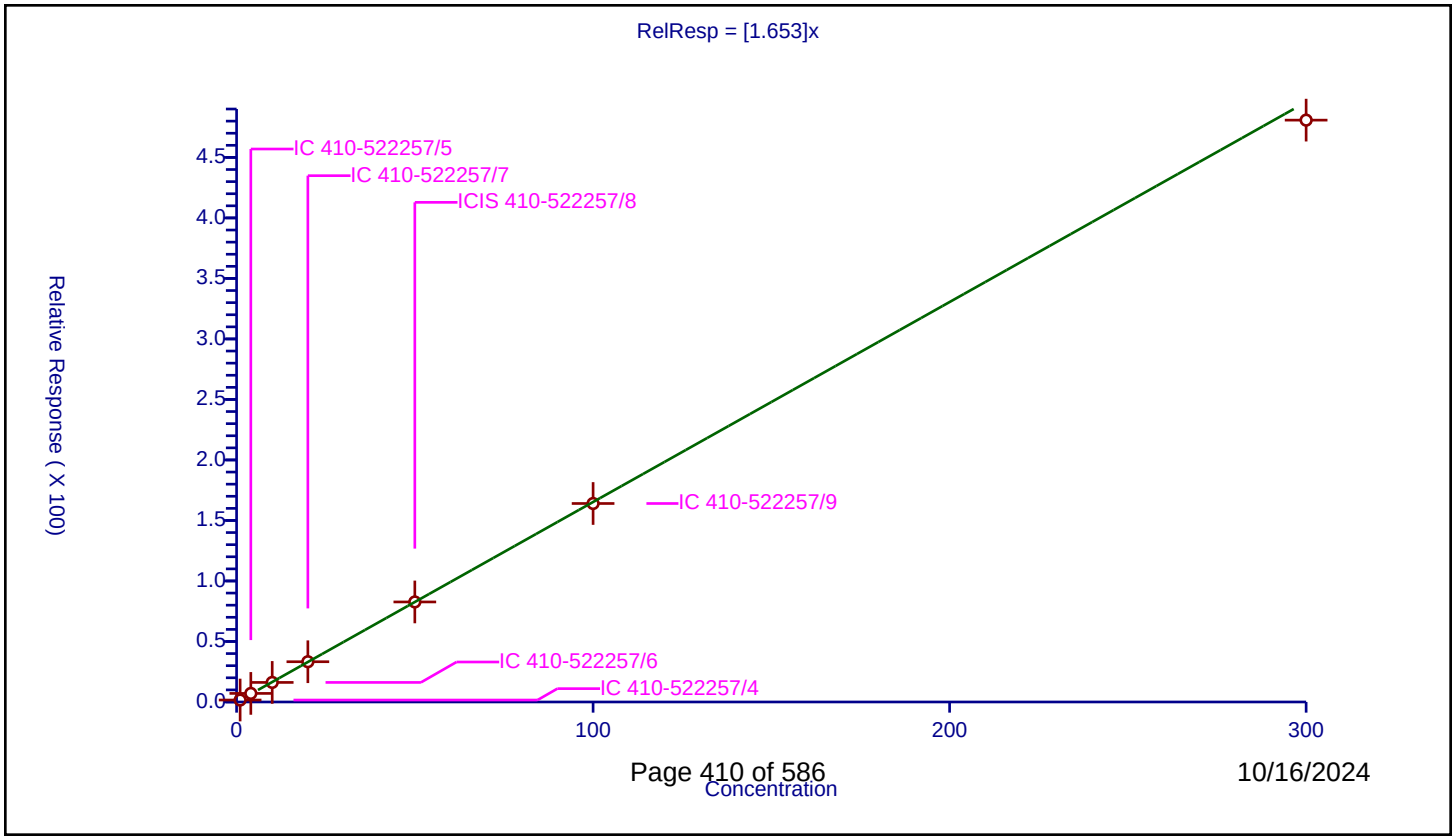
Curve Coefficients

Intercept:	0
Slope:	1.653

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	1.620326	50.0	294447.0	1.620326	Y
2	IC 410-522257/5	4.0	7.084447	50.0	295450.0	1.771112	Y
3	IC 410-522257/6	10.0	16.171079	50.0	307951.0	1.617108	Y
4	IC 410-522257/7	20.0	33.257236	50.0	313852.0	1.662862	Y
5	ICIS 410-522257/8	50.0	82.666741	50.0	321111.0	1.653335	Y
6	IC 410-522257/9	100.0	164.021283	50.0	334545.0	1.640213	Y
7	IC 410-522257/10	300.0	480.815381	50.0	358029.0	1.602718	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

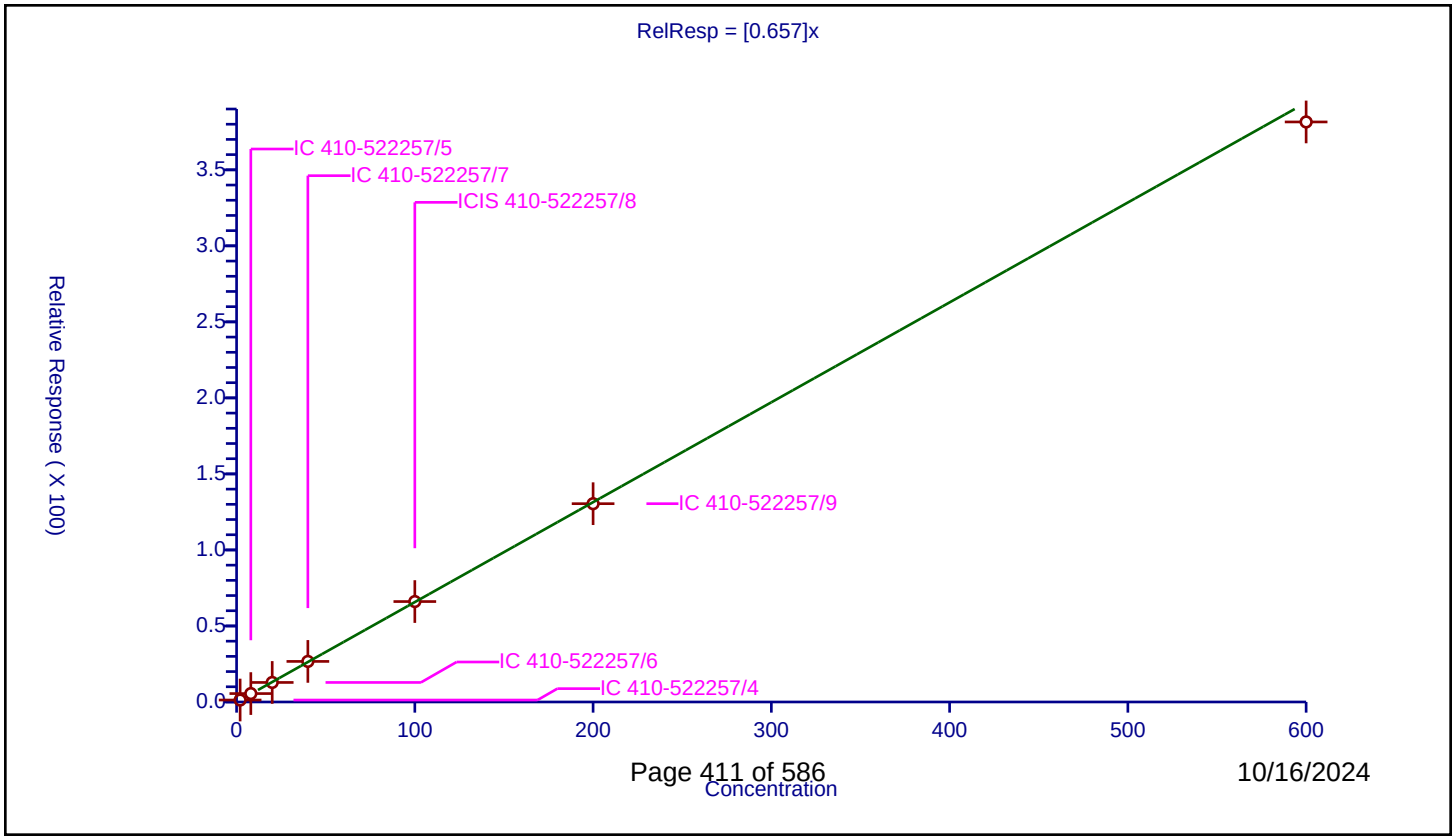
Curve Coefficients

Intercept:	0
Slope:	0.657

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	2.0	1.297008	50.0	294447.0	0.648504	Y
2	IC 410-522257/5	8.0	5.539178	50.0	295450.0	0.692397	Y
3	IC 410-522257/6	20.0	12.85448	50.0	307951.0	0.642724	Y
4	IC 410-522257/7	40.0	26.678498	50.0	313852.0	0.666962	Y
5	ICIS 410-522257/8	100.0	66.062203	50.0	321111.0	0.660622	Y
6	IC 410-522257/9	200.0	130.417881	50.0	334545.0	0.652089	Y
7	IC 410-522257/10	600.0	381.498985	50.0	358029.0	0.635832	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

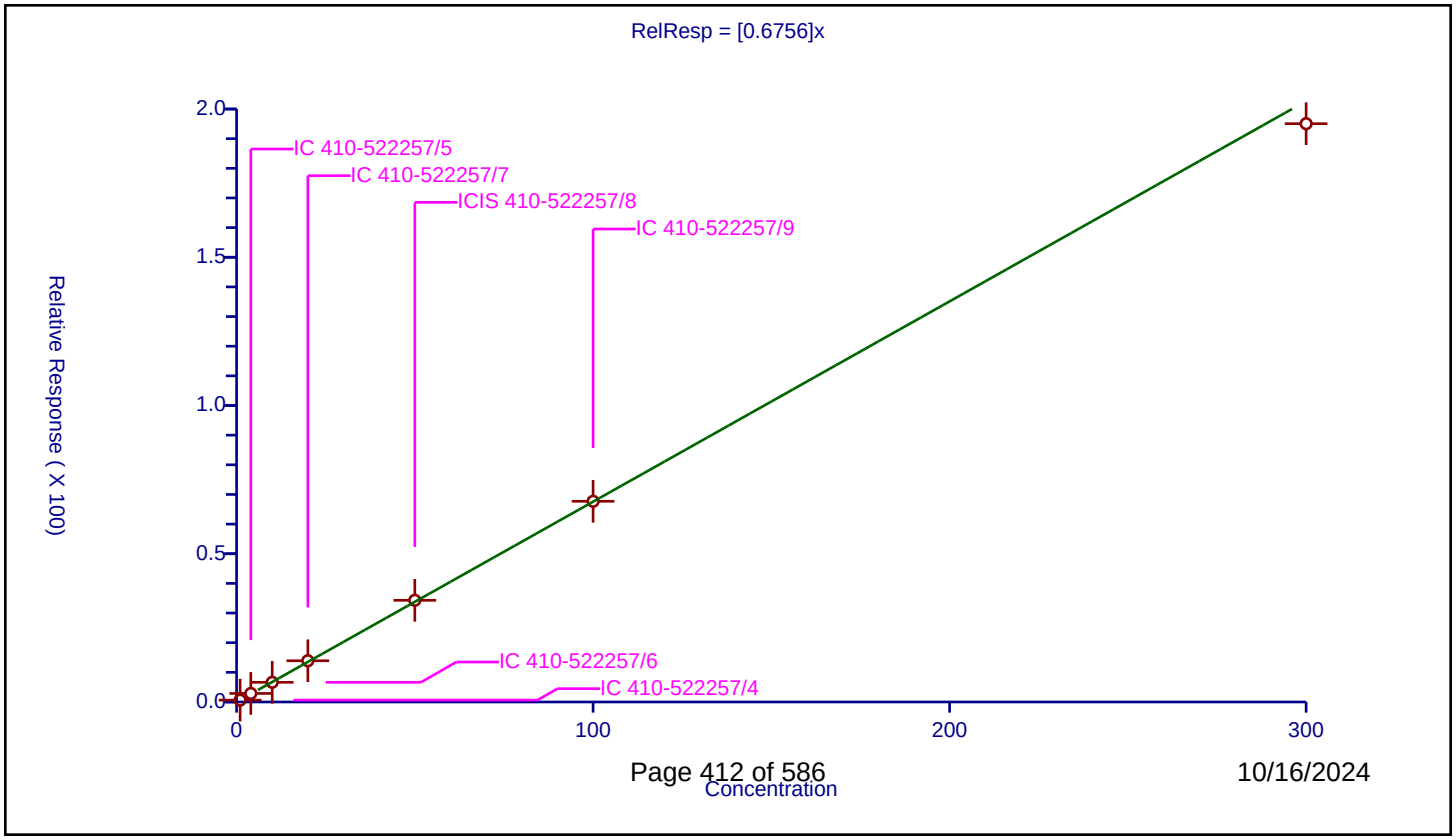
Curve Coefficients

Intercept:	0
Slope:	0.6756

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.635259	50.0	294447.0	0.635259	Y
2	IC 410-522257/5	4.0	2.886275	50.0	295450.0	0.721569	Y
3	IC 410-522257/6	10.0	6.635958	50.0	307951.0	0.663596	Y
4	IC 410-522257/7	20.0	13.912131	50.0	313852.0	0.695607	Y
5	ICIS 410-522257/8	50.0	34.298887	50.0	321111.0	0.685978	Y
6	IC 410-522257/9	100.0	67.69194	50.0	334545.0	0.676919	Y
7	IC 410-522257/10	300.0	195.050401	50.0	358029.0	0.650168	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

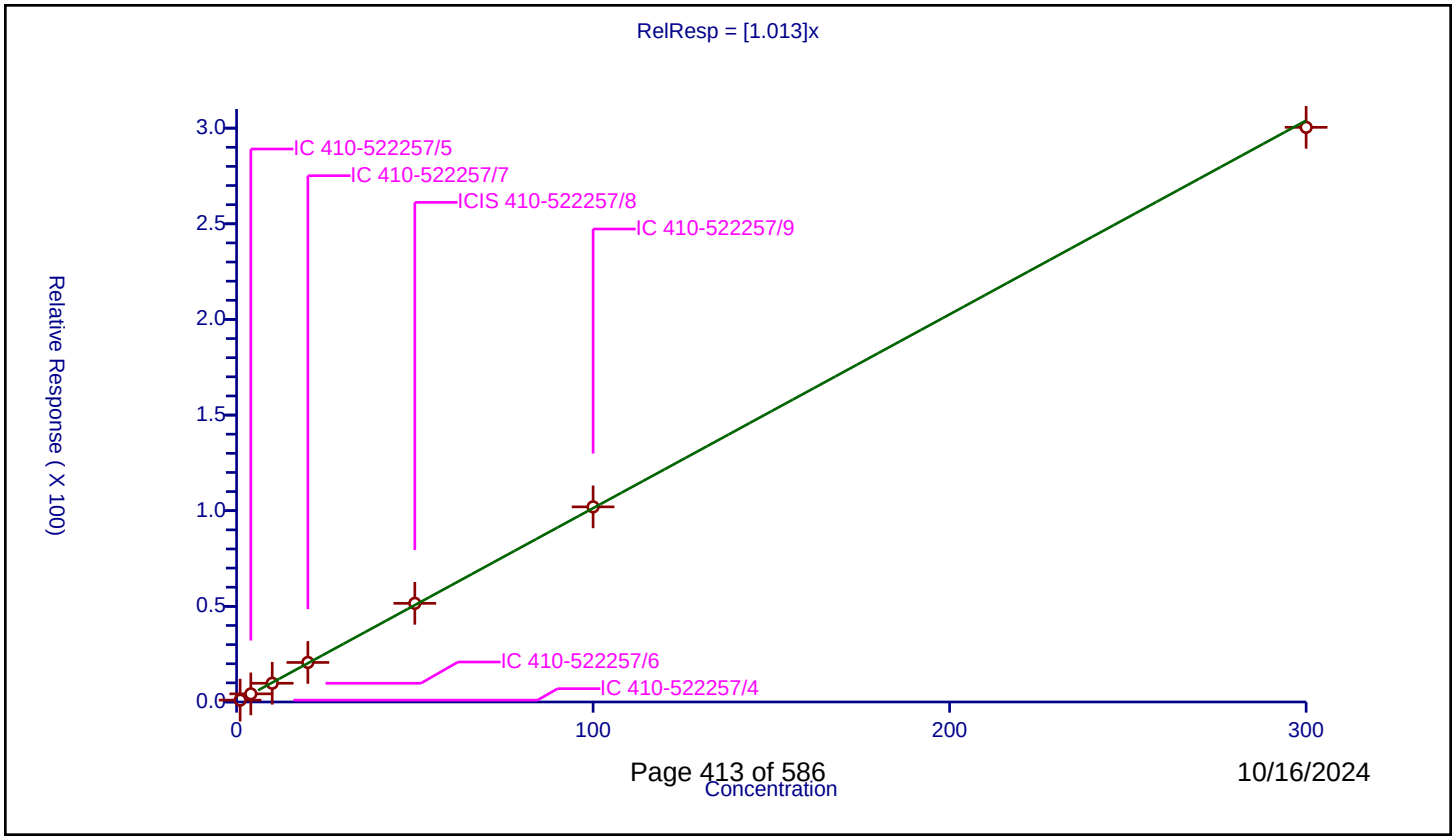
Curve Coefficients

Intercept:	0
Slope:	1.013

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.962482	50.0	294447.0	0.962482	Y
2	IC 410-522257/5	4.0	4.257065	50.0	295450.0	1.064266	Y
3	IC 410-522257/6	10.0	9.79474	50.0	307951.0	0.979474	Y
4	IC 410-522257/7	20.0	20.668818	50.0	313852.0	1.033441	Y
5	ICIS 410-522257/8	50.0	51.574378	50.0	321111.0	1.031488	Y
6	IC 410-522257/9	100.0	102.017666	50.0	334545.0	1.020177	Y
7	IC 410-522257/10	300.0	300.416028	50.0	358029.0	1.001387	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

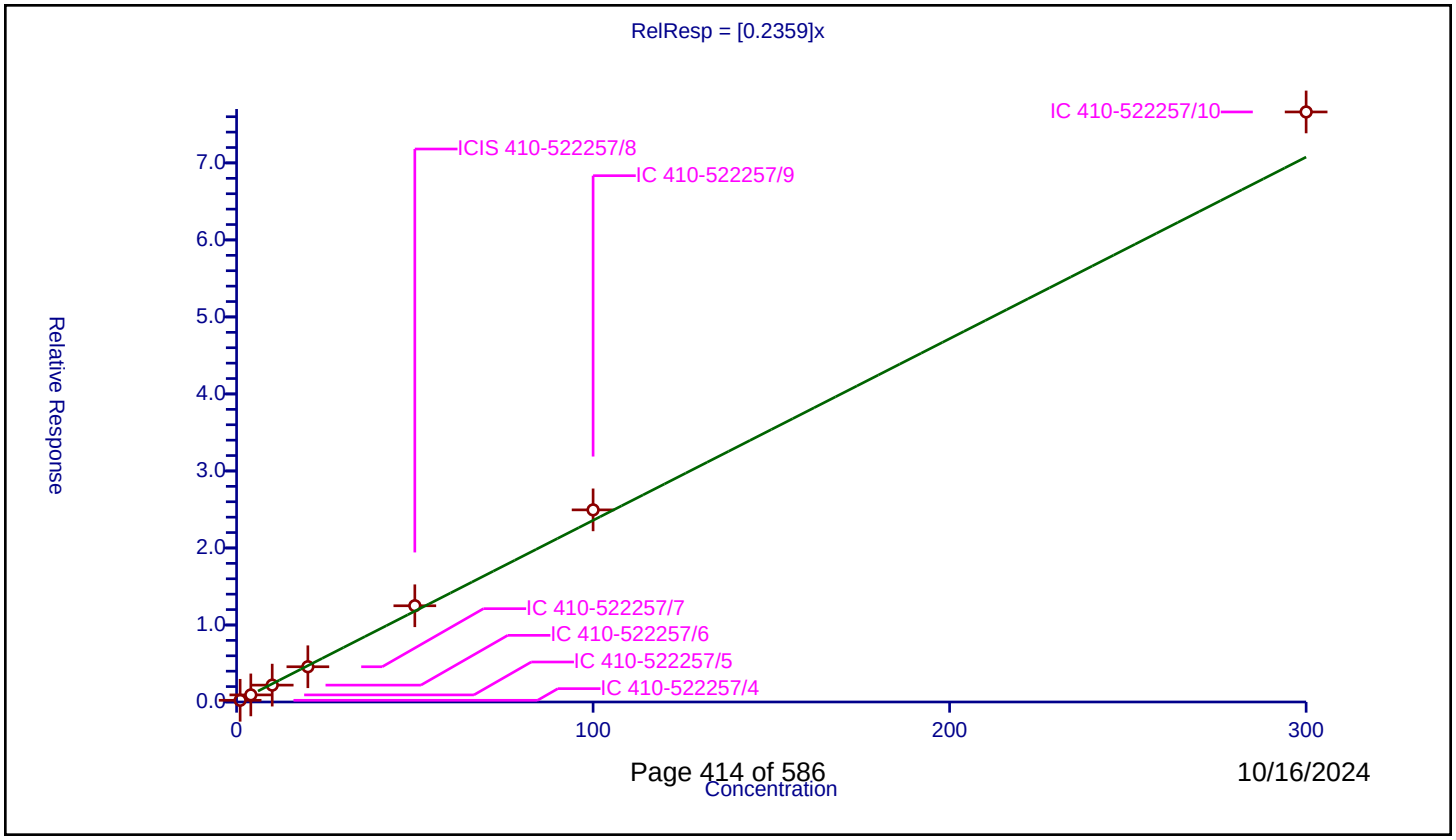
Curve Coefficients

Intercept:	0
Slope:	0.2359

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.218206	50.0	294447.0	0.218206	Y
2	IC 410-522257/5	4.0	0.92046	50.0	295450.0	0.230115	Y
3	IC 410-522257/6	10.0	2.190446	50.0	307951.0	0.219045	Y
4	IC 410-522257/7	20.0	4.577476	50.0	313852.0	0.228874	Y
5	ICIS 410-522257/8	50.0	12.49708	50.0	321111.0	0.249942	Y
6	IC 410-522257/9	100.0	24.945822	50.0	334545.0	0.249458	Y
7	IC 410-522257/10	300.0	76.619492	50.0	358029.0	0.255398	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

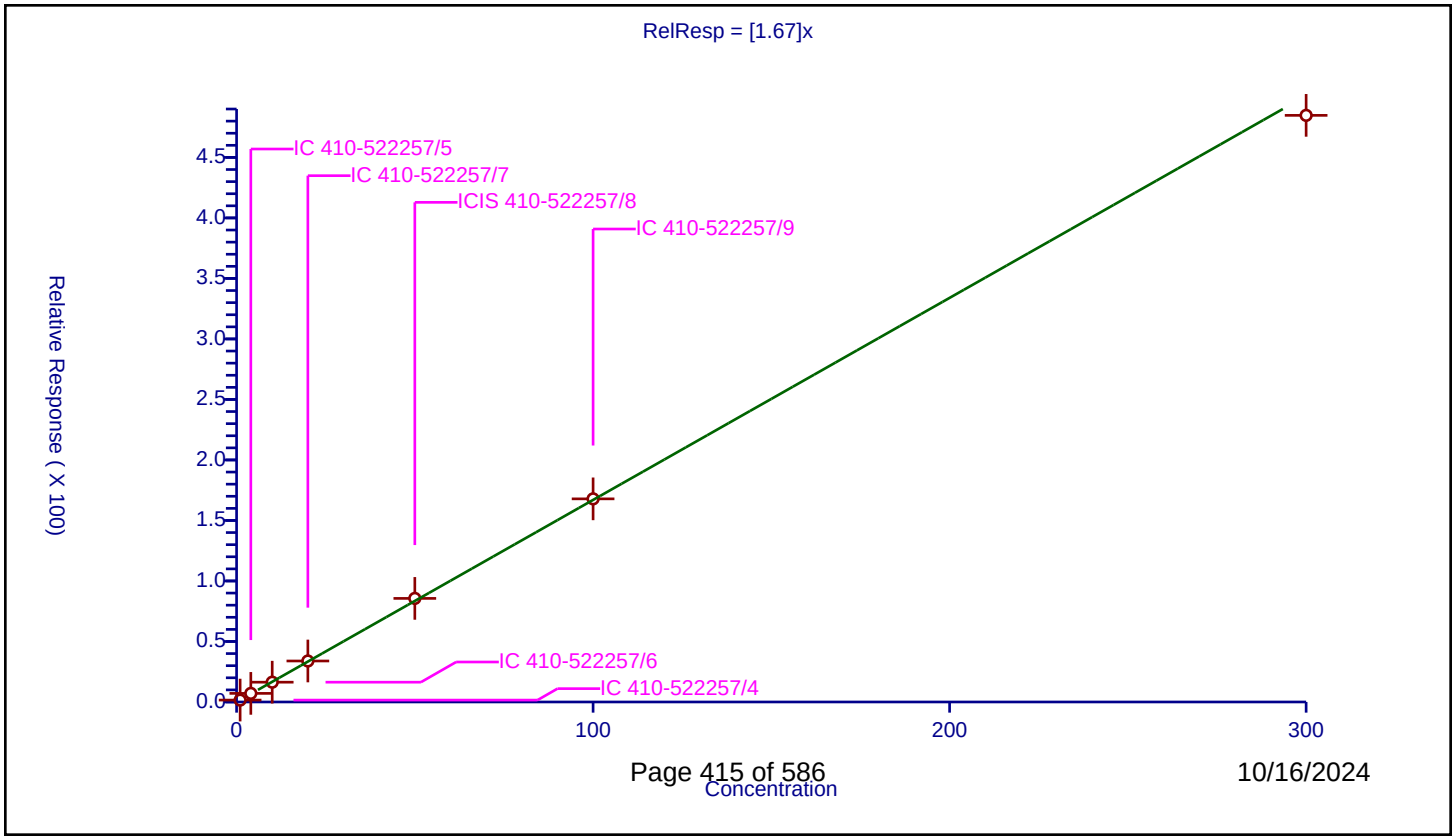
Curve Coefficients

Intercept:	0
Slope:	1.67

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	1.572779	50.0	294447.0	1.572779	Y
2	IC 410-522257/5	4.0	7.11694	50.0	295450.0	1.779235	Y
3	IC 410-522257/6	10.0	16.351952	50.0	307951.0	1.635195	Y
4	IC 410-522257/7	20.0	33.879663	50.0	313852.0	1.693983	Y
5	ICIS 410-522257/8	50.0	85.606223	50.0	321111.0	1.712124	Y
6	IC 410-522257/9	100.0	167.859032	50.0	334545.0	1.67859	Y
7	IC 410-522257/10	300.0	484.754308	50.0	358029.0	1.615848	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

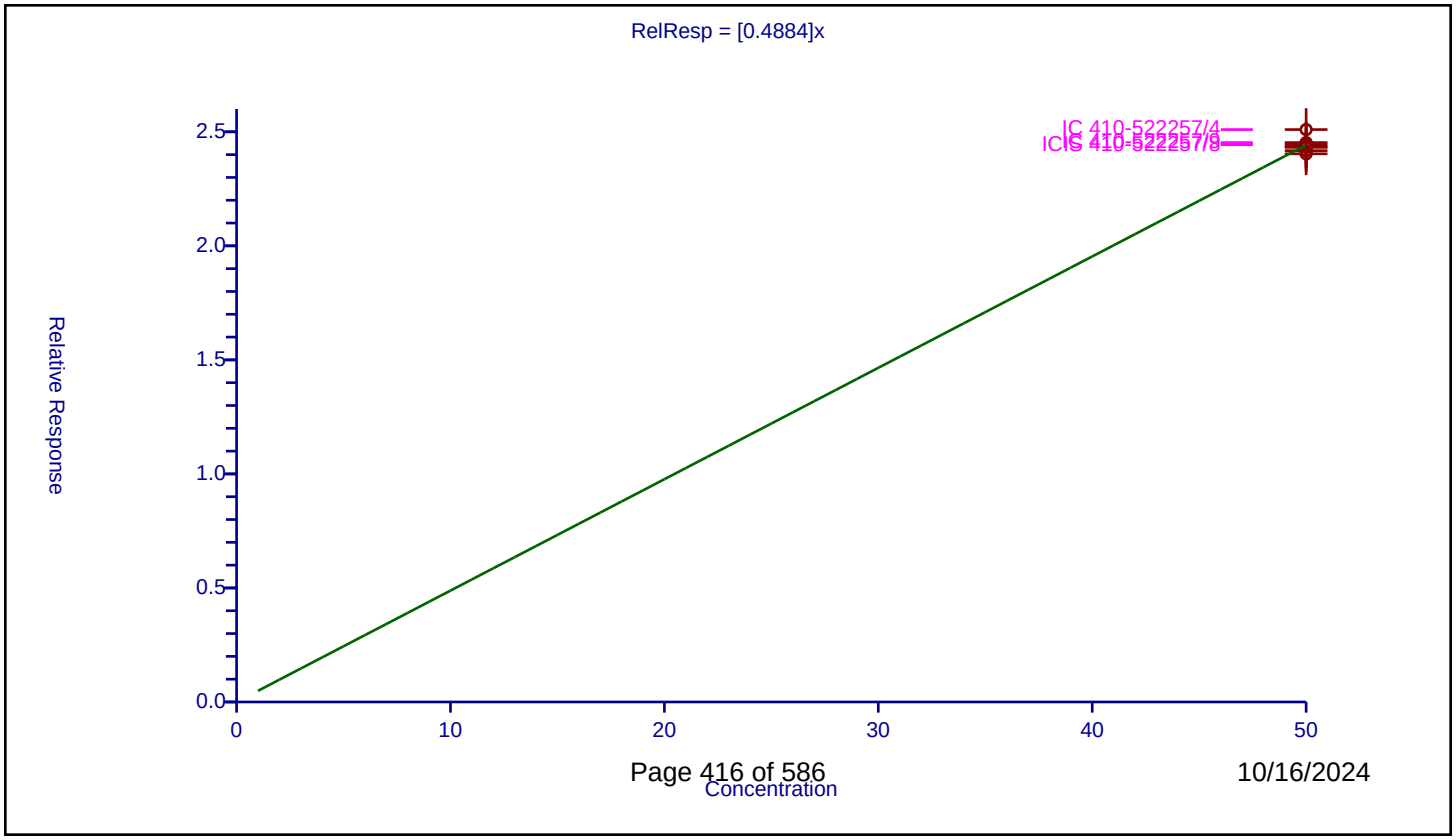
Curve Coefficients

Intercept:	0
Slope:	0.4884

Error Coefficients

Relative Standard Deviation:	1.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	50.0	25.098575	50.0	294447.0	0.501971	Y
2	IC 410-522257/5	50.0	24.173464	50.0	295450.0	0.483469	Y
3	IC 410-522257/6	50.0	24.330007	50.0	307951.0	0.4866	Y
4	IC 410-522257/7	50.0	24.32739	50.0	313852.0	0.486548	Y
5	ICIS 410-522257/8	50.0	24.435008	50.0	321111.0	0.4887	Y
6	IC 410-522257/9	50.0	24.527791	50.0	334545.0	0.490556	Y
7	IC 410-522257/10	50.0	24.037019	50.0	358029.0	0.48074	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

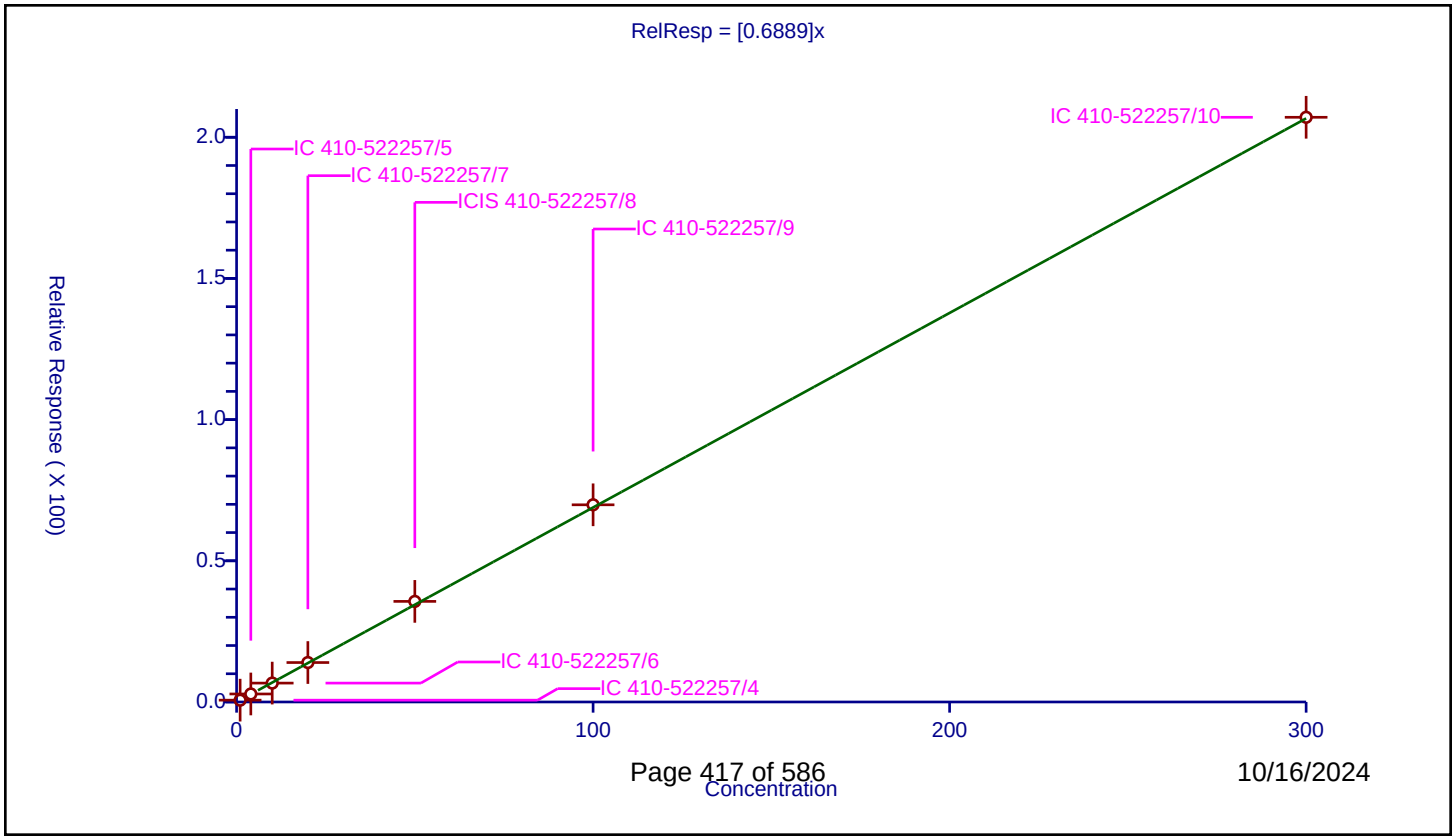
Curve Coefficients

Intercept:	0
Slope:	0.6889

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.642793	50.0	172995.0	0.642793	Y
2	IC 410-522257/5	4.0	2.840501	50.0	169794.0	0.710125	Y
3	IC 410-522257/6	10.0	6.694759	50.0	173830.0	0.669476	Y
4	IC 410-522257/7	20.0	13.975989	50.0	175916.0	0.698799	Y
5	ICIS 410-522257/8	50.0	35.627241	50.0	179301.0	0.712545	Y
6	IC 410-522257/9	100.0	69.837462	50.0	184449.0	0.698375	Y
7	IC 410-522257/10	300.0	207.075206	50.0	199026.0	0.690251	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

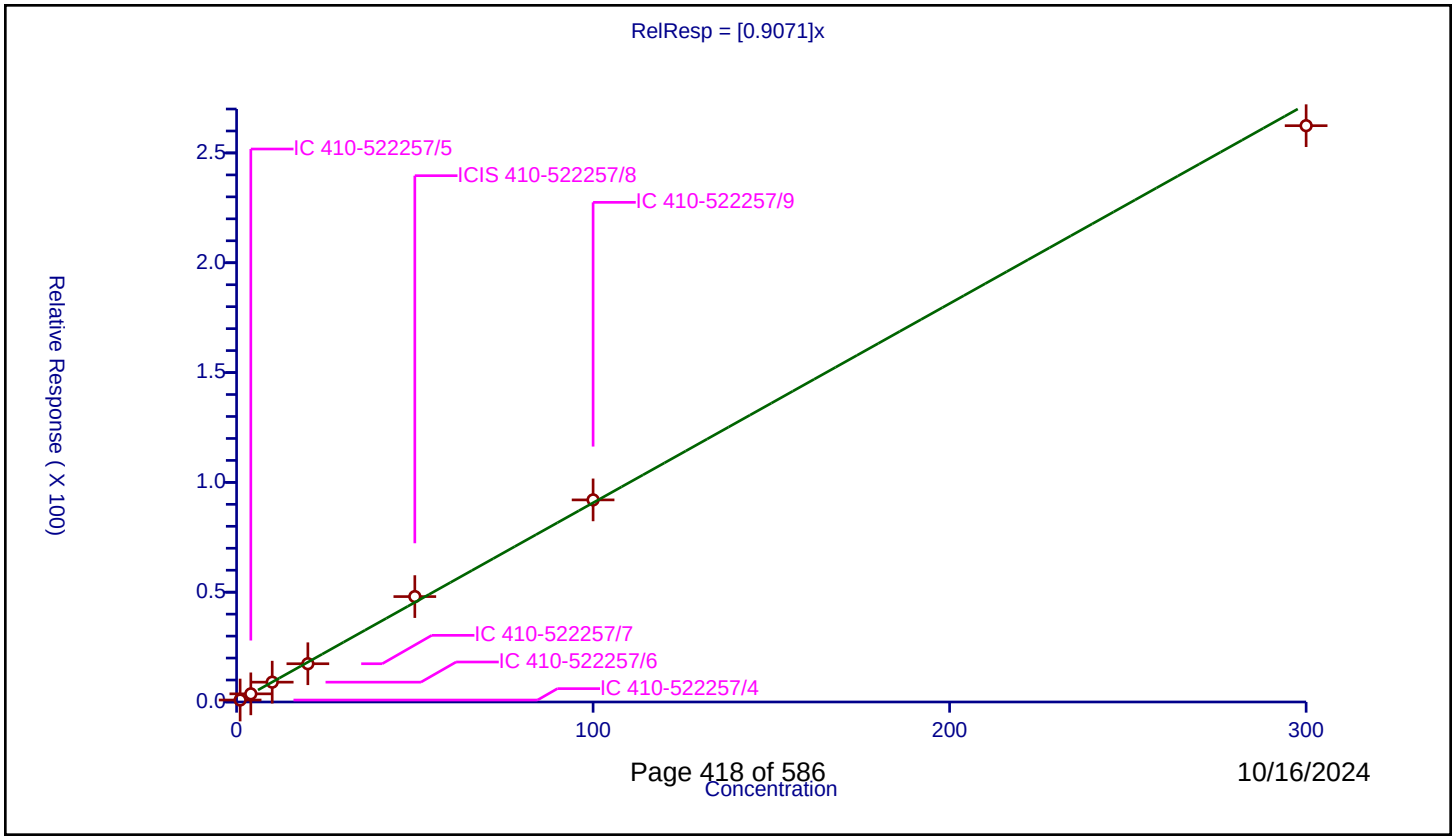
Curve Coefficients

Intercept:	0
Slope:	0.9071

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.893956	50.0	172995.0	0.893956	Y
2	IC 410-522257/5	4.0	3.709201	50.0	169794.0	0.9273	Y
3	IC 410-522257/6	10.0	9.028361	50.0	173830.0	0.902836	Y
4	IC 410-522257/7	20.0	17.412856	50.0	175916.0	0.870643	Y
5	ICIS 410-522257/8	50.0	47.996944	50.0	179301.0	0.959939	Y
6	IC 410-522257/9	100.0	92.024083	50.0	184449.0	0.920241	Y
7	IC 410-522257/10	300.0	262.410439	50.0	199026.0	0.874701	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

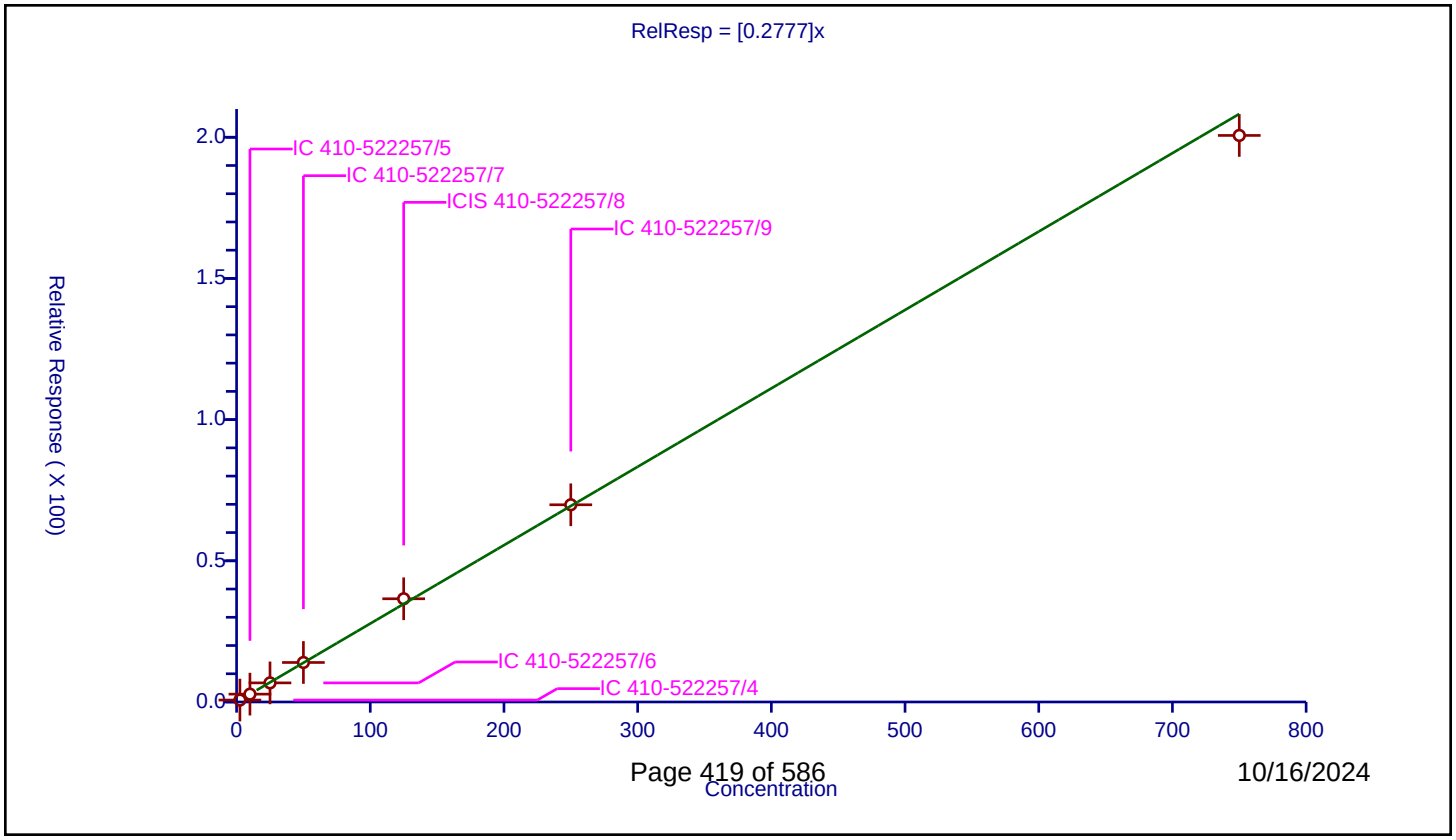
Curve Coefficients

Intercept:	0
Slope:	0.2777

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	2.5	0.688459	50.0	172995.0	0.275384	Y
2	IC 410-522257/5	10.0	2.784845	50.0	169794.0	0.278485	Y
3	IC 410-522257/6	25.0	6.764943	50.0	173830.0	0.270598	Y
4	IC 410-522257/7	50.0	13.993611	50.0	175916.0	0.279872	Y
5	ICIS 410-522257/8	125.0	36.556126	50.0	179301.0	0.292449	Y
6	IC 410-522257/9	250.0	69.840986	50.0	184449.0	0.279364	Y
7	IC 410-522257/10	750.0	200.644388	50.0	199026.0	0.267526	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

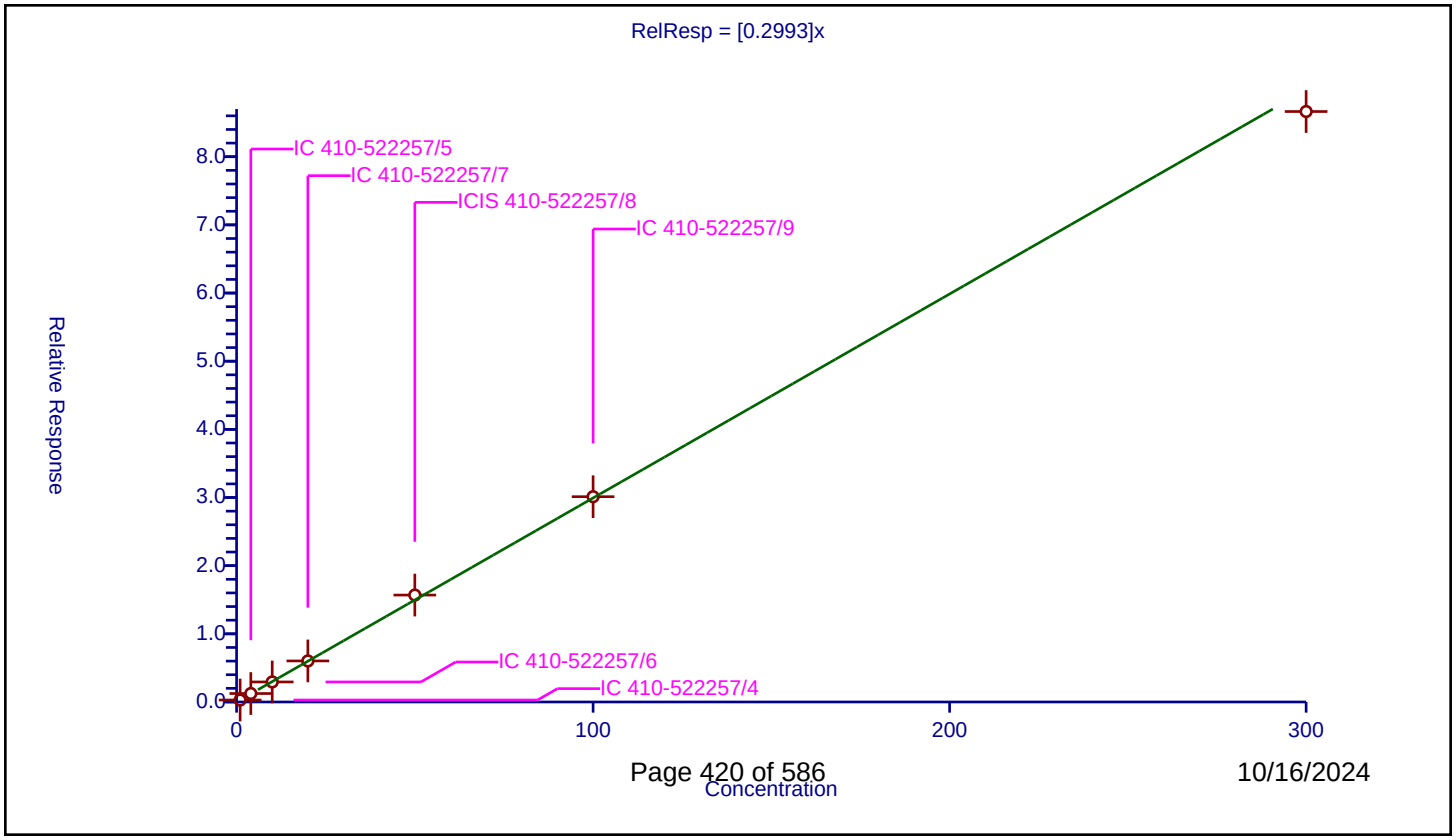
Curve Coefficients

Intercept:	0
Slope:	0.2993

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.285846	50.0	172995.0	0.285846	Y
2	IC 410-522257/5	4.0	1.241504	50.0	169794.0	0.310376	Y
3	IC 410-522257/6	10.0	2.941092	50.0	173830.0	0.294109	Y
4	IC 410-522257/7	20.0	6.022761	50.0	175916.0	0.301138	Y
5	ICIS 410-522257/8	50.0	15.688981	50.0	179301.0	0.31378	Y
6	IC 410-522257/9	100.0	30.12025	50.0	184449.0	0.301203	Y
7	IC 410-522257/10	300.0	86.631897	50.0	199026.0	0.288773	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

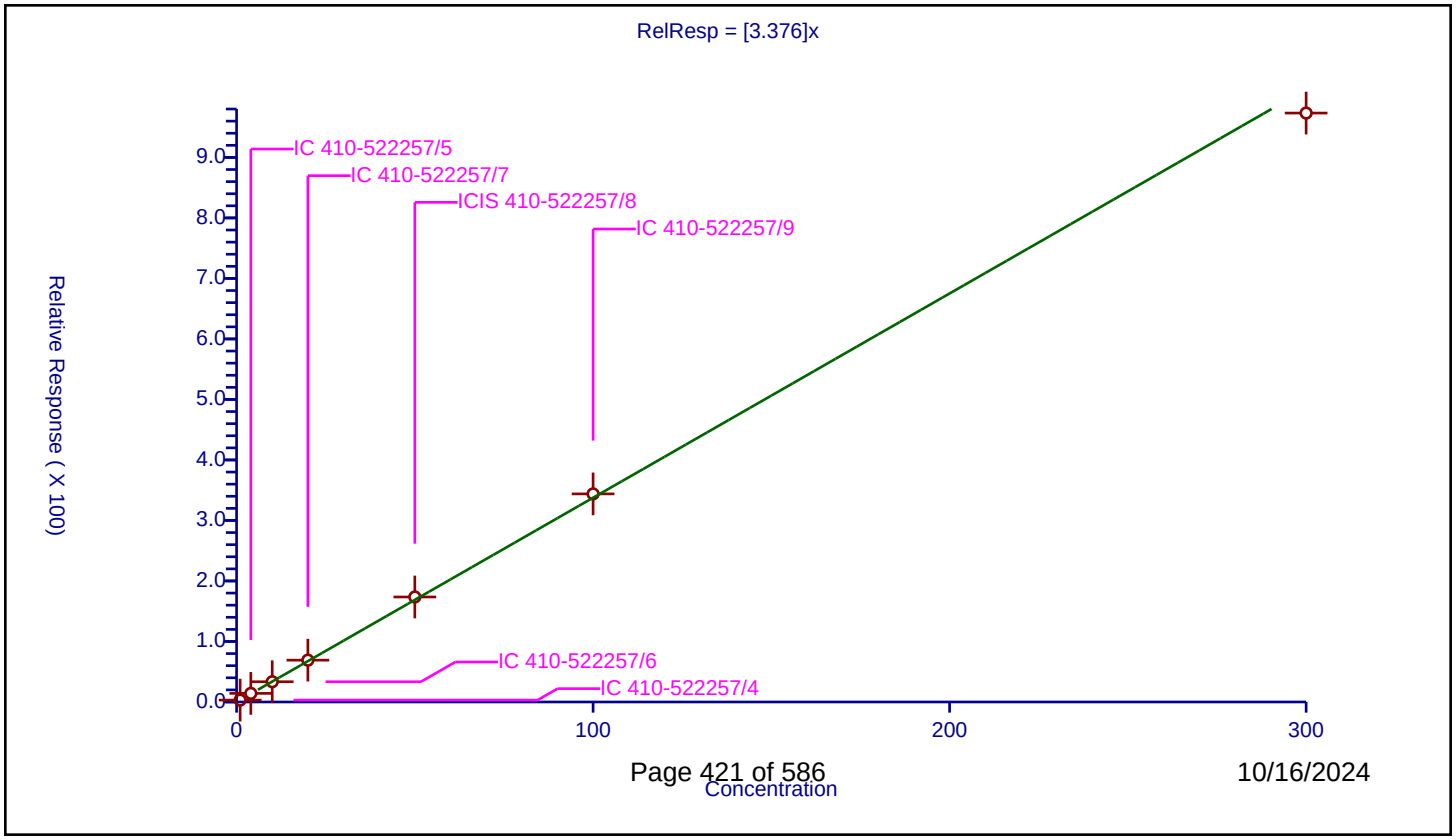
Curve Coefficients

Intercept:	0
Slope:	3.376

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	3.11483	50.0	172995.0	3.11483	Y
2	IC 410-522257/5	4.0	14.224295	50.0	169794.0	3.556074	Y
3	IC 410-522257/6	10.0	33.482425	50.0	173830.0	3.348243	Y
4	IC 410-522257/7	20.0	69.140385	50.0	175916.0	3.457019	Y
5	ICIS 410-522257/8	50.0	173.52413	50.0	179301.0	3.470483	Y
6	IC 410-522257/9	100.0	343.893434	50.0	184449.0	3.438934	Y
7	IC 410-522257/10	300.0	973.321325	50.0	199026.0	3.244404	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

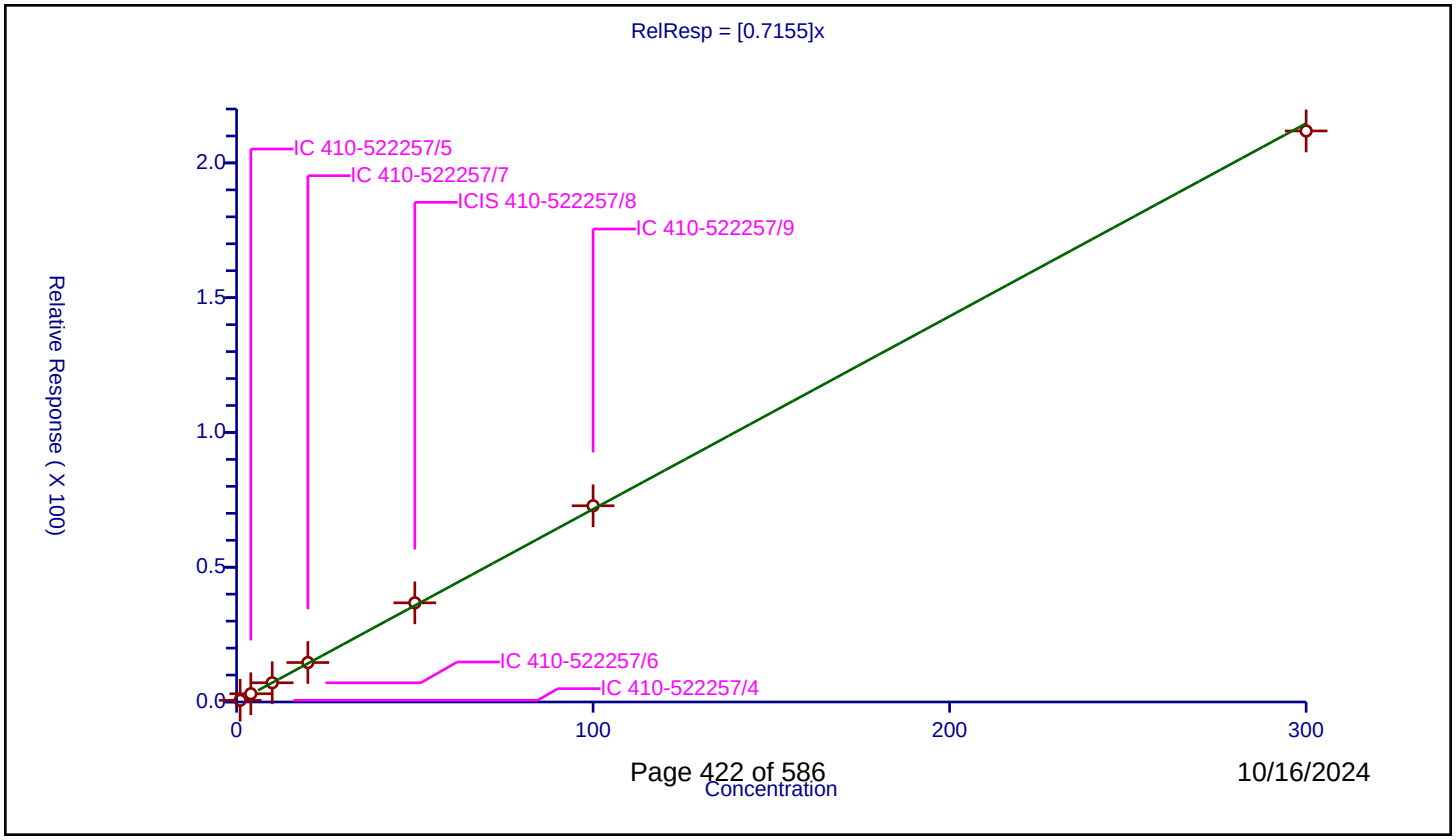
Curve Coefficients

Intercept:	0
Slope:	0.7155

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.626897	50.0	172995.0	0.626897	Y
2	IC 410-522257/5	4.0	3.06489	50.0	169794.0	0.766223	Y
3	IC 410-522257/6	10.0	7.133119	50.0	173830.0	0.713312	Y
4	IC 410-522257/7	20.0	14.638521	50.0	175916.0	0.731926	Y
5	ICIS 410-522257/8	50.0	36.788696	50.0	179301.0	0.735774	Y
6	IC 410-522257/9	100.0	72.799256	50.0	184449.0	0.727993	Y
7	IC 410-522257/10	300.0	211.867545	50.0	199026.0	0.706225	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

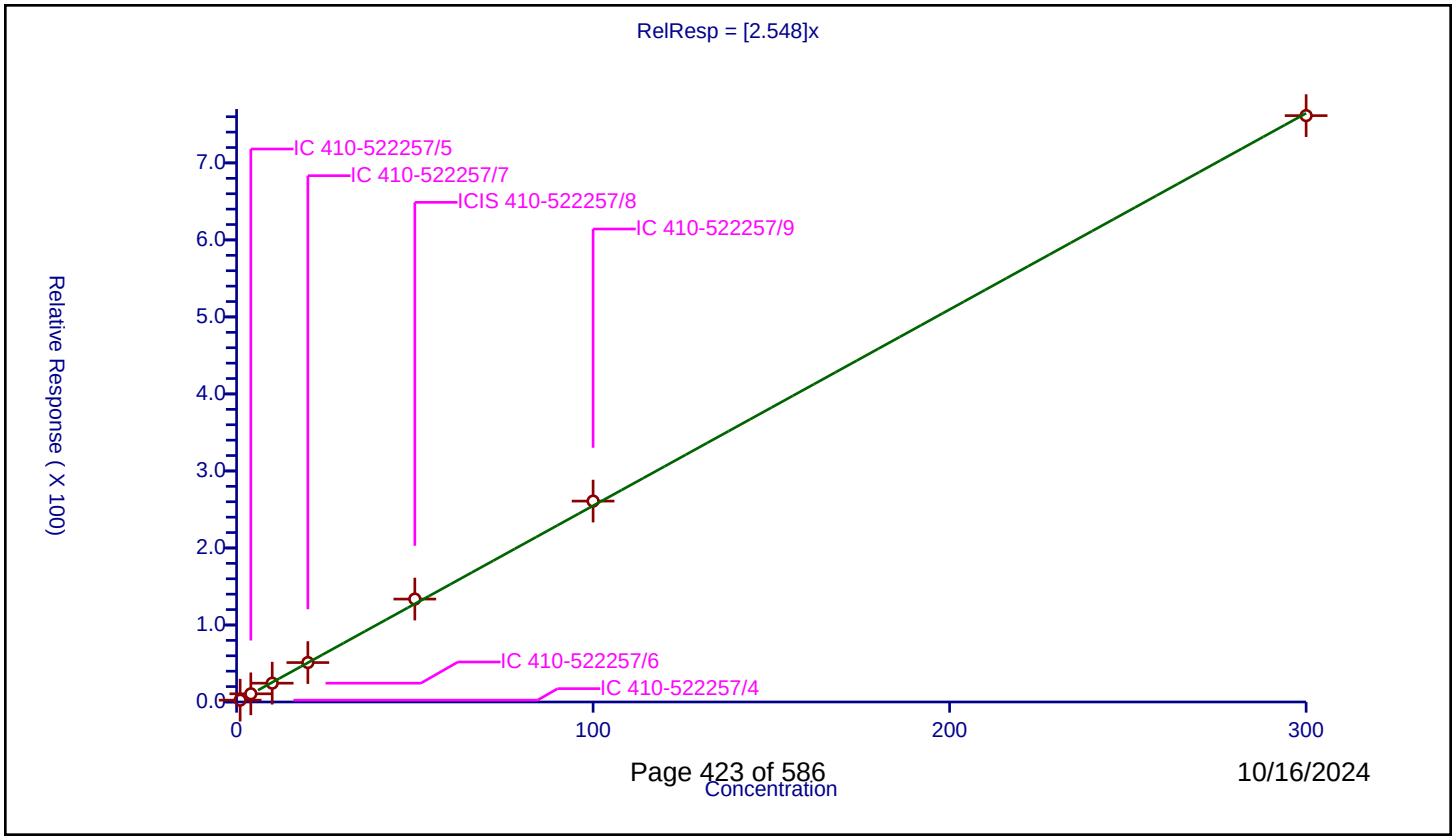
Curve Coefficients

Intercept:	0
Slope:	2.548

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	2.361051	50.0	172995.0	2.361051	Y
2	IC 410-522257/5	4.0	10.615216	50.0	169794.0	2.653804	Y
3	IC 410-522257/6	10.0	24.431053	50.0	173830.0	2.443105	Y
4	IC 410-522257/7	20.0	51.207394	50.0	175916.0	2.56037	Y
5	ICIS 410-522257/8	50.0	133.648725	50.0	179301.0	2.672974	Y
6	IC 410-522257/9	100.0	260.876177	50.0	184449.0	2.608762	Y
7	IC 410-522257/10	300.0	761.404791	50.0	199026.0	2.538016	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

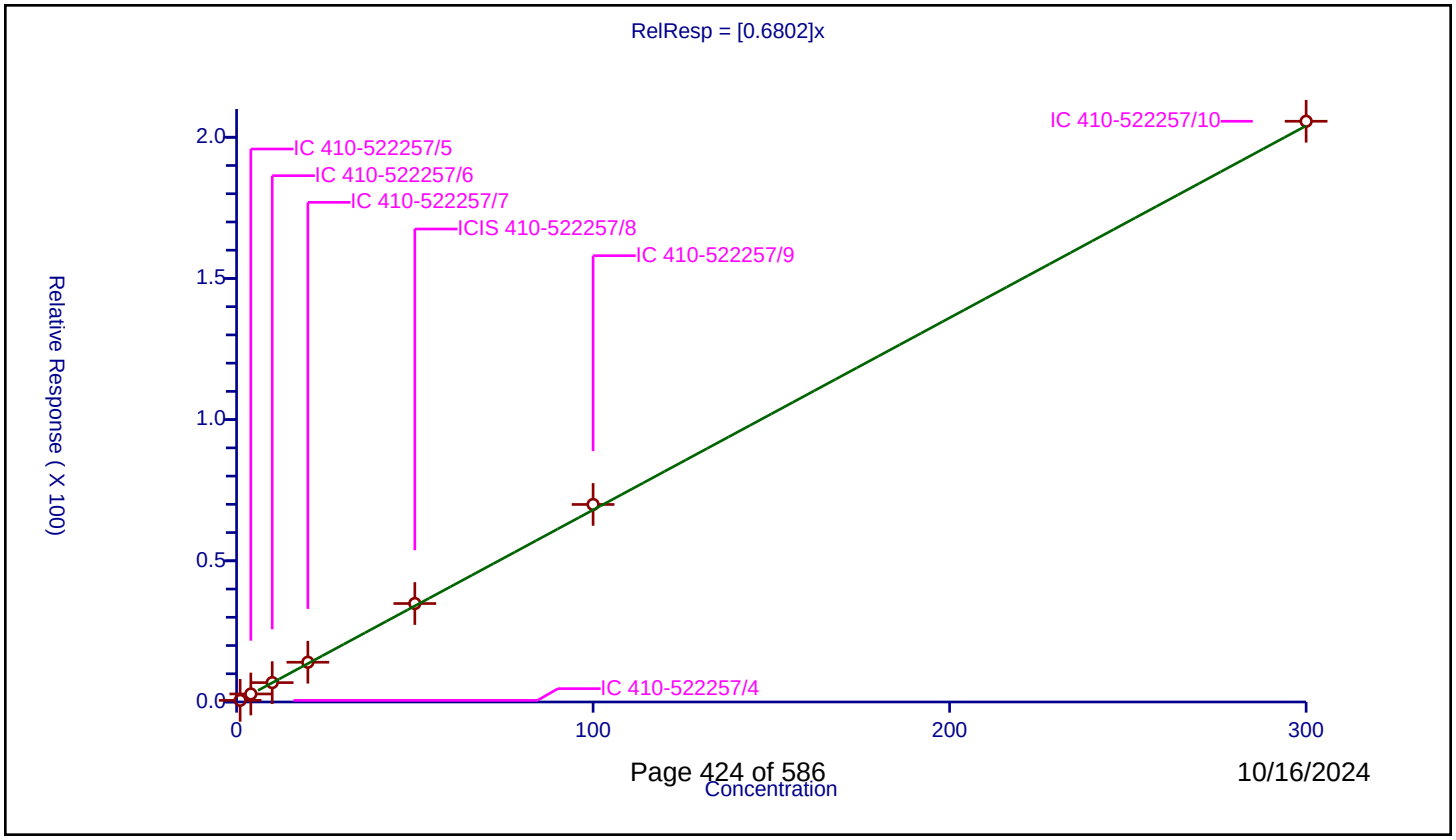
Curve Coefficients

Intercept:	0
Slope:	0.6802

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.578918	50.0	172995.0	0.578918	Y
2	IC 410-522257/5	4.0	2.839617	50.0	169794.0	0.709904	Y
3	IC 410-522257/6	10.0	6.862739	50.0	173830.0	0.686274	Y
4	IC 410-522257/7	20.0	14.075468	50.0	175916.0	0.703773	Y
5	ICIS 410-522257/8	50.0	34.875154	50.0	179301.0	0.697503	Y
6	IC 410-522257/9	100.0	69.951314	50.0	184449.0	0.699513	Y
7	IC 410-522257/10	300.0	205.662326	50.0	199026.0	0.685541	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

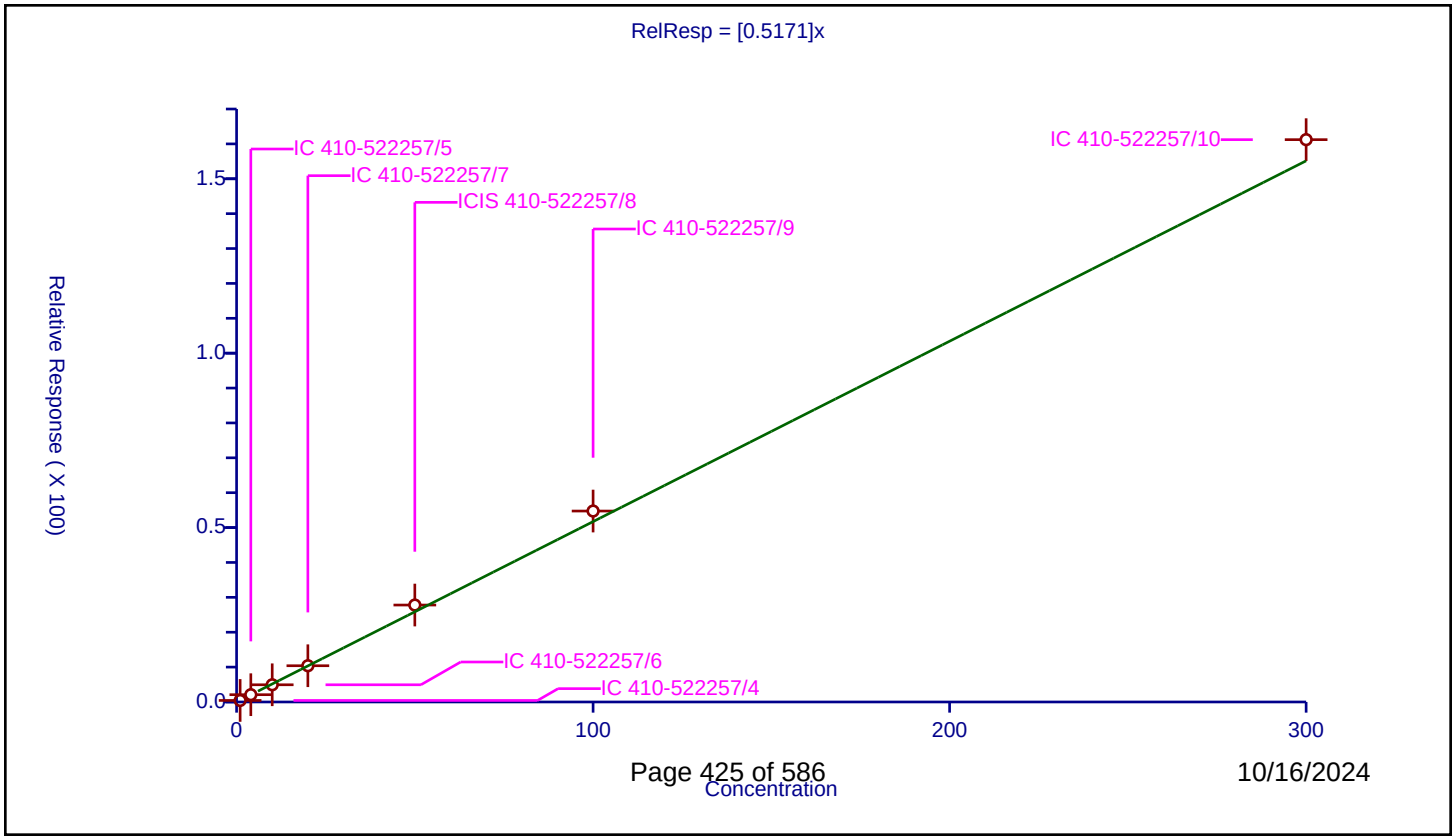
Curve Coefficients

Intercept:	0
Slope:	0.5171

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.442787	50.0	172995.0	0.442787	Y
2	IC 410-522257/5	4.0	2.094597	50.0	169794.0	0.523649	Y
3	IC 410-522257/6	10.0	4.93298	50.0	173830.0	0.493298	Y
4	IC 410-522257/7	20.0	10.391892	50.0	175916.0	0.519595	Y
5	ICIS 410-522257/8	50.0	27.791256	50.0	179301.0	0.555825	Y
6	IC 410-522257/9	100.0	54.74413	50.0	184449.0	0.547441	Y
7	IC 410-522257/10	300.0	161.217881	50.0	199026.0	0.537393	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

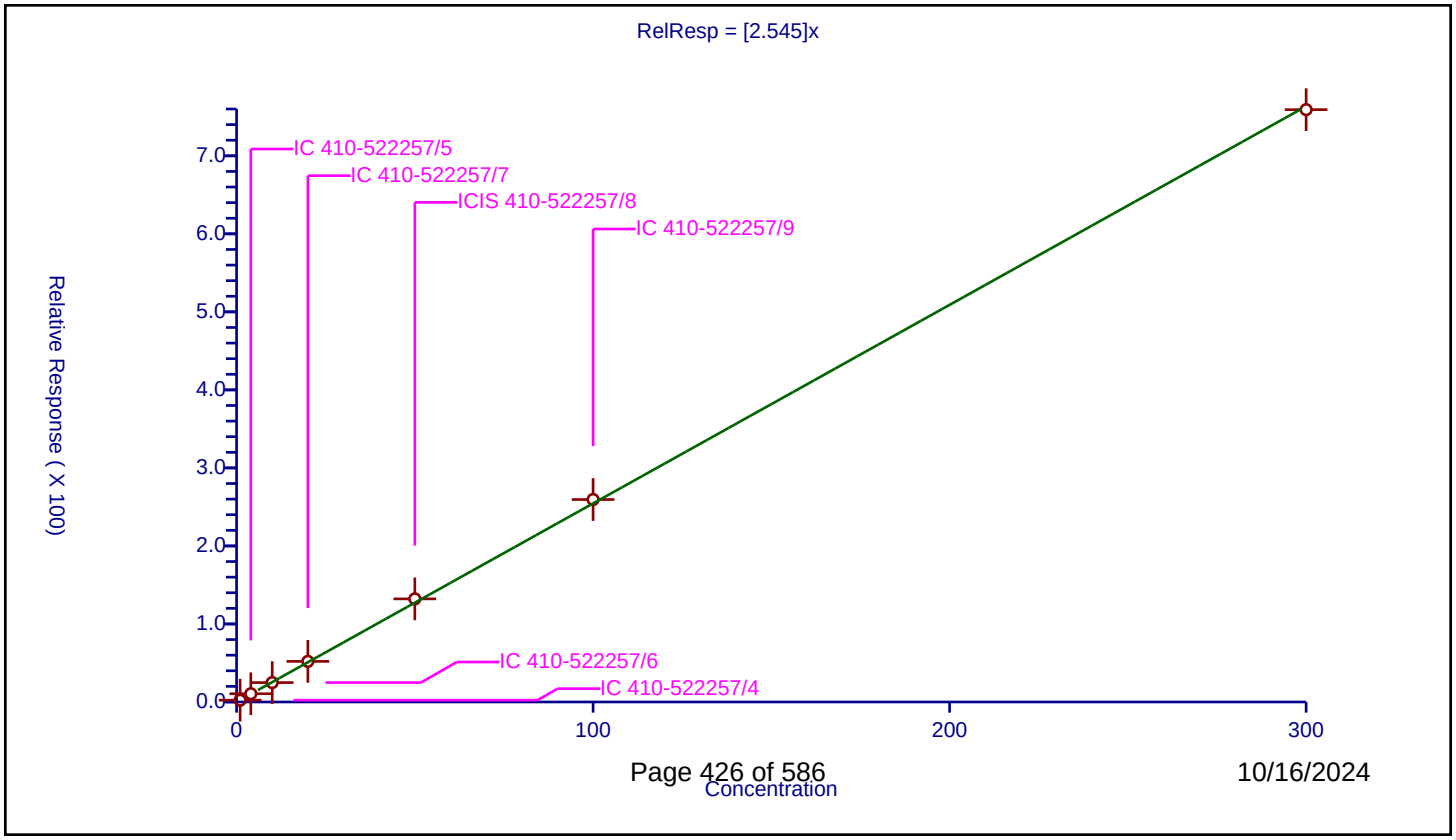
Curve Coefficients

Intercept:	0
Slope:	2.545

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	2.311049	50.0	172995.0	2.311049	Y
2	IC 410-522257/5	4.0	10.589008	50.0	169794.0	2.647252	Y
3	IC 410-522257/6	10.0	24.85273	50.0	173830.0	2.485273	Y
4	IC 410-522257/7	20.0	52.035915	50.0	175916.0	2.601796	Y
5	ICIS 410-522257/8	50.0	132.163234	50.0	179301.0	2.643265	Y
6	IC 410-522257/9	100.0	259.503169	50.0	184449.0	2.595032	Y
7	IC 410-522257/10	300.0	759.165888	50.0	199026.0	2.530553	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

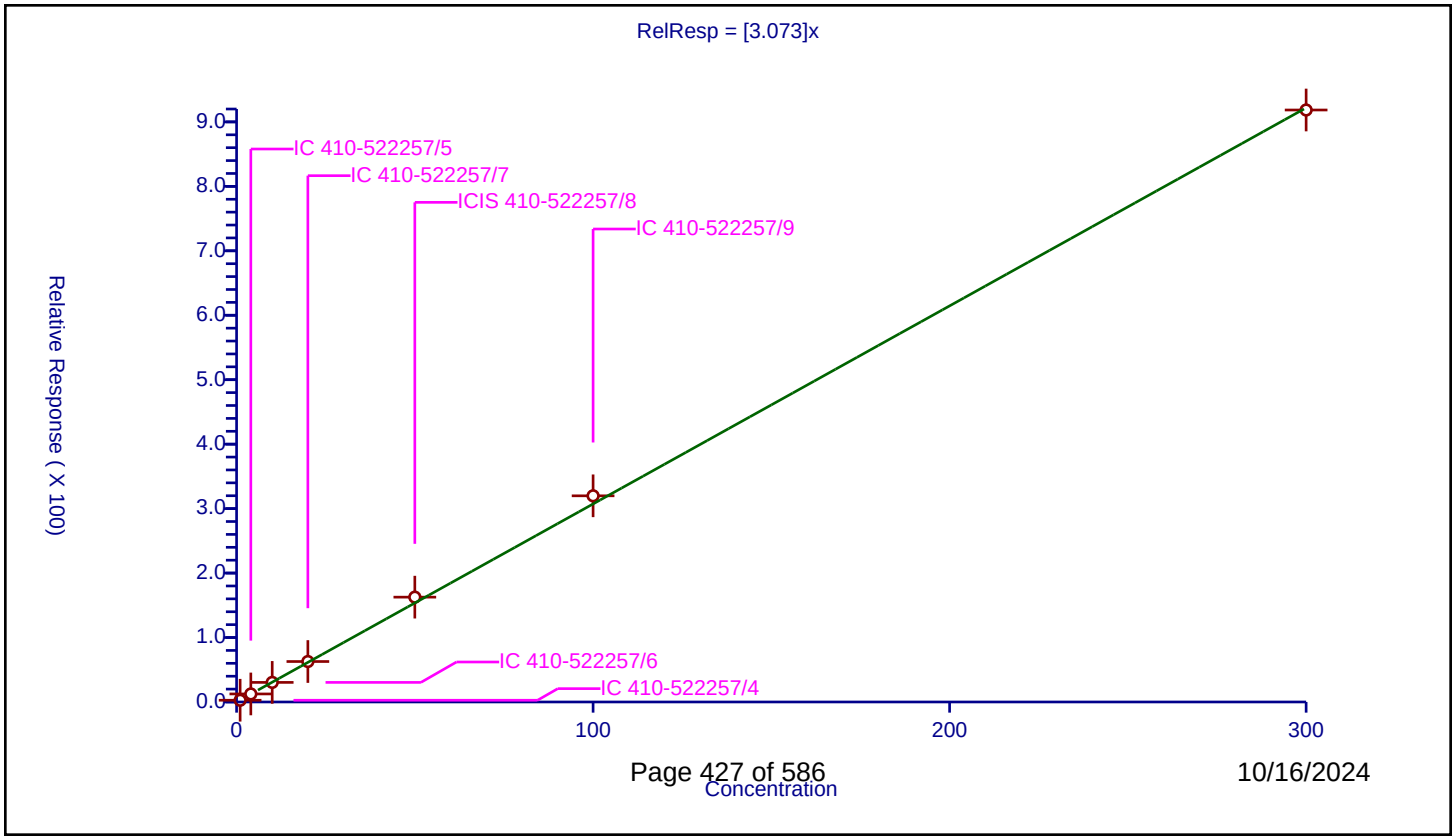
Curve Coefficients

Intercept:	0
Slope:	3.073

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	2.698922	50.0	172995.0	2.698922	Y
2	IC 410-522257/5	4.0	12.473939	50.0	169794.0	3.118485	Y
3	IC 410-522257/6	10.0	30.395501	50.0	173830.0	3.03955	Y
4	IC 410-522257/7	20.0	62.777974	50.0	175916.0	3.138899	Y
5	ICIS 410-522257/8	50.0	162.65414	50.0	179301.0	3.253083	Y
6	IC 410-522257/9	100.0	319.874871	50.0	184449.0	3.198749	Y
7	IC 410-522257/10	300.0	918.483766	50.0	199026.0	3.061613	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

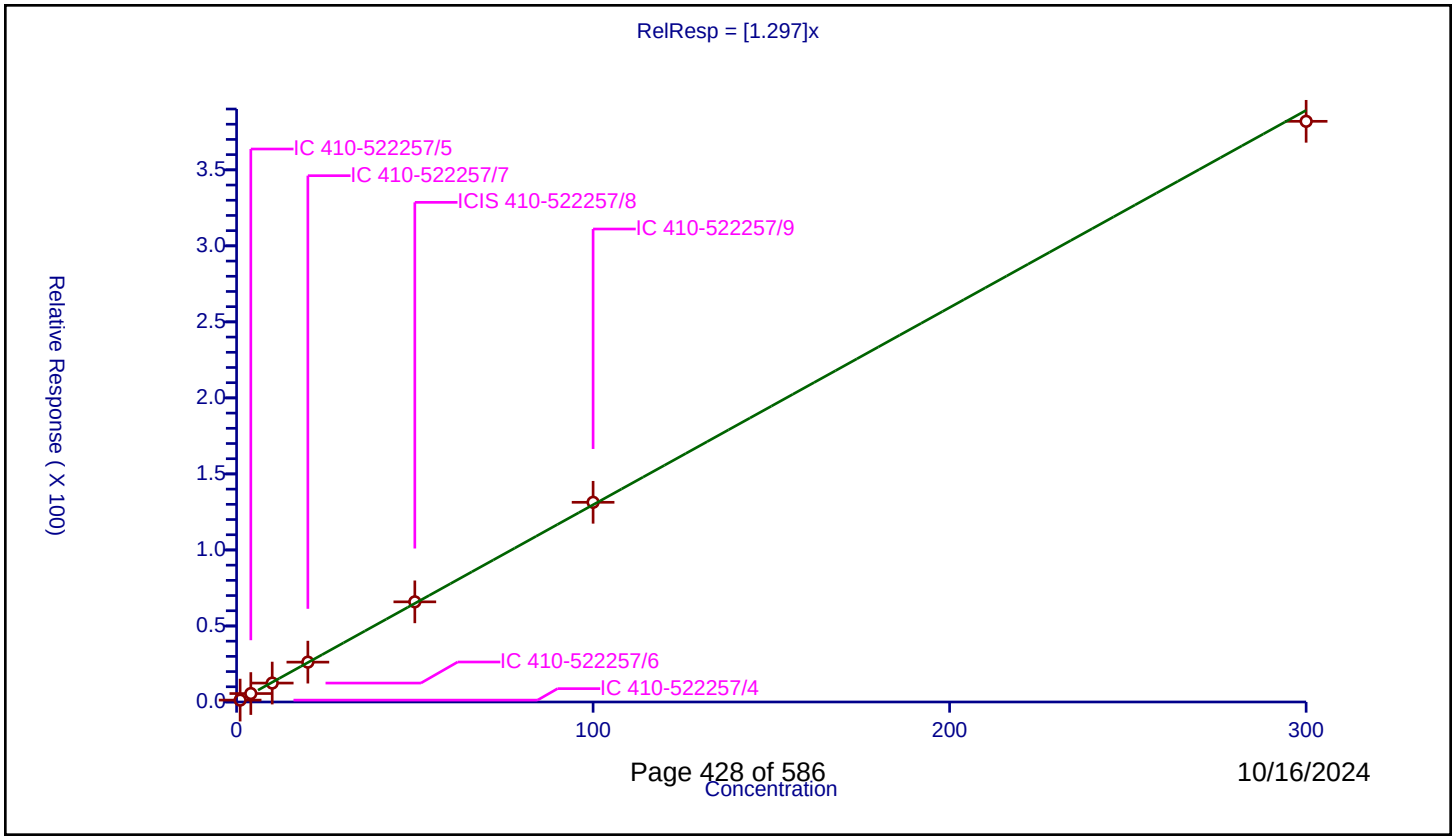
Curve Coefficients

Intercept:	0
Slope:	1.297

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	1.231538	50.0	172995.0	1.231538	Y
2	IC 410-522257/5	4.0	5.556733	50.0	169794.0	1.389183	Y
3	IC 410-522257/6	10.0	12.448657	50.0	173830.0	1.244866	Y
4	IC 410-522257/7	20.0	26.207963	50.0	175916.0	1.310398	Y
5	ICIS 410-522257/8	50.0	65.872193	50.0	179301.0	1.317444	Y
6	IC 410-522257/9	100.0	131.335762	50.0	184449.0	1.313358	Y
7	IC 410-522257/10	300.0	381.922462	50.0	199026.0	1.273075	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

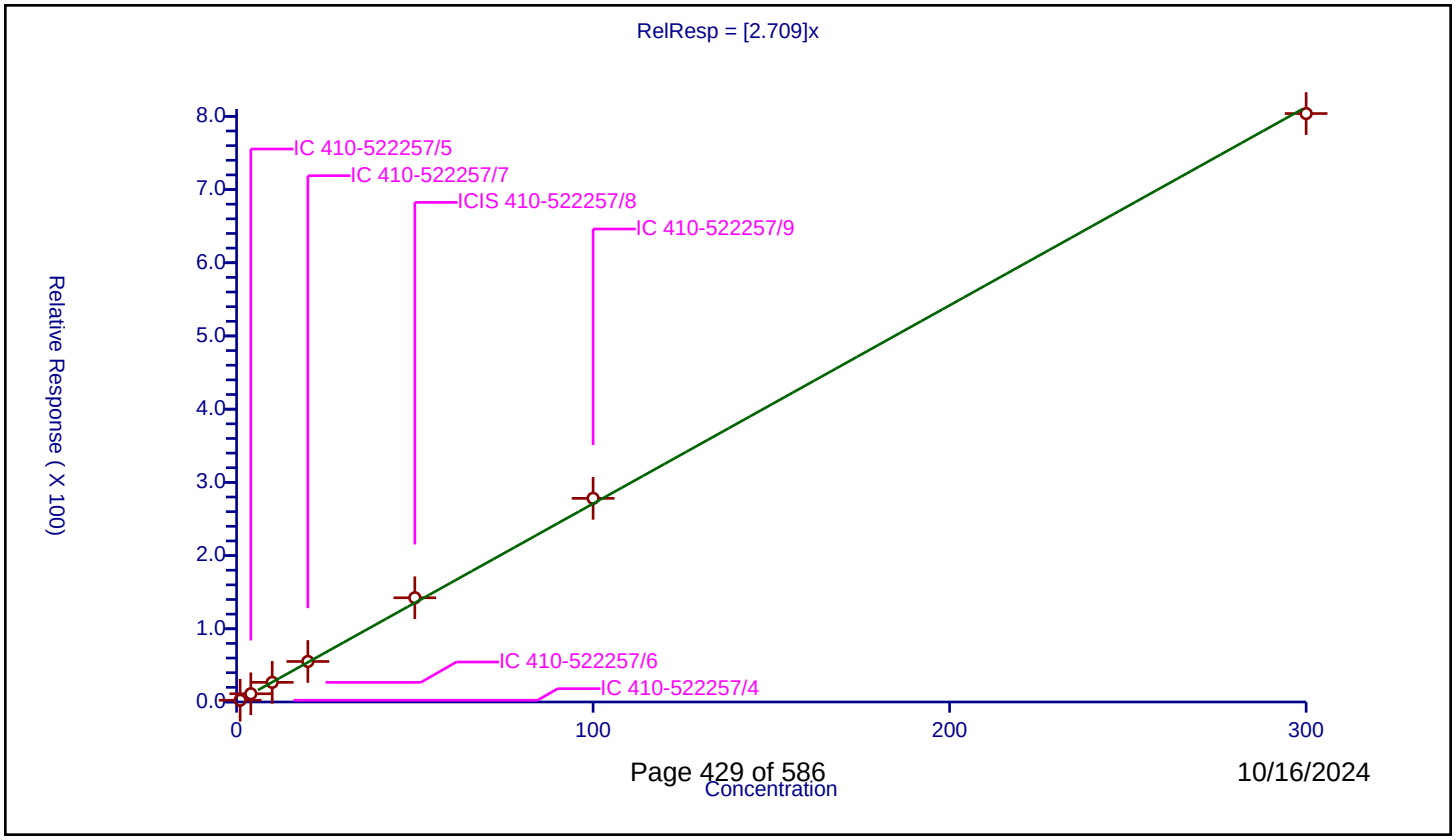
Curve Coefficients

Intercept:	0
Slope:	2.709

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	2.390242	50.0	172995.0	2.390242	Y
2	IC 410-522257/5	4.0	11.248925	50.0	169794.0	2.812231	Y
3	IC 410-522257/6	10.0	26.838578	50.0	173830.0	2.683858	Y
4	IC 410-522257/7	20.0	55.35966	50.0	175916.0	2.767983	Y
5	ICIS 410-522257/8	50.0	142.369535	50.0	179301.0	2.847391	Y
6	IC 410-522257/9	100.0	278.159817	50.0	184449.0	2.781598	Y
7	IC 410-522257/10	300.0	803.793223	50.0	199026.0	2.679311	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

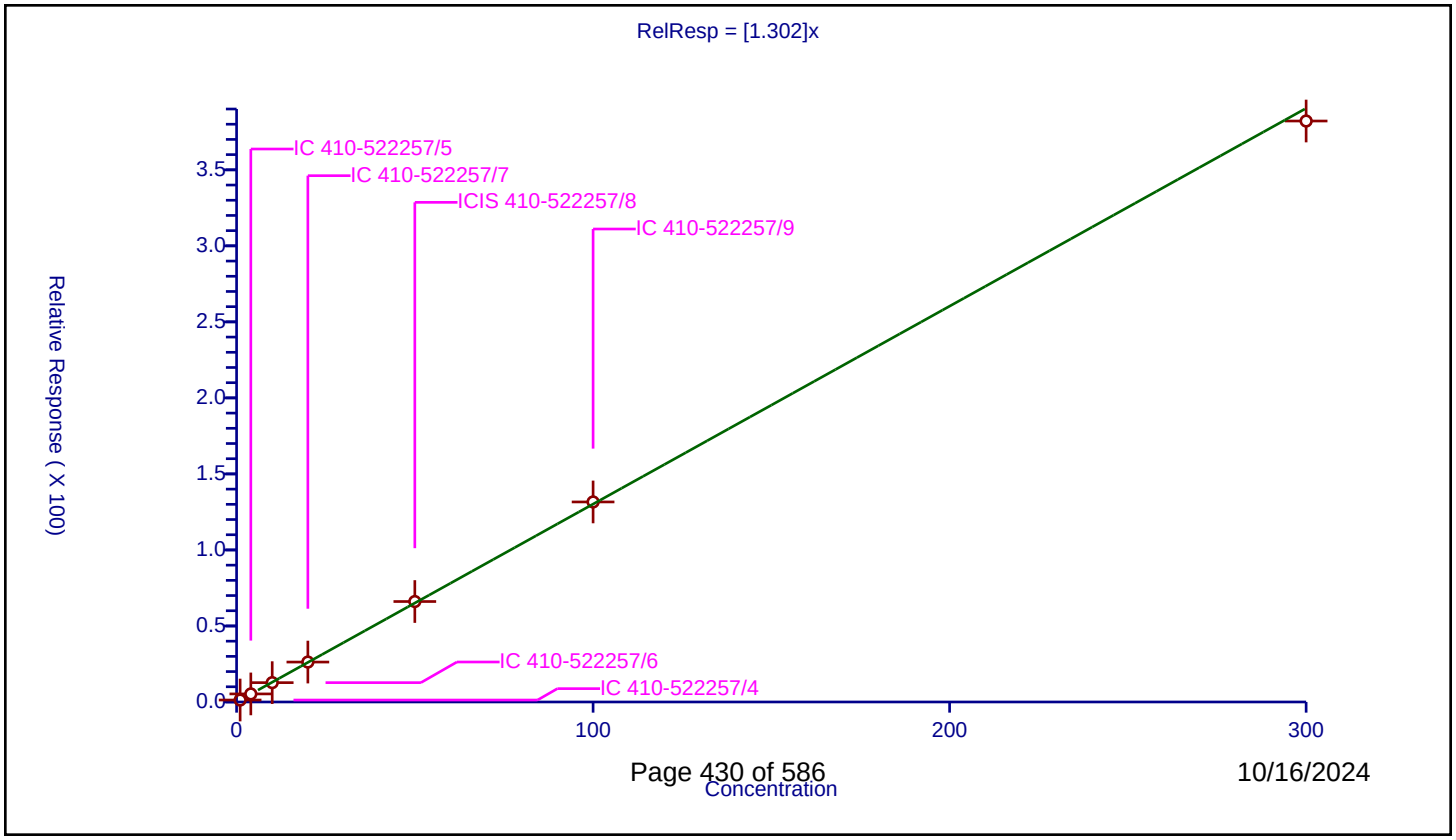
Curve Coefficients

Intercept:	0
Slope:	1.302

Error Coefficients

Relative Standard Deviation:	1.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	1.289055	50.0	172995.0	1.289055	Y
2	IC 410-522257/5	4.0	5.302602	50.0	169794.0	1.32565	Y
3	IC 410-522257/6	10.0	12.720762	50.0	173830.0	1.272076	Y
4	IC 410-522257/7	20.0	26.271345	50.0	175916.0	1.313567	Y
5	ICIS 410-522257/8	50.0	66.076319	50.0	179301.0	1.321526	Y
6	IC 410-522257/9	100.0	131.565094	50.0	184449.0	1.315651	Y
7	IC 410-522257/10	300.0	382.105353	50.0	199026.0	1.273685	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

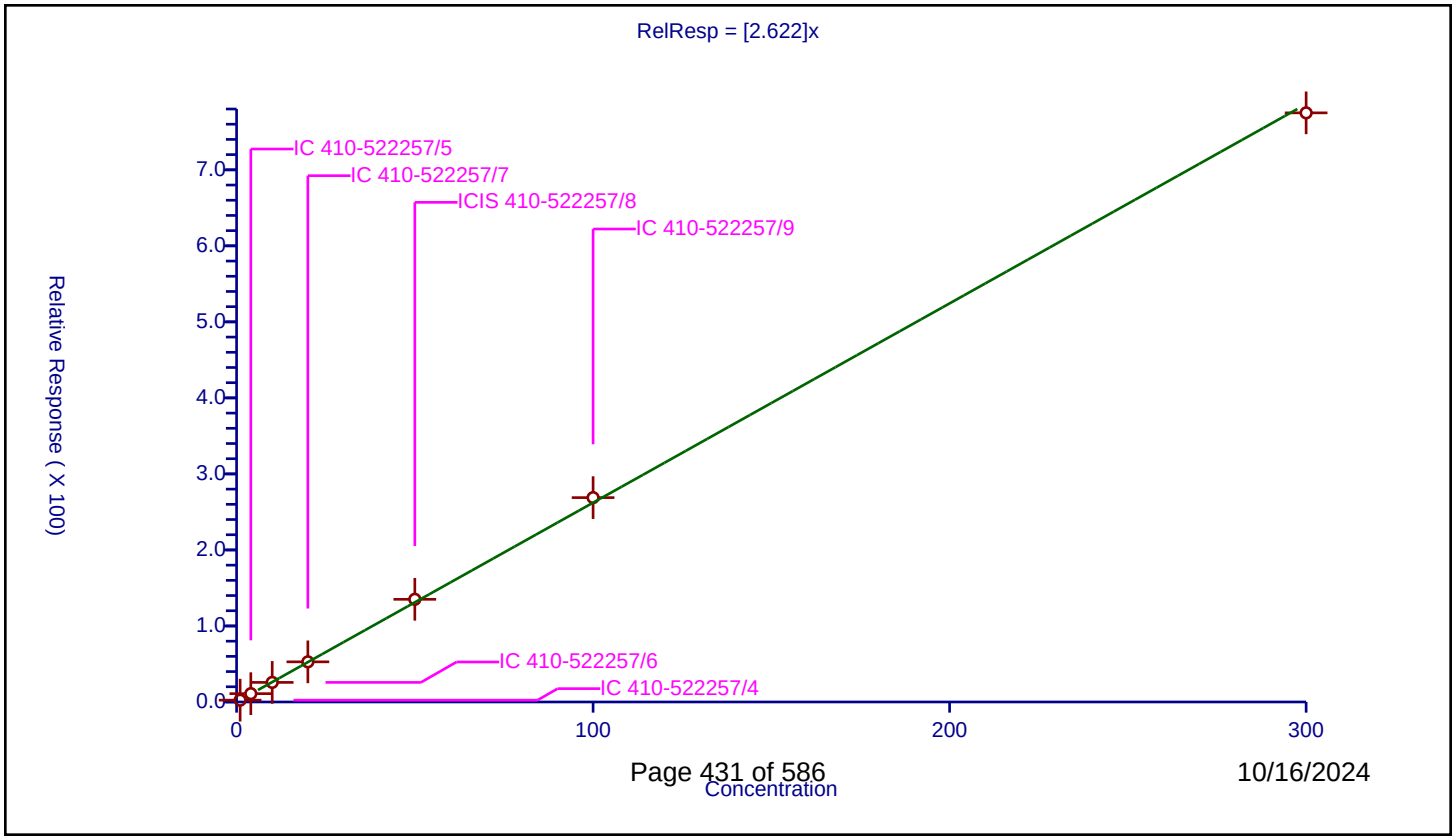
Curve Coefficients

Intercept:	0
Slope:	2.622

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	2.418278	50.0	172995.0	2.418278	Y
2	IC 410-522257/5	4.0	10.972119	50.0	169794.0	2.74303	Y
3	IC 410-522257/6	10.0	25.771156	50.0	173830.0	2.577116	Y
4	IC 410-522257/7	20.0	52.793663	50.0	175916.0	2.639683	Y
5	ICIS 410-522257/8	50.0	135.077049	50.0	179301.0	2.701541	Y
6	IC 410-522257/9	100.0	268.800048	50.0	184449.0	2.688	Y
7	IC 410-522257/10	300.0	774.948248	50.0	199026.0	2.583161	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

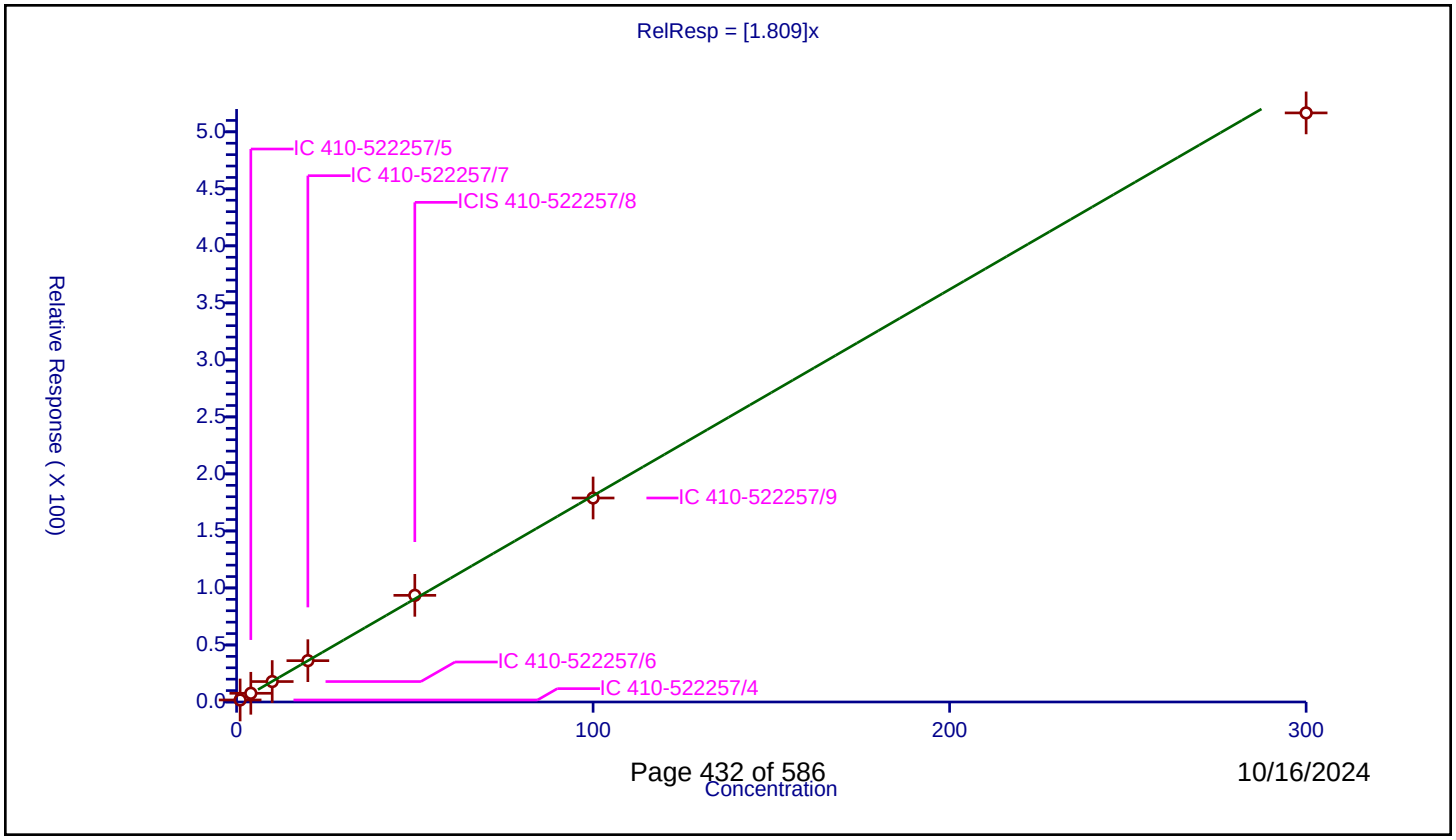
Curve Coefficients

Intercept:	0
Slope:	1.809

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	1.769415	50.0	172995.0	1.769415	Y
2	IC 410-522257/5	4.0	7.630128	50.0	169794.0	1.907532	Y
3	IC 410-522257/6	10.0	17.917793	50.0	173830.0	1.791779	Y
4	IC 410-522257/7	20.0	36.230644	50.0	175916.0	1.811532	Y
5	ICIS 410-522257/8	50.0	93.531269	50.0	179301.0	1.870625	Y
6	IC 410-522257/9	100.0	178.889558	50.0	184449.0	1.788896	Y
7	IC 410-522257/10	300.0	516.584517	50.0	199026.0	1.721948	Y



Calibration / 1,3-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

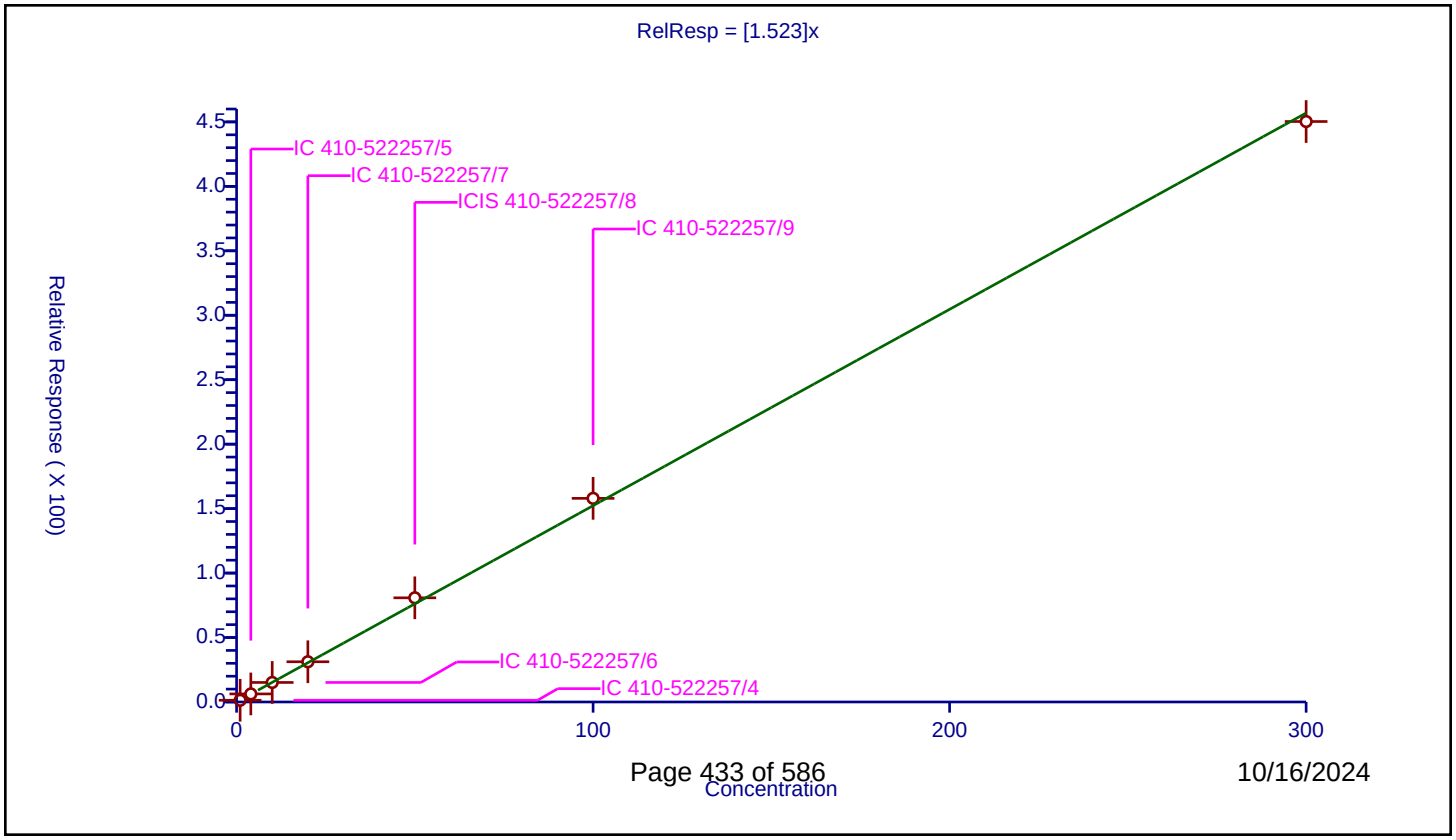
Curve Coefficients

Intercept:	0
Slope:	1.523

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	1.325183	50.0	172995.0	1.325183	Y
2	IC 410-522257/5	4.0	6.253166	50.0	169794.0	1.563291	Y
3	IC 410-522257/6	10.0	15.154461	50.0	173830.0	1.515446	Y
4	IC 410-522257/7	20.0	31.197844	50.0	175916.0	1.559892	Y
5	ICIS 410-522257/8	50.0	80.818289	50.0	179301.0	1.616366	Y
6	IC 410-522257/9	100.0	157.983237	50.0	184449.0	1.579832	Y
7	IC 410-522257/10	300.0	450.298705	50.0	199026.0	1.500996	Y



Calibration / p-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

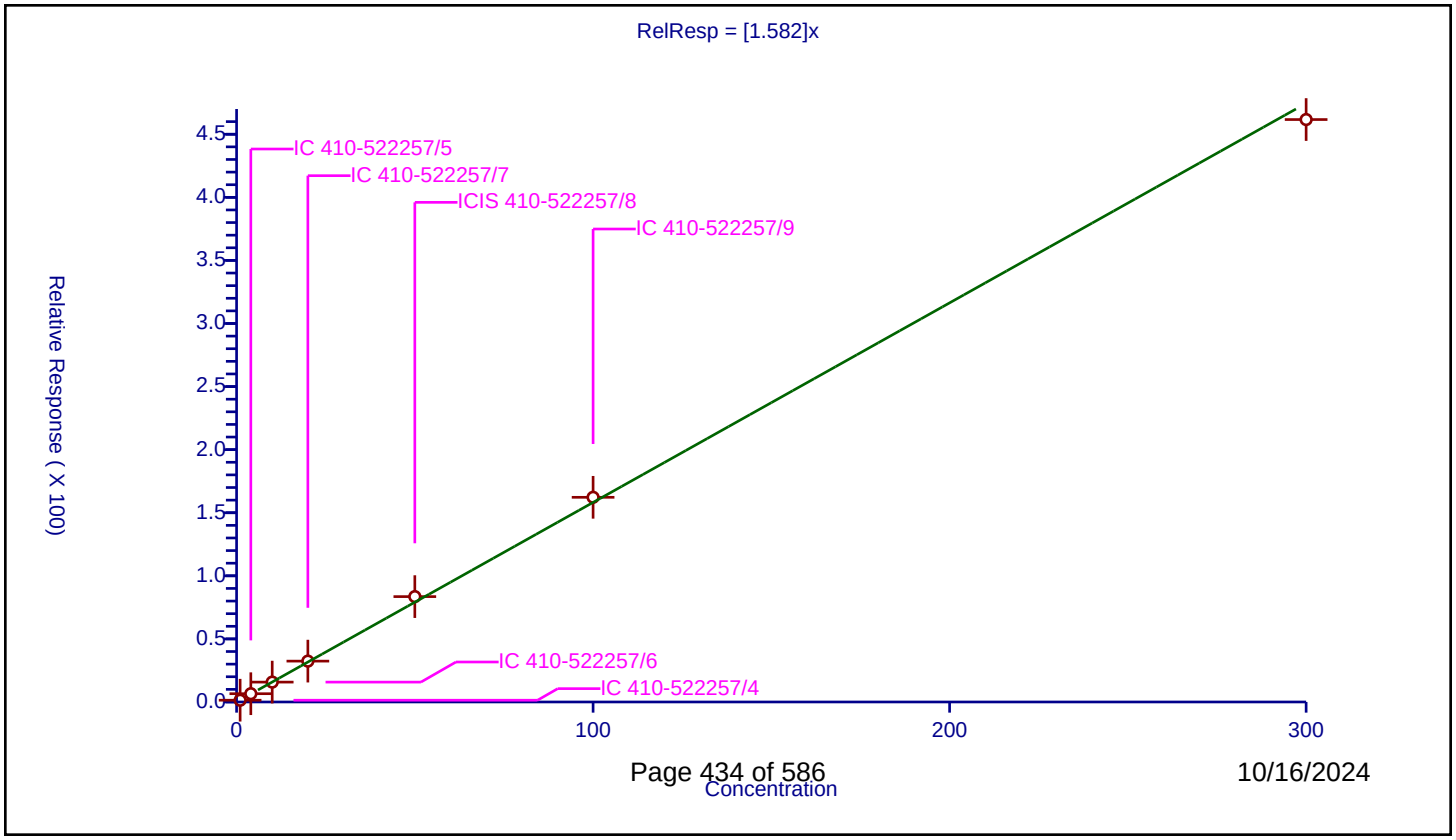
Curve Coefficients

Intercept:	0
Slope:	1.582

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	1.401197	50.0	172995.0	1.401197	Y
2	IC 410-522257/5	4.0	6.571198	50.0	169794.0	1.6428	Y
3	IC 410-522257/6	10.0	15.766554	50.0	173830.0	1.576655	Y
4	IC 410-522257/7	20.0	32.40126	50.0	175916.0	1.620063	Y
5	ICIS 410-522257/8	50.0	83.511804	50.0	179301.0	1.670236	Y
6	IC 410-522257/9	100.0	162.226957	50.0	184449.0	1.62227	Y
7	IC 410-522257/10	300.0	461.64672	50.0	199026.0	1.538822	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

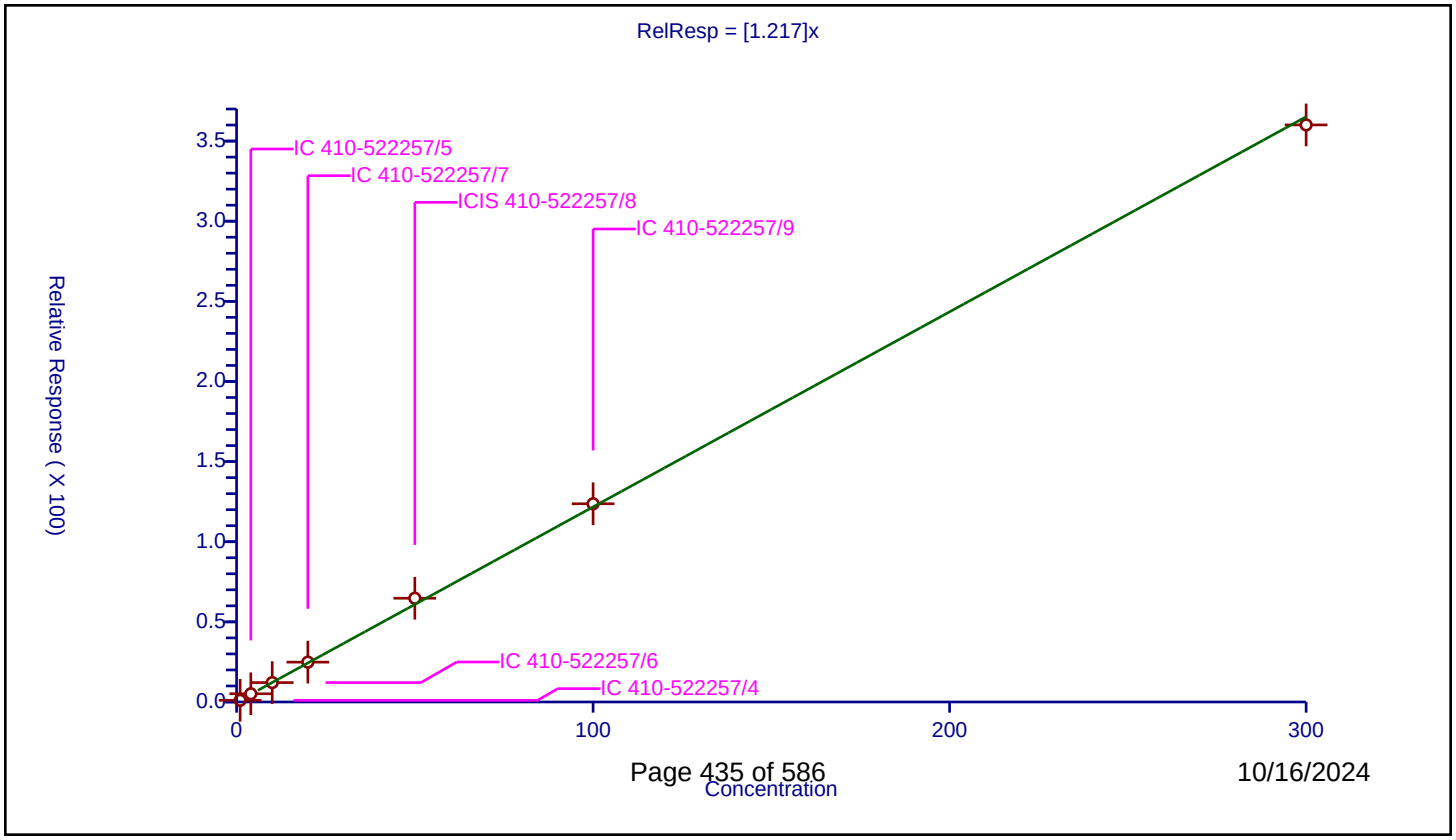
Curve Coefficients

Intercept:	0
Slope:	1.217

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	1.051475	50.0	172995.0	1.051475	Y
2	IC 410-522257/5	4.0	5.131512	50.0	169794.0	1.282878	Y
3	IC 410-522257/6	10.0	12.111258	50.0	173830.0	1.211126	Y
4	IC 410-522257/7	20.0	24.870108	50.0	175916.0	1.243505	Y
5	ICIS 410-522257/8	50.0	64.727469	50.0	179301.0	1.294549	Y
6	IC 410-522257/9	100.0	123.68053	50.0	184449.0	1.236805	Y
7	IC 410-522257/10	300.0	360.089637	50.0	199026.0	1.200299	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

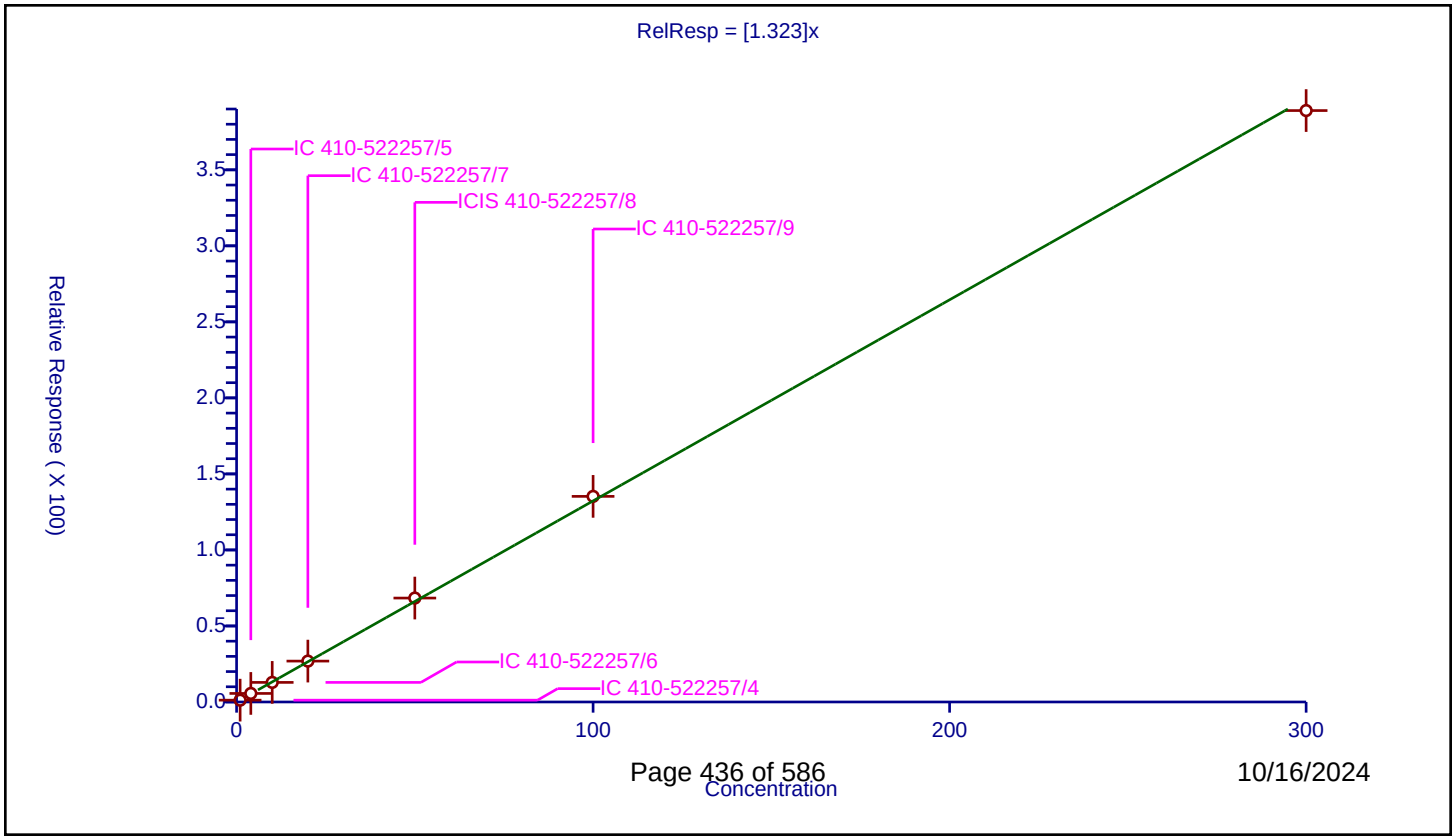
Curve Coefficients

Intercept:	0
Slope:	1.323

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	1.201769	50.0	172995.0	1.201769	Y
2	IC 410-522257/5	4.0	5.627113	50.0	169794.0	1.406778	Y
3	IC 410-522257/6	10.0	12.890468	50.0	173830.0	1.289047	Y
4	IC 410-522257/7	20.0	26.890675	50.0	175916.0	1.344534	Y
5	ICIS 410-522257/8	50.0	68.363813	50.0	179301.0	1.367276	Y
6	IC 410-522257/9	100.0	135.22925	50.0	184449.0	1.352293	Y
7	IC 410-522257/10	300.0	388.984103	50.0	199026.0	1.296614	Y



Calibration / o-diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

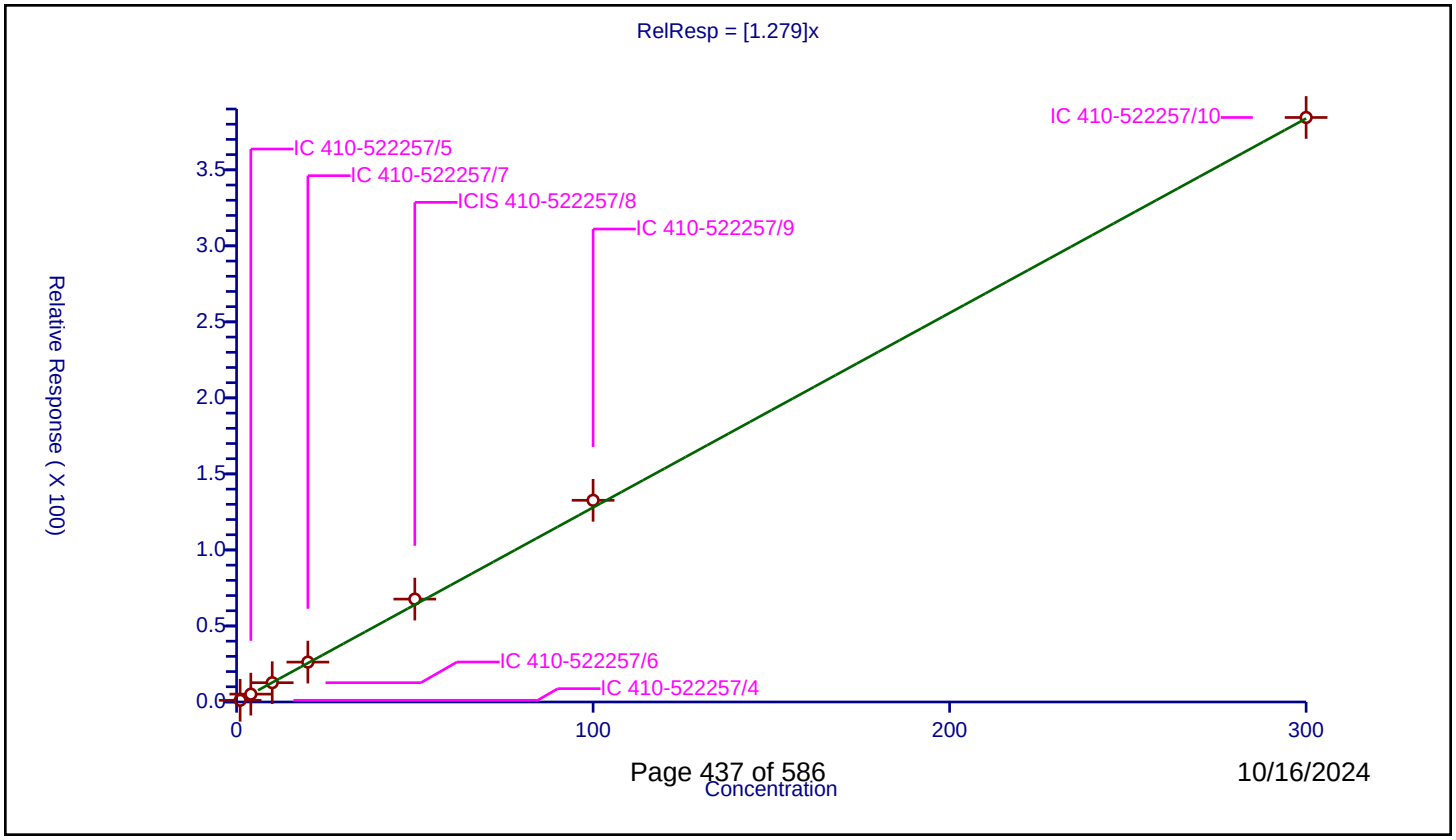
Curve Coefficients

Intercept:	0
Slope:	1.279

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	1.12142	50.0	172995.0	1.12142	Y
2	IC 410-522257/5	4.0	5.164199	50.0	169794.0	1.29105	Y
3	IC 410-522257/6	10.0	12.694299	50.0	173830.0	1.26943	Y
4	IC 410-522257/7	20.0	26.236954	50.0	175916.0	1.311848	Y
5	ICIS 410-522257/8	50.0	67.666661	50.0	179301.0	1.353333	Y
6	IC 410-522257/9	100.0	132.647507	50.0	184449.0	1.326475	Y
7	IC 410-522257/10	300.0	384.443741	50.0	199026.0	1.281479	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

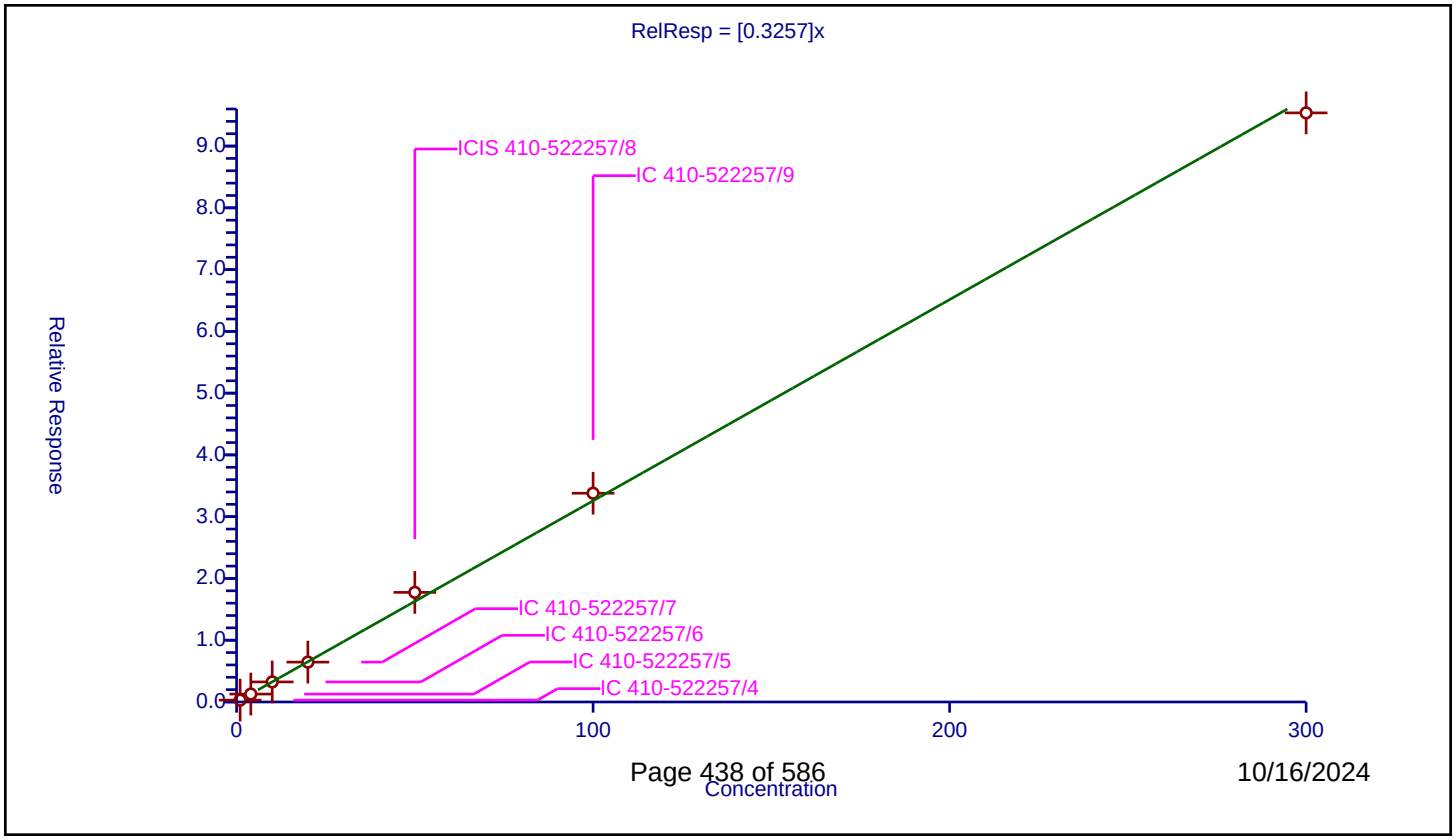
Curve Coefficients

Intercept:	0
Slope:	0.3257

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.300587	50.0	172995.0	0.300587	Y
2	IC 410-522257/5	4.0	1.284203	50.0	169794.0	0.321051	Y
3	IC 410-522257/6	10.0	3.247138	50.0	173830.0	0.324714	Y
4	IC 410-522257/7	20.0	6.457628	50.0	175916.0	0.322881	Y
5	ICIS 410-522257/8	50.0	17.746973	50.0	179301.0	0.354939	Y
6	IC 410-522257/9	100.0	33.798774	50.0	184449.0	0.337988	Y
7	IC 410-522257/10	300.0	95.371961	50.0	199026.0	0.317907	Y



Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

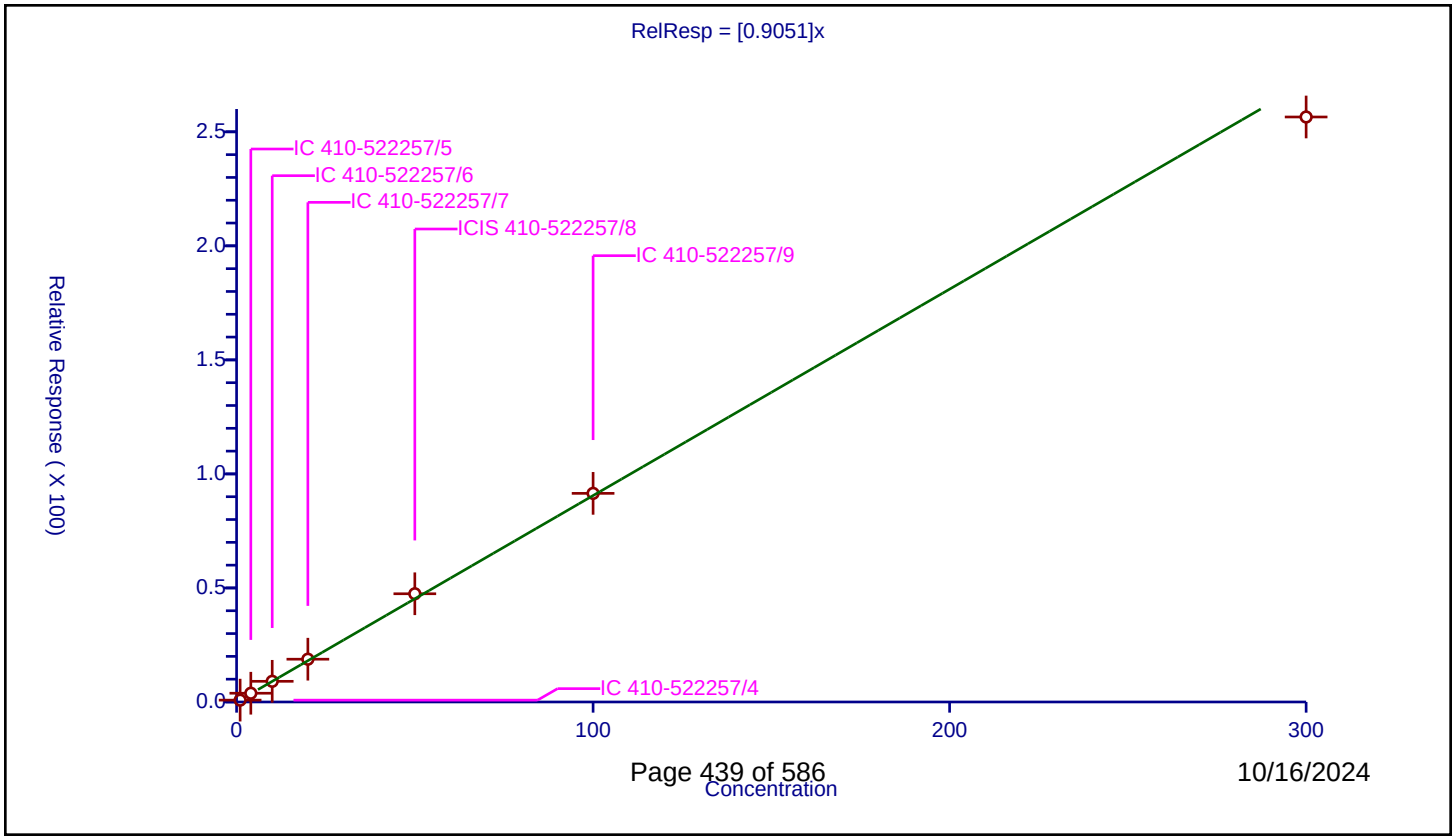
Curve Coefficients

Intercept:	0
Slope:	0.9051

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.81274	50.0	172995.0	0.81274	Y
2	IC 410-522257/5	4.0	3.837886	50.0	169794.0	0.959471	Y
3	IC 410-522257/6	10.0	9.065179	50.0	173830.0	0.906518	Y
4	IC 410-522257/7	20.0	18.761227	50.0	175916.0	0.938061	Y
5	ICIS 410-522257/8	50.0	47.450377	50.0	179301.0	0.949008	Y
6	IC 410-522257/9	100.0	91.472168	50.0	184449.0	0.914722	Y
7	IC 410-522257/10	300.0	256.498397	50.0	199026.0	0.854995	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

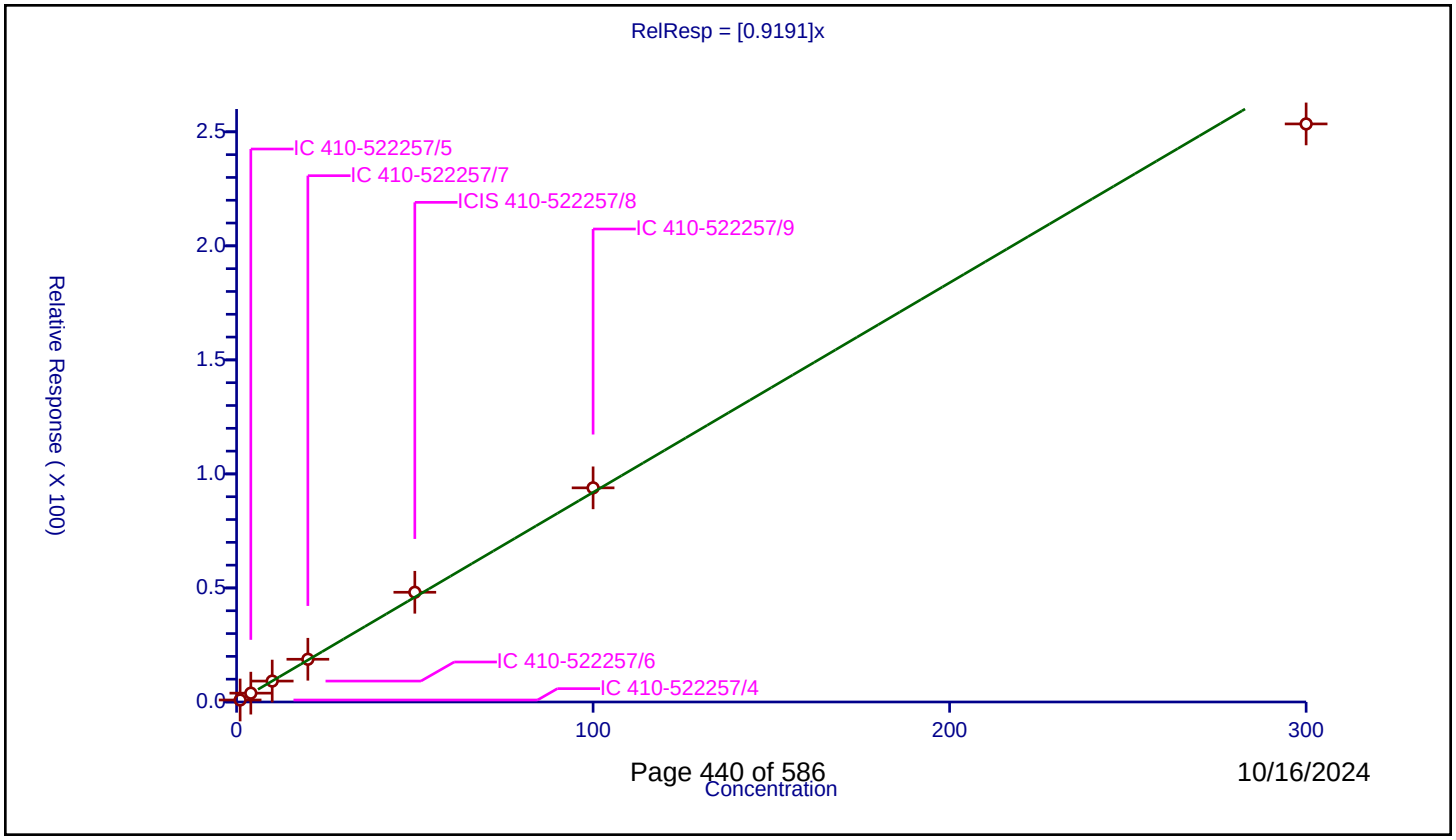
Curve Coefficients

Intercept:	0
Slope:	0.9191

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.865921	50.0	172995.0	0.865921	Y
2	IC 410-522257/5	4.0	3.873812	50.0	169794.0	0.968453	Y
3	IC 410-522257/6	10.0	9.170454	50.0	173830.0	0.917045	Y
4	IC 410-522257/7	20.0	18.733941	50.0	175916.0	0.936697	Y
5	ICIS 410-522257/8	50.0	48.103468	50.0	179301.0	0.962069	Y
6	IC 410-522257/9	100.0	93.892892	50.0	184449.0	0.938929	Y
7	IC 410-522257/10	300.0	253.461859	50.0	199026.0	0.844873	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

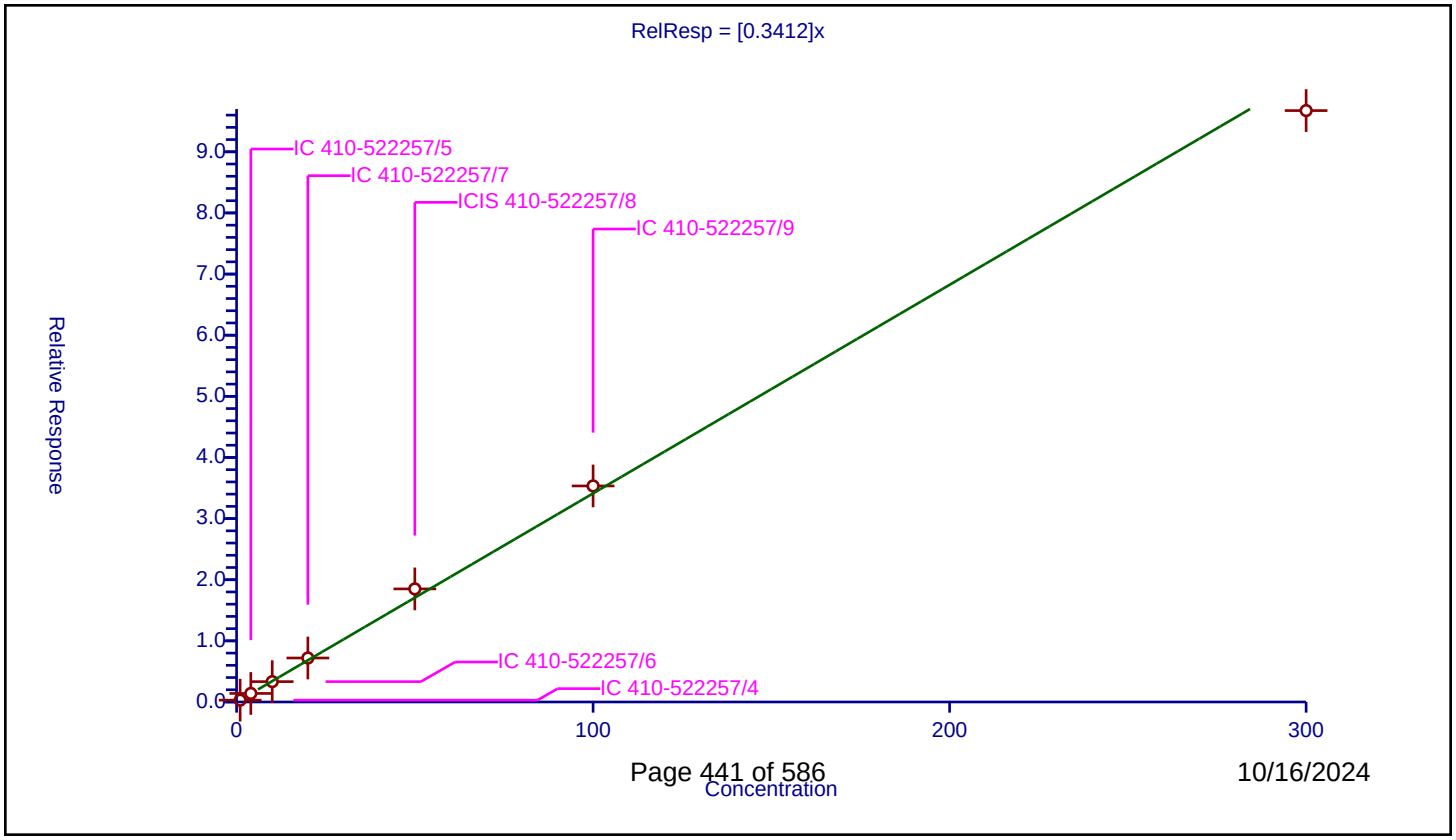
Curve Coefficients

Intercept:	0
Slope:	0.3412

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.300009	50.0	172995.0	0.300009	Y
2	IC 410-522257/5	4.0	1.399637	50.0	169794.0	0.349909	Y
3	IC 410-522257/6	10.0	3.329402	50.0	173830.0	0.33294	Y
4	IC 410-522257/7	20.0	7.197469	50.0	175916.0	0.359873	Y
5	ICIS 410-522257/8	50.0	18.49655	50.0	179301.0	0.369931	Y
6	IC 410-522257/9	100.0	35.340663	50.0	184449.0	0.353407	Y
7	IC 410-522257/10	300.0	96.741129	50.0	199026.0	0.32247	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

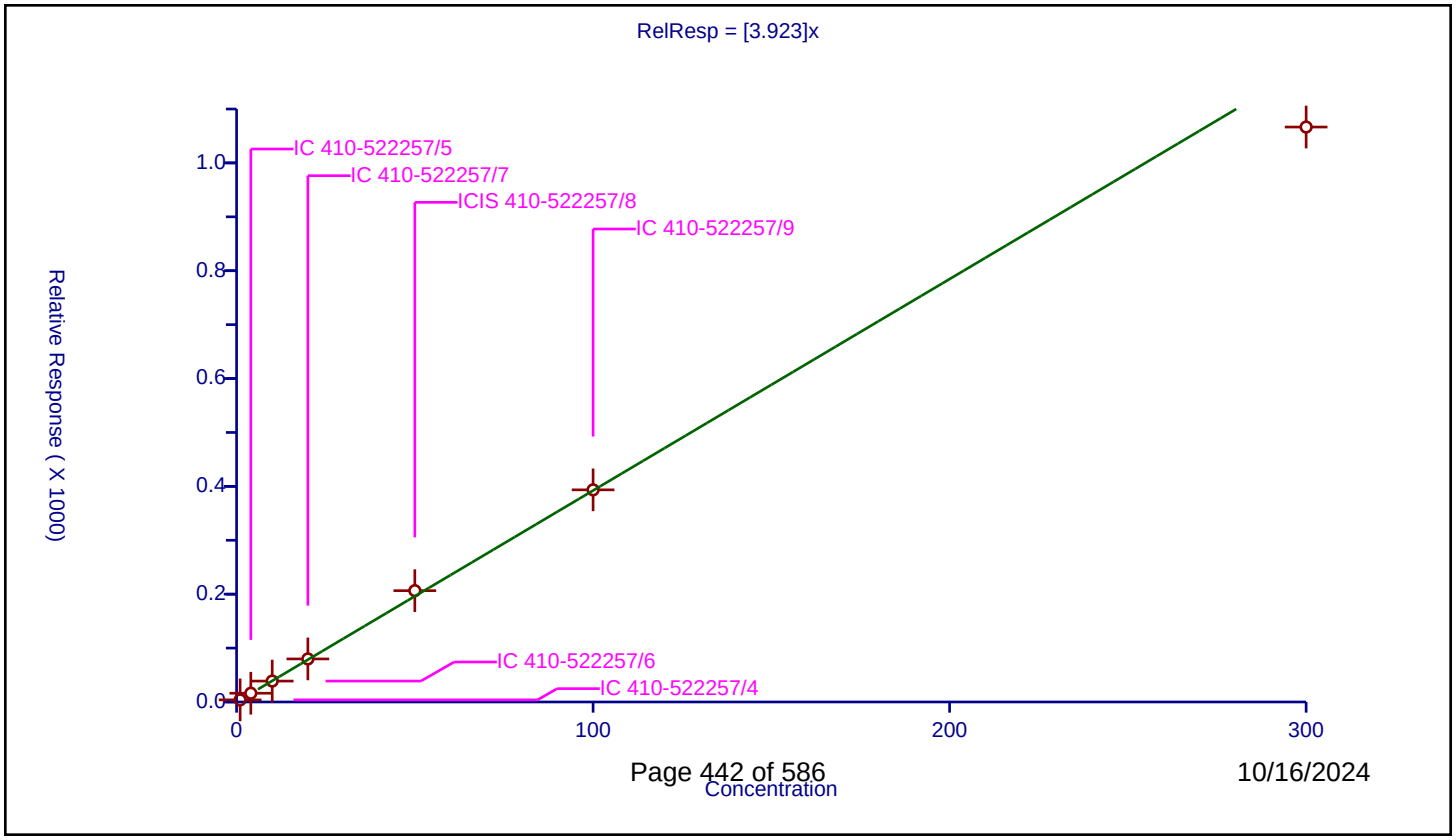
Curve Coefficients

Intercept:	0
Slope:	3.923

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	3.908783	50.0	172995.0	3.908783	Y
2	IC 410-522257/5	4.0	16.227605	50.0	169794.0	4.056901	Y
3	IC 410-522257/6	10.0	38.808606	50.0	173830.0	3.880861	Y
4	IC 410-522257/7	20.0	79.85459	50.0	175916.0	3.992729	Y
5	ICIS 410-522257/8	50.0	206.516695	50.0	179301.0	4.130334	Y
6	IC 410-522257/9	100.0	393.530732	50.0	184449.0	3.935307	Y
7	IC 410-522257/10	300.0	1066.570448	50.0	199026.0	3.555235	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

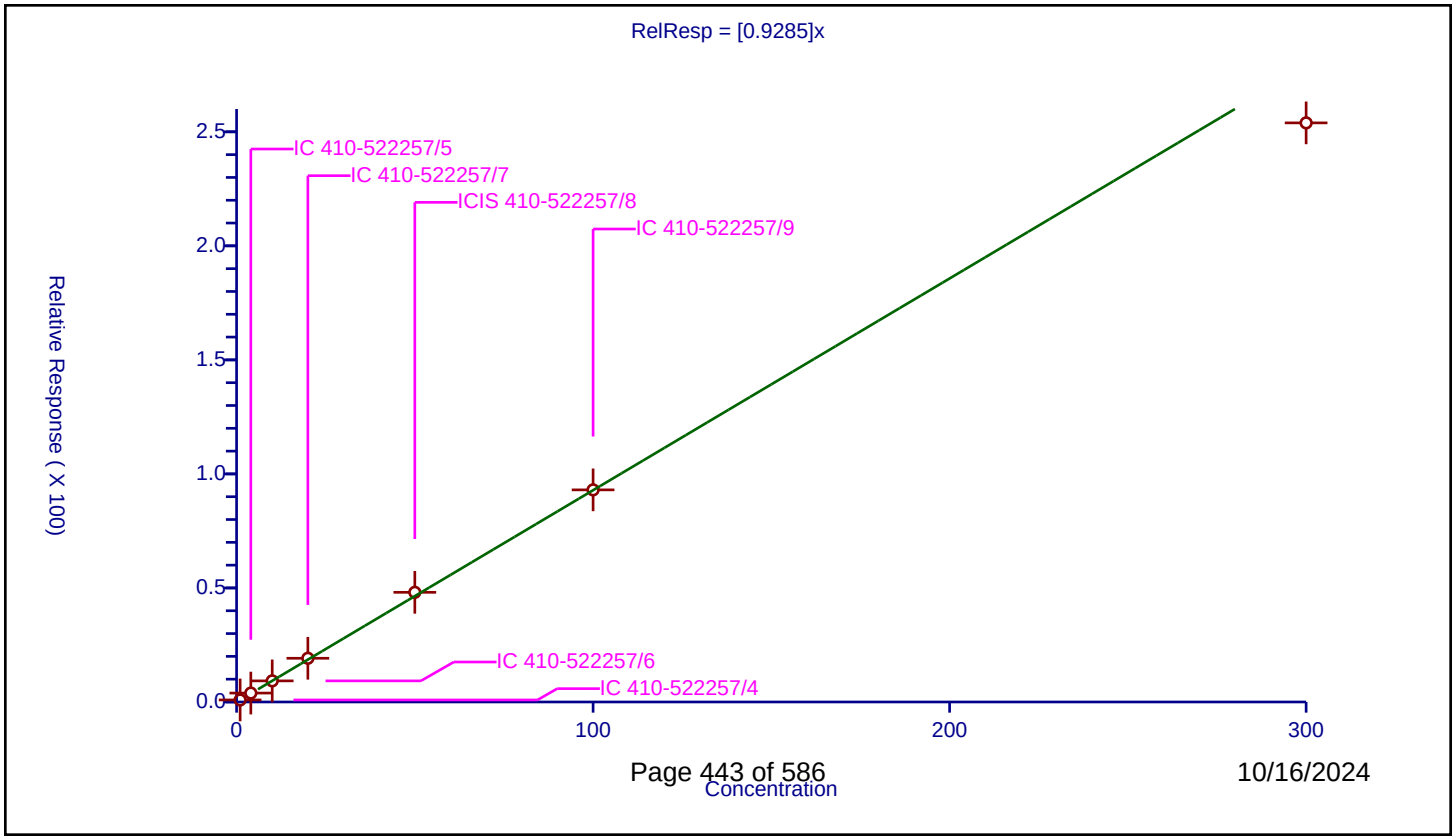
Curve Coefficients

Intercept:	0
Slope:	0.9285

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	0.89887	50.0	172995.0	0.89887	Y
2	IC 410-522257/5	4.0	3.912977	50.0	169794.0	0.978244	Y
3	IC 410-522257/6	10.0	9.258759	50.0	173830.0	0.925876	Y
4	IC 410-522257/7	20.0	19.16426	50.0	175916.0	0.958213	Y
5	ICIS 410-522257/8	50.0	48.084506	50.0	179301.0	0.96169	Y
6	IC 410-522257/9	100.0	93.012432	50.0	184449.0	0.930124	Y
7	IC 410-522257/10	300.0	253.922352	50.0	199026.0	0.846408	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

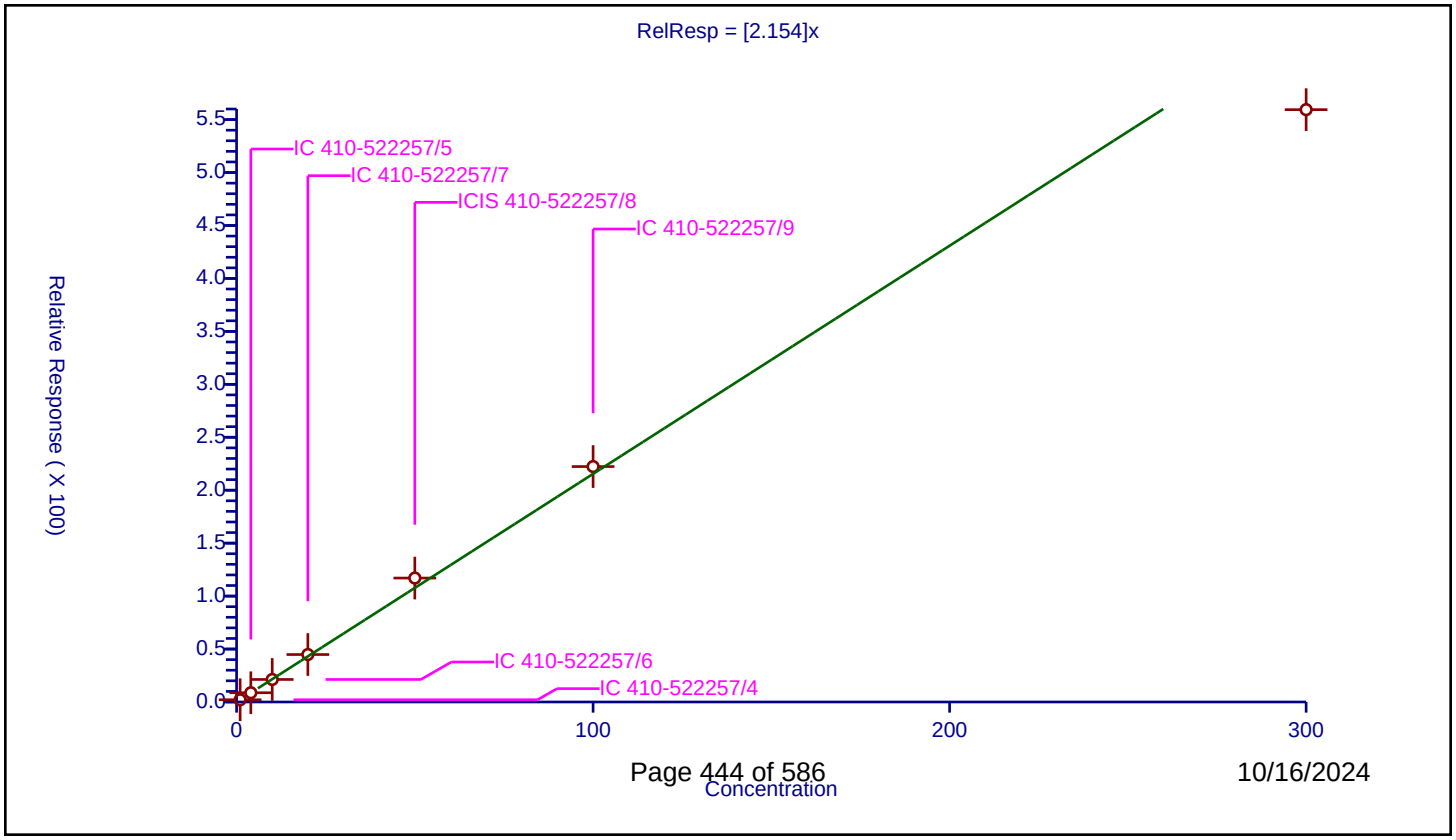
Curve Coefficients

Intercept:	0
Slope:	2.154

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-522257/4	1.0	2.099483	50.0	172995.0	2.099483	Y
2	IC 410-522257/5	4.0	8.735585	50.0	169794.0	2.183896	Y
3	IC 410-522257/6	10.0	21.270494	50.0	173830.0	2.127049	Y
4	IC 410-522257/7	20.0	44.823097	50.0	175916.0	2.241155	Y
5	ICIS 410-522257/8	50.0	117.049264	50.0	179301.0	2.340985	Y
6	IC 410-522257/9	100.0	222.336527	50.0	184449.0	2.223365	Y
7	IC 410-522257/10	300.0	559.40254	50.0	199026.0	1.864675	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Lab Sample ID: ICV 410-522257/12 Calibration Date: 06/27/2024 22:11

Instrument ID: 15830 Calib Start Date: 06/27/2024 18:19

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/27/2024 21:13

Lab File ID: FU27X22.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	0.3902	0.3250	0.1000	16.7	20.0	-16.7	30.0
Chloromethane	Ave	0.4126	0.3790	0.1000	18.4	20.0	-8.1	30.0
Vinyl chloride	Ave	0.3773	0.3756	0.1000	19.9	20.0	-0.4	30.0
1,3-Butadiene	Ave	0.4343	0.3550		16.3	20.0	-18.3	30.0
Bromomethane	Ave	0.2716	0.2623	0.1000	19.3	20.0	-3.4	30.0
Chloroethane	Ave	0.2250	0.2247	0.1000	20.0	20.0	-0.1	30.0
Dichlorofluoromethane	Ave	0.6121	0.5480		17.9	20.0	-10.5	30.0
n-Pentane	Ave	0.4250	0.3888		18.3	20.0	-8.5	30.0
Trichlorofluoromethane	Ave	0.4576	0.4486	0.1000	19.6	20.0	-2.0	30.0
Freon 123a	Ave	0.3227	0.3150		19.5	20.0	-2.4	30.0
Acrolein	Ave	0.5997	0.8800		221	150	46.7*	30.0
1,1-Dichloroethene	Ave	0.2382	0.2462	0.1000	20.7	20.0	3.4	30.0
Acetone	Ave	0.4991	0.5114	0.1000	256	250	2.5	30.0
Freon 113	Ave	0.2749	0.2467	0.1000	17.9	20.0	-10.3	30.0
Methyl iodide	Ave	0.4709	0.4554		19.3	20.0	-3.3	30.0
2-Propanol	Ave	0.4182	0.3299		118	150	-21.1	30.0
Carbon disulfide	Ave	0.7557	0.7465	0.1000	19.8	20.0	-1.2	30.0
Allyl chloride	Ave	0.4331	0.3526		16.3	20.0	-18.6	30.0
Methyl acetate	Ave	0.3513	0.3893	0.1000	22.2	20.0	10.8	30.0
Methylene Chloride	Ave	0.2749	0.2680	0.1000	19.5	20.0	-2.5	30.0
t-Butyl alcohol	Ave	0.9522	0.9229		194	200	-3.1	30.0
Acrylonitrile	Ave	0.1846	0.1850		100	100	0.2	30.0
trans-1,2-Dichloroethene	Ave	0.2553	0.2530	0.1000	19.8	20.0	-0.9	30.0
Methyl tert-butyl ether	Ave	0.7340	0.7143	0.1000	19.5	20.0	-2.7	30.0
n-Hexane	Ave	0.3259	0.2919		17.9	20.0	-10.4	30.0
1,1-Dichloroethane	Ave	0.4332	0.4369	0.2000	20.2	20.0	0.9	30.0
Isopropyl ether	Ave	0.7348	0.6957		18.9	20.0	-5.3	30.0
2-Chloro-1,3-butadiene	Ave	0.3853	0.3898		20.2	20.0	1.2	30.0
Ethyl t-butyl ether	Ave	0.7232	0.7169		19.8	20.0	-0.9	30.0
cis-1,2-Dichloroethene	Ave	0.2734	0.2782	0.1000	20.3	20.0	1.7	30.0
2-Butanone (MEK)	Ave	0.2449	0.2240	0.1000	229	250	-8.5	30.0
2,2-Dichloropropane	Ave	0.4010	0.3906		19.5	20.0	-2.6	30.0
Propionitrile	Ave	0.7897	0.8575		163	150	8.6	30.0
Methacrylonitrile	Ave	0.1636	0.1616		148	150	-1.2	30.0
Bromochloromethane	Ave	0.1283	0.1370		21.3	20.0	6.7	30.0
Tetrahydrofuran	Ave	0.7278	0.7683		106	100	5.6	30.0
Chloroform	Ave	0.4463	0.4266	0.2000	19.1	20.0	-4.4	30.0
1,1,1-Trichloroethane	Ave	0.4057	0.4129	0.1000	20.4	20.0	1.8	30.0
Cyclohexane	Ave	0.4881	0.4577	0.1000	18.8	20.0	-6.2	30.0
Carbon tetrachloride	Ave	0.3435	0.3467	0.1000	20.2	20.0	1.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Lab Sample ID: ICV 410-522257/12 Calibration Date: 06/27/2024 22:11

Instrument ID: 15830 Calib Start Date: 06/27/2024 18:19

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/27/2024 21:13

Lab File ID: FU27X22.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	0.3289	0.3342		20.3	20.0	1.6	30.0
Isobutyl alcohol	Ave	0.2780	0.2281		410	500	-18.0	30.0
Benzene	Ave	0.9822	0.9681	0.5000	19.7	20.0	-1.4	30.0
1,2-Dichloroethane	Ave	0.3049	0.3068	0.1000	20.1	20.0	0.6	30.0
t-Amyl methyl ether	Ave	0.7060	0.6921		19.6	20.0	-2.0	30.0
n-Heptane	Ave	0.2786	0.2441		17.5	20.0	-12.4	30.0
n-Butanol	Ave	0.2019	0.1758		870	1000	-13.0	30.0
Trichloroethene	Ave	0.2620	0.2682	0.2000	20.5	20.0	2.4	30.0
Methylcyclohexane	Ave	0.4662	0.4341	0.1000	18.6	20.0	-6.9	30.0
1,2-Dichloropropane	Ave	0.2269	0.2317	0.1000	20.4	20.0	2.1	30.0
t-Amyl ethyl ether	Ave	0.3799	0.3609		19.0	20.0	-5.0	30.0
1,4-Dioxane	Ave	0.0405	0.0428	0.0050	528	500	5.7	30.0
Dibromomethane	Ave	0.1521	0.1531		20.1	20.0	0.6	30.0
Methyl methacrylate	Ave	0.2222	0.2068		18.6	20.0	-7.0	30.0
Bromodichloromethane	Ave	0.2844	0.2777	0.2000	19.5	20.0	-2.4	30.0
2-Nitropropane	Ave	1.195	1.198		20.1	20.0	0.3	30.0
2-Chloroethyl vinyl ether	Ave	0.1544	0.1538		19.9	20.0	-0.4	30.0
cis-1,3-Dichloropropene	Ave	0.3583	0.3392	0.2000	18.9	20.0	-5.3	30.0
4-Methyl-2-pentanone (MIBK)	Qua		0.4455	0.1000	244	250	-2.2	30.0
Toluene	Ave	0.8417	0.8232	0.4000	19.6	20.0	-2.2	30.0
trans-1,3-Dichloropropene	Ave	0.4458	0.4329	0.1000	19.4	20.0	-2.9	30.0
Ethyl methacrylate	Ave	0.5031	0.4753		18.9	20.0	-5.5	30.0
1,1,2-Trichloroethane	Ave	0.2806	0.2787	0.1000	19.9	20.0	-0.7	30.0
Tetrachloroethene	Ave	0.3751	0.3739	0.2000	19.9	20.0	-0.3	30.0
1,3-Dichloropropane	Ave	0.4560	0.4577		20.1	20.0	0.4	30.0
2-Hexanone	Ave	0.4405	0.4472	0.1000	254	250	1.5	30.0
Dibromochloromethane	Ave	0.3045	0.3021		19.8	20.0	-0.8	30.0
1,2-Dibromoethane (EDB)	Ave	0.3064	0.3042	0.1000	19.9	20.0	-0.7	30.0
Chlorobenzene	Ave	0.9323	0.9210	0.5000	19.8	20.0	-1.2	30.0
1-Chlorohexane	Ave	0.4577	0.4353		19.0	20.0	-4.9	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3433	0.3411		19.9	20.0	-0.6	30.0
Ethylbenzene	Ave	1.653	1.654	0.1000	20.0	20.0	0.0	30.0
m&p-Xylene	Ave	0.6570	0.6506	0.1000	39.6	40.0	-1.0	30.0
o-Xylene	Ave	0.6756	0.6680	0.3000	19.8	20.0	-1.1	30.0
Styrene	Ave	1.013	1.010	0.3000	19.9	20.0	-0.3	30.0
Bromoform	Ave	0.2359	0.2286	0.1000	19.4	20.0	-3.1	30.0
Isopropylbenzene	Ave	1.670	1.812	0.1000	21.7	20.0	8.5	30.0
Bromobenzene	Ave	0.6889	0.7042		20.4	20.0	2.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9071	0.8709	0.3000	19.2	20.0	-4.0	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2777	0.2693		97.0	100	-3.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Lab Sample ID: ICV 410-522257/12 Calibration Date: 06/27/2024 22:11

Instrument ID: 15830 Calib Start Date: 06/27/2024 18:19

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/27/2024 21:13

Lab File ID: FU27X22.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	0.2993	0.2956		19.8	20.0	-1.2	30.0
N-Propylbenzene	Ave	3.376	3.470		20.6	20.0	2.8	30.0
2-Chlorotoluene	Ave	0.7155	0.7363		20.6	20.0	2.9	30.0
1,3,5-Trimethylbenzene	Ave	2.548	2.611		20.5	20.0	2.5	30.0
4-Chlorotoluene	Ave	0.6802	0.6820		20.1	20.0	0.3	30.0
tert-Butylbenzene	Ave	0.5171	0.5199		20.1	20.0	0.5	30.0
1,2,4-Trimethylbenzene	Ave	2.545	2.560		20.1	20.0	0.6	30.0
sec-Butylbenzene	Ave	3.073	3.121		20.3	20.0	1.6	30.0
1,3-Dichlorobenzene	Ave	1.297	1.286	0.6000	19.8	20.0	-0.9	30.0
p-Isopropyltoluene	Ave	2.709	2.711		20.0	20.0	0.0	30.0
1,4-Dichlorobenzene	Ave	1.302	1.325	0.5000	20.4	20.0	1.8	30.0
1,2,3-Trimethylbenzene	Ave	2.622	2.544		19.4	20.0	-3.0	30.0
Benzyl chloride	Ave	1.809	1.638		18.1	20.0	-9.4	30.0
1,3-Diethylbenzene	Ave	1.523	1.548		20.3	20.0	1.6	30.0
1,4-Diethylbenzene	Ave	1.582	1.589		20.1	20.0	0.5	30.0
n-Butylbenzene	Ave	1.217	1.201		19.7	20.0	-1.3	30.0
1,2-Dichlorobenzene	Ave	1.323	1.339	0.4000	20.3	20.0	1.3	30.0
1,2-Diethylbenzene	Ave	1.279	1.278		20.0	20.0	-0.0	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.3257	0.3008	0.0500	18.5	20.0	-7.7	30.0
1,3,5-Trichlorobenzene	Ave	0.9051	0.9379		20.7	20.0	3.6	30.0
1,2,4-Trichlorobenzene	Ave	0.9191	0.9516	0.2000	20.7	20.0	3.5	30.0
Hexachlorobutadiene	Ave	0.3412	0.3960		23.2	20.0	16.1	30.0
Naphthalene	Ave	3.923	3.934		20.1	20.0	0.3	30.0
1,2,3-Trichlorobenzene	Ave	0.9285	0.9660		20.8	20.0	4.0	30.0
2-Methylnaphthalene	Ave	2.154	2.426		22.5	20.0	12.6	30.0
Dibromofluoromethane (Surr)	Ave	0.2507	0.2504		49.9	50.0	-0.1	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0643	0.0639		49.7	50.0	-0.6	30.0
Toluene-d8 (Surr)	Ave	1.327	1.323		49.9	50.0	-0.3	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4884	0.4869		49.8	50.0	-0.3	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X22.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 27-Jun-2024 22:11:03 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 410-0117886-012
Operator ID: MEC29284 Instrument ID: 15830
Sublist:

Method: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 27-Jun-2024 23:00:49 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1650

First Level Reviewer: K4WN Date: 27-Jun-2024 22:52:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.021	1.014	0.007	98	56525	20.0	16.7	
2 Chloromethane	50	1.121	1.124	-0.004	98	65910	20.0	18.4	M
3 Vinyl chloride	62	1.175	1.185	-0.010	98	65326	20.0	19.9	
4 Butadiene	39	1.178	1.185	-0.007	90	61736	20.0	16.3	
5 Bromomethane	94	1.365	1.365	0.000	89	45612	20.0	19.3	
6 Chloroethane	64	1.391	1.397	-0.006	99	39078	20.0	20.0	
16 Dichlorofluoromethane	67	1.545	1.551	-0.006	99	95298	20.0	17.9	
8 Pentane	43	1.551	1.558	-0.007	97	67621	20.0	18.3	
7 Trichlorofluoromethane	101	1.574	1.583	-0.009	95	78011	20.0	19.6	M
22 1,2-Dichloro-1,1,2-trifluoroetha	67	1.773	1.773	0.000	69	54775	20.0	19.5	
9 Acrolein	56	1.780	1.786	-0.006	99	108974	150.3	220.5	
10 1,1-Dichloroethene	96	1.844	1.850	-0.006	97	42824	20.0	20.7	
11 Acetone	58	1.873	1.882	-0.009	100	105354	250.0	256.2	
12 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.899	1.908	-0.009	92	42902	20.0	17.9	
13 Iodomethane	142	1.960	1.966	-0.006	100	79199	20.0	19.3	
15 Isopropyl alcohol	45	1.985	1.985	0.000	95	40771	150.0	118.3	M
14 Carbon disulfide	76	2.011	2.018	-0.007	100	129814	20.0	19.8	
17 3-Chloro-1-propene	41	2.114	2.117	-0.003	90	61317	20.0	16.3	
18 Methyl acetate	43	2.117	2.117	0.000	53	67693	20.0	22.2	M
19 Methylene Chloride	84	2.227	2.227	0.000	91	46608	20.0	19.5	
* 20 t-Butyl alcohol-d10 (IS)	65	2.252	2.249	0.003	95	205991	250.0	250.0	
21 2-Methyl-2-propanol	59	2.317	2.323	-0.006	97	152080	200.0	193.8	
23 Acrylonitrile	53	2.403	2.407	-0.004	100	160833	100.0	100.2	
24 trans-1,2-Dichloroethene	96	2.423	2.432	-0.009	99	43993	20.0	19.8	
25 Methyl tert-butyl ether	73	2.429	2.436	-0.007	90	124223	20.0	19.5	
26 Hexane	57	2.648	2.651	-0.003	93	50761	20.0	17.9	
27 1,1-Dichloroethane	63	2.770	2.773	-0.003	95	75980	20.0	20.2	
28 Isopropyl ether	45	2.812	2.815	-0.003	95	120991	20.0	18.9	
29 2-Chloro-1,3-butadiene	53	2.828	2.828	0.000	92	67795	20.0	20.2	
30 Tert-butyl ethyl ether	59	3.104	3.101	0.003	97	124669	20.0	19.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Butanone (MEK)	43	3.230	3.230	0.000	100	486873	250.0	228.6	
31 cis-1,2-Dichloroethene	96	3.223	3.230	-0.007	80	48375	20.0	20.3	
33 2,2-Dichloropropane	77	3.249	3.252	-0.003	87	67921	20.0	19.5	
34 Propionitrile	54	3.275	3.275	0.000	99	105981	150.0	162.9	
35 Methacrylonitrile	67	3.391	3.394	-0.004	94	210710	150.0	148.1	
36 Chlorobromomethane	128	3.410	3.413	-0.003	93	23819	20.0	21.3	
37 Tetrahydrofuran	71	3.423	3.426	-0.003	87	63307	100.0	105.6	
39 Chloroform	83	3.506	3.506	0.000	93	74185	20.0	19.1	
$ 41 Dibromofluoromethane (Surr)	113	3.628	3.632	-0.004	94	108871	50.0	49.9	
40 1,1,1-Trichloroethane	97	3.628	3.635	-0.007	55	71807	20.0	20.4	
42 Cyclohexane	56	3.686	3.689	-0.003	91	79596	20.0	18.8	
43 Carbon tetrachloride	117	3.747	3.754	-0.007	76	60300	20.0	20.2	
44 1,1-Dichloropropene	75	3.751	3.754	-0.003	94	58113	20.0	20.3	
45 Isobutyl alcohol	41	3.889	3.895	-0.006	92	93956	500.0	410.1	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.899	3.895	0.004	84	27800	50.0	49.7	
47 Benzene	78	3.905	3.908	-0.003	95	168357	20.0	19.7	
48 1,2-Dichloroethane	62	3.953	3.960	-0.007	97	53355	20.0	20.1	
49 Tert-amyl methyl ether	73	4.034	4.037	-0.003	97	120355	20.0	19.6	
* 50 Fluorobenzene (IS)	96	4.156	4.159	-0.003	99	434762	50.0	50.0	
51 n-Heptane	43	4.172	4.175	-0.003	92	42458	20.0	17.5	
52 n-Butanol	56	4.413	4.416	-0.003	88	144843	1000.0	870.5	
53 Trichloroethene	95	4.455	4.455	0.000	97	46649	20.0	20.5	
54 Methylcyclohexane	83	4.641	4.648	-0.007	89	75485	20.0	18.6	
55 1,2-Dichloropropane	63	4.664	4.667	-0.003	96	40293	20.0	20.4	
56 2-ethoxy-2-methyl butane	87	4.686	4.689	-0.003	94	62770	20.0	19.0	
58 1,4-Dioxane	88	4.725	4.722	0.003	84	17615	500.0	528.4	M
57 Dibromomethane	93	4.738	4.734	0.004	97	26617	20.0	20.1	
59 Methyl methacrylate	69	4.744	4.741	0.003	91	35957	20.0	18.6	
60 Dichlorobromomethane	83	4.895	4.895	0.000	99	48297	20.0	19.5	
61 2-Nitropropane	41	5.085	5.085	0.000	98	19748	20.0	20.1	
62 2-Chloroethyl vinyl ether	63	5.146	5.152	-0.006	92	26749	20.0	19.9	
63 cis-1,3-Dichloropropene	75	5.265	5.268	-0.003	95	58995	20.0	18.9	
64 4-Methyl-2-pentanone (MIBK)	43	5.410	5.410	0.000	97	968424	250.0	244.5	
$ 65 Toluene-d8 (Surr)	98	5.484	5.484	0.000	93	411790	50.0	49.9	
66 Toluene	92	5.538	5.538	0.000	98	102450	20.0	19.6	
67 trans-1,3-Dichloropropene	75	5.741	5.741	0.000	94	53879	20.0	19.4	
68 Ethyl methacrylate	69	5.799	5.799	0.000	89	59159	20.0	18.9	
69 1,1,2-Trichloroethane	97	5.882	5.886	-0.004	91	34690	20.0	19.9	
70 Tetrachloroethene	166	5.931	5.931	0.000	97	46538	20.0	19.9	
71 1,3-Dichloropropane	76	5.998	5.998	0.000	91	56960	20.0	20.1	
73 2-Hexanone	43	6.053	6.053	0.000	98	695675	250.0	253.8	
74 Chlorodibromomethane	129	6.143	6.146	-0.003	90	37598	20.0	19.8	
75 Ethylene Dibromide	107	6.217	6.217	0.000	99	37861	20.0	19.9	
* 76 Chlorobenzene-d5 (IS)	117	6.532	6.532	0.000	85	311151	50.0	50.0	
77 Chlorobenzene	112	6.551	6.551	0.000	96	114631	20.0	19.8	
78 1-Chlorohexane	91	6.558	6.558	0.000	94	54172	20.0	19.0	
79 1,1,1,2-Tetrachloroethane	131	6.615	6.615	0.000	95	42455	20.0	19.9	
80 Ethylbenzene	91	6.622	6.622	0.000	98	205834	20.0	20.0	
81 m-Xylene & p-Xylene	106	6.709	6.709	0.000	99	161941	40.0	39.6	
82 o-Xylene	106	6.940	6.943	-0.003	97	83142	20.0	19.8	
83 Styrene	104	6.956	6.956	0.000	95	125739	20.0	19.9	
84 Bromoform	173	7.056	7.056	0.000	96	28451	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
85 Isopropylbenzene	105	7.165	7.165	0.000	95	225538	20.0	21.7	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	91	151494	50.0	49.8	
87 Bromobenzene	156	7.339	7.339	0.000	91	48828	20.0	20.4	
88 1,1,2,2-Tetrachloroethane	83	7.352	7.352	0.000	93	60389	20.0	19.2	
89 trans-1,4-Dichloro-2-butene	53	7.371	7.371	0.000	90	93356	100.0	97.0	
90 1,2,3-Trichloropropane	110	7.377	7.377	0.000	85	20500	20.0	19.8	
91 N-Propylbenzene	91	7.406	7.406	0.000	98	240613	20.0	20.6	
92 2-Chlorotoluene	126	7.451	7.451	0.000	97	51060	20.0	20.6	
93 1,3,5-Trimethylbenzene	105	7.509	7.509	0.000	95	181040	20.0	20.5	
94 4-Chlorotoluene	126	7.522	7.522	0.000	97	47294	20.0	20.1	
95 tert-Butylbenzene	134	7.683	7.683	0.000	92	36049	20.0	20.1	
96 1,2,4-Trimethylbenzene	105	7.715	7.715	0.000	97	177525	20.0	20.1	
97 sec-Butylbenzene	105	7.805	7.805	0.000	94	216384	20.0	20.3	
98 1,3-Dichlorobenzene	146	7.863	7.866	-0.003	98	89141	20.0	19.8	
99 4-Isopropyltoluene	119	7.889	7.889	0.000	97	187990	20.0	20.0	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	93	173356	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.921	7.921	0.000	97	91900	20.0	20.4	
102 1,2,3-Trimethylbenzene	105	7.937	7.937	0.000	98	176418	20.0	19.4	
103 Benzyl chloride	91	7.982	7.982	0.000	98	113586	20.0	18.1	
104 1,3-Diethylbenzene	119	8.040	8.040	0.000	95	107319	20.0	20.3	
105 p-Diethylbenzene	119	8.091	8.091	0.000	93	110207	20.0	20.1	
106 n-Butylbenzene	92	8.104	8.104	0.000	97	83308	20.0	19.7	
107 1,2-Dichlorobenzene	146	8.107	8.107	0.000	98	92871	20.0	20.3	
108 o-diethylbenzene	119	8.143	8.143	0.000	94	88630	20.0	20.0	
109 1,2-Dibromo-3-Chloropropane	75	8.516	8.516	0.000	87	20857	20.0	18.5	
110 1,3,5-Trichlorobenzene	180	8.612	8.612	0.000	98	65033	20.0	20.7	
111 1,2,4-Trichlorobenzene	180	8.930	8.930	0.000	95	65984	20.0	20.7	
112 Hexachlorobutadiene	225	9.001	9.001	0.000	97	27462	20.0	23.2	
113 Naphthalene	128	9.059	9.059	0.000	97	272799	20.0	20.1	
114 1,2,3-Trichlorobenzene	180	9.172	9.168	0.004	96	66985	20.0	20.8	
115 2-Methylnaphthalene	142	9.615	9.615	0.000	93	168247	20.0	22.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00173	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00177	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00176	Amount Added: 50.00	Units: uL	
MSV_QC_2K_GAS_00221	Amount Added: 1.00	Units: uL	
MSV_Cent_ISSS_00027	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 28-Jun-2024 11:21:59 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X22.D

Injection Date: 27-Jun-2024 22:11:03 Instrument ID: 15830 Operator ID: MEC29284

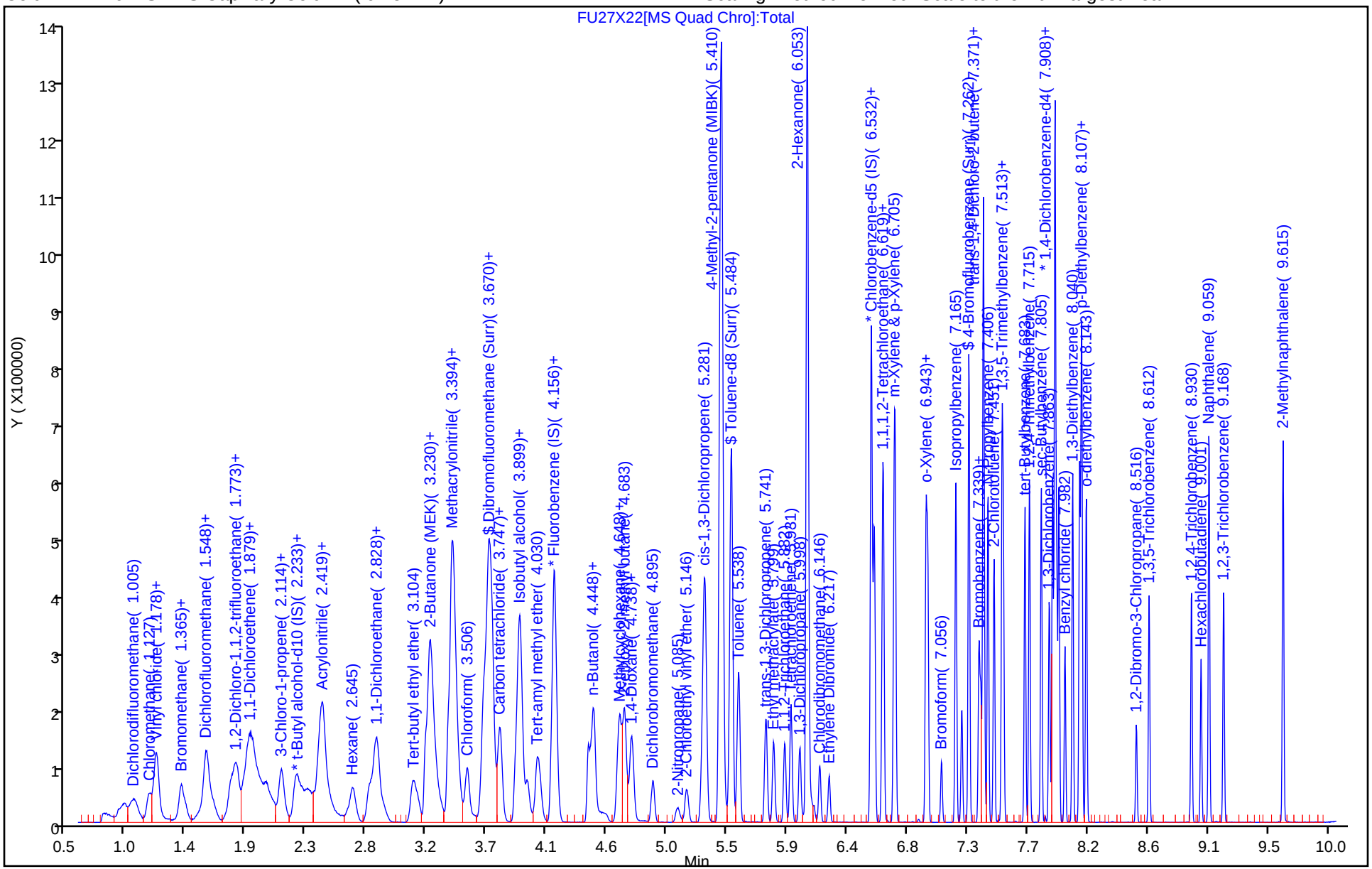
Lims ID: ICV Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 0

Method: MSVoa_15830_PT2 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

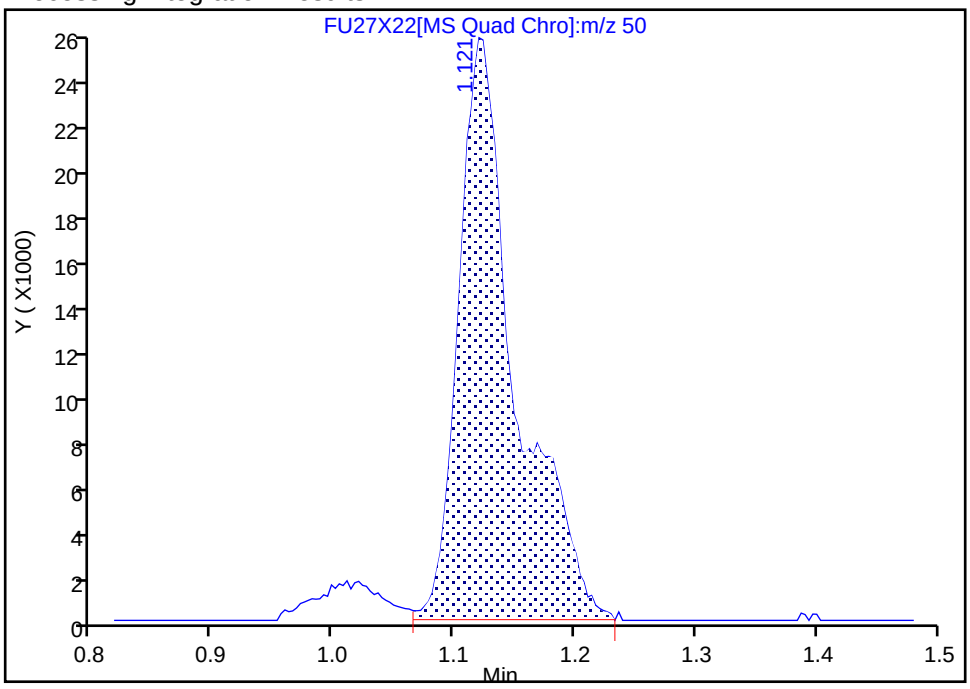
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X22.D
Injection Date: 27-Jun-2024 22:11:03 Instrument ID: 15830
Lims ID: ICV
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Chloromethane, CAS: 74-87-3

Signal: 1

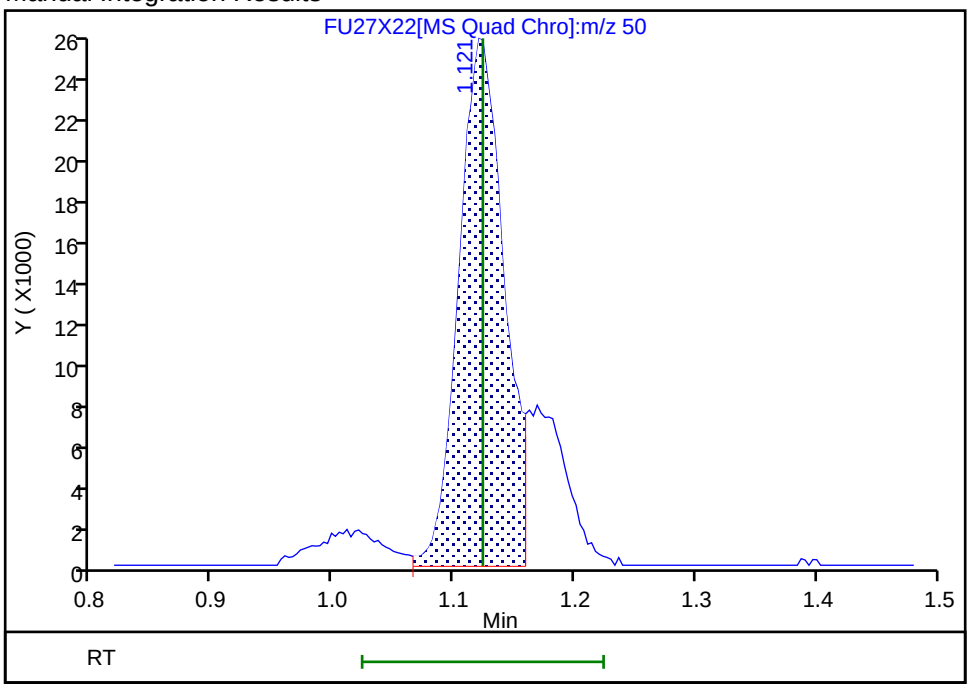
Processing Integration Results

RT: 1.12
Area: 82377
Amount: 22.962375
Amount Units: ug/l



Manual Integration Results

RT: 1.12
Area: 65910
Amount: 18.372241
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:50:42 -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

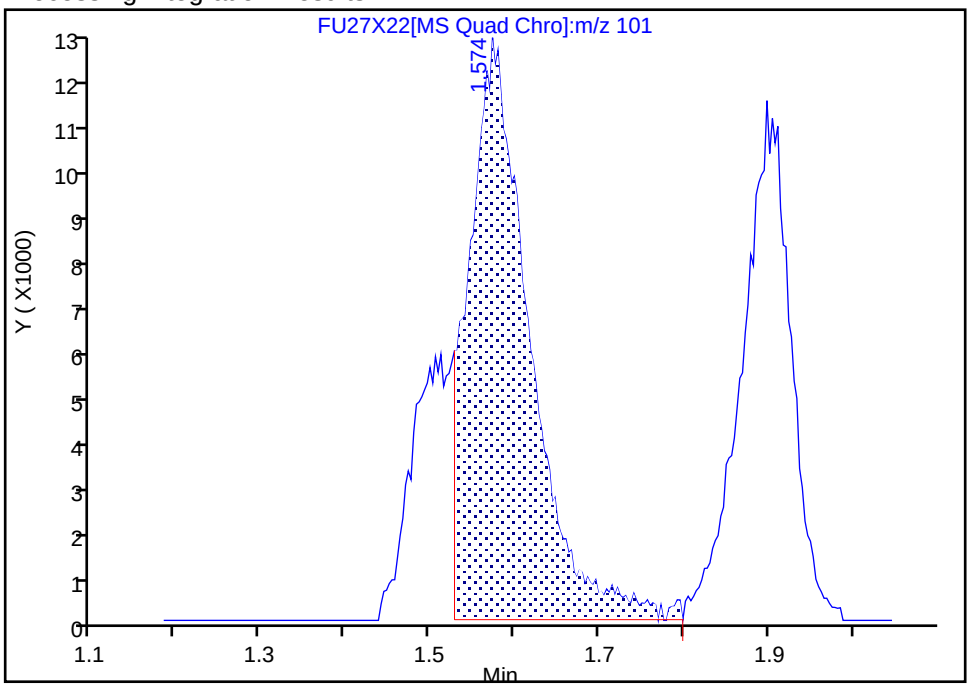
Data File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X22.D				
Injection Date:	27-Jun-2024 22:11:03	Instrument ID:	15830		
Lims ID:	ICV				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

7 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

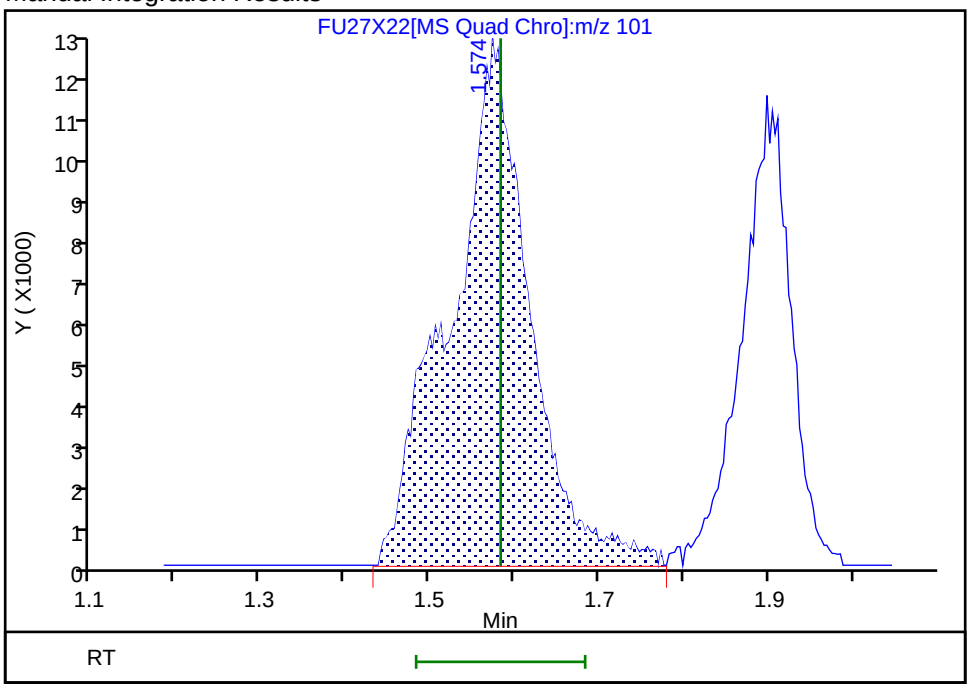
Processing Integration Results

RT: 1.57
Area: 60638
Amount: 15.238982
Amount Units: ug/l



Manual Integration Results

RT: 1.57
Area: 78011
Amount: 19.605003
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:50:50 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

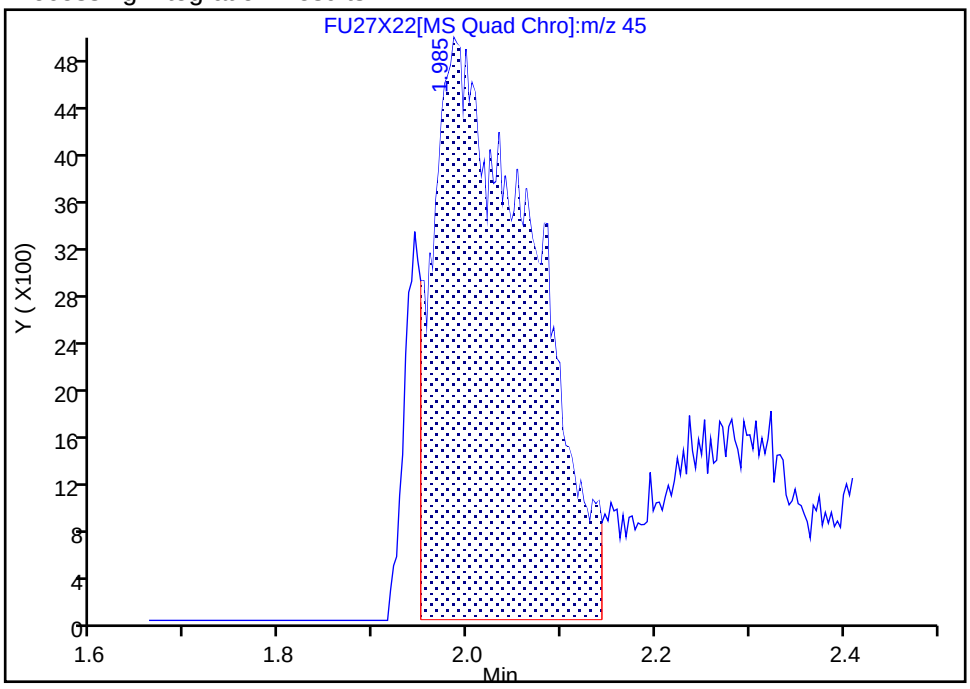
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X22.D
Injection Date: 27-Jun-2024 22:11:03 Instrument ID: 15830
Lims ID: ICV
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

15 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

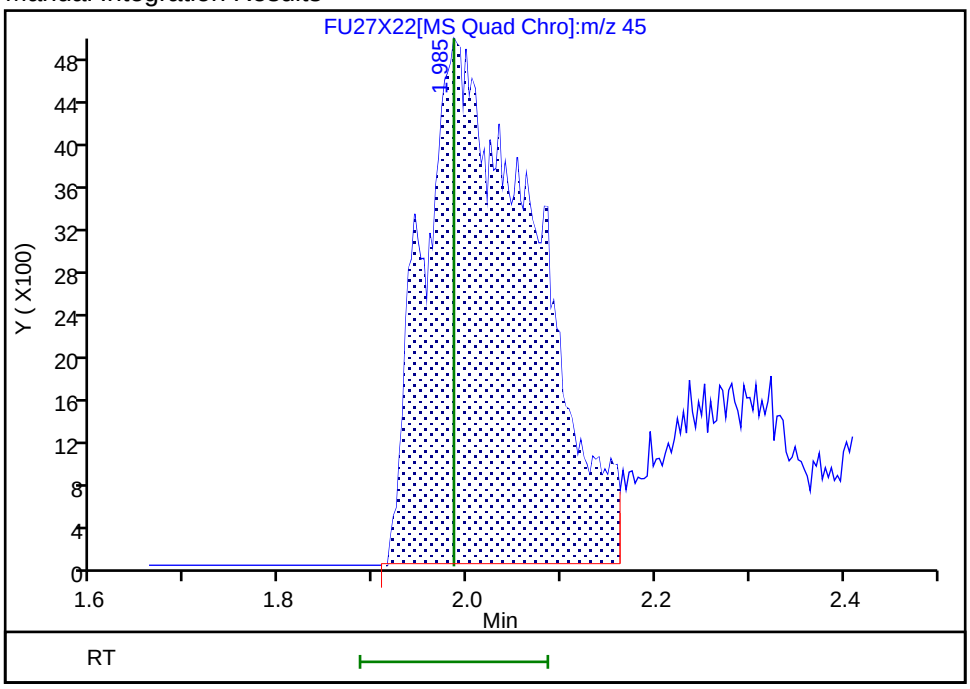
Processing Integration Results

RT: 1.99
Area: 36422
Amount: 105.7002
Amount Units: ug/l



Manual Integration Results

RT: 1.99
Area: 40771
Amount: 118.3214
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:51:06 -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

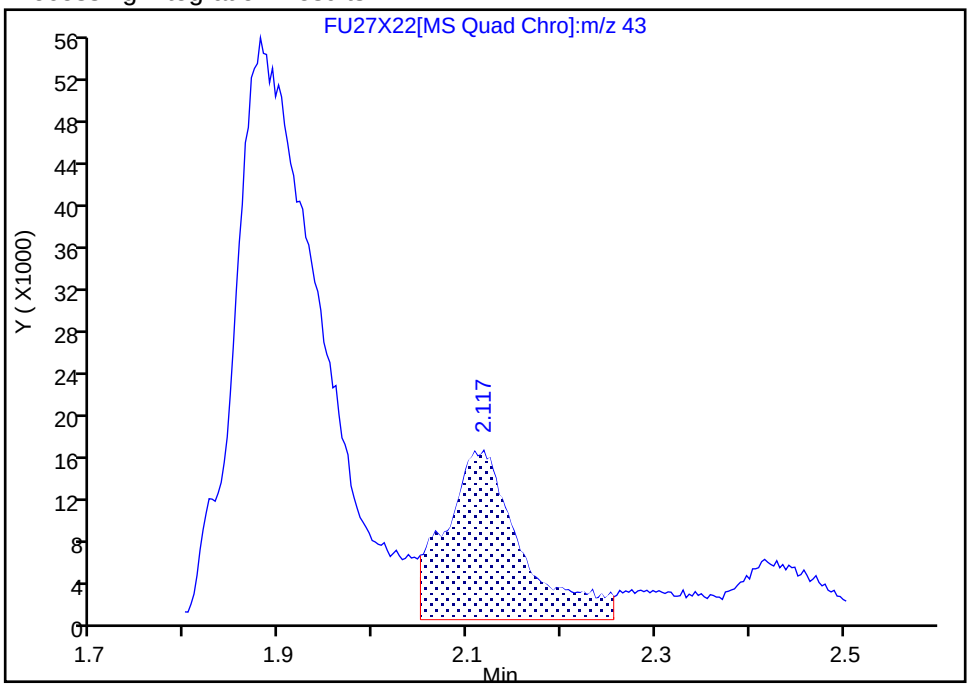
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X22.D
Injection Date: 27-Jun-2024 22:11:03 Instrument ID: 15830
Lims ID: ICV
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 Methyl acetate, CAS: 79-20-9

Signal: 1

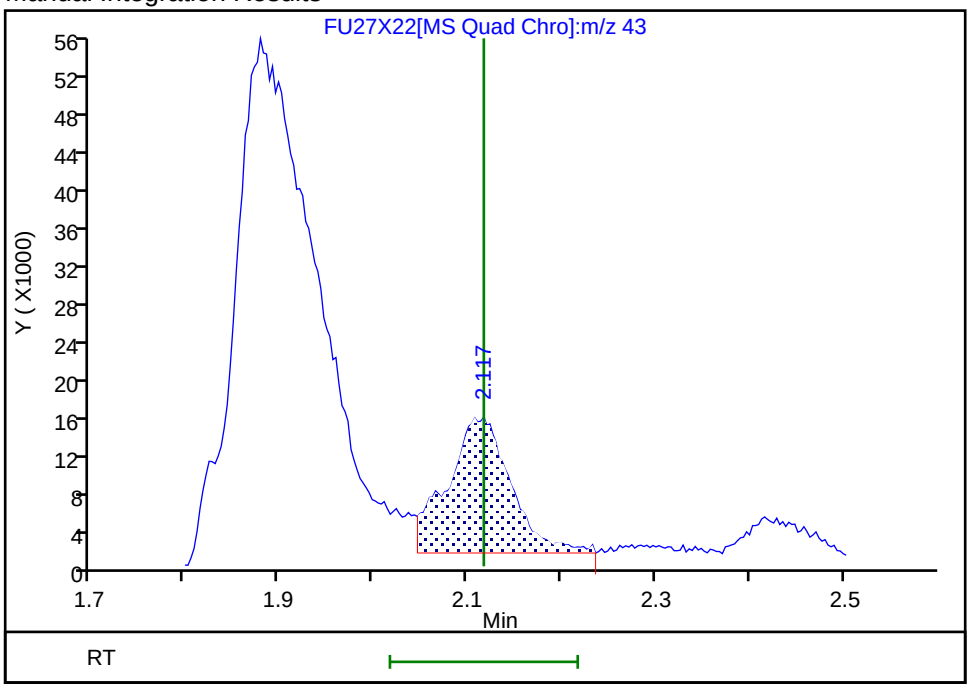
Processing Integration Results

RT: 2.12
Area: 90929
Amount: 29.766303
Amount Units: ug/l



Manual Integration Results

RT: 2.12
Area: 67693
Amount: 22.159821
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:51:36 -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

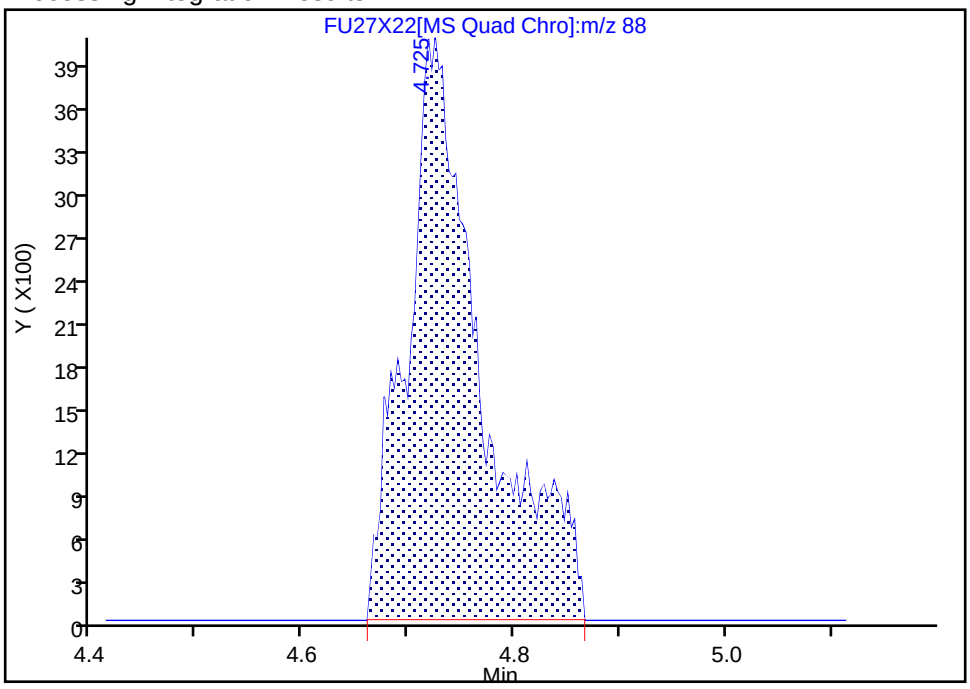
Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X22.D
Injection Date: 27-Jun-2024 22:11:03 Instrument ID: 15830
Lims ID: ICV
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

58 1,4-Dioxane, CAS: 123-91-1

Signal: 1

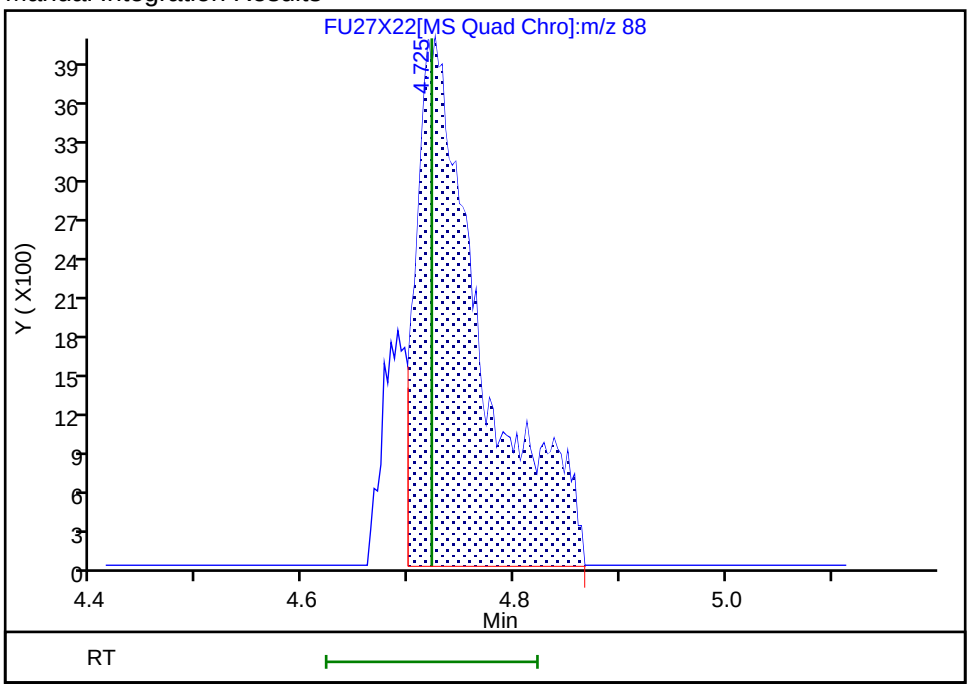
Processing Integration Results

RT: 4.72
Area: 20267
Amount: 607.9911
Amount Units: ug/l



Manual Integration Results

RT: 4.72
Area: 17615
Amount: 528.4336
Amount Units: ug/l



Reviewer: K4WN, 27-Jun-2024 22:51:53 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Lab Sample ID: CCVIS 410-559907/3 Calibration Date: 10/06/2024 21:14

Instrument ID: 15830 Calib Start Date: 06/27/2024 18:19

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/27/2024 21:13

Lab File ID: FC06X52.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	0.3902	0.3489	0.1000	44.7	50.0	-10.6	20.0
Chloromethane	Ave	0.4126	0.4414	0.1000	53.5	50.0	7.0	20.0
1,3-Butadiene	Ave	0.4343	0.5231		60.2	50.0	20.4*	20.0
Vinyl chloride	Ave	0.3773	0.3577	0.1000	47.4	50.0	-5.2	20.0
Bromomethane	Ave	0.2716	0.2549	0.1000	46.9	50.0	-6.1	20.0
Chloroethane	Ave	0.2250	0.2195	0.1000	48.8	50.0	-2.4	20.0
n-Pentane	Ave	0.4250	0.3964		46.6	50.0	-6.7	20.0
Dichlorofluoromethane	Ave	0.6121	0.6085		49.7	50.0	-0.6	20.0
Trichlorofluoromethane	Ave	0.4576	0.4501	0.1000	49.2	50.0	-1.6	20.0
Freon 123a	Ave	0.3227	0.3301		51.1	50.0	2.3	20.0
Acrolein	Ave	0.5997	0.7842		655	501	30.8*	20.0
1,1-Dichloroethene	Ave	0.2382	0.2206	0.1000	46.3	50.0	-7.4	20.0
Acetone	Ave	0.4991	0.4835	0.1000	96.9	100	-3.1	20.0
Freon 113	Ave	0.2749	0.2582	0.1000	47.0	50.0	-6.1	20.0
Methyl iodide	Ave	0.4709	0.4576		48.6	50.0	-2.8	20.0
2-Propanol	Ave	0.4182	0.3498		209	250	-16.4	20.0
Carbon disulfide	Ave	0.7557	0.7213	0.1000	47.7	50.0	-4.5	20.0
Methyl acetate	Ave	0.3513	0.3377	0.1000	48.1	50.0	-3.9	20.0
Allyl chloride	Ave	0.4331	0.3720		43.0	50.0	-14.1	20.0
Methylene Chloride	Ave	0.2749	0.2594	0.1000	47.2	50.0	-5.6	20.0
t-Butyl alcohol	Ave	0.9522	0.9311		244	250	-2.2	20.0
Acrylonitrile	Ave	0.1846	0.2030		137	125	10.0	20.0
trans-1,2-Dichloroethene	Ave	0.2553	0.2449	0.1000	48.0	50.0	-4.1	20.0
Methyl tert-butyl ether	Ave	0.7340	0.7824	0.1000	53.3	50.0	6.6	20.0
n-Hexane	Ave	0.3259	0.3155		48.4	50.0	-3.2	20.0
1,1-Dichloroethane	Ave	0.4332	0.4313	0.2000	49.8	50.0	-0.4	20.0
Isopropyl ether	Ave	0.7348	0.7470		50.8	50.0	1.7	20.0
2-Chloro-1,3-butadiene	Ave	0.3853	0.3696		48.0	50.0	-4.1	20.0
Ethyl t-butyl ether	Ave	0.7232	0.7715		53.3	50.0	6.7	20.0
cis-1,2-Dichloroethene	Ave	0.2734	0.2771	0.1000	50.7	50.0	1.4	20.0
2-Butanone (MEK)	Ave	0.2449	0.2502	0.1000	102	100	2.2	20.0
2,2-Dichloropropane	Ave	0.4010	0.3697		46.1	50.0	-7.8	20.0
Propionitrile	Ave	0.7897	0.8112		257	250	2.7	20.0
Methacrylonitrile	Ave	0.1636	0.1741		133	125	6.4	20.0
Bromochloromethane	Ave	0.1283	0.1379		53.7	50.0	7.4	20.0
Tetrahydrofuran	Ave	0.7278	0.7354		253	250	1.0	20.0
Chloroform	Ave	0.4463	0.4129	0.2000	46.3	50.0	-7.5	20.0
1,1,1-Trichloroethane	Ave	0.4057	0.3730	0.1000	46.0	50.0	-8.1	20.0
Cyclohexane	Ave	0.4881	0.4440	0.1000	45.5	50.0	-9.0	20.0
Carbon tetrachloride	Ave	0.3435	0.3162	0.1000	46.0	50.0	-7.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Lab Sample ID: CCVIS 410-559907/3 Calibration Date: 10/06/2024 21:14

Instrument ID: 15830 Calib Start Date: 06/27/2024 18:19

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/27/2024 21:13

Lab File ID: FC06X52.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	0.3289	0.3353		51.0	50.0	1.9	20.0
Isobutyl alcohol	Ave	0.2780	0.2225		500	625	-20.0	20.0
Benzene	Ave	0.9822	0.9673	0.5000	49.2	50.0	-1.5	20.0
1,2-Dichloroethane	Ave	0.3049	0.3119	0.1000	51.2	50.0	2.3	20.0
t-Amyl methyl ether	Ave	0.7060	0.7591		53.8	50.0	7.5	20.0
n-Heptane	Ave	0.2786	0.2275		40.8	50.0	-18.4	20.0
n-Butanol	Ave	0.2019	0.2027		627	625	0.4	20.0
Trichloroethene	Ave	0.2620	0.2394	0.2000	45.7	50.0	-8.6	20.0
Methylcyclohexane	Ave	0.4662	0.4294	0.1000	46.1	50.0	-7.9	20.0
1,2-Dichloropropane	Ave	0.2269	0.2285	0.1000	50.3	50.0	0.7	20.0
t-Amyl ethyl ether	Ave	0.3799	0.3779		49.7	50.0	-0.5	20.0
1,4-Dioxane	Ave	0.0405	0.0560	0.0050	866	625	38.5*	20.0
Methyl methacrylate	Ave	0.2222	0.2025		45.6	50.0	-8.9	20.0
Dibromomethane	Ave	0.1521	0.1482		48.7	50.0	-2.6	20.0
Bromodichloromethane	Ave	0.2844	0.2778	0.2000	48.8	50.0	-2.3	20.0
2-Nitropropane	Ave	1.195	0.9797		205	250	-18.0	20.0
2-Chloroethyl vinyl ether	Ave	0.1544	0.1410		45.7	50.0	-8.7	20.0
cis-1,3-Dichloropropene	Ave	0.3583	0.3254	0.2000	45.4	50.0	-9.2	20.0
4-Methyl-2-pentanone (MIBK)	Qua		0.4512	0.1000	100	100	0.4	20.0
Toluene	Ave	0.8417	0.8359	0.4000	49.7	50.0	-0.7	20.0
trans-1,3-Dichloropropene	Ave	0.4458	0.4235	0.1000	47.5	50.0	-5.0	20.0
Ethyl methacrylate	Ave	0.5031	0.5001		49.7	50.0	-0.6	20.0
1,1,2-Trichloroethane	Ave	0.2806	0.2934	0.1000	52.3	50.0	4.6	20.0
Tetrachloroethene	Ave	0.3751	0.3641	0.2000	48.5	50.0	-2.9	20.0
1,3-Dichloropropane	Ave	0.4560	0.4706		51.6	50.0	3.2	20.0
2-Hexanone	Ave	0.4405	0.4946	0.1000	112	100	12.3	20.0
Dibromochloromethane	Ave	0.3045	0.3152		51.8	50.0	3.5	20.0
1,2-Dibromoethane (EDB)	Ave	0.3064	0.3053	0.1000	49.8	50.0	-0.4	20.0
Chlorobenzene	Ave	0.9323	0.9003	0.5000	48.3	50.0	-3.4	20.0
1-Chlorohexane	Ave	0.4577	0.4242		46.3	50.0	-7.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3433	0.3697		53.8	50.0	7.7	20.0
Ethylbenzene	Ave	1.653	1.662	0.1000	50.3	50.0	0.6	20.0
m&p-Xylene	Ave	0.6570	0.6546	0.1000	99.6	100	-0.4	20.0
o-Xylene	Ave	0.6756	0.6972	0.3000	51.6	50.0	3.2	20.0
Styrene	Ave	1.013	1.025	0.3000	50.6	50.0	1.1	20.0
Bromoform	Ave	0.2359	0.2419	0.1000	51.3	50.0	2.6	20.0
Isopropylbenzene	Ave	1.670	1.675	0.1000	50.2	50.0	0.3	20.0
Bromobenzene	Ave	0.6889	0.6850		49.7	50.0	-0.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9071	0.9814	0.3000	54.1	50.0	8.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2777	0.1348		60.7	125	-51.4*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Lab Sample ID: CCVIS 410-559907/3 Calibration Date: 10/06/2024 21:14

Instrument ID: 15830 Calib Start Date: 06/27/2024 18:19

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/27/2024 21:13

Lab File ID: FC06X52.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	0.2993	0.3176		53.1	50.0	6.1	20.0
N-Propylbenzene	Ave	3.376	3.484		51.6	50.0	3.2	20.0
2-Chlorotoluene	Ave	0.7155	0.7015		49.0	50.0	-2.0	20.0
1,3,5-Trimethylbenzene	Ave	2.548	2.613		51.3	50.0	2.6	20.0
4-Chlorotoluene	Ave	0.6802	0.6509		47.8	50.0	-4.3	20.0
tert-Butylbenzene	Ave	0.5171	0.5210		50.4	50.0	0.7	20.0
1,2,4-Trimethylbenzene	Ave	2.545	2.614		51.4	50.0	2.7	20.0
sec-Butylbenzene	Ave	3.073	3.127		50.9	50.0	1.8	20.0
1,3-Dichlorobenzene	Ave	1.297	1.319	0.6000	50.8	50.0	1.7	20.0
p-Isopropyltoluene	Ave	2.709	2.717		50.1	50.0	0.3	20.0
1,4-Dichlorobenzene	Ave	1.302	1.315	0.5000	50.5	50.0	1.0	20.0
1,2,3-Trimethylbenzene	Ave	2.622	2.754		52.5	50.0	5.1	20.0
Benzyl chloride	Ave	1.809	1.784		49.3	50.0	-1.4	20.0
1,3-Diethylbenzene	Ave	1.523	1.525		50.1	50.0	0.1	20.0
1,4-Diethylbenzene	Ave	1.582	1.564		49.4	50.0	-1.1	20.0
n-Butylbenzene	Ave	1.217	1.210		49.7	50.0	-0.6	20.0
1,2-Dichlorobenzene	Ave	1.323	1.342	0.4000	50.7	50.0	1.5	20.0
1,2-Diethylbenzene	Ave	1.279	1.309		51.2	50.0	2.3	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.3257	0.3239	0.0500	49.7	50.0	-0.6	20.0
1,3,5-Trichlorobenzene	Ave	0.9051	0.9277		51.2	50.0	2.5	20.0
1,2,4-Trichlorobenzene	Ave	0.9191	0.9282	0.2000	50.5	50.0	1.0	20.0
Hexachlorobutadiene	Ave	0.3412	0.3172		46.5	50.0	-7.0	20.0
Naphthalene	Ave	3.923	4.116		52.5	50.0	4.9	20.0
1,2,3-Trichlorobenzene	Ave	0.9285	0.9500		51.2	50.0	2.3	20.0
2-Methylnaphthalene	Ave	2.154	2.123		49.3	50.0	-1.4	20.0
Dibromofluoromethane (Surr)	Ave	0.2507	0.2568		51.2	50.0	2.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0643	0.0688		53.5	50.0	7.0	20.0
Toluene-d8 (Surr)	Ave	1.327	1.381		52.0	50.0	4.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4884	0.4861		49.8	50.0	-0.5	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X52.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Oct-2024 21:14:10 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 410-0126925-003
Operator ID: gaw91131 Instrument ID: 15830
Sublist: chrom-MSVoa_15830_PT2*sub10

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:09:05 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1635

First Level Reviewer: JS6E Date: 06-Oct-2024 21:45:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.031	1.031	0.000	99	132472	50.0	44.7	
2 Chloromethane	50	1.143	1.143	0.000	98	167607	50.0	53.5	M
3 Vinyl chloride	62	1.201	1.201	0.000	97	135827	50.0	47.4	
4 Butadiene	39	1.201	1.201	0.000	93	198638	50.0	60.2	
5 Bromomethane	94	1.387	1.387	0.000	90	96792	50.0	46.9	
6 Chloroethane	64	1.410	1.410	0.000	100	83359	50.0	48.8	
8 Pentane	43	1.564	1.564	0.000	98	150531	50.0	46.6	
16 Dichlorofluoromethane	67	1.574	1.574	0.000	99	231071	50.0	49.7	
7 Trichlorofluoromethane	101	1.596	1.596	0.000	97	170922	50.0	49.2	M
22 1,2-Dichloro-1,1,2-trifluoroetha	67	1.786	1.786	0.000	69	125323	50.0	51.1	
9 Acrolein	56	1.789	1.789	0.000	100	323627	501.1	655.2	
10 1,1-Dichloroethene	96	1.854	1.854	0.000	97	83759	50.0	46.3	
11 Acetone	58	1.889	1.889	0.000	100	39822	100.0	96.9	
12 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.915	1.915	0.000	91	98043	50.0	47.0	
13 Iodomethane	142	1.992	1.992	0.000	98	173753	50.0	48.6	
15 Isopropyl alcohol	45	2.011	2.011	0.000	96	72027	250.0	209.1	M
14 Carbon disulfide	76	2.014	2.014	0.000	99	273895	50.0	47.7	
18 Methyl acetate	43	2.121	2.121	0.000	56	128223	50.0	48.1	M
17 3-Chloro-1-propene	41	2.127	2.127	0.000	89	141268	50.0	43.0	
19 Methylene Chloride	84	2.233	2.233	0.000	92	98502	50.0	47.2	
* 20 t-Butyl alcohol-d10 (IS)	65	2.297	2.297	0.000	92	205911	250.0	250.0	
21 2-Methyl-2-propanol	59	2.368	2.368	0.000	95	191729	250.0	244.5	
23 Acrylonitrile	53	2.413	2.413	0.000	100	192723	125.0	137.5	
24 trans-1,2-Dichloroethene	96	2.429	2.429	0.000	99	92996	50.0	48.0	
25 Methyl tert-butyl ether	73	2.439	2.439	0.000	97	297090	50.0	53.3	
26 Hexane	57	2.651	2.651	0.000	92	119799	50.0	48.4	
27 1,1-Dichloroethane	63	2.776	2.776	0.000	96	163782	50.0	49.8	
28 Isopropyl ether	45	2.822	2.822	0.000	93	283659	50.0	50.8	
29 2-Chloro-1,3-butadiene	53	2.831	2.831	0.000	92	140336	50.0	48.0	
30 Tert-butyl ethyl ether	59	3.104	3.104	0.000	99	292951	50.0	53.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 cis-1,2-Dichloroethene	96	3.230	3.230	0.000	81	105211	50.0	50.7	
32 2-Butanone (MEK)	43	3.236	3.236	0.000	99	190012	100.0	102.2	M
33 2,2-Dichloropropane	77	3.240	3.240	0.000	88	140382	50.0	46.1	
34 Propionitrile	54	3.281	3.281	0.000	99	167032	250.0	256.8	M
35 Methacrylonitrile	67	3.397	3.397	0.000	94	165263	125.0	133.0	M
36 Chlorobromomethane	128	3.416	3.416	0.000	96	52354	50.0	53.7	
37 Tetrahydrofuran	71	3.432	3.432	0.000	84	151419	250.0	252.6	M
39 Chloroform	83	3.506	3.506	0.000	93	156789	50.0	46.3	
40 1,1,1-Trichloroethane	97	3.632	3.632	0.000	88	141640	50.0	46.0	
$ 41 Dibromofluoromethane (Surr)	113	3.632	3.632	0.000	94	97503	50.0	51.2	
42 Cyclohexane	56	3.693	3.693	0.000	88	168605	50.0	45.5	
43 Carbon tetrachloride	117	3.751	3.751	0.000	95	120076	50.0	46.0	
44 1,1-Dichloropropene	75	3.757	3.757	0.000	97	127312	50.0	51.0	
45 Isobutyl alcohol	41	3.895	3.895	0.000	95	114562	625.0	500.2	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.899	3.899	0.000	78	26123	50.0	53.5	
47 Benzene	78	3.908	3.908	0.000	97	367301	50.0	49.2	
48 1,2-Dichloroethane	62	3.960	3.960	0.000	97	118425	50.0	51.2	
49 Tert-amyl methyl ether	73	4.037	4.037	0.000	98	288234	50.0	53.8	
* 50 Fluorobenzene (IS)	96	4.162	4.162	0.000	99	379708	50.0	50.0	
51 n-Heptane	43	4.175	4.175	0.000	88	86369	50.0	40.8	
52 n-Butanol	56	4.413	4.413	0.000	87	104365	625.0	627.5	
53 Trichloroethene	95	4.455	4.455	0.000	97	90903	50.0	45.7	
54 Methylcyclohexane	83	4.645	4.645	0.000	91	163041	50.0	46.1	
55 1,2-Dichloropropane	63	4.667	4.667	0.000	97	86751	50.0	50.3	
56 2-ethoxy-2-methyl butane	87	4.686	4.686	0.000	94	143506	50.0	49.7	
58 1,4-Dioxane	88	4.712	4.712	0.000	87	28845	625.0	865.7	M
59 Methyl methacrylate	69	4.731	4.731	0.000	90	76884	50.0	45.6	
57 Dibromomethane	93	4.738	4.738	0.000	92	56256	50.0	48.7	
60 Dichlorobromomethane	83	4.899	4.899	0.000	99	105490	50.0	48.8	
61 2-Nitropropane	41	5.075	5.075	0.000	97	201731	250.0	204.9	
62 2-Chloroethyl vinyl ether	63	5.143	5.143	0.000	92	53548	50.0	45.7	
63 cis-1,3-Dichloropropene	75	5.262	5.262	0.000	97	123544	50.0	45.4	
64 4-Methyl-2-pentanone (MIBK)	43	5.407	5.407	0.000	96	342652	100.0	100.4	
$ 65 Toluene-d8 (Surr)	98	5.481	5.481	0.000	92	334927	50.0	52.0	
66 Toluene	92	5.535	5.535	0.000	98	202783	50.0	49.7	
67 trans-1,3-Dichloropropene	75	5.738	5.738	0.000	92	102745	50.0	47.5	
68 Ethyl methacrylate	69	5.799	5.799	0.000	89	121328	50.0	49.7	
69 1,1,2-Trichloroethane	97	5.879	5.879	0.000	91	71185	50.0	52.3	
70 Tetrachloroethene	166	5.931	5.931	0.000	96	88336	50.0	48.5	
71 1,3-Dichloropropane	76	5.995	5.995	0.000	89	114165	50.0	51.6	
73 2-Hexanone	43	6.050	6.050	0.000	96	239940	100.0	112.3	
74 Chlorodibromomethane	129	6.143	6.143	0.000	90	76472	50.0	51.8	
75 Ethylene Dibromide	107	6.214	6.214	0.000	98	74066	50.0	49.8	
* 76 Chlorobenzene-d5 (IS)	117	6.532	6.532	0.000	84	242584	50.0	50.0	
77 Chlorobenzene	112	6.551	6.551	0.000	96	218395	50.0	48.3	
78 1-Chlorohexane	91	6.558	6.558	0.000	96	102898	50.0	46.3	
79 1,1,1,2-Tetrachloroethane	131	6.616	6.616	0.000	96	89674	50.0	53.8	
80 Ethylbenzene	91	6.622	6.622	0.000	98	403144	50.0	50.3	
81 m-Xylene & p-Xylene	106	6.706	6.706	0.000	99	317574	100.0	99.6	
82 o-Xylene	106	6.944	6.944	0.000	96	169129	50.0	51.6	
83 Styrene	104	6.956	6.956	0.000	95	248599	50.0	50.6	
84 Bromoform	173	7.056	7.056	0.000	98	58679	50.0	51.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Isopropylbenzene	105	7.165	7.165	0.000	95	406317	50.0	50.2	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	92	117919	50.0	49.8	
87 Bromobenzene	156	7.339	7.339	0.000	89	95161	50.0	49.7	
88 1,1,2,2-Tetrachloroethane	83	7.352	7.352	0.000	93	136335	50.0	54.1	
89 trans-1,4-Dichloro-2-butene	53	7.371	7.371	0.000	91	46829	125.0	60.7	
90 1,2,3-Trichloropropane	110	7.378	7.378	0.000	84	44119	50.0	53.1	
91 N-Propylbenzene	91	7.407	7.407	0.000	99	483947	50.0	51.6	
92 2-Chlorotoluene	126	7.452	7.452	0.000	97	97451	50.0	49.0	
93 1,3,5-Trimethylbenzene	105	7.513	7.513	0.000	94	363051	50.0	51.3	
94 4-Chlorotoluene	126	7.522	7.522	0.000	98	90427	50.0	47.8	
95 tert-Butylbenzene	134	7.683	7.683	0.000	92	72379	50.0	50.4	
96 1,2,4-Trimethylbenzene	105	7.715	7.715	0.000	97	363196	50.0	51.4	
97 sec-Butylbenzene	105	7.805	7.805	0.000	93	434412	50.0	50.9	
98 1,3-Dichlorobenzene	146	7.863	7.863	0.000	98	183259	50.0	50.8	
99 4-Isopropyltoluene	119	7.889	7.889	0.000	97	377434	50.0	50.1	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	93	138920	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.921	7.921	0.000	96	182708	50.0	50.5	
102 1,2,3-Trimethylbenzene	105	7.937	7.937	0.000	97	382580	50.0	52.5	
103 Benzyl chloride	91	7.982	7.982	0.000	98	247863	50.0	49.3	
104 1,3-Diethylbenzene	119	8.040	8.040	0.000	96	211795	50.0	50.1	
105 p-Diethylbenzene	119	8.091	8.091	0.000	94	217311	50.0	49.4	
106 n-Butylbenzene	92	8.104	8.104	0.000	98	168078	50.0	49.7	
107 1,2-Dichlorobenzene	146	8.111	8.111	0.000	98	186431	50.0	50.7	
108 o-diethylbenzene	119	8.143	8.143	0.000	95	181866	50.0	51.2	
109 1,2-Dibromo-3-Chloropropane	75	8.516	8.516	0.000	89	44995	50.0	49.7	
110 1,3,5-Trichlorobenzene	180	8.612	8.612	0.000	97	128871	50.0	51.2	
111 1,2,4-Trichlorobenzene	180	8.931	8.931	0.000	94	128948	50.0	50.5	
112 Hexachlorobutadiene	225	9.005	9.005	0.000	95	44071	50.0	46.5	
113 Naphthalene	128	9.062	9.062	0.000	97	571822	50.0	52.5	
114 1,2,3-Trichlorobenzene	180	9.172	9.172	0.000	95	131968	50.0	51.2	
115 2-Methylnaphthalene	142	9.619	9.619	0.000	93	294958	50.0	49.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00203	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#3_00200	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00195	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_00869	Amount Added:	2.50	Units: uL	
MSV_Cent_ISSS_00031	Amount Added:	5.00	Units: uL	Run Reagent

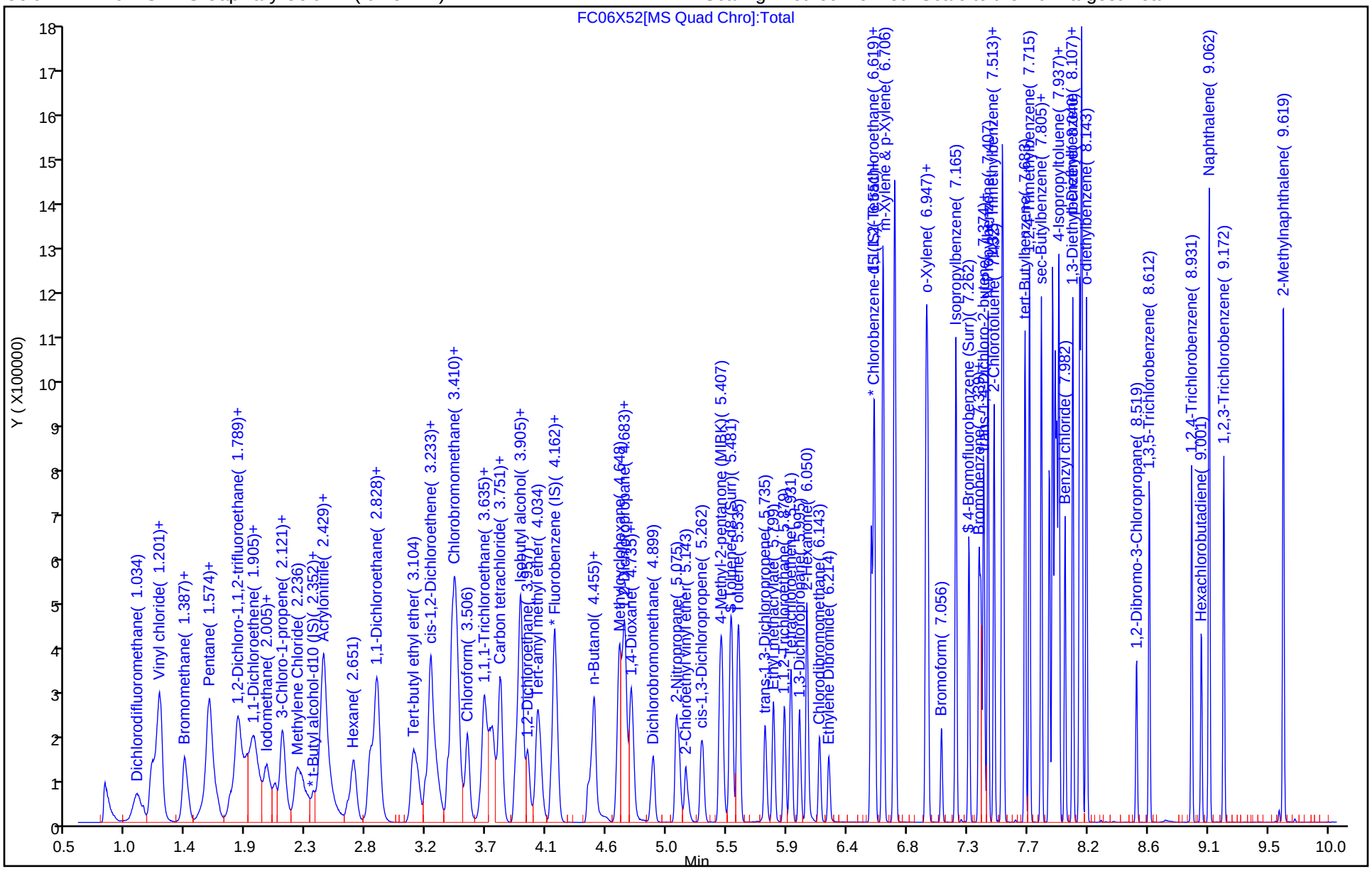
Report Date: 07-Oct-2024 15:09:06 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X52.D

Injection Date:	06-Oct-2024 21:14:10	Instrument ID:	15830	Operator ID:	gaw91131
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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

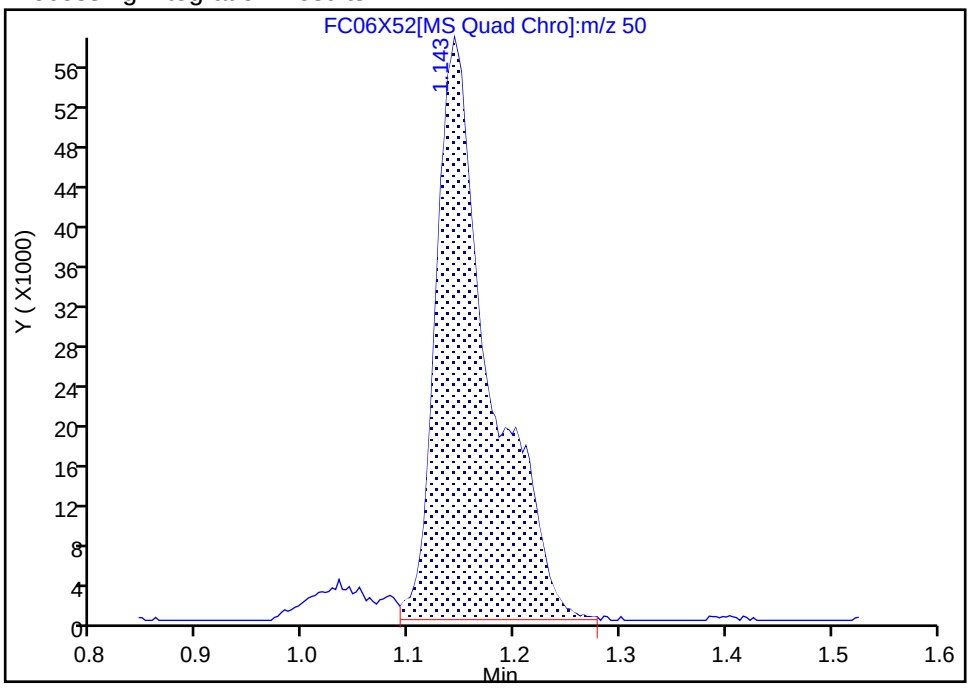
Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X52.D
Injection Date: 06-Oct-2024 21:14:10 Instrument ID: 15830
Lims ID: CCVIS
Client ID:
Operator ID: gaw91131 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Chloromethane, CAS: 74-87-3

Signal: 1

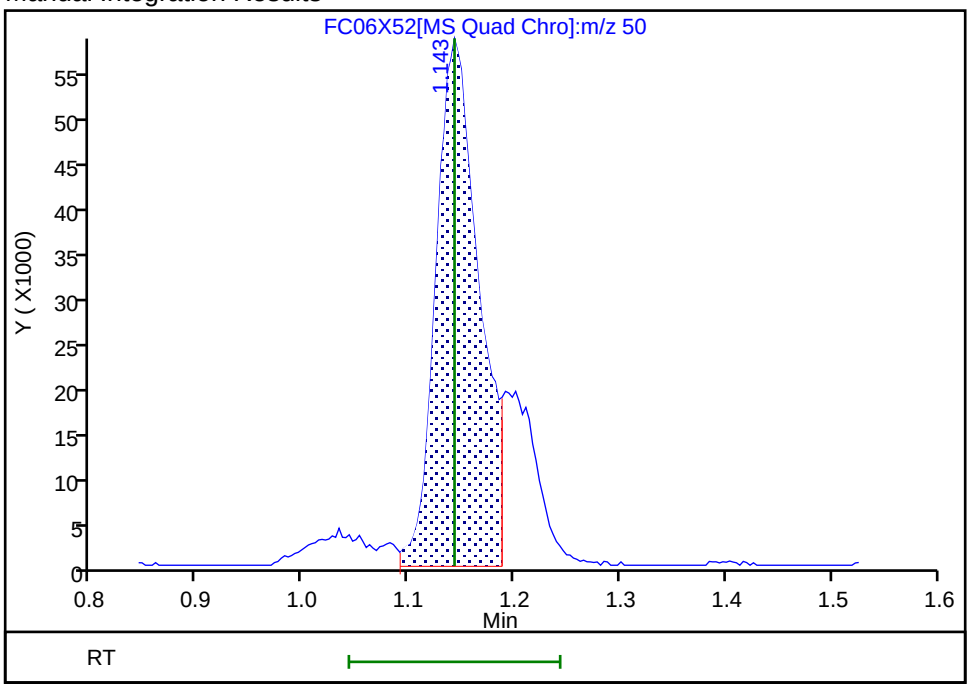
Processing Integration Results

RT: 1.14
Area: 209019
Amount: 66.711149
Amount Units: ug/l



Manual Integration Results

RT: 1.14
Area: 167607
Amount: 53.493967
Amount Units: ug/l



Reviewer: UKEK, 07-Oct-2024 15:08:03 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

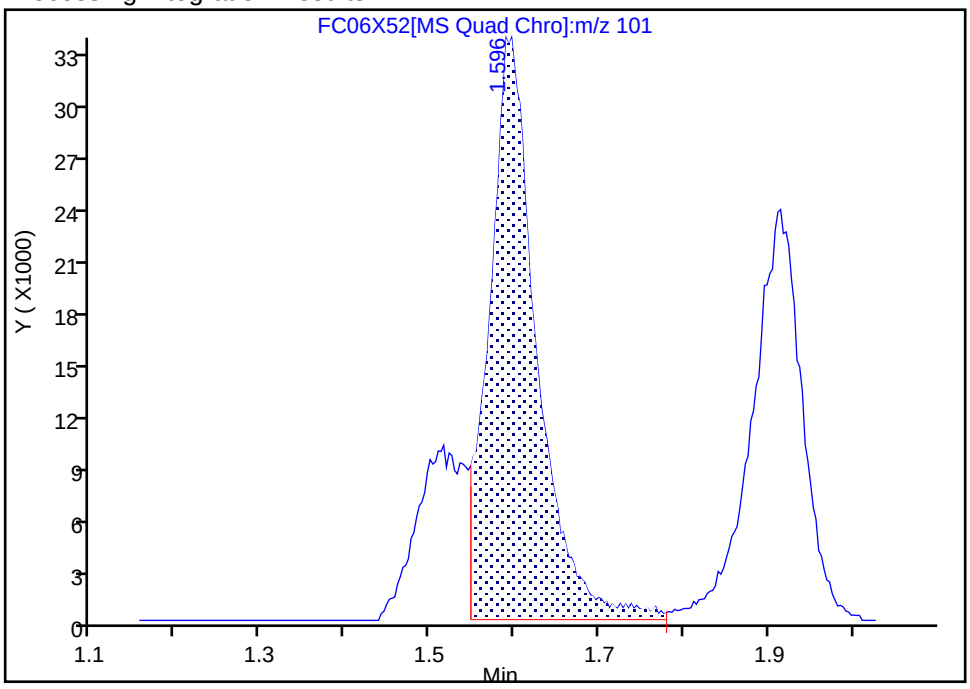
Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X52.D				
Injection Date:	06-Oct-2024 21:14:10	Instrument ID:	15830		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

7 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

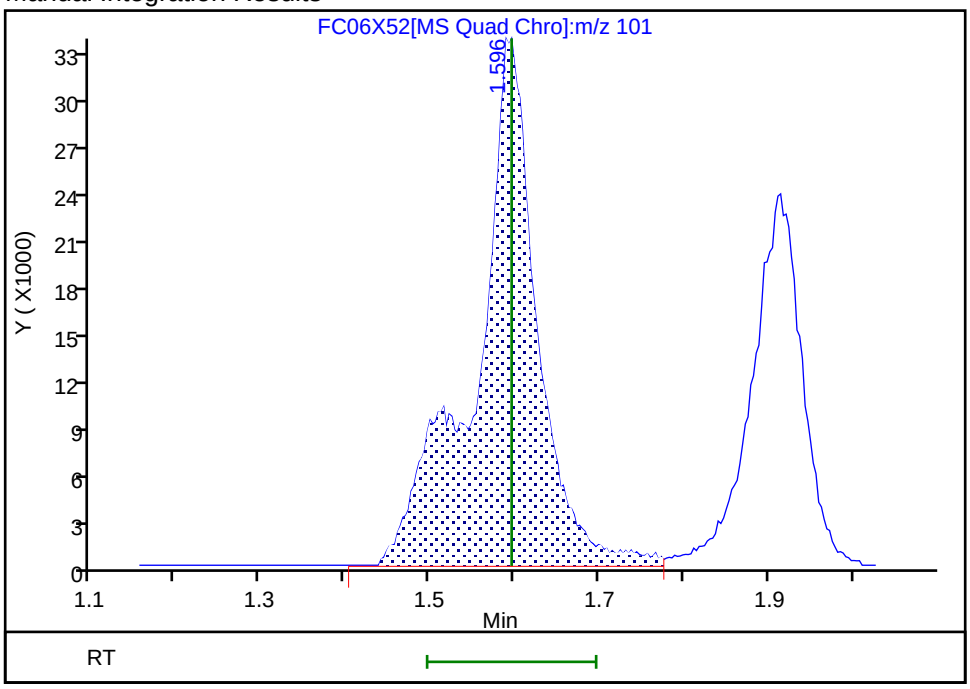
Processing Integration Results

RT: 1.60
Area: 131916
Amount: 37.958617
Amount Units: ug/l



Manual Integration Results

RT: 1.60
Area: 170922
Amount: 49.182531
Amount Units: ug/l



Reviewer: JS6E, 06-Oct-2024 21:42:28 -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

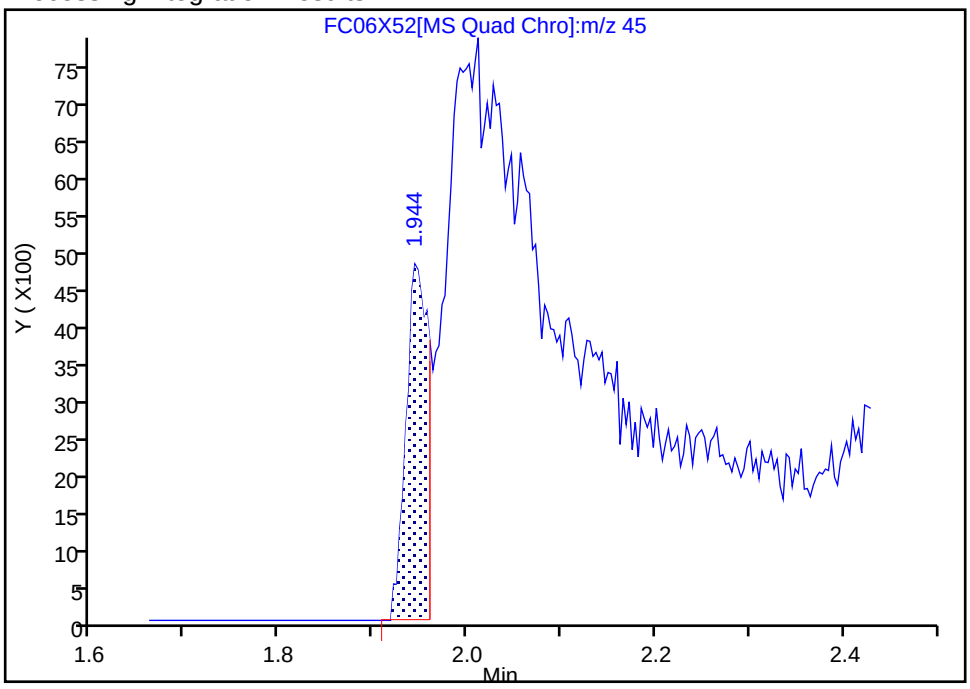
Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X52.D
Injection Date: 06-Oct-2024 21:14:10 Instrument ID: 15830
Lims ID: CCVIS
Client ID:
Operator ID: gaw91131 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

15 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

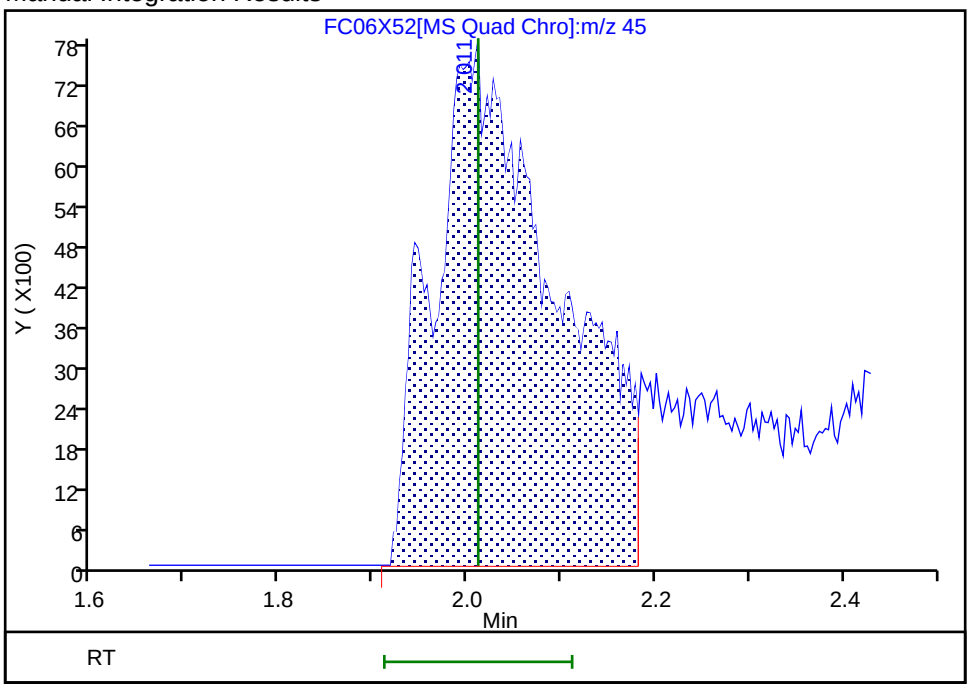
Processing Integration Results

RT: 1.94
Area: 7751
Amount: 22.502898
Amount Units: ug/l



Manual Integration Results

RT: 2.01
Area: 72027
Amount: 209.1106
Amount Units: ug/l



Reviewer: JS6E, 06-Oct-2024 21:42:48 -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

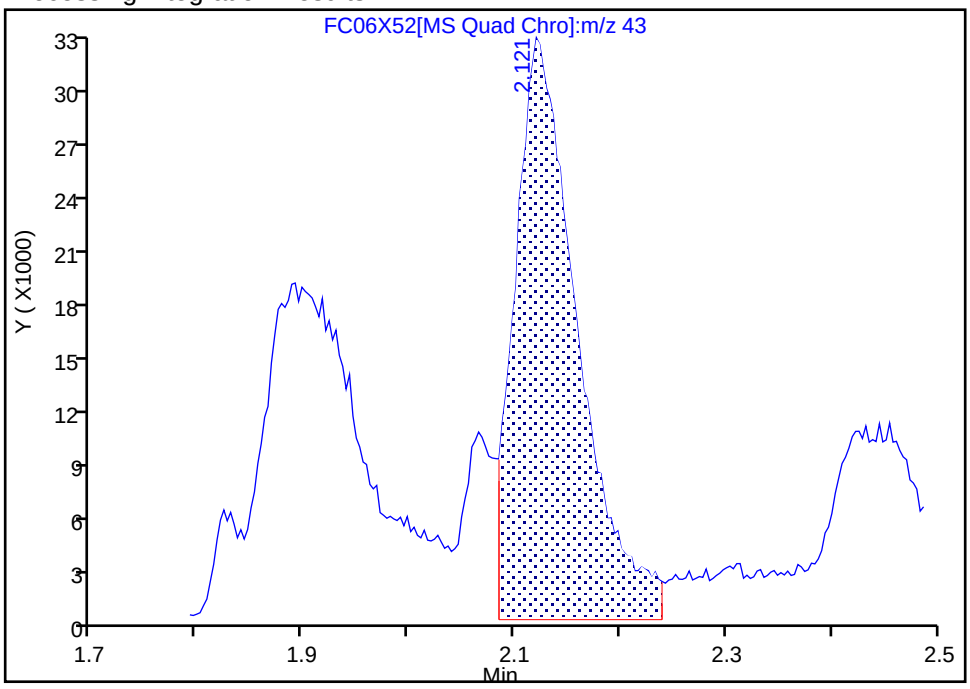
Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X52.D
Injection Date: 06-Oct-2024 21:14:10 Instrument ID: 15830
Lims ID: CCVIS
Client ID:
Operator ID: gaw91131 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 Methyl acetate, CAS: 79-20-9

Signal: 1

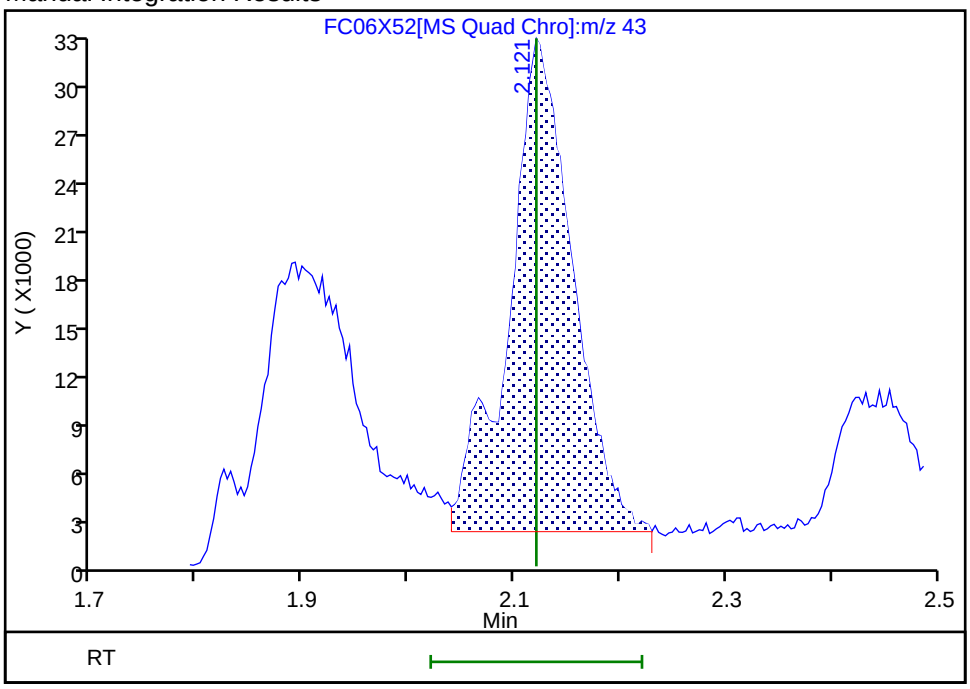
Processing Integration Results

RT: 2.12
Area: 135900
Amount: 50.938221
Amount Units: ug/l



Manual Integration Results

RT: 2.12
Area: 128223
Amount: 48.060717
Amount Units: ug/l



Reviewer: JS6E, 06-Oct-2024 21:43:09 -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

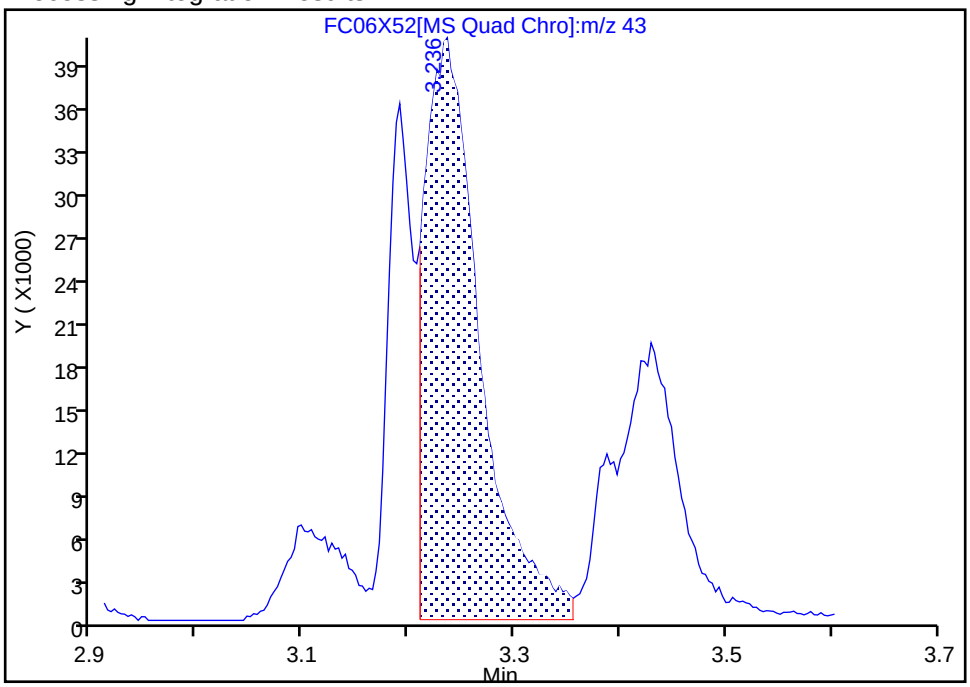
Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X52.D
Injection Date: 06-Oct-2024 21:14:10 Instrument ID: 15830
Lims ID: CCVIS
Client ID:
Operator ID: gaw91131 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

32 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

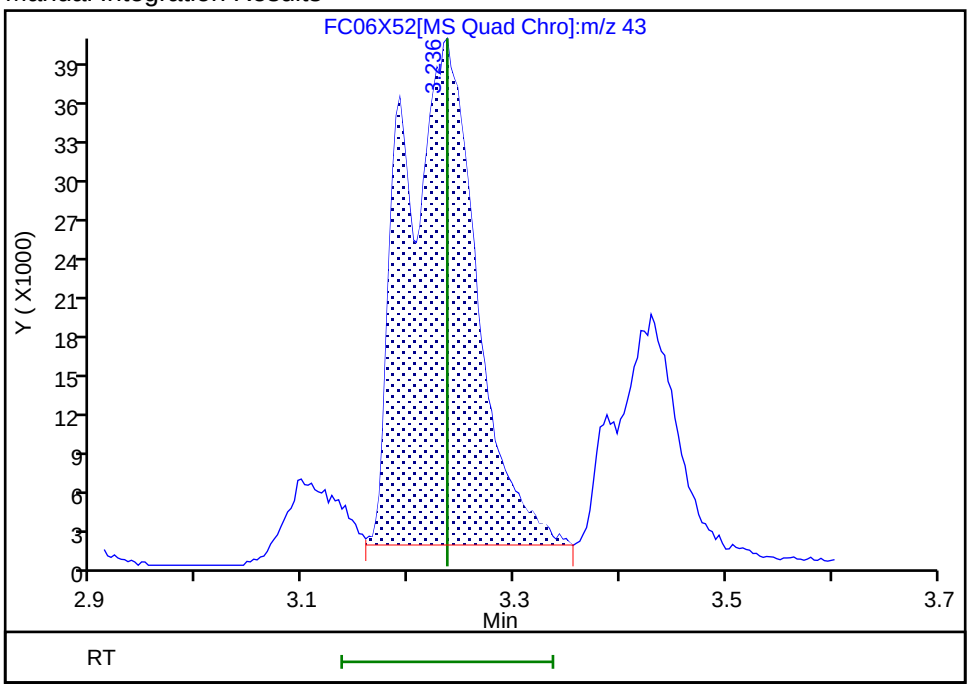
Processing Integration Results

RT: 3.24
Area: 147482
Amount: 79.303260
Amount Units: ug/l



Manual Integration Results

RT: 3.24
Area: 190012
Amount: 102.1723
Amount Units: ug/l



Reviewer: JS6E, 06-Oct-2024 21:43:48 -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

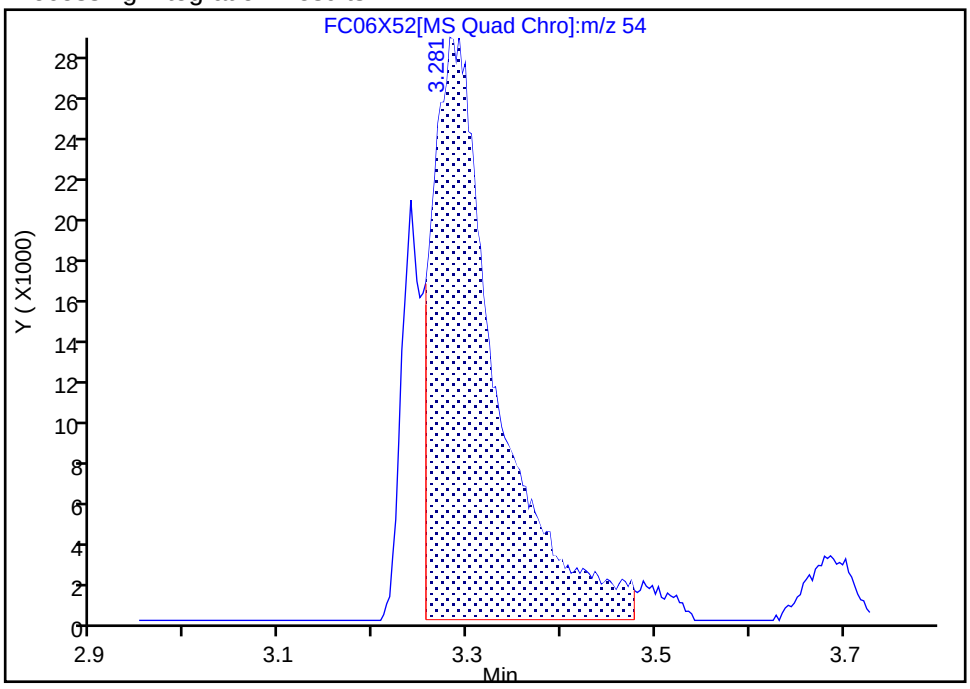
Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X52.D
Injection Date: 06-Oct-2024 21:14:10 Instrument ID: 15830
Lims ID: CCVIS
Client ID:
Operator ID: gaw91131 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

34 Propionitrile, CAS: 107-12-0

Signal: 1

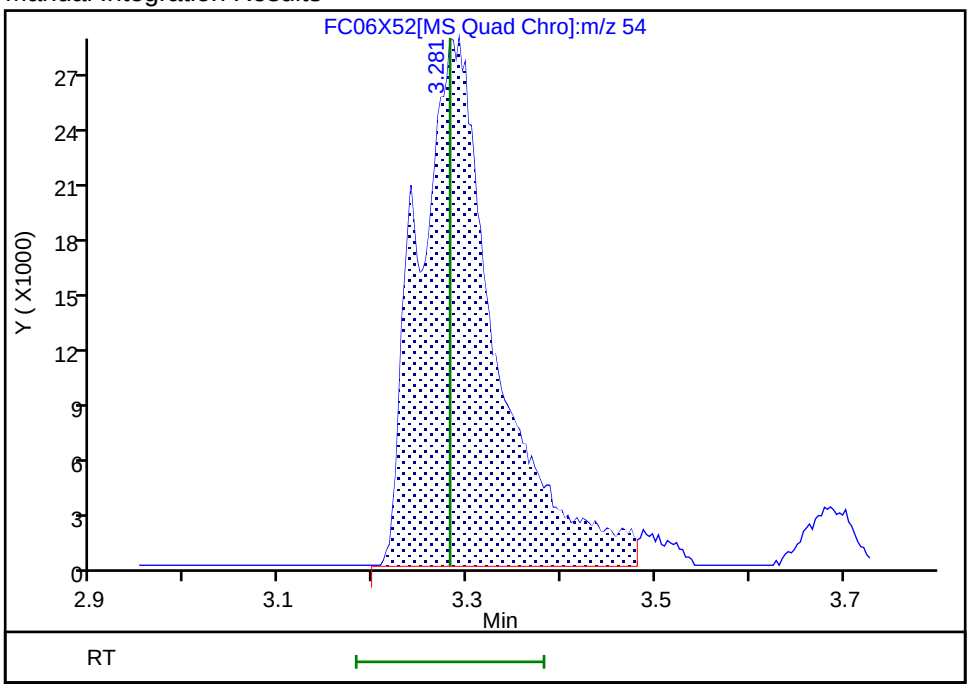
Processing Integration Results

RT: 3.28
Area: 136823
Amount: 210.3601
Amount Units: ug/l



Manual Integration Results

RT: 3.28
Area: 167032
Amount: 256.8053
Amount Units: ug/l



Reviewer: JS6E, 06-Oct-2024 21:44:16 -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

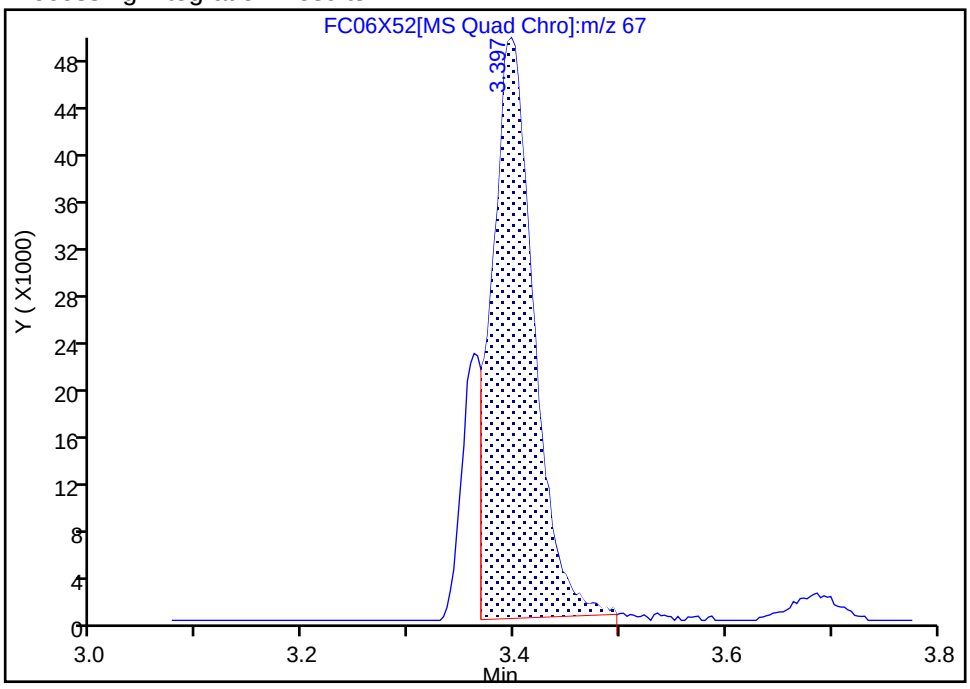
Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X52.D
Injection Date: 06-Oct-2024 21:14:10 Instrument ID: 15830
Lims ID: CCVIS
Client ID:
Operator ID: gaw91131 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

35 Methacrylonitrile, CAS: 126-98-7

Signal: 1

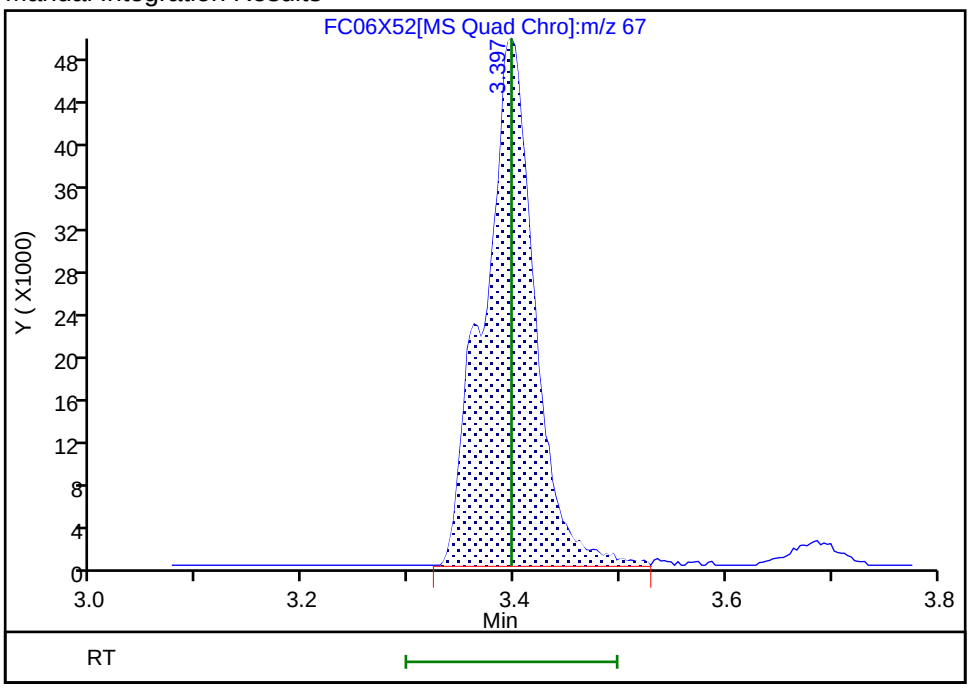
Processing Integration Results

RT: 3.40
Area: 137051
Amount: 110.3255
Amount Units: ug/l



Manual Integration Results

RT: 3.40
Area: 165263
Amount: 133.0360
Amount Units: ug/l



Reviewer: JS6E, 06-Oct-2024 21:44:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

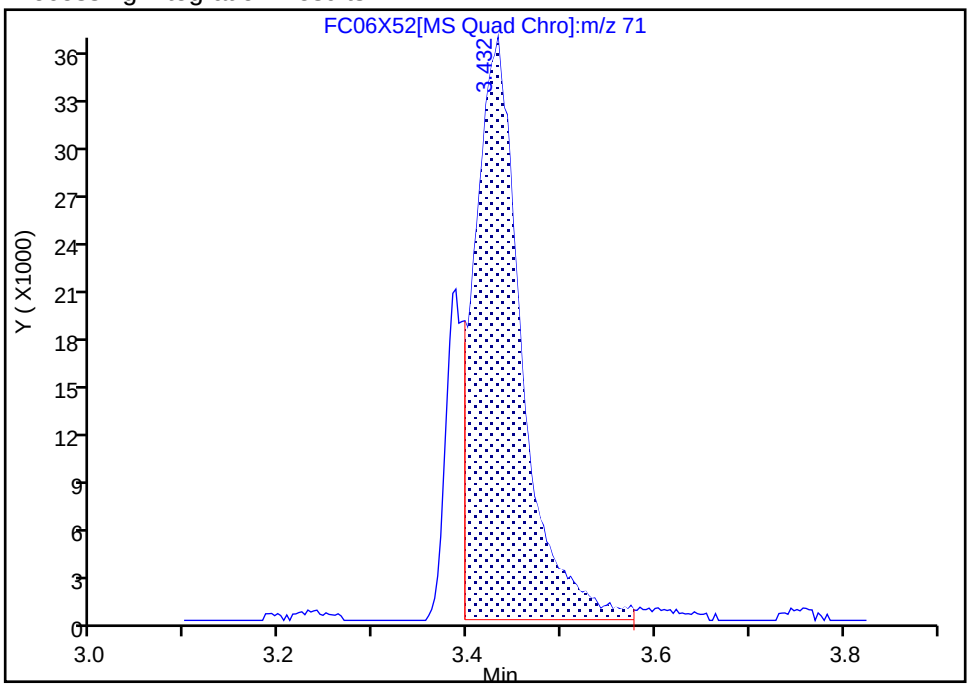
Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X52.D				
Injection Date:	06-Oct-2024 21:14:10	Instrument ID:	15830		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

37 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

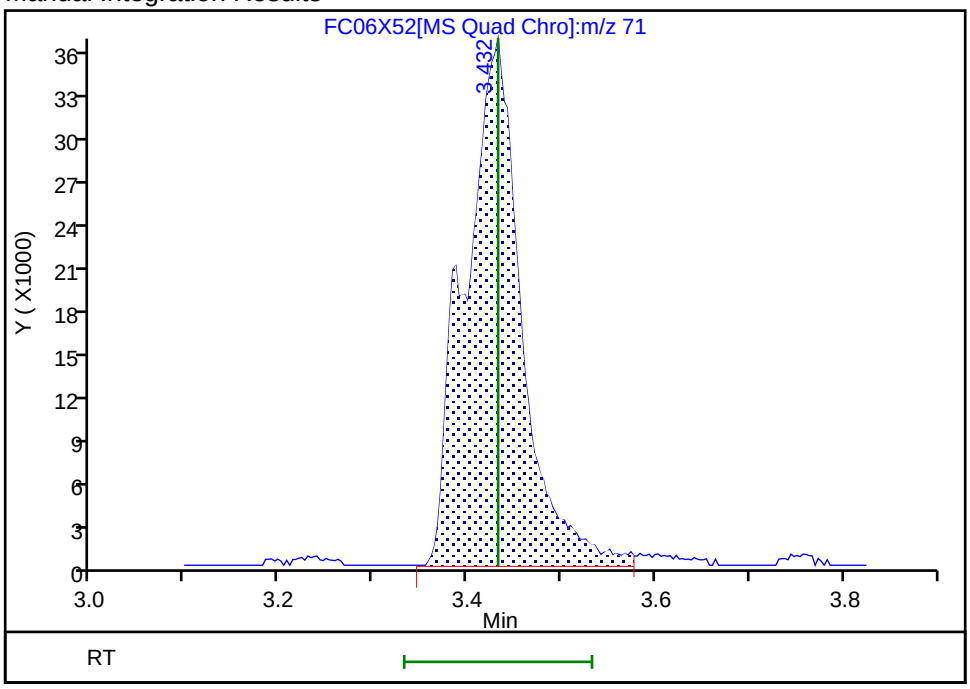
Processing Integration Results

RT: 3.43
Area: 126675
Amount: 211.3199
Amount Units: ug/l



Manual Integration Results

RT: 3.43
Area: 151419
Amount: 252.5980
Amount Units: ug/l



Reviewer: JS6E, 06-Oct-2024 21:44:41 -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

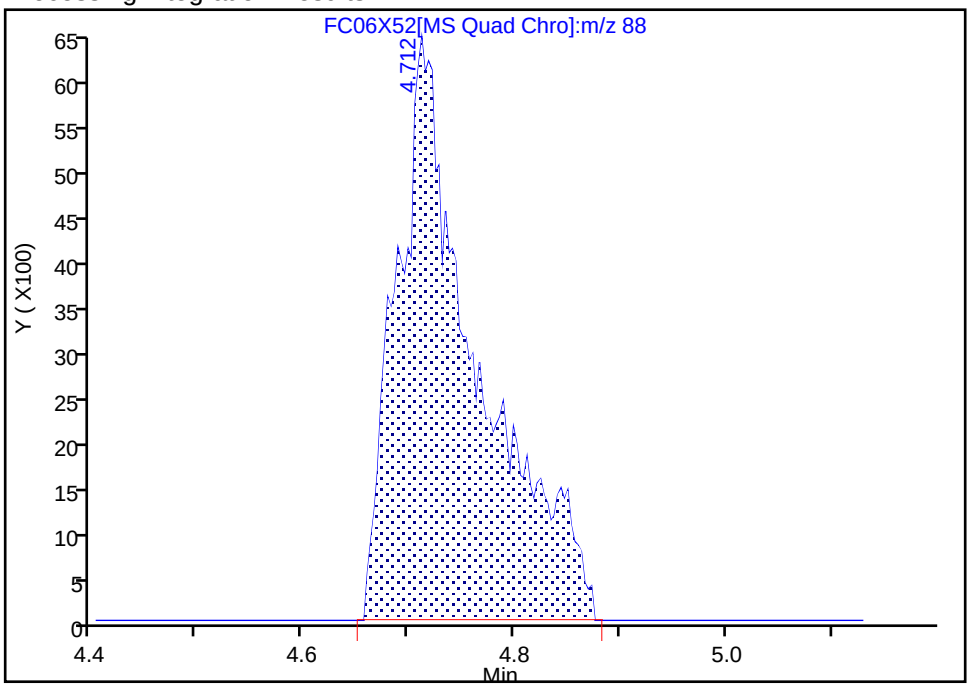
Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X52.D				
Injection Date:	06-Oct-2024 21:14:10	Instrument ID:	15830		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

58 1,4-Dioxane, CAS: 123-91-1

Signal: 1

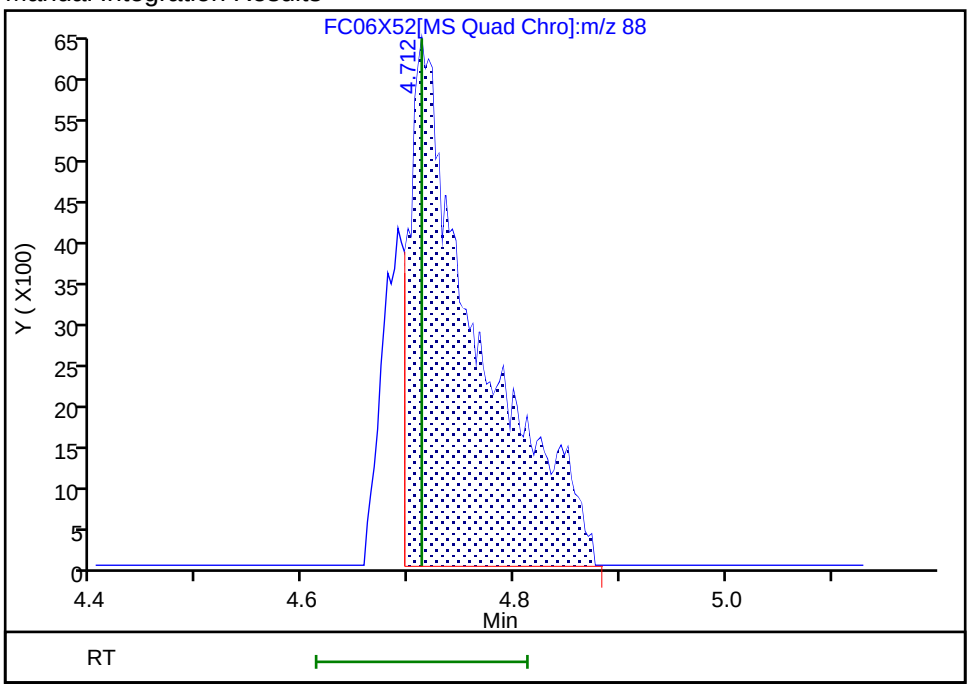
Processing Integration Results

RT: 4.71
Area: 34339
Amount: 1030.5382
Amount Units: ug/l



Manual Integration Results

RT: 4.71
Area: 28845
Amount: 865.6593
Amount Units: ug/l



Reviewer: JS6E, 06-Oct-2024 21:45:13 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\copy_FU27T01.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	27-Jun-2024 16:52:29	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB Tune				
Misc. Info.:	410-0117882-001				
Operator ID:	MEC29284	Instrument ID:	15830		
Method:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\MSVoa_15830_PT2.m				
Limit Group:	MSV - 8260C_D				
Last Update:	27-Jun-2024 23:00:49	Calib Date:	27-Jun-2024 21:13:20		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1609				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 38 BFB	95	3.489	3.489	0.000	0	137442	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

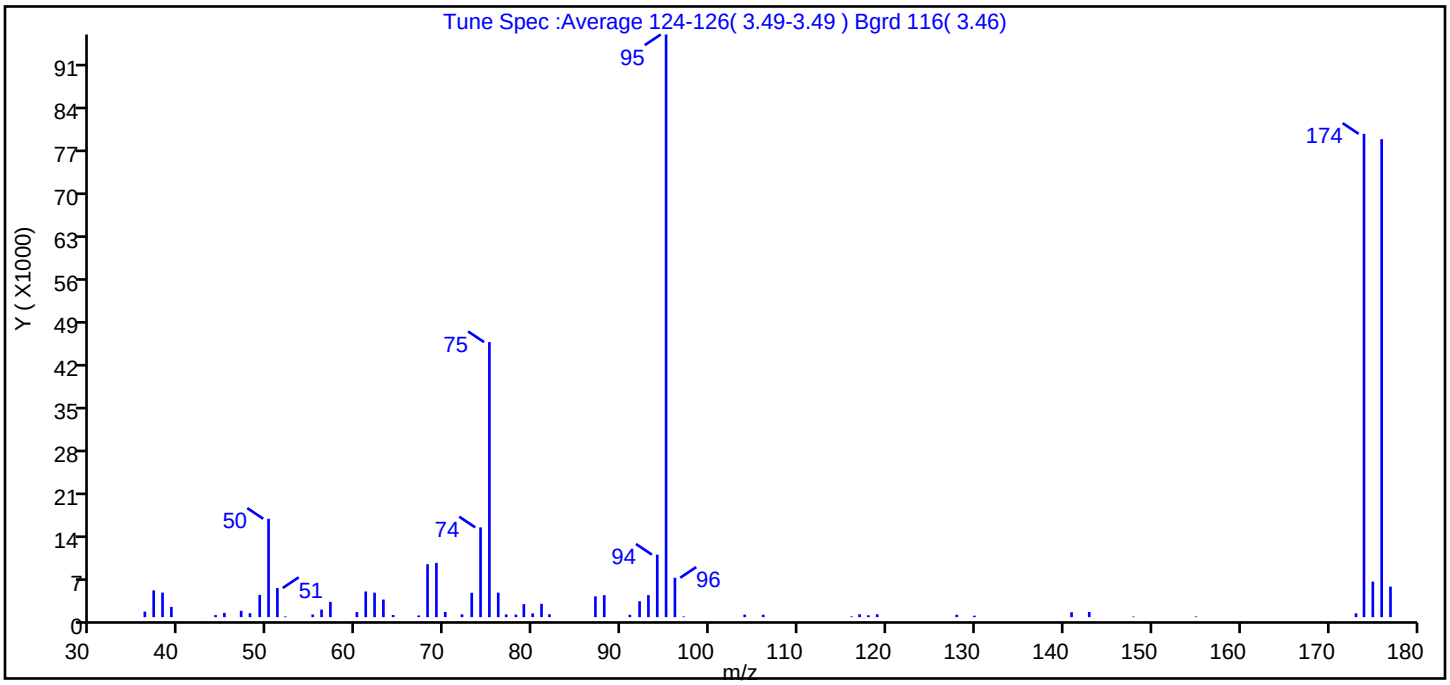
MSV_V_BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\copy_FU27T01.D
Injection Date: 27-Jun-2024 16:52:29 Instrument ID: 15830
Lims ID: bfb
Client ID:
Operator ID: MEC29284 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 38 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.9
75	30 to 60% of m/z 95	47.2
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.7 (0.8)
174	50 to 120% of m/z 95	82.9
175	5 to 9% of m/z 174	6.1 (7.4)
176	Greater than 95% but less than 101% of m/z 174	82.0 (98.9)
177	5 to 9% of m/z 176	5.2 (6.4)

Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\copy_FU27T01.D\MSVoa_15830_PT2.rslt\sp
Injection Date: 27-Jun-2024 16:52:29
Spectrum: Tune Spec :Average 124-126(3.49-3.49) Bgrd 116(3.46)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	922	60.00	826	79.00	2139	117.00	475
37.00	4400	61.00	4215	80.00	613	118.00	311
38.00	4028	62.00	4018	81.00	2193	119.00	471
39.00	1687	63.00	2886	82.00	471	128.00	390
43.00	10	64.00	357	87.00	3415	130.00	241
44.00	339	67.00	279	88.00	3604	141.00	808
45.00	697	68.00	8687	91.00	394	143.00	846
47.00	1049	69.00	8907	92.00	2610	148.00	96
48.00	643	70.00	861	93.00	3625	155.00	111
49.00	3645	72.00	461	94.00	10259	173.00	634
50.00	16154	73.00	3999	95.00	95664	174.00	79352
51.00	4784	74.00	14740	96.00	6470	175.00	5837
52.00	120	75.00	45160	97.00	106	176.00	78480
55.00	433	76.00	4022	104.00	412	177.00	5018
56.00	1240	77.00	446	106.00	395		
57.00	2501	78.00	412	116.00	124		

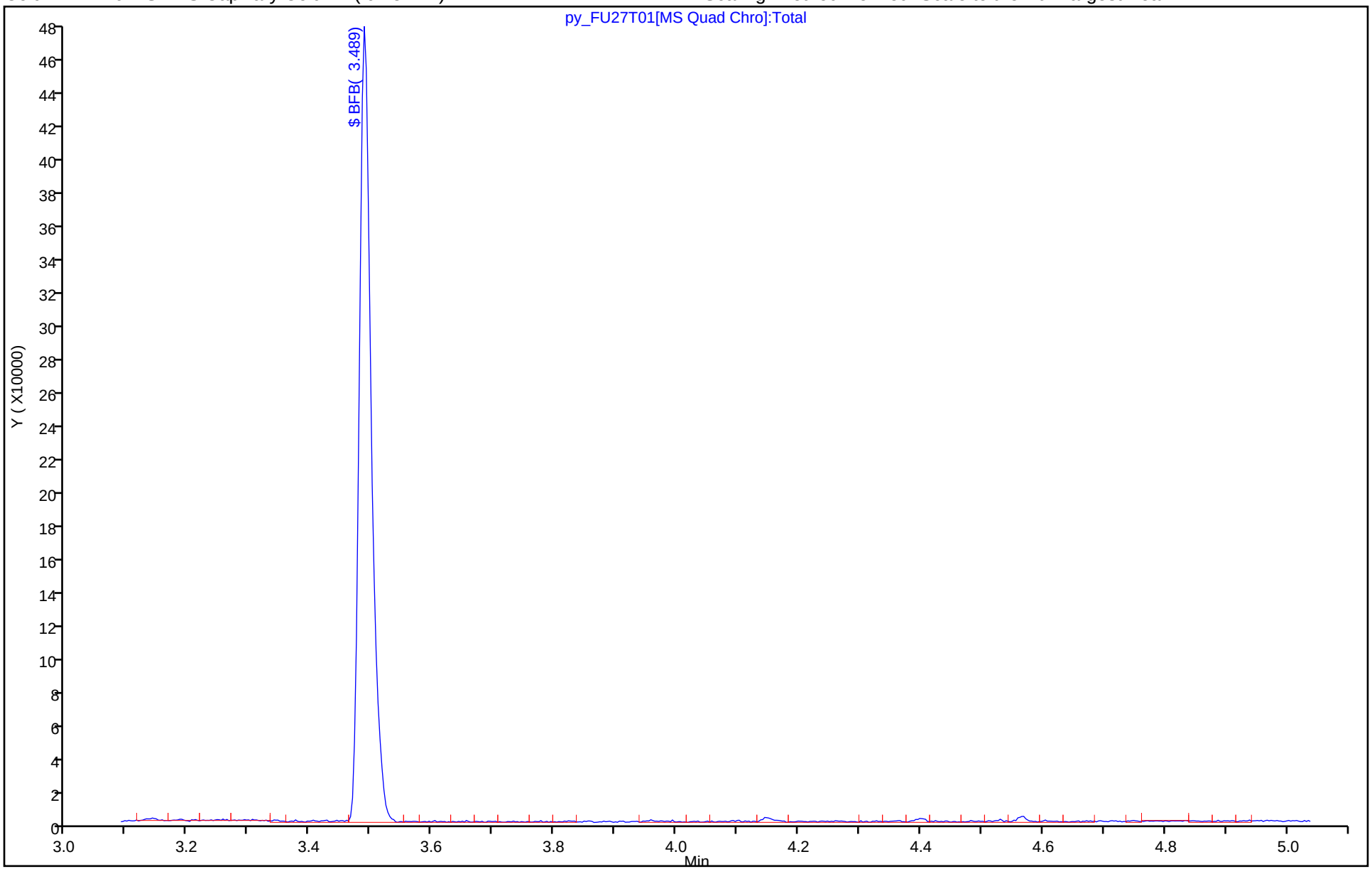
Report Date: 27-Jun-2024 23:00:49 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\copy_FU27T01.D

Injection Date:	27-Jun-2024 16:52:29	Instrument ID:	15830	Operator ID:	MEC29284
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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\15830\20241006-126925.b\FC06T01.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	06-Oct-2024 20:37:56	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	410-0126925-001				
Operator ID:	gaw91131	Instrument ID:	15830		
Method:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Oct-2024 15:29:00	Calib Date:	27-Jun-2024 21:13:20		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1678				
First Level Reviewer: EV4P		Date:	07-Oct-2024 15:29:00		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 38 BFB	95	3.498	3.498	0.000	0	120549	NC	NC	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

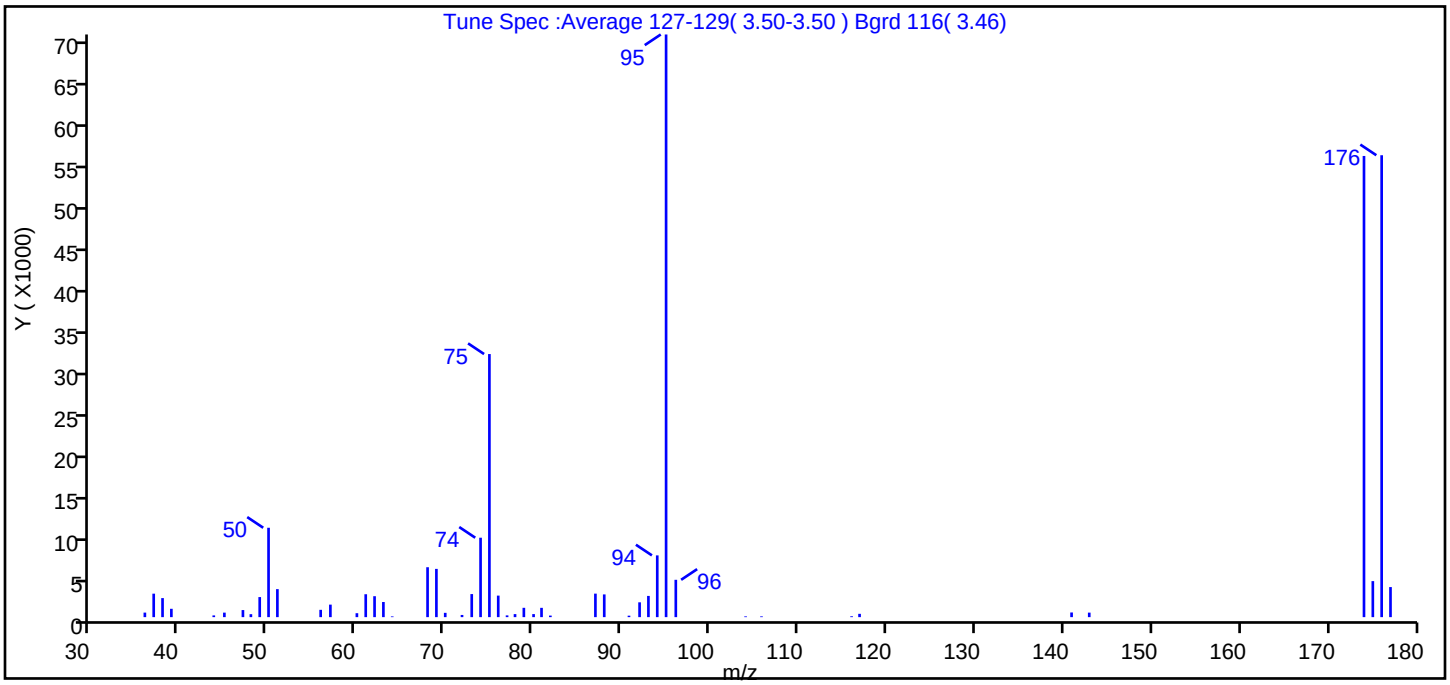
MSV_V_BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06T01.D
Injection Date: 06-Oct-2024 20:37:56 Instrument ID: 15830
Lims ID: BFB
Client ID:
Operator ID: gaw91131 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 38 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	45.2
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	79.2
175	5 to 9% of m/z 174	6.2 (7.8)
176	Greater than 95% but less than 101% of m/z 174	79.3 (100.2)
177	5 to 9% of m/z 176	5.2 (6.5)

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06T01.D\MSVoa_15830_PT2.rslt\spectra.c
Injection Date: 06-Oct-2024 20:37:56
Spectrum: Tune Spec :Average 127-129(3.50-3.50) Bgrd 116(3.46)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	549	60.00	476	77.00	212	96.00	4512
37.00	2837	61.00	2768	78.00	368	104.00	91
38.00	2301	62.00	2531	79.00	1128	106.00	91
39.00	1009	63.00	1828	80.00	369	116.00	104
44.00	209	64.00	87	81.00	1125	117.00	400
45.00	546	68.00	6032	82.00	188	141.00	565
47.00	855	69.00	5831	87.00	2841	143.00	546
48.00	358	70.00	520	88.00	2747	174.00	55728
49.00	2425	72.00	264	91.00	177	175.00	4353
50.00	10801	73.00	2788	92.00	1791	176.00	55816
51.00	3385	74.00	9598	93.00	2564	177.00	3634
56.00	884	75.00	31792	94.00	7463		
57.00	1513	76.00	2602	95.00	70408		

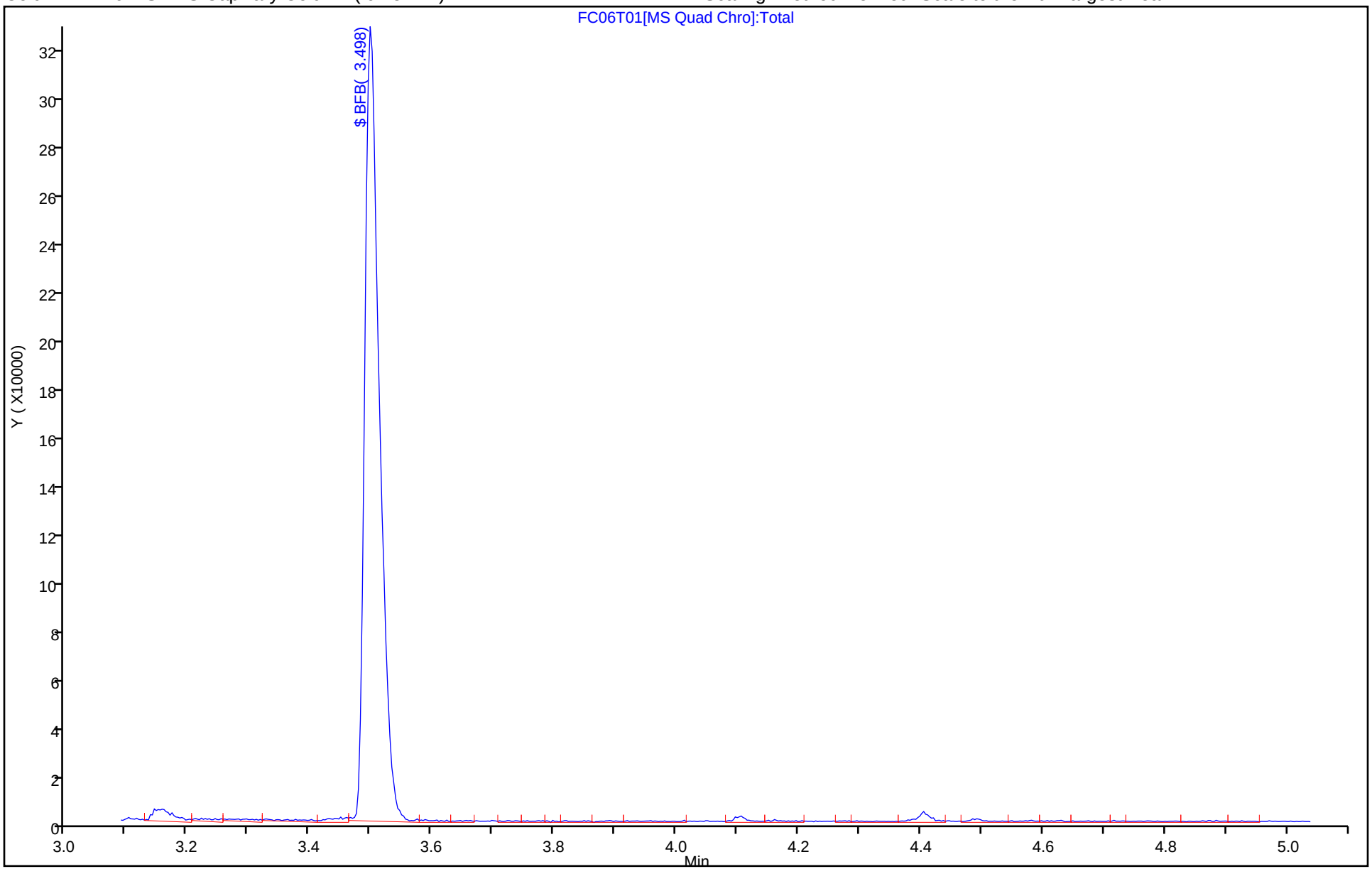
Report Date: 07-Oct-2024 15:29:00 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06T01.D

Injection Date:	06-Oct-2024 20:37:56	Instrument ID:	15830	Operator ID:	gaw91131
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190648-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-559907/7

Matrix: Water
Lab File ID: FC06X56.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/06/2024 22:30

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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	0.50
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.: 410-190648-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-559907/7

Matrix: Water
Lab File ID: FC06X56.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/06/2024 22:30

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

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)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		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\15830\20241006-126925.b\FC06X56.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 06-Oct-2024 22:30:43 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 410-0126925-007
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:34:29 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: JS6E Date: 06-Oct-2024 23:31:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85		1.031					ND	
2 Chloromethane	50		1.143					ND	
3 Vinyl chloride	62		1.201					ND	
4 Butadiene	39		1.201					ND	
5 Bromomethane	94		1.387					ND	
6 Chloroethane	64		1.410					ND	
8 Pentane	43		1.564					ND	
16 Dichlorofluoromethane	67		1.574					ND	
7 Trichlorofluoromethane	101		1.596					ND	
22 1,2-Dichloro-1,1,2-trifluoroetha	67		1.786					ND	
9 Acrolein	56		1.789					ND	
10 1,1-Dichloroethene	96		1.854					ND	
11 Acetone	58		1.889					ND	
12 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.915					ND	
13 Iodomethane	142		1.992					ND	
15 Isopropyl alcohol	45		2.011					ND	
14 Carbon disulfide	76		2.014					ND	
18 Methyl acetate	43		2.121					ND	
17 3-Chloro-1-propene	41		2.127					ND	
19 Methylene Chloride	84		2.233					ND	
* 20 t-Butyl alcohol-d10 (IS)	65	2.249	2.297	-0.048	90	191751	250.0	250.0	
21 2-Methyl-2-propanol	59		2.368					ND	
23 Acrylonitrile	53		2.413					ND	
24 trans-1,2-Dichloroethene	96		2.429					ND	
25 Methyl tert-butyl ether	73		2.439					ND	
26 Hexane	57		2.651					ND	
27 1,1-Dichloroethane	63		2.776					ND	
28 Isopropyl ether	45		2.822					ND	
29 2-Chloro-1,3-butadiene	53		2.831					ND	
30 Tert-butyl ethyl ether	59		3.104					ND	
31 cis-1,2-Dichloroethene	96		3.230					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Butanone (MEK)	43		3.236				ND		
33 2,2-Dichloropropane	77		3.240				ND		
34 Propionitrile	54		3.281				ND		
35 Methacrylonitrile	67		3.397				ND		
36 Chlorobromomethane	128		3.416				ND		
37 Tetrahydrofuran	71		3.432				ND		
39 Chloroform	83		3.506				ND		
40 1,1,1-Trichloroethane	97		3.632				ND		
$ 41 Dibromofluoromethane (Surr)	113	3.619	3.632	-0.013	93	88743	50.0	52.9	
42 Cyclohexane	56		3.693				ND		
43 Carbon tetrachloride	117		3.751				ND		
44 1,1-Dichloropropene	75		3.757				ND		
45 Isobutyl alcohol	41		3.895				ND		
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.882	3.899	-0.017	46	22892	50.0	53.2	
47 Benzene	78		3.908				ND		
48 1,2-Dichloroethane	62		3.960				ND		
49 Tert-amyl methyl ether	73		4.037				ND		
* 50 Fluorobenzene (IS)	96	4.149	4.162	-0.013	99	334459	50.0	50.0	
51 n-Heptane	43		4.175				ND		
52 n-Butanol	56		4.413				ND		
53 Trichloroethene	95		4.455				ND		
54 Methylcyclohexane	83		4.645				ND		
55 1,2-Dichloropropane	63		4.667				ND		
56 2-ethoxy-2-methyl butane	87		4.686				ND		
58 1,4-Dioxane	88		4.712				ND		
59 Methyl methacrylate	69		4.731				ND		
57 Dibromomethane	93		4.738				ND		
60 Dichlorobromomethane	83		4.899				ND		
61 2-Nitropropane	41		5.075				ND		
62 2-Chloroethyl vinyl ether	63		5.143				ND		
63 cis-1,3-Dichloropropene	75		5.262				ND		
64 4-Methyl-2-pentanone (MIBK)	43		5.407				ND		U
$ 65 Toluene-d8 (Surr)	98	5.474	5.481	-0.007	92	282397	50.0	50.0	
66 Toluene	92		5.535				ND		
67 trans-1,3-Dichloropropene	75		5.738				ND		
68 Ethyl methacrylate	69		5.799				ND		
69 1,1,2-Trichloroethane	97		5.879				ND		
70 Tetrachloroethene	166		5.931				ND		
71 1,3-Dichloropropane	76		5.995				ND		
73 2-Hexanone	43		6.050				ND		
74 Chlorodibromomethane	129		6.143				ND		
S 72 1,2-Dichloroethene, Total	100		6.155				ND		7
75 Ethylene Dibromide	107		6.214				ND		
* 76 Chlorobenzene-d5 (IS)	117	6.529	6.532	-0.003	85	212876	50.0	50.0	
77 Chlorobenzene	112		6.551				ND		
78 1-Chlorohexane	91		6.558				ND		U
79 1,1,1,2-Tetrachloroethane	131		6.616				ND		
80 Ethylbenzene	91		6.622				ND		7
81 m-Xylene & p-Xylene	106		6.706				ND		
82 o-Xylene	106		6.944				ND		
83 Styrene	104		6.956				ND		
84 Bromoform	173		7.056				ND		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Isopropylbenzene	105		7.165					ND	
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	93	106049	50.0	51.0	
87 Bromobenzene	156		7.339					ND	
88 1,1,2,2-Tetrachloroethane	83		7.352					ND	
89 trans-1,4-Dichloro-2-butene	53		7.371					ND	
90 1,2,3-Trichloropropane	110		7.378					ND	
91 N-Propylbenzene	91		7.407					ND	
92 2-Chlorotoluene	126		7.452					ND	
93 1,3,5-Trimethylbenzene	105		7.513					ND	
94 4-Chlorotoluene	126		7.522					ND	
95 tert-Butylbenzene	134		7.683					ND	
96 1,2,4-Trimethylbenzene	105		7.715					ND	7
97 sec-Butylbenzene	105		7.805					ND	7
98 1,3-Dichlorobenzene	146		7.863					ND	
99 4-Isopropyltoluene	119		7.889					ND	7
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	94	131109	50.0	50.0	
101 1,4-Dichlorobenzene	146		7.921					ND	
102 1,2,3-Trimethylbenzene	105		7.937					ND	7
103 Benzyl chloride	91		7.982					ND	7
104 1,3-Diethylbenzene	119		8.040					ND	7
105 p-Diethylbenzene	119		8.091					ND	7
106 n-Butylbenzene	92		8.104					ND	7
107 1,2-Dichlorobenzene	146		8.111					ND	
108 o-diethylbenzene	119		8.143					ND	7
109 1,2-Dibromo-3-Chloropropane	75		8.516					ND	
110 1,3,5-Trichlorobenzene	180		8.612					ND	7
111 1,2,4-Trichlorobenzene	180	8.930	8.931	-0.001	82	583		0.2419	
112 Hexachlorobutadiene	225		9.005					ND	7
113 Naphthalene	128		9.062					ND	7
114 1,2,3-Trichlorobenzene	180	9.172	9.172	0.000	85	792		0.3253	
115 2-Methylnaphthalene	142		9.619					ND	7
S 137 1,3-Dichloropropene, Total	100		10.060					ND	7
S 138 Xylenes, Total	106		11.245					ND	7
S 139 Total Diethylbenzene	1		0.000					ND	7
S 140 Total BTEX	1		0.000					ND	7
141 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
142 Ethyl acrylate	55		0.000					ND	
143 3-Methyl-1-butene	1		0.000					ND	
144 Propanol	1		0.000					ND	
145 Isobutyl acetate	43		0.000					ND	
146 4-Ethyltoluene	1		0.000					ND	
147 sec-Butyl Alcohol	45		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_Cent_ISSS_00031 Amount Added: 5.00 Units: uL Run Reagent

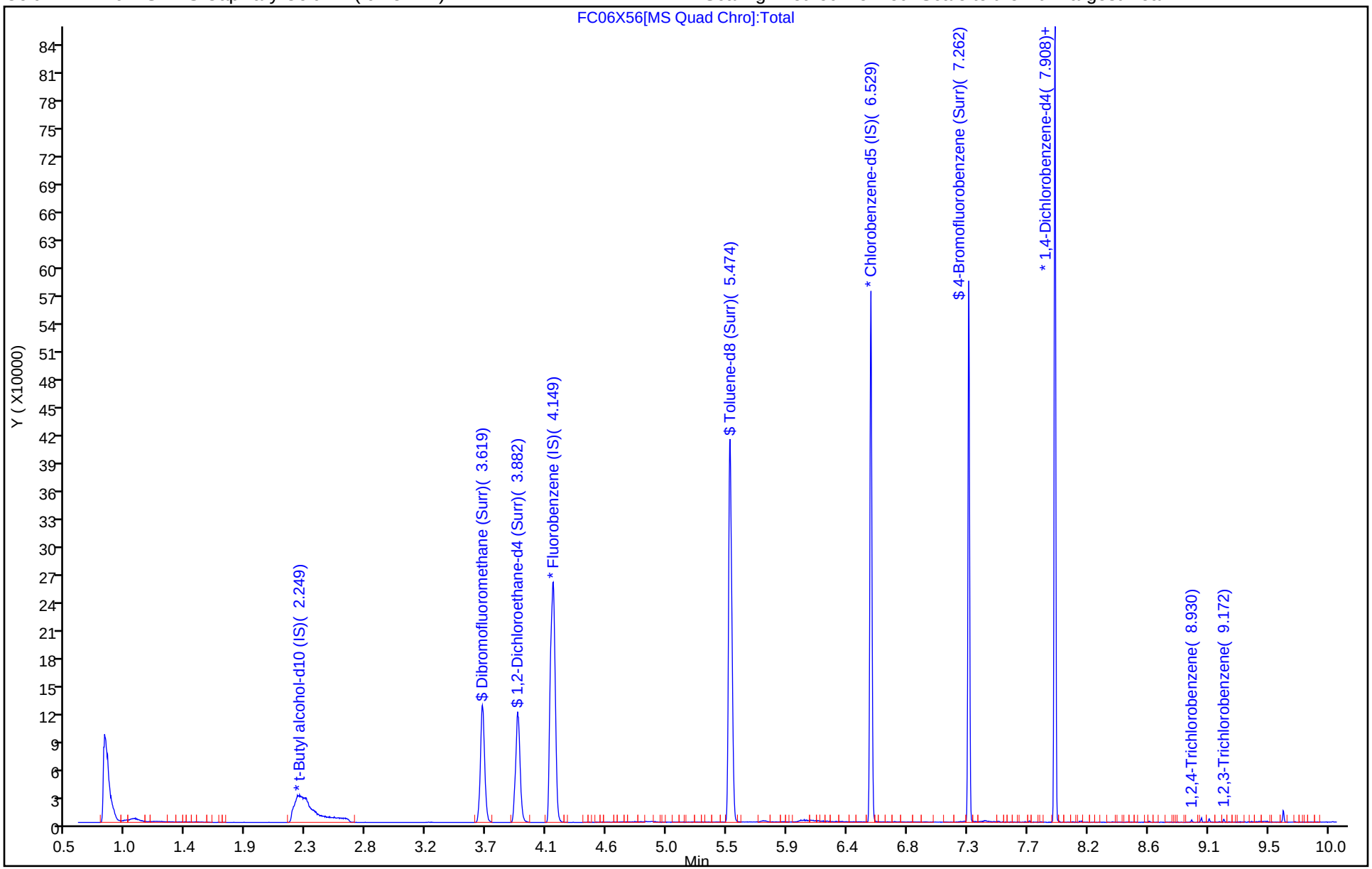
Report Date: 07-Oct-2024 15:35:45 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X56.D

Injection Date:	06-Oct-2024 22:30:43	Instrument ID:	15830	Operator ID:	gaw91131
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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\15830\20241006-126925.b\FC06X56.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 06-Oct-2024 22:30:43 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 410-0126925-007
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:34:29 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: JS6E Date: 06-Oct-2024 23:31:03

Compound	Amount Added	Amount Recovered	% Rec.
$ 41 Dibromofluoromethane (Surr)	50.0	52.9	105.84
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	53.2	106.44
$ 65 Toluene-d8 (Surr)	50.0	50.0	99.98
$ 86 4-Bromofluorobenzene (Surr)	50.0	51.0	102.01

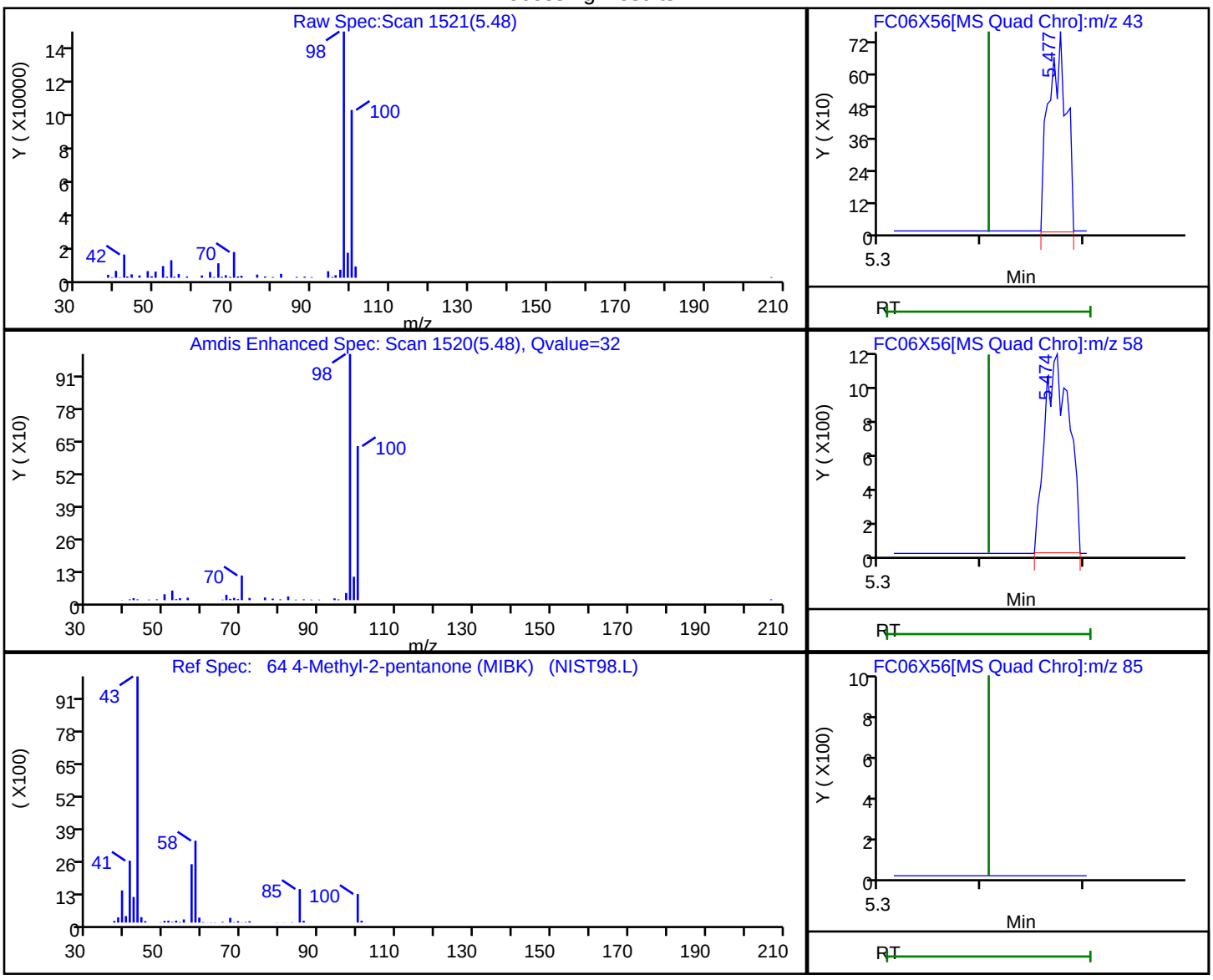
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X56.D				
Injection Date:	06-Oct-2024 22:30:43	Instrument ID:	15830		
Lims ID:	MB				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

64 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.48	43.00	901	5.016155
5.47	58.00	1840	
5.41	85.00	0	
5.47	100.00	186126	

Reviewer: JS6E, 06-Oct-2024 23:30:40 -04:00:00 (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.: 410-190648-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-559907/4

Matrix: Water
Lab File ID: FC06X53.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/06/2024 21:33

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	21.2		1.0	0.30
71-55-6	1,1,1-Trichloroethane	18.1		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	20.6		1.0	0.30
79-00-5	1,1,2-Trichloroethane	19.9		1.0	0.30
75-34-3	1,1-Dichloroethane	19.8		1.0	0.30
75-35-4	1,1-Dichloroethene	18.3		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	19.3		1.0	0.20
107-06-2	1,2-Dichloroethane	20.2		1.0	0.30
78-87-5	1,2-Dichloropropane	20.0		1.0	0.30
78-93-3	2-Butanone (MEK)	279		10	0.50
591-78-6	2-Hexanone	286		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	246		10	0.50
67-64-1	Acetone	232		20	0.70
71-43-2	Benzene	18.7		1.0	0.30
74-97-5	Bromochloromethane	21.6		5.0	0.20
75-27-4	Bromodichloromethane	18.6		1.0	0.20
75-25-2	Bromoform	18.8		4.0	1.0
74-83-9	Bromomethane	16.2		1.0	0.30
75-15-0	Carbon disulfide	14.9		5.0	0.30
56-23-5	Carbon tetrachloride	17.8		1.0	0.30
108-90-7	Chlorobenzene	18.9		1.0	0.30
75-00-3	Chloroethane	17.4		1.0	0.30
67-66-3	Chloroform	18.6		1.0	0.30
74-87-3	Chloromethane	19.4		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	19.9		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	16.2		1.0	0.20
124-48-1	Dibromochloromethane	19.4		1.0	0.20
100-41-4	Ethylbenzene	19.4		1.0	0.40
1634-04-4	Methyl tert-butyl ether	20.1		1.0	0.20
75-09-2	Methylene Chloride	19.2		1.0	0.30
100-42-5	Styrene	19.3		5.0	0.30
127-18-4	Tetrachloroethene	18.9		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190648-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-559907/4

Matrix: Water
Lab File ID: FC06X53.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/06/2024 21:33

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	19.1		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	18.4		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	17.5		1.0	0.20
79-01-6	Trichloroethene	17.4		1.0	0.30
75-01-4	Vinyl chloride	16.1		1.0	0.30
1330-20-7	Xylenes, Total	57.8		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)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		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\15830\20241006-126925.b\FC06X53.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 06-Oct-2024 21:33:22 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 410-0126925-004
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:34:29 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: JS6E Date: 06-Oct-2024 21:50:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.018	1.031	-0.013	99	35715	20.0	13.2	
2 Chloromethane	50	1.121	1.143	-0.022	98	55465	20.0	19.4	M
3 Vinyl chloride	62	1.182	1.201	-0.019	96	42209	20.0	16.1	
4 Butadiene	39	1.182	1.201	-0.019	93	79383	20.0	26.3	
5 Bromomethane	94	1.371	1.387	-0.016	89	30508	20.0	16.2	
6 Chloroethane	64	1.391	1.410	-0.019	99	27113	20.0	17.4	
8 Pentane	43	1.542	1.564	-0.022	94	38401	20.0	13.0	
16 Dichlorofluoromethane	67	1.555	1.574	-0.019	99	71411	20.0	16.8	
7 Trichlorofluoromethane	101	1.574	1.596	-0.022	96	51899	20.0	16.3	M
22 1,2-Dichloro-1,1,2-trifluoroetha	67	1.770	1.786	-0.016	67	43830	20.0	19.6	
9 Acrolein	56	1.764	1.789	-0.025	98	103699	150.3	212.6	
10 1,1-Dichloroethene	96	1.838	1.854	-0.016	92	30329	20.0	18.3	
11 Acetone	58	1.863	1.889	-0.026	100	94097	250.0	231.8	
12 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.892	1.915	-0.023	90	30259	20.0	15.9	
13 Iodomethane	142	1.976	1.992	-0.016	95	53444	20.0	16.4	
15 Isopropyl alcohol	45	1.982	2.011	-0.029	51	45018	150.0	132.3	
14 Carbon disulfide	76	2.047	2.014	0.033	98	78373	20.0	14.9	M
18 Methyl acetate	43	2.105	2.121	-0.016	61	55196	20.0	22.6	M
17 3-Chloro-1-propene	41	2.105	2.127	-0.022	89	43938	20.0	14.6	
19 Methylene Chloride	84	2.214	2.233	-0.019	94	36612	20.0	19.2	
* 20 t-Butyl alcohol-d10 (IS)	65	2.240	2.297	-0.057	92	203347	250.0	250.0	
21 2-Methyl-2-propanol	59	2.304	2.368	-0.064	97	154521	200.0	199.5	
23 Acrylonitrile	53	2.394	2.413	-0.019	99	142469	100.0	111.2	
24 trans-1,2-Dichloroethene	96	2.413	2.429	-0.016	99	32518	20.0	18.4	
25 Methyl tert-butyl ether	73	2.413	2.439	-0.026	84	102391	20.0	20.1	
26 Hexane	57	2.635	2.651	-0.016	90	34615	20.0	15.3	
27 1,1-Dichloroethane	63	2.760	2.776	-0.016	95	59451	20.0	19.8	
28 Isopropyl ether	45	2.802	2.822	-0.020	94	95428	20.0	18.7	
29 2-Chloro-1,3-butadiene	53	2.815	2.831	-0.016	91	43962	20.0	16.4	
30 Tert-butyl ethyl ether	59	3.088	3.104	-0.016	97	101562	20.0	20.2	
31 cis-1,2-Dichloroethene	96	3.211	3.230	-0.019	80	37788	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
32 2-Butanone (MEK)	43	3.185	3.236	-0.051	100	473286	250.0	278.5	
33 2,2-Dichloropropane	77	3.236	3.240	-0.004	69	50737	20.0	18.2	
34 Propionitrile	54	3.272	3.281	-0.009	97	98728	150.0	153.7	
35 Methacrylonitrile	67	3.384	3.397	-0.013	92	182747	150.0	161.0	
36 Chlorobromomethane	128	3.400	3.416	-0.016	94	19241	20.0	21.6	
37 Tetrahydrofuran	71	3.416	3.432	-0.016	92	54634	100.0	92.3	M
39 Chloroform	83	3.494	3.506	-0.012	93	57647	20.0	18.6	
40 1,1,1-Trichloroethane	97	3.622	3.632	-0.010	97	51074	20.0	18.1	
$ 41 Dibromofluoromethane (Surr)	113	3.619	3.632	-0.013	94	90445	50.0	52.0	
42 Cyclohexane	56	3.680	3.693	-0.013	88	52843	20.0	15.6	
43 Carbon tetrachloride	117	3.741	3.751	-0.010	91	42404	20.0	17.8	
44 1,1-Dichloropropene	75	3.741	3.757	-0.016	97	42940	20.0	18.8	
45 Isobutyl alcohol	41	3.860	3.895	-0.035	96	94231	500.0	416.7	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.889	3.899	-0.010	82	23511	50.0	52.7	
47 Benzene	78	3.899	3.908	-0.009	95	127536	20.0	18.7	
48 1,2-Dichloroethane	62	3.947	3.960	-0.013	97	42828	20.0	20.2	
49 Tert-amyl methyl ether	73	4.024	4.037	-0.013	98	99537	20.0	20.3	
* 50 Fluorobenzene (IS)	96	4.149	4.162	-0.013	99	346937	50.0	50.0	
51 n-Heptane	43	4.166	4.175	-0.009	54	28239	20.0	14.6	
52 n-Butanol	56	4.407	4.413	-0.006	88	165076	1000.0	1005.0	
53 Trichloroethene	95	4.442	4.455	-0.013	97	31685	20.0	17.4	
54 Methylcyclohexane	83	4.635	4.645	-0.010	90	52898	20.0	16.4	
55 1,2-Dichloropropane	63	4.661	4.667	-0.006	97	31551	20.0	20.0	
56 2-ethoxy-2-methyl butane	87	4.683	4.686	-0.003	94	49675	20.0	18.8	
58 1,4-Dioxane	88	4.719	4.712	0.007	88	21061	500.0	640.0	M
59 Methyl methacrylate	69	4.725	4.731	-0.006	87	27065	20.0	17.6	
57 Dibromomethane	93	4.728	4.738	-0.010	71	20229	20.0	19.2	
60 Dichlorobromomethane	83	4.889	4.899	-0.010	99	36628	20.0	18.6	
61 2-Nitropropane	41	5.072	5.075	-0.003	97	13512	20.0	13.9	
62 2-Chloroethyl vinyl ether	63	5.140	5.143	-0.003	92	20424	20.0	19.1	
63 cis-1,3-Dichloropropene	75	5.252	5.262	-0.010	97	40190	20.0	16.2	
64 4-Methyl-2-pentanone (MIBK)	43	5.400	5.407	-0.007	96	776963	250.0	245.8	
$ 65 Toluene-d8 (Surr)	98	5.474	5.481	-0.007	93	308118	50.0	51.3	
66 Toluene	92	5.529	5.535	-0.006	98	72724	20.0	19.1	
67 trans-1,3-Dichloropropene	75	5.735	5.738	-0.003	92	35361	20.0	17.5	
68 Ethyl methacrylate	69	5.793	5.799	-0.007	89	41273	20.0	18.1	
69 1,1,2-Trichloroethane	97	5.879	5.879	0.000	91	25218	20.0	19.9	
70 Tetrachloroethene	166	5.928	5.931	-0.003	97	32092	20.0	18.9	
71 1,3-Dichloropropane	76	5.992	5.995	-0.003	90	40933	20.0	19.8	
73 2-Hexanone	43	6.047	6.050	-0.004	96	568941	250.0	285.6	
74 Chlorodibromomethane	129	6.143	6.143	0.000	89	26720	20.0	19.4	
75 Ethylene Dibromide	107	6.210	6.214	-0.004	99	26690	20.0	19.3	
* 76 Chlorobenzene-d5 (IS)	117	6.529	6.532	-0.003	84	226126	50.0	50.0	
77 Chlorobenzene	112	6.548	6.551	-0.003	96	79642	20.0	18.9	
78 1-Chlorohexane	91	6.555	6.558	-0.003	96	35251	20.0	17.0	
79 1,1,1,2-Tetrachloroethane	131	6.616	6.616	0.000	96	32873	20.0	21.2	
80 Ethylbenzene	91	6.619	6.622	-0.003	98	145078	20.0	19.4	
81 m-Xylene & p-Xylene	106	6.706	6.706	0.000	99	112558	40.0	37.9	
82 o-Xylene	106	6.940	6.944	-0.004	96	60773	20.0	19.9	
83 Styrene	104	6.953	6.956	-0.003	94	88575	20.0	19.3	
84 Bromoform	173	7.056	7.056	0.000	96	20041	20.0	18.8	
85 Isopropylbenzene	105	7.165	7.165	0.000	95	167845	20.0	22.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	91	111862	50.0	50.6	
87 Bromobenzene	156	7.336	7.339	-0.003	89	36289	20.0	19.6	
88 1,1,2,2-Tetrachloroethane	83	7.349	7.352	-0.003	94	50308	20.0	20.6	
89 trans-1,4-Dichloro-2-butene	53	7.368	7.371	-0.003	93	32335	100.0	43.3	
90 1,2,3-Trichloropropane	110	7.378	7.378	0.000	83	16138	20.0	20.1	
91 N-Propylbenzene	91	7.403	7.407	-0.004	99	175305	20.0	19.3	
92 2-Chlorotoluene	126	7.448	7.452	-0.004	97	35743	20.0	18.6	
93 1,3,5-Trimethylbenzene	105	7.509	7.513	-0.004	94	133574	20.0	19.5	
94 4-Chlorotoluene	126	7.519	7.522	-0.003	98	33304	20.0	18.2	
95 tert-Butylbenzene	134	7.683	7.683	0.000	92	26129	20.0	18.8	
96 1,2,4-Trimethylbenzene	105	7.715	7.715	0.000	97	135012	20.0	19.7	
97 sec-Butylbenzene	105	7.805	7.805	0.000	93	160004	20.0	19.4	
98 1,3-Dichlorobenzene	146	7.863	7.863	0.000	98	67526	20.0	19.4	
99 4-Isopropyltoluene	119	7.889	7.889	0.000	97	140938	20.0	19.4	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	93	134332	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.921	7.921	0.000	96	68075	20.0	19.5	
102 1,2,3-Trimethylbenzene	105	7.937	7.937	0.000	98	138750	20.0	19.7	
103 Benzyl chloride	91	7.982	7.982	0.000	98	86906	20.0	17.9	
104 1,3-Diethylbenzene	119	8.040	8.040	0.000	96	82192	20.0	20.1	
105 p-Diethylbenzene	119	8.091	8.091	0.000	94	83161	20.0	19.6	
106 n-Butylbenzene	92	8.104	8.104	0.000	98	64110	20.0	19.6	
107 1,2-Dichlorobenzene	146	8.108	8.111	-0.003	99	71342	20.0	20.1	
108 o-diethylbenzene	119	8.143	8.143	0.000	95	66136	20.0	19.2	
109 1,2-Dibromo-3-Chloropropane	75	8.516	8.516	0.000	89	17220	20.0	19.7	
110 1,3,5-Trichlorobenzene	180	8.612	8.612	0.000	97	53907	20.0	22.2	
111 1,2,4-Trichlorobenzene	180	8.931	8.931	0.000	94	54940	20.0	22.2	
112 Hexachlorobutadiene	225	9.001	9.005	-0.004	96	18422	20.0	20.1	
113 Naphthalene	128	9.062	9.062	0.000	96	236894	20.0	22.5	
114 1,2,3-Trichlorobenzene	180	9.172	9.172	0.000	96	59186	20.0	23.7	
115 2-Methylnaphthalene	142	9.619	9.619	0.000	92	152965	20.0	26.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00187	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00191	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00192	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00218	Amount Added: 50.00	Units: uL	
MSV_Cent_ISSS_00031	Amount Added: 5.00	Units: uL	Run Reagent

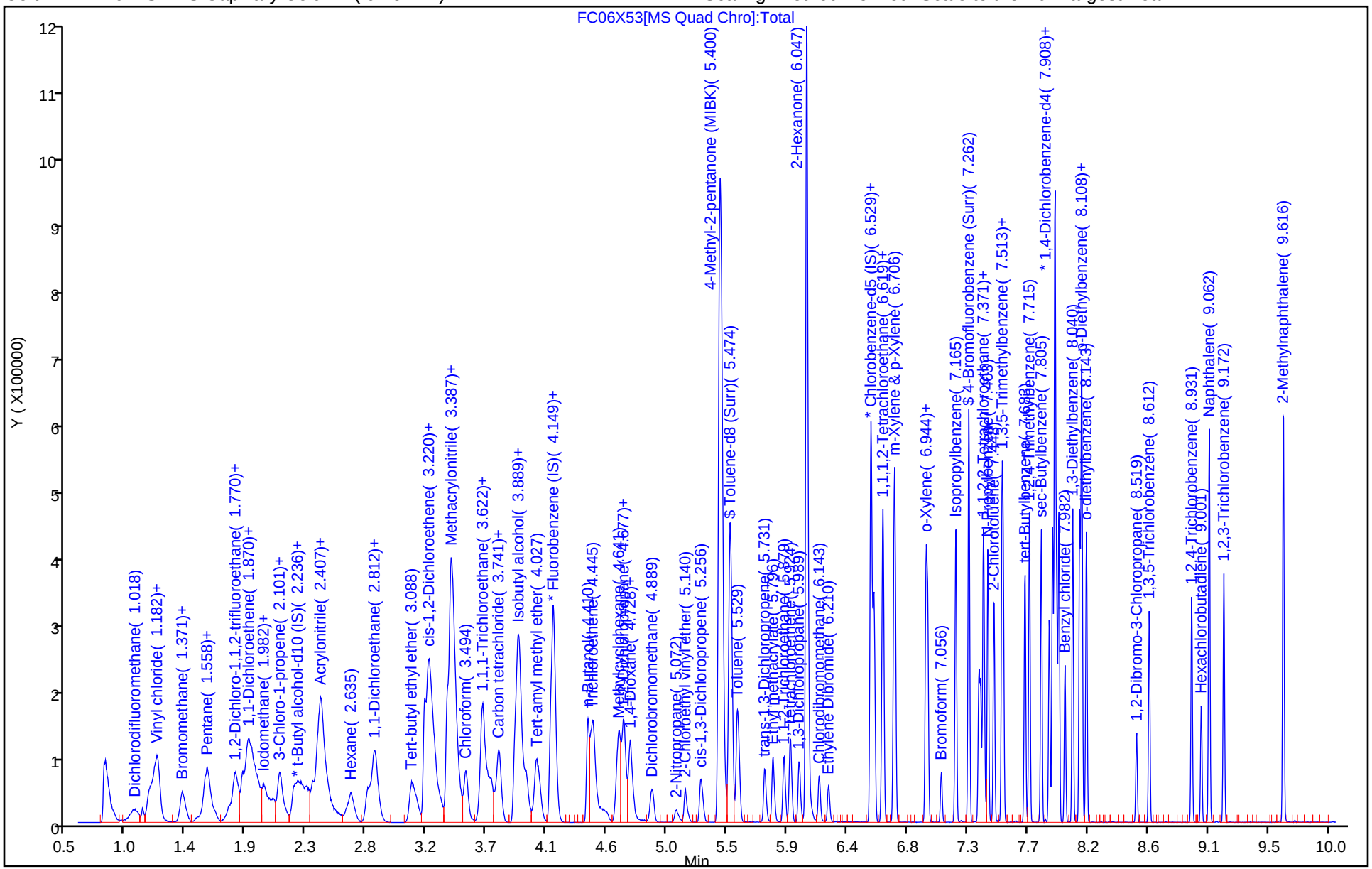
Report Date: 07-Oct-2024 15:34:29 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X53.D

Injection Date:	06-Oct-2024 21:33:22	Instrument ID:	15830	Operator ID:	gaw91131
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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\15830\20241006-126925.b\FC06X53.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 06-Oct-2024 21:33:22 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 410-0126925-004
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:34:29 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: JS6E Date: 06-Oct-2024 21:50:48

Compound	Amount Added	Amount Recovered	% Rec.
$ 41 Dibromofluoromethane (Surr)	50.0	52.0	104.00
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	52.7	105.39
$ 65 Toluene-d8 (Surr)	50.0	51.3	102.69
$ 86 4-Bromofluorobenzene (Surr)	50.0	50.6	101.29

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

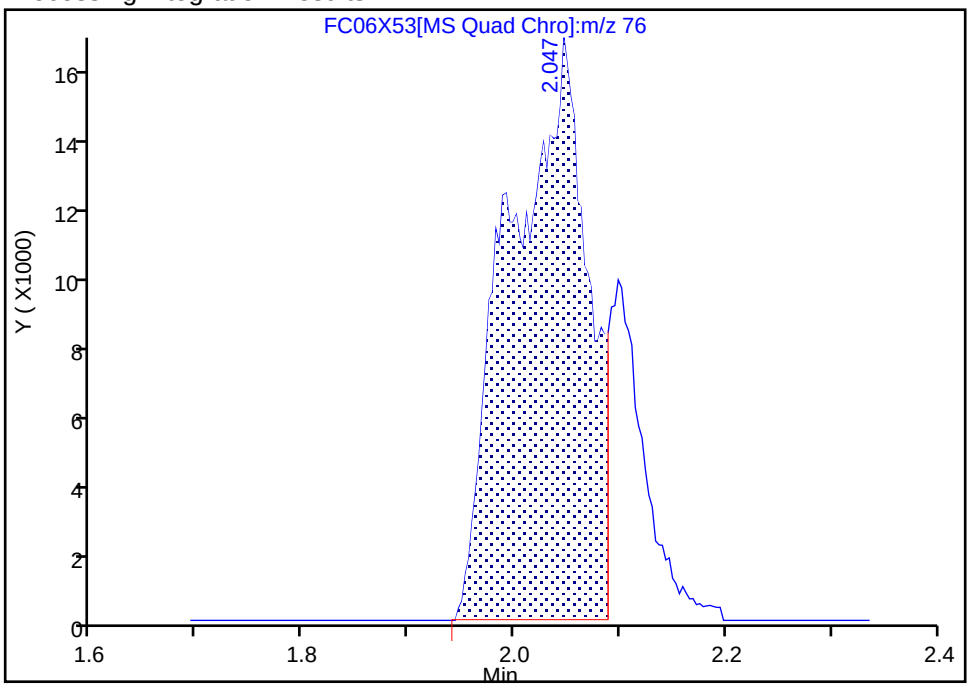
Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X53.D				
Injection Date:	06-Oct-2024 21:33:22	Instrument ID:	15830		
Lims ID:	LCS				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

14 Carbon disulfide, CAS: 75-15-0

Signal: 1

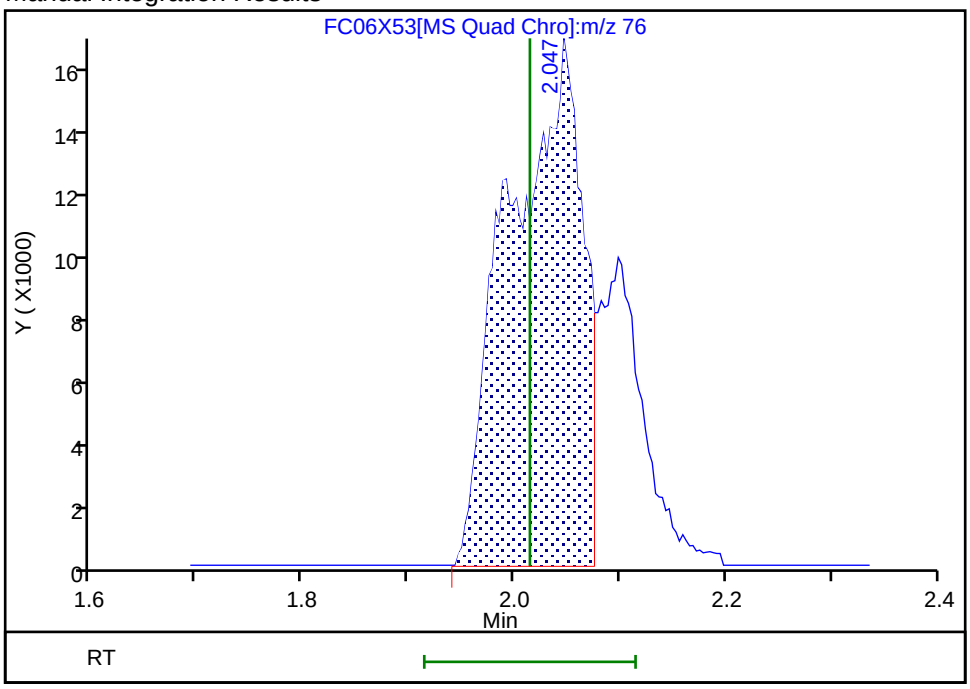
Processing Integration Results

RT: 2.05
Area: 84566
Amount: 16.127801
Amount Units: ug/l



Manual Integration Results

RT: 2.05
Area: 78373
Amount: 14.946718
Amount Units: ug/l



Reviewer: JS6E, 06-Oct-2024 21:49:02 -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

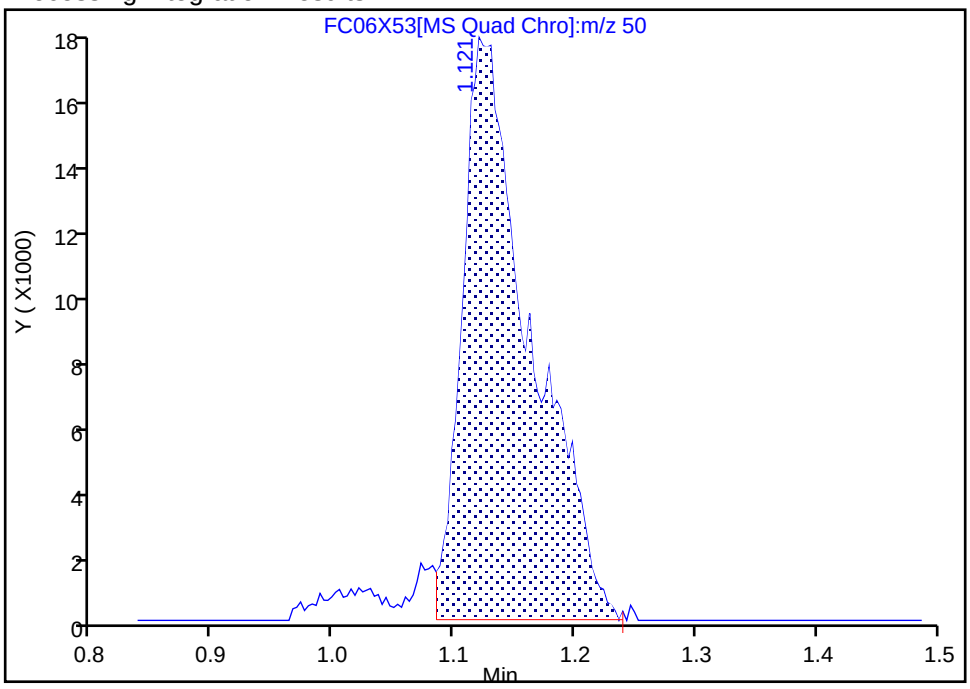
Data File:	\\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X53.D				
Injection Date:	06-Oct-2024 21:33:22	Instrument ID:	15830		
Lims ID:	LCS				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Chloromethane, CAS: 74-87-3

Signal: 1

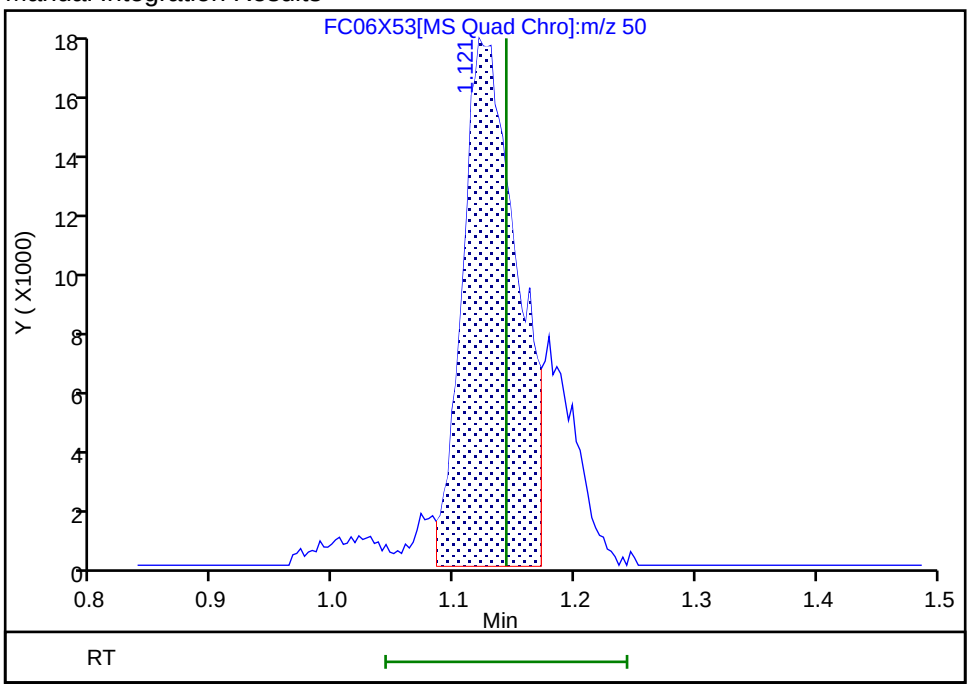
Processing Integration Results

RT: 1.12
Area: 68848
Amount: 24.049337
Amount Units: ug/l



Manual Integration Results

RT: 1.12
Area: 55465
Amount: 19.374513
Amount Units: ug/l



Reviewer: EV4P, 07-Oct-2024 15:33:52 07:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190648-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-559907/5

Matrix: Water
Lab File ID: FC06X54.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/06/2024 21:52

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	21.3		1.0	0.30
71-55-6	1,1,1-Trichloroethane	17.5		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	20.9		1.0	0.30
79-00-5	1,1,2-Trichloroethane	20.7		1.0	0.30
75-34-3	1,1-Dichloroethane	18.6		1.0	0.30
75-35-4	1,1-Dichloroethene	17.3		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	19.7		1.0	0.20
107-06-2	1,2-Dichloroethane	19.5		1.0	0.30
78-87-5	1,2-Dichloropropane	19.7		1.0	0.30
78-93-3	2-Butanone (MEK)	274		10	0.50
591-78-6	2-Hexanone	283		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	240		10	0.50
67-64-1	Acetone	219		20	0.70
71-43-2	Benzene	18.4		1.0	0.30
74-97-5	Bromochloromethane	19.6		5.0	0.20
75-27-4	Bromodichloromethane	18.7		1.0	0.20
75-25-2	Bromoform	18.9		4.0	1.0
74-83-9	Bromomethane	15.7		1.0	0.30
75-15-0	Carbon disulfide	14.6		5.0	0.30
56-23-5	Carbon tetrachloride	17.1		1.0	0.30
108-90-7	Chlorobenzene	18.4		1.0	0.30
75-00-3	Chloroethane	16.4		1.0	0.30
67-66-3	Chloroform	17.2		1.0	0.30
74-87-3	Chloromethane	17.5		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	19.1		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	16.6		1.0	0.20
124-48-1	Dibromochloromethane	19.4		1.0	0.20
100-41-4	Ethylbenzene	19.4		1.0	0.40
1634-04-4	Methyl tert-butyl ether	19.3		1.0	0.20
75-09-2	Methylene Chloride	18.4		1.0	0.30
100-42-5	Styrene	19.2		5.0	0.30
127-18-4	Tetrachloroethene	19.3		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190648-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-559907/5

Matrix: Water
Lab File ID: FC06X54.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/06/2024 21:52

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.: 559907
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	19.3		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	17.2		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	18.1		1.0	0.20
79-01-6	Trichloroethene	17.8		1.0	0.30
75-01-4	Vinyl chloride	15.1		1.0	0.30
1330-20-7	Xylenes, Total	57.6		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)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		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\15830\20241006-126925.b\FC06X54.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 06-Oct-2024 21:52:22 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 410-0126925-005
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:34:29 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: JS6E Date: 06-Oct-2024 22:14:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.011	1.031	-0.020	97	36027	20.0	12.6	
2 Chloromethane	50	1.137	1.143	-0.006	99	53000	20.0	17.5	M
3 Vinyl chloride	62	1.188	1.201	-0.013	97	41704	20.0	15.1	
4 Butadiene	39	1.191	1.201	-0.010	93	77675	20.0	24.4	
5 Bromomethane	94	1.375	1.387	-0.012	91	31212	20.0	15.7	
6 Chloroethane	64	1.391	1.410	-0.019	98	27078	20.0	16.4	
8 Pentane	43	1.552	1.564	-0.012	94	38731	20.0	12.4	
16 Dichlorofluoromethane	67	1.561	1.574	-0.013	99	71963	20.0	16.0	
7 Trichlorofluoromethane	101	1.580	1.596	-0.016	97	52439	20.0	15.6	M
22 1,2-Dichloro-1,1,2-trifluoroetha	67	1.767	1.786	-0.019	89	43840	20.0	18.5	
9 Acrolein	56	1.777	1.789	-0.012	100	103103	150.3	200.5	
10 1,1-Dichloroethene	96	1.847	1.854	-0.007	91	30326	20.0	17.3	
11 Acetone	58	1.876	1.889	-0.013	100	93649	250.0	218.8	
12 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.899	1.915	-0.016	90	29687	20.0	14.7	
13 Iodomethane	142	1.982	1.992	-0.010	96	54677	20.0	15.8	
15 Isopropyl alcohol	45	2.002	2.011	-0.009	52	45764	150.0	127.6	
14 Carbon disulfide	76	2.056	2.014	0.042	98	81073	20.0	14.6	M
18 Methyl acetate	43	2.114	2.121	-0.007	59	63617	20.0	24.7	M
17 3-Chloro-1-propene	41	2.108	2.127	-0.019	91	44913	20.0	14.1	
19 Methylene Chloride	84	2.220	2.233	-0.013	91	37074	20.0	18.4	
* 20 t-Butyl alcohol-d10 (IS)	65	2.243	2.297	-0.054	92	214399	250.0	250.0	
21 2-Methyl-2-propanol	59	2.320	2.368	-0.048	98	164398	200.0	201.3	
23 Acrylonitrile	53	2.397	2.413	-0.016	99	146754	100.0	108.2	
24 trans-1,2-Dichloroethene	96	2.416	2.429	-0.013	99	32324	20.0	17.2	
25 Methyl tert-butyl ether	73	2.423	2.439	-0.016	94	104093	20.0	19.3	
26 Hexane	57	2.638	2.651	-0.013	91	36260	20.0	15.2	
27 1,1-Dichloroethane	63	2.761	2.776	-0.016	95	59252	20.0	18.6	
28 Isopropyl ether	45	2.815	2.822	-0.007	96	97843	20.0	18.1	
29 2-Chloro-1,3-butadiene	53	2.818	2.831	-0.013	91	44401	20.0	15.7	
30 Tert-butyl ethyl ether	59	3.092	3.104	-0.012	98	101697	20.0	19.2	
31 cis-1,2-Dichloroethene	96	3.217	3.230	-0.013	79	38261	20.0	19.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Butanone (MEK)	43	3.224	3.236	-0.012	100	492889	250.0	274.1	M
33 2,2-Dichloropropane	77	3.246	3.240	0.006	70	49717	20.0	16.9	
34 Propionitrile	54	3.269	3.281	-0.012	98	89377	150.0	132.0	
35 Methacrylonitrile	67	3.388	3.397	-0.009	93	189258	150.0	157.6	
36 Chlorobromomethane	128	3.404	3.416	-0.012	93	18432	20.0	19.6	
37 Tetrahydrofuran	71	3.420	3.432	-0.012	88	57313	100.0	91.8	M
39 Chloroform	83	3.500	3.506	-0.006	93	56519	20.0	17.2	
40 1,1,1-Trichloroethane	97	3.622	3.632	-0.010	51	52250	20.0	17.5	
$ 41 Dibromofluoromethane (Surr)	113	3.622	3.632	-0.010	94	91219	50.0	49.6	
42 Cyclohexane	56	3.687	3.693	-0.006	87	55339	20.0	15.4	
43 Carbon tetrachloride	117	3.738	3.751	-0.013	91	43248	20.0	17.1	
44 1,1-Dichloropropene	75	3.748	3.757	-0.009	97	44111	20.0	18.3	
45 Isobutyl alcohol	41	3.863	3.895	-0.032	94	96306	500.0	403.9	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.886	3.899	-0.013	79	24260	50.0	51.4	
47 Benzene	78	3.899	3.908	-0.009	96	133069	20.0	18.4	
48 1,2-Dichloroethane	62	3.950	3.960	-0.010	97	43641	20.0	19.5	
49 Tert-amyl methyl ether	73	4.031	4.037	-0.006	98	100247	20.0	19.3	
* 50 Fluorobenzene (IS)	96	4.153	4.162	-0.009	99	367174	50.0	50.0	
51 n-Heptane	43	4.172	4.175	-0.003	92	29285	20.0	14.3	
52 n-Butanol	56	4.413	4.413	0.000	87	179592	1000.0	1037.0	
53 Trichloroethene	95	4.449	4.455	-0.006	99	34312	20.0	17.8	
54 Methylcyclohexane	83	4.632	4.645	-0.013	88	53576	20.0	15.7	
55 1,2-Dichloropropane	63	4.661	4.667	-0.006	96	32808	20.0	19.7	
56 2-ethoxy-2-methyl butane	87	4.683	4.686	-0.003	95	50523	20.0	18.1	
58 1,4-Dioxane	88	4.712	4.712	0.000	86	22768	500.0	656.2	M
59 Methyl methacrylate	69	4.728	4.731	-0.003	88	27900	20.0	17.1	
57 Dibromomethane	93	4.735	4.738	-0.003	91	21538	20.0	19.3	
60 Dichlorobromomethane	83	4.892	4.899	-0.007	99	38961	20.0	18.7	
61 2-Nitropropane	41	5.072	5.075	-0.003	99	12450	20.0	12.1	
62 2-Chloroethyl vinyl ether	63	5.140	5.143	-0.003	92	20978	20.0	18.5	
63 cis-1,3-Dichloropropene	75	5.259	5.262	-0.003	96	43643	20.0	16.6	
64 4-Methyl-2-pentanone (MIBK)	43	5.407	5.407	0.000	96	804572	250.0	240.5	
$ 65 Toluene-d8 (Surr)	98	5.474	5.481	-0.007	93	324608	50.0	53.0	
66 Toluene	92	5.532	5.535	-0.003	98	75073	20.0	19.3	
67 trans-1,3-Dichloropropene	75	5.735	5.738	-0.003	92	37360	20.0	18.1	
68 Ethyl methacrylate	69	5.796	5.799	-0.003	89	42719	20.0	18.4	
69 1,1,2-Trichloroethane	97	5.879	5.879	0.000	90	26860	20.0	20.7	
70 Tetrachloroethene	166	5.931	5.931	0.000	97	33422	20.0	19.3	
71 1,3-Dichloropropane	76	5.992	5.995	-0.003	90	42567	20.0	20.2	
73 2-Hexanone	43	6.050	6.050	0.000	96	576644	250.0	283.4	
74 Chlorodibromomethane	129	6.143	6.143	0.000	90	27227	20.0	19.4	
75 Ethylene Dibromide	107	6.211	6.214	-0.003	97	27940	20.0	19.7	
* 76 Chlorobenzene-d5 (IS)	117	6.529	6.532	-0.003	84	230946	50.0	50.0	
77 Chlorobenzene	112	6.548	6.551	-0.003	94	79422	20.0	18.4	
78 1-Chlorohexane	91	6.558	6.558	0.000	95	35712	20.0	16.9	
79 1,1,1,2-Tetrachloroethane	131	6.616	6.616	0.000	95	33734	20.0	21.3	
80 Ethylbenzene	91	6.619	6.622	-0.003	98	148261	20.0	19.4	
81 m-Xylene & p-Xylene	106	6.706	6.706	0.000	98	114285	40.0	37.7	
82 o-Xylene	106	6.944	6.944	0.000	95	62180	20.0	19.9	
83 Styrene	104	6.953	6.956	-0.003	95	89691	20.0	19.2	
84 Bromoform	173	7.056	7.056	0.000	98	20574	20.0	18.9	
85 Isopropylbenzene	105	7.165	7.165	0.000	95	166747	20.0	21.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 86 4-Bromofluorobenzene (Surr)	95	7.262	7.262	0.000	93	111271	50.0	49.3	
87 Bromobenzene	156	7.336	7.339	-0.003	90	35819	20.0	19.4	
88 1,1,2,2-Tetrachloroethane	83	7.352	7.352	0.000	94	50795	20.0	20.9	
89 trans-1,4-Dichloro-2-butene	53	7.371	7.371	0.000	94	35737	100.0	48.1	
90 1,2,3-Trichloropropane	110	7.378	7.378	0.000	82	16335	20.0	20.4	
91 N-Propylbenzene	91	7.403	7.407	-0.004	99	174759	20.0	19.4	
92 2-Chlorotoluene	126	7.452	7.452	0.000	97	36343	20.0	19.0	
93 1,3,5-Trimethylbenzene	105	7.510	7.513	-0.003	95	133562	20.0	19.6	
94 4-Chlorotoluene	126	7.519	7.522	-0.003	98	34690	20.0	19.1	
95 tert-Butylbenzene	134	7.683	7.683	0.000	92	26515	20.0	19.2	
96 1,2,4-Trimethylbenzene	105	7.715	7.715	0.000	97	132875	20.0	19.5	
97 sec-Butylbenzene	105	7.805	7.805	0.000	94	158262	20.0	19.3	
98 1,3-Dichlorobenzene	146	7.863	7.863	0.000	98	66530	20.0	19.2	
99 4-Isopropyltoluene	119	7.889	7.889	0.000	97	140070	20.0	19.3	
* 100 1,4-Dichlorobenzene-d4	152	7.908	7.908	0.000	93	133724	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.921	7.921	0.000	96	68350	20.0	19.6	
102 1,2,3-Trimethylbenzene	105	7.937	7.937	0.000	97	135763	20.0	19.4	
103 Benzyl chloride	91	7.982	7.982	0.000	98	84934	20.0	17.6	
104 1,3-Diethylbenzene	119	8.040	8.040	0.000	95	78039	20.0	19.2	
105 p-Diethylbenzene	119	8.091	8.091	0.000	95	82803	20.0	19.6	
106 n-Butylbenzene	92	8.104	8.104	0.000	98	62435	20.0	19.2	
107 1,2-Dichlorobenzene	146	8.111	8.111	0.000	98	72109	20.0	20.4	
108 o-diethylbenzene	119	8.143	8.143	0.000	94	66654	20.0	19.5	
109 1,2-Dibromo-3-Chloropropane	75	8.516	8.516	0.000	88	16487	20.0	18.9	
110 1,3,5-Trichlorobenzene	180	8.612	8.612	0.000	98	51293	20.0	21.2	
111 1,2,4-Trichlorobenzene	180	8.931	8.931	0.000	94	52094	20.0	21.2	
112 Hexachlorobutadiene	225	9.005	9.005	0.000	96	17700	20.0	19.4	
113 Naphthalene	128	9.063	9.062	0.000	97	230922	20.0	22.0	
114 1,2,3-Trichlorobenzene	180	9.172	9.172	0.000	96	55592	20.0	22.4	
115 2-Methylnaphthalene	142	9.619	9.619	0.000	93	141948	20.0	24.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00187	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00191	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00192	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00218	Amount Added: 50.00	Units: uL	
MSV_Cent_ISSS_00031	Amount Added: 5.00	Units: uL	Run Reagent

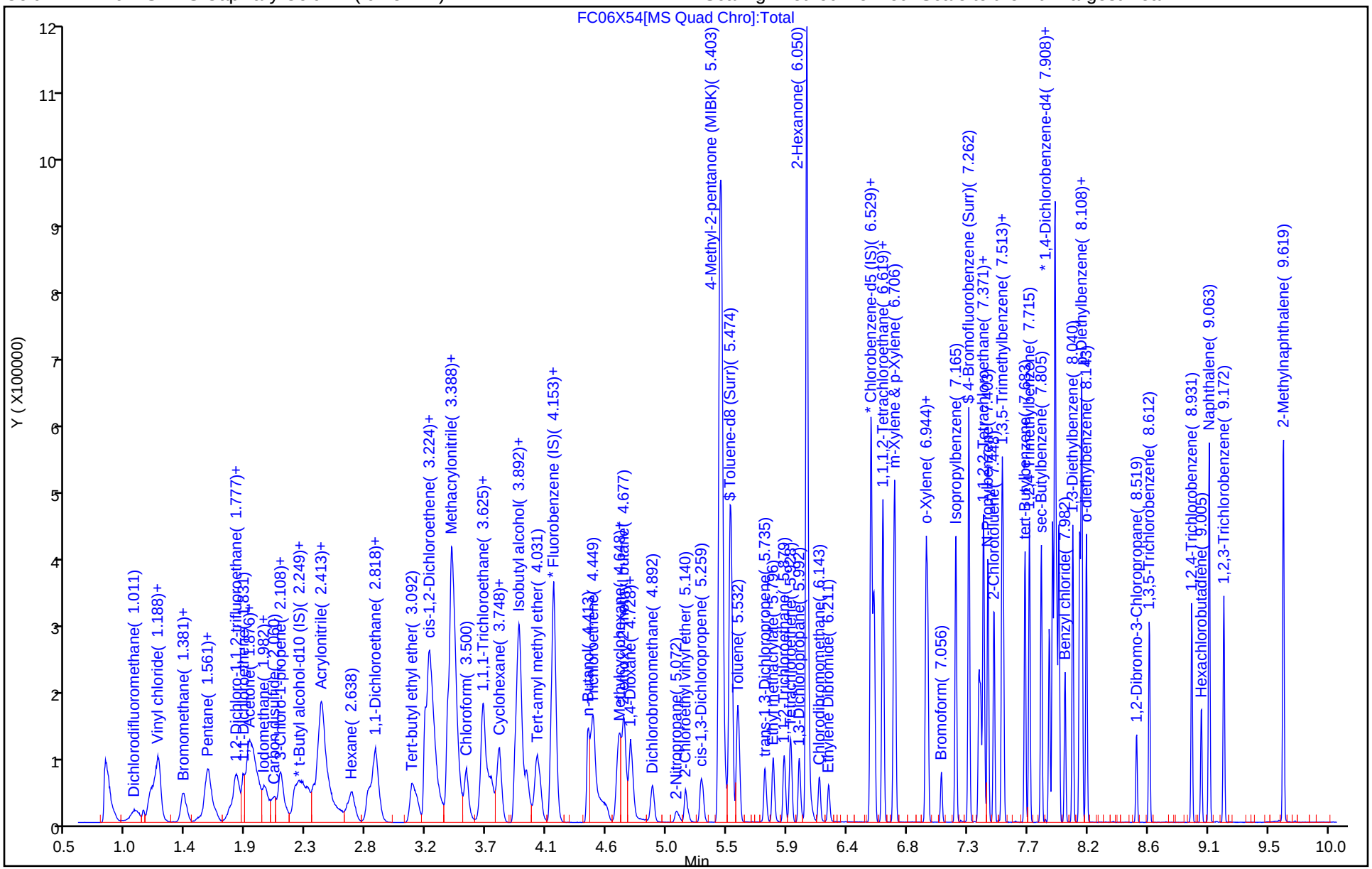
Report Date: 07-Oct-2024 15:34:52 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X54.D

Injection Date:	06-Oct-2024 21:52:22	Instrument ID:	15830	Operator ID:	gaw91131
Lims ID:	LCSD			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	MSVoa_15830_PT2	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\15830\20241006-126925.b\FC06X54.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 06-Oct-2024 21:52:22 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 410-0126925-005
Operator ID: gaw91131 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Oct-2024 15:34:29 Calib Date: 27-Jun-2024 21:13:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20240627-117886.b\FU27X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: JS6E Date: 06-Oct-2024 22:14:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 41 Dibromofluoromethane (Surr)	50.0	49.6	99.10
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	51.4	102.75
$ 65 Toluene-d8 (Surr)	50.0	53.0	105.93
$ 86 4-Bromofluorobenzene (Surr)	50.0	49.3	98.66

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

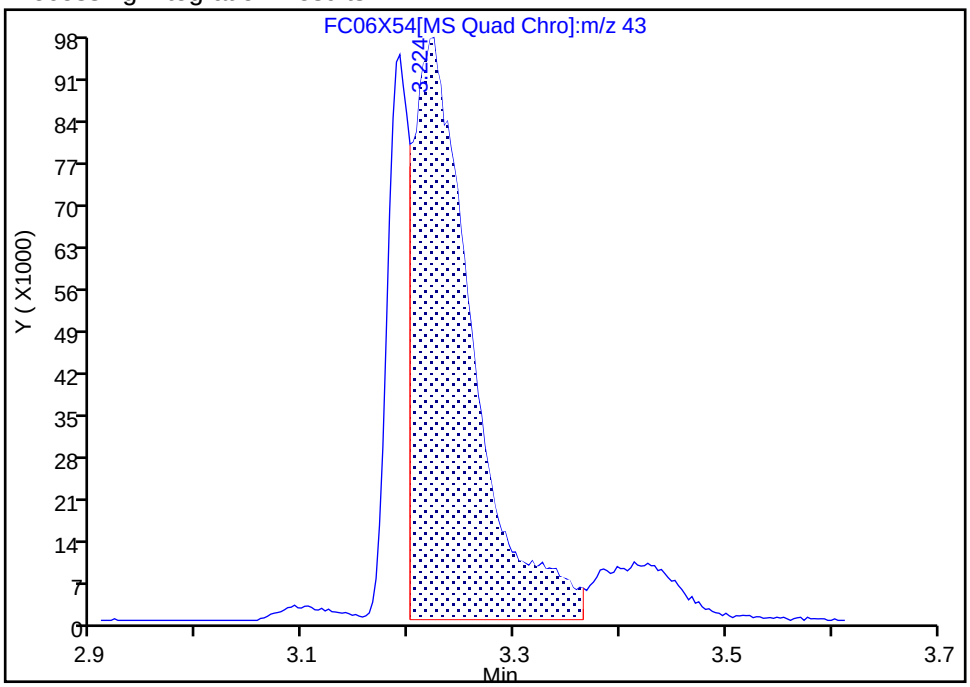
Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X54.D
Injection Date: 06-Oct-2024 21:52:22 Instrument ID: 15830
Lims ID: LCSD
Client ID:
Operator ID: gaw91131 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

32 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

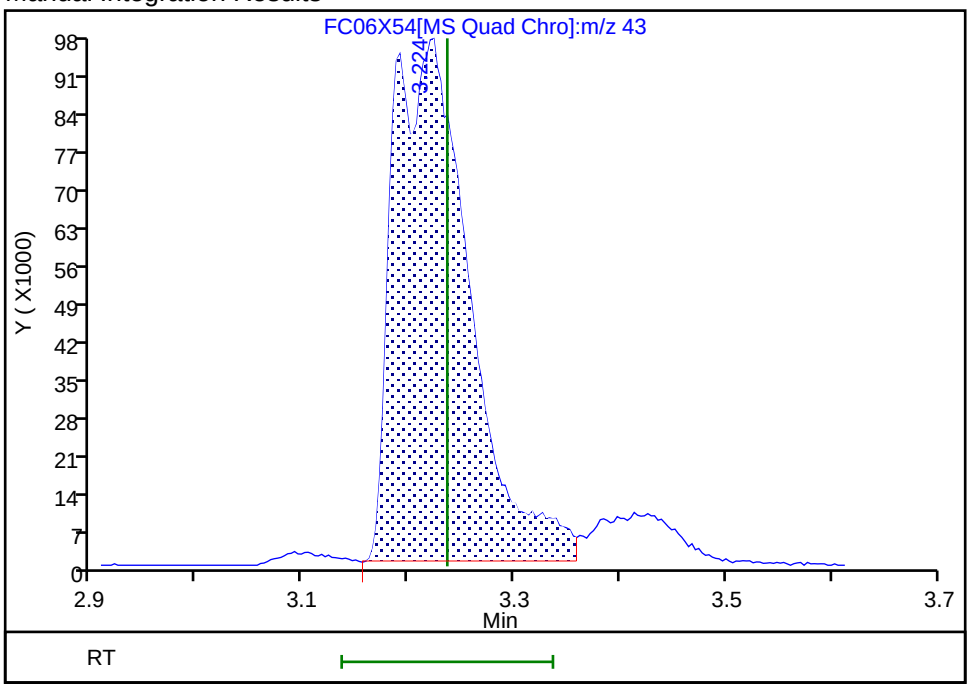
Processing Integration Results

RT: 3.22
Area: 381906
Amount: 212.3667
Amount Units: ug/l



Manual Integration Results

RT: 3.22
Area: 492889
Amount: 274.0810
Amount Units: ug/l



Reviewer: JS6E, 06-Oct-2024 22:13:42 -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

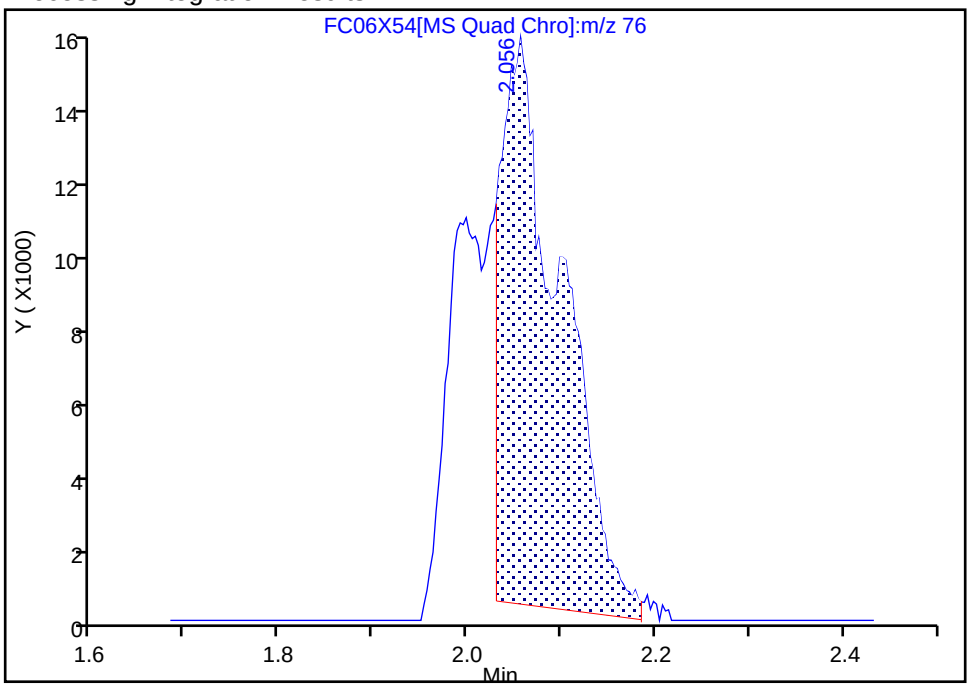
Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X54.D
Injection Date: 06-Oct-2024 21:52:22 Instrument ID: 15830
Lims ID: LCSD
Client ID:
Operator ID: gaw91131 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

14 Carbon disulfide, CAS: 75-15-0

Signal: 1

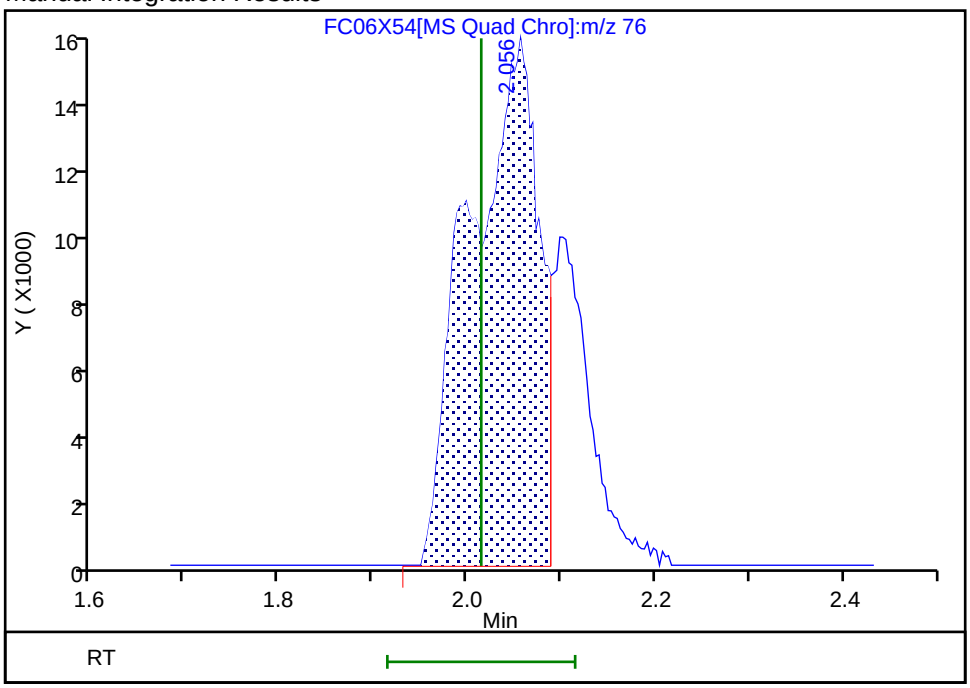
Processing Integration Results

RT: 2.06
Area: 68952
Amount: 12.425244
Amount Units: ug/l



Manual Integration Results

RT: 2.06
Area: 81073
Amount: 14.609465
Amount Units: ug/l



Reviewer: JS6E, 06-Oct-2024 22:12:24 -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

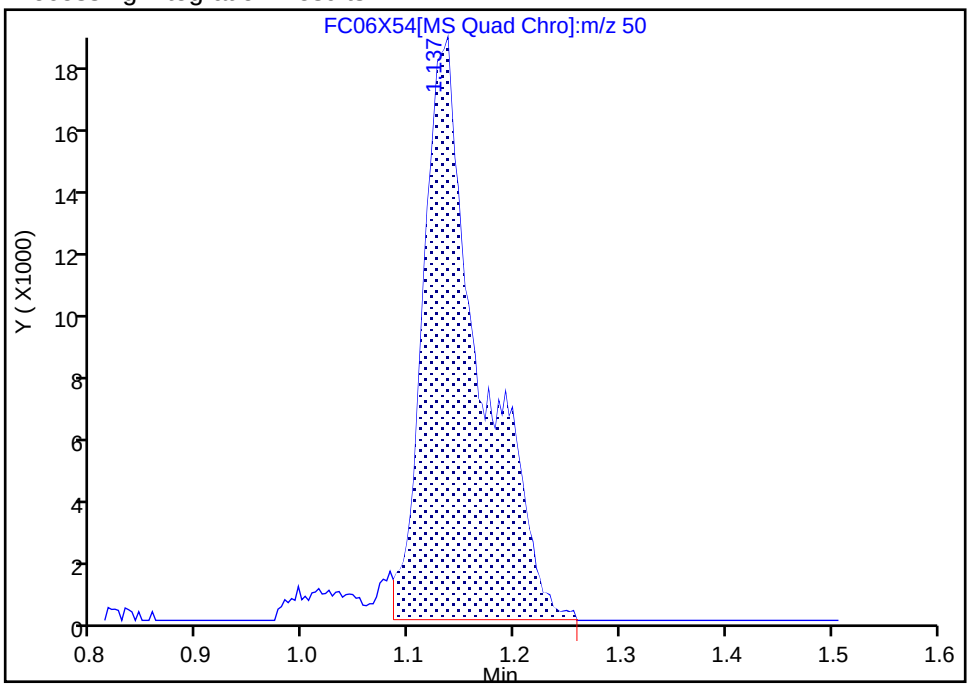
Data File: \\chromfs\Lancaster\ChromData\15830\20241006-126925.b\FC06X54.D
Injection Date: 06-Oct-2024 21:52:22 Instrument ID: 15830
Lims ID: LCSD
Client ID:
Operator ID: gaw91131 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Chloromethane, CAS: 74-87-3

Signal: 1

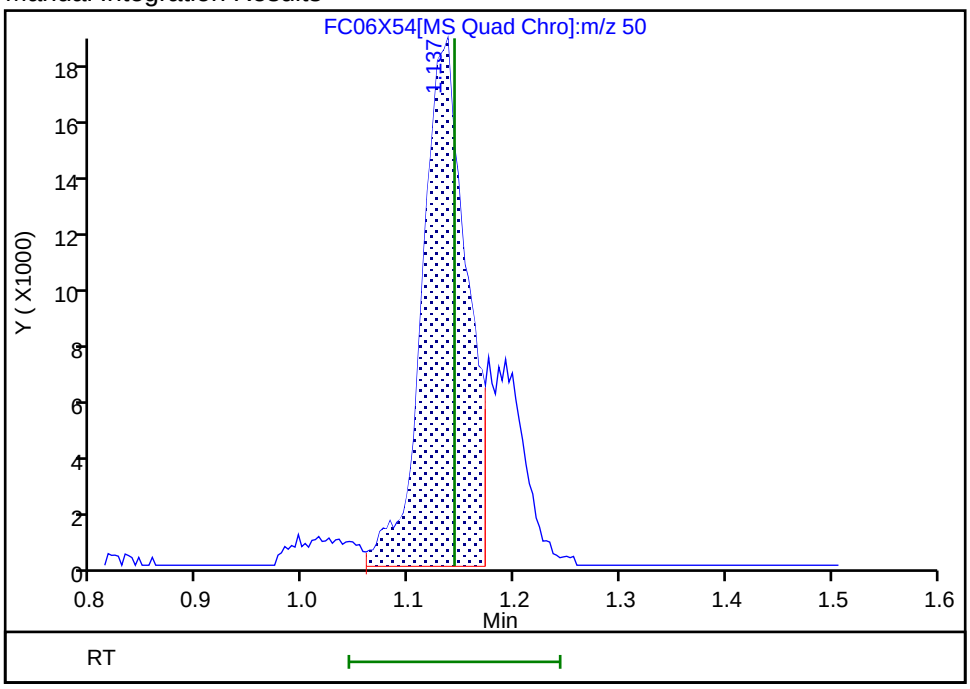
Processing Integration Results

RT: 1.14
Area: 67653
Amount: 22.329425
Amount Units: ug/l



Manual Integration Results

RT: 1.14
Area: 53000
Amount: 17.493083
Amount Units: ug/l



Reviewer: JS6E, 06-Oct-2024 22:11:44 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-190648-1

SDG No.:

Instrument ID: 15830

Start Date: 06/27/2024 16:52

Analysis Batch Number: 522257

End Date: 06/27/2024 22:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-522257/1		06/27/2024 16:52	1	copy_FU27T01.D	R-624SilMS 30m 0.25(mm)
IC 410-522257/4		06/27/2024 18:19	1	FU27X06.D	R-624SilMS 30m 0.25(mm)
IC 410-522257/5		06/27/2024 18:47	1	FU27X08.D	R-624SilMS 30m 0.25(mm)
IC 410-522257/6		06/27/2024 19:16	1	FU27X10.D	R-624SilMS 30m 0.25(mm)
IC 410-522257/7		06/27/2024 19:46	1	FU27X12.D	R-624SilMS 30m 0.25(mm)
ICIS 410-522257/8		06/27/2024 20:14	1	FU27X14.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-522257/1008		06/27/2024 20:14	1		R-624SilMS 30m 0.25(mm)
IC 410-522257/9		06/27/2024 20:44	1	FU27X16.D	R-624SilMS 30m 0.25(mm)
IC 410-522257/10		06/27/2024 21:13	1	FU27X18.D	R-624SilMS 30m 0.25(mm)
ICV 410-522257/12		06/27/2024 22:11	1	FU27X22.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		06/27/2024 22:11	1		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Instrument ID: 15830 Start Date: 10/06/2024 20:37

Analysis Batch Number: 559907 End Date: 10/07/2024 05:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-559907/1		10/06/2024 20:37	1	FC06T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-559907/3		10/06/2024 21:14	1	FC06X52.D	R-624SilMS 30m 0.25(mm)
LCS 410-559907/4		10/06/2024 21:33	1	FC06X53.D	R-624SilMS 30m 0.25(mm)
LCSD 410-559907/5		10/06/2024 21:52	1	FC06X54.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/06/2024 22:11	1		R-624SilMS 30m 0.25(mm)
MB 410-559907/7		10/06/2024 22:30	1	FC06X56.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/06/2024 22:50	1		R-624SilMS 30m 0.25(mm)
410-190648-10	HD-QC2-0/1-2	10/06/2024 23:09	1	FC06X58.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/06/2024 23:29	20		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/06/2024 23:48	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/07/2024 00:07	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/07/2024 00:26	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/07/2024 00:46	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/07/2024 01:05	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/07/2024 01:24	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/07/2024 01:44	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/07/2024 02:03	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/07/2024 02:22	1		R-624SilMS 30m 0.25(mm)
410-190648-1	HD-MW-67D-0/1-0	10/07/2024 02:42	1	FC06X69.D	R-624SilMS 30m 0.25(mm)
410-190648-2	HD-MW-67S-0/1-0	10/07/2024 03:01	1	FC06X70.D	R-624SilMS 30m 0.25(mm)
410-190648-3	HD-CW-2-0/1-0	10/07/2024 03:20	1	FC06X71.D	R-624SilMS 30m 0.25(mm)
410-190648-4	HD-MW-143D-0/1-0	10/07/2024 03:39	1	FC06X72.D	R-624SilMS 30m 0.25(mm)
410-190648-5	HD-MW-12-0/1-0	10/07/2024 03:58	1	FC06X73.D	R-624SilMS 30m 0.25(mm)
410-190648-6	HD-CW-1A-0/1-0	10/07/2024 04:18	1	FC06X74.D	R-624SilMS 30m 0.25(mm)
410-190648-7	HD-MW-3-0/1-0	10/07/2024 04:37	1	FC06X75.D	R-624SilMS 30m 0.25(mm)
410-190648-8	HD-MW-2-0/1-0	10/07/2024 04:56	1	FC06X76.D	R-624SilMS 30m 0.25(mm)
410-190648-9	HD-MW-65S-0/1-0	10/07/2024 05:16	1	FC06X77.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-190648-1

SDG No.:

Batch Number: 522257 | Batch Start Date: 06/27/24 16:52 | 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_4ppb_Wkly 00003	MSV_CCV_2CEVE 00181	MSV_CCV_GASES 00816
BFB 410-522257/1		8260D			1 uL	1 uL				
IC 410-522257/4		8260D			5 mL	5 mL	2750	25 mL		
IC 410-522257/5		8260D			5 mL	5 mL	2750		4 uL	2 uL
IC 410-522257/6		8260D			5 mL	5 mL	2750		2 uL	1 uL
IC 410-522257/7		8260D			5 mL	5 mL	2750		4 uL	2 uL
ICIS 410-522257/8		8260D			5 mL	5 mL	2750		5 uL	2.5 uL
IC 410-522257/9		8260D			5 mL	5 mL	2750		5 uL	2.5 uL
IC 410-522257/10		8260D			5 mL	5 mL	2750		15 uL	7.5 uL
ICV 410-522257/12		8260D			5 mL	5 mL	2750			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_VOC#1 00189	MSV_CCV_VOC#3 00185	MSV_Cent_ISSS 00027	MSV_LCS_2CEVE 00177	MSV_LCS_ACROL 00176	MSV_LCS_VOC#1 00173
BFB 410-522257/1		8260D								
IC 410-522257/4		8260D					5 uL			
IC 410-522257/5		8260D			4 uL	3.2 uL	5 uL			
IC 410-522257/6		8260D			2 uL	1.6 uL	5 uL			
IC 410-522257/7		8260D			4 uL	3.2 uL	5 uL			
ICIS 410-522257/8		8260D			5 uL	4 uL	5 uL			
IC 410-522257/9		8260D			5 uL	4 uL	5 uL			
IC 410-522257/10		8260D			15 uL	12 uL	5 uL			
ICV 410-522257/12		8260D					5 uL	50 uL	50 uL	50 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_QC_2K_GAS 00221	MSV_V_BFB 00017				
BFB 410-522257/1		8260D				1 uL				
IC 410-522257/4		8260D								
IC 410-522257/5		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.: 410-190648-1

SDG No.:

Batch Number: 522257 Batch Start Date: 06/27/24 16:52 Batch Analyst: Sposito, Kevin A

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_QC_2K_GAS 00221	MSV_V_BFB 00017				
IC 410-522257/6		8260D								
IC 410-522257/7		8260D								
ICIS 410-522257/8		8260D								
IC 410-522257/9		8260D								
IC 410-522257/10		8260D								
ICV 410-522257/12		8260D			1 uL					

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.: 410-190648-1

SDG No.:

Batch Number: 559907 | Batch Start Date: 10/06/24 20:37 | Batch Analyst: Walmer, Gavin

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 410-559907/1		8260D			1 uL	1 uL				
CCVIS 410-559907/3		8260D			5 mL	5 mL				2768
LCS 410-559907/4		8260D			5 mL	5 mL				2768
LCSD 410-559907/5		8260D			5 mL	5 mL				2768
MB 410-559907/7		8260D			5 mL	5 mL				2768
410-190648-A-10	HD-QC2-0/1-2	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190648-A-1	HD-MW-67D-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190648-A-2	HD-MW-67S-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190648-A-3	HD-CW-2-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190648-A-4	HD-MW-143D-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190648-A-5	HD-MW-12-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190648-A-6	HD-CW-1A-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190648-A-7	HD-MW-3-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190648-D-8	HD-MW-2-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190648-A-9	HD-MW-65S-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 00195	MSV_CCV_GASES 00869	MSV_CCV_VOC#1 00203	MSV_CCV_VOC#3 00200	MSV_Cent_ISSS 00031	MSV_LCS_2CEVE 00192
BFB 410-559907/1		8260D								
CCVIS 410-559907/3		8260D			5 uL	2.5 uL	5 uL	4 uL	5 uL	
LCS 410-559907/4		8260D							5 uL	50 uL
LCSD 410-559907/5		8260D							5 uL	50 uL
MB 410-559907/7		8260D							5 uL	
410-190648-A-10	HD-QC2-0/1-2	8260D	Water	T					5 uL	
410-190648-A-1	HD-MW-67D-0/1-0	8260D	Water	T					5 uL	
410-190648-A-2	HD-MW-67S-0/1-0	8260D	Water	T					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.: 410-190648-1

SDG No.:

Batch Number: 559907 | Batch Start Date: 10/06/24 20:37 | Batch Analyst: Walmer, Gavin

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00195	MSV_CCV_GASES 00869	MSV_CCV_VOC#1 00203	MSV_CCV_VOC#3 00200	MSV_Cent_ISSS 00031	MSV_LCS_2CEVE 00192
410-190648-A-3	HD-CW-2-0/1-0	8260D	Water	T					5 uL	
410-190648-A-4	HD-MW-143D-0/1-0	8260D	Water	T					5 uL	
410-190648-A-5	HD-MW-12-0/1-0	8260D	Water	T					5 uL	
410-190648-A-6	HD-CW-1A-0/1-0	8260D	Water	T					5 uL	
410-190648-A-7	HD-MW-3-0/1-0	8260D	Water	T					5 uL	
410-190648-D-8	HD-MW-2-0/1-0	8260D	Water	T					5 uL	
410-190648-A-9	HD-MW-65S-0/1-0	8260D	Water	T					5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00191	MSV_LCS_Gases 00218	MSV_LCS_VOC#1 00187	MSV_V_BFB 00017		
BFB 410-559907/1		8260D						1 uL		
CCVIS 410-559907/3		8260D								
LCS 410-559907/4		8260D			50 uL	50 uL	50 uL			
LCSD 410-559907/5		8260D			50 uL	50 uL	50 uL			
MB 410-559907/7		8260D								
410-190648-A-10	HD-QC2-0/1-2	8260D	Water	T						
410-190648-A-1	HD-MW-67D-0/1-0	8260D	Water	T						
410-190648-A-2	HD-MW-67S-0/1-0	8260D	Water	T						
410-190648-A-3	HD-CW-2-0/1-0	8260D	Water	T						
410-190648-A-4	HD-MW-143D-0/1-0	8260D	Water	T						
410-190648-A-5	HD-MW-12-0/1-0	8260D	Water	T						
410-190648-A-6	HD-CW-1A-0/1-0	8260D	Water	T						
410-190648-A-7	HD-MW-3-0/1-0	8260D	Water	T						
410-190648-D-8	HD-MW-2-0/1-0	8260D	Water	T						
410-190648-A-9	HD-MW-65S-0/1-0	8260D	Water	T						

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.: 410-190648-1

SDG No.:

Batch Number: 559907 | Batch Start Date: 10/06/24 20:37 | Batch Analyst: Walmer, Gavin

Batch Method: 8260D | Batch End Date:

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: 410-190648-1

SDG No.:

Project: 2024 Comprehensive Sampling

Client Sample ID	Lab Sample ID
HD-MW-2-0/1-0	410-190648-8

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Pensacola Job Number: 410-190648-1

SDG No.:

Project: 2024 Comprehensive Sampling

Client Sample ID	Lab Sample ID
HD-MW-2-0/1-0	410-190648-8

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job Number: 410-190648-1

SDG No.:

Project: 2024 Comprehensive Sampling

Client Sample ID	Lab Sample ID
HD-MW-2-0/1-0	410-190648-8

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: HD-MW-2-0/1-0 Lab Sample ID: 410-190648-8

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG ID.:

Matrix: Water Date Sampled: 10/01/2024 11:25

Reporting Basis: WET Date Received: 10/02/2024 15:00

Preparation Batch Number: 562235 Instrument ID: S0027

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.062	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: HD-MW-2-0/1-0 Lab Sample ID: 410-190648-8

Lab Name: Eurofins Pensacola Job No.: 410-190648-1

SDG ID.:

Matrix: Water Date Sampled: 10/01/2024 11:25

Reporting Basis: WET Date Received: 10/02/2024 15:00

Preparation Batch Number: 687172 Instrument ID: Hulk

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Cyanide, Amenable	500	25	18	ug/L		!	5	9014

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: HD-MW-2-0/1-0 Lab Sample ID: 410-190648-8

Lab Name: Eurofins Pittsburgh Job No.: 410-190648-1

SDG ID.:

Matrix: Water Date Sampled: 10/01/2024 11:25

Reporting Basis: WET Date Received: 10/02/2024 15:00

Preparation Batch Number: Instrument ID: ALPKEM3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Cyanide, Available	0.0052	0.0020	0.0016	mg/L			1	OIA - 1677

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Analyst: UJE2 Batch Start Date: 10/14/2024

Reporting Units: mg/L Analytical Batch No.: 563308

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
10	ICV	17:28	Cyanide, Total	0.192	0.200	96	90-110		WC_FL_CCVCN_00775
11	ICB	17:28	Cyanide, Total	ND					
22	CCV	17:37	Cyanide, Total	0.194	0.200	97	90-110		WC_FL_CCVCN_00775
23	CCB	17:38	Cyanide, Total	ND					
34	CCV	17:46	Cyanide, Total	0.191	0.200	96	90-110		WC_FL_CCVCN_00775
35	CCB	17:49	Cyanide, Total	ND					
46	CCV	17:57	Cyanide, Total	0.191	0.200	96	90-110		WC_FL_CCVCN_00775
47	CCB	17:58	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 Pensacola Job No.: 410-190648-1

SDG No.:

Analyst: VB Batch Start Date: 10/09/2024

Reporting Units: mg/L Analytical Batch No.: 687552

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	15:25	Cyanide, Amenable	0.138	0.127	109			CNLCSINT_00056
2	ICB	15:26	Cyanide, Amenable	ND					
3	CCV	15:26	Cyanide, Amenable	0.100	0.100	100	90-110		CN-CCV-I_00826
4	CCB	15:27	Cyanide, Amenable	ND					
9	CCV	15:37	Cyanide, Amenable	0.106	0.100	106	90-110		CN-CCV-I_00826
10	CCB	15:38	Cyanide, Amenable	ND					
13	CCV	15:40	Cyanide, Amenable	0.102	0.100	102	90-110		CN-CCV-I_00826
14	CCB	15:41	Cyanide, Amenable	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.: 410-190648-1

SDG No.:

Analyst: SNR Batch Start Date: 10/08/2024

Reporting Units: mg/L Analytical Batch No.: 481286

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
23	ICV	14:09	Cyanide, Available	0.0526	0.0500	105	85-115		WAvCN 50 ICV_00864
24	ICB	14:11	Cyanide, Available	ND					
37	CCV	14:30	Cyanide, Available	0.0510	0.0500	102	86-118		WAvCN0.05 Std_00949
38	CCB	14:32	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.: 410-190648-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 563308	Date: 10/14/2024 17:29	Prep Batch: 562235	Date: 10/11/2024 13:15				
9012B	MB 410-562235/2-A	Cyanide, Total	ND		mg/L	0.010	1

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins Pensacola Job No.: 410-190648-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 687552	Date: 10/09/2024 15:34	Prep Batch: 687172	Date: 10/08/2024 13:50				
9014	MB 400-687172/1-A	Cyanide, Amenable	ND		ug/L	5.0	1

FORM III-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 410-190648-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 481286	Date: 10/08/2024 14:14						
OIA - 1677	MB 180-481286/26	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.: 410-190648-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 563308	Date: 10/14/2024 17:29		Prep Batch: 562235		Date: 10/11/2024 13:15						
					LCS Source: WC-PR20mg/lQC_01226						
9012B	LCS 410-562235/1-A	Cyanide, Total	0.191		mg/L	0.200	96	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 Pensacola Job No.: 410-190648-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 687552	Date: 10/09/2024 15:34		Prep Batch: 687172		Date: 10/08/2024 13:50						
					LCS Source: CNLCSINT_00056						
9014	LCS 400-687172/2-A	Cyanide, Amenable	144		ug/L	127	113	75-125			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: Eurofins Pensacola Job No.: 410-190648-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 687552 Date: 10/09/2024 16:13											
						LCS Source: CN-CCV-I_00826					
9014	MRL 400-687552/15	Cyanide, Amenable	0.00221	J	mg/L	0.00400	55	50-150			

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.: 410-190648-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 481286	Date: 10/08/2024 14:15										
						LCS Source: WAvCN 50LCS_00803					
OIA - 1677	LCS 180-481286/27	Cyanide, Available	0.0512		mg/L	0.0501	102	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: 410-190648-1

SDG Number:

Matrix: Water Instrument ID: S0027

Method: 9012B MDL Date: 01/01/2018 13:01

Prep Method: 9012B

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Cyanide, Total		0.01	0.005

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-190648-1

SDG Number:

Matrix: Water Instrument ID: S0027

Method: 9012B XMDL Date: 11/07/2018 12:39

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.005

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Pensacola Job Number: 410-190648-1

SDG Number:

Matrix: Water Instrument ID: Hulk

Method: 9014 MDL Date: 02/17/2014 15:27

Prep Method: 9010C

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Cyanide, Amenable		0.005	0.0035

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Pensacola Job Number: 410-190648-1

SDG Number:

Matrix: Water Instrument ID: Hulk

Method: 9014 XMDL Date: 08/12/2008 08:56

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Amenable		0.005	0.0022

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job Number: 410-190648-1

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: 410-190648-1

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.: 410-190648-1

SDG No.:

Prep Method: 9012B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LCS 410-562235/1-A	10/11/2024 13:15	562235		50	50
MB 410-562235/2-A	10/11/2024 13:15	562235		50	50
410-190648-8	10/11/2024 13:15	562235		50	50

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pensacola Job No.: 410-190648-1

SDG No.:

Prep Method: 9010C

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 400-687172/1-A	10/08/2024 13:50	687172		6	6
LCS 400-687172/2-A	10/08/2024 13:50	687172		6	6
410-190648-8	10/08/2024 13:50	687172		6	6

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Instrument ID: S0027 Analysis Method: 9012B

Start Date: 10/14/2024 17:20 End Date: 10/14/2024 19:00

Lab Sample Id	D/F	Type	Time	Analytes																										
				CN																										
IC 410-563308/1			17:20	X																										
IC 410-563308/2			17:21	X																										
IC 410-563308/3			17:21	X																										
IC 410-563308/4			17:21	X																										
IC 410-563308/5			17:24	X																										
IC 410-563308/6			17:24	X																										
IC 410-563308/7			17:25	X																										
ZZZZZZ			17:25																											
ZZZZZZ			17:26																											
ICV 410-563308/10	1		17:28	X																										
ICB 410-563308/11	1		17:28	X																										
LCS 410-562235/1-A	1	T	17:29	X																										
MB 410-562235/2-A	1	T	17:29	X																										
ZZZZZZ (Client)			17:30																											
ZZZZZZ (QC)			17:32																											
ZZZZZZ (QC)			17:33																											
ZZZZZZ (Client)			17:33																											
ZZZZZZ (Client)			17:33																											
ZZZZZZ (Client)			17:34																											
ZZZZZZ (Client)			17:36																											
ZZZZZZ (Client)			17:37																											
CCV 410-563308/22	1		17:37	X																										
CCB 410-563308/23	1		17:38	X																										
ZZZZZZ (Client)			17:38																											
ZZZZZZ (Client)			17:40																											
ZZZZZZ (Client)			17:41																											
ZZZZZZ (Client)			17:41																											
ZZZZZZ (Client)			17:42																											
ZZZZZZ (QC)			17:42																											
ZZZZZZ (QC)			17:44																											
ZZZZZZ (Client)			17:45																											
ZZZZZZ (Client)			17:45																											
ZZZZZZ (Client)			17:46																											
CCV 410-563308/34	1		17:46	X																										
CCB 410-563308/35	1		17:49	X																										
ZZZZZZ (Client)			17:49																											
ZZZZZZ (Client)			17:49																											
410-190648-8	1	T	17:50	X																										
ZZZZZZ (Client)			17:50																											
ZZZZZZ (Client)			17:53																											
ZZZZZZ (Client)			17:53																											

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Instrument ID: S0027 Analysis Method: 9012B

Start Date: 10/14/2024 17:20 End Date: 10/14/2024 19:00

Lab Sample Id	D/F	Type	Time	Analytes																										
				CN																										
ZZZZZZ (QC)			17:54																											
ZZZZZZ (QC)			17:54																											
ZZZZZZ (Client)			17:54																											
ZZZZZZ (QC)			17:57																											
CCV 410-563308/46	1		17:57	X																										
CCB 410-563308/47	1		17:58	X																										
ZZZZZZ (QC)			17:58																											
ZZZZZZ (Client)			17:59																											
ZZZZZZ (Client)			18:01																											
ZZZZZZ (Client)			18:01																											
ZZZZZZ (Client)			18:02																											
ZZZZZZ (Client)			18:02																											
ZZZZZZ (Client)			18:03																											
ZZZZZZ (Client)			18:05																											
ZZZZZZ (Client)			18:06																											
ZZZZZZ (Client)			18:06																											
CCV 410-563308/58			18:06																											
CCB 410-563308/59			18:07																											
ZZZZZZ (Client)			18:09																											
ZZZZZZ (QC)			18:10																											
ZZZZZZ (QC)			18:10																											
ZZZZZZ (Client)			18:11																											
ZZZZZZ (Client)			18:11																											
ZZZZZZ (Client)			18:13																											
ZZZZZZ (Client)			18:14																											
ZZZZZZ (Client)			18:14																											
ZZZZZZ (Client)			18:15																											
ZZZZZZ (Client)			18:15																											
CCV 410-563308/70			18:18																											
CCB 410-563308/71			18:18																											
ZZZZZZ (Client)			18:18																											
ZZZZZZ (Client)			18:19																											
ZZZZZZ (QC)			18:19																											
ZZZZZZ			18:22																											
ZZZZZZ (QC)			18:22																											
ZZZZZZ (Client)			18:23																											
ZZZZZZ (QC)			18:23																											
ZZZZZZ (QC)			18:23																											
ZZZZZZ (Client)			18:26																											
ZZZZZZ (Client)			18:26																											
CCV 410-563308/82			18:27																											

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190648-1

SDG No.:

Instrument ID: S0027 Analysis Method: 9012B

Start Date: 10/14/2024 17:20 End Date: 10/14/2024 19:00

Lab Sample Id	D/F	Type	Time	Analytes																									
				CN																									
CCB 410-563308/83			18:27																										
ZZZZZZ (Client)			18:28																										
ZZZZZZ (Client)			18:30																										
ZZZZZZ (Client)			18:30																										
ZZZZZZ (Client)			18:31																										
ZZZZZZ (Client)			18:31																										
ZZZZZZ (Client)			18:32																										
ZZZZZZ (Client)			18:34																										
ZZZZZZ (Client)			18:34																										
ZZZZZZ (Client)			18:35																										
ZZZZZZ (Client)			18:35																										
CCV 410-563308/94			18:36																										
CCB 410-563308/95			18:38																										
ZZZZZZ (Client)			18:39																										
ZZZZZZ (Client)			18:39																										
ZZZZZZ (Client)			18:39																										
CCV 410-563308/99			18:40																										
CCB 410-563308/100			18:42																										
CCV 410-563308/101			18:55																										
CCB 410-563308/102			18:55																										
ZZZZZZ (QC)			18:56																										
ZZZZZZ (QC)			18:56																										
ZZZZZZ (QC)			18:58																										
ZZZZZZ (QC)			18:59																										
CCV 410-563308/107			18:59																										
CCB 410-563308/108			19:00																										

Prep Types:
T = Total/NA

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pensacola Job No.: 410-190648-1

SDG No.:

Instrument ID: Hulk Analysis Method: 9014

Start Date: 10/09/2024 15:25 End Date: 10/09/2024 16:13

Lab Sample Id	D/F	Type	Time	Analytes
				CNAm
ICV 400-687552/1	1		15:25	X
ICB 400-687552/2	1		15:26	X
CCV 400-687552/3	1		15:26	X
CCB 400-687552/4	1		15:27	X
MB 400-687172/1-A	1	T	15:34	X
LCS 400-687172/2-A	1	T	15:34	X
ZZZZZZ (Client)			15:35	
ZZZZZZ (Client)			15:36	
CCV 400-687552/9	1		15:37	X
CCB 400-687552/10	1		15:38	X
410-190648-8	5	T	15:38	X
ZZZZZZ (Client)			15:39	
CCV 400-687552/13	1		15:40	X
CCB 400-687552/14	1		15:41	X
MRL 400-687552/15	1	T	16:13	X

Prep Types:
T = Total/NA

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 410-190648-1

SDG No.:

Instrument ID: ALPKEM3 Analysis Method: OIA - 1677

Start Date: 10/08/2024 13:36 End Date: 10/08/2024 14:44

Lab Sample Id	D/F	Type	Time	Analytes
				CN-a
ZZZZZZ			13:36	
ZZZZZZ			13:38	
ZZZZZZ			13:39	
ZZZZZZ			13:41	
ZZZZZZ			13:42	
ZZZZZZ			13:44	
ZZZZZZ			13:45	
ZZZZZZ			13:47	
ZZZZZZ			13:48	
ZZZZZZ			13:50	
ZZZZZZ			13:51	
ZZZZZZ			13:53	
ZZZZZZ			13:54	
ZZZZZZ			13:56	
ZZZZZZ			13:57	
ZZZZZZ			13:59	
ZZZZZZ			14:00	
ZZZZZZ			14:02	
ZZZZZZ			14:03	
ZZZZZZ			14:05	
ZZZZZZ			14:06	
ZZZZZZ			14:08	
ICV 180-481286/23	1		14:09	X
ICB 180-481286/24	1		14:11	X
ZZZZZZ			14:12	
MB 180-481286/26	1	T	14:14	X
LCS 180-481286/27	1	T	14:15	X
ZZZZZZ (Client)			14:17	
ZZZZZZ (QC)			14:18	
ZZZZZZ (QC)			14:20	
ZZZZZZ (Client)			14:21	
ZZZZZZ (Client)			14:23	
ZZZZZZ (Client)			14:24	
ZZZZZZ (Client)			14:26	
410-190648-8	1	T	14:27	X
ZZZZZZ			14:29	
CCV 180-481286/37	1		14:30	X
CCB 180-481286/38	1		14:32	X
ZZZZZZ			14:33	
ZZZZZZ (Client)			14:35	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 410-190648-1

SDG No.:

Instrument ID: ALPKEM3 Analysis Method: OIA - 1677

Start Date: 10/08/2024 13:36 End Date: 10/08/2024 14:44

Lab Sample Id	D/F	Type	Time	Analytes																								
				CN-a																								
ZZZZZZ (Client)			14:36																									
ZZZZZZ (Client)			14:38																									
ZZZZZZ			14:39																									
CCV 180-481286/44			14:41																									
CCB 180-481286/45			14:42																									
ZZZZZZ			14:44																									

Prep Types:
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-190648-1

SDG No.:

Batch Number: 562235 Batch Start Date: 10/11/24 13:15 Batch Analyst: Schmertz, Thomas

Batch Method: 9012B Batch End Date: 10/15/24 09:40

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	WC-PR20mg/lQC 01226			
LCS 410-562235/1		9012B, 9012B			50 mL	50 mL	0.5 mL			
MB 410-562235/2		9012B, 9012B			50 mL	50 mL				
410-190648-A-8	HD-MW-2-0/1-0	9012B, 9012B	Water	T	50 mL	50 mL				

Batch Notes	
Pipette/Syringe/Dispenser ID	prep
Sodium Hydroxide ID	6238804
Magnesium Chloride Reagent ID Number	6655657
Sulfamic Acid ID	6406392
Sulfuric Acid Reagent ID Number	6427032
Distillation Start Time	10/11/2024 13:15
Distillation End Time	10/15/2024 09:40

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.: 410-190648-1

SDG No.:

Batch Number: 563308 Batch Start Date: 10/14/24 17:20 Batch Analyst: McKenzie, Joseph E

Batch Method: 9012B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	WC_FL_CCVCN 00775					
ICV 410-563308/10		9012B			# mL					
CCV 410-563308/22		9012B			# mL					
CCV 410-563308/34		9012B			# mL					
CCV 410-563308/46		9012B			# mL					

Batch Notes	
Pipette/Syringe/Dispenser ID	flow
Sodium Hydroxide ID	wc_fl_.25naoh_00044
Buffer Reagent ID	wc_fl_phosbuf_00066
Chloramine-T ID	wc_fl_chloram_00722
Pyridine-Barbituric Acid ID	wc_fl_pyrbarb_00121
Pipette Tip Lot ID	k199109p

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 Pensacola Job No.: 410-190648-1

SDG No.:

Batch Number: 687172 Batch Start Date: 10/08/24 13:50 Batch Analyst: Boutwell, Vanessa

Batch Method: 9010C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	SulfideCheck	ChlorineCheck	CNLCSINT 00056	
MB 400-687172/1		9010C, 9014			6 mL	6 mL	n/a	n/a		
LCS 400-687172/2		9010C, 9014			6 mL	6 mL	n/a	n/a	2 mL	
410-190648-B-8	HD-MW-2-0/1-0	9010C, 9014	Water	T	6 mL	6 mL				

Batch Notes	
Pipette/Syringe/Dispenser ID	gamora
Distillation Temperature	120.0 Degrees C
Sodium Hydroxide ID	6630476
Lead Acetate Lot #	14-862
Sulfuric Acid Reagent ID Number	6630497
Distillation Start Time	10/09/2024 11:00
Distillation End Time	10/09/2024 11:30
KI-Starch Paper ID	14-860
Chlorination Start Time	10/09/2024 09:00
Chlorination End Time	10/09/2024 10:00

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 Pensacola Job No.: 410-190648-1

SDG No.:

Batch Number: 687552 Batch Start Date: 10/11/24 08:48 Batch Analyst: Boutwell, Vanessa

Batch Method: 9014 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	CN-CCV-I 00826	CNLCSINT 00056		
ICV 400-687552/1		9014			100 mL	100 mL		33.3 mL		
ICB 400-687552/2		9014			100 mL	100 mL				
CCV 400-687552/3		9014			100 mL	100 mL	1 mL			
CCB 400-687552/4		9014			100 mL	100 mL				
MB 400-687172/1-A		9014			100 mL	100 mL				
LCS 400-687172/2-A		9014			100 mL	100 mL				
CCV 400-687552/9		9014			100 mL	100 mL	1 mL			
CCB 400-687552/10		9014			100 mL	100 mL				
410-190648-B-8-B	HD-MW-2-0/1-0	9014	Water	T	100 mL	100 mL				
CCV 400-687552/13		9014			100 mL	100 mL	1 mL			
CCB 400-687552/14		9014			100 mL	100 mL				
MRL 400-687552/15		9014			100 mL	100 mL	0.04 mL			

Batch Notes	
Pipette/Syringe/Dispenser ID	fisher elite
Sodium Hydroxide ID	6852642
Buffer Reagent ID	6852443
Chloramine-T ID	6596728
Pyridine-Barbituric Acid ID	6852438

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 Pensacola Job No.: 410-190648-1

SDG No.:

Batch Number: 687597 Batch Start Date: 10/11/24 12:35 Batch Analyst: Boutwell, Vanessa

Batch Method: 9010C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	SulfideCheck	ChlorineCheck	CNLCSINT 00056	
MB 400-687597/1		9010C, 9014			10 g	10 mL	n/a	n/a		
LCS 400-687597/2		9010C, 9014			10 g	10 mL	n/a	n/a	3.33 mL	
410-190648-B-8	HD-MW-2-0/1-0	9010C, 9014	Water	T	10 mL	10 mL				

Batch Notes	
Pipette/Syringe/Dispenser ID	gamora
Distillation Temperature	120.0 Degrees C
Sodium Hydroxide ID	6630476
Lead Acetate Lot #	14-862
Sulfuric Acid Reagent ID Number	6630497
Distillation Start Time	10/11/2024 09:00
Distillation End Time	10/11/2024 16:00
KI-Starch Paper ID	14-860
Chlorination Start Time	10/11/2024 09:00
Chlorination End Time	10/11/2024 10:00

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 Pensacola Job No.: 410-190648-1

SDG No.:

Batch Number: 687664 Batch Start Date: 10/11/24 16:23 Batch Analyst: Boutwell, Vanessa

Batch Method: 9014 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	CN-CCV-I 00826			
MRL 400-687664/12		9014			10 mL	10 mL	0.005 mL			
MB 400-687597/1-A		9014			10 mL	10 mL				
LCS 400-687597/2-A		9014			10 mL	10 mL				

Batch Notes	
Pipette/Syringe/Dispenser ID	FISHER ELITE
Sodium Hydroxide ID	6852642
Buffer Reagent ID	6852443
Chloramine-T ID	6596728
Pyridine-Barbituric Acid ID	6852438

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 Pensacola Job No.: 410-190648-1

SDG No.:

Batch Number: 687939 Batch Start Date: 10/15/24 09:16 Batch Analyst: Boutwell, Vanessa

Batch Method: 9014 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount				
410-190648-B-8-C	HD-MW-2-0/1-0	9014	Water	T	10 mL	10 mL				

Batch Notes	
Pipette/Syringe/Dispenser ID	FISHER ELITE
Sodium Hydroxide ID	6852642
Buffer Reagent ID	6852443
Chloramine-T ID	6596728
Pyridine-Barbituric Acid ID	6852438

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 Pittsburgh Job No.: 410-190648-1

SDG No.:

Batch Number: 481286 Batch Start Date: 10/08/24 13:36 Batch Analyst: Richart, Sabra N

Batch Method: OIA - 1677 Batch End Date: 10/08/24 14:44

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	ChlorineCheck	pHChecked	SulfideCheck	WAvCN 50 ICV 00864	WAvCN 50LCS 00803
ICV 180-481286/23		OIA - 1677			10 mL				10 mL	
LCS 180-481286/27		OIA - 1677			10 mL					10 mL
410-190648-C-8	HD-MW-2-0/1-0	OIA - 1677	Water	T		-	>12	-		
CCV 180-481286/37		OIA - 1677			10 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	WAvCN0.05 Std 00949					
ICV 180-481286/23		OIA - 1677								
LCS 180-481286/27		OIA - 1677								
410-190648-C-8	HD-MW-2-0/1-0	OIA - 1677	Water	T						
CCV 180-481286/37		OIA - 1677			10 mL					

Batch Notes	
Sodium Hydroxide ID	5829783
Ascorbic Acid ID	5337327
WAD AR Solution ID	6052671
WAD Carrier Solution ID	5829783
Cadmiun Chloride ID	5701835
WAD A ID	5739549
WAD B ID	5739580
Pipette ID	C31597905, C219018546
Acid ID	6052671
Batch Comment	WAD A + WAD B = 6052672

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 :	2024-10-15 07:23:34
Tray Number :	2
Tray Name :	24288cn1

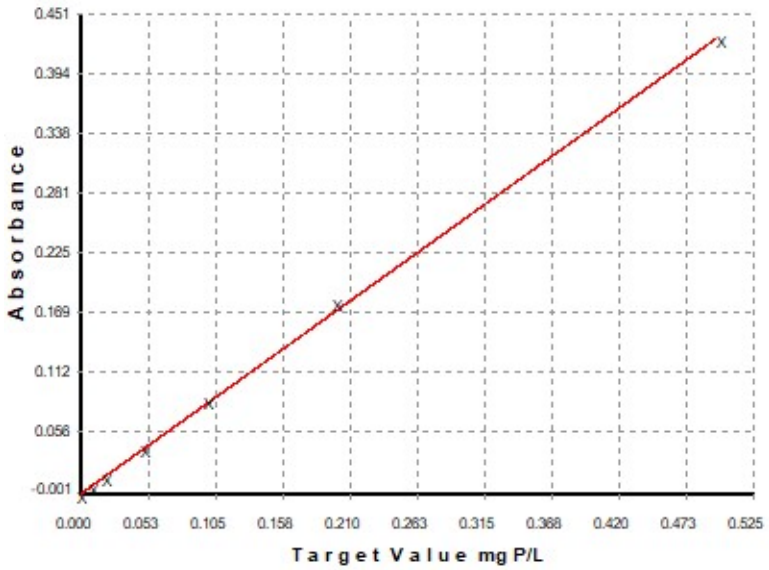
CN EPA130

Calibration Chart

Type	Absorbance	Calc mg/L	Target mg/L	% Error
S95	0.4291	0.496	0.500	-0.74
S94	0.1813	0.208	0.200	4.24
S93	0.0900	0.102	0.100	2.43
S92	0.0441	0.049	0.050	-1.95
S91	0.0178	0.019	0.020	-7.28
S90	0.0089	0.008	0.010	-18.26
S1	-0.0007	-0.003	0.000	
*89	0.4231	0.489	0.500	-2.13
S0	-0.0004	-0.003	0.000	

Polynomial order :	1
Correlation Coefficient :	0.9997
RSE (%) :	10.18
Carryover(%) :	0.1
Calibration equation:	y = bx + a
y =:	Concentration mg/L
x =:	Measured absorbance
a =:	-2.165947E-03
b =:	1.161621E+00
Date & Time :	2024-10-14 17:26:05

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	0.429			0.429124				2024-10-14 17:20:42
	S94	Standard 94	0.181			0.181341				2024-10-14 17:21:07
	S93	Standard 93	0.090			0.090040				2024-10-14 17:21:33
	S92	Standard 92	0.044			0.044069				2024-10-14 17:21:58
	S91	Standard 91	0.018			0.017829				2024-10-14 17:24:23
	S90	Standard 90	0.009			0.008901				2024-10-14 17:24:49
	S1	Standard 1	-0.001			-0.000690			WCM	2024-10-14 17:25:14

	S89		0.423		0.423111		WCM	2024-10-14 17:25:40
	S0	Standard 0	-0.000		-0.000382		WCM	2024-10-14 17:26:05
	ICV	ICV	0.192	mg/L	0.167084		WCM	2024-10-14 17:28:30
	ICB	ICB	-0.003	mg/L	-0.000411		WCM	2024-10-14 17:28:56
1	U1	LCS 410-5622351-A	0.191	mg/L	0.166262		WCM	2024-10-14 17:29:22
2	U2	MB 410-5622352-A	-0.001	mg/L	0.001083		WCM	2024-10-14 17:29:47
3	U3	410-190388-L-5-A	0.000	mg/L	0.002291		WCM	2024-10-14 17:30:12
4	U4	410-190388-L-5-B MS	0.271	mg/L	0.235551		WCM	2024-10-14 17:32:38
5	U5	410-190388-L-5-C MSD	0.259	mg/L	0.225163		WCM	2024-10-14 17:33:03
6	U6	410-190388-L-2-A	0.004	mg/L	0.005211		WCM	2024-10-14 17:33:29
7	U7	410-190388-L-3-A	0.008	mg/L	0.008412		WCM	2024-10-14 17:33:54
8	U8	410-190388-L-4-A	0.000	mg/L	0.001992		WCM	2024-10-14 17:34:20
9	U9	410-190388-L-6-A	0.005	mg/L	0.006502		WCM	2024-10-14 17:36:45
10	U10	410-190388-L-7-A	0.001	mg/L	0.002664		WCM	2024-10-14 17:37:10
	CCV	CCV	0.194	mg/L	0.169269		WCM	2024-10-14 17:37:36
	CCB	CCB	-0.002	mg/L	-0.000264		WCM	2024-10-14 17:38:02
11	U11	590-27269-A-1-A	0.005	mg/L	0.006436		WCM	2024-10-14 17:38:27
12	U12	380-116176-A-1-A	0.015	mg/L	0.014981		WCM	2024-10-14 17:40:53
13	U13	410-190972-A-1-A	0.016	mg/L	0.015325		WCM	2024-10-14 17:41:18
14	U14	410-190468-H-1-A	0.075	mg/L	0.066344		WCM	2024-10-14 17:41:43
15	U15	410-190388-L-1-A	0.439	mg/L	0.380142		WCM	2024-10-14 17:42:09
16	U16	410-190388-L-1-B MS	0.548	mg/L	0.473349		WCM	2024-10-14 17:42:34
17	U17	410-190388-L-1-C MSD	0.508	mg/L	0.439464		WCM	2024-10-14 17:44:59
18	U18	410-190641-M-1-A	0.039	mg/L	0.035077		WCM	2024-10-14 17:45:25
19	U19	410-190641-M-2-A	0.011	mg/L	0.011249		WCM	2024-10-14 17:45:50
20	U20	410-190641-M-3-A	0.004	mg/L	0.005353		WCM	2024-10-14 17:46:16
	CCV	CCV	0.191	mg/L	0.166167		WCM	2024-10-14 17:46:41
	CCB	CCB	-0.003	mg/L	-0.000601		WCM	2024-10-14 17:49:07
21	U21	410-190641-M-4-A	-0.001	mg/L	0.001333		WCM	2024-10-14 17:49:33
22	U22	410-190641-M-5-A	-0.001	mg/L	0.000671		WCM	2024-10-14 17:49:59
23	U23	410-190648-A-8-A	0.062	mg/L	0.054986		WCM	2024-10-14 17:50:24
24	U24	620-21354-L-5-A	-0.000	mg/L	0.001819		WCM	2024-10-14 17:50:49
25	U25	630-97052-B-2-A	-0.001	mg/L	0.001148		WCM	2024-10-14 17:53:15
26	U26	410-190382-F-8-A	-0.001	mg/L	0.000863		WCM	2024-10-14 17:53:40
27	U27	LCS 410-5623451-A	0.193	mg/L	0.167810		WCM	2024-10-14 17:54:06
28	U28	MB 410-5623452-A	-0.002	mg/L	0.000538		WCM	2024-10-14 17:54:31
29	U29	680-256795-I-3-A	-0.001	mg/L	0.000647		WCM	2024-10-14 17:54:56
30	U30	680-256795-I-3-B MS	0.269	mg/L	0.233175		WCM	2024-10-14 17:57:22
	CCV	CCV	0.191	mg/L	0.165932		WCM	2024-10-14 17:57:47
	CCB	CCB	-0.003	mg/L	-0.000416		WCM	2024-10-14 17:58:13
31	U31	680-256795-I-3-C MSD	0.233	mg/L	0.202834		WCM	2024-10-14 17:58:40
32	U32	680-256795-I-4-A	-0.001	mg/L	0.000930		WCM	2024-10-14 17:59:05
33	U33	680-256795-I-6-A	-0.001	mg/L	0.000630		WCM	2024-10-14 18:01:30
34	U34	752-24726-A-1-A	-0.000	mg/L	0.001493		WCM	2024-10-14 18:01:56
35	U35	752-24726-A-4-A	-0.001	mg/L	0.000674		WCM	2024-10-14 18:02:21
36	U36	752-24719-A-4-A	0.001	mg/L	0.002480		WCM	2024-10-14 18:02:47
37	U37	630-96994-H-2-A	0.000	mg/L	0.002193		WCM	2024-10-14 18:03:12
38	U38	630-97045-C-2-A	0.005	mg/L	0.006423		WCM	2024-10-14 18:05:37
39	U39	410-190936-A-1-A	0.000	mg/L	0.002145		WCM	2024-10-14 18:06:03
40	U40	410-190936-A-2-A	-0.002	mg/L	-0.000259		WCM	2024-10-14 18:06:28
	CCV	CCV	0.195	mg/L	0.169750		WCM	2024-10-14 18:06:54
	CCB	CCB	-0.003	mg/L	-0.000404		WCM	2024-10-14 18:07:20
41	U41	410-190972-A-2-A	0.002	mg/L	0.003921		WCM	2024-10-14 18:09:46
42	U42	410-190972-A-2-B MS	0.158	mg/L	0.137672		WCM	2024-10-14 18:10:12
43	U43	410-190972-A-2-C MSD	0.228	mg/L	0.197897		WCM	2024-10-14 18:10:37
44	U44	410-190972-A-5-A	-0.000	mg/L	0.001846		WCM	2024-10-14 18:11:03
45	U45	410-190365-D-1-A	0.005	mg/L	0.005972		WCM	2024-10-14 18:11:28
46	U46	410-190366-D-1-A	0.002	mg/L	0.003871		WCM	2024-10-14 18:13:53
47	U47	380-115889-C-1-A	0.009	mg/L	0.009284		WCM	2024-10-14 18:14:19
48	U48	380-115889-B-2-A	0.005	mg/L	0.005851		WCM	2024-10-14 18:14:44
49	U49	410-191348-L-1-A	0.010	mg/L	0.010301		WCM	2024-10-14 18:15:10
50	U50	620-21354-L-1-A	0.018	mg/L	0.017448		WCM	2024-10-14 18:15:35
	CCV	CCV	0.191	mg/L	0.166195		WCM	2024-10-14 18:18:00
	CCB	CCB	-0.003	mg/L	-0.000440		WCM	2024-10-14 18:18:27
51	U51	620-21354-L-2-A	0.033	mg/L	0.029929		WCM	2024-10-14 18:18:54
52	U52	620-21354-L-3-A	0.116	mg/L	0.101667		WCM	2024-10-14 18:19:19
53	U53	MB 410-5625191-A	0.508	mg/L	0.439354		WCM	2024-10-14 18:19:45
54	U54	reacflsk	19.694	mg/L	0.137497	x125.000	WCM	2024-10-14 18:22:10

55	U55	LCS 410-56251921-A	0.797	mg/L	0.345106	x 2.000	WCM	2024-10-14 18:22:35
56	U56	680-256696-H-1-C	0.036	mg/L	0.032611		WCM	2024-10-14 18:23:01
57	U57	680-256696-H-1-D MS	0.568	mg/L	0.490703		WCM	2024-10-14 18:23:26
58	U58	680-256696-H-1-E MSD	0.455	mg/L	0.393808		WCM	2024-10-14 18:23:51
59	U59	410-190367-I-1-A	0.001	mg/L	0.002334		WCM	2024-10-14 18:26:17
60	U60	410-190359-B-1-D	0.000	mg/L	0.001914		WCM	2024-10-14 18:26:42
	CCV	CCV	0.193	mg/L	0.168397		WCM	2024-10-14 18:27:08
	CCB	CCB	-0.003	mg/L	-0.000410		WCM	2024-10-14 18:27:35
61	U61	410-190358-B-1-K	-0.001	mg/L	0.001012		WCM	2024-10-14 18:28:02
62	U62	410-190354-B-1-D	-0.002	mg/L	0.000087		WCM	2024-10-14 18:30:27
63	U63	410-190321-B-1-D	-0.002	mg/L	0.000031		WCM	2024-10-14 18:30:53
64	U64	410-190290-C-1-A	-0.002	mg/L	-0.000011		WCM	2024-10-14 18:31:18
65	U65	410-190279-J-1-A	-0.003	mg/L	-0.000347		WCM	2024-10-14 18:31:43
66	U66	310-291729-B-1-C	-0.002	mg/L	0.000164		WCM	2024-10-14 18:32:09
67	U67	410-190625-Q-1-A	-0.003	mg/L	-0.000361		WCM	2024-10-14 18:34:34
68	U68	410-190625-K-2-A	-0.002	mg/L	0.000008		WCM	2024-10-14 18:34:59
69	U69	410-190625-K-3-A	-0.002	mg/L	0.000212		WCM	2024-10-14 18:35:24
70	U70	410-190799-B-1-B	-0.002	mg/L	0.000245		WCM	2024-10-14 18:35:49
	CCV	CCV	0.192	mg/L	0.167327		WCM	2024-10-14 18:36:14
	CCB	CCB	-0.002	mg/L	-0.000071		WCM	2024-10-14 18:38:40
71	U71	410-190799-C-4-A	-0.002	mg/L	-0.000016		WCM	2024-10-14 18:39:07
72	U72	410-190799-C-7-A	-0.002	mg/L	0.000511		WCM	2024-10-14 18:39:32
73	U73	410-190799-C-10-A	-0.002	mg/L	0.000433		WCM	2024-10-14 18:39:56
	CCV	CCV	0.193	mg/L	0.167815		WCM	2024-10-14 18:40:21
	CCB	CCB	-0.003	mg/L	-0.000479		WCM	2024-10-14 18:42:48
	CCV	CCV	0.186	mg/L	0.161790		WCM	2024-10-14 18:55:16
	CCB	CCB	-0.002	mg/L	0.000026		WCM	2024-10-14 18:55:42
16	U16	410-190388-L-1-B MS	0.629	mg/L	0.272442	x 2.000	WCM	2024-10-14 18:56:09
17	U17	410-190388-L-1-C MSD	0.585	mg/L	0.253761	x 2.000	WCM	2024-10-14 18:56:34
53	U53	MB 410-5625191-A	0.549	mg/L	0.238185	x 2.000	WCM	2024-10-14 18:58:59
57	U57	680-256696-H-1-D MS	0.569	mg/L	0.246844	x 2.000	WCM	2024-10-14 18:59:23
	CCV	CCV	0.193	mg/L	0.168053		WCM	2024-10-14 18:59:48
	CCB	CCB	-0.003	mg/L	-0.000352		WCM	2024-10-14 19:00:15

Batch: 687552 **Analyst Initials: VB**

Method: 9014 **Instrument: Seal AQ700 Discrete Analyzer**

Lab Sample ID: ICV 400-687552/1 **Analysis Date: Oct 09, 2024 15:25**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Amenable	UV	1	138.206	ug/L	100 mL	100 mL

Lab Sample ID: ICB 400-687552/2 **Analysis Date: Oct 09, 2024 15:26**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Amenable	UV	1	-0.972	ug/L	100 mL	100 mL

Lab Sample ID: CCV 400-687552/3 **Analysis Date: Oct 09, 2024 15:26**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Amenable	UV	1	100.319	ug/L	100 mL	100 mL

Lab Sample ID: CCB 400-687552/4 **Analysis Date: Oct 09, 2024 15:27**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Amenable	UV	1	-2.049	ug/L	100 mL	100 mL

Lab Sample ID: MB 400-687172/1-A **Analysis Date: Oct 09, 2024 15:34**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Amenable	UV	1	-4.918	ug/L	6 mL	6 mL

Lab Sample ID: LCS 400-687172/2-A **Analysis Date: Oct 09, 2024 15:34**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Amenable	UV	1	144.09	ug/L	6 mL	6 mL

Lab Sample ID: CCV 400-687552/9 **Analysis Date: Oct 09, 2024 15:37**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Amenable	UV	1	106.126	ug/L	100 mL	100 mL

Lab Sample ID: CCB 400-687552/10 **Analysis Date: Oct 09, 2024 15:38**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Amenable	UV	1	-0.864	ug/L	100 mL	100 mL

Lab Sample ID: 410-190648-B-8-B **Analysis Date: Oct 09, 2024 15:38**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Amenable	UV	5	100.58	ug/L	6 mL	6 mL

Lab Sample ID: CCV 400-687552/13 **Analysis Date: Oct 09, 2024 15:40**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Amenable	UV	1	101.734	ug/L	100 mL	100 mL

Lab Sample ID: CCB 400-687552/14 **Analysis Date: Oct 09, 2024 15:41**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Amenable	UV	1	0.202	ug/L	100 mL	100 mL

Batch: 687552 (Continued) **Analyst Initials: VB**

Method: 9014 **Instrument: Seal AQ700 Discrete Analyzer**

Lab Sample ID: MRL 400-687552/15 **Analysis Date: Oct 09, 2024 16:13**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Amenable	UV	1	2.214	ug/L	100 mL	100 mL

AQ700 Report

Software version :	2.5.1K5
Report Requested By :	knoxd
Time and Date :	2024-10-09 16:16:44
Tray Number :	1
Tray Name :	24.10.09 vb cn

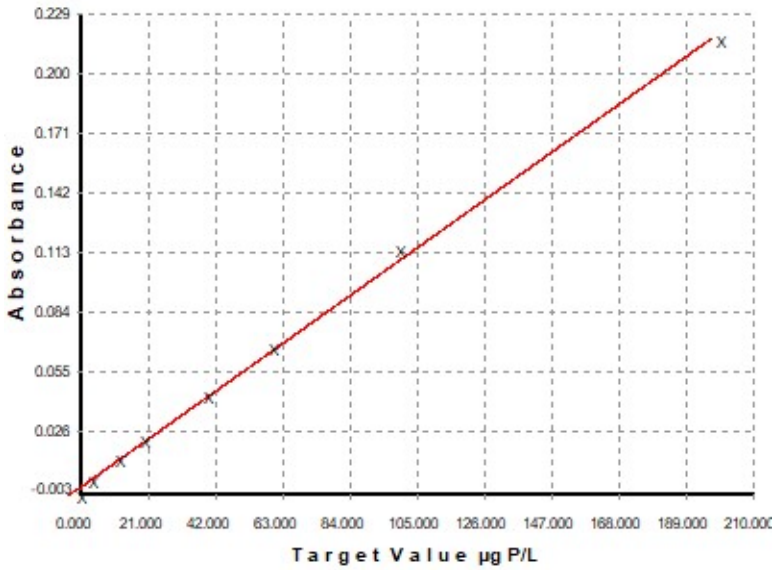
Cyanide 200ppb

Calibration Chart

Type	Absorbance	Calc µg CN/L	Target µg CN/L	% Error
S1	-0.0034	-4.364	0.000	
S90	0.0047	3.005	4.000	-24.89
S91	0.0151	12.467	12.000	3.89
S92	0.0244	20.899	20.000	4.50
S93	0.0462	40.781	40.000	1.95
S94	0.0693	61.796	60.000	2.99
S95	0.1161	104.419	100.000	4.42
S96	0.2177	196.997	200.000	-1.50
S0	-0.0018	-2.963	0.000	

Polynomial order :	1
Correlation Coefficient :	0.9992
RSE (%) :	11.74
Carryover(%) :	0.7
Calibration equation:	y = bx + a
y =:	Concentration µg CN/L
x =:	Measured absorbance
a =:	-1.311947E+00
b =:	9.107408E+02
Date & Time :	2024-10-09 15:24:28

Calibration Graph



Reagents

Reagent name	Batch number	Operator	Expiry date
CN Neutralizer			
CN Chlor T			
CN Pyr Barb Acid			

Cup	Type	ID	Result	Units	QC Pro	Auto dil.	Man dil.	User	Time & Date
	S1	Standard 1	-0.003					dk	2024-10-09 15:18:04
	S90	Standard 90	0.005					dk	2024-10-09 15:18:52
	S91	Standard 91	0.015					dk	2024-10-09 15:19:40
	S92	Standard 92	0.024					dk	2024-10-09 15:20:28
	S93	Standard 93	0.046					dk	2024-10-09 15:21:16
	S94	Standard 94	0.069					dk	2024-10-09 15:22:04
	S95	Standard 95	0.116					dk	2024-10-09 15:22:51

	S96	Standard 96	0.218		dk	2024-10-09 15:23:39
	S0	Standard 0	-0.002		dk	2024-10-09 15:24:28
2	ICV	ICV	138.206	µg CN/L	dk	2024-10-09 15:25:16
	ICB	ICB	-0.972	µg CN/L	dk	2024-10-09 15:26:04
	CCV	CCV	100.319	µg CN/L	dk	2024-10-09 15:26:52
	CCB	CCB	-2.049	µg CN/L	dk	2024-10-09 15:27:41
	C1	Control 1	0.354	µg CN/L	dk	2024-10-09 15:28:29
3	U1	MB 400-6872771-A	-2.114	µg CN/L	dk	2024-10-09 15:29:17
4	U2	LCS 400-6872772-A	138.274	µg CN/L	dk	2024-10-09 15:30:05
5	U3	400-263792-A-1-A	1.569	µg CN/L	dk	2024-10-09 15:30:53
6	U4	400-263792-A-1-B MS	77.956	µg CN/L	dk	2024-10-09 15:31:41
7	U5	400-263792-A-1-C MSD	72.126	µg CN/L	dk	2024-10-09 15:32:28
8	U6	400-263792-A-2-A	2.734	µg CN/L	dk	2024-10-09 15:33:17
9	U7	MB 400-6871721-A	-4.918	µg CN/L	dk	2024-10-09 15:34:04
10	U8	LCS 400-6871722-A	-2.970	µg CN/L	dk	2024-10-09 15:34:52
11	U9	400-263588-A-1-C	-2.818	µg CN/L	dk	2024-10-09 15:35:40
12	U10	400-263666-A-1-B	-3.447	µg CN/L	dk	2024-10-09 15:36:28
	CCV	CCV	106.126	µg CN/L	dk	2024-10-09 15:37:16
	CCB	CCB	-0.864	µg CN/L	dk	2024-10-09 15:38:04
13	U11	410-190648-B-8-B	-3.422	µg CN/L	dk	2024-10-09 15:38:52
14	U12	680-256718-E-2-A	-4.471	µg CN/L	dk	2024-10-09 15:39:40
	CCV	CCV	101.734	µg CN/L	dk	2024-10-09 15:40:28
	CCB	CCB	0.202	µg CN/L	dk	2024-10-09 15:41:16
	C1	Control 1	1.103	µg CN/L	dk	2024-10-09 15:58:50
	C1	Control 1	2.214	µg CN/L	dk	2024-10-09 16:13:11

FlowAccessV3 Results Report

Run Name : SKALAR20241011A2 TCN 10112024-3, Run Database Ref : SKALAR20241011A2
DateTime :2024-10-11 13:26:45
User Name : Administrator Operator Name : Administrator

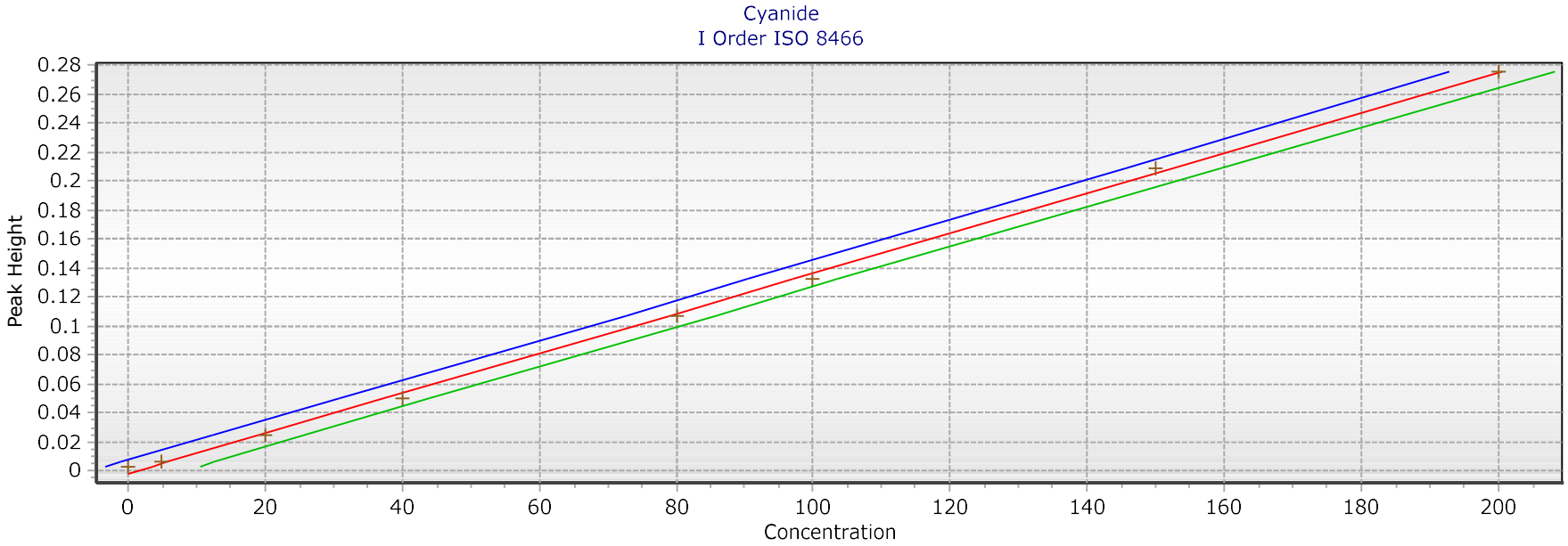
	NeedleNumber	ResultID	Position	SampleType	SampleIdentity	Cyanide-Results[µg C6H5OH/liter]
1	1	0	IW	IW	InitialWash	1.49
2	1	1	WT	W	IW	1.49
3	1	2	WT	W	WashIgnore	1.49
4	1	3	ST7	T	Tracer	140.75
5	1	4	ST1	S1	Standard1	3.59
6	1	5	ST2	S2	Standard2	5.77
7	1	6	ST3	S3	Standard3	19.02
8	1	7	ST4	S4	Standard4	37.37
9	1	8	ST5	S5	Standard5	79.19
10	1	9	ST6	S6	Standard6	97.00
11	1	10	ST7	S7	Standard7	152.53
12	1	11	ST8	S8	Standard8	200.53
13	1	12	ST7	D	Drift	150.94
14	1	13	WT	W	Wash	1.49
15	1	14	ST12	ICV	Initial Calibration Verificatic	143.20
16	1	15	ST2	U	MRL	6.24
17	1	16	ST2	U	MRL	5.48
18	1	17	ST6	CCV	CCV	98.35
19	1	18	WT	CCB	CCB	1.42
20	1	19	ST7	D	Drift	152.27
21	1	20	WT	W	Wash	1.49
22	1	21	WT	B	MB	1.38
23	1	22	ST12	LCS	LCS	144.09
24	1	23	A1	U	400-263966-I-1 MS	2.90
25	1	24	A2	U	400-263966-I-1 MS	20.84
26	1	25	A2	U	400-263966-I-1 MS	18.98
27	1	26	A3	U	400-263898-B-2	2.01
28	1	27	A4	U	400-263966-I-3	1.71
29	1	28	A5	U	400-263966-I-4	1.88
30	1	29	A6	U	400-263966-I-5	3.41
31	1	30	A7	U	400-263966-I-6	3.28
32	1	31	ST6	CCV	CCV	96.58
33	1	32	WT	CCB	CCB	2.14
34	1	33	ST7	D	drift	144.45
35	1	34	WT	W	wash	1.49
36	1	35	A8	U	400-263966-I-7	2.27
37	1	36	A9	U	400-263966-I-8	2.46
38	1	37	A10	U	400-263966-I-9	1.96
39	1	38	A11	U	400-263966-I-10	2.26
40	1	39	A12	U	400-263966-I-2	2.41
41	1	40	A13	U	400-263968-B-2	17.45
42	1	41	A14	U	400-263968-A-3	15.95
43	1	42	A15	U	400-263927-A-8	10.27

Run Name : SKALAR20241011A2 TCN 10112024-3, Run Database Ref : SKALAR20241011A2
DateTime :2024-10-11 13:26:45
User Name : Administrator Operator Name : Administrator

	NeedleNumber	ResultID	Position	SampleType	SampleIdentity	Cyanide-Results[µg C6H5OH/liter]
44	1	43	A16	U	400-263953-A-1	190.59
45	1	44	B1	U	410-190648-b-8 at 5x	100.58
46	1	45	ST6	CCV	CCV	109.85
47	1	46	WT	CCB	CCB	2.18
48	1	47	ST7	D	Drift	131.03
49	1	48	WT	W	Wash	1.49
50	1	49	A18	U	885-13308-E-1	26.53
51	1	50	A19	U	885-13415-A-1	7.67
52	1	51	A20	U	885-13418-B-1	26.04
53	1	52	ST6	CCV	CCV	112.64
54	1	53	WT	CCB	CCB	7.28
55	1	54	ST7	D	Drift	119.93
56	1	55	WT	W	Wash	1.49
57	1	56	B1	U	410-190648-b-8 at 5x	87.04
58	1	57	A16	U	400-263953-A-1	162.27
59	1	58	A17	U	400-263588-A-1	6.49
60	1	59	ST6	CCV	CCV	92.45
61	1	60	WT	CCB	CCB	1.99
62	1	61	ST7	D	Drift	116.98
63	1	62	WT	W	Wash	1.49
64	1	63	E	E	EndRun	1.49

FlowAccessV3

Date:2024-10-11 16:31:20

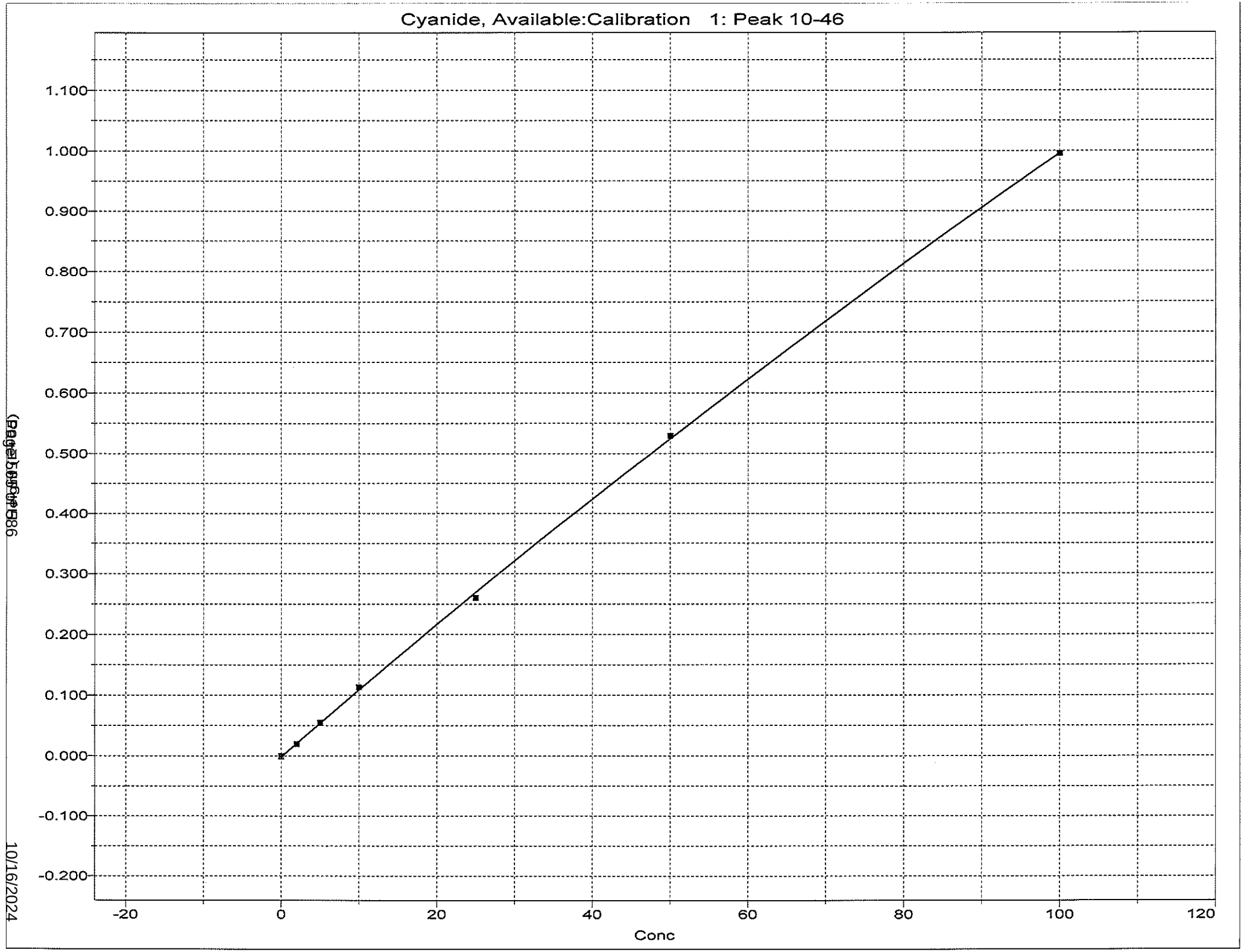


a = -0.00206304233644 b = 0.00138311653562 RSD = 0.00346989011860

r = 0.99948552202947 R2 = 0.99897130874653

Run Name : SKALAR20241011A2 TCN 1011, Run Db Ref : SKALAR20241011A2

User Name : Administrator Operator Name : Administrator


Cyanide, Available:Calibration 1: Peak 10-46
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
10/16/2024

Cyanide, Available:Calibration 1: Peak 10-46

File name: C:\FLOW_4\3100824A.RST
Date: 08-Oct-24
Operator: snr

*	Name	Conc	Height
*	Cal 0.000 ppb	0.000000	-118.021973
*	Cal 2.000 ppb	2.000000	1948.412720
*	Cal 5.000 ppb	5.000000	5487.385742
*	Cal 10.000 ppb	10.000000	11311.737305
*	Cal 25.000 ppb	25.000000	26016.906250
*	Cal 50.000 ppb	50.000000	52924.941406
*	Cal 100.000 ppb	100.000000	99552.187500

Calib Coef:
x=cyy+by+a
a: (intercept) 1.5959e-01
b: 8.9318e-04
c: 1.0934e-09

Corr Coef: 0.999926

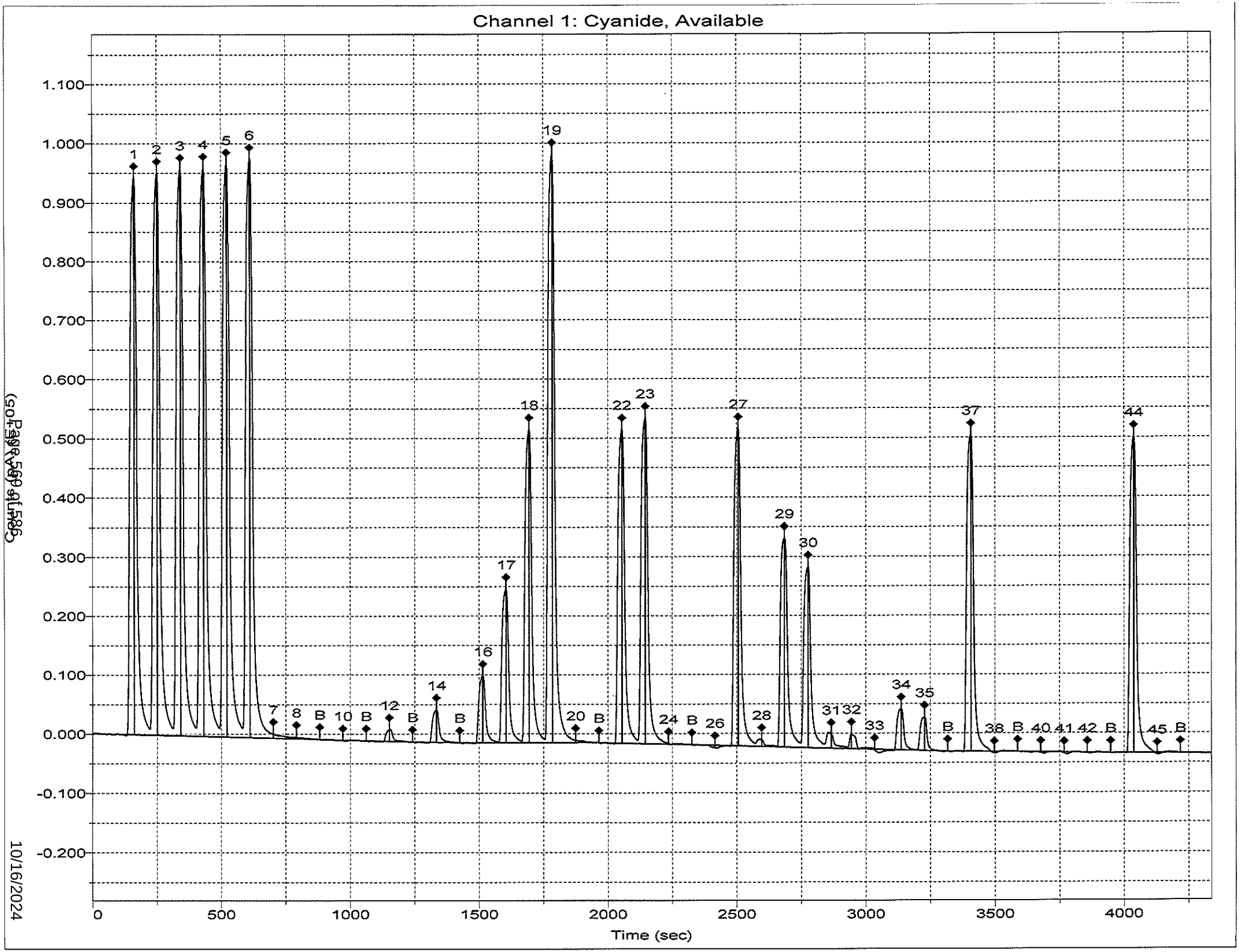
Carryover: n/a

No Drift Peaks

Method 1677 ~~Free~~ SNR 10/8/24

BH 481206

SNR 10/8/2024


Channel 1: Cyanide, Available
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
1 2 3 4 5 6 7 8 B 10 B 12 B 14 B 16 17 18 19 20 B 22 23 24 B 26 27 28 29 30 31 32 33 34 35 B 37 38 B 40 41 42 B 44 45 B
0 500 1000 1500 2000 2500 3000 3500 4000
Time (sec)
10/16/2024
Page 569 of 586

Peak Table:Cyanide, Available

File name: C:\FLOW_4\3100824A.RST
Date: 08-Oct-24
Operator: snr

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
1	7	System Conditioner	S 1	SYNC	1	1	94166	93.961983	
2	7	System Conditioner	S 2	SYNC	1	1	95105	94.995461	
3	7	System Conditioner	S 3	SYNC	1	1	95825	95.788170	
4	7	SYNK	1	BLNK	1	1	96123	96.116974	
5	7	SYNK	2	BLNK	1	1	96916	96.993576	
6	7	SYNK	3	BLNK	1	1	97884	98.063736	
7	0	READ BASELINE	1	BLNK	1	1	677	0.764776	
8	0	READ BASELINE	2	BLNK	1	1	230	0.364666	
B	0	READ BASELINE	1	RB	1	1	0	0.159592	BL
10	1	Cal 0.000 ppb	1	C	1	1	-118	0.054193	
B	0	read baseline	1	RB	1	1	0	0.159592	BL
12	2	Cal 2.000 ppb	1	C	1	1	1948	1.904030	
B	0	read baseline	1	RB	1	1	0	0.159592	BL
14	3	Cal 5.000 ppb	1	C	1	1	5487	5.093749	
B	0	read baseline	1	RB	1	1	0	0.159592	BL
16	4	Cal 10.000 ppb	1	C	1	1	11312	10.402934	
17	5	Cal 25.000 ppb	1	C	1	1	26017	24.137510	
18	6	Cal 50.000 ppb	1	C	1	1	52925	50.493820	
19	7	Cal 100.000 ppb	1	C	1	1	99552	99.913963	
20	0	READ BASELINE	1	BLNK	1	1	404	0.521023	
B	0	READ BASELINE	1	RB	1	1	0	0.159592	BL
22	8	Ni(II)CN 50ppb	1	U	1	1	52994	50.563801	
23	9	ICV	1	U	1	1	55014	52.606739	
24	10	ICB	1	U	1	1	76	0.227888	
B	0	READ BASELINE	1	RB	1	1	0	0.159592	BL
26	11	MB	1	U	1	1	-417	-0.212672	LO
27	12	LCS	1	U	1	1	53617	51.192730	
28	13	180-180880-A-1	1	U	1	1	1155	1.192291	
29	14	180-180880-A-1 ms	1	U	1	1	35326	33.076847	
30	15	180-180880-A-1 msd	1	U	1	1	30607	28.521498	
31	16	180-180876-A-1	1	U	1	1	2290	2.210399	
32	17	180-180877-A-1	1	U	1	1	2502	2.401546	
33	18	180-180878-A-1	1	U	1	1	-110	0.061404	
34	19	180-180879-A-1	1	U	1	1	6937	6.407846	
35	20	410-190648-C-8	1	U	1	1	5648	5.239001	
B	0	read baseline	1	RB	1	1	0	0.159592	BL
37	21	ccv	1	U	1	1	53443	51.016933	
38	22	ccb	1	U	1	1	-309	-0.115927	LO
B	0	read baseline	1	RB	1	1	0	0.159592	BL
40	23	240-212263-A-1	1	U	1	1	-140	0.034707	
41	24	240-212264-A-1	1	U	1	1	-177	0.001761	
42	25	180-180888-J-1	1	U	1	1	-36	0.127165	
B	0	read baseline	1	RB	1	1	0	0.159592	BL
44	21	ccv	1	U	1	1	53363	50.936108	
45	22	ccb	1	U	1	1	-287	-0.096594	LO
B	0	read baseline	1	RB	1	1	0	0.159592	BL

Run Results Report

Facility Name	
Facility Location	
Department	
Operator Name	snr
Operator ID	snr
Platform	FS 3000
Software Rev Code	220
Data system ID	57
Result path	C:\FLOW_4\3100824A.RST
Sample table path	C:\FLOW_4\avcn100.tbl
Method path	C:\FLOW_4\avcn100.mth
Date acquired	08-Oct-24
Time acquired	14:49

Date	Time	Cup	Name
08-Oct-24	13:36	7	System Conditioner S
08-Oct-24	13:38	7	System Conditioner S
08-Oct-24	13:39	7	System Conditioner S (Statistics)
08-Oct-24	13:41	7	SYNK
08-Oct-24	13:42	7	SYNK
08-Oct-24	13:44	7	SYNK (Statistics)
08-Oct-24	13:45	0	READ BASELINE
08-Oct-24	13:47	0	READ BASELINE (Statistics)
08-Oct-24	13:48	0	READ BASELINE
08-Oct-24	13:50	1	Cal 0.000 ppb
08-Oct-24	13:51	0	read baseline
08-Oct-24	13:53	2	Cal 2.000 ppb
08-Oct-24	13:54	0	read baseline
08-Oct-24	13:56	3	Cal 5.000 ppb
08-Oct-24	13:57	0	read baseline
08-Oct-24	13:59	4	Cal 10.000 ppb
08-Oct-24	14:00	5	Cal 25.000 ppb
08-Oct-24	14:02	6	Cal 50.000 ppb
08-Oct-24	14:03	7	Cal 100.000 ppb
08-Oct-24	14:05	0	READ BASELINE
08-Oct-24	14:06	0	READ BASELINE
08-Oct-24	14:08	8	Ni(II)CN 50ppb
08-Oct-24	14:09	9	ICV
08-Oct-24	14:11	10	ICB
08-Oct-24	14:12	0	READ BASELINE
08-Oct-24	14:14	11	MB
08-Oct-24	14:15	12	LCS
08-Oct-24	14:17	13	180-180880-A-1
08-Oct-24	14:18	14	180-180880-A-1 ms
08-Oct-24	14:20	15	180-180880-A-1 msd
08-Oct-24	14:21	16	180-180876-A-1
08-Oct-24	14:23	17	180-180877-A-1
08-Oct-24	14:24	18	180-180878-A-1
08-Oct-24	14:26	19	180-180879-A-1
08-Oct-24	14:27	20	410-190648-C-8
08-Oct-24	14:29	0	read baseline
08-Oct-24	14:30	21	ccv
08-Oct-24	14:32	22	ccb

Result path	C:\FLOW_4\3100824A.RST
Sample table path	C:\FLOW_4\avcn100.tbl
Method path	C:\FLOW_4\avcn100.mth
Date acquired	08-Oct-24
Time acquired	14:49

Date	Time	Cup	Name
08-Oct-24	14:33	0	read baseline
08-Oct-24	14:35	23	240-212263-A-1
08-Oct-24	14:36	24	240-212264-A-1
08-Oct-24	14:38	25	180-180888-J-1
08-Oct-24	14:39	0	read baseline
08-Oct-24	14:41	21	ccv
08-Oct-24	14:42	22	ccb
08-Oct-24	14:44	0	read baseline

Run Results Report

Facility Name	
Facility Location	
Department	
Operator Name	snr
Operator ID	snr
Platform	FS 3000
Software Rev Code	220
Data system ID	57
Result path	C:\FLOW_4\3100824A.RST
Sample table path	C:\FLOW_4\avcn100.tbl
Method path	C:\FLOW_4\avcn100.mth
Date acquired	08-Oct-24
Time acquired	14:49

	Cyanide, Available				
Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]
System Conditioner S	94166	93.962			
System Conditioner S	95105	94.995			
System Conditioner S	95825	95.788			
(Statistics)				95032	94.915
SYNK	96123	96.117			
SYNK	96916	96.994			
SYNK	97884	98.064			
(Statistics)				96974	97.058
READ BASELINE	677	0.765			
READ BASELINE	230	0.365			
(Statistics)				453	0.565
READ BASELINE	0	0.160	BL		
Cal 0.000 ppb	-118	0.054			
read baseline	0	0.160	BL		
Cal 2.000 ppb	1948	1.904			
read baseline	0	0.160	BL		
Cal 5.000 ppb	5487	5.094			
read baseline	0	0.160	BL		
Cal 10.000 ppb	11312	10.403			
Cal 25.000 ppb	26017	24.138			
Cal 50.000 ppb	52925	50.494			
Cal 100.000 ppb	99552	99.914			
READ BASELINE	404	0.521			
READ BASELINE	0	0.160	BL		
Ni(II)CN 50ppb	52994	50.564			
ICV	55014	52.607			
ICB	76	0.228			
READ BASELINE	0	0.160	BL		
MB	-417	-0.213	LO		
LCS	53617	51.193			
180-180880-A-1	1155	1.192			
180-180880-A-1 ms	35326	33.077			
180-180880-A-1 msd	30607	28.521			
180-180876-A-1	2290	2.210			
180-180877-A-1	2502	2.402			
180-180878-A-1	-110	0.061			
180-180879-A-1	6937	6.408			
410-190648-C-8	5648	5.239			
read baseline	0	0.160	BL		
ccv	53443	51.017			
ccb	-309	-0.116	LO		

Result path	C:\FLOW_4\3100824A.RST
Sample table path	C:\FLOW_4\avcn100.tbl
Method path	C:\FLOW_4\avcn100.mth
Date acquired	08-Oct-24
Time acquired	14:49

	Cyanide, Available				
Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]
read baseline	0	0.160	BL		
240-212263-A-1	-140	0.035			
240-212264-A-1	-177	0.002			
180-180888-J-1	-36	0.127			
read baseline	0	0.160	BL		
ccv	53363	50.936			
ccb	-287	-0.097	LO		
read baseline	0	0.160	BL		

Subcontract Data

Shipping and Receiving Documents

Environmental Analysis Request/Chain of Custody

410-190648 Chain of Custody

Acct. # _____ Group # _____ Sample # _____

Client:	Groundwater Sciences Corporation		
Project Name/#:	2024 Comprehensive Sampling	Site ID #:	fYNOP, York PA
Project Manager:	Chris O'Neil	P.O. #:	10012.52
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	NPDES	Surface	Other:	Total # of Containers	Aqueous VOCs via 8260D (standard level)	1677-Cyanide Available (Arsenite 0.25mg)	9014 Ammendable Cyanide	9012B-Total Cyanide	Remarks
Preservation Codes															H	B	B	B	
HD-MW-67D-0/1-0	9/30/2024	0927	X					GW						3	X				
HD-MW-67S-0/1-0	10/1/2024	0850	X					GW						3	X				
HD-CW-2-0/1-0	10/1/2024	1305	X					GW						3	X				
HD-MW-143D-0/1-0	10/1/2024	1427	X					GW						3	X				
HD-MW-12-0/1-0	10/1/2024	1500	X					GW						3	X				
HD-CW-1A-0/1-0	9/30/2024	1300	X					GW						3	X				
HD-MW-3-0/1-0	9/30/2024	1425	X					GW						3	X				
HD-MW-2-0/1-0	10/1/2024	1125	X					GW						6	X	X	X	X	
HD-MW-65S-0/1-0	10/1/2024	1215	X					GW						3	X				
HD-QC2-0/1-2	9/30/24	—	X					Water						2	X				TRIP BLANK

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

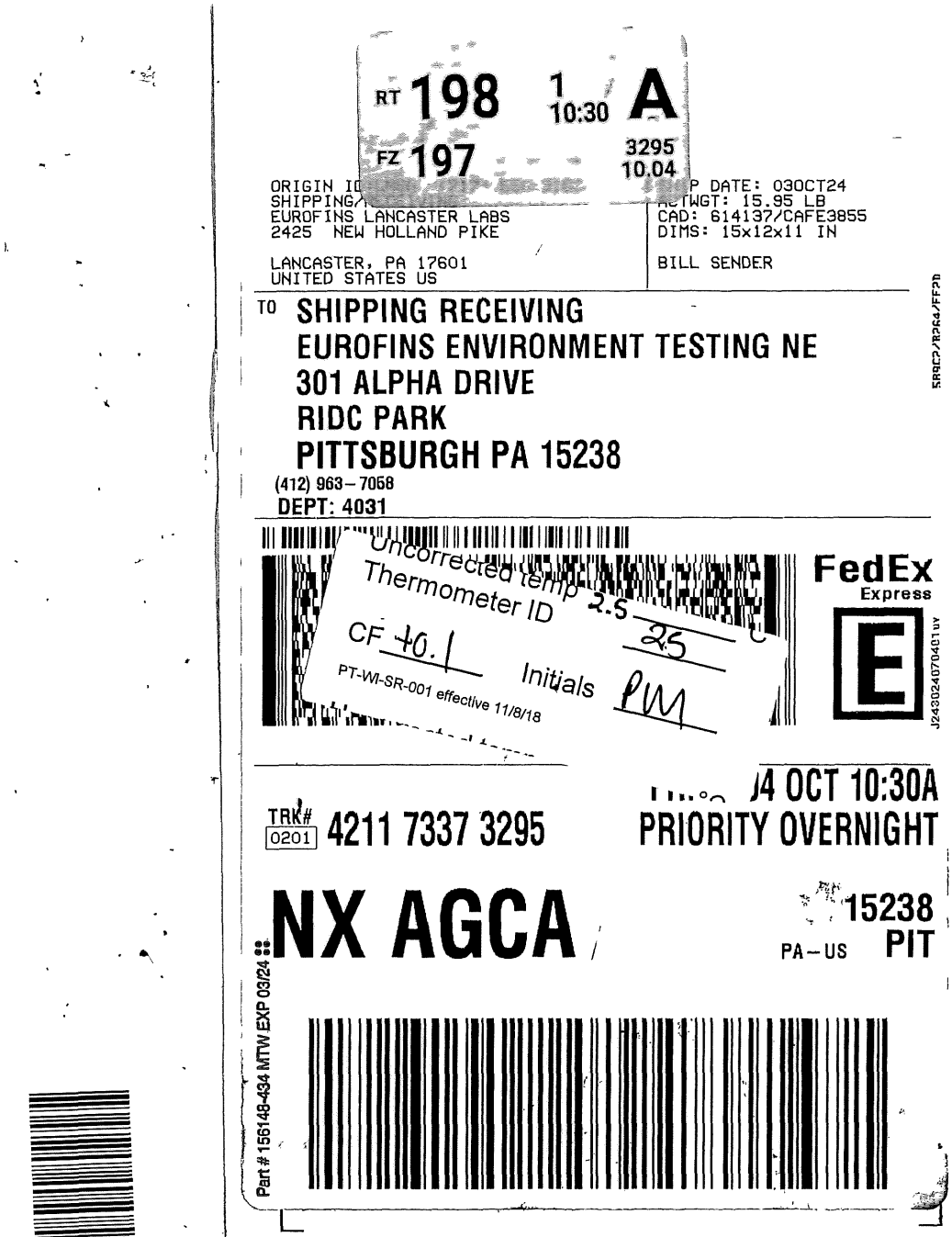
EDD Required? Yes ☑ No ☐ If yes, format: CLP Like Deliverables, Project Specific Analyte List

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10/2/24	0730	[signature] D.O'Mic	10/2/24	0730
[signature] D.O'Mic	10/2/24	12:42	[signature]	10/2/24	12:42
[signature]	10/2/24	1500			
			[signature]	10/2/24	1500

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature upon receipt R 1.3 C 1.3 °C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FZ 197 3295 10.04
ORIGIN ID
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EUROFINS LANCASTER LABS
2425 NEW HOLLAND PIKE
LANCASTER, PA 17601
UNITED STATES US
P DATE: 030CT24
ACTWGT: 15.95 LB
CAD: 614137/CAFE3855
DIMS: 15x12x11 IN
BILL SENDER
TO SHIPPING RECEIVING
EUROFINS ENVIRONMENT TESTING NE
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
DEPT: 4031
Uncorrected temp 2.5 C
Thermometer ID 25
CF +0.1
Initials PM
PT-WI-SR-001 effective 11/8/18
FedEx Express
J243024070401uy
TRK# 0201 4211 7337 3295
4 OCT 10:30A
PRIORITY OVERNIGHT
NX AGCA
15238
PA-US PIT
Part # 156148-434 MTW EXP 03/24


410-190648 Waybill

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone 717-656-2300 Fax 717-656-2681

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gallagher, Kelly	Carrier Tracking No(s)	COC No: 410-3149844 1
Client Contact: Shipping/Receiving	Phone	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 #: 410-190648-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 10/15/2024			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			
Email	WO #:			
Project Name: 2024 Comprehensive Sampling	Project #: 41001716			
Site	SSOW#:			

Analysis Requested

Preservation Codes: -

Other:

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)	1677/ Cyanide, Available (Flow Injection)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
HD-MW-2-0/1-0 (410-190648-8)	10/1/24	11 25 Eastern	G	Water			X	1	

410-190648 Chain of Custody

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	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Kristi Deans	10/3/24 1451	ELLET		10/04/24 0900	GPHS
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver 05/06/2024

10/16/2024

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gallagher, Kelly	Carrier Tracking No(s):	COC No: 410-3149840.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: kelly.gallagher@et.eurofinsus.com	State of Origin: Pennsylvania	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 410-190648-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 10/15/2024	Analysis Requested		Preservation Codes: -
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: 2024 Comprehensive Sampling	Project #: 41001716			Other:
Site:	SSOW#:			

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)	9014/9010C Ammenable Cyanide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
HD-MW-2-0/1-0 (410-190648-8)	10/1/24	11:25 Eastern	G	Water			X	1	

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	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *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:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Kristi Dean	10/3/24 1451	ELLET			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			DW	10-4-24 0909 1820	EUROFINS

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.8°C IR11

Ver: 05/06/2024

10/16/2024

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-190648-1

Login Number: 190648

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Kanagy, Nicholas

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-190648-1

Login Number: 190648

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

Creator: Jeremiah, Cory T

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time (excluding tests with immediate HTs)		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-190648-1

Login Number: 190648
List Number: 4
Creator: Waite, Daniel H

List Source: Eurofins Pensacola
List Creation: 10/04/24 06:21 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
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.	True	
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	

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-190648-1

Login Number: 190648
List Number: 3
Creator: Mullins, Plumm A

List Source: Eurofins Pittsburgh
List Creation: 10/04/24 03:38 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.	True	
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	