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ANALYTICAL REPORT

PREPARED FOR

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

Generated 06/12/2024

JOB DESCRIPTION

fYNOP Monthly Surface Water

JOB NUMBER

410-174025-1

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

See page two for job notes and contact information.

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
06/12/2024

Authorized for release by
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717 205-7820

Table of Contents

Qualifiers

GC/MS VOA

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

Glossary

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

Job Narrative
410-174025-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 5/31/2024 3:25 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 2.8°C.

GC/MS VOA
Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 410-515924 recovered above the upper control limit for 2-Hexanone, 4-Methyl-2-pentanone (MIBK), Chloromethane and Vinyl chloride. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

Detection Summary

Client: Groundwater Sciences Corporation
Job ID: 410-174025-1
Project/Site: fYNOP Monthly Surface Water

Client Sample ID: HD-COD-SW-6-0/1-0 — Lab Sample ID: 410-174025-1

No Detections.

Client Sample ID: HD-COD-SW-7-0/1-0 — Lab Sample ID: 410-174025-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-8-0/1-0 — Lab Sample ID: 410-174025-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.099	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.77		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.13	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-9-0/1-0 — Lab Sample ID: 410-174025-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.21	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.084	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-13-0/1-0 — Lab Sample ID: 410-174025-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.8	J	5.0	1.5	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.4		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.15	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-15-0/1-0 — Lab Sample ID: 410-174025-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.21	J	0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.12	J	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.19	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.66		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	4.4		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.87		0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-16-0/1-0 — Lab Sample ID: 410-174025-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.4		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.13	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-17-0/1-0 — Lab Sample ID: 410-174025-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	5.2		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.82		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.34	J	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.11	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	1.7		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	1.8		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	67		5.0	2.0	ug/L	10		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Groundwater Sciences Corporation
Job ID: 410-174025-1
Project/Site: fYNOP Monthly Surface Water

Client Sample ID: HD-COD-SW-26-0/1-0
Lab Sample ID: 410-174025-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.15	J	0.50	0.090	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.63		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-27-0/1-0
Lab Sample ID: 410-174025-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-28-0/1-0
Lab Sample ID: 410-174025-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.23	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.10	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-29-0/1-0
Lab Sample ID: 410-174025-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.087	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.44	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.12	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-QC1-0/1-1
Lab Sample ID: 410-174025-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	5.7		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.2		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.45	J	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.15	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	2.4		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	2.3		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	68		5.0	2.0	ug/L	10		8260D	Total/NA

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-174025-14

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: HD-COD-SW-6-0/1-0

Lab Sample ID: 410-174025-1

Date Collected: 05/30/24 10:19

Matrix: Water

Date Received: 05/31/24 15:25

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		0.50	0.070	ug/L			06/10/24 14:27	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 14:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/10/24 14:27	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 14:27	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/10/24 14:27	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 14:27	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/10/24 14:27	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/10/24 14:27	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/10/24 14:27	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/10/24 14:27	1
2-Hexanone	ND		5.0	2.0	ug/L			06/10/24 14:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/10/24 14:27	1
Acetone	ND		5.0	1.5	ug/L			06/10/24 14:27	1
Benzene	ND		0.50	0.10	ug/L			06/10/24 14:27	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/10/24 14:27	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/10/24 14:27	1
Bromoform	ND		1.0	0.30	ug/L			06/10/24 14:27	1
Bromomethane	ND		0.50	0.10	ug/L			06/10/24 14:27	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/10/24 14:27	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/10/24 14:27	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/10/24 14:27	1
Chloroethane	ND		0.50	0.10	ug/L			06/10/24 14:27	1
Chloroform	ND		0.50	0.090	ug/L			06/10/24 14:27	1
Chloromethane	ND		0.50	0.10	ug/L			06/10/24 14:27	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/10/24 14:27	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/10/24 14:27	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/10/24 14:27	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/10/24 14:27	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/10/24 14:27	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/10/24 14:27	1
Styrene	ND		0.50	0.070	ug/L			06/10/24 14:27	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/10/24 14:27	1
Toluene	ND		0.50	0.080	ug/L			06/10/24 14:27	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 14:27	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/10/24 14:27	1
Trichloroethene	ND		0.50	0.080	ug/L			06/10/24 14:27	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/10/24 14:27	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/10/24 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*06/10/24 14:27*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*06/10/24 14:27*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*06/10/24 14:27*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/10/24 14:27*	*1*

Client Sample ID: HD-COD-SW-7-0/1-0

Lab Sample ID: 410-174025-2

Date Collected: 05/30/24 11:07

Matrix: Water

Date Received: 05/31/24 15:25

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		0.50	0.070	ug/L			06/10/24 14:48	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 14:48	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/10/24 14:48	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 14:48	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/10/24 14:48	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 14:48	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/10/24 14:48	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/10/24 14:48	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/10/24 14:48	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/10/24 14:48	1
2-Hexanone	ND		5.0	2.0	ug/L			06/10/24 14:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/10/24 14:48	1
Acetone	ND		5.0	1.5	ug/L			06/10/24 14:48	1
Benzene	ND		0.50	0.10	ug/L			06/10/24 14:48	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/10/24 14:48	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/10/24 14:48	1
Bromoform	ND		1.0	0.30	ug/L			06/10/24 14:48	1
Bromomethane	ND		0.50	0.10	ug/L			06/10/24 14:48	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/10/24 14:48	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/10/24 14:48	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/10/24 14:48	1
Chloroethane	ND		0.50	0.10	ug/L			06/10/24 14:48	1
Chloroform	ND		0.50	0.090	ug/L			06/10/24 14:48	1
Chloromethane	ND		0.50	0.10	ug/L			06/10/24 14:48	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/10/24 14:48	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/10/24 14:48	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/10/24 14:48	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/10/24 14:48	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/10/24 14:48	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/10/24 14:48	1
Styrene	ND		0.50	0.070	ug/L			06/10/24 14:48	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/10/24 14:48	1
Toluene	ND		0.50	0.080	ug/L			06/10/24 14:48	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 14:48	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/10/24 14:48	1
Trichloroethene	**0.11**	**J**	0.50	0.080	ug/L			06/10/24 14:48	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/10/24 14:48	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/10/24 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*06/10/24 14:48*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*06/10/24 14:48*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*06/10/24 14:48*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/10/24 14:48*	*1*

Client Sample ID: HD-COD-SW-8-0/1-0

Lab Sample ID: 410-174025-3

Date Collected: 05/30/24 09:12

Matrix: Water

Date Received: 05/31/24 15:25

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		0.50	0.070	ug/L			06/10/24 15:08	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 15:08	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/10/24 15:08	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 15:08	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/10/24 15:08	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 15:08	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/10/24 15:08	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/10/24 15:08	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/10/24 15:08	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/10/24 15:08	1
2-Hexanone	ND		5.0	2.0	ug/L			06/10/24 15:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/10/24 15:08	1
Acetone	ND		5.0	1.5	ug/L			06/10/24 15:08	1
Benzene	ND		0.50	0.10	ug/L			06/10/24 15:08	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/10/24 15:08	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/10/24 15:08	1
Bromoform	ND		1.0	0.30	ug/L			06/10/24 15:08	1
Bromomethane	ND		0.50	0.10	ug/L			06/10/24 15:08	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/10/24 15:08	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/10/24 15:08	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/10/24 15:08	1
Chloroethane	ND		0.50	0.10	ug/L			06/10/24 15:08	1
Chloroform	ND		0.50	0.090	ug/L			06/10/24 15:08	1
Chloromethane	ND		0.50	0.10	ug/L			06/10/24 15:08	1
cis-1,2-Dichloroethene	**0.099**	**J**	0.50	0.080	ug/L			06/10/24 15:08	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/10/24 15:08	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/10/24 15:08	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/10/24 15:08	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/10/24 15:08	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/10/24 15:08	1
Styrene	ND		0.50	0.070	ug/L			06/10/24 15:08	1
Tetrachloroethene	**0.77**		0.50	0.20	ug/L			06/10/24 15:08	1
Toluene	ND		0.50	0.080	ug/L			06/10/24 15:08	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 15:08	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/10/24 15:08	1
Trichloroethene	**0.13**	**J**	0.50	0.080	ug/L			06/10/24 15:08	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/10/24 15:08	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/10/24 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*06/10/24 15:08*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*06/10/24 15:08*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*06/10/24 15:08*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/10/24 15:08*	*1*

Client Sample ID: HD-COD-SW-9-0/1-0

Lab Sample ID: 410-174025-4

Date Collected: 05/30/24 12:34

Matrix: Water

Date Received: 05/31/24 15:25

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		0.50	0.070	ug/L			06/10/24 15:29	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 15:29	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/10/24 15:29	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 15:29	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/10/24 15:29	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 15:29	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/10/24 15:29	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/10/24 15:29	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/10/24 15:29	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/10/24 15:29	1
2-Hexanone	ND		5.0	2.0	ug/L			06/10/24 15:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/10/24 15:29	1
Acetone	ND		5.0	1.5	ug/L			06/10/24 15:29	1
Benzene	ND		0.50	0.10	ug/L			06/10/24 15:29	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/10/24 15:29	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/10/24 15:29	1
Bromoform	ND		1.0	0.30	ug/L			06/10/24 15:29	1
Bromomethane	ND		0.50	0.10	ug/L			06/10/24 15:29	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/10/24 15:29	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/10/24 15:29	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/10/24 15:29	1
Chloroethane	ND		0.50	0.10	ug/L			06/10/24 15:29	1
Chloroform	ND		0.50	0.090	ug/L			06/10/24 15:29	1
Chloromethane	ND		0.50	0.10	ug/L			06/10/24 15:29	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/10/24 15:29	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/10/24 15:29	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/10/24 15:29	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/10/24 15:29	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/10/24 15:29	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/10/24 15:29	1
Styrene	ND		0.50	0.070	ug/L			06/10/24 15:29	1
Tetrachloroethene	**0.21**	**J**	0.50	0.20	ug/L			06/10/24 15:29	1
Toluene	ND		0.50	0.080	ug/L			06/10/24 15:29	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 15:29	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/10/24 15:29	1
Trichloroethene	**0.084**	**J**	0.50	0.080	ug/L			06/10/24 15:29	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/10/24 15:29	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/10/24 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/10/24 15:29*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*06/10/24 15:29*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*06/10/24 15:29*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/10/24 15:29*	*1*

Client Sample ID: HD-COD-SW-13-0/1-0

Lab Sample ID: 410-174025-5

Date Collected: 05/30/24 09:30

Matrix: Water

Date Received: 05/31/24 15:25

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		0.50	0.070	ug/L			06/10/24 15:50	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 15:50	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/10/24 15:50	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 15:50	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/10/24 15:50	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 15:50	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/10/24 15:50	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/10/24 15:50	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/10/24 15:50	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/10/24 15:50	1
2-Hexanone	ND		5.0	2.0	ug/L			06/10/24 15:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/10/24 15:50	1
Acetone	**1.8**	**J**	5.0	1.5	ug/L			06/10/24 15:50	1
Benzene	ND		0.50	0.10	ug/L			06/10/24 15:50	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/10/24 15:50	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/10/24 15:50	1
Bromoform	ND		1.0	0.30	ug/L			06/10/24 15:50	1
Bromomethane	ND		0.50	0.10	ug/L			06/10/24 15:50	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/10/24 15:50	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/10/24 15:50	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/10/24 15:50	1
Chloroethane	ND		0.50	0.10	ug/L			06/10/24 15:50	1
Chloroform	ND		0.50	0.090	ug/L			06/10/24 15:50	1
Chloromethane	ND		0.50	0.10	ug/L			06/10/24 15:50	1
cis-1,2-Dichloroethene	**0.11**	**J**	0.50	0.080	ug/L			06/10/24 15:50	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/10/24 15:50	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/10/24 15:50	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/10/24 15:50	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/10/24 15:50	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/10/24 15:50	1
Styrene	ND		0.50	0.070	ug/L			06/10/24 15:50	1
Tetrachloroethene	**1.4**		0.50	0.20	ug/L			06/10/24 15:50	1
Toluene	ND		0.50	0.080	ug/L			06/10/24 15:50	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 15:50	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/10/24 15:50	1
Trichloroethene	**0.15**	**J**	0.50	0.080	ug/L			06/10/24 15:50	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/10/24 15:50	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/10/24 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*06/10/24 15:50*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*06/10/24 15:50*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*06/10/24 15:50*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/10/24 15:50*	*1*

Client Sample ID: HD-COD-SW-15-0/1-0

Lab Sample ID: 410-174025-6

Date Collected: 05/30/24 11:30

Matrix: Water

Date Received: 05/31/24 15:25

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		0.50	0.070	ug/L			06/10/24 16:11	1
1,1,1-Trichloroethane	**0.21**	**J**	0.50	0.080	ug/L			06/10/24 16:11	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/10/24 16:11	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 16:11	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/10/24 16:11	1
1,1-Dichloroethene	**0.12**	**J**	0.50	0.10	ug/L			06/10/24 16:11	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/10/24 16:11	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/10/24 16:11	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/10/24 16:11	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/10/24 16:11	1
2-Hexanone	ND		5.0	2.0	ug/L			06/10/24 16:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/10/24 16:11	1
Acetone	ND		5.0	1.5	ug/L			06/10/24 16:11	1
Benzene	ND		0.50	0.10	ug/L			06/10/24 16:11	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/10/24 16:11	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/10/24 16:11	1
Bromoform	ND		1.0	0.30	ug/L			06/10/24 16:11	1
Bromomethane	ND		0.50	0.10	ug/L			06/10/24 16:11	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/10/24 16:11	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/10/24 16:11	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/10/24 16:11	1
Chloroethane	ND		0.50	0.10	ug/L			06/10/24 16:11	1
Chloroform	**0.19**	**J**	0.50	0.090	ug/L			06/10/24 16:11	1
Chloromethane	ND		0.50	0.10	ug/L			06/10/24 16:11	1
cis-1,2-Dichloroethene	**0.66**		0.50	0.080	ug/L			06/10/24 16:11	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/10/24 16:11	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/10/24 16:11	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/10/24 16:11	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/10/24 16:11	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/10/24 16:11	1
Styrene	ND		0.50	0.070	ug/L			06/10/24 16:11	1
Tetrachloroethene	**4.4**		0.50	0.20	ug/L			06/10/24 16:11	1
Toluene	ND		0.50	0.080	ug/L			06/10/24 16:11	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 16:11	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/10/24 16:11	1
Trichloroethene	**0.87**		0.50	0.080	ug/L			06/10/24 16:11	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/10/24 16:11	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/10/24 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/10/24 16:11*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*06/10/24 16:11*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*06/10/24 16:11*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/10/24 16:11*	*1*

Client Sample ID: HD-COD-SW-16-0/1-0

Lab Sample ID: 410-174025-7

Date Collected: 05/30/24 09:50

Matrix: Water

Date Received: 05/31/24 15:25

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		0.50	0.070	ug/L			06/10/24 17:15	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 17:15	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/10/24 17:15	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 17:15	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/10/24 17:15	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 17:15	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/10/24 17:15	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/10/24 17:15	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/10/24 17:15	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/10/24 17:15	1
2-Hexanone	ND		5.0	2.0	ug/L			06/10/24 17:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/10/24 17:15	1
Acetone	ND		5.0	1.5	ug/L			06/10/24 17:15	1
Benzene	ND		0.50	0.10	ug/L			06/10/24 17:15	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/10/24 17:15	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/10/24 17:15	1
Bromoform	ND		1.0	0.30	ug/L			06/10/24 17:15	1
Bromomethane	ND		0.50	0.10	ug/L			06/10/24 17:15	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/10/24 17:15	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/10/24 17:15	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/10/24 17:15	1
Chloroethane	ND		0.50	0.10	ug/L			06/10/24 17:15	1
Chloroform	ND		0.50	0.090	ug/L			06/10/24 17:15	1
Chloromethane	ND		0.50	0.10	ug/L			06/10/24 17:15	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/10/24 17:15	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/10/24 17:15	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/10/24 17:15	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/10/24 17:15	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/10/24 17:15	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/10/24 17:15	1
Styrene	ND		0.50	0.070	ug/L			06/10/24 17:15	1
Tetrachloroethene	**1.4**		0.50	0.20	ug/L			06/10/24 17:15	1
Toluene	ND		0.50	0.080	ug/L			06/10/24 17:15	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 17:15	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/10/24 17:15	1
Trichloroethene	**0.13**	**J**	0.50	0.080	ug/L			06/10/24 17:15	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/10/24 17:15	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/10/24 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*06/10/24 17:15*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*06/10/24 17:15*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*06/10/24 17:15*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/10/24 17:15*	*1*

Client Sample ID: HD-COD-SW-17-0/1-0

Lab Sample ID: 410-174025-8

Date Collected: 05/30/24 10:00

Matrix: Water

Date Received: 05/31/24 15:25

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		0.50	0.070	ug/L			06/10/24 20:02	1
1,1,1-Trichloroethane	**5.2**		0.50	0.080	ug/L			06/10/24 20:02	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/10/24 20:02	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 20:02	1
1,1-Dichloroethane	**0.82**		0.50	0.10	ug/L			06/10/24 20:02	1
1,1-Dichloroethene	**0.34**	J	0.50	0.10	ug/L			06/10/24 20:02	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/10/24 20:02	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/10/24 20:02	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/10/24 20:02	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/10/24 20:02	1
2-Hexanone	ND		5.0	2.0	ug/L			06/10/24 20:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/10/24 20:02	1
Acetone	ND		5.0	1.5	ug/L			06/10/24 20:02	1
Benzene	ND		0.50	0.10	ug/L			06/10/24 20:02	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/10/24 20:02	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/10/24 20:02	1
Bromoform	ND		1.0	0.30	ug/L			06/10/24 20:02	1
Bromomethane	ND		0.50	0.10	ug/L			06/10/24 20:02	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/10/24 20:02	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/10/24 20:02	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/10/24 20:02	1
Chloroethane	ND		0.50	0.10	ug/L			06/10/24 20:02	1
Chloroform	**0.11**	J	0.50	0.090	ug/L			06/10/24 20:02	1
Chloromethane	ND		0.50	0.10	ug/L			06/10/24 20:02	1
cis-1,2-Dichloroethene	**1.7**		0.50	0.080	ug/L			06/10/24 20:02	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/10/24 20:02	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/10/24 20:02	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/10/24 20:02	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/10/24 20:02	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/10/24 20:02	1
Styrene	ND		0.50	0.070	ug/L			06/10/24 20:02	1
Toluene	ND		0.50	0.080	ug/L			06/10/24 20:02	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 20:02	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/10/24 20:02	1
Trichloroethene	**1.8**		0.50	0.080	ug/L			06/10/24 20:02	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/10/24 20:02	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/10/24 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*06/10/24 20:02*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*06/10/24 20:02*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*06/10/24 20:02*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/10/24 20:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**67**		5.0	2.0	ug/L			06/10/24 20:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/10/24 20:23*	*10*

Client Sample ID: HD-COD-SW-17-0/1-0

Lab Sample ID: 410-174025-8

Date Collected: 05/30/24 10:00

Matrix: Water

Date Received: 05/31/24 15:25

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*06/10/24 20:23*	*10*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*06/10/24 20:23*	*10*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/10/24 20:23*	*10*

Client Sample ID: HD-COD-SW-26-0/1-0

Lab Sample ID: 410-174025-9

Date Collected: 05/30/24 10:45

Matrix: Water

Date Received: 05/31/24 15:25

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		0.50	0.070	ug/L			06/10/24 17:36	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 17:36	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/10/24 17:36	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 17:36	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/10/24 17:36	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 17:36	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/10/24 17:36	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/10/24 17:36	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/10/24 17:36	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/10/24 17:36	1
2-Hexanone	ND		5.0	2.0	ug/L			06/10/24 17:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/10/24 17:36	1
Acetone	ND		5.0	1.5	ug/L			06/10/24 17:36	1
Benzene	ND		0.50	0.10	ug/L			06/10/24 17:36	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/10/24 17:36	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/10/24 17:36	1
Bromoform	ND		1.0	0.30	ug/L			06/10/24 17:36	1
Bromomethane	ND		0.50	0.10	ug/L			06/10/24 17:36	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/10/24 17:36	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/10/24 17:36	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/10/24 17:36	1
Chloroethane	ND		0.50	0.10	ug/L			06/10/24 17:36	1
Chloroform	**0.15**	**J**	0.50	0.090	ug/L			06/10/24 17:36	1
Chloromethane	ND		0.50	0.10	ug/L			06/10/24 17:36	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/10/24 17:36	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/10/24 17:36	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/10/24 17:36	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/10/24 17:36	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/10/24 17:36	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/10/24 17:36	1
Styrene	ND		0.50	0.070	ug/L			06/10/24 17:36	1
Tetrachloroethene	**0.63**		0.50	0.20	ug/L			06/10/24 17:36	1
Toluene	ND		0.50	0.080	ug/L			06/10/24 17:36	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 17:36	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/10/24 17:36	1
Trichloroethene	**0.11**	**J**	0.50	0.080	ug/L			06/10/24 17:36	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/10/24 17:36	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/10/24 17:36	1

Client Sample ID: HD-COD-SW-26-0/1-0

Lab Sample ID: 410-174025-9

Date Collected: 05/30/24 10:45

Matrix: Water

Date Received: 05/31/24 15:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/10/24 17:36*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*06/10/24 17:36*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*06/10/24 17:36*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/10/24 17:36*	*1*

Client Sample ID: HD-COD-SW-27-0/1-0

Lab Sample ID: 410-174025-10

Date Collected: 05/30/24 11:19

Matrix: Water

Date Received: 05/31/24 15:25

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		0.50	0.070	ug/L			06/10/24 17:56	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 17:56	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/10/24 17:56	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 17:56	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/10/24 17:56	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 17:56	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/10/24 17:56	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/10/24 17:56	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/10/24 17:56	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/10/24 17:56	1
2-Hexanone	ND		5.0	2.0	ug/L			06/10/24 17:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/10/24 17:56	1
Acetone	ND		5.0	1.5	ug/L			06/10/24 17:56	1
Benzene	ND		0.50	0.10	ug/L			06/10/24 17:56	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/10/24 17:56	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/10/24 17:56	1
Bromoform	ND		1.0	0.30	ug/L			06/10/24 17:56	1
Bromomethane	ND		0.50	0.10	ug/L			06/10/24 17:56	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/10/24 17:56	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/10/24 17:56	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/10/24 17:56	1
Chloroethane	ND		0.50	0.10	ug/L			06/10/24 17:56	1
Chloroform	ND		0.50	0.090	ug/L			06/10/24 17:56	1
Chloromethane	ND		0.50	0.10	ug/L			06/10/24 17:56	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/10/24 17:56	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/10/24 17:56	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/10/24 17:56	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/10/24 17:56	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/10/24 17:56	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/10/24 17:56	1
Styrene	ND		0.50	0.070	ug/L			06/10/24 17:56	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/10/24 17:56	1
Toluene	ND		0.50	0.080	ug/L			06/10/24 17:56	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 17:56	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/10/24 17:56	1
Trichloroethene	**0.11**	**J**	0.50	0.080	ug/L			06/10/24 17:56	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/10/24 17:56	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/10/24 17:56	1

Client Sample ID: HD-COD-SW-27-0/1-0

Lab Sample ID: 410-174025-10

Date Collected: 05/30/24 11:19

Matrix: Water

Date Received: 05/31/24 15:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		06/10/24 17:56	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/10/24 17:56	1
Dibromofluoromethane (Surr)	109		80 - 120		06/10/24 17:56	1
Toluene-d8 (Surr)	97		80 - 120		06/10/24 17:56	1

Client Sample ID: HD-COD-SW-28-0/1-0

Lab Sample ID: 410-174025-11

Date Collected: 05/30/24 12:55

Matrix: Water

Date Received: 05/31/24 15:25

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		0.50	0.070	ug/L			06/10/24 18:17	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 18:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/10/24 18:17	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 18:17	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/10/24 18:17	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 18:17	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/10/24 18:17	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/10/24 18:17	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/10/24 18:17	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/10/24 18:17	1
2-Hexanone	ND		5.0	2.0	ug/L			06/10/24 18:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/10/24 18:17	1
Acetone	ND		5.0	1.5	ug/L			06/10/24 18:17	1
Benzene	ND		0.50	0.10	ug/L			06/10/24 18:17	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/10/24 18:17	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/10/24 18:17	1
Bromoform	ND		1.0	0.30	ug/L			06/10/24 18:17	1
Bromomethane	ND		0.50	0.10	ug/L			06/10/24 18:17	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/10/24 18:17	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/10/24 18:17	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/10/24 18:17	1
Chloroethane	ND		0.50	0.10	ug/L			06/10/24 18:17	1
Chloroform	ND		0.50	0.090	ug/L			06/10/24 18:17	1
Chloromethane	ND		0.50	0.10	ug/L			06/10/24 18:17	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/10/24 18:17	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/10/24 18:17	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/10/24 18:17	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/10/24 18:17	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/10/24 18:17	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/10/24 18:17	1
Styrene	ND		0.50	0.070	ug/L			06/10/24 18:17	1
Tetrachloroethene	**0.23**	**J**	0.50	0.20	ug/L			06/10/24 18:17	1
Toluene	ND		0.50	0.080	ug/L			06/10/24 18:17	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 18:17	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/10/24 18:17	1
Trichloroethene	**0.10**	**J**	0.50	0.080	ug/L			06/10/24 18:17	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/10/24 18:17	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/10/24 18:17	1

Client Sample ID: HD-COD-SW-28-0/1-0

Lab Sample ID: 410-174025-11

Date Collected: 05/30/24 12:55

Matrix: Water

Date Received: 05/31/24 15:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/10/24 18:17*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*06/10/24 18:17*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*06/10/24 18:17*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/10/24 18:17*	*1*

Client Sample ID: HD-COD-SW-29-0/1-0

Lab Sample ID: 410-174025-12

Date Collected: 05/30/24 08:57

Matrix: Water

Date Received: 05/31/24 15:25

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		0.50	0.070	ug/L			06/10/24 18:38	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 18:38	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/10/24 18:38	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 18:38	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/10/24 18:38	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 18:38	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/10/24 18:38	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/10/24 18:38	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/10/24 18:38	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/10/24 18:38	1
2-Hexanone	ND		5.0	2.0	ug/L			06/10/24 18:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/10/24 18:38	1
Acetone	ND		5.0	1.5	ug/L			06/10/24 18:38	1
Benzene	ND		0.50	0.10	ug/L			06/10/24 18:38	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/10/24 18:38	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/10/24 18:38	1
Bromoform	ND		1.0	0.30	ug/L			06/10/24 18:38	1
Bromomethane	ND		0.50	0.10	ug/L			06/10/24 18:38	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/10/24 18:38	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/10/24 18:38	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/10/24 18:38	1
Chloroethane	ND		0.50	0.10	ug/L			06/10/24 18:38	1
Chloroform	ND		0.50	0.090	ug/L			06/10/24 18:38	1
Chloromethane	ND		0.50	0.10	ug/L			06/10/24 18:38	1
cis-1,2-Dichloroethene	**0.087**	**J**	0.50	0.080	ug/L			06/10/24 18:38	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/10/24 18:38	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/10/24 18:38	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/10/24 18:38	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/10/24 18:38	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/10/24 18:38	1
Styrene	ND		0.50	0.070	ug/L			06/10/24 18:38	1
Tetrachloroethene	**0.44**	**J**	0.50	0.20	ug/L			06/10/24 18:38	1
Toluene	ND		0.50	0.080	ug/L			06/10/24 18:38	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 18:38	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/10/24 18:38	1
Trichloroethene	**0.12**	**J**	0.50	0.080	ug/L			06/10/24 18:38	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/10/24 18:38	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/10/24 18:38	1

Client Sample ID: HD-COD-SW-29-0/1-0

Lab Sample ID: 410-174025-12

Date Collected: 05/30/24 08:57

Matrix: Water

Date Received: 05/31/24 15:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/10/24 18:38*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*06/10/24 18:38*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*06/10/24 18:38*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/10/24 18:38*	*1*

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

Lab Sample ID: 410-174025-13

Date Collected: 05/30/24 12:00

Matrix: Water

Date Received: 05/31/24 15:25

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		0.50	0.070	ug/L			06/11/24 16:43	1
1,1,1-Trichloroethane	**5.7**		0.50	0.080	ug/L			06/11/24 16:43	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/11/24 16:43	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/11/24 16:43	1
1,1-Dichloroethane	**1.2**		0.50	0.10	ug/L			06/11/24 16:43	1
1,1-Dichloroethene	**0.45**	**J**	0.50	0.10	ug/L			06/11/24 16:43	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/11/24 16:43	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/11/24 16:43	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/11/24 16:43	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/11/24 16:43	1
2-Hexanone	ND	^c cn	5.0	2.0	ug/L			06/11/24 16:43	1
4-Methyl-2-pentanone (MIBK)	ND	^c cn	5.0	1.0	ug/L			06/11/24 16:43	1
Acetone	ND		5.0	1.5	ug/L			06/11/24 16:43	1
Benzene	ND		0.50	0.10	ug/L			06/11/24 16:43	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/11/24 16:43	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/11/24 16:43	1
Bromoform	ND		1.0	0.30	ug/L			06/11/24 16:43	1
Bromomethane	ND		0.50	0.10	ug/L			06/11/24 16:43	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/11/24 16:43	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/11/24 16:43	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/11/24 16:43	1
Chloroethane	ND		0.50	0.10	ug/L			06/11/24 16:43	1
Chloroform	**0.15**	**J**	0.50	0.090	ug/L			06/11/24 16:43	1
Chloromethane	ND	^c cn	0.50	0.10	ug/L			06/11/24 16:43	1
cis-1,2-Dichloroethene	**2.4**		0.50	0.080	ug/L			06/11/24 16:43	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/11/24 16:43	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/11/24 16:43	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/11/24 16:43	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/11/24 16:43	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/11/24 16:43	1
Styrene	ND		0.50	0.070	ug/L			06/11/24 16:43	1
Toluene	ND		0.50	0.080	ug/L			06/11/24 16:43	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/11/24 16:43	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/11/24 16:43	1
Trichloroethene	**2.3**		0.50	0.080	ug/L			06/11/24 16:43	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			06/11/24 16:43	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/11/24 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*06/11/24 16:43*	*1*

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

Lab Sample ID: 410-174025-13

Date Collected: 05/30/24 12:00

Matrix: Water

Date Received: 05/31/24 15:25

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*06/11/24 16:43*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*06/11/24 16:43*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/11/24 16:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**68**		5.0	2.0	ug/L			06/11/24 17:05	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*06/11/24 17:05*	*10*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*06/11/24 17:05*	*10*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*06/11/24 17:05*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/11/24 17:05*	*10*

Client Sample ID: HD-QC1-0/1-2

Lab Sample ID: 410-174025-14

Date Collected: 05/30/24 00:00

Matrix: Water

Date Received: 05/31/24 15:25

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		0.50	0.070	ug/L			06/10/24 12:00	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 12:00	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/10/24 12:00	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 12:00	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/10/24 12:00	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 12:00	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/10/24 12:00	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/10/24 12:00	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/10/24 12:00	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/10/24 12:00	1
2-Hexanone	ND		5.0	2.0	ug/L			06/10/24 12:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/10/24 12:00	1
Acetone	ND		5.0	1.5	ug/L			06/10/24 12:00	1
Benzene	ND		0.50	0.10	ug/L			06/10/24 12:00	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/10/24 12:00	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/10/24 12:00	1
Bromoform	ND		1.0	0.30	ug/L			06/10/24 12:00	1
Bromomethane	ND		0.50	0.10	ug/L			06/10/24 12:00	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/10/24 12:00	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/10/24 12:00	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/10/24 12:00	1
Chloroethane	ND		0.50	0.10	ug/L			06/10/24 12:00	1
Chloroform	ND		0.50	0.090	ug/L			06/10/24 12:00	1
Chloromethane	ND		0.50	0.10	ug/L			06/10/24 12:00	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/10/24 12:00	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/10/24 12:00	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/10/24 12:00	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/10/24 12:00	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/10/24 12:00	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/10/24 12:00	1

Client: Groundwater Sciences Corporation
Job ID: 410-174025-1
Project/Site: fYNOP Monthly Surface Water

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-174025-14
Date Collected: 05/30/24 00:00
Matrix: Water
Date Received: 05/31/24 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.50	0.070	ug/L			06/10/24 12:00	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/10/24 12:00	1
Toluene	ND		0.50	0.080	ug/L			06/10/24 12:00	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 12:00	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/10/24 12:00	1
Trichloroethene	ND		0.50	0.080	ug/L			06/10/24 12:00	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/10/24 12:00	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/10/24 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/10/24 12:00*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*06/10/24 12:00*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*06/10/24 12:00*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/10/24 12:00*	*1*

Default Detection Limits

Client: Groundwater Sciences Corporation
Job ID: 410-174025-1
Project/Site: fYNOP Monthly Surface Water

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

Analyte	RL	MDL	Units
1,1,1,2-Tetrachloroethane	0.50	0.070	ug/L
1,1,1-Trichloroethane	0.50	0.080	ug/L
1,1,2,2-Tetrachloroethane	0.50	0.10	ug/L
1,1,2-Trichloroethane	0.50	0.080	ug/L
1,1-Dichloroethane	0.50	0.10	ug/L
1,1-Dichloroethene	0.50	0.10	ug/L
1,2-Dibromoethane (EDB)	0.50	0.080	ug/L
1,2-Dichloroethane	0.50	0.070	ug/L
1,2-Dichloropropane	0.50	0.10	ug/L
2-Butanone (MEK)	5.0	1.0	ug/L
2-Hexanone	5.0	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	5.0	1.0	ug/L
Acetone	5.0	1.5	ug/L
Benzene	0.50	0.10	ug/L
Bromochloromethane	0.50	0.080	ug/L
Bromodichloromethane	0.50	0.080	ug/L
Bromoform	1.0	0.30	ug/L
Bromomethane	0.50	0.10	ug/L
Carbon disulfide	1.0	0.10	ug/L
Carbon tetrachloride	0.50	0.10	ug/L
Chlorobenzene	0.50	0.070	ug/L
Chloroethane	0.50	0.10	ug/L
Chloroform	0.50	0.090	ug/L
Chloromethane	0.50	0.10	ug/L
cis-1,2-Dichloroethene	0.50	0.080	ug/L
cis-1,3-Dichloropropene	0.50	0.10	ug/L
Dibromochloromethane	0.50	0.080	ug/L
Ethylbenzene	0.50	0.080	ug/L
Methyl tert-butyl ether	0.50	0.080	ug/L
Methylene Chloride	0.50	0.20	ug/L
Styrene	0.50	0.070	ug/L
Tetrachloroethene	0.50	0.20	ug/L
Toluene	0.50	0.080	ug/L
trans-1,2-Dichloroethene	0.50	0.10	ug/L
trans-1,3-Dichloropropene	0.50	0.080	ug/L
Trichloroethene	0.50	0.080	ug/L
Vinyl chloride	0.50	0.10	ug/L
Xylenes, Total	1.0	0.070	ug/L

Surrogate Summary

Client: Groundwater Sciences Corporation
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-174025-1

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)
410-174025-1	HD-COD-SW-6-0/1-0	101	95	107	97
410-174025-2	HD-COD-SW-7-0/1-0	105	95	110	98
410-174025-3	HD-COD-SW-8-0/1-0	107	96	108	97
410-174025-4	HD-COD-SW-9-0/1-0	103	94	108	96
410-174025-5	HD-COD-SW-13-0/1-0	105	98	108	97
410-174025-6	HD-COD-SW-15-0/1-0	104	95	107	96
410-174025-6 MS	HD-COD-SW-15-0/1-0 MS	103	102	105	99
410-174025-6 MSD	HD-COD-SW-15-0/1-0 MSD	100	101	105	99
410-174025-7	HD-COD-SW-16-0/1-0	100	97	107	98
410-174025-8	HD-COD-SW-17-0/1-0	105	96	107	96
410-174025-8 - DL	HD-COD-SW-17-0/1-0	104	95	110	96
410-174025-9	HD-COD-SW-26-0/1-0	103	97	108	97
410-174025-10	HD-COD-SW-27-0/1-0	105	97	109	97
410-174025-11	HD-COD-SW-28-0/1-0	103	93	110	96
410-174025-12	HD-COD-SW-29-0/1-0	104	97	109	98
410-174025-13	HD-QC1-0/1-1	97	95	95	102
410-174025-13 - DL	HD-QC1-0/1-1	98	95	95	102
410-174025-14	HD-QC1-0/1-2	104	97	106	97
LCS 410-515485/4	Lab Control Sample	106	100	105	98
LCS 410-515924/6	Lab Control Sample	96	102	93	106
MB 410-515485/6	Method Blank	104	96	108	96
MB 410-515924/8	Method Blank	97	97	95	103

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 410-515485/6
Matrix: Water
Analysis Batch: 515485

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		0.50	0.070	ug/L			06/10/24 11:39	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 11:39	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/10/24 11:39	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/10/24 11:39	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/10/24 11:39	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 11:39	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/10/24 11:39	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/10/24 11:39	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/10/24 11:39	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/10/24 11:39	1
2-Hexanone	ND		5.0	2.0	ug/L			06/10/24 11:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/10/24 11:39	1
Acetone	ND		5.0	1.5	ug/L			06/10/24 11:39	1
Benzene	ND		0.50	0.10	ug/L			06/10/24 11:39	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/10/24 11:39	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/10/24 11:39	1
Bromoform	ND		1.0	0.30	ug/L			06/10/24 11:39	1
Bromomethane	ND		0.50	0.10	ug/L			06/10/24 11:39	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/10/24 11:39	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/10/24 11:39	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/10/24 11:39	1
Chloroethane	ND		0.50	0.10	ug/L			06/10/24 11:39	1
Chloroform	ND		0.50	0.090	ug/L			06/10/24 11:39	1
Chloromethane	ND		0.50	0.10	ug/L			06/10/24 11:39	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/10/24 11:39	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/10/24 11:39	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/10/24 11:39	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/10/24 11:39	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/10/24 11:39	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/10/24 11:39	1
Styrene	ND		0.50	0.070	ug/L			06/10/24 11:39	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/10/24 11:39	1
Toluene	ND		0.50	0.080	ug/L			06/10/24 11:39	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/10/24 11:39	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/10/24 11:39	1
Trichloroethene	ND		0.50	0.080	ug/L			06/10/24 11:39	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/10/24 11:39	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/10/24 11:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/10/24 11:39*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*06/10/24 11:39*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*06/10/24 11:39*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/10/24 11:39*	*1*

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

Lab Sample ID: LCS 410-515485/4
Matrix: Water
Analysis Batch: 515485

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	5.00	4.84		ug/L		97	71 - 134
1,1,1-Trichloroethane	5.00	4.94		ug/L		99	78 - 126
1,1,2,2-Tetrachloroethane	5.00	4.79		ug/L		96	75 - 123
1,1,2-Trichloroethane	5.00	4.74		ug/L		95	80 - 120
1,1-Dichloroethane	5.00	4.61		ug/L		92	74 - 120
1,1-Dichloroethene	5.00	4.81		ug/L		96	80 - 131
1,2-Dibromoethane (EDB)	5.00	4.77		ug/L		95	80 - 120
1,2-Dichloroethane	5.00	4.96		ug/L		99	69 - 122
1,2-Dichloropropane	5.00	4.65		ug/L		93	80 - 120
2-Butanone (MEK)	62.5	61.0		ug/L		98	59 - 141
2-Hexanone	62.5	60.2		ug/L		96	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	60.7		ug/L		97	55 - 140
Acetone	62.5	58.1		ug/L		93	60 - 146
Benzene	5.00	4.64		ug/L		93	80 - 120
Bromochloromethane	5.00	5.25		ug/L		105	80 - 120
Bromodichloromethane	5.00	4.96		ug/L		99	73 - 124
Bromoform	5.00	4.92		ug/L		98	49 - 144
Bromomethane	5.00	4.85		ug/L		97	60 - 136
Carbon disulfide	5.00	4.31		ug/L		86	67 - 130
Carbon tetrachloride	5.00	5.22		ug/L		104	64 - 141
Chlorobenzene	5.00	4.78		ug/L		96	80 - 120
Chloroethane	5.00	4.82		ug/L		96	63 - 120
Chloroform	5.00	4.77		ug/L		95	80 - 120
Chloromethane	5.00	4.23		ug/L		85	56 - 124
cis-1,2-Dichloroethene	5.00	4.74		ug/L		95	80 - 122
cis-1,3-Dichloropropene	5.00	4.42		ug/L		88	67 - 121
Dibromochloromethane	5.00	4.99		ug/L		100	64 - 138
Ethylbenzene	5.00	4.56		ug/L		91	80 - 120
Methyl tert-butyl ether	5.00	4.18		ug/L		84	69 - 120
Methylene Chloride	5.00	4.80		ug/L		96	80 - 120
Styrene	5.00	4.73		ug/L		95	80 - 120
Tetrachloroethene	5.00	4.64		ug/L		93	80 - 120
Toluene	5.00	4.60		ug/L		92	80 - 120
trans-1,2-Dichloroethene	5.00	4.77		ug/L		95	80 - 122
trans-1,3-Dichloropropene	5.00	4.52		ug/L		90	61 - 129
Trichloroethene	5.00	4.68		ug/L		94	80 - 120
Vinyl chloride	5.00	4.62		ug/L		92	60 - 125
Xylenes, Total	15.0	14.1		ug/L		94	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 410-174025-6 MS
Matrix: Water
Analysis Batch: 515485

Client Sample ID: HD-COD-SW-15-0/1-0 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	ND		5.00	4.57		ug/L		91	71 - 134
1,1,1-Trichloroethane	0.21	J	5.00	5.13		ug/L		98	78 - 126
1,1,2,2-Tetrachloroethane	ND		5.00	4.09		ug/L		82	75 - 123
1,1,2-Trichloroethane	ND		5.00	4.39		ug/L		88	80 - 120
1,1-Dichloroethane	ND		5.00	4.59		ug/L		92	74 - 120
1,1-Dichloroethene	0.12	J	5.00	4.94		ug/L		96	80 - 131
1,2-Dibromoethane (EDB)	ND		5.00	4.31		ug/L		86	80 - 120
1,2-Dichloroethane	ND		5.00	4.60		ug/L		92	69 - 122
1,2-Dichloropropane	ND		5.00	4.39		ug/L		88	80 - 120
2-Butanone (MEK)	ND		62.6	54.4		ug/L		87	59 - 141
2-Hexanone	ND		62.6	52.0		ug/L		83	52 - 140
4-Methyl-2-pentanone (MIBK)	ND		62.6	54.3		ug/L		87	55 - 140
Acetone	ND		62.6	51.7		ug/L		83	60 - 146
Benzene	ND		5.00	4.47		ug/L		89	80 - 120
Bromochloromethane	ND		5.00	4.86		ug/L		97	80 - 120
Bromodichloromethane	ND		5.00	4.64		ug/L		93	73 - 124
Bromoform	ND		5.00	4.32		ug/L		86	49 - 144
Bromomethane	ND		5.00	4.75		ug/L		95	60 - 136
Carbon disulfide	ND		5.00	4.30		ug/L		86	67 - 130
Carbon tetrachloride	ND		5.00	5.16		ug/L		103	64 - 141
Chlorobenzene	ND		5.00	4.61		ug/L		92	80 - 120
Chloroethane	ND		5.00	4.64		ug/L		93	63 - 120
Chloroform	0.19	J	5.00	4.65		ug/L		89	80 - 120
Chloromethane	ND		5.00	4.12		ug/L		82	80 - 120
cis-1,2-Dichloroethene	0.66		5.00	5.27		ug/L		92	80 - 122
cis-1,3-Dichloropropene	ND		5.00	4.02		ug/L		80	67 - 121
Dibromochloromethane	ND		5.00	4.56		ug/L		91	64 - 138
Ethylbenzene	ND		5.00	4.43		ug/L		88	80 - 120
Methyl tert-butyl ether	ND		5.00	3.84		ug/L		77	69 - 120
Methylene Chloride	ND		5.00	4.56		ug/L		91	80 - 120
Styrene	ND		5.00	4.39		ug/L		88	80 - 120
Tetrachloroethene	4.4		5.00	9.09		ug/L		93	80 - 120
Toluene	ND		5.00	4.46		ug/L		89	80 - 120
trans-1,2-Dichloroethene	ND		5.00	4.60		ug/L		92	80 - 122
trans-1,3-Dichloropropene	ND		5.00	4.14		ug/L		83	61 - 129
Trichloroethene	0.87		5.00	5.45		ug/L		91	80 - 120
Vinyl chloride	ND		5.00	4.66		ug/L		93	60 - 125
Xylenes, Total	ND		15.0	13.5		ug/L		90	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: 410-174025-6 MSD
Matrix: Water
Analysis Batch: 515485

Client Sample ID: HD-COD-SW-15-0/1-0 MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		5.00	4.51		ug/L		90	71 - 134	1	30
1,1,1-Trichloroethane	0.21	J	5.00	5.06		ug/L		97	78 - 126	1	30
1,1,2,2-Tetrachloroethane	ND		5.00	3.97		ug/L		79	75 - 123	3	30
1,1,2-Trichloroethane	ND		5.00	4.29		ug/L		86	80 - 120	2	30
1,1-Dichloroethane	ND		5.00	4.55		ug/L		91	74 - 120	1	30
1,1-Dichloroethene	0.12	J	5.00	4.93		ug/L		96	80 - 131	0	30
1,2-Dibromoethane (EDB)	ND		5.00	4.32		ug/L		86	80 - 120	0	30
1,2-Dichloroethane	ND		5.00	4.35		ug/L		87	69 - 122	5	30
1,2-Dichloropropane	ND		5.00	4.41		ug/L		88	80 - 120	0	30
2-Butanone (MEK)	ND		62.6	56.8		ug/L		91	59 - 141	4	30
2-Hexanone	ND		62.6	54.6		ug/L		87	52 - 140	5	30
4-Methyl-2-pentanone (MIBK)	ND		62.6	56.5		ug/L		90	55 - 140	4	30
Acetone	ND		62.6	52.1		ug/L		83	60 - 146	1	30
Benzene	ND		5.00	4.42		ug/L		88	80 - 120	1	30
Bromochloromethane	ND		5.00	4.77		ug/L		95	80 - 120	2	30
Bromodichloromethane	ND		5.00	4.50		ug/L		90	73 - 124	3	30
Bromoform	ND		5.00	4.18		ug/L		83	49 - 144	3	30
Bromomethane	ND		5.00	4.79		ug/L		96	60 - 136	1	30
Carbon disulfide	ND		5.00	4.23		ug/L		85	67 - 130	2	30
Carbon tetrachloride	ND		5.00	5.11		ug/L		102	64 - 141	1	30
Chlorobenzene	ND		5.00	4.48		ug/L		89	80 - 120	3	30
Chloroethane	ND		5.00	4.79		ug/L		96	63 - 120	3	30
Chloroform	0.19	J	5.00	4.61		ug/L		88	80 - 120	1	30
Chloromethane	ND		5.00	4.20		ug/L		84	80 - 120	2	30
cis-1,2-Dichloroethene	0.66		5.00	5.24		ug/L		92	80 - 122	1	30
cis-1,3-Dichloropropene	ND		5.00	4.01		ug/L		80	67 - 121	0	30
Dibromochloromethane	ND		5.00	4.41		ug/L		88	64 - 138	3	30
Ethylbenzene	ND		5.00	4.35		ug/L		87	80 - 120	2	30
Methyl tert-butyl ether	ND		5.00	3.79		ug/L		76	69 - 120	1	30
Methylene Chloride	ND		5.00	4.48		ug/L		90	80 - 120	2	30
Styrene	ND		5.00	4.24		ug/L		85	80 - 120	3	30
Tetrachloroethene	4.4		5.00	8.82		ug/L		88	80 - 120	3	30
Toluene	ND		5.00	4.38		ug/L		88	80 - 120	2	30
trans-1,2-Dichloroethene	ND		5.00	4.59		ug/L		92	80 - 122	0	30
trans-1,3-Dichloropropene	ND		5.00	4.00		ug/L		80	61 - 129	4	30
Trichloroethene	0.87		5.00	5.30		ug/L		89	80 - 120	3	30
Vinyl chloride	ND		5.00	4.69		ug/L		94	60 - 125	1	30
Xylenes, Total	ND		15.0	13.3		ug/L		88	80 - 120	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 410-515924/8
Matrix: Water
Analysis Batch: 515924

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		0.50	0.070	ug/L			06/11/24 12:38	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/11/24 12:38	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/11/24 12:38	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/11/24 12:38	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/11/24 12:38	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/11/24 12:38	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/11/24 12:38	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/11/24 12:38	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/11/24 12:38	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/11/24 12:38	1
2-Hexanone	ND		5.0	2.0	ug/L			06/11/24 12:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/11/24 12:38	1
Acetone	ND		5.0	1.5	ug/L			06/11/24 12:38	1
Benzene	ND		0.50	0.10	ug/L			06/11/24 12:38	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/11/24 12:38	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/11/24 12:38	1
Bromoform	ND		1.0	0.30	ug/L			06/11/24 12:38	1
Bromomethane	ND		0.50	0.10	ug/L			06/11/24 12:38	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/11/24 12:38	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/11/24 12:38	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/11/24 12:38	1
Chloroethane	ND		0.50	0.10	ug/L			06/11/24 12:38	1
Chloroform	ND		0.50	0.090	ug/L			06/11/24 12:38	1
Chloromethane	ND		0.50	0.10	ug/L			06/11/24 12:38	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/11/24 12:38	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/11/24 12:38	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/11/24 12:38	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/11/24 12:38	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/11/24 12:38	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/11/24 12:38	1
Styrene	ND		0.50	0.070	ug/L			06/11/24 12:38	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/11/24 12:38	1
Toluene	ND		0.50	0.080	ug/L			06/11/24 12:38	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/11/24 12:38	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/11/24 12:38	1
Trichloroethene	ND		0.50	0.080	ug/L			06/11/24 12:38	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/11/24 12:38	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/11/24 12:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*06/11/24 12:38*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*06/11/24 12:38*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*06/11/24 12:38*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/11/24 12:38*	*1*

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

Lab Sample ID: LCS 410-515924/6
Matrix: Water
Analysis Batch: 515924

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	5.00	4.67		ug/L		93	71 - 134
1,1,1-Trichloroethane	5.00	4.67		ug/L		93	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.53		ug/L		111	75 - 123
1,1,2-Trichloroethane	5.00	5.21		ug/L		104	80 - 120
1,1-Dichloroethane	5.00	5.57		ug/L		111	74 - 120
1,1-Dichloroethene	5.00	5.15		ug/L		103	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.04		ug/L		101	80 - 120
1,2-Dichloroethane	5.00	4.56		ug/L		91	69 - 122
1,2-Dichloropropane	5.00	5.79		ug/L		116	80 - 120
2-Butanone (MEK)	62.5	77.4		ug/L		124	59 - 141
2-Hexanone	62.5	85.0		ug/L		136	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	79.3		ug/L		127	55 - 140
Acetone	62.5	67.0		ug/L		107	60 - 146
Benzene	5.00	5.39		ug/L		108	80 - 120
Bromochloromethane	5.00	4.75		ug/L		95	80 - 120
Bromodichloromethane	5.00	4.99		ug/L		100	73 - 124
Bromoform	5.00	4.21		ug/L		84	49 - 144
Bromomethane	5.00	4.47		ug/L		89	60 - 136
Carbon disulfide	5.00	5.22		ug/L		104	67 - 130
Carbon tetrachloride	5.00	4.48		ug/L		90	64 - 141
Chlorobenzene	5.00	5.06		ug/L		101	80 - 120
Chloroethane	5.00	5.37		ug/L		107	63 - 120
Chloroform	5.00	4.86		ug/L		97	80 - 120
Chloromethane	5.00	5.66		ug/L		113	56 - 124
cis-1,2-Dichloroethene	5.00	4.97		ug/L		99	80 - 122
cis-1,3-Dichloropropene	5.00	5.10		ug/L		102	67 - 121
Dibromochloromethane	5.00	4.69		ug/L		94	64 - 138
Ethylbenzene	5.00	5.29		ug/L		106	80 - 120
Methyl tert-butyl ether	5.00	4.40		ug/L		88	69 - 120
Methylene Chloride	5.00	5.20		ug/L		104	80 - 120
Styrene	5.00	5.08		ug/L		102	80 - 120
Tetrachloroethene	5.00	4.61		ug/L		92	80 - 120
Toluene	5.00	5.34		ug/L		107	80 - 120
trans-1,2-Dichloroethene	5.00	4.95		ug/L		99	80 - 122
trans-1,3-Dichloropropene	5.00	5.40		ug/L		108	61 - 129
Trichloroethene	5.00	4.95		ug/L		99	80 - 120
Vinyl chloride	5.00	5.39		ug/L		108	60 - 125
Xylenes, Total	15.0	15.1		ug/L		101	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

GC/MS VOA

Analysis Batch: 515485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-174025-1	HD-COD-SW-6-0/1-0	Total/NA	Water	8260D	
410-174025-2	HD-COD-SW-7-0/1-0	Total/NA	Water	8260D	
410-174025-3	HD-COD-SW-8-0/1-0	Total/NA	Water	8260D	
410-174025-4	HD-COD-SW-9-0/1-0	Total/NA	Water	8260D	
410-174025-5	HD-COD-SW-13-0/1-0	Total/NA	Water	8260D	
410-174025-6	HD-COD-SW-15-0/1-0	Total/NA	Water	8260D	
410-174025-7	HD-COD-SW-16-0/1-0	Total/NA	Water	8260D	
410-174025-8	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-174025-8 - DL	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-174025-9	HD-COD-SW-26-0/1-0	Total/NA	Water	8260D	
410-174025-10	HD-COD-SW-27-0/1-0	Total/NA	Water	8260D	
410-174025-11	HD-COD-SW-28-0/1-0	Total/NA	Water	8260D	
410-174025-12	HD-COD-SW-29-0/1-0	Total/NA	Water	8260D	
410-174025-14	HD-QC1-0/1-2	Total/NA	Water	8260D	
MB 410-515485/6	Method Blank	Total/NA	Water	8260D	
LCS 410-515485/4	Lab Control Sample	Total/NA	Water	8260D	
410-174025-6 MS	HD-COD-SW-15-0/1-0 MS	Total/NA	Water	8260D	
410-174025-6 MSD	HD-COD-SW-15-0/1-0 MSD	Total/NA	Water	8260D	

Analysis Batch: 515924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-174025-13	HD-QC1-0/1-1	Total/NA	Water	8260D	
410-174025-13 - DL	HD-QC1-0/1-1	Total/NA	Water	8260D	
MB 410-515924/8	Method Blank	Total/NA	Water	8260D	
LCS 410-515924/6	Lab Control Sample	Total/NA	Water	8260D	

Client Sample ID: HD-COD-SW-6-0/1-0

Lab Sample ID: 410-174025-1

Date Collected: 05/30/24 10:19

Matrix: Water

Date Received: 05/31/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	515485	DVW2	ELLE	06/10/24 14:27

Client Sample ID: HD-COD-SW-7-0/1-0

Lab Sample ID: 410-174025-2

Date Collected: 05/30/24 11:07

Matrix: Water

Date Received: 05/31/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	515485	DVW2	ELLE	06/10/24 14:48

Client Sample ID: HD-COD-SW-8-0/1-0

Lab Sample ID: 410-174025-3

Date Collected: 05/30/24 09:12

Matrix: Water

Date Received: 05/31/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	515485	DVW2	ELLE	06/10/24 15:08

Client Sample ID: HD-COD-SW-9-0/1-0

Lab Sample ID: 410-174025-4

Date Collected: 05/30/24 12:34

Matrix: Water

Date Received: 05/31/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	515485	DVW2	ELLE	06/10/24 15:29

Client Sample ID: HD-COD-SW-13-0/1-0

Lab Sample ID: 410-174025-5

Date Collected: 05/30/24 09:30

Matrix: Water

Date Received: 05/31/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	515485	DVW2	ELLE	06/10/24 15:50

Client Sample ID: HD-COD-SW-15-0/1-0

Lab Sample ID: 410-174025-6

Date Collected: 05/30/24 11:30

Matrix: Water

Date Received: 05/31/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	515485	DVW2	ELLE	06/10/24 16:11

Client Sample ID: HD-COD-SW-16-0/1-0

Lab Sample ID: 410-174025-7

Date Collected: 05/30/24 09:50

Matrix: Water

Date Received: 05/31/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	515485	DVW2	ELLE	06/10/24 17:15

Client Sample ID: HD-COD-SW-17-0/1-0
Lab Sample ID: 410-174025-8

Date Collected: 05/30/24 10:00
Matrix: Water
Date Received: 05/31/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	515485	DVW2	ELLE	06/10/24 20:02
Total/NA	Analysis	8260D	DL	10	515485	DVW2	ELLE	06/10/24 20:23

Client Sample ID: HD-COD-SW-26-0/1-0
Lab Sample ID: 410-174025-9

Date Collected: 05/30/24 10:45
Matrix: Water
Date Received: 05/31/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	515485	DVW2	ELLE	06/10/24 17:36

Client Sample ID: HD-COD-SW-27-0/1-0
Lab Sample ID: 410-174025-10

Date Collected: 05/30/24 11:19
Matrix: Water
Date Received: 05/31/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	515485	DVW2	ELLE	06/10/24 17:56

Client Sample ID: HD-COD-SW-28-0/1-0
Lab Sample ID: 410-174025-11

Date Collected: 05/30/24 12:55
Matrix: Water
Date Received: 05/31/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	515485	DVW2	ELLE	06/10/24 18:17

Client Sample ID: HD-COD-SW-29-0/1-0
Lab Sample ID: 410-174025-12

Date Collected: 05/30/24 08:57
Matrix: Water
Date Received: 05/31/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	515485	DVW2	ELLE	06/10/24 18:38

Client Sample ID: HD-QC1-0/1-1
Lab Sample ID: 410-174025-13

Date Collected: 05/30/24 12:00
Matrix: Water
Date Received: 05/31/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	515924	DVW2	ELLE	06/11/24 16:43
Total/NA	Analysis	8260D	DL	10	515924	DVW2	ELLE	06/11/24 17:05

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-174025-14

Date Collected: 05/30/24 00:00
Matrix: Water
Date Received: 05/31/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	515485	DVW2	ELLE	06/10/24 12:00

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater Sciences Corporation
Job ID: 410-174025-1
Project/Site: fYNOP Monthly Surface Water

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

Method Summary

Client: Groundwater Sciences Corporation
Job ID: 410-174025-1
Project/Site: fYNOP Monthly Surface Water

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Groundwater Sciences Corporation
Job ID: 410-174025-1
Project/Site: fYNOP Monthly Surface Water

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-174025-1	HD-COD-SW-6-0/1-0	Water	05/30/24 10:19	05/31/24 15:25
410-174025-2	HD-COD-SW-7-0/1-0	Water	05/30/24 11:07	05/31/24 15:25
410-174025-3	HD-COD-SW-8-0/1-0	Water	05/30/24 09:12	05/31/24 15:25
410-174025-4	HD-COD-SW-9-0/1-0	Water	05/30/24 12:34	05/31/24 15:25
410-174025-5	HD-COD-SW-13-0/1-0	Water	05/30/24 09:30	05/31/24 15:25
410-174025-6	HD-COD-SW-15-0/1-0	Water	05/30/24 11:30	05/31/24 15:25
410-174025-7	HD-COD-SW-16-0/1-0	Water	05/30/24 09:50	05/31/24 15:25
410-174025-8	HD-COD-SW-17-0/1-0	Water	05/30/24 10:00	05/31/24 15:25
410-174025-9	HD-COD-SW-26-0/1-0	Water	05/30/24 10:45	05/31/24 15:25
410-174025-10	HD-COD-SW-27-0/1-0	Water	05/30/24 11:19	05/31/24 15:25
410-174025-11	HD-COD-SW-28-0/1-0	Water	05/30/24 12:55	05/31/24 15:25
410-174025-12	HD-COD-SW-29-0/1-0	Water	05/30/24 08:57	05/31/24 15:25
410-174025-13	HD-QC1-0/1-1	Water	05/30/24 12:00	05/31/24 15:25
410-174025-14	HD-QC1-0/1-2	Water	05/30/24 00:00	05/31/24 15:25

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Instrument ID: 16334 Analysis Batch Number: 474835

Lab Sample ID: IC 410-474835/3 Client Sample ID:

Date Analyzed: 02/19/24 23:00 Lab File ID: FEB19X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl acetate	5.88	Incomplete Integration	DVW2	02/26/24 10:33
2-Chloroethyl vinyl ether	8.99	Incomplete Integration	DVW2	02/26/24 10:33

Lab Sample ID: IC 410-474835/4 Client Sample ID:

Date Analyzed: 02/19/24 23:22 Lab File ID: FEB19X03.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxymethane	1.93	Incomplete Integration	DVW2	02/26/24 10:33
Ethyl acetate	5.89	Incomplete Integration	DVW2	02/26/24 10:33

Lab Sample ID: IC 410-474835/5 Client Sample ID:

Date Analyzed: 02/19/24 23:44 Lab File ID: FEB19X04.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl acetate	5.89	Incomplete Integration	DVW2	02/26/24 10:34

Lab Sample ID: IC 410-474835/7 Client Sample ID:

Date Analyzed: 02/20/24 00:28 Lab File ID: FEB19X06.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.71	Incomplete Integration	DVW2	02/26/24 10:35

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Instrument ID: 16334 Analysis Batch Number: 474835

Lab Sample ID: IC 410-474835/9 Client Sample ID:

Date Analyzed: 02/20/24 01:12 Lab File ID: FEB19X08.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	3.95	Incomplete Integration	DVW2	02/26/24 10:36

Lab Sample ID: IC 410-474835/13 Client Sample ID:

Date Analyzed: 02/20/24 02:41 Lab File ID: FEB19X12.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorofluoromethane	2.75	Incomplete Integration	DVW2	02/26/24 10:21
Freon 123a	3.13	Incomplete Integration	DVW2	02/26/24 10:21
trans-1,2-Dichloroethene	4.32	Incomplete Integration	DVW2	02/26/24 10:21
2-Chloro-1,3-butadiene	5.09	Incomplete Integration	DVW2	02/26/24 10:21
Methyl methacrylate	8.35	Incomplete Integration	DVW2	02/26/24 10:22
1,4-Dioxane	8.37	Incomplete Integration	DVW2	02/26/24 10:22
1,1,2,2-Tetrachloroethane	12.10	Incomplete Integration	DVW2	02/26/24 10:21

Lab Sample ID: IC 410-474835/14 Client Sample ID:

Date Analyzed: 02/20/24 03:03 Lab File ID: FEB19X13.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.37	Incomplete Integration	DVW2	02/26/24 10:23

Lab Sample ID: IC 410-474835/15 Client Sample ID:

Date Analyzed: 02/20/24 03:25 Lab File ID: FEB19X14.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	3.96	Incomplete Integration	DVW2	02/26/24 10:24
1,4-Dioxane	8.35	Incomplete Integration	DVW2	02/26/24 10:24

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Instrument ID: 16334 Analysis Batch Number: 474835

Lab Sample ID: IC 410-474835/16 Client Sample ID:

Date Analyzed: 02/20/24 03:47 Lab File ID: FEB19X15.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.35	Incomplete Integration	DVW2	02/26/24 10:26

Lab Sample ID: IC 410-474835/17 Client Sample ID:

Date Analyzed: 02/20/24 04:09 Lab File ID: FEB19X16.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.35	Incomplete Integration	DVW2	02/26/24 10:27

Lab Sample ID: ICIS 410-474835/18 Client Sample ID:

Date Analyzed: 02/20/24 04:31 Lab File ID: FEB19X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	3.96	Incomplete Integration	DVW2	02/26/24 10:17
1,4-Dioxane	8.35	Incomplete Integration	DVW2	02/26/24 10:16

Lab Sample ID: IC 410-474835/19 Client Sample ID:

Date Analyzed: 02/20/24 04:53 Lab File ID: FEB19X18.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	3.96	Incomplete Integration	DVW2	02/26/24 10:29
1,4-Dioxane	8.34	Incomplete Integration	DVW2	02/26/24 10:30

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Instrument ID: 16334 Analysis Batch Number: 474835

Lab Sample ID: ICV 410-474835/21 Client Sample ID:

Date Analyzed: 02/20/24 05:37 Lab File ID: FEB19X20.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.76	Incomplete Integration	DVW2	02/26/24 13:10
1,4-Dioxane	8.35	Incomplete Integration	DVW2	02/26/24 10:31

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Instrument ID: 16334 Analysis Batch Number: 515924

Lab Sample ID: CCVIS 410-515924/3 Client Sample ID:

Date Analyzed: 06/11/24 10:42 Lab File ID: GU11X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.36	Incomplete Integration	DVW2	06/11/24 11:08

Lab Sample ID: MB 410-515924/8 Client Sample ID:

Date Analyzed: 06/11/24 12:38 Lab File ID: GU11X07.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.61	Incomplete Integration	DVW2	06/11/24 13:08

Lab Sample ID: 410-174025-13 Client Sample ID: HD-QC1-0/1-1

Date Analyzed: 06/11/24 16:43 Lab File ID: GU11X18.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.61	Incomplete Integration	FQ4L	06/12/24 07:12
1,1-Dichloroethane	5.01	Incomplete Integration	FQ4L	06/12/24 07:13
1,1,2-Trichloroethane		Invalid Compound ID	FQ4L	06/12/24 07:13
Chloromethane		Invalid Compound ID	FQ4L	06/12/24 07:12

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Instrument ID: 19930 Analysis Batch Number: 474838

Lab Sample ID: IC 410-474838/14 Client Sample ID:

Date Analyzed: 02/20/24 04:08 Lab File ID: IF19X14.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.71	Incomplete Integration	DVW2	02/27/24 12:46
t-Butyl alcohol-d10 (IS)	3.87	Incomplete Integration	DVW2	02/27/24 12:46
Propionitrile	5.89	Incomplete Integration	DVW2	02/27/24 12:46
Methacrylonitrile	6.06	Incomplete Integration	DVW2	02/27/24 12:46
1,1,1-Trichloroethane	6.46	Incomplete Integration	DVW2	02/27/24 12:47
n-Butanol	7.85	Incomplete Integration	DVW2	02/27/24 12:47
2-Nitropropane	8.82	Incomplete Integration	DVW2	02/27/24 12:47
tert-Butylbenzene	12.52	Split Peak	UKEK	02/28/24 09:20

Lab Sample ID: IC 410-474838/15 Client Sample ID:

Date Analyzed: 02/20/24 04:29 Lab File ID: IF19X15.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.68	Incomplete Integration	DVW2	02/27/24 12:48
t-Butyl alcohol-d10 (IS)	3.87	Incomplete Integration	DVW2	02/27/24 12:48
Propionitrile	5.85	Incomplete Integration	DVW2	02/27/24 12:48
Methacrylonitrile	6.04	Incomplete Integration	DVW2	02/27/24 12:49
Tetrahydrofuran	6.14	Incomplete Integration	DVW2	02/27/24 12:49
Isobutyl alcohol	6.87	Incomplete Integration	DVW2	02/27/24 12:49
1,4-Dioxane	8.31	Incomplete Integration	DVW2	02/27/24 12:49
tert-Butylbenzene	12.52	Split Peak	UKEK	02/28/24 09:20

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Instrument ID: 19930 Analysis Batch Number: 474838

Lab Sample ID: IC 410-474838/16 Client Sample ID:

Date Analyzed: 02/20/24 04:50 Lab File ID: IF19X16.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.70	Incomplete Integration	DVW2	02/27/24 12:50
t-Butyl alcohol-d10 (IS)	3.90	Incomplete Integration	DVW2	02/27/24 12:51
Acrylonitrile	4.21	Incomplete Integration	DVW2	02/27/24 12:51
Propionitrile	5.84	Incomplete Integration	DVW2	02/27/24 12:51
Tetrahydrofuran	6.13	Incomplete Integration	DVW2	02/27/24 12:51
Isobutyl alcohol	6.88	Baseline	UKEK	02/28/24 09:17
1,4-Dioxane	8.48	Incomplete Integration	DVW2	02/27/24 12:52
tert-Butylbenzene	12.52	Split Peak	UKEK	02/28/24 09:18
n-Butylbenzene	13.08	Split Peak	UKEK	02/28/24 09:19

Lab Sample ID: IC 410-474838/17 Client Sample ID:

Date Analyzed: 02/20/24 05:11 Lab File ID: IF19X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.69	Incomplete Integration	DVW2	02/27/24 12:53
t-Butyl alcohol-d10 (IS)	3.88	Incomplete Integration	DVW2	02/27/24 12:53
Propionitrile	5.82	Incomplete Integration	DVW2	02/27/24 12:53
tert-Butylbenzene	12.52	Split Peak	UKEK	02/28/24 09:23

Lab Sample ID: IC 410-474838/18 Client Sample ID:

Date Analyzed: 02/20/24 05:32 Lab File ID: IF19X18.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.68	Incomplete Integration	DVW2	02/27/24 12:55
t-Butyl alcohol-d10 (IS)	3.88	Incomplete Integration	DVW2	02/27/24 12:55
tert-Butylbenzene	12.52	Split Peak	UKEK	02/28/24 09:23

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Instrument ID: 19930 Analysis Batch Number: 474838

Lab Sample ID: ICIS 410-474838/19 Client Sample ID:

Date Analyzed: 02/20/24 05:53 Lab File ID: IF19X19.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.67	Incomplete Integration	DVW2	02/27/24 12:39
t-Butyl alcohol-d10 (IS)	3.87	Incomplete Integration	DVW2	02/27/24 12:39
tert-Butylbenzene	12.52	Split Peak	UKEK	02/28/24 09:23

Lab Sample ID: IC 410-474838/20 Client Sample ID:

Date Analyzed: 02/20/24 06:14 Lab File ID: IF19X20.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.67	Incomplete Integration	DVW2	02/27/24 12:56
t-Butyl alcohol-d10 (IS)	3.87	Incomplete Integration	DVW2	02/27/24 12:56
tert-Butylbenzene	12.52	Split Peak	UKEK	02/28/24 09:23
1,2,3-Trichlorobenzene	14.53	Invalid Compound ID	DVW2	02/27/24 12:57

Lab Sample ID: ICV 410-474838/22 Client Sample ID:

Date Analyzed: 02/20/24 06:56 Lab File ID: IF19X22.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.67	Incomplete Integration	DVW2	02/27/24 12:58
tert-Butylbenzene	12.52	Split Peak	UKEK	02/28/24 09:24

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Instrument ID: 19930 Analysis Batch Number: 515485

Lab Sample ID: 410-174025-14 Client Sample ID: HD-QC1-0/1-2

Date Analyzed: 06/10/24 12:00 Lab File ID: copy_IU10X06.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane		Invalid Compound ID	FQ4L	06/11/24 07:39

Lab Sample ID: 410-174025-1 Client Sample ID: HD-COD-SW-6-0/1-0

Date Analyzed: 06/10/24 14:27 Lab File ID: IU10X13.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone		Invalid Compound ID	FQ4L	06/11/24 07:48

Lab Sample ID: 410-174025-2 Client Sample ID: HD-COD-SW-7-0/1-0

Date Analyzed: 06/10/24 14:48 Lab File ID: IU10X14.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone		Invalid Compound ID	FQ4L	06/11/24 07:48
Chloromethane		Invalid Compound ID	FQ4L	06/11/24 07:48

Lab Sample ID: 410-174025-3 Client Sample ID: HD-COD-SW-8-0/1-0

Date Analyzed: 06/10/24 15:08 Lab File ID: IU10X15.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1-Trichloroethane		Invalid Compound ID	FQ4L	06/11/24 07:49
Acetone		Invalid Compound ID	FQ4L	06/11/24 07:49

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Instrument ID: 19930 Analysis Batch Number: 515485

Lab Sample ID: 410-174025-4 Client Sample ID: HD-COD-SW-9-0/1-0

Date Analyzed: 06/10/24 15:29 Lab File ID: IU10X16.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.80	Incomplete Integration	FQ4L	06/11/24 07:50
Acetone		Invalid Compound ID	FQ4L	06/11/24 07:50

Lab Sample ID: 410-174025-5 Client Sample ID: HD-COD-SW-13-0/1-0

Date Analyzed: 06/10/24 15:50 Lab File ID: IU10X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1-Trichloroethane		Invalid Compound ID	FQ4L	06/11/24 07:51

Lab Sample ID: 410-174025-7 Client Sample ID: HD-COD-SW-16-0/1-0

Date Analyzed: 06/10/24 17:15 Lab File ID: IU10X21.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1-Trichloroethane		Invalid Compound ID	FQ4L	06/11/24 08:01

Lab Sample ID: 410-174025-9 Client Sample ID: HD-COD-SW-26-0/1-0

Date Analyzed: 06/10/24 17:36 Lab File ID: IU10X22.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone		Invalid Compound ID	FQ4L	06/11/24 08:05

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Instrument ID: 19930 Analysis Batch Number: 515485

Lab Sample ID: 410-174025-10 Client Sample ID: HD-COD-SW-27-0/1-0

Date Analyzed: 06/10/24 17:56 Lab File ID: IU10X23.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	7.88	Incomplete Integration	FQ4L	06/11/24 08:06
Acetone		Invalid Compound ID	FQ4L	06/11/24 08:06

Lab Sample ID: 410-174025-11 Client Sample ID: HD-COD-SW-28-0/1-0

Date Analyzed: 06/10/24 18:17 Lab File ID: IU10X24.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.58	Invalid Compound ID	FQ4L	06/11/24 08:20
Acetone		Invalid Compound ID	FQ4L	06/11/24 08:20

Lab Sample ID: 410-174025-12 Client Sample ID: HD-COD-SW-29-0/1-0

Date Analyzed: 06/10/24 18:38 Lab File ID: IU10X25.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.81	Incomplete Integration	FQ4L	06/11/24 08:21
Trichloroethene	7.88	Incomplete Integration	FQ4L	06/11/24 08:22
Acetone		Invalid Compound ID	FQ4L	06/11/24 08:21

Lab Sample ID: 410-174025-8 Client Sample ID: HD-COD-SW-17-0/1-0

Date Analyzed: 06/10/24 20:02 Lab File ID: IU10X29.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	FQ4L	06/11/24 08:32

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_29_826ISS_00054	11/21/24	05/21/24	Methanol, Lot EG095	10 mL	MSV_Cus826_IS_00757	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_Cus826_IS_00757	11/21/24		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_29_826ISS_00054	11/21/24	05/21/24	Methanol, Lot EG095	10 mL	MSV_8260_SS_01200	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.MSV_8260_SS_01200	11/21/24		Restek, Lot A0206374		(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_CCV_CYC_00008	07/15/24	01/15/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00011	8.605 mL	Cyclohexanone	6249.81 ug/mL
.MSV_VCYC_STK_00011	07/15/24	01/15/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00009	1.4526 g	Cyclohexanone	145260 ug/mL
..MSV_CYC_00009	06/30/27		Chem Service, Lot 14568900		(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_V5ACE_00033	03/09/24	02/08/24	Methanol, Lot EG095	10 mL	MSV_AcetatesV_00070	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00070	11/30/24		Restek, Lot A0197847		(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Ethyl acetate	10000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_DME_00054	03/19/24		Restek, Lot A0190883		(Purchased Reagent)		Dimethyl ether	1000 ug/mL
MSV_HP25_ISO_00009	08/14/24	02/19/24	Methanol, Lot EG095	10 mL	MSV_Cus826_IS_00657	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_Cus826_IS_00657	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP25_ISSS_00084	08/14/24	02/14/24	Methanol, Lot EG095	10 mL	MSV_8260_SS_01147	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
					MSV_Cus826_IS_00657	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_8260_SS_01147	10/31/28		Restek, Lot A0203162		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00657	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_LCS_VOC#1_00154	03/19/24	02/18/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00185	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_00185	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00182	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_00185	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane (EDB)	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_00185	04/30/26		Restek, Lot A0197573		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00182	02/28/26		Restek, Lot A0194631		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00171	07/09/24	06/09/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00200	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00207	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00188	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_00200	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_00207	04/30/26		Restek, Lot A0197573		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00188	02/28/26		Restek, Lot A0194631		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	12500 ug/mL
MSV_LL_#1_826_00117	02/25/24	02/18/24	Methanol, Lot EG095	1 mL	MSV_CCV_VOC#1_00171	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							2-Nitropropane	250 ug/mL
							3-Chloro-1-propene	50 ug/mL
							Acrylonitrile	125 ug/mL
							Benzyl chloride	50 ug/mL
							Carbon disulfide	50 ug/mL
							Cyclohexane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl acetate	50 ug/mL
							Methyl methacrylate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							n-Butanol	4375 ug/mL
							n-Heptane	50 ug/mL
							Propionitrile	1000 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
							Tetrahydrofuran	250 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
					MSV_CCV_VOC#3_00167	200 uL	Acrolein	2499.94 ug/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_V_VOA2_00227	150 uL	1,4-Dioxane	2500 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							Isobutyl alcohol	2500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methacrylonitrile	500 ug/mL
							n-Butanol	4375 ug/mL
							Propionitrile	1000 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
.MSV_CCV_VOC#1_00171	03/19/24	02/18/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00167	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00163	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
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-Methyl-2-propanol	5000 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 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
							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_00167	03/19/24		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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-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
							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

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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-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00163	03/19/24	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
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-Methyl-2-propanol	25000 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 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
							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_00167	02/25/24	02/18/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00015	0.5 mL	Acrolein	12499.7 ug/mL
					MSV_V_Ketones_00181	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_00015	02/25/24	12/27/23	Methanol, Lot EG095	10 mL	MSV_VACR_STK_00037	9.2 mL	Acrolein	124997 ug/mL
...MSV_VACR_STK_00037	02/25/24	12/27/23	Methanol, Lot EG095	10 mL	MSV_ACROLEIN_00031	1.4625 g	Acrolein	135866 ug/mL
....MSV_ACROLEIN_00031	06/30/24	Chem Service, Lot 14703000			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00181	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_V_VOA2_00227	03/19/24	02/18/24	Methanol, Lot EH471	5 mL	MSV_V#2B_00359	1 mL	1,4-Dioxane	12500 ug/mL
							2-Methyl-2-propanol	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		
							Isobutyl alcohol	12500 ug/mL
							Methacrylonitrile	2500 ug/mL
							n-Butanol	25000 ug/mL
							Propionitrile	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_V#2B_00359	05/31/25		Restek, Lot A0197599		(Purchased Reagent)		1,4-Dioxane	62500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Methacrylonitrile	12500 ug/mL
							n-Butanol	125000 ug/mL
							Propionitrile	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_LL_#1_826_00130	06/17/24	05/19/24	Methanol, Lot EH822	1 mL	MSV_CCV_VOC#1_00184	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Methylene Chloride	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Carbon disulfide	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
					MSV_CCV_VOC#3_00180	200 uL	2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
.MSV_CCV_VOC#1_00184	06/18/24	05/19/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00181	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,1-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_00178	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
..MSV_MegaMIX#1_00181	06/25/24		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
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							Benzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL

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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		
							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_00178	06/18/24		Restek, Lot A0197578		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
.MSV_CCV_VOC#3_00180	06/17/24	05/19/24	Methanol, Lot EH471	5 mL	MSV_V_Ketones_00188	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_00188	10/31/26		Restek, Lot A0203422		(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_LL_#1_826_00132	06/17/24	06/02/24	Methanol, Lot EH822	1 mL	MSV_CCV_VOC#1_00186	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Methylene Chloride	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 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		
							Carbon disulfide	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
					MSV_CCV_VOC#3_00182	200 uL	2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
.MSV_CCV_VOC#1_00186	07/02/24	06/02/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00184	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_00179	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
..MSV_MegaMIX#1_00184	07/02/24		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
							1,2-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

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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		
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Methylene Chloride	5000 ug/mL
							Styrene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00179	07/02/24		Restek, Lot A0197578		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
.MSV_CCV_VOC#3_00182	06/17/24	06/02/24	Methanol, Lot EH471	5 mL	MSV_V_Ketones_00166	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_00166	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_LL_#2_826_00127	02/28/24	02/18/24	Methanol, Lot EG095	1 mL	CCV_ETBR_00006	50 uL	Ethyl bromide	50.0122 ug/mL
					MSV_BCE_00063	25 uL	1-Bromo-2-chloroethane	50 ug/mL
					MSV_CCV_EE_00006	50 uL	Ethyl ether	50.0069 ug/mL
					MSV_V_PentaCL_00042	10 uL	Pentachloroethane	50 ug/mL
.CCV_ETBR_00006	05/12/24	11/13/23	Methanol, Lot EG095	10 mL	MSV_VETBR_STK_00015	0.139 mL	Ethyl bromide	1000.24 ug/mL
..MSV_VETBR_STK_00015	05/12/24	11/13/23	Methanol, Lot EG095	10 mL	MSV_EtBr_00008	0.7196 g	Ethyl bromide	71960 ug/mL
...MSV_EtBr_00008	06/30/25		Chem Service, Lot 13345600		(Purchased Reagent)		Ethyl bromide	1 g/g
.MSV_BCE_00063	02/28/24		Restek, Lot A0201612		(Purchased Reagent)		1-Bromo-2-chloroethane	2000 ug/mL
.MSV_CCV_EE_00006	05/07/24	11/07/23	Methanol, Lot EG095	50 mL	MSV_EE_MISCSK_00013	1.579 mL	Ethyl ether	1000.14 ug/mL
..MSV_EE_MISCSK_00013	05/07/24	11/07/23	Methanol, Lot EG095	10 mL	MSV_EE_Neat_00010	0.3167 g	Ethyl ether	31670 ug/mL
...MSV_EE_Neat_00010	05/30/27		Chem Service, Lot 14084700		(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_V_PentaCL_00042	02/28/24		Restek, Lot A0184174		(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_LL_GAS524_00161	06/11/24	06/04/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00791	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_00791	06/11/24		Restek, Lot A0197586		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	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		
MSV_LL_GAS826_00194	02/25/24	02/18/24	Methanol, Lot EG095	1 mL	MSV_CCV_GASES_00710	25 uL	1,2-Dichloro-1,1,2-trifluoroethane	50 ug/mL
							Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_00710	02/25/24		Restek, Lot A0197586		(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_LL_GAS826_00214	06/17/24	06/10/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00796	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_00796	06/17/24		Restek, Lot A0198362		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LLcentISS_00012	08/01/24	02/01/24	Methanol, Lot EG095	50 mL	MSV_8260_SS_01091	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_00663	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_01091	05/30/28		Restek, Lot A0201083		(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_00663	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_QC_Gas826_00184	02/25/24	02/18/24	Methanol, Lot EG095	1 mL	MSV_QC_2K_GAS_00201	20 uL	Bromomethane	40 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00201	02/25/24		Restek, Lot A0184924		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00201	06/16/24	06/10/24	Methanol, Lot EH822	1 mL	MSV_QC_2K_GAS_00160	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00160	06/16/24		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_00016							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
					MSV_VBFB_STK_00011	0.098 mL	BFB	50.129 ug/mL
.MSV_VBFB_STK_00011	06/05/24	12/05/23	Methanol, Lot EG095	10 mL	MSV_4BFB_NEAT_00009	1.2788 g	BFB	127880 ug/mL
..MSV_4BFB_NEAT_00009	05/31/25		Chem Service, Lot 13775500		(Purchased Reagent)		BFB	1 g/g
MSV_V_BFB_00017							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
					MSV_VBFB_STK_00012	0.09 mL	BFB	501120 ug/mL
.MSV_VBFB_STK_00012	12/02/24	06/02/24	Methanol, Lot EH471	10 mL	MSV_4BFB_NEAT_00011	13920 g	BFB	1392000000 ug/mL
..MSV_4BFB_NEAT_00011	05/31/25		Chem Service, Lot 15267000		(Purchased Reagent)		BFB	1 g/g
MSV_V_SMRV4_00067	03/19/24	02/18/24	Methanol, Lot EG095	1 mL	MSV_CCV_2CEVE_00163	200 uL	2-Chloroethyl vinyl ether	200 ug/mL
					MSV_CCV_LKB_00009	400 uL	cis-1,4-Dichloro-2-butene	400.14 ug/mL
					MSV_V_SMFreon_00045	100 uL	Chlorodifluoromethane	200 ug/mL
.MSV_CCV_2CEVE_00163	03/19/24	02/18/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00170	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00170	04/30/26		Restek, Lot A0197472		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_LKB_00009	06/19/24	12/21/23	Methanol, Lot EG095	50 mL	MSV_Vc14d_STK_00010	0.81 mL	cis-1,4-Dichloro-2-butene	1000.35 ug/mL
..MSV_Vc14d_STK_00010	06/19/24	12/19/23	Methanol, Lot EG095	10 mL	MSV_c14dcb_Nt_00004	0.65 g	cis-1,4-Dichloro-2-butene	61750 ug/mL
...MSV_c14dcb_Nt_00004	08/16/27		Aldrich, Lot SHBH4584V		(Purchased Reagent)		cis-1,4-Dichloro-2-butene	0.95 g/g
.MSV_V_SMFreon_00045	03/19/24		Restek, Lot A0184508		(Purchased Reagent)		Chlorodifluoromethane	2000 ug/mL

Reagent

MSV_8260_SS_01200

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 30240 **Lot No.:** A0203162

Description : 8260A Surrogate Mix

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

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

Expiration Date : October 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,510.0 µg/mL	+/- 141.0009
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,518.2 µg/mL	+/- 141.4616
3	Toluene-d8	2037-26-5	PR-33397	99%	2,523.4 µg/mL	+/- 141.7537
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,508.7 µg/mL	+/- 140.9301

* 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.)

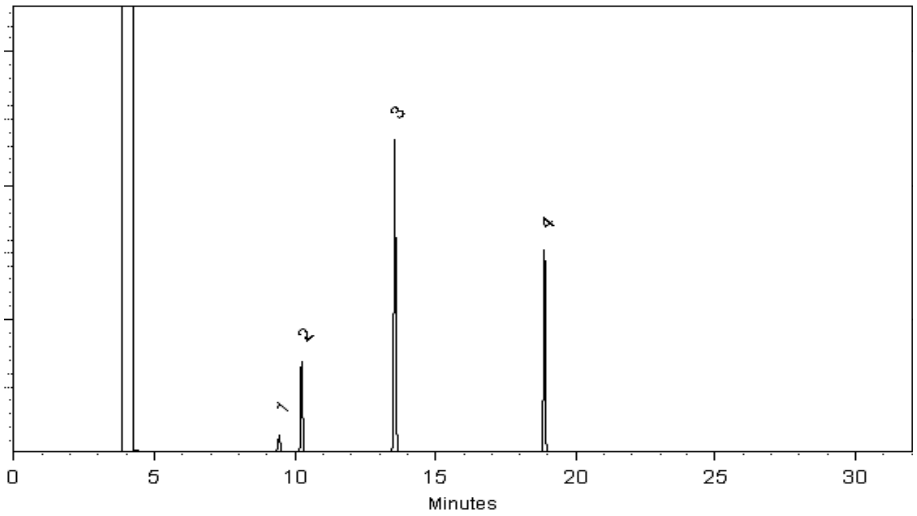
Inj. Temp:
200°C

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.

Peter Robbins - Operations Technician I

Date Mixed: 13-Oct-2023 **Balance Serial #** 1128342314

Dillan Murphy - Operations Technician I

Date Passed: 19-Oct-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_BCE_00063

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 30469 **Lot No.:** A0201612

Description : 1-Bromo-2-chloroethane Standard

1-Bromo-2-Chloroethane Std, 2000µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : August 31, 2028 **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-Bromo-2-chloroethane	107-04-0	BCCC1146	99%	2,004.0 µg/mL	+/- 112.6024

* 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.)

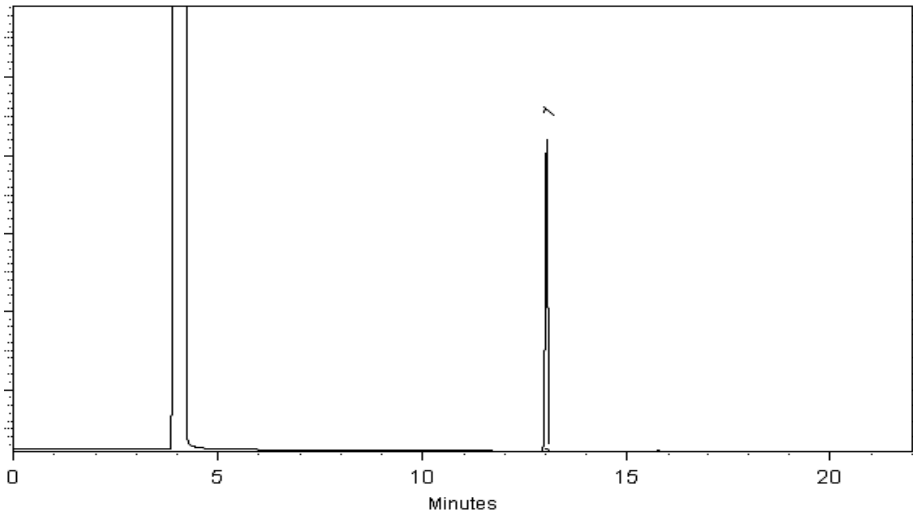
Inj. Temp:
200°C

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.

Morgan Craighead - Mix Technician

Date Mixed: 31-Aug-2023 **Balance Serial #** 1128342314

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Sep-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_c14dcb_Nt_00004

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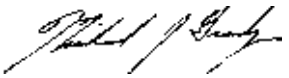
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

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

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

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



Michael Grady, Manager
Quality Control
Sheboygan Falls, WI US

Reagent

MSV_CCV_GASES_00710

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488 **Lot No.:** A0197586

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, 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	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,004.0 µg/mL	+/- 113.0947
2	Chloromethane (methyl chloride)	74-87-3	SHBM9611	99%	2,003.1 µg/mL	+/- 113.1749
3	Vinyl chloride	75-01-4	00015559	99%	2,001.3 µg/mL	+/- 112.7805
4	1,3-Butadiene	106-99-0	00015314	99%	2,002.1 µg/mL	+/- 112.9024
5	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,002.9 µg/mL	+/- 113.0693
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.9 µg/mL	+/- 112.6811
7	Dichlorofluoromethane (CFC-21)	75-43-4	14150400	90%	2,001.6 µg/mL	+/- 112.4412
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	Q9B-64	99%	1,998.5 µg/mL	+/- 112.6823

* 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.

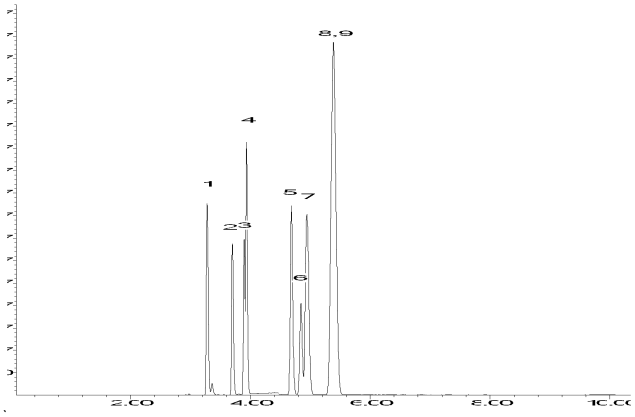
Inj. Temp:
200°C

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: 01-May-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-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_CCV_GASES_00791

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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. : 577488 **Lot No.:** A0197586

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, 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	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,004.0 µg/mL	+/- 113.0947
2	Chloromethane (methyl chloride)	74-87-3	SHBM9611	99%	2,003.1 µg/mL	+/- 113.1749
3	Vinyl chloride	75-01-4	00015559	99%	2,001.3 µg/mL	+/- 112.7805
4	1,3-Butadiene	106-99-0	00015314	99%	2,002.1 µg/mL	+/- 112.9024
5	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,002.9 µg/mL	+/- 113.0693
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.9 µg/mL	+/- 112.6811
7	Dichlorofluoromethane (CFC-21)	75-43-4	14150400	90%	2,001.6 µg/mL	+/- 112.4412
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	Q9B-64	99%	1,998.5 µg/mL	+/- 112.6823

* 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.

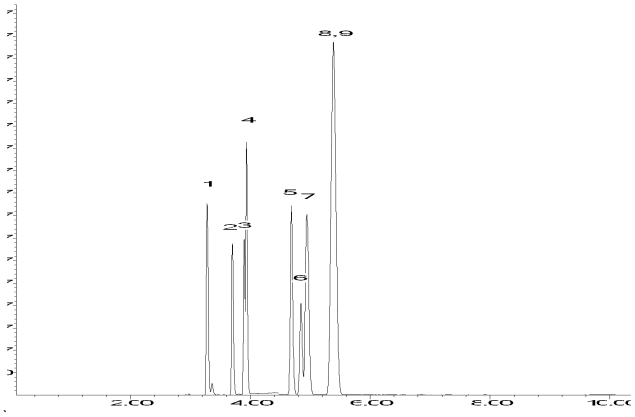
Inj. Temp:
200°C

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: 01-May-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-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_Cus826_IS_00757

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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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.)

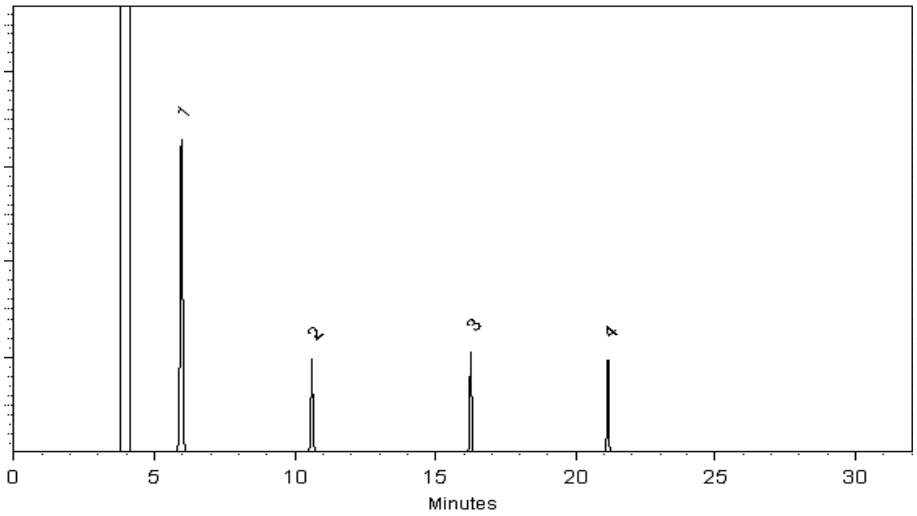
Inj. Temp:
200°C

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_DME_00054

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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. : 564156 **Lot No.:** A0190883

Description : Custom Dimethyl Ether Standard

Custom Dimethyl Ether Standard 1,000µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : October 31, 2024 **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	Methyl ether (dimethyl ether)	1,000.4 µg/mL	+/- 8.2332 µg/mL	Gravimetric
	CAS # 115-10-6 (Lot 00021629)		+/- 22.1970 µg/mL	Unstressed
	Purity 98%		+/- 22.7984 µg/mL	Stressed

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

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

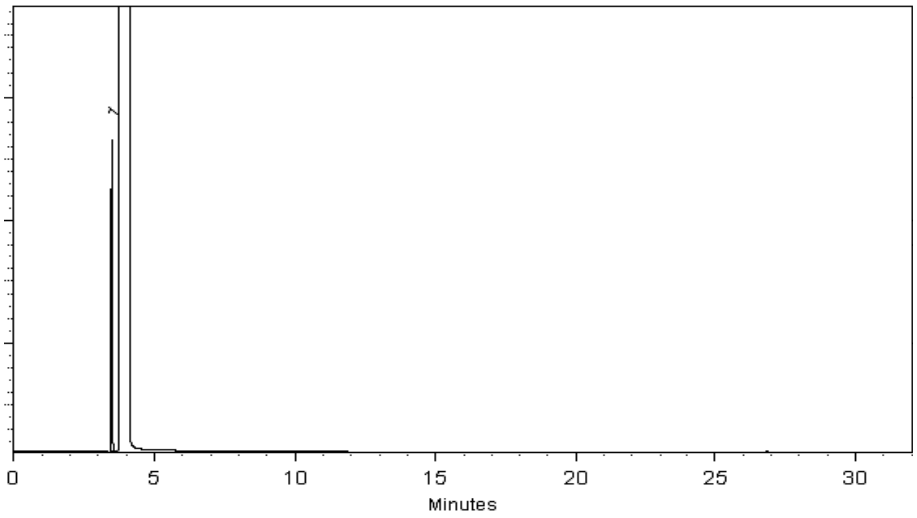
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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



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.

Cathleen Soltis - Mix Technician

Date Mixed: 24-Oct-2022 **Balance:** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 01-Nov-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_M_MIX1SEC_00200

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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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.)

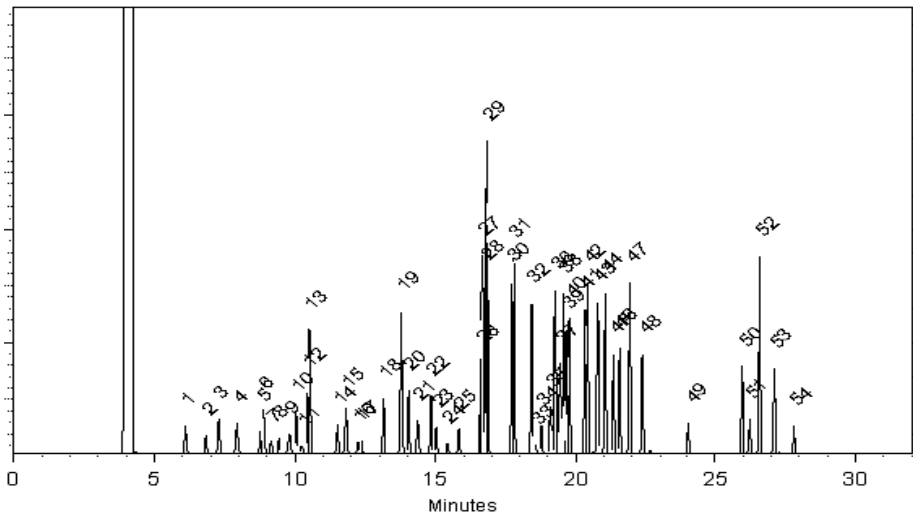
Inj. Temp:
200°C

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_00207

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.)

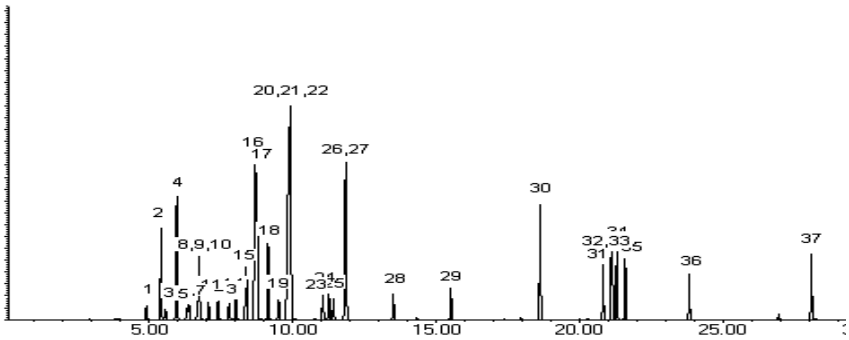
Inj. Temp:
200°C

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_00167

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.)

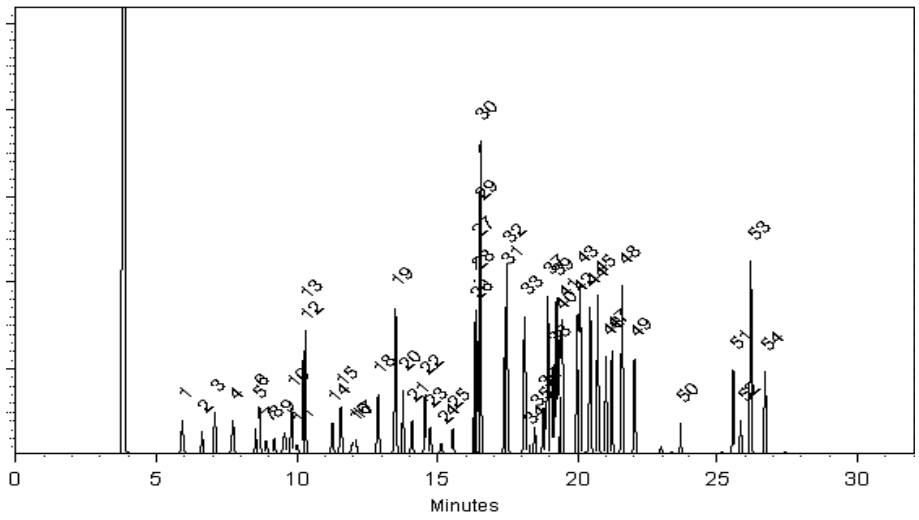
Inj. Temp:
200°C

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_00181

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.)

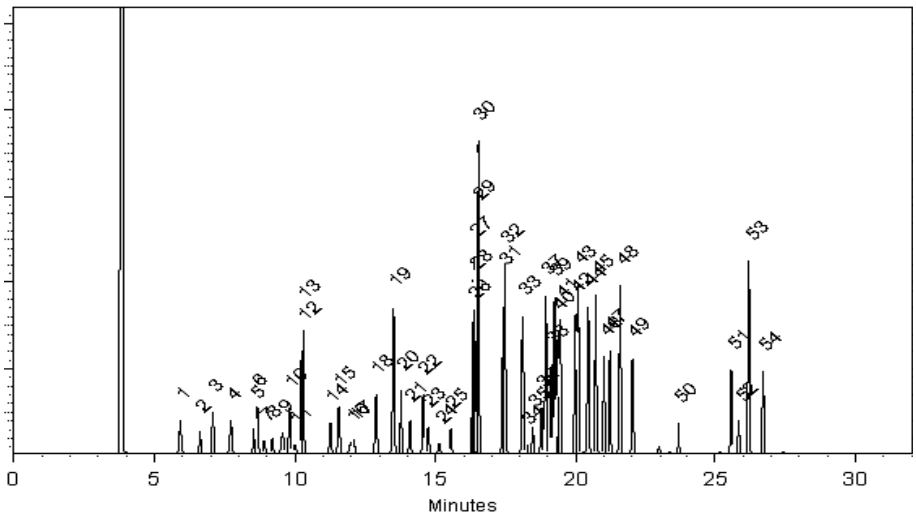
Inj. Temp:
200°C

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_00184

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.)

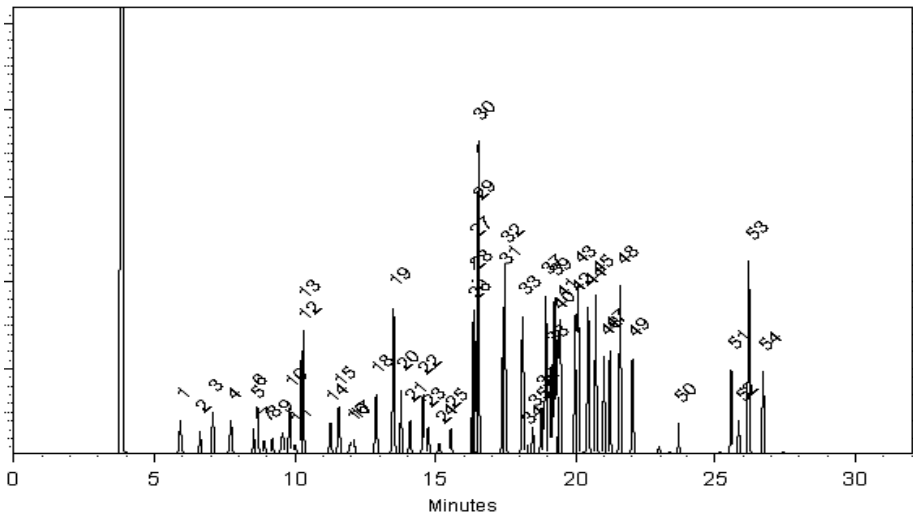
Inj. Temp:
200°C

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#2_00163

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.)

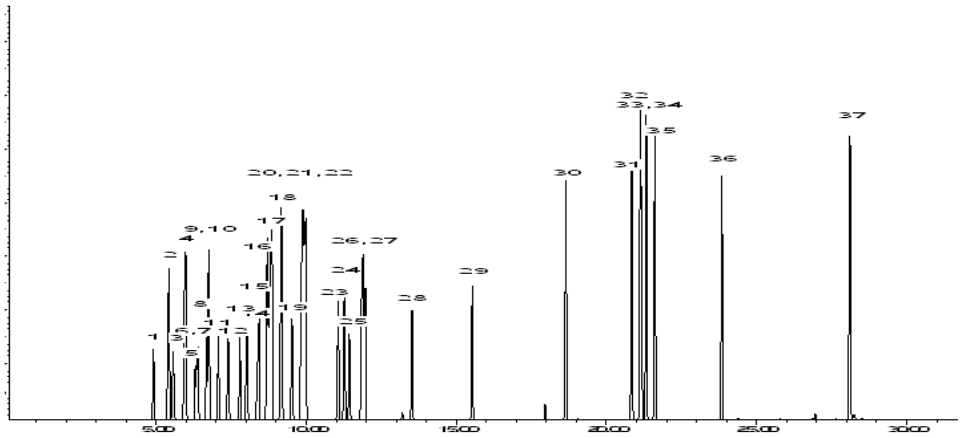
Inj. Temp:
200°C

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_00178

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.)

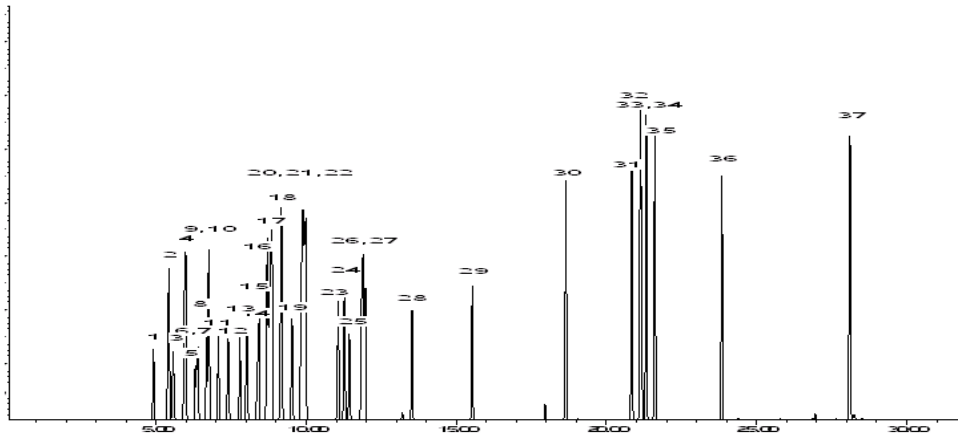
Inj. Temp:
200°C

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_00179

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.)

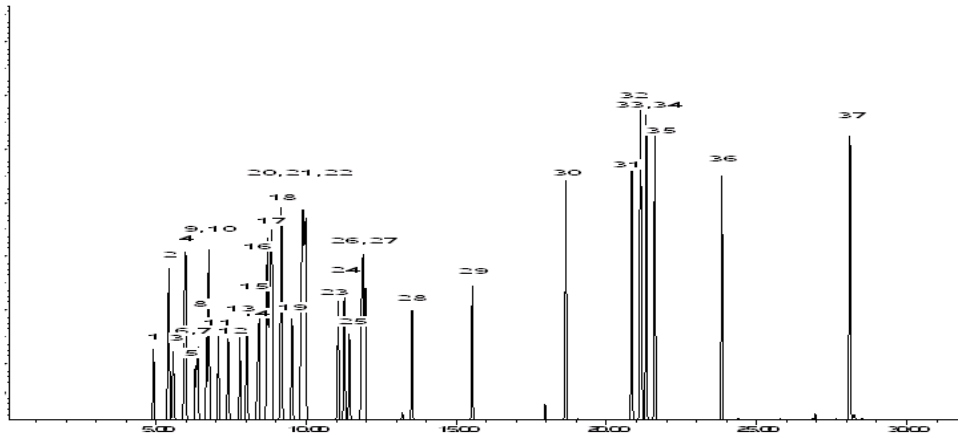
Inj. Temp:
200°C

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_Q_Ketones_00188

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. : 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.)

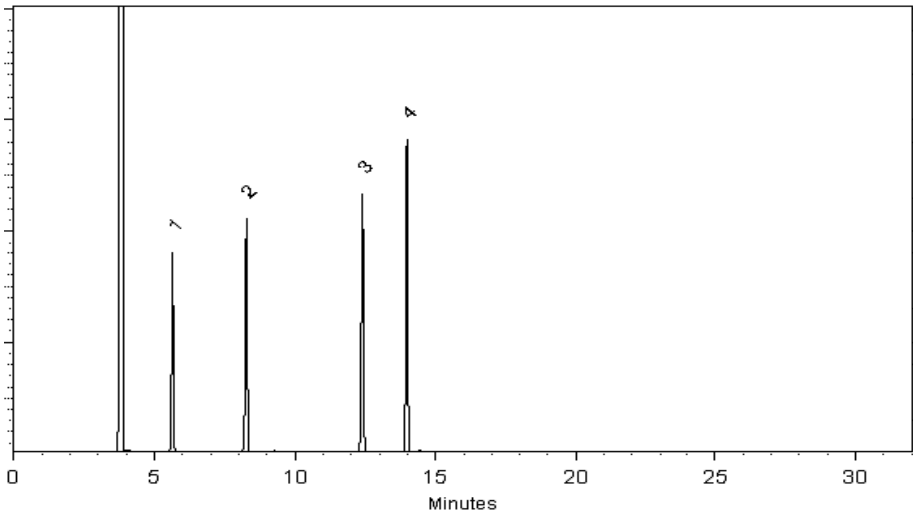
Inj. Temp:
200°C

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_QC_2K_GAS_00160

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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)

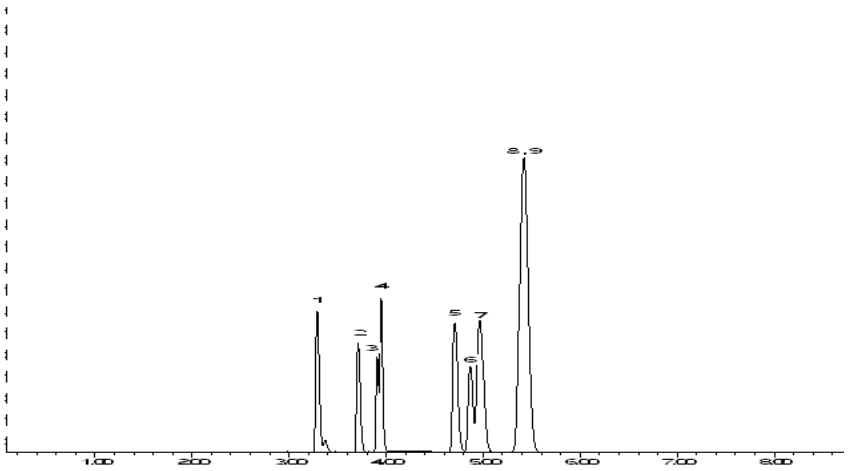
Carrier Gas:
helium-constant flow 2.0 mL/min.

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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)

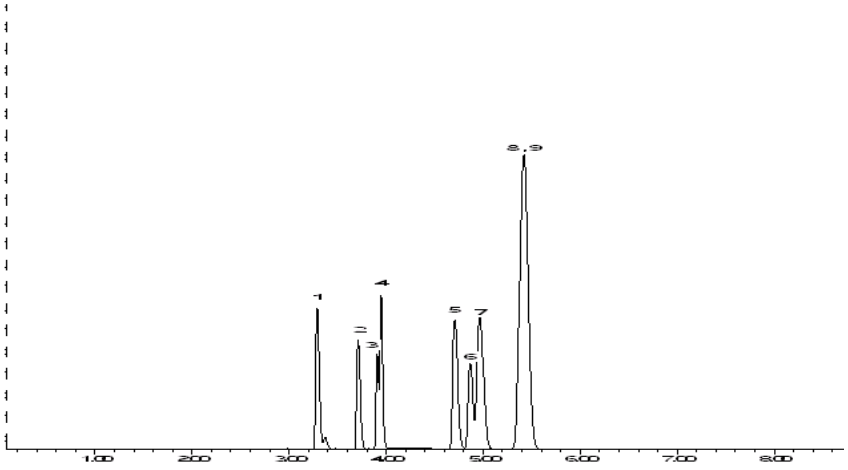
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

MSV_V_Ketones_00166

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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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 **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.)

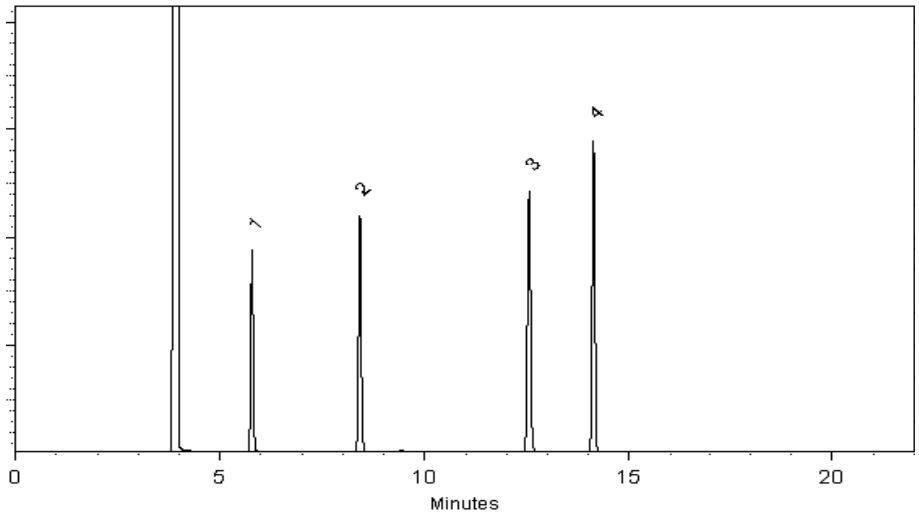
Inj. Temp:
200°C

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_00188

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Bellefonte, PA 16823-8812
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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. : 569721 **Lot No.:** A0203422

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	27D1062005	99%	12,507.0 µg/mL	+/- 432.2709
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,507.0 µg/mL	+/- 432.2709
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,507.0 µg/mL	+/- 432.2709
4	2-Hexanone	591-78-6	MKCQ6663	99%	12,506.0 µg/mL	+/- 432.2364

* 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.)

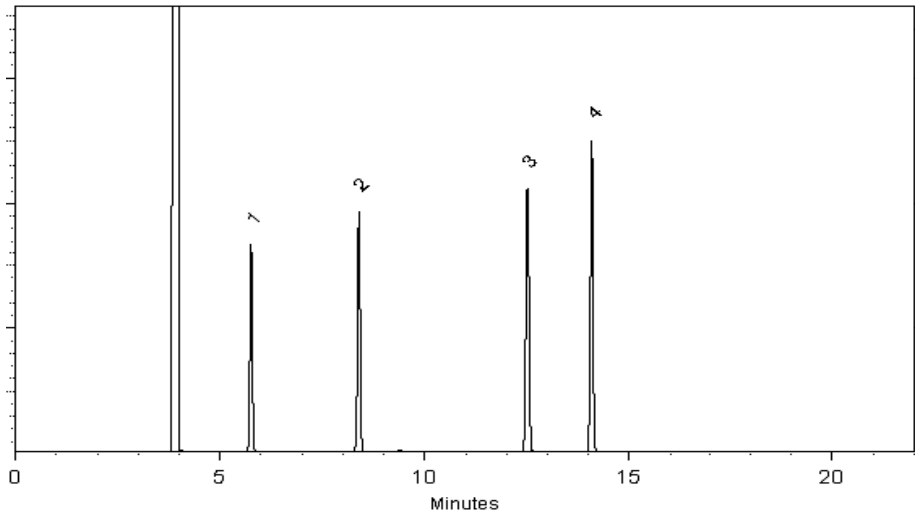
Inj. Temp:
200°C

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.

Laith Clemente - Operations Technician I

Date Mixed: 20-Oct-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Oct-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_PentaCL_00042

RESTEK®
110 Benner Circle
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Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

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. : 577491 **Lot No.:** A0184174

Description : Custom Pentachloroethane Standard

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

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

Expiration Date : April 30, 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	Pentachloroethane	5,022.0 µg/mL	+/- 29.4719 µg/mL	Gravimetric
	CAS # 76-01-7 (Lot 10518800)		+/- 281.6071 µg/mL	Unstressed
	Purity 99%		+/- 288.1950 µg/mL	Stressed

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

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

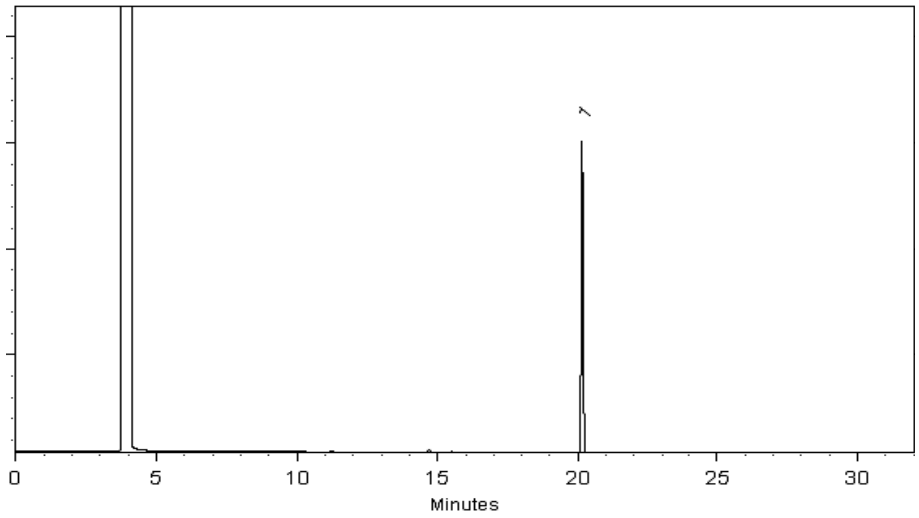
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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



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: 15-Apr-2022 **Balance:** B707717271

Christie Mills - Operations Technician II

Date Passed: 20-Apr-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_SMFreon_00045

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

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. : 577490 **Lot No.:** A0184508

Description : Custom SM Freons Standard

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

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

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Chlorotrifluoroethylene	2,000.6 µg/mL	+/- 37.3988 µg/mL	Gravimetric
	CAS # 79-38-9 (Lot 202600)		+/- 117.6695 µg/mL	Unstressed
	Purity 99%		+/- 120.1742 µg/mL	Stressed
2	Chlorodifluoromethane (CFC-22)	2,004.5 µg/mL	+/- 79.7514 µg/mL	Gravimetric
	CAS # 75-45-6 (Lot Q162-44)		+/- 137.3187 µg/mL	Unstressed
	Purity 99%		+/- 139.4793 µg/mL	Stressed
3	2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	2,000.3 µg/mL	+/- 53.9352 µg/mL	Gravimetric
	CAS # 75-88-7 (Lot Q157-146)		+/- 123.9040 µg/mL	Unstressed
	Purity 99%		+/- 126.2843 µg/mL	Stressed

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

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

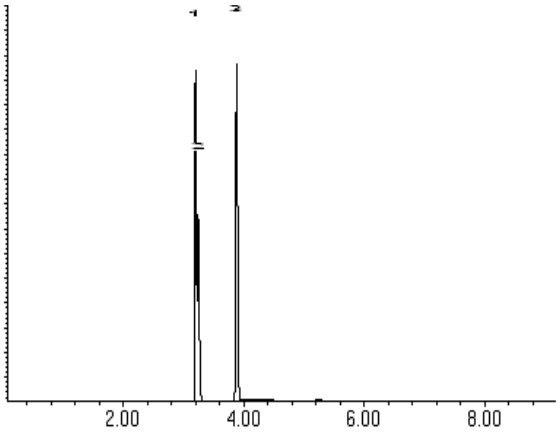
Carrier Gas:
helium-constant flow 2.0 mL/min.

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.

Cathleen Soltis - Mix Technician

Date Mixed: 25-Apr-2022 **Balance:** B707717271

Christie Mills - Operations Technician II

Date Passed: 02-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.
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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.

Method 8260D Low Level

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

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-COD-SW-6-0/1-0	410-174025-1	107	101	97	95
HD-COD-SW-7-0/1-0	410-174025-2	110	105	98	95
HD-COD-SW-8-0/1-0	410-174025-3	108	107	97	96
HD-COD-SW-9-0/1-0	410-174025-4	108	103	96	94
HD-COD-SW-13-0/1-0	410-174025-5	108	105	97	98
HD-COD-SW-15-0/1-0	410-174025-6	107	104	96	95
HD-COD-SW-16-0/1-0	410-174025-7	107	100	98	97
HD-COD-SW-17-0/1-0	410-174025-8	107	105	96	96
HD-COD-SW-17-0/1-0 DL	410-174025-8 DL	110	104	96	95
HD-COD-SW-26-0/1-0	410-174025-9	108	103	97	97
HD-COD-SW-27-0/1-0	410-174025-10	109	105	97	97
HD-COD-SW-28-0/1-0	410-174025-11	110	103	96	93
HD-COD-SW-29-0/1-0	410-174025-12	109	104	98	97
HD-QC1-0/1-1	410-174025-13	95	97	102	95
HD-QC1-0/1-1 DL	410-174025-13 DL	95	98	102	95
HD-QC1-0/1-2	410-174025-14	106	104	97	97
	MB 410-515485/6	108	104	96	96
	MB 410-515924/8	95	97	103	97
	LCS 410-515485/4	105	106	98	100
	LCS 410-515924/6	93	96	106	102
HD-COD-SW-15-0/1-0 MS MS	410-174025-6 MS	105	103	99	102
HD-COD-SW-15-0/1-0 MSD MSD	410-174025-6 MSD	105	100	99	101

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

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Matrix: Water Level: Low Lab File ID: IU10X03.D

Lab ID: LCS 410-515485/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.84	97	71-134	
1,1,1-Trichloroethane	5.00	4.94	99	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.79	96	75-123	
1,1,2-Trichloroethane	5.00	4.74	95	80-120	
1,1-Dichloroethane	5.00	4.61	92	74-120	
1,1-Dichloroethene	5.00	4.81	96	80-131	
1,2-Dibromoethane (EDB)	5.00	4.77	95	80-120	
1,2-Dichloroethane	5.00	4.96	99	69-122	
1,2-Dichloropropane	5.00	4.65	93	80-120	
2-Butanone (MEK)	62.5	61.0	98	59-141	
2-Hexanone	62.5	60.2	96	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	60.7	97	55-140	
Acetone	62.5	58.1	93	60-146	
Benzene	5.00	4.64	93	80-120	
Bromochloromethane	5.00	5.25	105	80-120	
Bromodichloromethane	5.00	4.96	99	73-124	
Bromoform	5.00	4.92	98	49-144	
Bromomethane	5.00	4.85	97	60-136	
Carbon disulfide	5.00	4.31	86	67-130	
Carbon tetrachloride	5.00	5.22	104	64-141	
Chlorobenzene	5.00	4.78	96	80-120	
Chloroethane	5.00	4.82	96	63-120	
Chloroform	5.00	4.77	95	80-120	
Chloromethane	5.00	4.23	85	56-124	
cis-1,2-Dichloroethene	5.00	4.74	95	80-122	
cis-1,3-Dichloropropene	5.00	4.42	88	67-121	
Dibromochloromethane	5.00	4.99	100	64-138	
Ethylbenzene	5.00	4.56	91	80-120	
Methyl tert-butyl ether	5.00	4.18	84	69-120	
Methylene Chloride	5.00	4.80	96	80-120	
Styrene	5.00	4.73	95	80-120	
Tetrachloroethene	5.00	4.64	93	80-120	
Toluene	5.00	4.60	92	80-120	
trans-1,2-Dichloroethene	5.00	4.77	95	80-122	
trans-1,3-Dichloropropene	5.00	4.52	90	61-129	
Trichloroethene	5.00	4.68	94	80-120	
Vinyl chloride	5.00	4.62	92	60-125	
Xylenes, Total	15.0	14.1	94	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Matrix: Water Level: Low Lab File ID: GU11X05.D

Lab ID: LCS 410-515924/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.67	93	71-134	
1,1,1-Trichloroethane	5.00	4.67	93	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.53	111	75-123	
1,1,2-Trichloroethane	5.00	5.21	104	80-120	
1,1-Dichloroethane	5.00	5.57	111	74-120	
1,1-Dichloroethene	5.00	5.15	103	80-131	
1,2-Dibromoethane (EDB)	5.00	5.04	101	80-120	
1,2-Dichloroethane	5.00	4.56	91	69-122	
1,2-Dichloropropane	5.00	5.79	116	80-120	
2-Butanone (MEK)	62.5	77.4	124	59-141	
2-Hexanone	62.5	85.0	136	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	79.3	127	55-140	
Acetone	62.5	67.0	107	60-146	
Benzene	5.00	5.39	108	80-120	
Bromochloromethane	5.00	4.75	95	80-120	
Bromodichloromethane	5.00	4.99	100	73-124	
Bromoform	5.00	4.21	84	49-144	
Bromomethane	5.00	4.47	89	60-136	
Carbon disulfide	5.00	5.22	104	67-130	
Carbon tetrachloride	5.00	4.48	90	64-141	
Chlorobenzene	5.00	5.06	101	80-120	
Chloroethane	5.00	5.37	107	63-120	
Chloroform	5.00	4.86	97	80-120	
Chloromethane	5.00	5.66	113	56-124	
cis-1,2-Dichloroethene	5.00	4.97	99	80-122	
cis-1,3-Dichloropropene	5.00	5.10	102	67-121	
Dibromochloromethane	5.00	4.69	94	64-138	
Ethylbenzene	5.00	5.29	106	80-120	
Methyl tert-butyl ether	5.00	4.40	88	69-120	
Methylene Chloride	5.00	5.20	104	80-120	
Styrene	5.00	5.08	102	80-120	
Tetrachloroethene	5.00	4.61	92	80-120	
Toluene	5.00	5.34	107	80-120	
trans-1,2-Dichloroethene	5.00	4.95	99	80-122	
trans-1,3-Dichloropropene	5.00	5.40	108	61-129	
Trichloroethene	5.00	4.95	99	80-120	
Vinyl chloride	5.00	5.39	108	60-125	
Xylenes, Total	15.0	15.1	101	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Matrix: Water Level: Low Lab File ID: IU10X19.D

Lab ID: 410-174025-6 MS Client ID: HD-COD-SW-15-0/1-0 MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	ND	4.57	91	71-134	
1,1,1-Trichloroethane	5.00	0.21 J	5.13	98	78-126	
1,1,2,2-Tetrachloroethane	5.00	ND	4.09	82	75-123	
1,1,2-Trichloroethane	5.00	ND	4.39	88	80-120	
1,1-Dichloroethane	5.00	ND	4.59	92	74-120	
1,1-Dichloroethene	5.00	0.12 J	4.94	96	80-131	
1,2-Dibromoethane (EDB)	5.00	ND	4.31	86	80-120	
1,2-Dichloroethane	5.00	ND	4.60	92	69-122	
1,2-Dichloropropane	5.00	ND	4.39	88	80-120	
2-Butanone (MEK)	62.6	ND	54.4	87	59-141	
2-Hexanone	62.6	ND	52.0	83	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	ND	54.3	87	55-140	
Acetone	62.6	ND	51.7	83	60-146	
Benzene	5.00	ND	4.47	89	80-120	
Bromochloromethane	5.00	ND	4.86	97	80-120	
Bromodichloromethane	5.00	ND	4.64	93	73-124	
Bromoform	5.00	ND	4.32	86	49-144	
Bromomethane	5.00	ND	4.75	95	60-136	
Carbon disulfide	5.00	ND	4.30	86	67-130	
Carbon tetrachloride	5.00	ND	5.16	103	64-141	
Chlorobenzene	5.00	ND	4.61	92	80-120	
Chloroethane	5.00	ND	4.64	93	63-120	
Chloroform	5.00	0.19 J	4.65	89	80-120	
Chloromethane	5.00	ND	4.12	82	80-120	
cis-1,2-Dichloroethene	5.00	0.66	5.27	92	80-122	
cis-1,3-Dichloropropene	5.00	ND	4.02	80	67-121	
Dibromochloromethane	5.00	ND	4.56	91	64-138	
Ethylbenzene	5.00	ND	4.43	88	80-120	
Methyl tert-butyl ether	5.00	ND	3.84	77	69-120	
Methylene Chloride	5.00	ND	4.56	91	80-120	
Styrene	5.00	ND	4.39	88	80-120	
Tetrachloroethene	5.00	4.4	9.09	93	80-120	
Toluene	5.00	ND	4.46	89	80-120	
trans-1,2-Dichloroethene	5.00	ND	4.60	92	80-122	
trans-1,3-Dichloropropene	5.00	ND	4.14	83	61-129	
Trichloroethene	5.00	0.87	5.45	91	80-120	
Vinyl chloride	5.00	ND	4.66	93	60-125	
Xylenes, Total	15.0	ND	13.5	90	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Matrix: Water Level: Low Lab File ID: IU10X20.D

Lab ID: 410-174025-6 MSD Client ID: HD-COD-SW-15-0/1-0 MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.51	90	1	30	71-134	
1,1,1-Trichloroethane	5.00	5.06	97	1	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	3.97	79	3	30	75-123	
1,1,2-Trichloroethane	5.00	4.29	86	2	30	80-120	
1,1-Dichloroethane	5.00	4.55	91	1	30	74-120	
1,1-Dichloroethene	5.00	4.93	96	0	30	80-131	
1,2-Dibromoethane (EDB)	5.00	4.32	86	0	30	80-120	
1,2-Dichloroethane	5.00	4.35	87	5	30	69-122	
1,2-Dichloropropane	5.00	4.41	88	0	30	80-120	
2-Butanone (MEK)	62.6	56.8	91	4	30	59-141	
2-Hexanone	62.6	54.6	87	5	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	56.5	90	4	30	55-140	
Acetone	62.6	52.1	83	1	30	60-146	
Benzene	5.00	4.42	88	1	30	80-120	
Bromochloromethane	5.00	4.77	95	2	30	80-120	
Bromodichloromethane	5.00	4.50	90	3	30	73-124	
Bromoform	5.00	4.18	83	3	30	49-144	
Bromomethane	5.00	4.79	96	1	30	60-136	
Carbon disulfide	5.00	4.23	85	2	30	67-130	
Carbon tetrachloride	5.00	5.11	102	1	30	64-141	
Chlorobenzene	5.00	4.48	89	3	30	80-120	
Chloroethane	5.00	4.79	96	3	30	63-120	
Chloroform	5.00	4.61	88	1	30	80-120	
Chloromethane	5.00	4.20	84	2	30	80-120	
cis-1,2-Dichloroethene	5.00	5.24	92	1	30	80-122	
cis-1,3-Dichloropropene	5.00	4.01	80	0	30	67-121	
Dibromochloromethane	5.00	4.41	88	3	30	64-138	
Ethylbenzene	5.00	4.35	87	2	30	80-120	
Methyl tert-butyl ether	5.00	3.79	76	1	30	69-120	
Methylene Chloride	5.00	4.48	90	2	30	80-120	
Styrene	5.00	4.24	85	3	30	80-120	
Tetrachloroethene	5.00	8.82	88	3	30	80-120	
Toluene	5.00	4.38	88	2	30	80-120	
trans-1,2-Dichloroethene	5.00	4.59	92	0	30	80-122	
trans-1,3-Dichloropropene	5.00	4.00	80	4	30	61-129	
Trichloroethene	5.00	5.30	89	3	30	80-120	
Vinyl chloride	5.00	4.69	94	1	30	60-125	
Xylenes, Total	15.0	13.3	88	2	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.: 410-174025-1

SDG No.:

Lab File ID: IU10X05.D Lab Sample ID: MB 410-515485/6

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

Instrument ID: 19930 Date Analyzed: 06/10/2024 11:39

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 410-515485/4	IU10X03.D	06/10/2024 10:57
HD-QC1-0/1-2	410-174025-14	copy_IU10X06.D	06/10/2024 12:00
HD-COD-SW-6-0/1-0	410-174025-1	IU10X13.D	06/10/2024 14:27
HD-COD-SW-7-0/1-0	410-174025-2	IU10X14.D	06/10/2024 14:48
HD-COD-SW-8-0/1-0	410-174025-3	IU10X15.D	06/10/2024 15:08
HD-COD-SW-9-0/1-0	410-174025-4	IU10X16.D	06/10/2024 15:29
HD-COD-SW-13-0/1-0	410-174025-5	IU10X17.D	06/10/2024 15:50
HD-COD-SW-15-0/1-0	410-174025-6	IU10X18.D	06/10/2024 16:11
HD-COD-SW-15-0/1-0 MS MS	410-174025-6 MS	IU10X19.D	06/10/2024 16:33
HD-COD-SW-15-0/1-0 MSD MSD	410-174025-6 MSD	IU10X20.D	06/10/2024 16:54
HD-COD-SW-16-0/1-0	410-174025-7	IU10X21.D	06/10/2024 17:15
HD-COD-SW-26-0/1-0	410-174025-9	IU10X22.D	06/10/2024 17:36
HD-COD-SW-27-0/1-0	410-174025-10	IU10X23.D	06/10/2024 17:56
HD-COD-SW-28-0/1-0	410-174025-11	IU10X24.D	06/10/2024 18:17
HD-COD-SW-29-0/1-0	410-174025-12	IU10X25.D	06/10/2024 18:38
HD-COD-SW-17-0/1-0	410-174025-8	IU10X29.D	06/10/2024 20:02
HD-COD-SW-17-0/1-0 DL	410-174025-8 DL	IU10X30.D	06/10/2024 20:23

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Lab File ID: GU11X07.D Lab Sample ID: MB 410-515924/8

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

Instrument ID: 16334 Date Analyzed: 06/11/2024 12:38

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 410-515924/6	GU11X05.D	06/11/2024 11:49
HD-QC1-0/1-1	410-174025-13	GU11X18.D	06/11/2024 16:43
HD-QC1-0/1-1 DL	410-174025-13 DL	GU11X19.D	06/11/2024 17:05

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Lab File ID: FEB19T01.D BFB Injection Date: 02/19/2024

Instrument ID: 16334 BFB Injection Time: 22:20

Analysis Batch No.: 474835

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.4	
75	30.0 - 60.0 % of mass 95	50.5	
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	0.0	(0.0) 1
174	Greater than 50% of mass 95	88.3	
175	5.0 - 9.0 % of mass 174	6.9	(7.8) 1
176	95.0 - 101.0 % of mass 174	86.5	(98.0) 1
177	5.0 - 9.0 % of mass 176	5.7	(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
	IC 410-474835/3	FEB19X02.D	02/19/2024	23:00
	IC 410-474835/4	FEB19X03.D	02/19/2024	23:22
	IC 410-474835/5	FEB19X04.D	02/19/2024	23:44
	IC 410-474835/6	FEB19X05.D	02/20/2024	0:06
	IC 410-474835/7	FEB19X06.D	02/20/2024	0:28
	IC 410-474835/8	FEB19X07.D	02/20/2024	0:50
	IC 410-474835/9	FEB19X08.D	02/20/2024	1:12
	IC 410-474835/13	FEB19X12.D	02/20/2024	2:41
	IC 410-474835/14	FEB19X13.D	02/20/2024	3:03
	IC 410-474835/15	FEB19X14.D	02/20/2024	3:25
	IC 410-474835/16	FEB19X15.D	02/20/2024	3:47
	IC 410-474835/17	FEB19X16.D	02/20/2024	4:09
	ICIS 410-474835/18	FEB19X17.D	02/20/2024	4:31
	IC 410-474835/19	FEB19X18.D	02/20/2024	4:53
	ICV 410-474835/21	FEB19X20.D	02/20/2024	5:37

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Lab File ID: GU11T01.D BFB Injection Date: 06/11/2024

Instrument ID: 16334 BFB Injection Time: 10:07

Analysis Batch No.: 515924

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.8	
75	30.0 - 60.0 % of mass 95	47.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	78.1	
175	5.0 - 9.0 % of mass 174	5.7	(7.3) 1
176	95.0 - 101.0 % of mass 174	76.4	(97.8) 1
177	5.0 - 9.0 % of mass 176	4.5	(5.9) 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 410-515924/3	GU11X02.D	06/11/2024	10:42
	LCS 410-515924/6	GU11X05.D	06/11/2024	11:49
	MB 410-515924/8	GU11X07.D	06/11/2024	12:38
HD-QC1-0/1-1	410-174025-13	GU11X18.D	06/11/2024	16:43
HD-QC1-0/1-1 DL	410-174025-13 DL	GU11X19.D	06/11/2024	17:05

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Lab File ID: IF19T01.D BFB Injection Date: 02/19/2024

Instrument ID: 19930 BFB Injection Time: 22:22

Analysis Batch No.: 474838

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.6	
75	30.0 - 60.0 % of mass 95	46.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	1.1	(1.2) 1
174	Greater than 50% of mass 95	92.6	
175	5.0 - 9.0 % of mass 174	7.0	(7.6) 1
176	95.0 - 101.0 % of mass 174	89.7	(96.9) 1
177	5.0 - 9.0 % of mass 176	6.0	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-474838/14	IF19X14.D	02/20/2024	4:08
	IC 410-474838/15	IF19X15.D	02/20/2024	4:29
	IC 410-474838/16	IF19X16.D	02/20/2024	4:50
	IC 410-474838/17	IF19X17.D	02/20/2024	5:11
	IC 410-474838/18	IF19X18.D	02/20/2024	5:32
	ICIS 410-474838/19	IF19X19.D	02/20/2024	5:53
	IC 410-474838/20	IF19X20.D	02/20/2024	6:14
	ICV 410-474838/22	IF19X22.D	02/20/2024	6:56

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Lab File ID: IU10T01.D BFB Injection Date: 06/10/2024

Instrument ID: 19930 BFB Injection Time: 10:01

Analysis Batch No.: 515485

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.6	
75	30.0 - 60.0 % of mass 95	46.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	1.1	(1.3) 1
174	Greater than 50% of mass 95	89.4	
175	5.0 - 9.0 % of mass 174	6.8	(7.6) 1
176	95.0 - 101.0 % of mass 174	86.0	(96.2) 1
177	5.0 - 9.0 % of mass 176	5.6	(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 410-515485/3	IU10X02.D	06/10/2024	10:36
	LCS 410-515485/4	IU10X03.D	06/10/2024	10:57
	MB 410-515485/6	IU10X05.D	06/10/2024	11:39
HD-QC1-0/1-2	410-174025-14	copy_IU10X06.D	06/10/2024	12:00
HD-COD-SW-6-0/1-0	410-174025-1	IU10X13.D	06/10/2024	14:27
HD-COD-SW-7-0/1-0	410-174025-2	IU10X14.D	06/10/2024	14:48
HD-COD-SW-8-0/1-0	410-174025-3	IU10X15.D	06/10/2024	15:08
HD-COD-SW-9-0/1-0	410-174025-4	IU10X16.D	06/10/2024	15:29
HD-COD-SW-13-0/1-0	410-174025-5	IU10X17.D	06/10/2024	15:50
HD-COD-SW-15-0/1-0	410-174025-6	IU10X18.D	06/10/2024	16:11
HD-COD-SW-15-0/1-0 MS MS	410-174025-6 MS	IU10X19.D	06/10/2024	16:33
HD-COD-SW-15-0/1-0 MSD MSD	410-174025-6 MSD	IU10X20.D	06/10/2024	16:54
HD-COD-SW-16-0/1-0	410-174025-7	IU10X21.D	06/10/2024	17:15
HD-COD-SW-26-0/1-0	410-174025-9	IU10X22.D	06/10/2024	17:36
HD-COD-SW-27-0/1-0	410-174025-10	IU10X23.D	06/10/2024	17:56
HD-COD-SW-28-0/1-0	410-174025-11	IU10X24.D	06/10/2024	18:17
HD-COD-SW-29-0/1-0	410-174025-12	IU10X25.D	06/10/2024	18:38
HD-COD-SW-17-0/1-0	410-174025-8	IU10X29.D	06/10/2024	20:02
HD-COD-SW-17-0/1-0 DL	410-174025-8 DL	IU10X30.D	06/10/2024	20:23

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Sample No.: ICIS 410-474835/18 Date Analyzed: 02/20/2024 04:31

Instrument ID: 16334 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): FEB19X17.D Heated Purge: (Y/N) N

Calibration ID: 59046

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		106160	3.96	2265991	7.43	1705757	10.98
UPPER LIMIT		212320	4.46	4531982	7.93	3411514	11.48
LOWER LIMIT		53080	3.46	1132996	6.93	852879	10.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-474835/21		101854	3.96	2258924	7.43	1693124	10.98
CCVIS 410-515924/3		104160	3.98	2377628	7.44	1772672	10.96

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.: 410-174025-1

SDG No.:

Sample No.: ICIS 410-474835/18 Date Analyzed: 02/20/2024 04:31

Instrument ID: 16334 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): FEB19X17.D Heated Purge: (Y/N) N

Calibration ID: 59046

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		981254	12.88				
UPPER LIMIT		1962508	13.38				
LOWER LIMIT		490627	12.38				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-474835/21		971483	12.88				
CCVIS 410-515924/3		947446	12.85				

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.: 410-174025-1

SDG No.:

Sample No.: CCVIS 410-515924/3 Date Analyzed: 06/11/2024 10:42

Instrument ID: 16334 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): GU11X02.D Heated Purge: (Y/N) N

Calibration ID: 59046

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		104160	3.98	2377628	7.44	1772672	10.96
UPPER LIMIT		208320	4.48	4755256	7.94	3545344	11.46
LOWER LIMIT		52080	3.48	1188814	6.94	886336	10.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-515924/6		96688	3.98	2466935	7.43	1756714	10.96
MB 410-515924/8		98699	3.97	2460368	7.42	1783105	10.96
410-174025-13	HD-QC1-0/1-1	82120	3.98	1968844	7.43	1427763	10.96
410-174025-13 DL	HD-QC1-0/1-1 DL	95135	3.98	2250524	7.43	1637801	10.96

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.: 410-174025-1

SDG No.:

Sample No.: CCVIS 410-515924/3 Date Analyzed: 06/11/2024 10:42

Instrument ID: 16334 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): GU11X02.D Heated Purge: (Y/N) N

Calibration ID: 59046

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		947446	12.85				
UPPER LIMIT		1894892	13.35				
LOWER LIMIT		473723	12.35				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-515924/6		912429	12.85				
MB 410-515924/8		828033	12.85				
410-174025-13	HD-QC1-0/1-1	651337	12.85				
410-174025-13 DL	HD-QC1-0/1-1 DL	769632	12.85				

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

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Sample No.: ICIS 410-474838/19 Date Analyzed: 02/20/2024 05:53

Instrument ID: 19930 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): IF19X19.D Heated Purge: (Y/N) N

Calibration ID: 59068

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		136115	3.87	1568285	7.36	1203165	10.93
UPPER LIMIT		272230	4.37	3136570	7.86	2406330	11.43
LOWER LIMIT		68058	3.37	784143	6.86	601583	10.43
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-474838/22		156772	3.88	1526755	7.37	1151550	10.93
CCVIS 410-515485/3		106993	3.90	1118432	7.38	883552	10.91

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.: 410-174025-1

SDG No.:

Sample No.: ICIS 410-474838/19 Date Analyzed: 02/20/2024 05:53

Instrument ID: 19930 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): IF19X19.D Heated Purge: (Y/N) N

Calibration ID: 59068

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		691129	12.84				
UPPER LIMIT		1382258	13.34				
LOWER LIMIT		345565	12.34				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-474838/22		665255	12.84				
CCVIS 410-515485/3		536904	12.80				

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.: 410-174025-1

SDG No.:

Sample No.: CCVIS 410-515485/3 Date Analyzed: 06/10/2024 10:36

Instrument ID: 19930 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): IU10X02.D Heated Purge: (Y/N) N

Calibration ID: 59450

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		106993	3.90	1118432	7.38	883552	10.91
UPPER LIMIT		213986	4.40	2236864	7.88	1767104	11.41
LOWER LIMIT		53497	3.40	559216	6.88	441776	10.41
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-515485/4		124442	3.94	1351581	7.38	1078912	10.91
MB 410-515485/6		74642	3.93	1096019	7.38	874931	10.91
410-174025-14	HD-QC1-0/1-2	85413	3.92	1097157	7.38	872594	10.91
410-174025-1	HD-COD-SW-6-0/1-0	81210	3.92	1004293	7.38	794770	10.91
410-174025-2	HD-COD-SW-7-0/1-0	74415	3.96	951360	7.38	763589	10.91
410-174025-3	HD-COD-SW-8-0/1-0	89402	3.95	1044955	7.38	831609	10.91
410-174025-4	HD-COD-SW-9-0/1-0	79733	3.92	1057935	7.38	850788	10.91
410-174025-5	HD-COD-SW-13-0/1-0	93605	3.94	1049600	7.39	827204	10.91
410-174025-6	HD-COD-SW-15-0/1-0	87213	3.93	1078899	7.38	855425	10.91
410-174025-6 MS	HD-COD-SW-15-0/1-0 MS MS	99950	3.92	1134796	7.38	891484	10.91
410-174025-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	97894	3.93	1198654	7.38	948173	10.91
410-174025-7	HD-COD-SW-16-0/1-0	83606	3.93	1090052	7.39	856148	10.91
410-174025-9	HD-COD-SW-26-0/1-0	67133	3.93	1055297	7.39	834958	10.91
410-174025-10	HD-COD-SW-27-0/1-0	69333	3.95	1024116	7.38	817391	10.91
410-174025-11	HD-COD-SW-28-0/1-0	64459	3.96	920339	7.38	744982	10.91
410-174025-12	HD-COD-SW-29-0/1-0	85408	3.93	1025958	7.39	809816	10.91
410-174025-8	HD-COD-SW-17-0/1-0	88278	3.93	1045086	7.38	844765	10.91
410-174025-8 DL	HD-COD-SW-17-0/1-0 DL	84519	3.93	1040939	7.38	843871	10.91

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.: 410-174025-1

SDG No.:

Sample No.: CCVIS 410-515485/3 Date Analyzed: 06/10/2024 10:36

Instrument ID: 19930 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): IU10X02.D Heated Purge: (Y/N) N

Calibration ID: 59450

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		536904	12.80				
UPPER LIMIT		1073808	13.30				
LOWER LIMIT		268452	12.30				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-515485/4		643326	12.80				
MB 410-515485/6		506644	12.80				
410-174025-14	HD-QC1-0/1-2	501712	12.80				
410-174025-1	HD-COD-SW-6-0/1-0	467331	12.80				
410-174025-2	HD-COD-SW-7-0/1-0	446919	12.80				
410-174025-3	HD-COD-SW-8-0/1-0	482800	12.80				
410-174025-4	HD-COD-SW-9-0/1-0	485317	12.80				
410-174025-5	HD-COD-SW-13-0/1-0	477102	12.80				
410-174025-6	HD-COD-SW-15-0/1-0	499487	12.80				
410-174025-6 MS	HD-COD-SW-15-0/1-0 MS MS	553247	12.80				
410-174025-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	576043	12.80				
410-174025-7	HD-COD-SW-16-0/1-0	502012	12.80				
410-174025-9	HD-COD-SW-26-0/1-0	477317	12.80				
410-174025-10	HD-COD-SW-27-0/1-0	479307	12.80				
410-174025-11	HD-COD-SW-28-0/1-0	426756	12.80				
410-174025-12	HD-COD-SW-29-0/1-0	481528	12.80				
410-174025-8	HD-COD-SW-17-0/1-0	490427	12.80				
410-174025-8 DL	HD-COD-SW-17-0/1-0 DL	495371	12.80				

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

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

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-6-0/1-0 Lab Sample ID: 410-174025-1

Matrix: Water Lab File ID: IU10X13.D

Analysis Method: 8260D Date Collected: 05/30/2024 10:19

Sample wt/vol: 25(mL) Date Analyzed: 06/10/2024 14:27

Soil Aliquot Vol: Dilution Factor: 1

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

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-6-0/1-0
Lab Sample ID: 410-174025-1

Matrix: Water
Lab File ID: IU10X13.D

Analysis Method: 8260D
Date Collected: 05/30/2024 10:19

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 14:27

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	ND		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	107		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X13.D
Lims ID: 410-174025-A-1
Client ID: HD-COD-SW-6-0/1-0
Sample Type: Client
Inject. Date: 10-Jun-2024 14:27:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-015
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 07:48:39 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 07:48:39

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	4 Chloromethane	50		2.001				ND	
	5 Vinyl chloride	62		2.111				ND	
	7 Bromomethane	94		2.416				ND	
	8 Chloroethane	64		2.489				ND	
	15 1,1-Dichloroethene	96		3.276				ND	
	16 Acetone	43		3.306				ND	U
	20 Carbon disulfide	76		3.556				ND	
	25 Methylene Chloride	84		3.891				ND	
*	26 t-Butyl alcohol-d10 (IS)	65	3.922	3.903	0.019	22	81210	50.0	
	29 Methyl tert-butyl ether	73		4.263				ND	
	30 trans-1,2-Dichloroethene	96		4.281				ND	
	32 1,1-Dichloroethane	63		4.940				ND	
	38 2-Butanone (MEK)	43		5.757				ND	
	39 cis-1,2-Dichloroethene	96		5.775				ND	
	46 Chlorobromomethane	128		6.116				ND	
	48 Chloroform	83		6.269				ND	7
$	49 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	93	258477	10.7	
	50 1,1,1-Trichloroethane	97		6.488				ND	
	54 Carbon tetrachloride	117		6.714				ND	
$	56 1,2-Dichloroethane-d4 (Surr)	102	6.952	6.933	0.019	63	50442	10.1	
	57 Benzene	78		6.970				ND	
	58 1,2-Dichloroethane	62		7.043				ND	
*	61 Fluorobenzene (IS)	96	7.384	7.378	0.006	99	1004293	10.0	
	64 Trichloroethene	95		7.860				ND	
	66 1,2-Dichloropropane	63		8.189				ND	
	71 Dichlorobromomethane	83		8.537				ND	
	76 cis-1,3-Dichloropropene	75		9.098				ND	
	77 4-Methyl-2-pentanone (MIBK)	43		9.280				ND	
$	78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1009437	9.66	
	79 Toluene	92	9.518	9.500	0.018	84	2787	0.0330	
	97 trans-1,3-Dichloropropene	75		9.774				ND	
	100 1,1,2-Trichloroethane	97		9.982				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166		10.067				ND	
103 2-Hexanone	43		10.201				ND	
105 Chlorodibromomethane	129		10.366				ND	
106 Ethylene Dibromide	107		10.475				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	794770	10.0	
109 Chlorobenzene	112		10.939				ND	
111 1,1,1,2-Tetrachloroethane	131		11.024				ND	
112 Ethylbenzene	91		11.030				ND	
113 m-Xylene & p-Xylene	106		11.146				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	95	367849	9.54	
121 1,1,2,2-Tetrachloroethane	83		12.024				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	93	467331	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

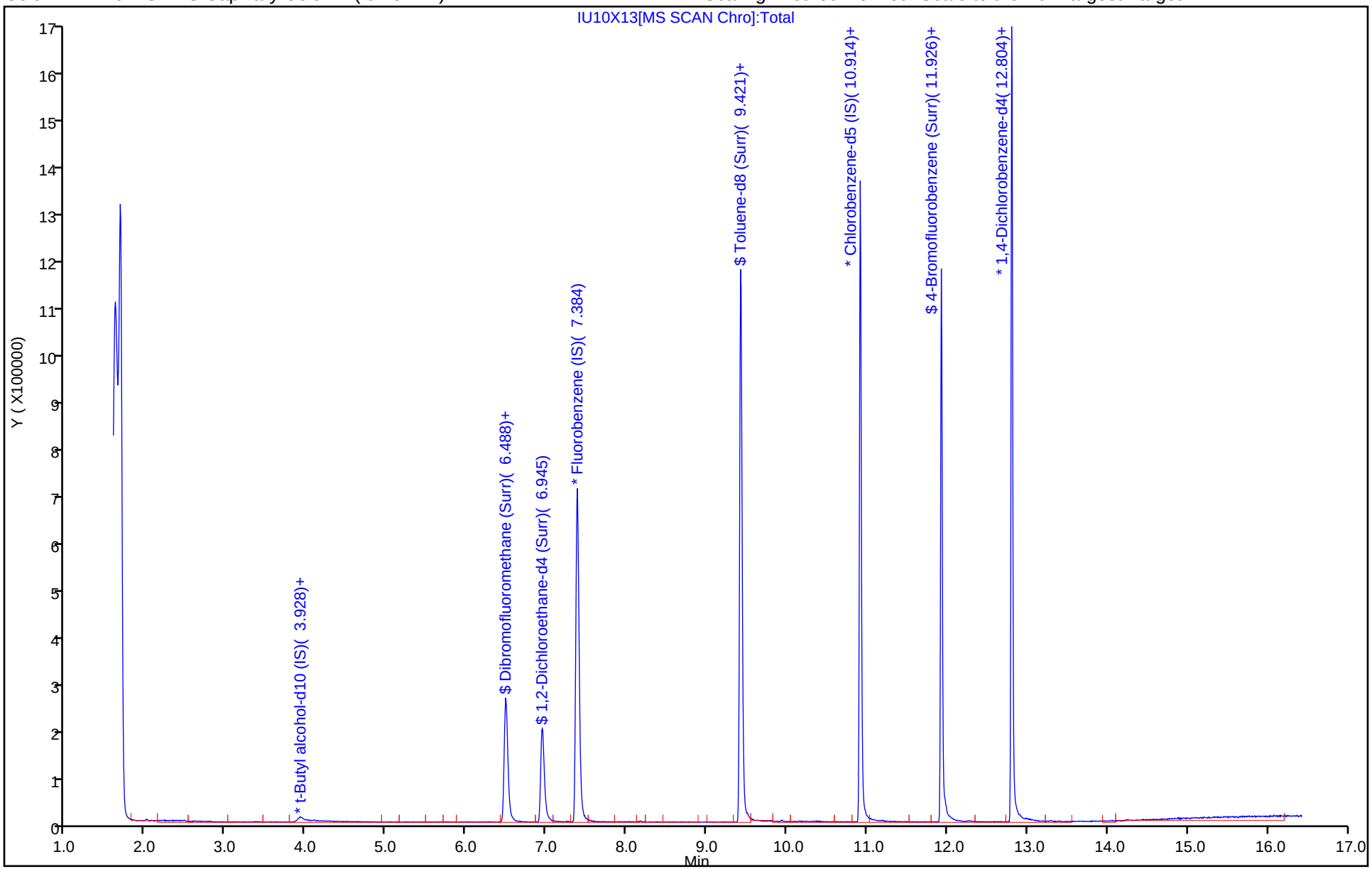
MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 11-Jun-2024 07:48:39 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X13.D				
Injection Date:	10-Jun-2024 14:27:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	410-174025-A-1	Lab Sample ID:	410-174025-1	Worklist Smp#:	14
Client ID:	HD-COD-SW-6-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X13.D				
Lims ID:	410-174025-A-1				
Client ID:	HD-COD-SW-6-0/1-0				
Sample Type:	Client				
Inject. Date:	10-Jun-2024 14:27:30	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0116210-015				
Operator ID:	knk41612	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	11-Jun-2024 07:48:39	Calib Date:	29-Feb-2024 01:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1691				

First Level Reviewer: FQ4L Date: 11-Jun-2024 07:48:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.7	106.96
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	101.14
$ 78 Toluene-d8 (Surr)	10.0	9.66	96.64
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.54	95.41

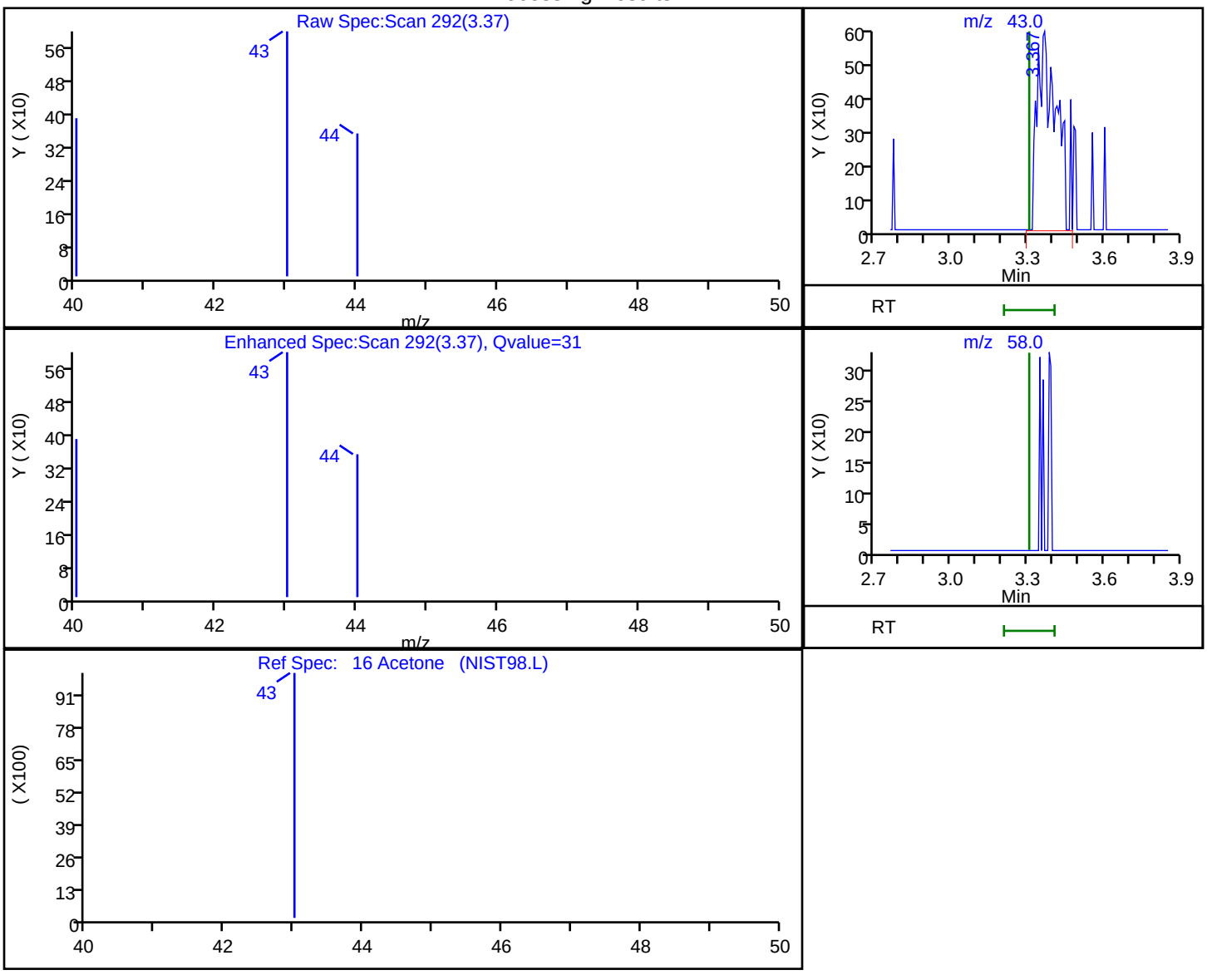
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X13.D				
Injection Date:	10-Jun-2024 14:27:30	Instrument ID:	19930		
Lims ID:	410-174025-A-1	Lab Sample ID:	410-174025-1		
Client ID:	HD-COD-SW-6-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.37	43.00	3162	0.850146
3.31	58.00	0	

Reviewer: FQ4L, 11-Jun-2024 07:48:15 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.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-7-0/1-0
Lab Sample ID: 410-174025-2

Matrix: Water
Lab File ID: IU10X14.D

Analysis Method: 8260D
Date Collected: 05/30/2024 11:07

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 14:48

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-7-0/1-0
Lab Sample ID: 410-174025-2

Matrix: Water
Lab File ID: IU10X14.D

Analysis Method: 8260D
Date Collected: 05/30/2024 11:07

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 14:48

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.11	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	110		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\19930\20240610-116210.b\IU10X14.D
Lims ID: 410-174025-A-2
Client ID: HD-COD-SW-7-0/1-0
Sample Type: Client
Inject. Date: 10-Jun-2024 14:48:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-015
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 07:49:22 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 07:49:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.001				ND	U
5 Vinyl chloride	62		2.111				ND	
7 Bromomethane	94		2.416				ND	
8 Chloroethane	64		2.489				ND	
15 1,1-Dichloroethene	96		3.276				ND	
16 Acetone	43		3.306				ND	U
20 Carbon disulfide	76		3.556				ND	7
25 Methylene Chloride	84		3.891				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.958	3.903	0.055	24	74415	50.0	
29 Methyl tert-butyl ether	73		4.263				ND	
30 trans-1,2-Dichloroethene	96		4.281				ND	
32 1,1-Dichloroethane	63		4.940				ND	
38 2-Butanone (MEK)	43		5.757				ND	
39 cis-1,2-Dichloroethene	96		5.775				ND	
46 Chlorobromomethane	128		6.116				ND	
48 Chloroform	83	6.281	6.269	0.012	85	4009	0.0774	
$ 49 Dibromofluoromethane (Surr)	113	6.494	6.482	0.012	94	251961	11.0	
50 1,1,1-Trichloroethane	97		6.488				ND	
54 Carbon tetrachloride	117		6.714				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.952	6.933	0.019	62	49505	10.5	
57 Benzene	78		6.970				ND	
58 1,2-Dichloroethane	62		7.043				ND	
* 61 Fluorobenzene (IS)	96	7.384	7.378	0.006	99	951360	10.0	
64 Trichloroethene	95	7.897	7.860	0.037	90	3529	0.1136	
66 1,2-Dichloropropane	63		8.189				ND	
71 Dichlorobromomethane	83		8.537				ND	
76 cis-1,3-Dichloropropene	75		9.098				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.280				ND	
$ 78 Toluene-d8 (Surr)	98	9.427	9.421	0.006	93	981722	9.78	
79 Toluene	92		9.500				ND	7
97 trans-1,3-Dichloropropene	75		9.774				ND	
100 1,1,2-Trichloroethane	97		9.982				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.085	10.067	0.018	86	2060	0.0528	
103 2-Hexanone	43		10.201				ND	
105 Chlorodibromomethane	129		10.366				ND	
106 Ethylene Dibromide	107		10.475				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	763589	10.0	
109 Chlorobenzene	112		10.939				ND	
111 1,1,1,2-Tetrachloroethane	131		11.024				ND	
112 Ethylbenzene	91		11.030				ND	
113 m-Xylene & p-Xylene	106		11.146				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	95	351839	9.50	
121 1,1,2,2-Tetrachloroethane	83		12.024				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	94	446919	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

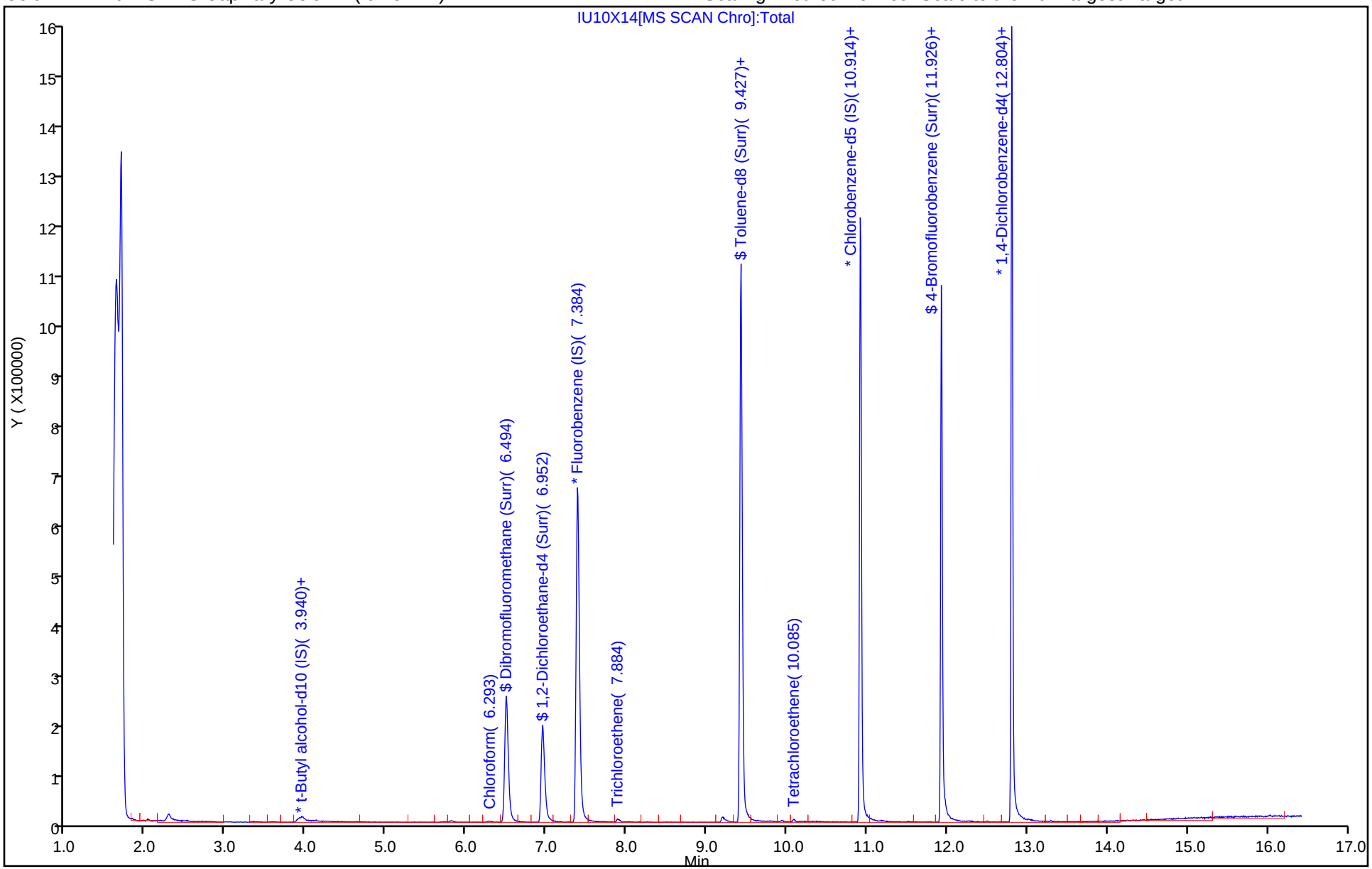
MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 11-Jun-2024 07:49:23 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X14.D				
Injection Date:	10-Jun-2024 14:48:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	410-174025-A-2	Lab Sample ID:	410-174025-2	Worklist Smp#:	15
Client ID:	HD-COD-SW-7-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X14.D				
Lims ID:	410-174025-A-2				
Client ID:	HD-COD-SW-7-0/1-0				
Sample Type:	Client				
Inject. Date:	10-Jun-2024 14:48:30	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0116210-015				
Operator ID:	knk41612	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	11-Jun-2024 07:49:22	Calib Date:	29-Feb-2024 01:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1691				

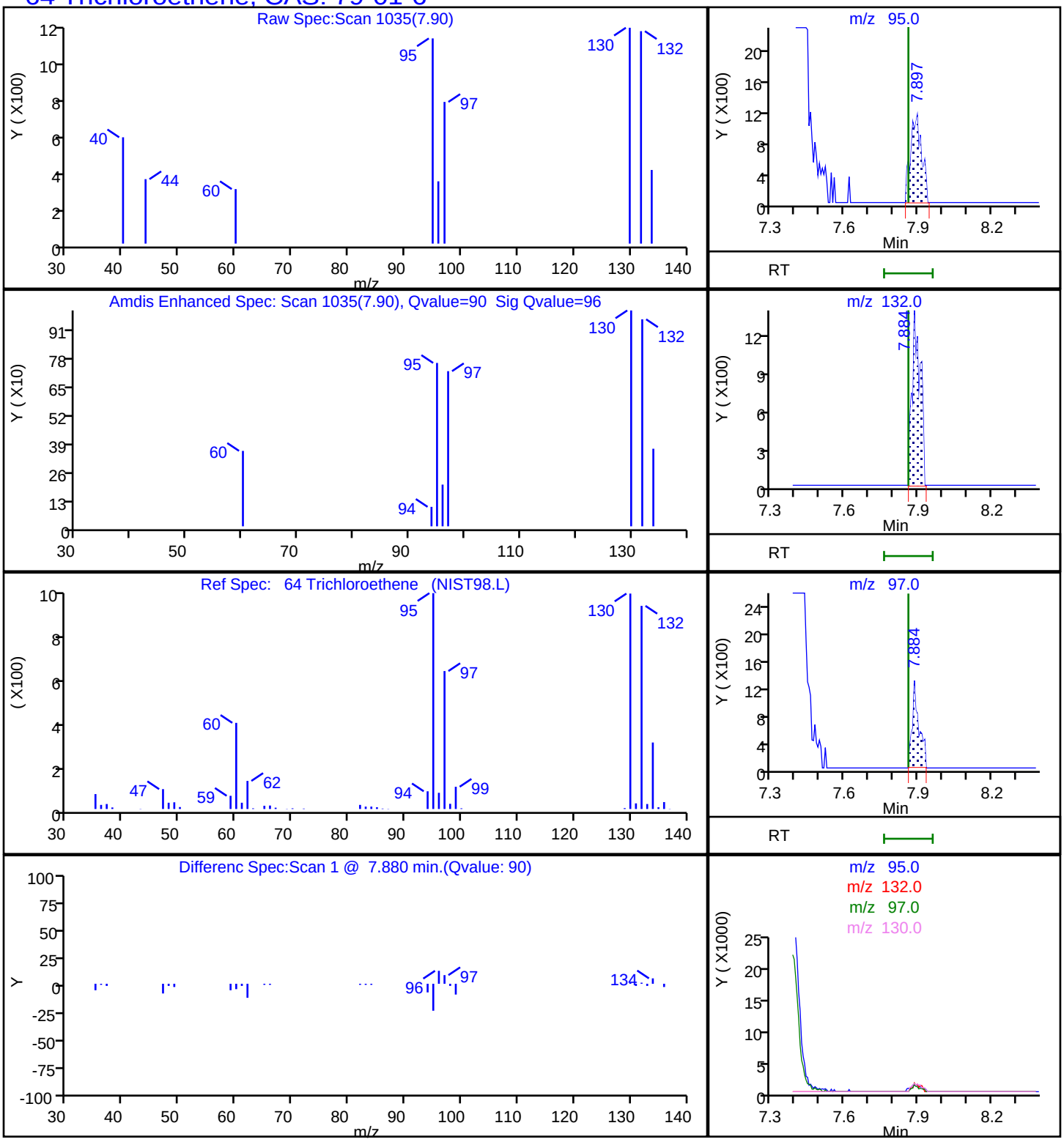
First Level Reviewer: FQ4L Date: 11-Jun-2024 07:49:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	11.0	110.07
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	104.78
$ 78 Toluene-d8 (Surr)	10.0	9.78	97.82
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.50	94.99

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X14.D				
Injection Date:	10-Jun-2024 14:48:30	Instrument ID:	19930		
Lims ID:	410-174025-A-2	Lab Sample ID:	410-174025-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

64 Trichloroethene, CAS: 79-01-6



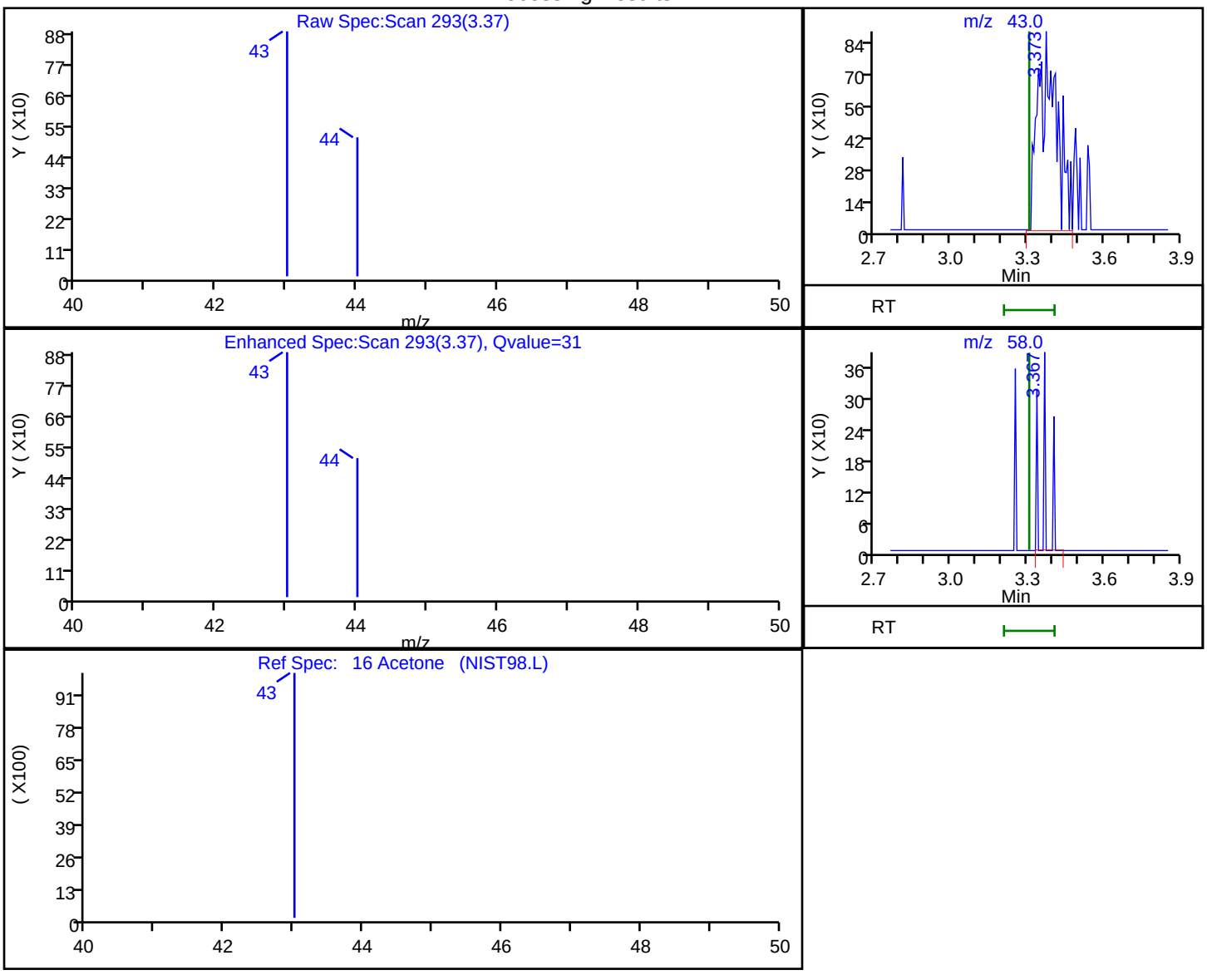
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X14.D				
Injection Date:	10-Jun-2024 14:48:30	Instrument ID:	19930		
Lims ID:	410-174025-A-2	Lab Sample ID:	410-174025-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.37	43.00	4512	1.323884
3.37	58.00	349	

Reviewer: FQ4L, 11-Jun-2024 07:48:58 07:00:00 (UTC)

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

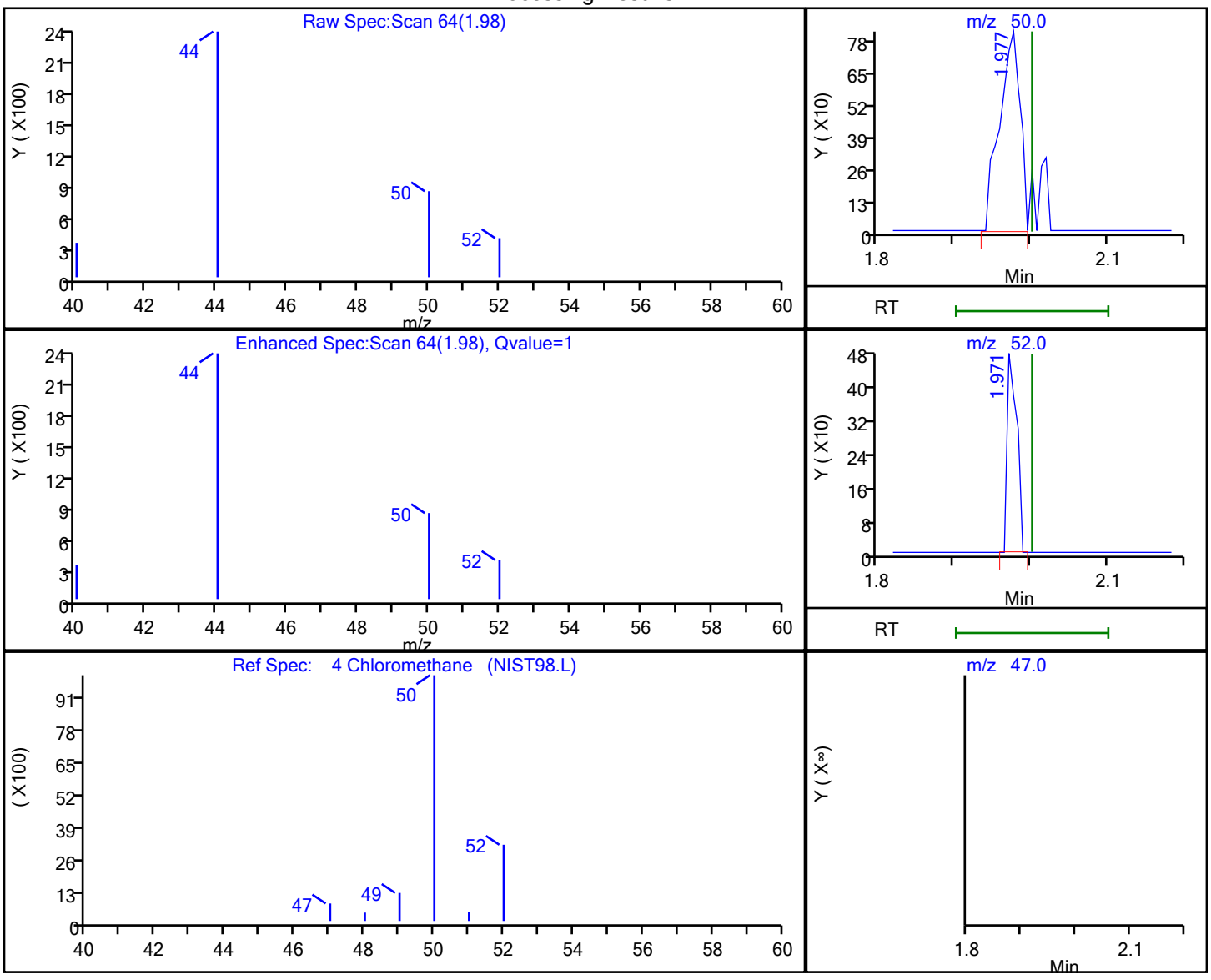
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X14.D				
Injection Date:	10-Jun-2024 14:48:30	Instrument ID:	19930		
Lims ID:	410-174025-A-2	Lab Sample ID:	410-174025-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

4 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.98	50.00	1524	0.035664
1.97	52.00	415	
2.00	47.00	0	

Reviewer: FQ4L, 11-Jun-2024 07:48:53 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.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-8-0/1-0
Lab Sample ID: 410-174025-3

Matrix: Water
Lab File ID: IU10X15.D

Analysis Method: 8260D
Date Collected: 05/30/2024 09:12

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 15:08

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.099	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.77		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-8-0/1-0
Lab Sample ID: 410-174025-3

Matrix: Water
Lab File ID: IU10X15.D

Analysis Method: 8260D
Date Collected: 05/30/2024 09:12

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 15:08

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.13	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	108		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X15.D
Lims ID: 410-174025-A-3
Client ID: HD-COD-SW-8-0/1-0
Sample Type: Client
Inject. Date: 10-Jun-2024 15:08:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-016
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 07:50:15 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 07:50:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.001				ND	
5 Vinyl chloride	62		2.111				ND	
7 Bromomethane	94		2.416				ND	
8 Chloroethane	64		2.489				ND	
15 1,1-Dichloroethene	96		3.276				ND	
16 Acetone	43		3.306				ND	U
20 Carbon disulfide	76		3.556				ND	7
25 Methylene Chloride	84		3.891				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.952	3.903	0.049	22	89402	50.0	
29 Methyl tert-butyl ether	73		4.263				ND	
30 trans-1,2-Dichloroethene	96		4.281				ND	
32 1,1-Dichloroethane	63		4.940				ND	
38 2-Butanone (MEK)	43		5.757				ND	
39 cis-1,2-Dichloroethene	96	5.799	5.775	0.024	1	3406	0.0993	
46 Chlorobromomethane	128		6.116				ND	
48 Chloroform	83	6.287	6.269	0.018	1	3087	0.0543	
$ 49 Dibromofluoromethane (Surr)	113	6.494	6.482	0.012	94	270435	10.8	
50 1,1,1-Trichloroethane	97		6.488				ND	U
54 Carbon tetrachloride	117		6.714				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.945	6.933	0.012	62	55268	10.7	
57 Benzene	78		6.970				ND	
58 1,2-Dichloroethane	62		7.043				ND	
* 61 Fluorobenzene (IS)	96	7.384	7.378	0.006	99	1044955	10.0	
64 Trichloroethene	95	7.884	7.860	0.024	90	4377	0.1282	
66 1,2-Dichloropropane	63		8.189				ND	
71 Dichlorobromomethane	83		8.537				ND	
76 cis-1,3-Dichloropropene	75		9.098				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.280				ND	
$ 78 Toluene-d8 (Surr)	98	9.427	9.421	0.006	93	1056649	9.67	
79 Toluene	92	9.494	9.500	-0.006	62	3139	0.0355	
97 trans-1,3-Dichloropropene	75		9.774				ND	
100 1,1,2-Trichloroethane	97		9.982				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.073	10.067	0.006	98	32553	0.7655	
103 2-Hexanone	43		10.201				ND	
105 Chlorodibromomethane	129		10.366				ND	
106 Ethylene Dibromide	107		10.475				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	831609	10.0	
109 Chlorobenzene	112		10.939				ND	
111 1,1,1,2-Tetrachloroethane	131		11.024				ND	
112 Ethylbenzene	91		11.030				ND	
113 m-Xylene & p-Xylene	106		11.146				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	94	386671	9.59	
121 1,1,2,2-Tetrachloroethane	83		12.024				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	93	482800	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

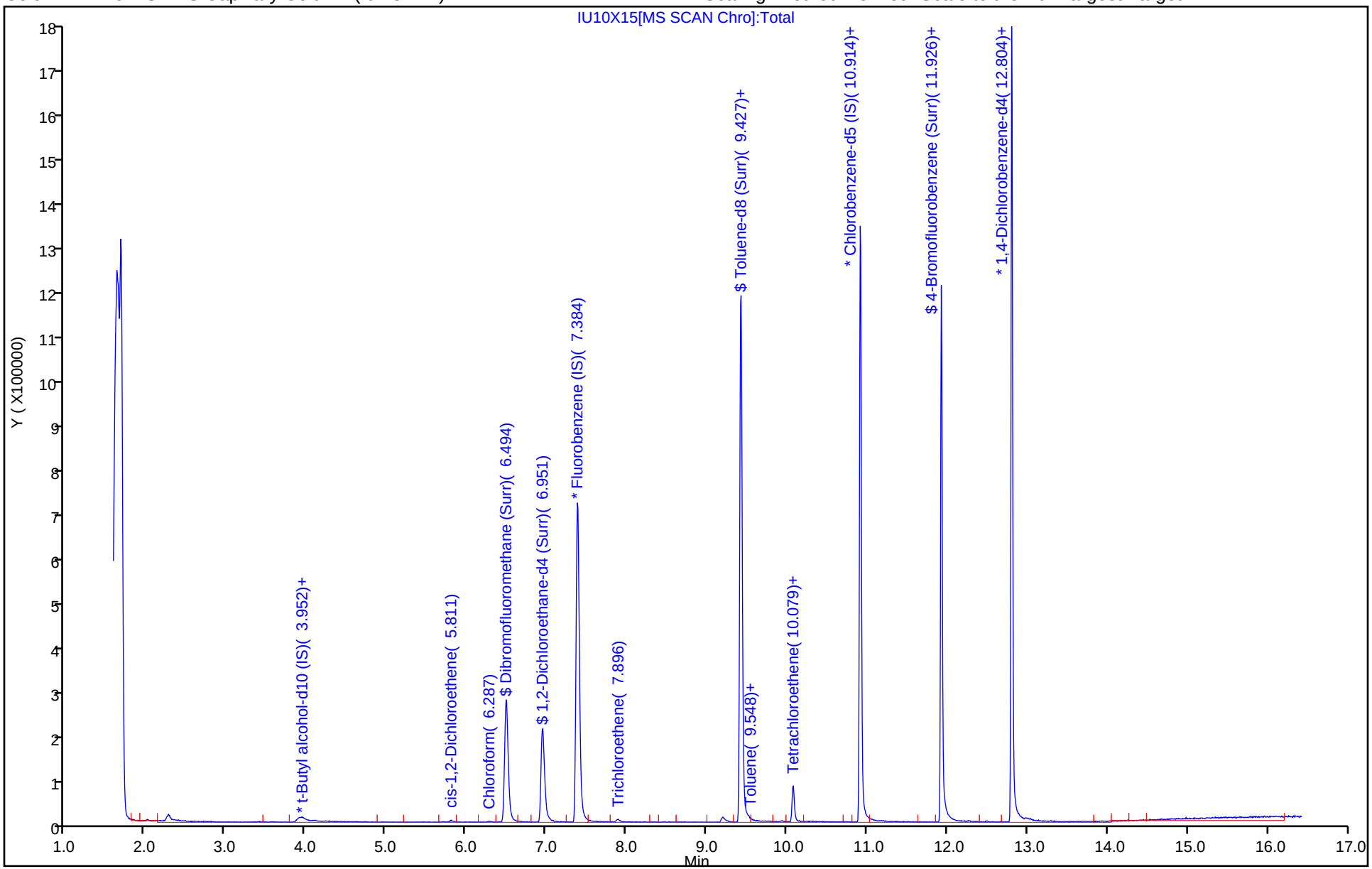
MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 11-Jun-2024 07:50:15 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X15.D				
Injection Date:	10-Jun-2024 15:08:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	410-174025-A-3	Lab Sample ID:	410-174025-3	Worklist Smp#:	16
Client ID:	HD-COD-SW-8-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X15.D				
Lims ID:	410-174025-A-3				
Client ID:	HD-COD-SW-8-0/1-0				
Sample Type:	Client				
Inject. Date:	10-Jun-2024 15:08:30	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0116210-016				
Operator ID:	knk41612	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	11-Jun-2024 07:50:15	Calib Date:	29-Feb-2024 01:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1691				

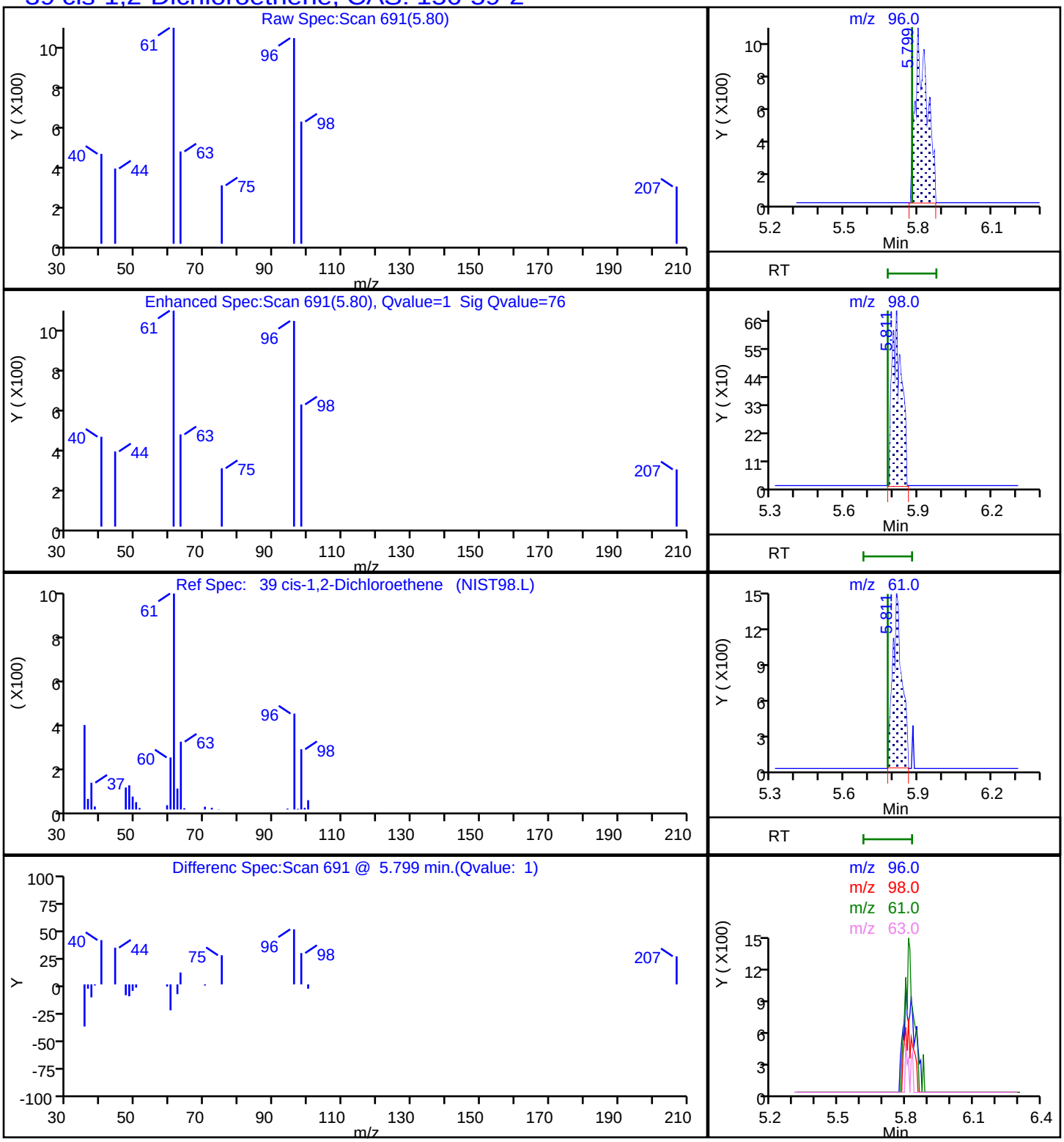
First Level Reviewer: FQ4L Date: 11-Jun-2024 07:50:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.8	107.56
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	106.50
$ 78 Toluene-d8 (Surr)	10.0	9.67	96.68
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.59	95.85

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X15.D				
Injection Date:	10-Jun-2024 15:08:30	Instrument ID:	19930		
Lims ID:	410-174025-A-3	Lab Sample ID:	410-174025-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

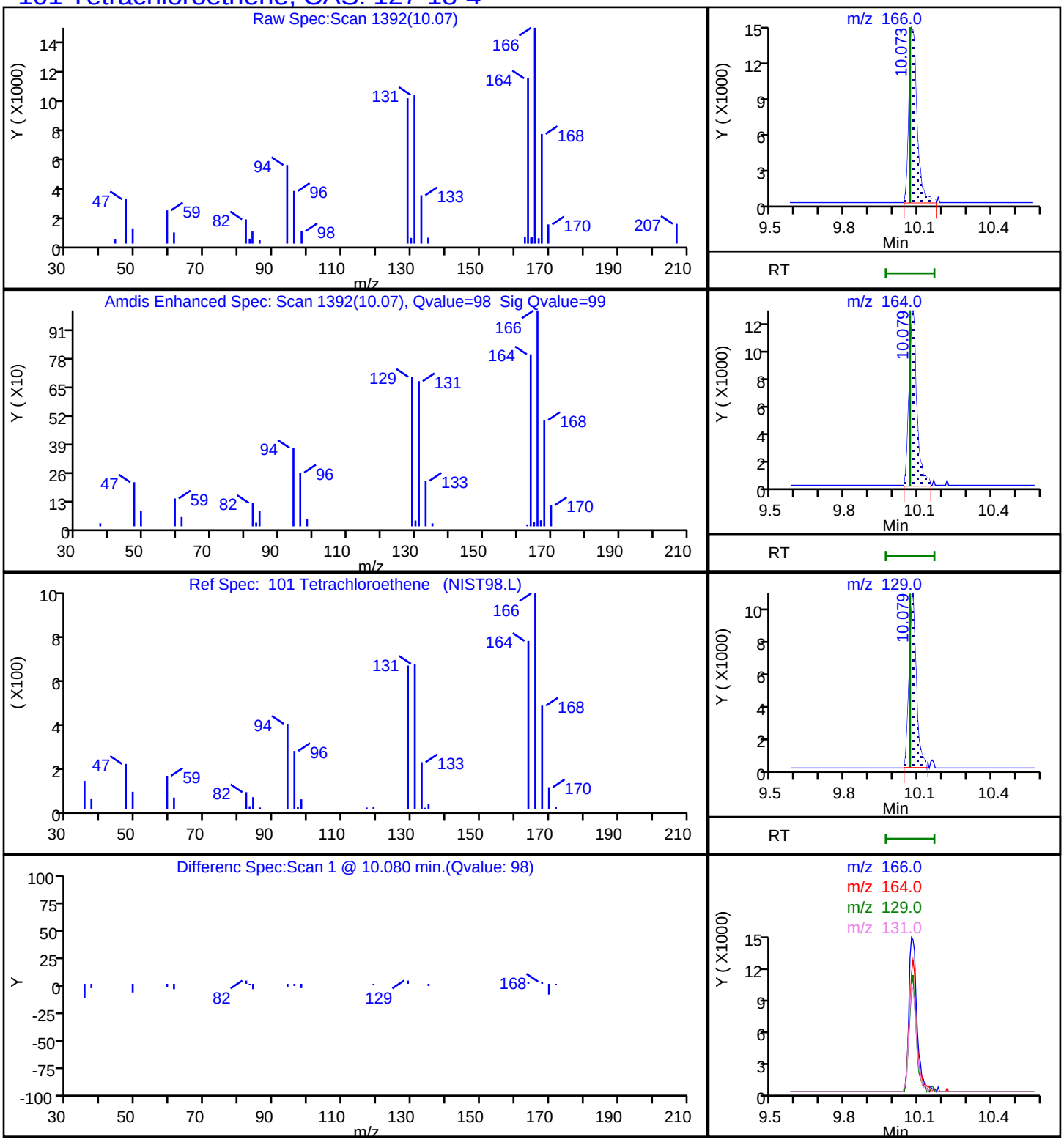
39 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X15.D				
Injection Date:	10-Jun-2024 15:08:30	Instrument ID:	19930		
Lims ID:	410-174025-A-3	Lab Sample ID:	410-174025-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

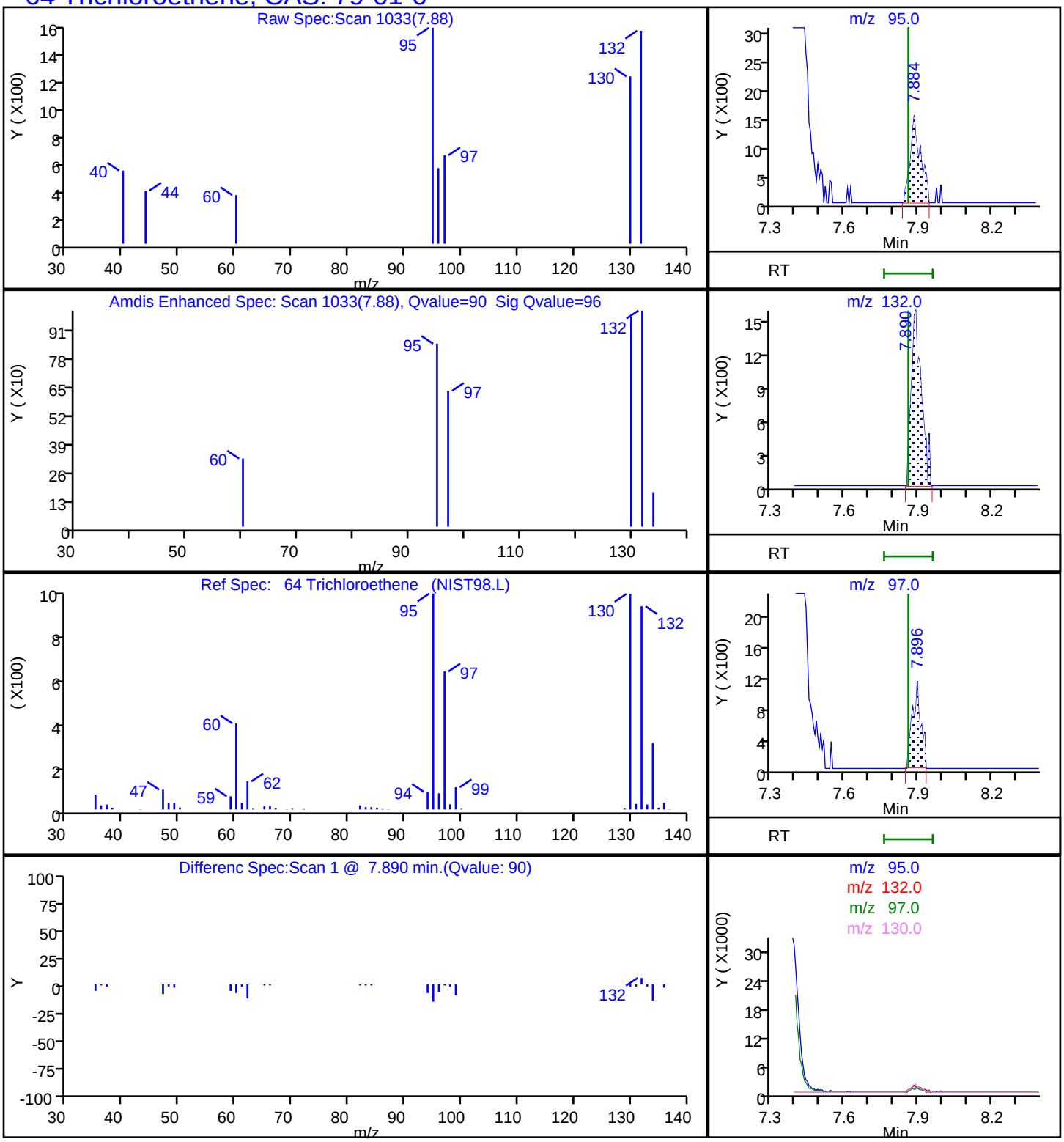
101 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X15.D				
Injection Date:	10-Jun-2024 15:08:30	Instrument ID:	19930		
Lims ID:	410-174025-A-3	Lab Sample ID:	410-174025-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

64 Trichloroethene, CAS: 79-01-6



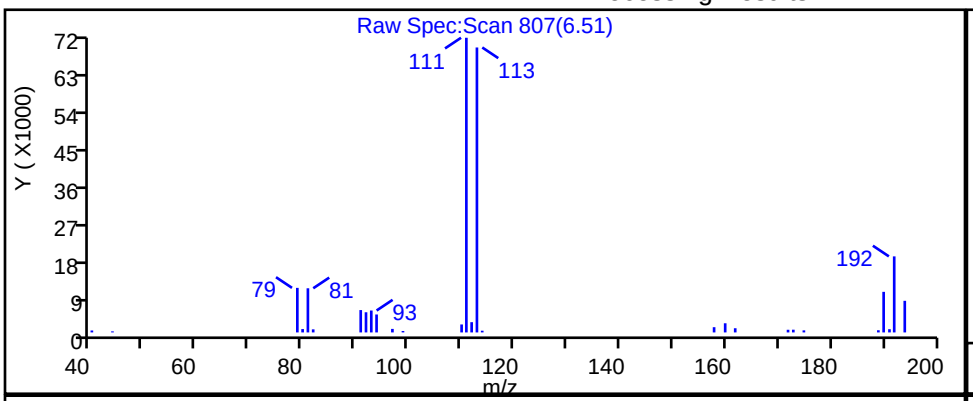
User Disabled Compound Report

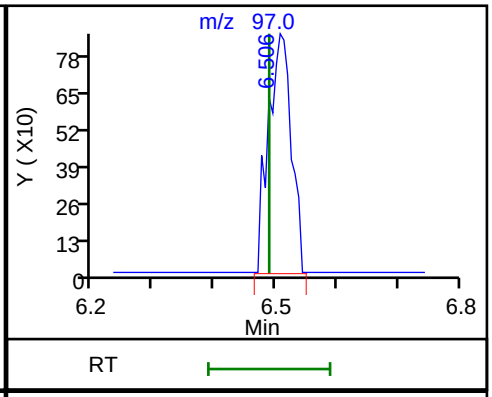
Eurofins Lancaster Laboratories Environment Testing, LLC

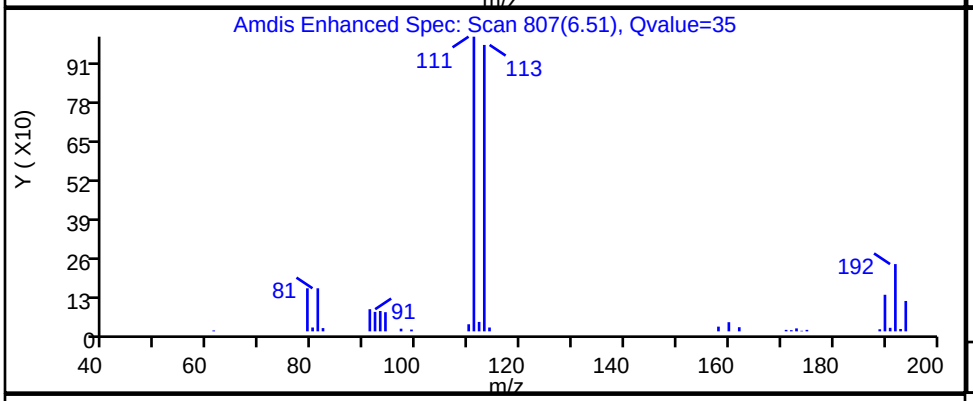
Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X15.D				
Injection Date:	10-Jun-2024 15:08:30	Instrument ID:	19930		
Lims ID:	410-174025-A-3	Lab Sample ID:	410-174025-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

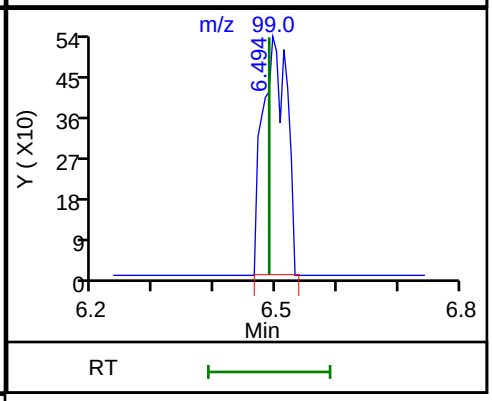
50 1,1,1-Trichloroethane, CAS: 71-55-6

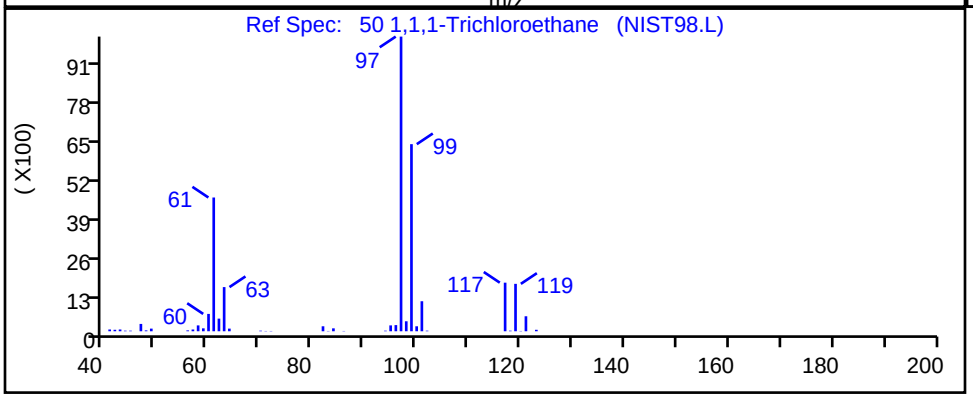
Processing Results











RT	Mass	Response	Amount
6.51	97.00	2227	0.044955
6.49	99.00	1478	

Reviewer: FQ4L, 11-Jun-2024 07:49:55 07:00:00 (UTC)

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

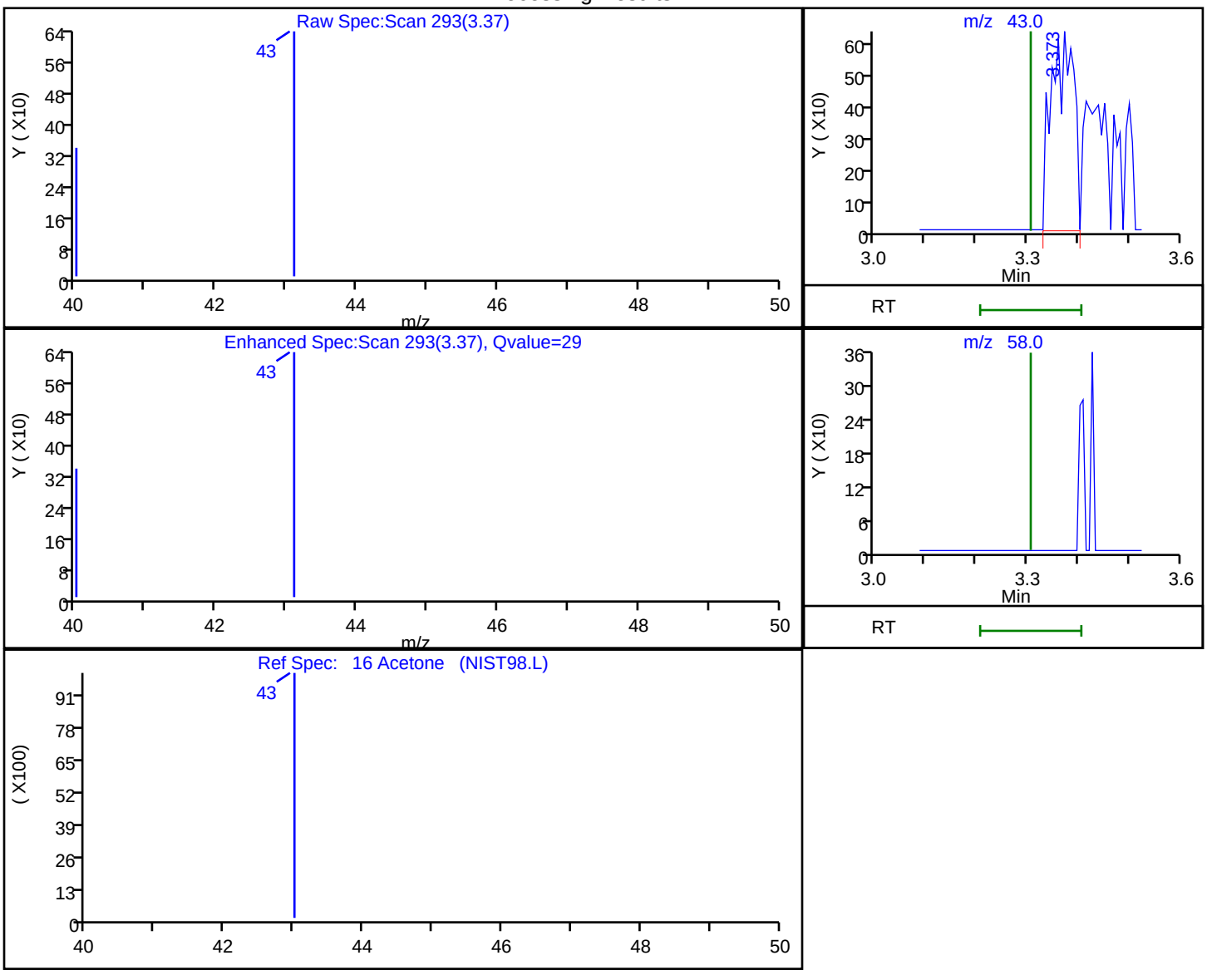
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X15.D				
Injection Date:	10-Jun-2024 15:08:30	Instrument ID:	19930		
Lims ID:	410-174025-A-3	Lab Sample ID:	410-174025-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.37	43.00	1940	0.473801
3.31	58.00	0	

Reviewer: FQ4L, 11-Jun-2024 07:49:38 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.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-9-0/1-0
Lab Sample ID: 410-174025-4

Matrix: Water
Lab File ID: IU10X16.D

Analysis Method: 8260D
Date Collected: 05/30/2024 12:34

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 15:29

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.21	J	0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-9-0/1-0
Lab Sample ID: 410-174025-4

Matrix: Water
Lab File ID: IU10X16.D

Analysis Method: 8260D
Date Collected: 05/30/2024 12:34

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 15:29

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.084	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	108		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X16.D
Lims ID: 410-174025-A-4
Client ID: HD-COD-SW-9-0/1-0
Sample Type: Client
Inject. Date: 10-Jun-2024 15:29:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-017
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 07:51:18 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 07:51:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.001				ND	7
5 Vinyl chloride	62		2.111				ND	
7 Bromomethane	94		2.416				ND	
8 Chloroethane	64		2.489				ND	
15 1,1-Dichloroethene	96		3.276				ND	
16 Acetone	43		3.306				ND	U
20 Carbon disulfide	76	3.556	3.556	0.000	50	3372	0.0414	
25 Methylene Chloride	84		3.891				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.922	3.903	0.019	22	79733	50.0	
29 Methyl tert-butyl ether	73		4.263				ND	
30 trans-1,2-Dichloroethene	96		4.281				ND	
32 1,1-Dichloroethane	63		4.940				ND	
38 2-Butanone (MEK)	43		5.757				ND	
39 cis-1,2-Dichloroethene	96	5.799	5.775	0.024	1	1985	0.0572	a
46 Chlorobromomethane	128		6.116				ND	
48 Chloroform	83	6.275	6.269	0.006	87	4969	0.0863	
$ 49 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	94	273916	10.8	
50 1,1,1-Trichloroethane	97		6.488				ND	
54 Carbon tetrachloride	117		6.714				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.933	0.013	62	54146	10.3	
57 Benzene	78		6.970				ND	
58 1,2-Dichloroethane	62		7.043				ND	
* 61 Fluorobenzene (IS)	96	7.384	7.378	0.006	99	1057935	10.0	
64 Trichloroethene	95	7.890	7.860	0.030	91	2886	0.0835	
66 1,2-Dichloropropane	63		8.189				ND	
71 Dichlorobromomethane	83		8.537				ND	
76 cis-1,3-Dichloropropene	75		9.098				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.280				ND	
$ 78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1068623	9.56	
79 Toluene	92	9.500	9.500	0.000	1	3433	0.0379	
97 trans-1,3-Dichloropropene	75		9.774				ND	
100 1,1,2-Trichloroethane	97		9.982				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.073	10.067	0.006	94	9107	0.2093	
103 2-Hexanone	43		10.201				ND	
105 Chlorodibromomethane	129		10.366				ND	
106 Ethylene Dibromide	107		10.475				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	850788	10.0	
109 Chlorobenzene	112		10.939				ND	
111 1,1,1,2-Tetrachloroethane	131		11.024				ND	
112 Ethylbenzene	91		11.030				ND	
113 m-Xylene & p-Xylene	106		11.146				ND	
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	94	387456	9.39	
121 1,1,2,2-Tetrachloroethane	83		12.024				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	94	485317	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

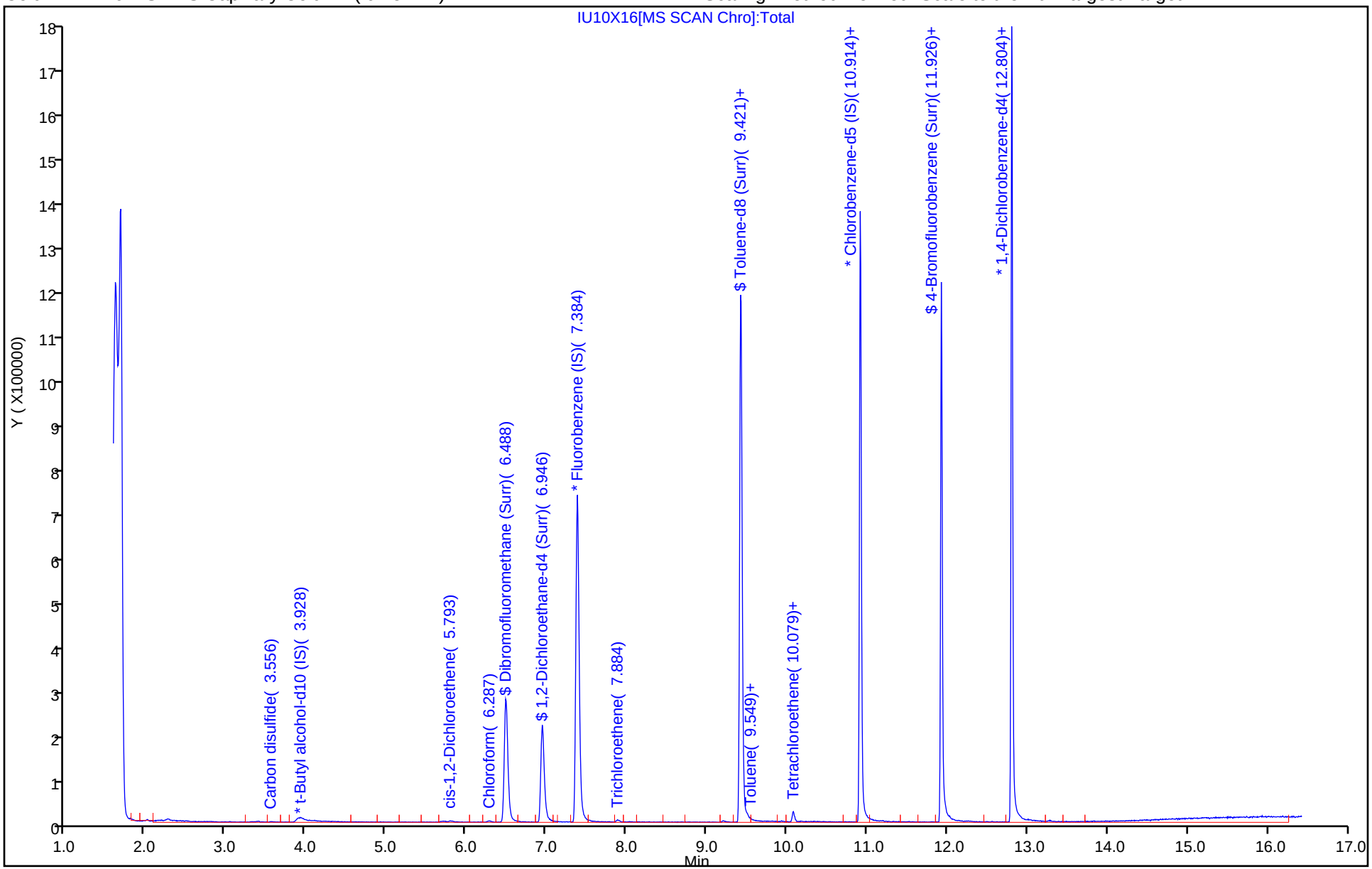
MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 11-Jun-2024 07:51:18 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X16.D				
Injection Date:	10-Jun-2024 15:29:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	410-174025-A-4	Lab Sample ID:	410-174025-4	Worklist Smp#:	17
Client ID:	HD-COD-SW-9-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X16.D				
Lims ID:	410-174025-A-4				
Client ID:	HD-COD-SW-9-0/1-0				
Sample Type:	Client				
Inject. Date:	10-Jun-2024 15:29:30	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0116210-017				
Operator ID:	knk41612	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	11-Jun-2024 07:51:18	Calib Date:	29-Feb-2024 01:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1691				

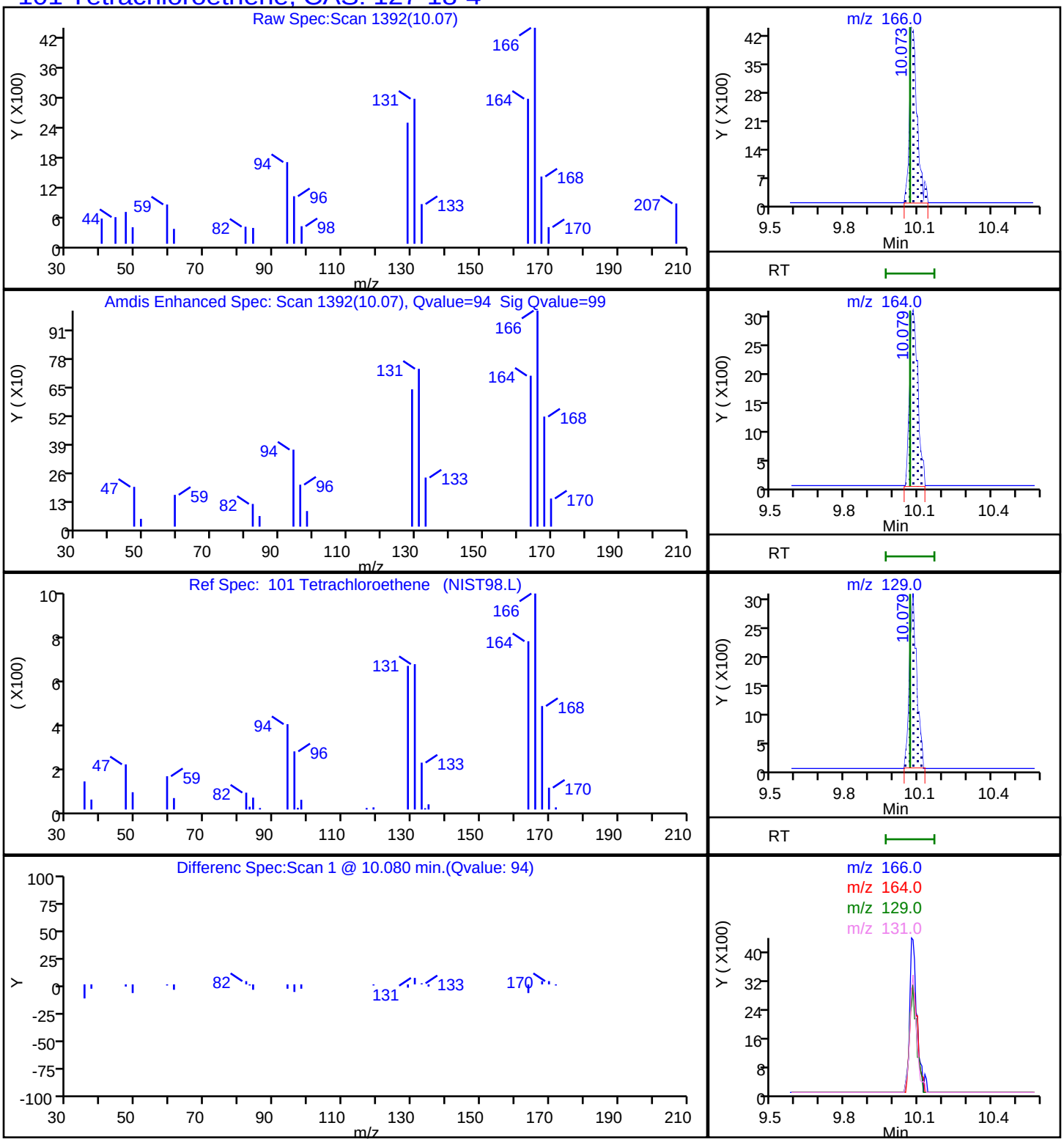
First Level Reviewer: FQ4L Date: 11-Jun-2024 07:51:18

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.8	107.61
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	103.06
$ 78 Toluene-d8 (Surr)	10.0	9.56	95.57
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.39	93.88

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X16.D				
Injection Date:	10-Jun-2024 15:29:30	Instrument ID:	19930		
Lims ID:	410-174025-A-4	Lab Sample ID:	410-174025-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

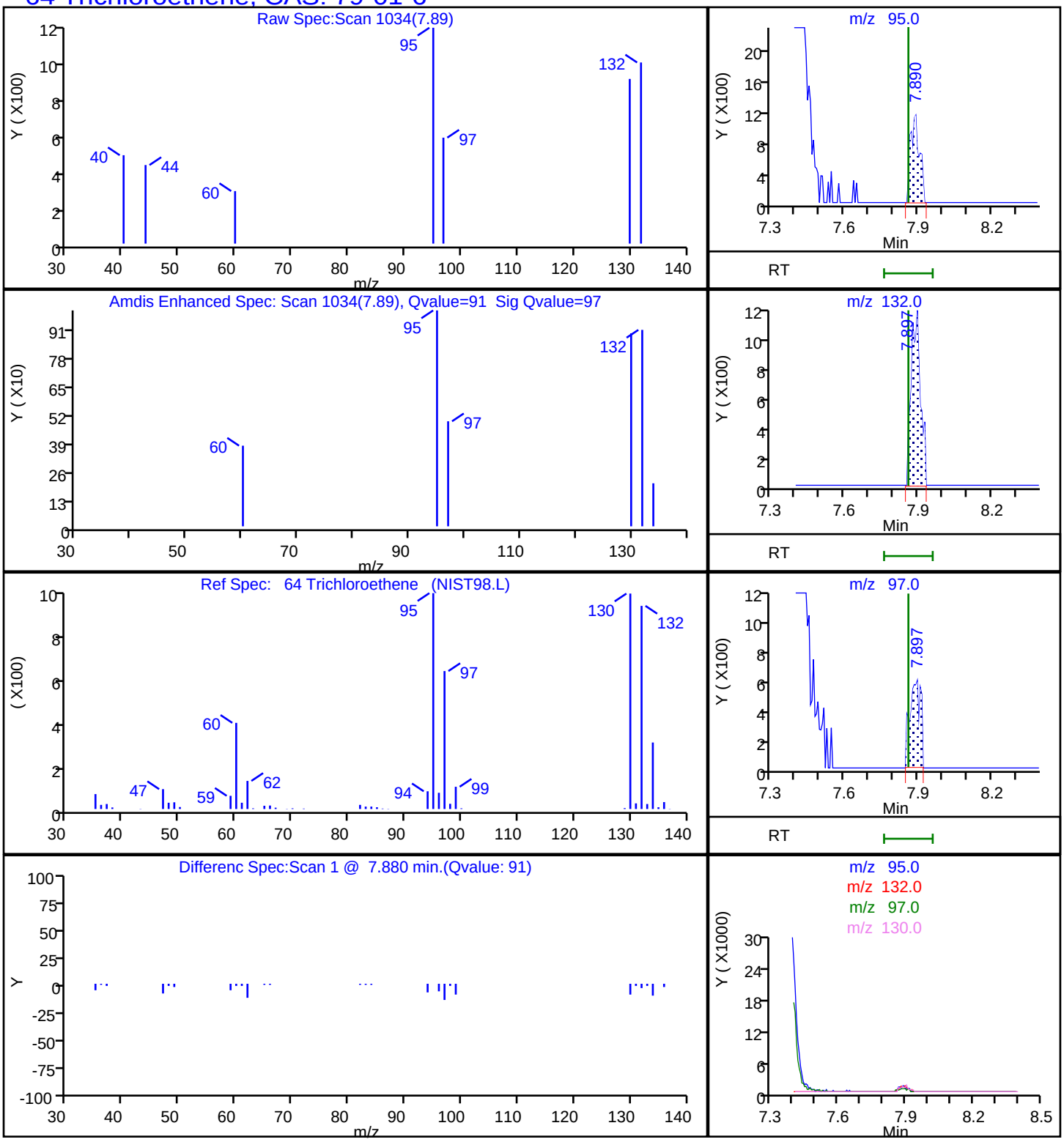
101 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X16.D				
Injection Date:	10-Jun-2024 15:29:30	Instrument ID:	19930		
Lims ID:	410-174025-A-4	Lab Sample ID:	410-174025-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

64 Trichloroethene, CAS: 79-01-6



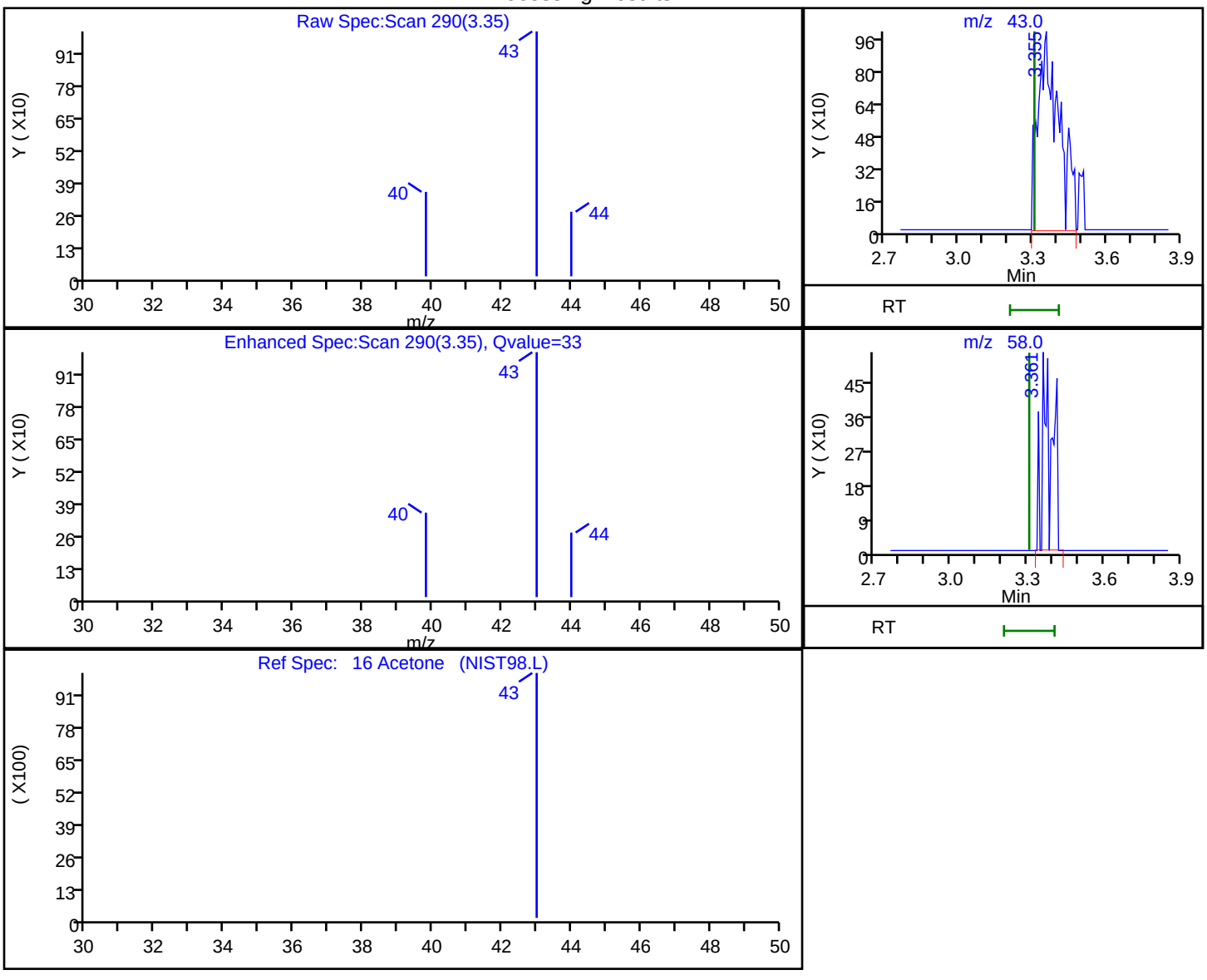
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X16.D				
Injection Date:	10-Jun-2024 15:29:30	Instrument ID:	19930		
Lims ID:	410-174025-A-4	Lab Sample ID:	410-174025-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.35	43.00	5972	1.635396
3.36	58.00	1373	

Reviewer: FQ4L, 11-Jun-2024 07:50:34 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

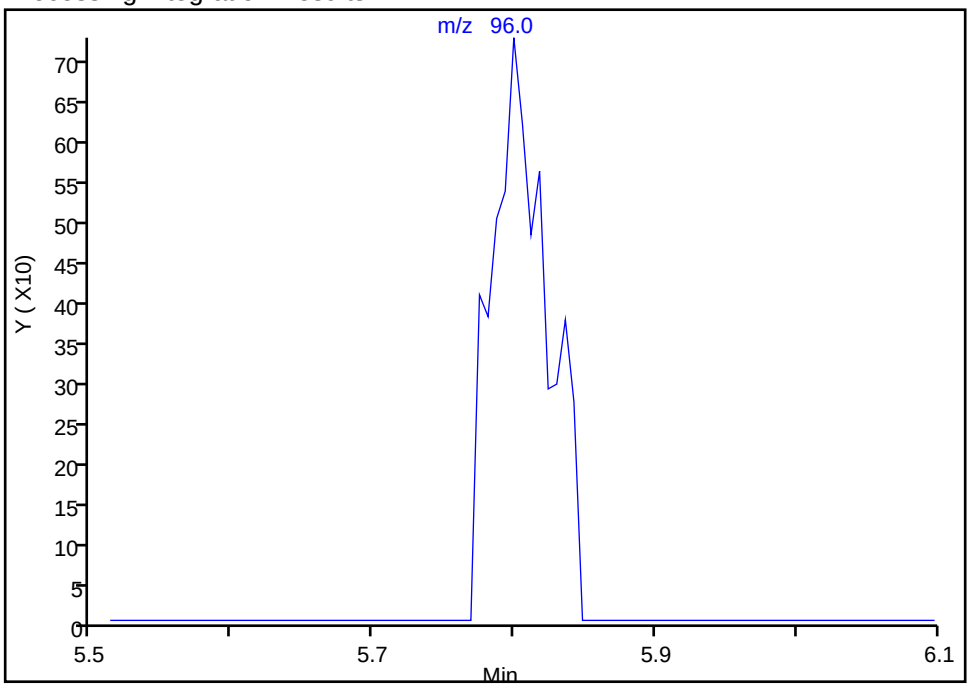
Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X16.D				
Injection Date:	10-Jun-2024 15:29:30	Instrument ID:	19930		
Lims ID:	410-174025-A-4	Lab Sample ID:	410-174025-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

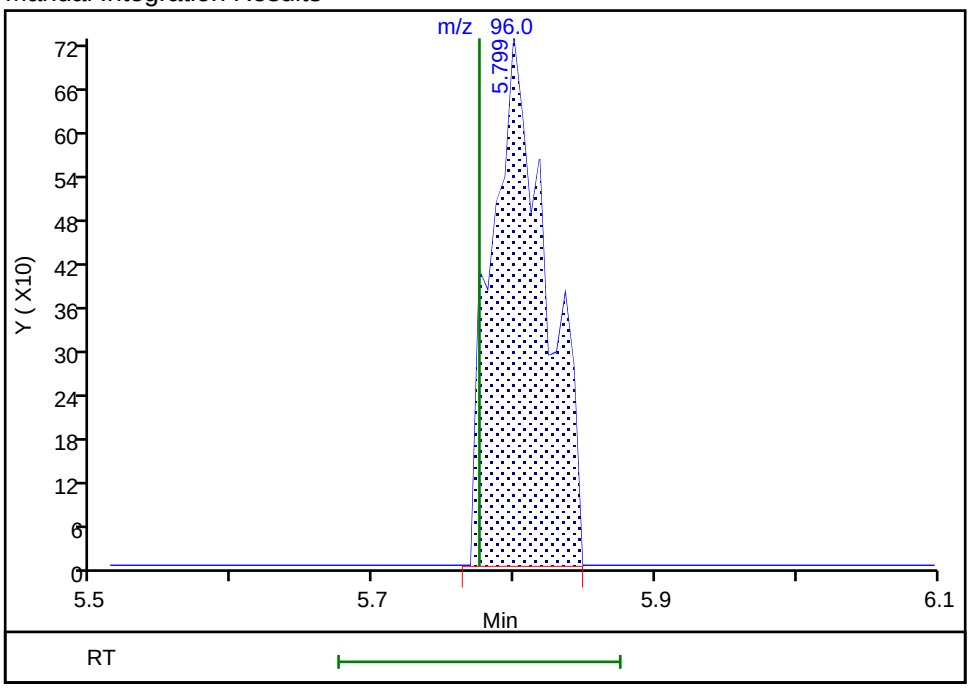
Not Detected
Expected RT: 5.78

Processing Integration Results



Manual Integration Results

RT: 5.80
Area: 1985
Amount: 0.057155
Amount Units: ug/l



Reviewer: FQ4L, 11-Jun-2024 07:50:46 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-13-0/1-0
Lab Sample ID: 410-174025-5

Matrix: Water
Lab File ID: IU10X17.D

Analysis Method: 8260D
Date Collected: 05/30/2024 09:30

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 15:50

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.8	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.11	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	1.4		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-13-0/1-0
Lab Sample ID: 410-174025-5

Matrix: Water
Lab File ID: IU10X17.D

Analysis Method: 8260D
Date Collected: 05/30/2024 09:30

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 15:50

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.15	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	108		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X17.D
Lims ID: 410-174025-A-5
Client ID: HD-COD-SW-13-0/1-0
Sample Type: Client
Inject. Date: 10-Jun-2024 15:50:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-018
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 07:52:16 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 07:52:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.001				ND	
5 Vinyl chloride	62		2.111				ND	
7 Bromomethane	94		2.416				ND	
8 Chloroethane	64		2.489				ND	
15 1,1-Dichloroethene	96		3.276				ND	
16 Acetone	43	3.349	3.306	0.043	70	7590	1.77	
20 Carbon disulfide	76	3.556	3.556	0.000	53	3506	0.0434	
25 Methylene Chloride	84		3.891				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.940	3.903	0.037	1	93605	50.0	
29 Methyl tert-butyl ether	73		4.263				ND	
30 trans-1,2-Dichloroethene	96		4.281				ND	
32 1,1-Dichloroethane	63		4.940				ND	
38 2-Butanone (MEK)	43		5.757				ND	
39 cis-1,2-Dichloroethene	96	5.799	5.775	0.024	73	3871	0.1123	
46 Chlorobromomethane	128		6.116				ND	
48 Chloroform	83	6.263	6.269	-0.006	1	2608	0.0457	
$ 49 Dibromofluoromethane (Surr)	113	6.494	6.482	0.012	94	273386	10.8	
50 1,1,1-Trichloroethane	97		6.488				ND	U
54 Carbon tetrachloride	117		6.714				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.939	6.933	0.006	62	54637	10.5	
57 Benzene	78		6.970				ND	
58 1,2-Dichloroethane	62		7.043				ND	
* 61 Fluorobenzene (IS)	96	7.385	7.378	0.007	99	1049600	10.0	
64 Trichloroethene	95	7.884	7.860	0.024	92	5230	0.1525	
66 1,2-Dichloropropane	63		8.189				ND	
71 Dichlorobromomethane	83		8.537				ND	
76 cis-1,3-Dichloropropene	75		9.098				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.280				ND	
$ 78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1049356	9.65	
79 Toluene	92	9.500	9.500	0.000	97	6271	0.0713	
97 trans-1,3-Dichloropropene	75		9.774				ND	
100 1,1,2-Trichloroethane	97		9.982				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.073	10.067	0.006	97	57253	1.35	
103 2-Hexanone	43		10.201				ND	
105 Chlorodibromomethane	129		10.366				ND	
106 Ethylene Dibromide	107		10.475				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	827204	10.0	
109 Chlorobenzene	112		10.939				ND	
111 1,1,1,2-Tetrachloroethane	131		11.024				ND	
112 Ethylbenzene	91		11.030				ND	
113 m-Xylene & p-Xylene	106		11.146				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	94	392370	9.78	
121 1,1,2,2-Tetrachloroethane	83		12.024				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	94	477102	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

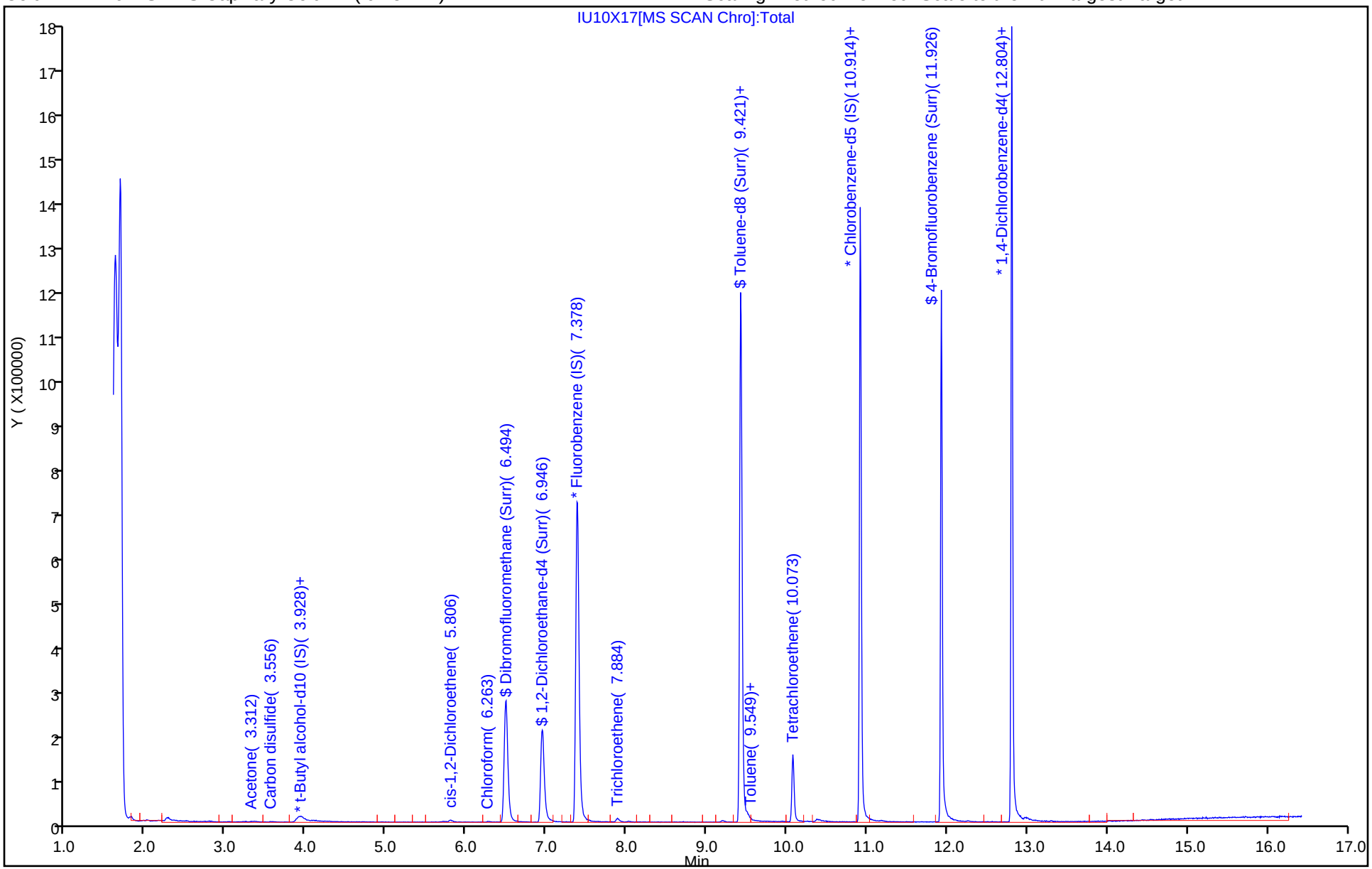
Report Date: 11-Jun-2024 07:52:16 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X17.D

Injection Date:	10-Jun-2024 15:50:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	410-174025-A-5	Lab Sample ID:	410-174025-5	Worklist Smp#:	18
Client ID:	HD-COD-SW-13-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X17.D				
Lims ID:	410-174025-A-5				
Client ID:	HD-COD-SW-13-0/1-0				
Sample Type:	Client				
Inject. Date:	10-Jun-2024 15:50:30	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0116210-018				
Operator ID:	knk41612	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	11-Jun-2024 07:52:16	Calib Date:	29-Feb-2024 01:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1691				

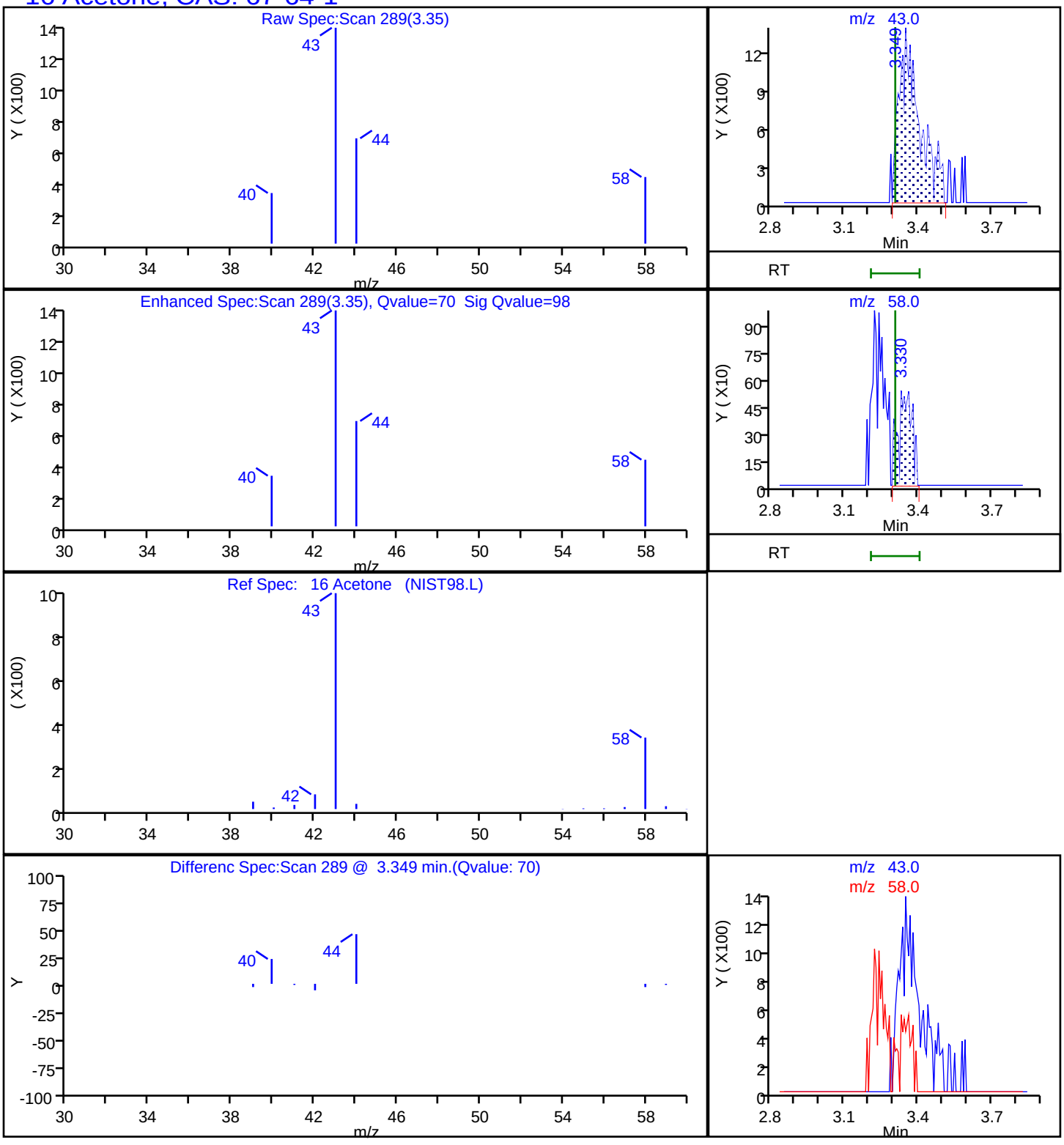
First Level Reviewer: FQ4L Date: 11-Jun-2024 07:52:16

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.8	108.25
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	104.82
$ 78 Toluene-d8 (Surr)	10.0	9.65	96.52
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.78	97.78

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X17.D				
Injection Date:	10-Jun-2024 15:50:30	Instrument ID:	19930		
Lims ID:	410-174025-A-5	Lab Sample ID:	410-174025-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

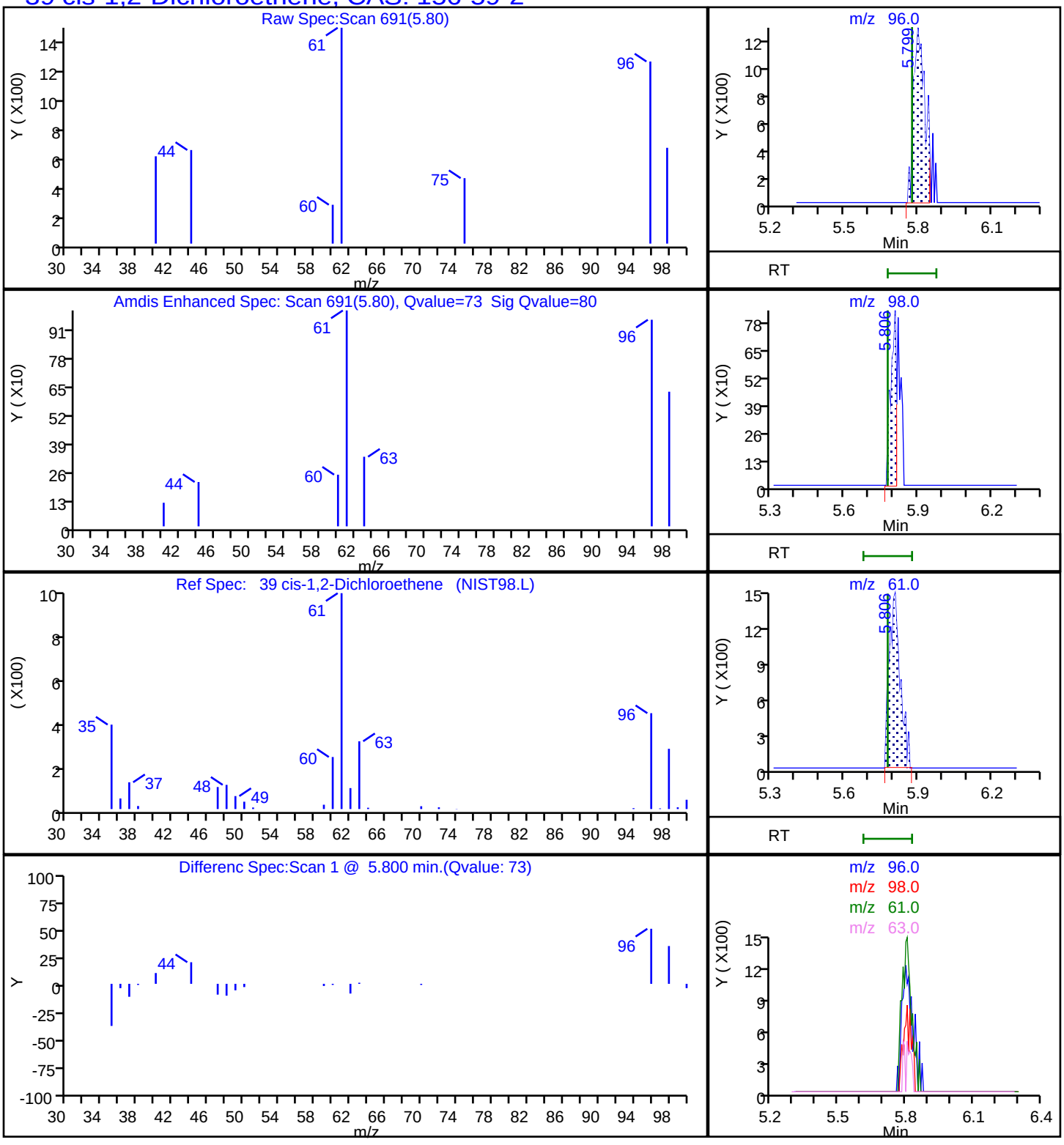
16 Acetone, CAS: 67-64-1



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X17.D				
Injection Date:	10-Jun-2024 15:50:30	Instrument ID:	19930		
Lims ID:	410-174025-A-5	Lab Sample ID:	410-174025-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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



Report Date: 11-Jun-2024 07:52:16 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X17.D

Injection Date: 10-Jun-2024 15:50:30 Instrument ID: 19930

Lims ID: 410-174025-A-5 Lab Sample ID: 410-174025-5

Client ID: HD-COD-SW-13-0/1-0

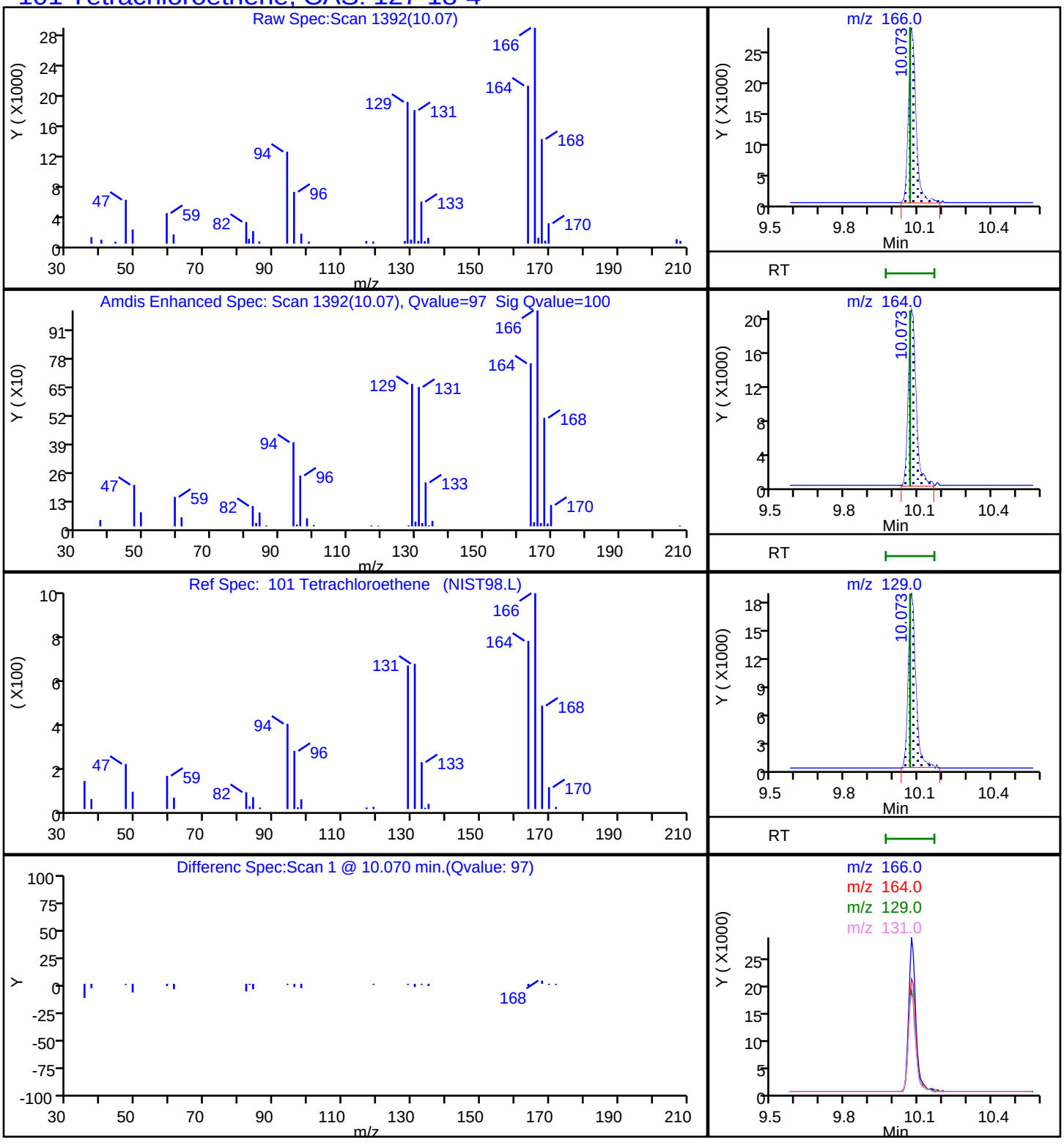
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D

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

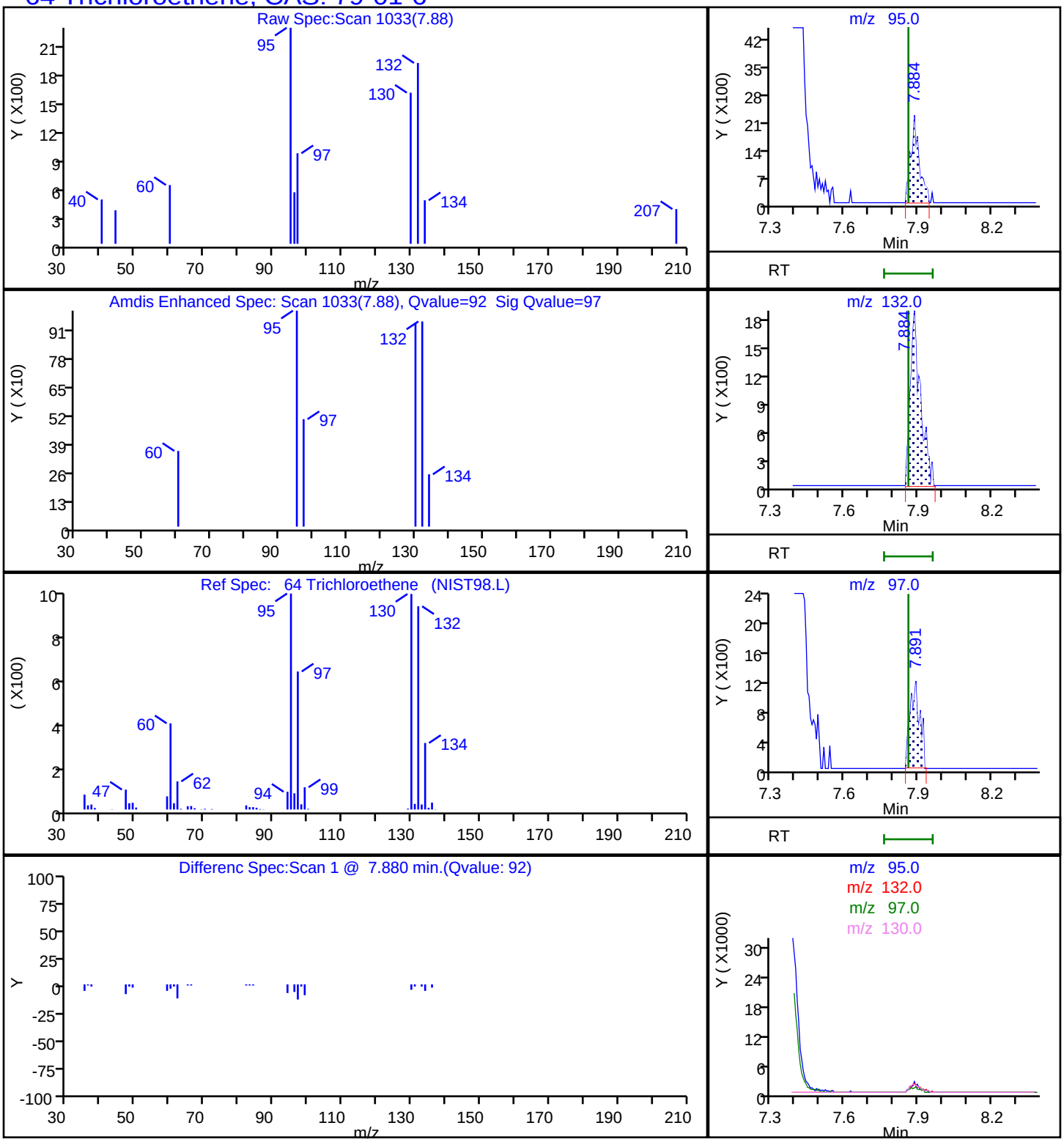
101 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X17.D				
Injection Date:	10-Jun-2024 15:50:30	Instrument ID:	19930		
Lims ID:	410-174025-A-5	Lab Sample ID:	410-174025-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

64 Trichloroethene, CAS: 79-01-6



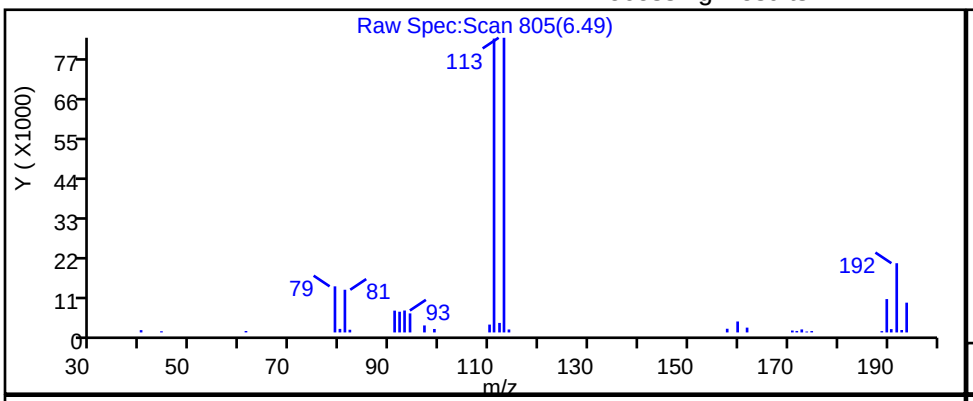
User Disabled Compound Report

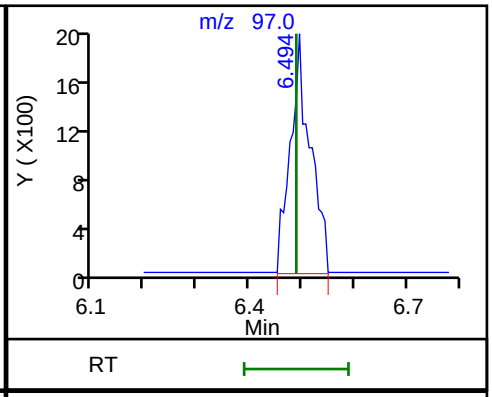
Eurofins Lancaster Laboratories Environment Testing, LLC

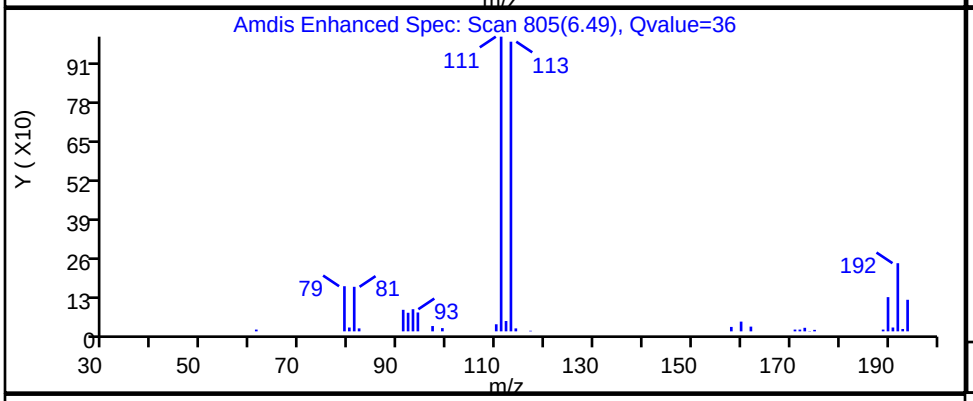
Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X17.D				
Injection Date:	10-Jun-2024 15:50:30	Instrument ID:	19930		
Lims ID:	410-174025-A-5	Lab Sample ID:	410-174025-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

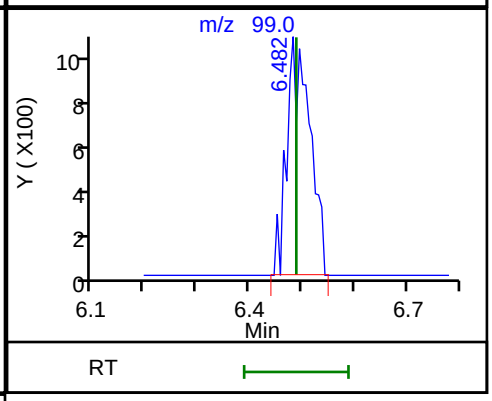
50 1,1,1-Trichloroethane, CAS: 71-55-6

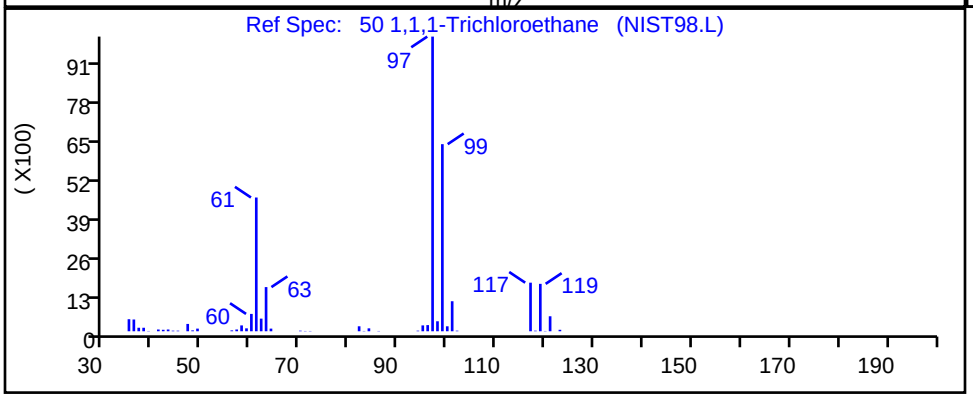
Processing Results











RT	Mass	Response	Amount
6.49	97.00	5149	0.103480
6.48	99.00	3100	

Reviewer: FQ4L, 11-Jun-2024 07:51:51 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.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0
Lab Sample ID: 410-174025-6

Matrix: Water
Lab File ID: IU10X18.D

Analysis Method: 8260D
Date Collected: 05/30/2024 11:30

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 16:11

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	0.21	J	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	0.12	J	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.19	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.66		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	4.4		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0
Lab Sample ID: 410-174025-6

Matrix: Water
Lab File ID: IU10X18.D

Analysis Method: 8260D
Date Collected: 05/30/2024 11:30

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 16:11

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.87		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	107		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X18.D
Lims ID: 410-174025-A-6
Client ID: HD-COD-SW-15-0/1-0
Sample Type: Client
Inject. Date: 10-Jun-2024 16:11:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-019
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 07:52:16 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 07:54:58

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1	Dichlorodifluoromethane	85		1.818				ND	
2	Chlorodifluoromethane	51		1.837				ND	
3	Dimethyl ether	45		1.892				ND	
4	Chloromethane	50		2.001				ND	
5	Vinyl chloride	62		2.111				ND	
6	Butadiene	39		2.117				ND	7
7	Bromomethane	94		2.416				ND	
8	Chloroethane	64		2.489				ND	
9	Dichlorofluoromethane	67		2.715				ND	
10	Trichlorofluoromethane	101		2.776				ND	
11	Ethyl ether	59		2.989				ND	
13	1,2-Dichloro-1,1,2-trifluoroetha	67		3.080				ND	
14	Acrolein	56		3.147				ND	
15	1,1-Dichloroethene	96	3.275	3.276	-0.001	89	3229	0.1182	
T 12	Ethanol TIC	45		3.288				ND	7
16	Acetone	43		3.306				ND	
17	1,1,2-Trichloro-1,2,2-trifluoroe	101		3.318				ND	
18	Iodomethane	142		3.458				ND	
19	Ethyl bromide	108		3.483				ND	
20	Carbon disulfide	76		3.556				ND	
23	Methyl acetate	43		3.696				ND	
21	Acetonitrile	41		3.708				ND	
24	3-Chloro-1-propene	41		3.714				ND	
25	Methylene Chloride	84		3.891				ND	
* 26	t-Butyl alcohol-d10 (IS)	65	3.928	3.903	0.025	22	87213	50.0	
T 22	Acetonitrile TIC	41		4.001				ND	
27	2-Methyl-2-propanol	59		4.025				ND	
28	Acrylonitrile	53		4.220				ND	
29	Methyl tert-butyl ether	73		4.263				ND	7
30	trans-1,2-Dichloroethene	96		4.281				ND	
31	Hexane	57		4.708				ND	
32	1,1-Dichloroethane	63		4.940				ND	

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	33 Vinyl acetate	43		4.964				ND	
	35 Isopropyl ether	45		5.001				ND	
	36 2-Chloro-1,3-butadiene	53		5.050				ND	
T	34 Vinyl acetate (TIC)	43		5.336				ND	
	37 Tert-butyl ethyl ether	59		5.543				ND	
	38 2-Butanone (MEK)	43		5.757				ND	
	39 cis-1,2-Dichloroethene	96	5.799	5.775	0.024	77	23256	0.6566	
	40 2,2-Dichloropropane	77		5.793				ND	
	43 Propionitrile	54		5.842				ND	
	42 Ethyl acetate	43		5.860				ND	
	45 Methacrylonitrile	67		6.049				ND	
	46 Chlorobromomethane	128		6.116				ND	
	47 Tetrahydrofuran	71		6.129				ND	
S	41 1,2-Dichloroethene, Total	100				0		0.6566	
	44 Methyl acrylate	55		6.220				ND	
	48 Chloroform	83	6.287	6.269	0.018	91	10896	0.1856	
$	49 Dibromofluoromethane (Surr)	113	6.494	6.482	0.012	94	278809	10.7	
	50 1,1,1-Trichloroethane	97	6.494	6.488	0.006	37	10787	0.2109	
	51 Cyclohexane	56		6.592				ND	
	54 Carbon tetrachloride	117		6.714				ND	
	53 1,1-Dichloropropene	75		6.714				ND	
	55 Isobutyl alcohol	41		6.878				ND	
$	56 1,2-Dichloroethane-d4 (Surr)	102	6.939	6.933	0.006	62	55977	10.4	
	57 Benzene	78		6.970				ND	
	52 1-Chlorobutane	56		7.019				ND	
	58 1,2-Dichloroethane	62		7.043				ND	
	59 Isopropyl acetate	43		7.080				ND	
	60 Tert-amyl methyl ether	73		7.165				ND	
*	61 Fluorobenzene (IS)	96	7.384	7.378	0.006	99	1078899	10.0	
	62 n-Heptane	43		7.397				ND	
	63 n-Butanol	56		7.769				ND	
	64 Trichloroethene	95	7.878	7.860	0.018	96	30650	0.8697	
	65 Methylcyclohexane	83		8.165				ND	
	66 1,2-Dichloropropane	63		8.189				ND	
	67 Methyl methacrylate	69		8.287				ND	
	68 1,4-Dioxane	88		8.287				ND	
	69 Dibromomethane	93		8.305				ND	
	70 n-Propyl acetate	43		8.384				ND	
	71 Dichlorobromomethane	83		8.537				ND	
	72 2-Nitropropane	41		8.805				ND	
	75 1-Bromo-2-chloroethane	63		8.933				ND	
	73 2-Chloroethyl vinyl ether	63		8.957				ND	
	76 cis-1,3-Dichloropropene	75		9.098				ND	
	74 Chloroacetonitrile	75		9.226				ND	
	77 4-Methyl-2-pentanone (MIBK)	43		9.280				ND	
$	78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1076623	9.58	
	79 Toluene	92		9.500				ND	7
	97 trans-1,3-Dichloropropene	75		9.774				ND	
	99 Ethyl methacrylate	69		9.841				ND	
	100 1,1,2-Trichloroethane	97		9.982				ND	
T	89 Ethylene oxide TIC	43	9.421	10.000	-0.579	24	3856	0.0357	
T	95 Decamethylcyclopentasiloxane TIC	73	10.914	10.000	0.914	1	2987	0.0277	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
T 94 Hexachloroethane TIC	117	10.067	10.000	0.067	11	1181	0.0109	
T 88 Isopropyl alcohol TIC	45	9.433	10.000	-0.567	15	547	0.005070	
T 92 2-Bromo-3-chloropropene TIC	75	10.914	10.000	0.914	1	13177	0.1221	
T 90 Vinyl bromide TIC	106	11.932	10.000	1.932	0	1379	0.0128	
T 87 2-Chloroethanol TIC	44	9.872	10.000	-0.128	1	523	0.004848	
T 93 Nitrobenzene TIC	77	9.433	10.000	-0.567	9	902	0.008360	
T 96 Octamethylcyclotetrasiloxane TIC	281	11.944	10.000	1.944	1	980	0.009083	
T 91 Epibromohydrin TIC	57		10.000				ND	
T 80 Chloroacetaldehyde TIC	50		10.000				ND	
T 86 2-Bromoethanol TIC	45		10.000				ND	
T 224 Methyl acrylate TIC	55	9.421	10.000	-0.579	9	2949	0.0273	
T 84 3-Chloro-1,2-propanediol TIC	43		10.000				ND	
T 85 2,3-Dibromo-1-propanol TIC	57		10.000				ND	
T 83 2,3-Dibromopropene TIC	119	10.073	10.000	0.073	1	1355	0.0126	
T 81 Monochloroacetic acid TIC	50	9.494	10.000	-0.506	1	120	0.001112	
T 82 Epichlorohydrin TIC	57	9.427	10.000	-0.573	26	135	0.001251	
S 98 1,3-Dichloropropene, Total	100		10.060				ND	7
101 Tetrachloroethene	166	10.073	10.067	0.006	97	193263	4.42	
102 1,3-Dichloropropane	76		10.146				ND	
103 2-Hexanone	43		10.201				ND	
104 n-Butyl acetate	43		10.335				ND	
105 Chlorodibromomethane	129		10.366				ND	
106 Ethylene Dibromide	107		10.475				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	855425	10.0	
108 1-Chlorohexane	91		10.926				ND	7
109 Chlorobenzene	112		10.939				ND	
111 1,1,1,2-Tetrachloroethane	131		11.024				ND	
112 Ethylbenzene	91		11.030				ND	
113 m-Xylene & p-Xylene	106		11.146				ND	
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
117 Isopropylbenzene	105		11.780				ND	
118 cis-1,4-Dichloro-2-butene	88		11.829				ND	
119 Cyclohexanone	55		11.883				ND	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	95	393638	9.49	
121 1,1,2,2-Tetrachloroethane	83		12.024				ND	
122 Bromobenzene	156		12.036				ND	
123 trans-1,4-Dichloro-2-butene	53		12.048				ND	
124 1,2,3-Trichloropropane	110		12.073				ND	
125 N-Propylbenzene	91		12.109				ND	
126 2-Chlorotoluene	126		12.182				ND	
127 1,3,5-Trimethylbenzene	105		12.249				ND	
128 4-Chlorotoluene	126		12.280				ND	
129 tert-Butylbenzene	134		12.487				ND	
130 Pentachloroethane	167		12.518				ND	
131 1,2,4-Trimethylbenzene	105		12.530				ND	
132 sec-Butylbenzene	105		12.652				ND	
133 1,3-Dichlorobenzene	146		12.749				ND	
134 4-Isopropyltoluene	119		12.761				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	94	499487	10.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
136 1,4-Dichlorobenzene	146		12.822				ND	
137 1,2,3-Trimethylbenzene	120		12.835				ND	7
138 Benzyl chloride	126		12.896				ND	
139 n-Butylbenzene	92		13.048				ND	
140 1,2-Dichlorobenzene	146		13.078				ND	
141 Hexachloroethane	117		13.542				ND	
142 1,2-Dibromo-3-Chloropropane	155		13.621				ND	
143 1,3,5-Trichlorobenzene	180		13.749				ND	
144 1,2,4-Trichlorobenzene	180		14.170				ND	
145 Hexachlorobutadiene	225		14.249				ND	
146 Naphthalene	128		14.347				ND	
147 1,2,3-Trichlorobenzene	180		14.487				ND	
148 Dodecane	57		0.000				ND	
164 1-Chloropropane	1		0.000				ND	
219 1,1,1-Trifluoro-2,2-dichloroetha	1		0.000				ND	
220 1,2-Dichlorofluoroethane TIC	1		0.000				ND	
221 1,1,1-Trichloro-2,2,2-trifluoroe	1		0.000				ND	
163 Propene oxide	1		0.000				ND	
162 Chlorotrifluoroethene	1		0.000				ND	
222 Vinyl Fluoride TIC	1		0.000				ND	
225 1,1-Dichloro-1-fluoroethane TIC	1		0.000				ND	
218 Fluoromethane TIC	1		0.000				ND	
213 Chlorofluoromethane TIC	1		0.000				ND	
214 Dichloro-1,1,2,2-tetrafluoroetha	1		0.000				ND	
215 1-Chloro-1,1-difluoroethane TIC	1		0.000				ND	
216 Ethyl ether TIC	1		0.000				ND	
217 Freon 115 TIC	1		0.000				ND	
165 Isopropyl alcohol	45		0.000				ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000				ND	
161 Pentane	43		0.000				ND	
223 1,1,2-Trifluoroethane TIC	1		0.000				ND	
160 2-Bromo-1-chloropropane	1		0.000				ND	
159 tert-Butyl Formate	1		0.000				ND	
158 Methylal	1		0.000				ND	
157 t-Amyl alcohol	1		0.000				ND	
156 p-Diethylbenzene	1		0.000				ND	
155 2-Methylnaphthalene	142		0.000				ND	
154 1,1-Dichloro-1-fluoroethane	1		0.000				ND	
153 1-Bromo-3-Chloropropane	1		0.000				ND	
152 n-Decane	57		0.000				ND	
151 1,1-Dichloroacetone	1		0.000				ND	
166 Ethanol	45		3.269				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

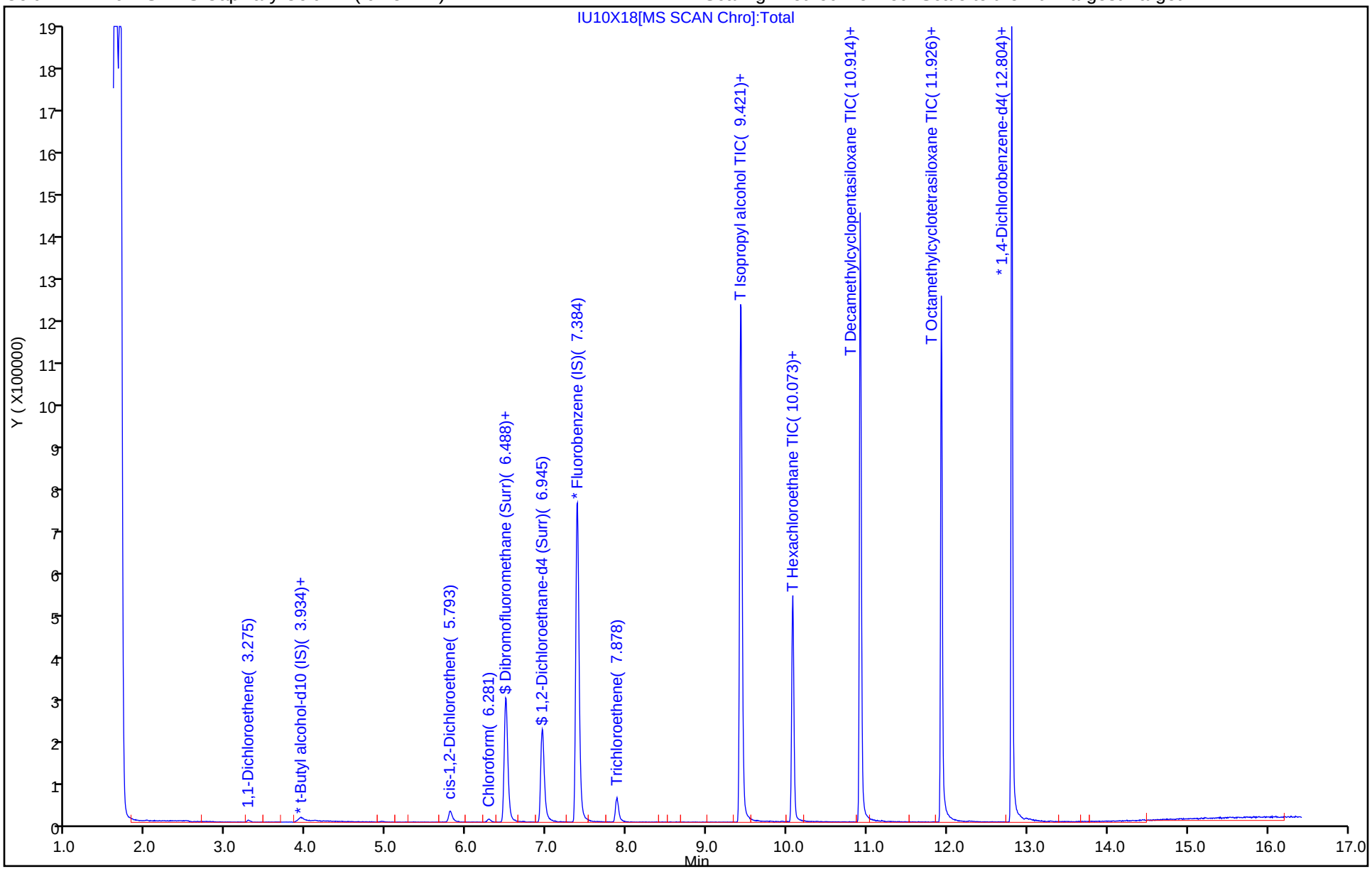
MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 11-Jun-2024 07:54:58 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X18.D				
Injection Date:	10-Jun-2024 16:11:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	410-174025-A-6	Lab Sample ID:	410-174025-6	Worklist Smp#:	19
Client ID:	HD-COD-SW-15-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X18.D				
Lims ID:	410-174025-A-6				
Client ID:	HD-COD-SW-15-0/1-0				
Sample Type:	Client				
Inject. Date:	10-Jun-2024 16:11:30	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0116210-019				
Operator ID:	knk41612	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	11-Jun-2024 07:52:16	Calib Date:	29-Feb-2024 01:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1691				

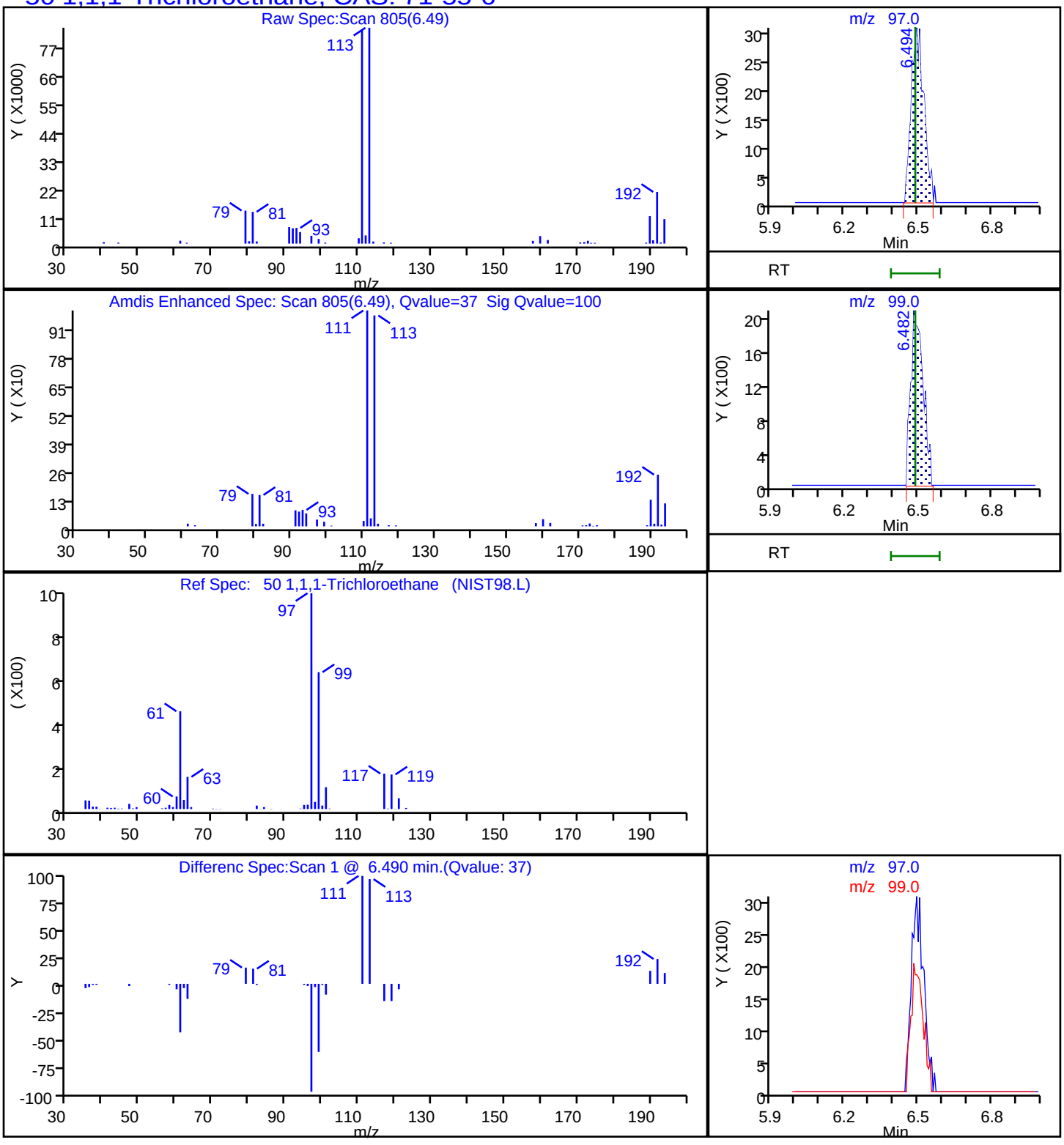
First Level Reviewer: FQ4L Date: 11-Jun-2024 07:54:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.7	107.40
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	104.47
$ 78 Toluene-d8 (Surr)	10.0	9.58	95.76
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.49	94.86

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X18.D				
Injection Date:	10-Jun-2024 16:11:30	Instrument ID:	19930		
Lims ID:	410-174025-A-6	Lab Sample ID:	410-174025-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

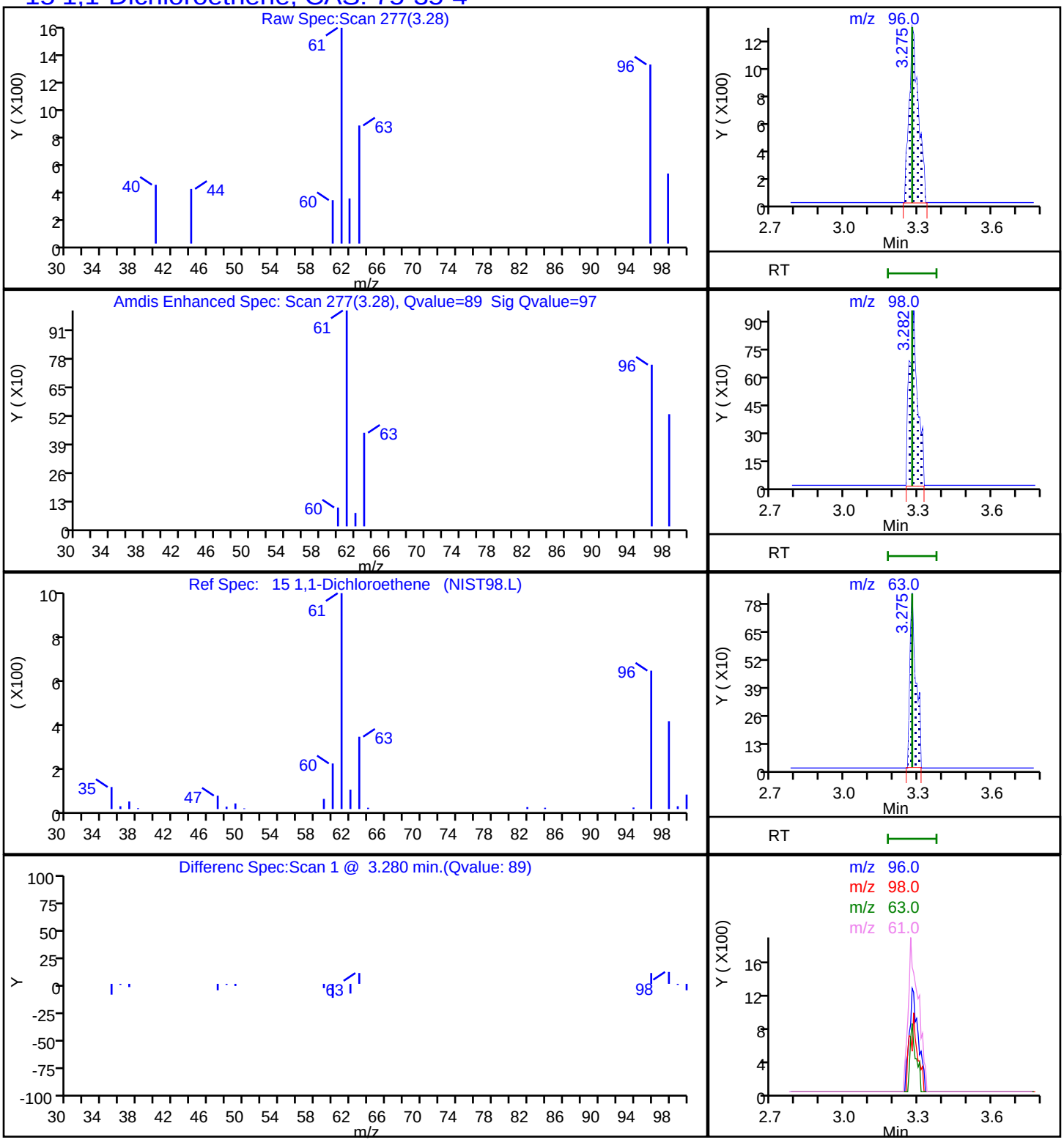
50 1,1,1-Trichloroethane, CAS: 71-55-6



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X18.D				
Injection Date:	10-Jun-2024 16:11:30	Instrument ID:	19930		
Lims ID:	410-174025-A-6	Lab Sample ID:	410-174025-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

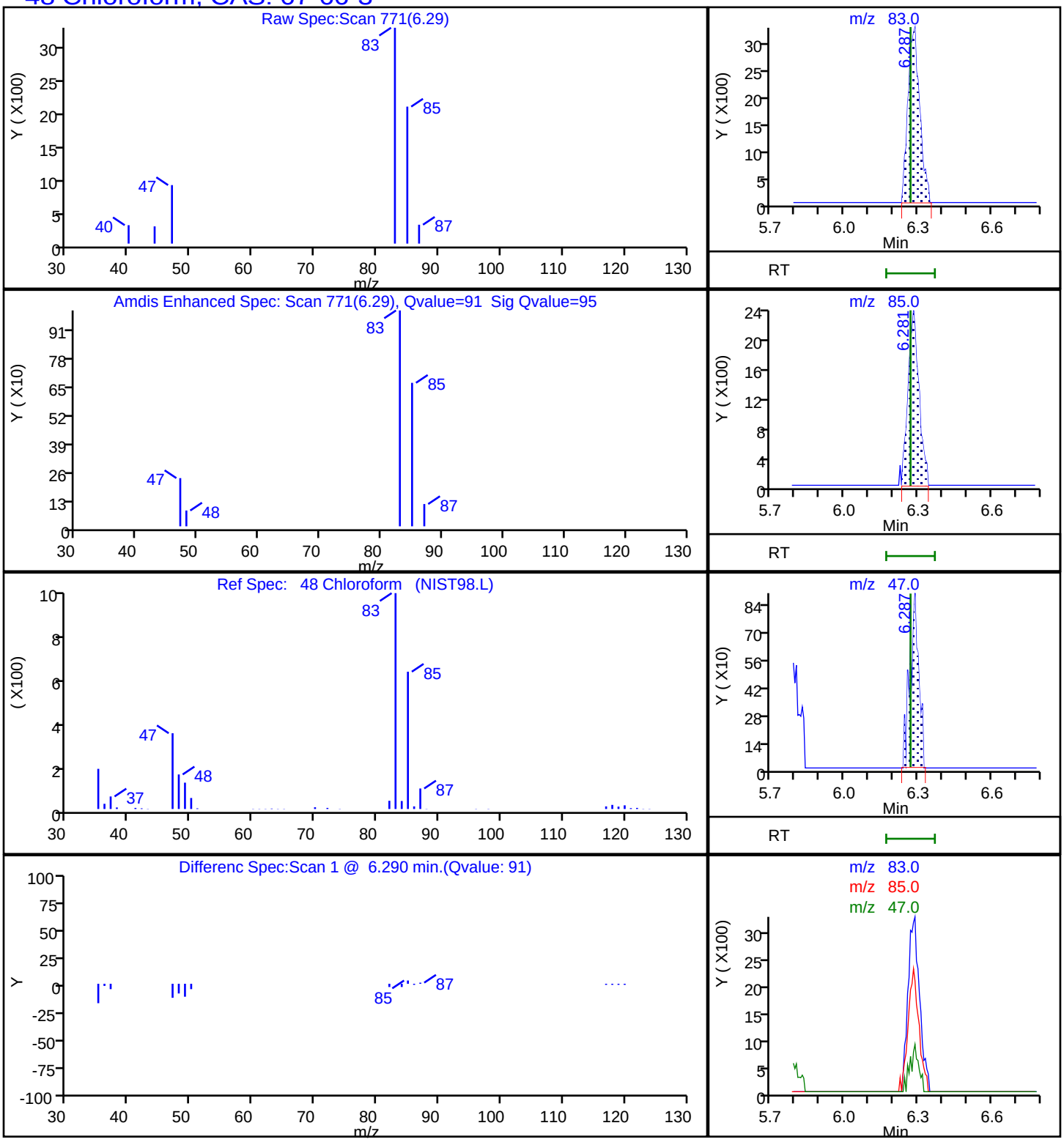
15 1,1-Dichloroethene, CAS: 75-35-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X18.D				
Injection Date:	10-Jun-2024 16:11:30	Instrument ID:	19930		
Lims ID:	410-174025-A-6	Lab Sample ID:	410-174025-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

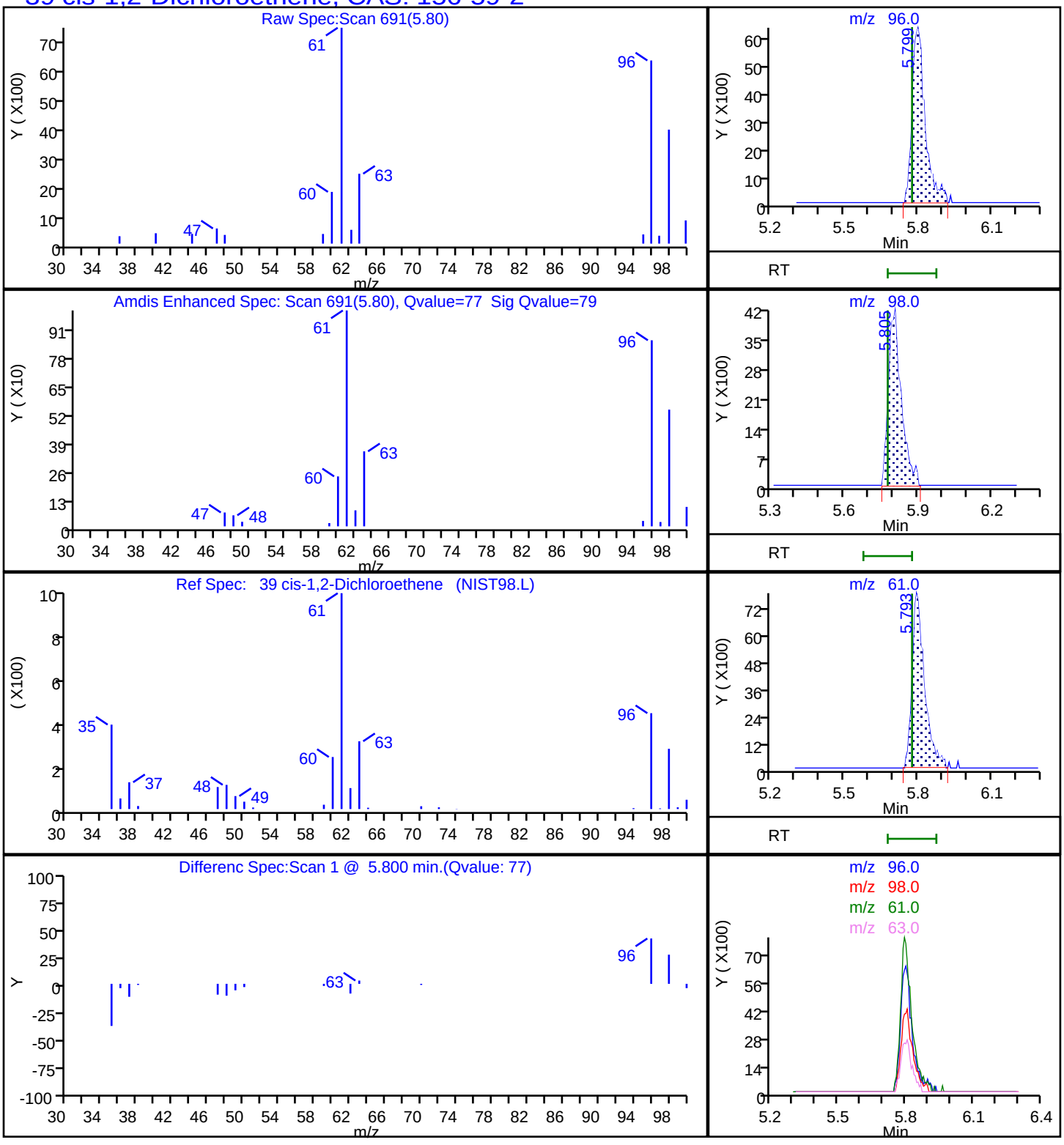
48 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X18.D				
Injection Date:	10-Jun-2024 16:11:30	Instrument ID:	19930		
Lims ID:	410-174025-A-6	Lab Sample ID:	410-174025-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

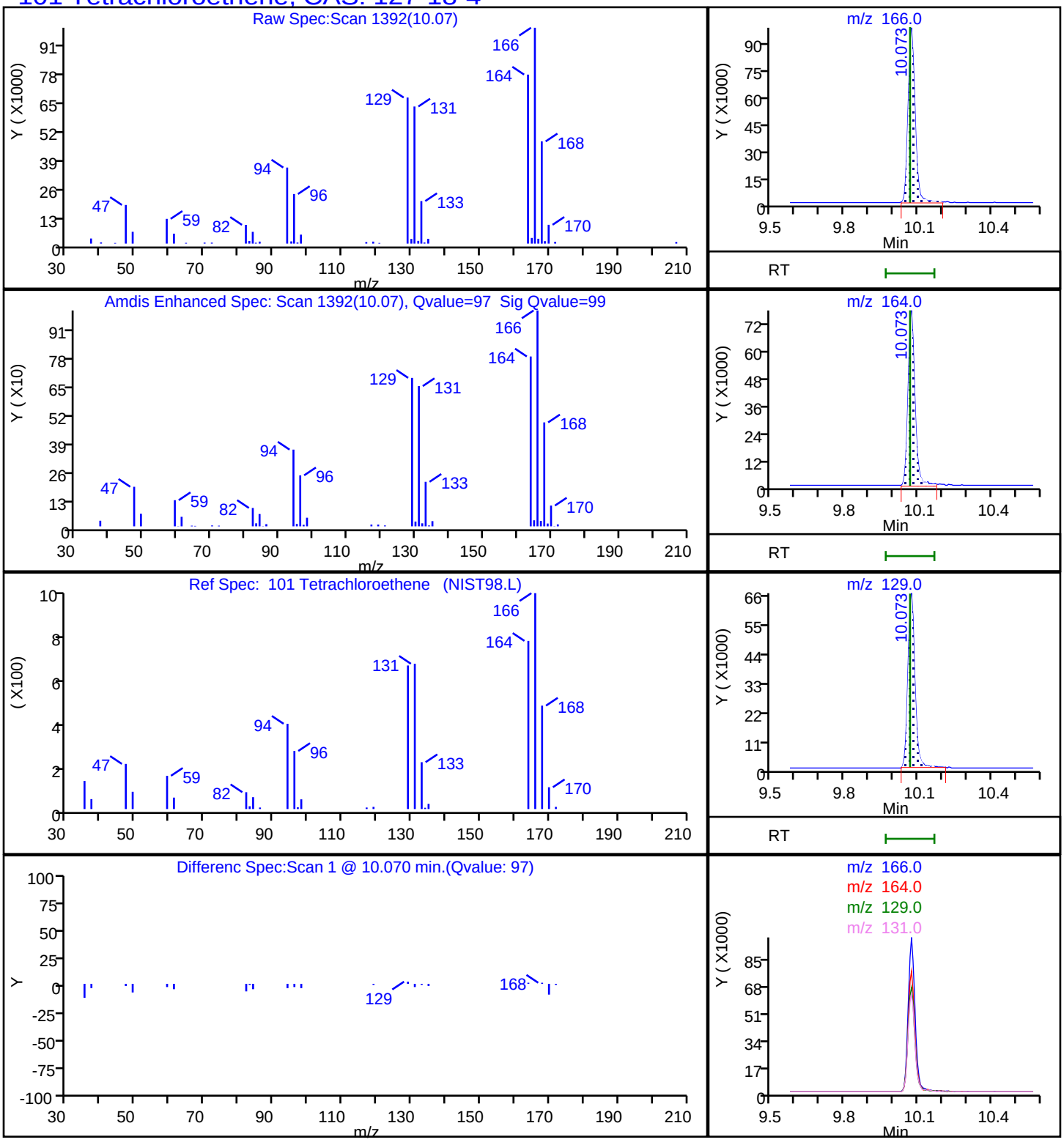
39 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X18.D
Injection Date: 10-Jun-2024 16:11:30 Instrument ID: 19930
Lims ID: 410-174025-A-6 Lab Sample ID: 410-174025-6
Client ID: HD-COD-SW-15-0/1-0
Operator ID: knk41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

101 Tetrachloroethene, CAS: 127-18-4

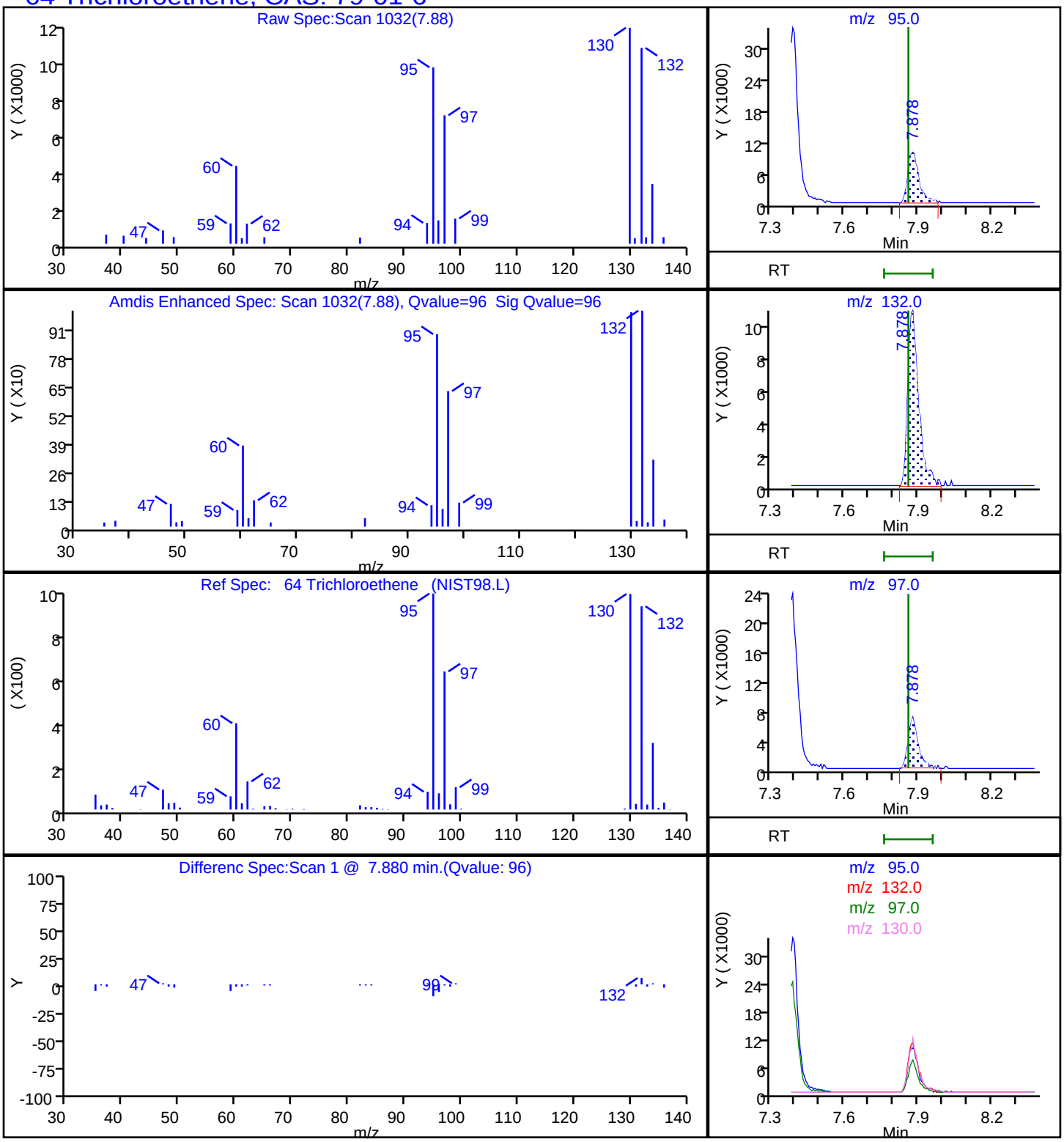


Report Date: 11-Jun-2024 07:54:59 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X18.D				
Injection Date:	10-Jun-2024 16:11:30	Instrument ID:	19930		
Lims ID:	410-174025-A-6	Lab Sample ID:	410-174025-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

64 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-16-0/1-0
Lab Sample ID: 410-174025-7

Matrix: Water
Lab File ID: IU10X21.D

Analysis Method: 8260D
Date Collected: 05/30/2024 09:50

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 17:15

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	1.4		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-16-0/1-0
Lab Sample ID: 410-174025-7

Matrix: Water
Lab File ID: IU10X21.D

Analysis Method: 8260D
Date Collected: 05/30/2024 09:50

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 17:15

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.13	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	107		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\19930\20240610-116210.b\IU10X21.D
Lims ID: 410-174025-A-7
Client ID: HD-COD-SW-16-0/1-0
Sample Type: Client
Inject. Date: 10-Jun-2024 17:15:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-022
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 08:01:45 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 08:01:45

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	4 Chloromethane	50		2.001				ND	
	5 Vinyl chloride	62		2.111				ND	
	7 Bromomethane	94		2.416				ND	
	8 Chloroethane	64		2.489				ND	
	15 1,1-Dichloroethene	96		3.276				ND	
	16 Acetone	43		3.306				ND	
	20 Carbon disulfide	76	3.562	3.556	0.006	54	3102	0.0370	
	25 Methylene Chloride	84		3.891				ND	
*	26 t-Butyl alcohol-d10 (IS)	65	3.928	3.903	0.025	22	83606	50.0	
	29 Methyl tert-butyl ether	73		4.263				ND	
	30 trans-1,2-Dichloroethene	96		4.281				ND	
	32 1,1-Dichloroethane	63		4.940				ND	
	38 2-Butanone (MEK)	43		5.757				ND	
	39 cis-1,2-Dichloroethene	96		5.775				ND	
	46 Chlorobromomethane	128		6.116				ND	
	48 Chloroform	83	6.281	6.269	0.012	40	3029	0.0511	
$	49 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	94	280233	10.7	
	50 1,1,1-Trichloroethane	97		6.488				ND	U
	54 Carbon tetrachloride	117		6.714				ND	
$	56 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.933	0.013	62	54313	10.0	
	57 Benzene	78		6.970				ND	
	58 1,2-Dichloroethane	62		7.043				ND	
*	61 Fluorobenzene (IS)	96	7.385	7.378	0.007	99	1090052	10.0	
	64 Trichloroethene	95	7.872	7.860	0.012	88	4613	0.1295	
	66 1,2-Dichloropropane	63		8.189				ND	
	71 Dichlorobromomethane	83		8.537				ND	
	76 cis-1,3-Dichloropropene	75		9.098				ND	
	77 4-Methyl-2-pentanone (MIBK)	43		9.280				ND	7
$	78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1102836	9.80	
	79 Toluene	92	9.518	9.500	0.018	86	3690	0.0405	
	97 trans-1,3-Dichloropropene	75		9.774				ND	
	100 1,1,2-Trichloroethane	97		9.982				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.073	10.067	0.006	97	60427	1.38	
103 2-Hexanone	43		10.201				ND	
105 Chlorodibromomethane	129		10.366				ND	
106 Ethylene Dibromide	107		10.475				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	856148	10.0	
109 Chlorobenzene	112		10.939				ND	
111 1,1,1,2-Tetrachloroethane	131		11.024				ND	
112 Ethylbenzene	91		11.030				ND	
113 m-Xylene & p-Xylene	106		11.146				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	94	401633	9.67	
121 1,1,2,2-Tetrachloroethane	83		12.024				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	94	502012	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

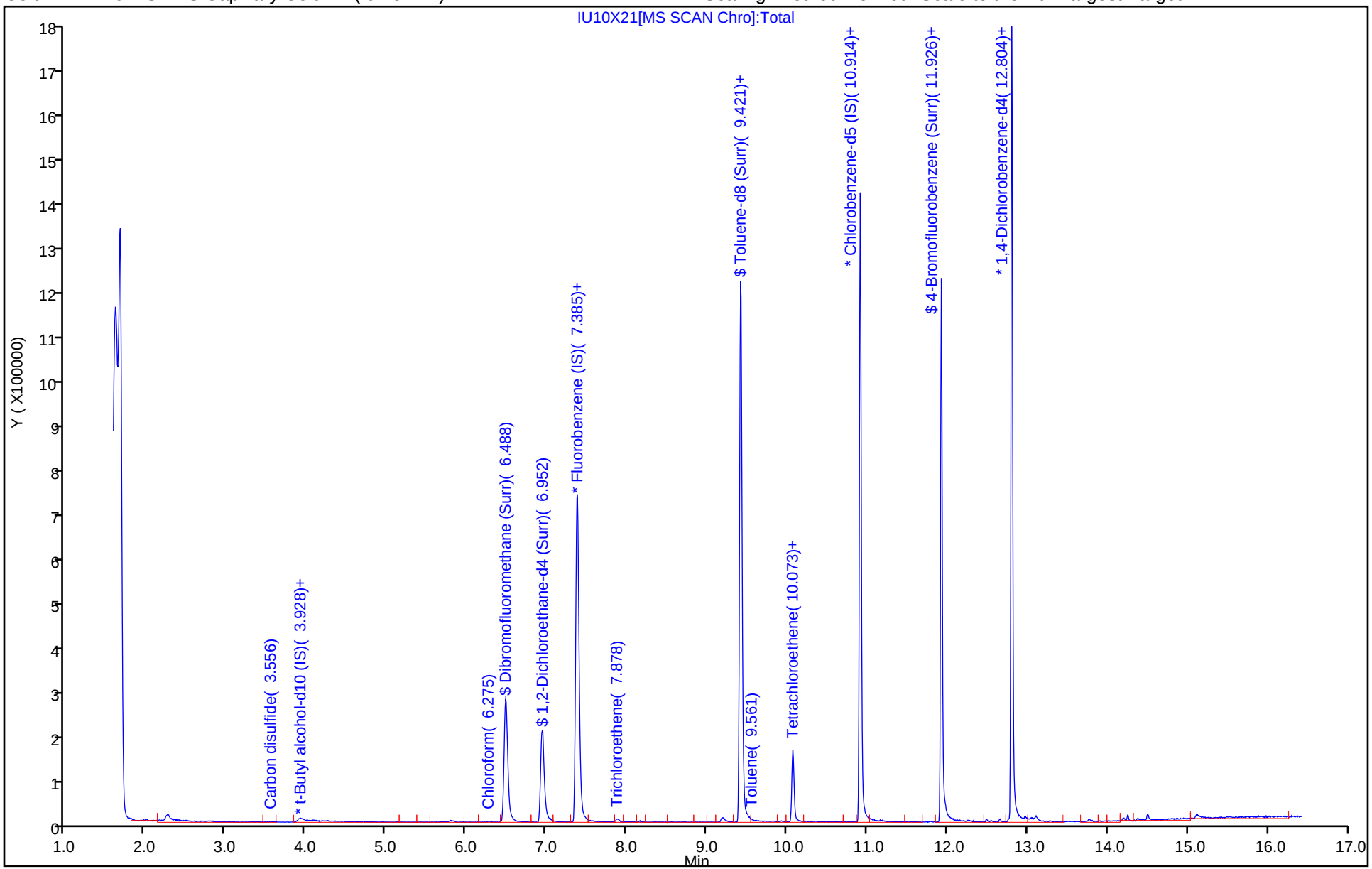
MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 11-Jun-2024 08:01:46 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X21.D				
Injection Date:	10-Jun-2024 17:15:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	410-174025-A-7	Lab Sample ID:	410-174025-7	Worklist Smp#:	22
Client ID:	HD-COD-SW-16-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X21.D				
Lims ID:	410-174025-A-7				
Client ID:	HD-COD-SW-16-0/1-0				
Sample Type:	Client				
Inject. Date:	10-Jun-2024 17:15:30	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0116210-022				
Operator ID:	knk41612	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	11-Jun-2024 08:01:45	Calib Date:	29-Feb-2024 01:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1691				

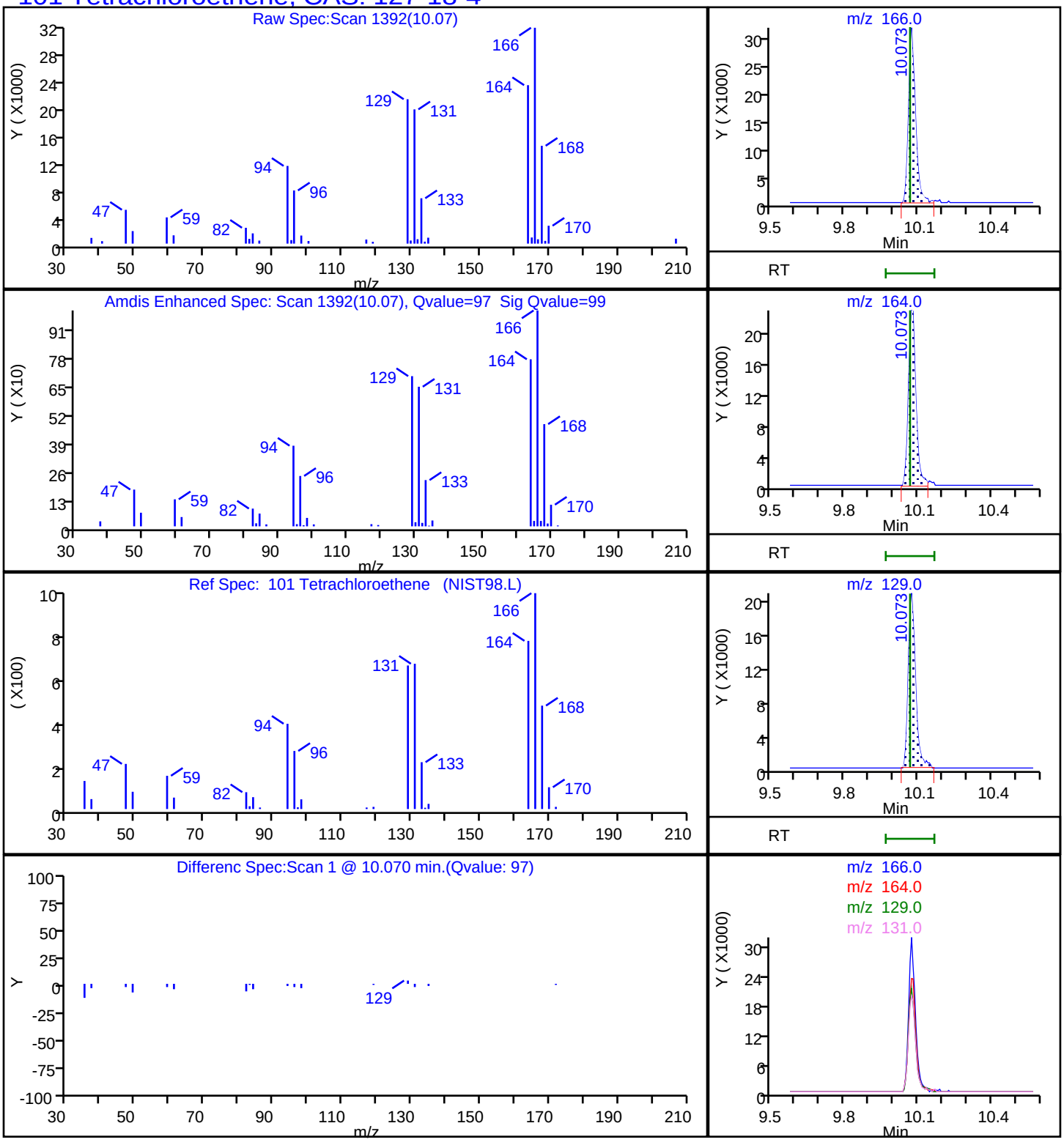
First Level Reviewer: FQ4L Date: 11-Jun-2024 08:01:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.7	106.84
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.33
$ 78 Toluene-d8 (Surr)	10.0	9.80	98.01
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.67	96.71

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X21.D				
Injection Date:	10-Jun-2024 17:15:30	Instrument ID:	19930		
Lims ID:	410-174025-A-7	Lab Sample ID:	410-174025-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

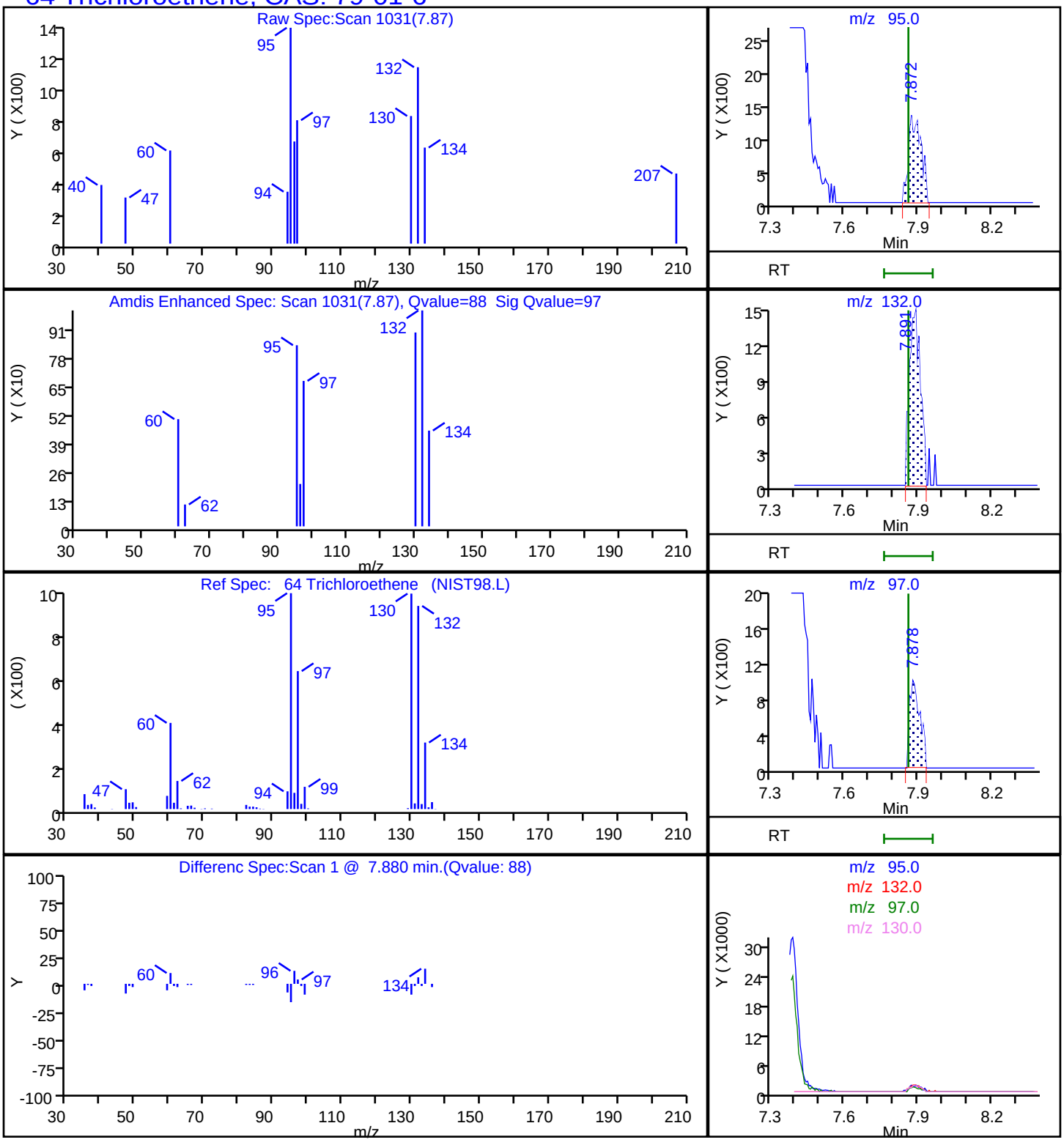
101 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X21.D				
Injection Date:	10-Jun-2024 17:15:30	Instrument ID:	19930		
Lims ID:	410-174025-A-7	Lab Sample ID:	410-174025-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

64 Trichloroethene, CAS: 79-01-6



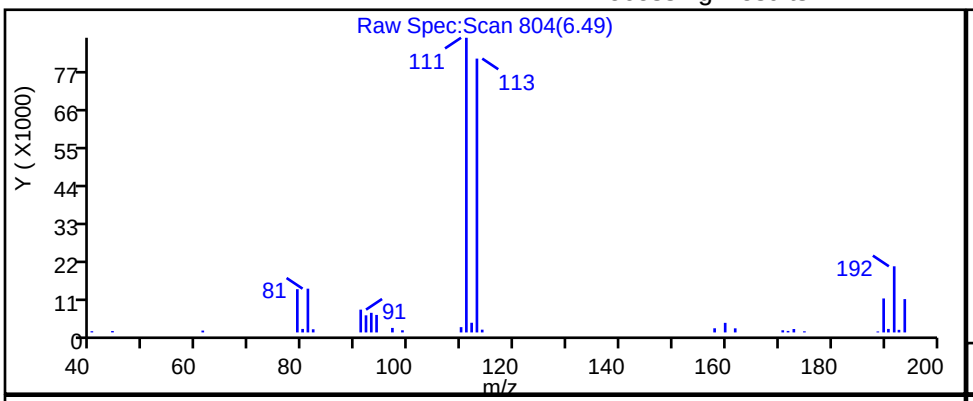
User Disabled Compound Report

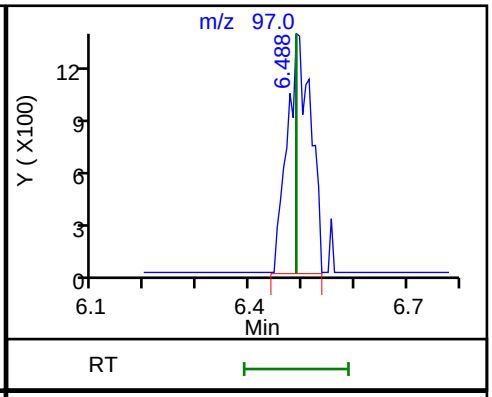
Eurofins Lancaster Laboratories Environment Testing, LLC

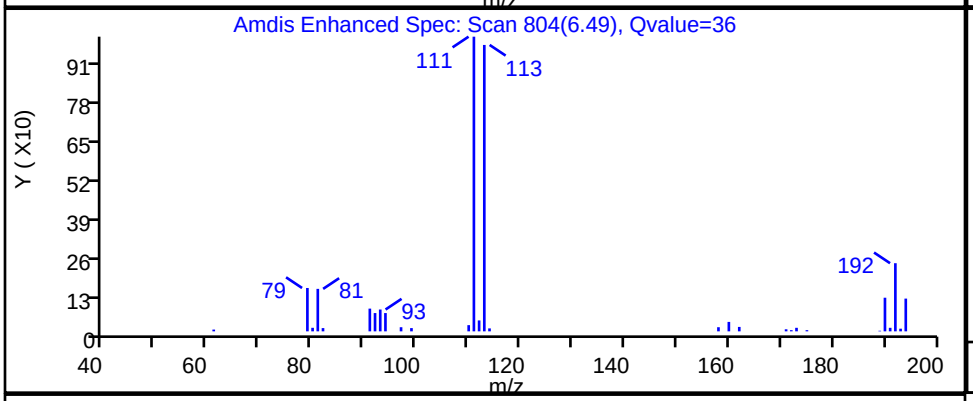
Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X21.D				
Injection Date:	10-Jun-2024 17:15:30	Instrument ID:	19930		
Lims ID:	410-174025-A-7	Lab Sample ID:	410-174025-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

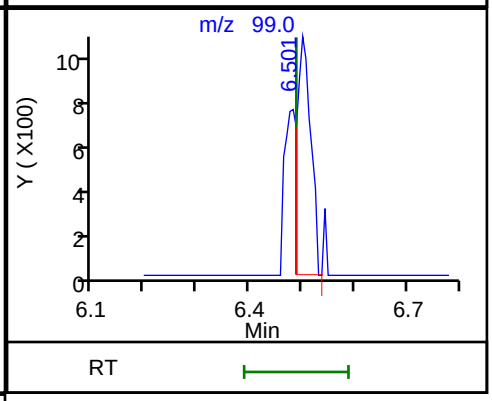
50 1,1,1-Trichloroethane, CAS: 71-55-6

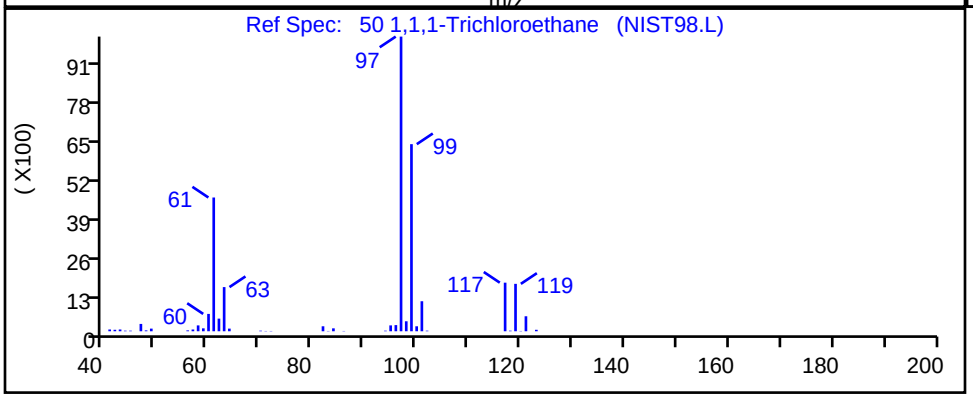
Processing Results











RT	Mass	Response	Amount
6.49	97.00	4142	0.080153
6.50	99.00	1825	

Reviewer: FQ4L, 11-Jun-2024 08:01:21 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.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0
Lab Sample ID: 410-174025-8

Matrix: Water
Lab File ID: IU10X29.D

Analysis Method: 8260D
Date Collected: 05/30/2024 10:00

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 20:02

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.2		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	0.82		0.50	0.10
75-35-4	1,1-Dichloroethene	0.34	J	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.11	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	1.7		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
108-88-3	Toluene	ND		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0
Lab Sample ID: 410-174025-8

Matrix: Water
Lab File ID: IU10X29.D

Analysis Method: 8260D
Date Collected: 05/30/2024 10:00

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 20:02

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	1.8		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	107		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X29.D
Lims ID: 410-174025-A-8
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 10-Jun-2024 20:02:30 ALS Bottle#: 29 Worklist Smp#: 30
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-030
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 08:32:43 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 08:32:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.001				ND	
5 Vinyl chloride	62		2.111				ND	7
7 Bromomethane	94		2.416				ND	
8 Chloroethane	64		2.489				ND	
15 1,1-Dichloroethene	96	3.275	3.276	-0.001	96	8991	0.3398	
16 Acetone	43		3.306				ND	7
20 Carbon disulfide	76		3.556				ND	7
25 Methylene Chloride	84		3.891				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.928	3.903	0.025	22	88278	50.0	
29 Methyl tert-butyl ether	73		4.263				ND	7
30 trans-1,2-Dichloroethene	96		4.281				ND	7
32 1,1-Dichloroethane	63	4.946	4.940	0.006	96	46898	0.8217	
38 2-Butanone (MEK)	43		5.757				ND	
39 cis-1,2-Dichloroethene	96	5.799	5.775	0.024	80	59077	1.72	
46 Chlorobromomethane	128		6.116				ND	
48 Chloroform	83	6.287	6.269	0.018	87	6515	0.1145	
$ 49 Dibromofluoromethane (Surr)	113	6.494	6.482	0.012	94	270252	10.7	
50 1,1,1-Trichloroethane	97	6.500	6.488	0.012	96	256593	5.18	
54 Carbon tetrachloride	117		6.714				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.945	6.933	0.012	62	54530	10.5	
57 Benzene	78		6.970				ND	
58 1,2-Dichloroethane	62		7.043				ND	
* 61 Fluorobenzene (IS)	96	7.384	7.378	0.006	99	1045086	10.0	
64 Trichloroethene	95	7.872	7.860	0.012	96	61297	1.80	
66 1,2-Dichloropropane	63		8.189				ND	
71 Dichlorobromomethane	83		8.537				ND	
76 cis-1,3-Dichloropropene	75		9.098				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.280				ND	
$ 78 Toluene-d8 (Surr)	98	9.427	9.421	0.006	93	1066590	9.61	
79 Toluene	92		9.500				ND	7
97 trans-1,3-Dichloropropene	75		9.774				ND	
100 1,1,2-Trichloroethane	97		9.982				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.073	10.067	0.006	98	3531599	81.8	E
103 2-Hexanone	43		10.201				ND	
105 Chlorodibromomethane	129		10.366				ND	
106 Ethylene Dibromide	107		10.475				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	844765	10.0	
109 Chlorobenzene	112		10.939				ND	
111 1,1,1,2-Tetrachloroethane	131		11.024				ND	
112 Ethylbenzene	91		11.030				ND	
113 m-Xylene & p-Xylene	106		11.146				ND	
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	94	392624	9.58	
121 1,1,2,2-Tetrachloroethane	83		12.024				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	94	490427	10.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

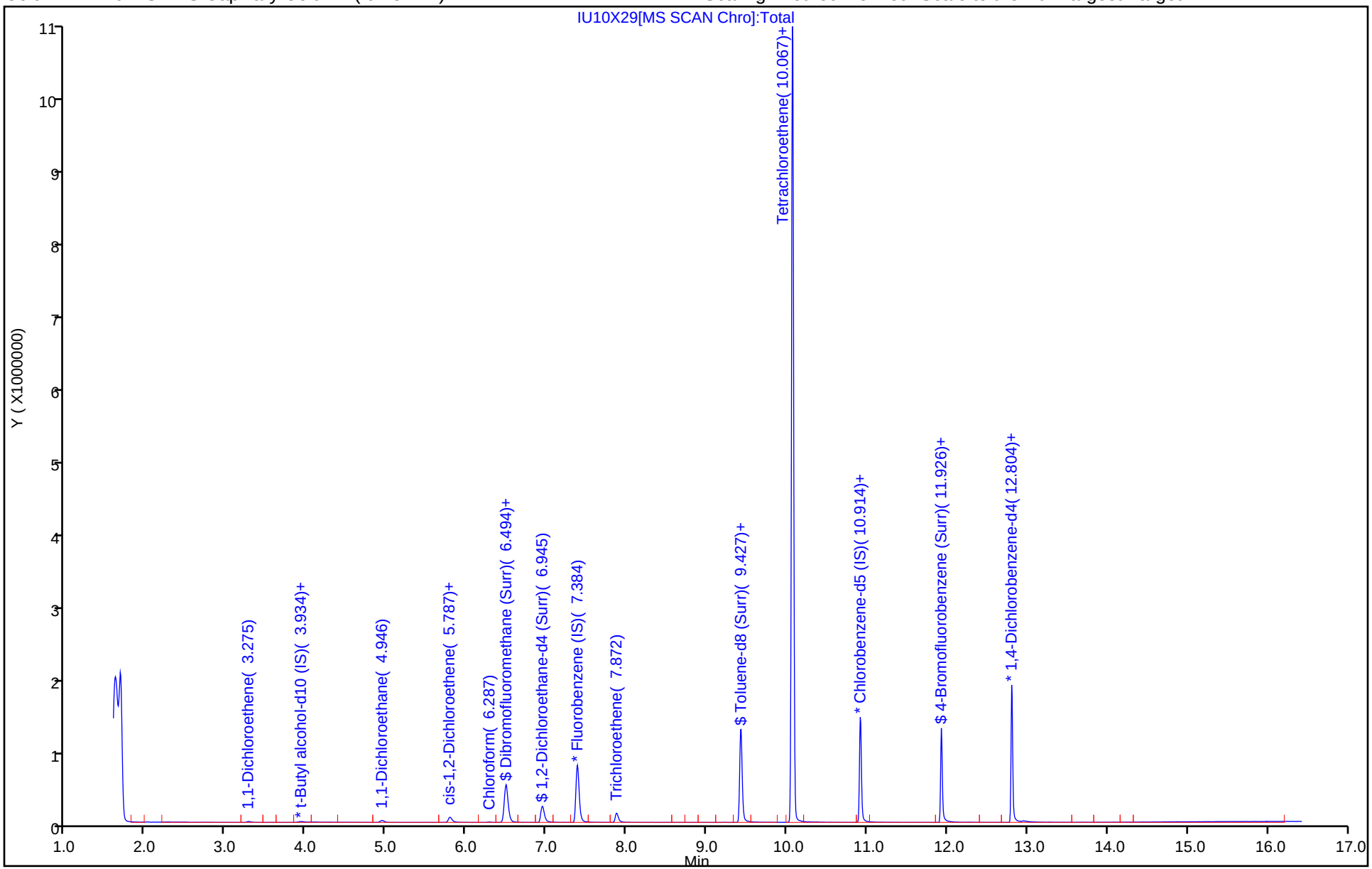
MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 11-Jun-2024 08:32:43 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X29.D				
Injection Date:	10-Jun-2024 20:02:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	410-174025-A-8	Lab Sample ID:	410-174025-8	Worklist Smp#:	30
Client ID:	HD-COD-SW-17-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X29.D
Lims ID: 410-174025-A-8
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 10-Jun-2024 20:02:30 ALS Bottle#: 29 Worklist Smp#: 30
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-030
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 08:32:43 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 08:32:43

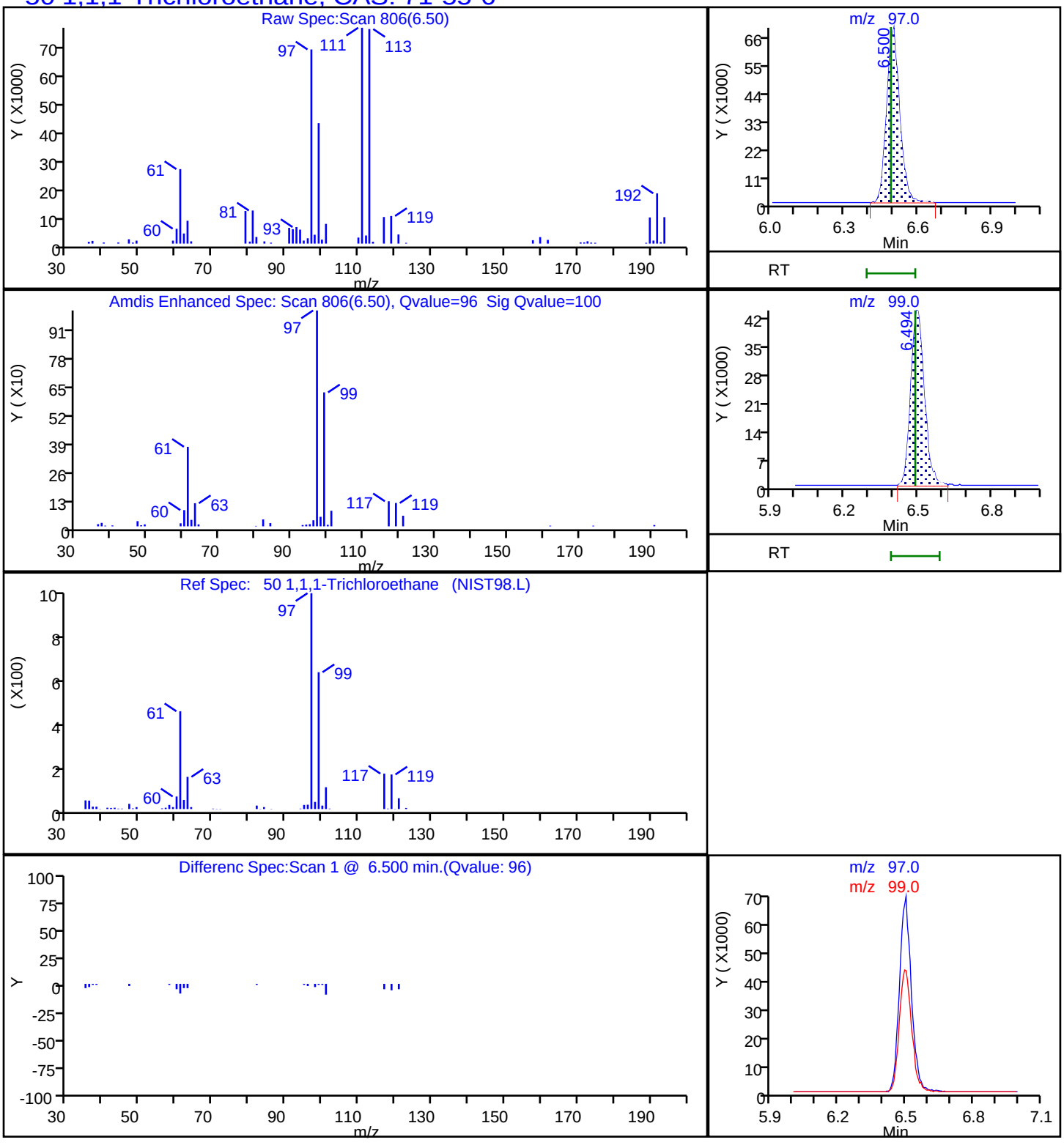
Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.7	107.47
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	105.07
$ 78 Toluene-d8 (Surr)	10.0	9.61	96.07
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.58	95.81

Report Date: 11-Jun-2024 08:32:44 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X29.D				
Injection Date:	10-Jun-2024 20:02:30	Instrument ID:	19930		
Lims ID:	410-174025-A-8	Lab Sample ID:	410-174025-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	29	Worklist Smp#:	30
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

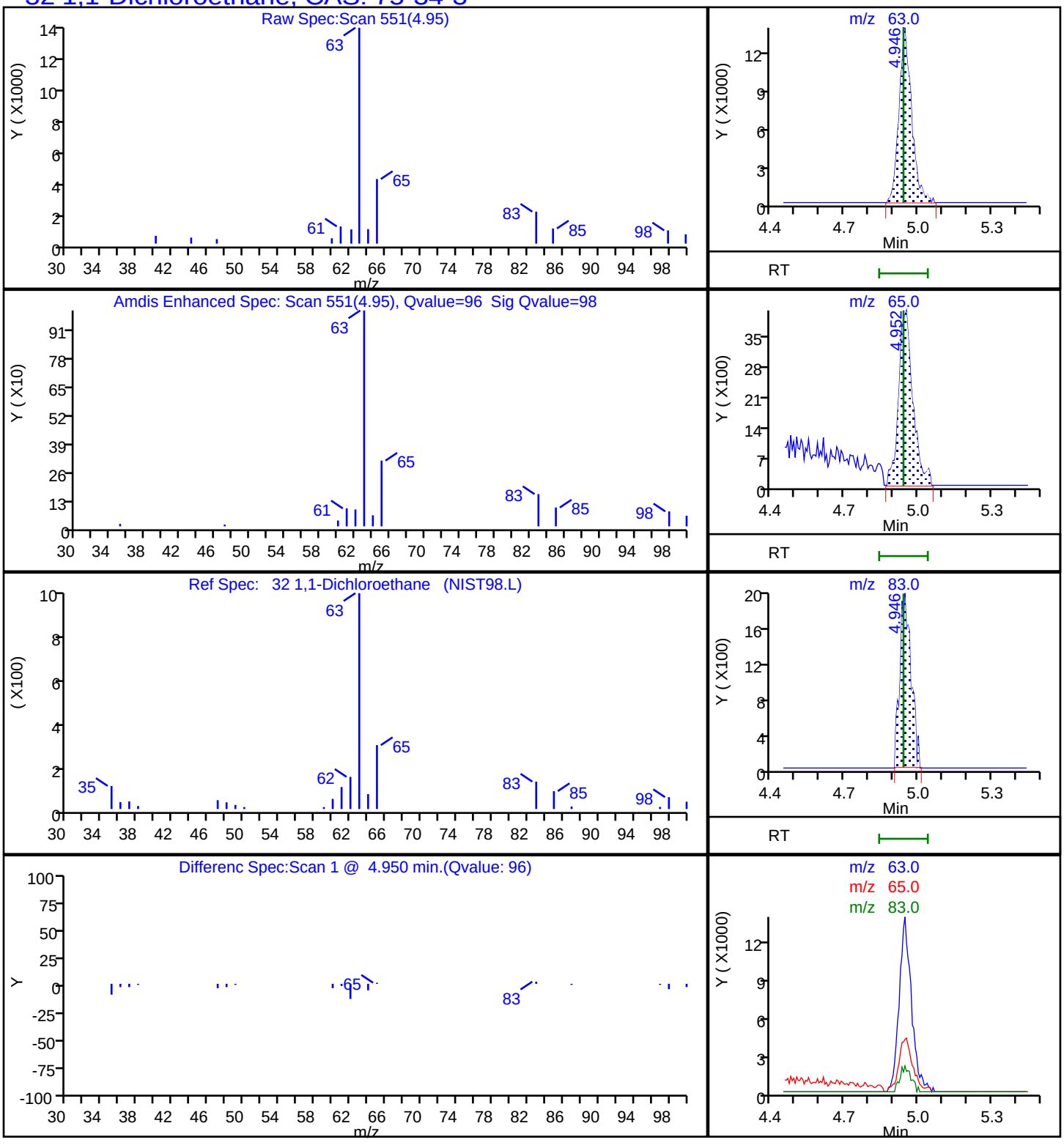
50 1,1,1-Trichloroethane, CAS: 71-55-6



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X29.D				
Injection Date:	10-Jun-2024 20:02:30	Instrument ID:	19930		
Lims ID:	410-174025-A-8	Lab Sample ID:	410-174025-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	29	Worklist Smp#:	30
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

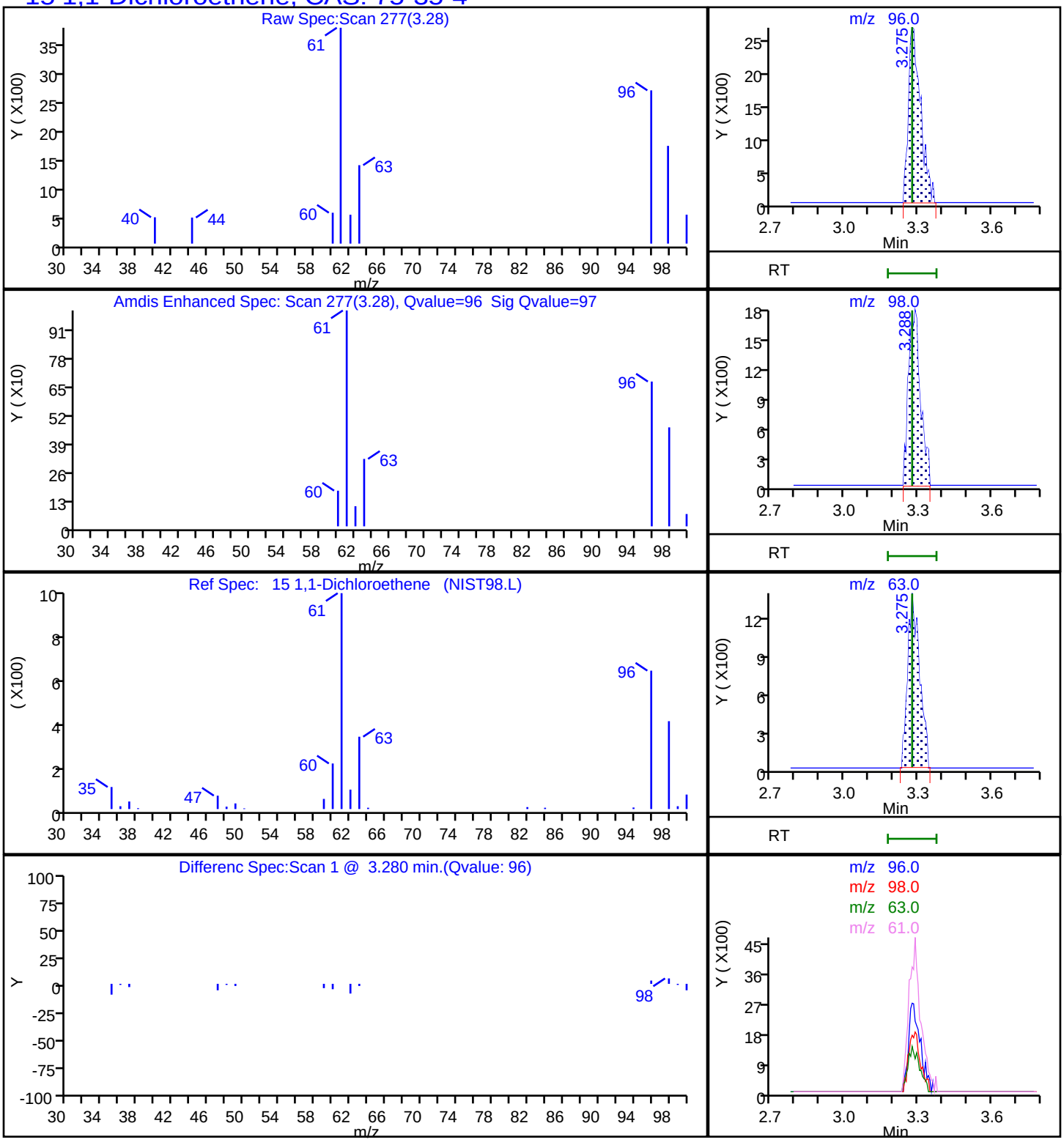
32 1,1-Dichloroethane, CAS: 75-34-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X29.D				
Injection Date:	10-Jun-2024 20:02:30	Instrument ID:	19930		
Lims ID:	410-174025-A-8	Lab Sample ID:	410-174025-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	29	Worklist Smp#:	30
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

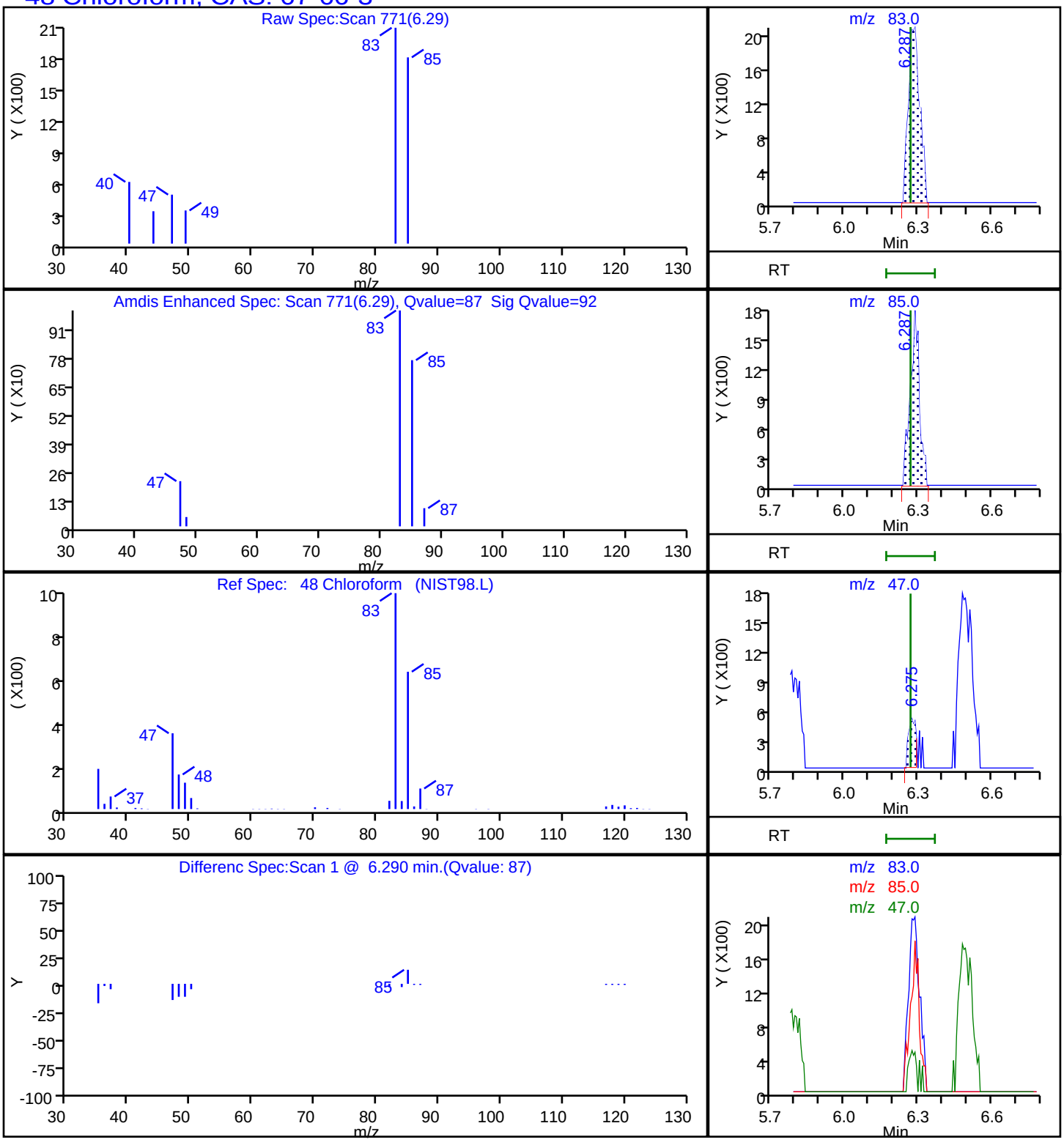
15 1,1-Dichloroethene, CAS: 75-35-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X29.D				
Injection Date:	10-Jun-2024 20:02:30	Instrument ID:	19930		
Lims ID:	410-174025-A-8	Lab Sample ID:	410-174025-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	29	Worklist Smp#:	30
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

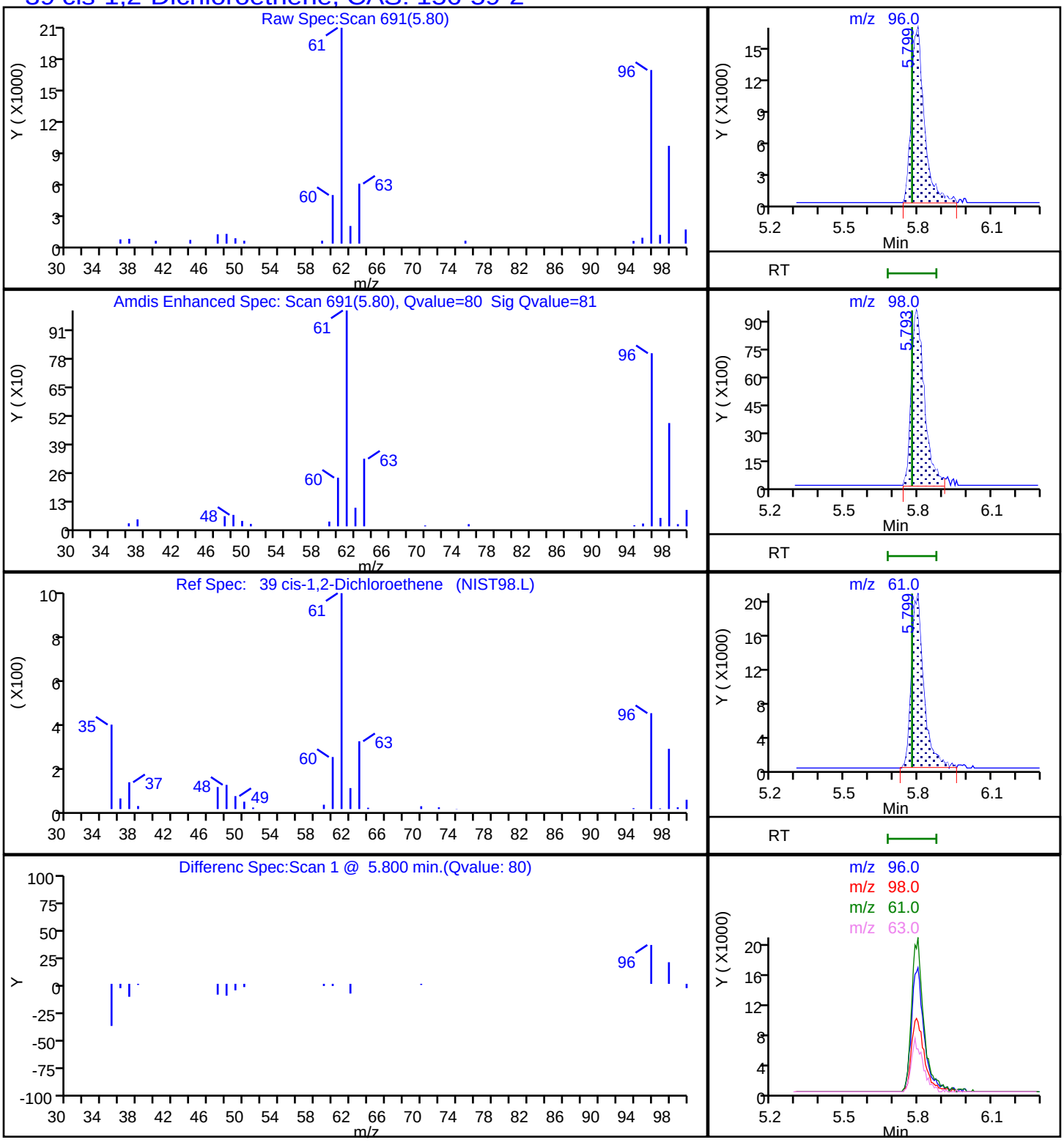
48 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X29.D				
Injection Date:	10-Jun-2024 20:02:30	Instrument ID:	19930		
Lims ID:	410-174025-A-8	Lab Sample ID:	410-174025-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	29	Worklist Smp#:	30
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

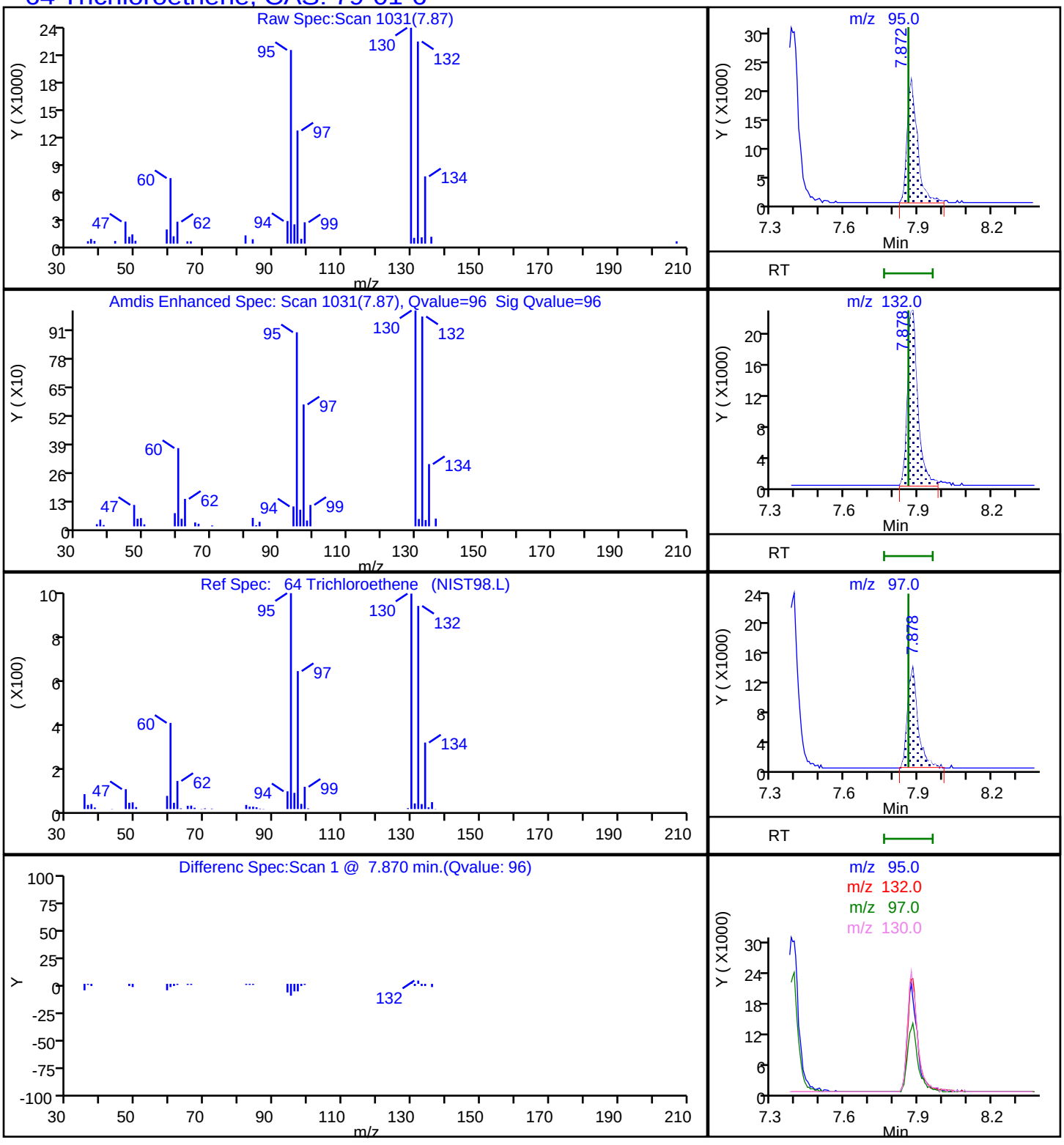
39 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X29.D				
Injection Date:	10-Jun-2024 20:02:30	Instrument ID:	19930		
Lims ID:	410-174025-A-8	Lab Sample ID:	410-174025-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	29	Worklist Smp#:	30
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

64 Trichloroethene, CAS: 79-01-6



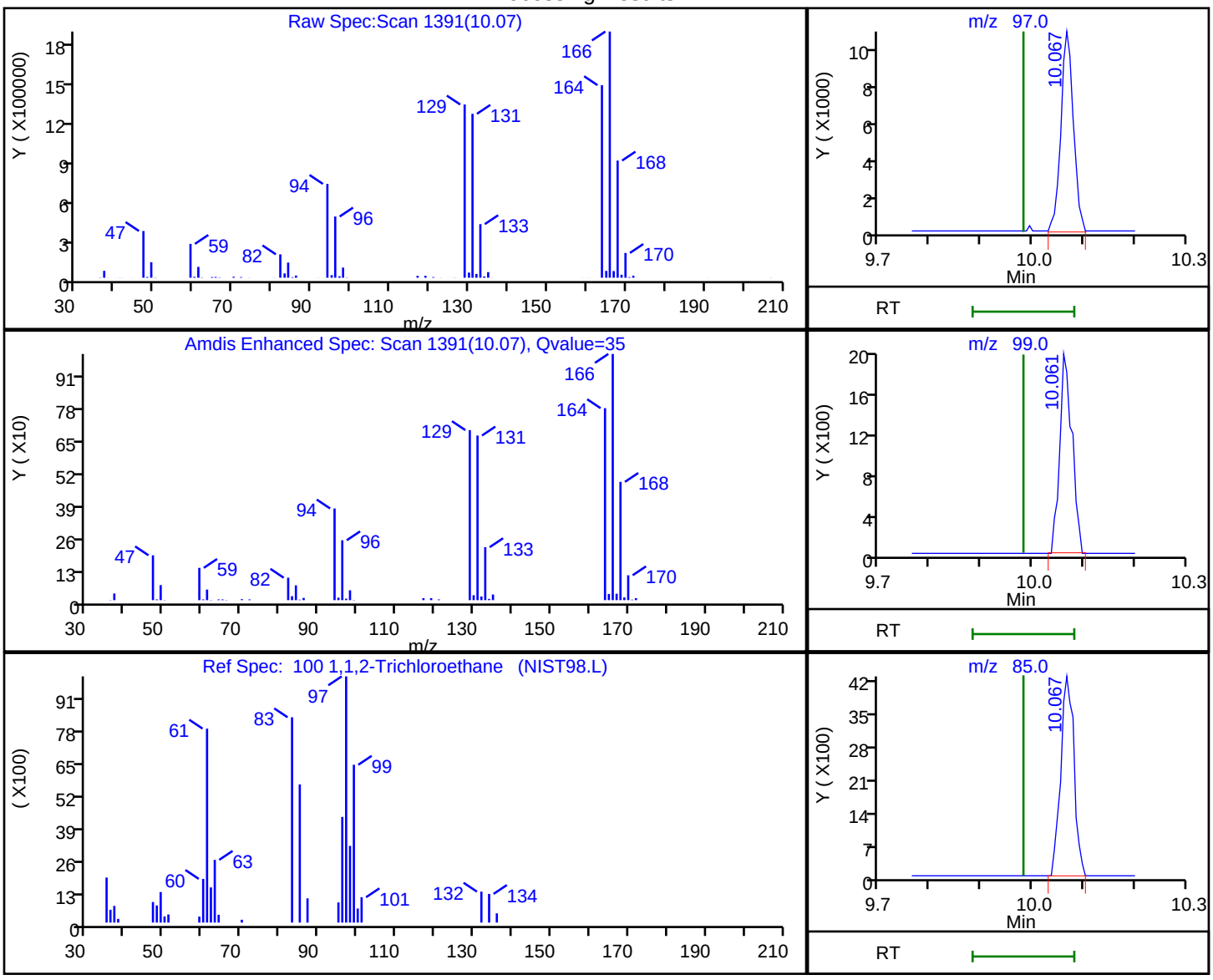
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X29.D				
Injection Date:	10-Jun-2024 20:02:30	Instrument ID:	19930		
Lims ID:	410-174025-A-8	Lab Sample ID:	410-174025-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	29	Worklist Smp#:	30
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

100 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
10.07	97.00	18566	0.749779
10.06	99.00	3287	
10.07	85.00	7618	
10.07	83.00	54571	

Reviewer: FQ4L, 11-Jun-2024 08:32:17 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.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0 DL
Lab Sample ID: 410-174025-8 DL

Matrix: Water
Lab File ID: IU10X30.D

Analysis Method: 8260D
Date Collected: 05/30/2024 10:00

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 20:23

Soil Aliquot Vol:
Dilution Factor: 10

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	67		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	110		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X30.D
Lims ID: 410-174025-B-8 DL
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 10-Jun-2024 20:23:30 ALS Bottle#: 30 Worklist Smp#: 31
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0116210-031
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 08:32:43 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 08:33:52

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	4 Chloromethane	50		2.001				ND	
	5 Vinyl chloride	62		2.111				ND	
	7 Bromomethane	94		2.416				ND	
	8 Chloroethane	64		2.489				ND	
	15 1,1-Dichloroethene	96		3.276				ND	7
	16 Acetone	43		3.306				ND	
	20 Carbon disulfide	76		3.556				ND	
	25 Methylene Chloride	84		3.891				ND	
*	26 t-Butyl alcohol-d10 (IS)	65	3.928	3.903	0.025	22	84519	50.0	
	29 Methyl tert-butyl ether	73		4.263				ND	
	30 trans-1,2-Dichloroethene	96		4.281				ND	
	32 1,1-Dichloroethane	63		4.940				ND	
	38 2-Butanone (MEK)	43		5.757				ND	
	39 cis-1,2-Dichloroethene	96	5.805	5.775	0.030	76	6507	0.1904	
	46 Chlorobromomethane	128		6.116				ND	
	48 Chloroform	83		6.269				ND	7
$	49 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	94	274574	11.0	
	50 1,1,1-Trichloroethane	97	6.494	6.488	0.006	39	21580	0.4373	
	54 Carbon tetrachloride	117		6.714				ND	
$	56 1,2-Dichloroethane-d4 (Surr)	102	6.945	6.933	0.012	62	53614	10.4	
	57 Benzene	78		6.970				ND	
	58 1,2-Dichloroethane	62		7.043				ND	
*	61 Fluorobenzene (IS)	96	7.384	7.378	0.006	99	1040939	10.0	
	64 Trichloroethene	95	7.890	7.860	0.030	90	5002	0.1471	
	66 1,2-Dichloropropane	63		8.189				ND	
	71 Dichlorobromomethane	83		8.537				ND	
	76 cis-1,3-Dichloropropene	75		9.098				ND	
	77 4-Methyl-2-pentanone (MIBK)	43		9.280				ND	
$	78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1062015	9.58	
	79 Toluene	92		9.500				ND	
	97 trans-1,3-Dichloropropene	75		9.774				ND	
	100 1,1,2-Trichloroethane	97		9.982				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.073	10.067	0.006	98	289969	6.72	
103 2-Hexanone	43		10.201				ND	
105 Chlorodibromomethane	129		10.366				ND	
106 Ethylene Dibromide	107		10.475				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	843871	10.0	
109 Chlorobenzene	112		10.939				ND	
111 1,1,1,2-Tetrachloroethane	131		11.024				ND	
112 Ethylbenzene	91		11.030				ND	
113 m-Xylene & p-Xylene	106		11.146				ND	
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	95	389579	9.52	
121 1,1,2,2-Tetrachloroethane	83		12.024				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	94	495371	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

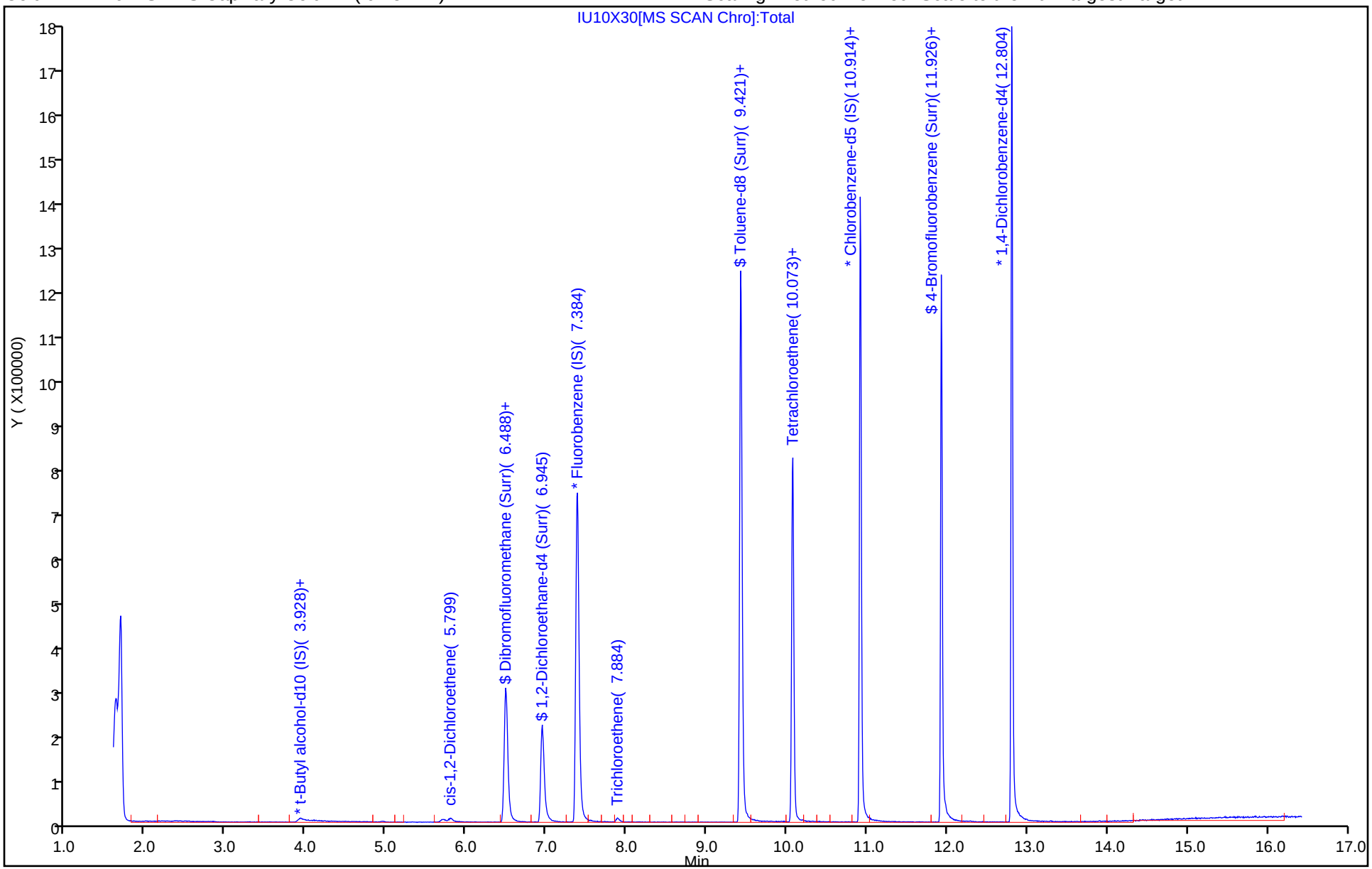
MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 11-Jun-2024 08:33:53 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X30.D				
Injection Date:	10-Jun-2024 20:23:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	410-174025-B-8 DL	Lab Sample ID:	410-174025-8	Worklist Smp#:	31
Client ID:	HD-COD-SW-17-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	30
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X30.D
Lims ID: 410-174025-B-8 DL
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 10-Jun-2024 20:23:30 ALS Bottle#: 30 Worklist Smp#: 31
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0116210-031
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 08:32:43 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

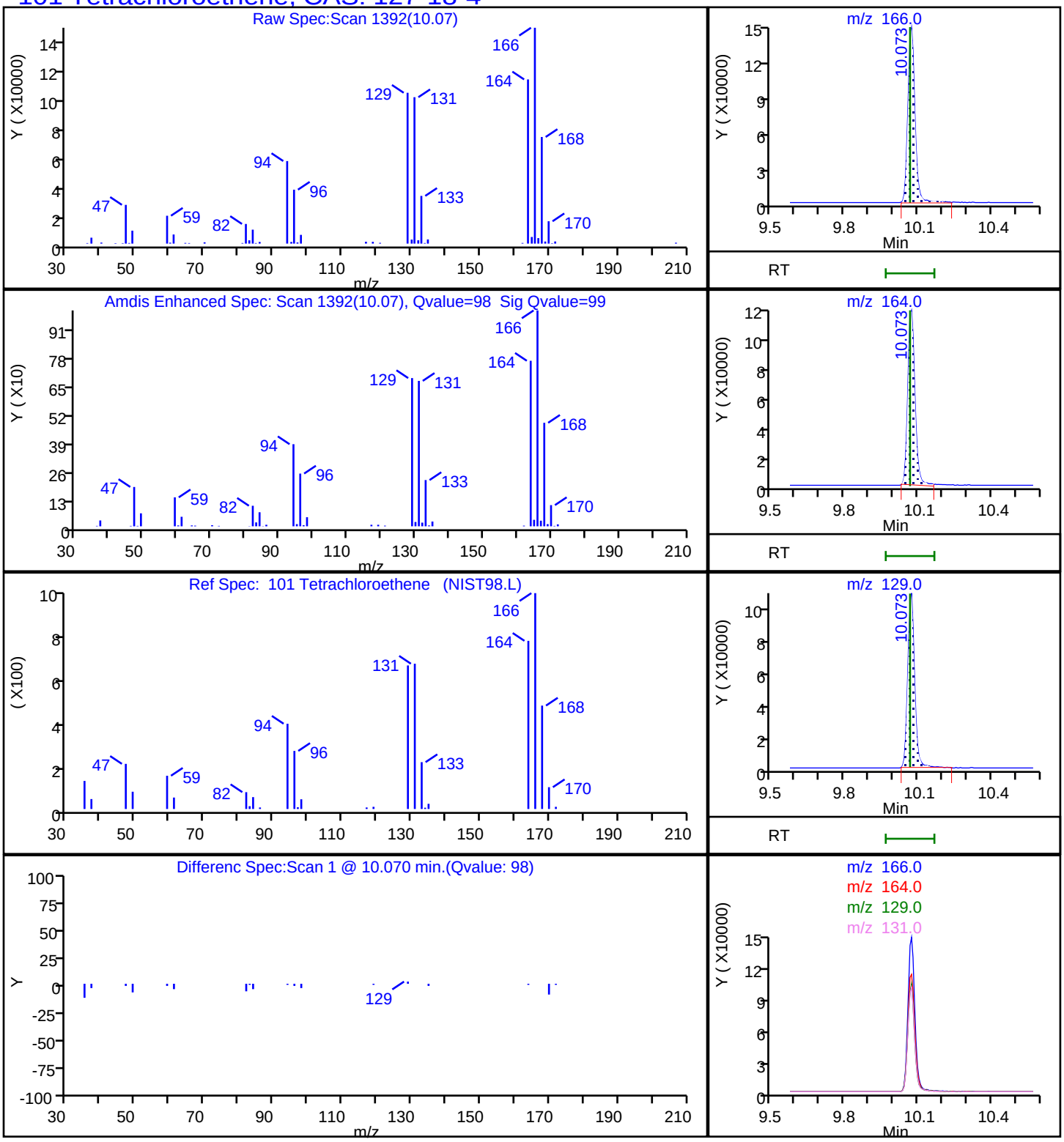
First Level Reviewer: FQ4L Date: 11-Jun-2024 08:33:52

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	11.0	109.62
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	103.71
$ 78 Toluene-d8 (Surr)	10.0	9.58	95.76
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.52	95.17

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X30.D				
Injection Date:	10-Jun-2024 20:23:30	Instrument ID:	19930		
Lims ID:	410-174025-B-8 DL	Lab Sample ID:	410-174025-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	30	Worklist Smp#:	31
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

101 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-26-0/1-0
Lab Sample ID: 410-174025-9

Matrix: Water
Lab File ID: IU10X22.D

Analysis Method: 8260D
Date Collected: 05/30/2024 10:45

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 17:36

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.15	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.63		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-26-0/1-0
Lab Sample ID: 410-174025-9

Matrix: Water
Lab File ID: IU10X22.D

Analysis Method: 8260D
Date Collected: 05/30/2024 10:45

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 17:36

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.11	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	108		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X22.D
Lims ID: 410-174025-A-9
Client ID: HD-COD-SW-26-0/1-0
Sample Type: Client
Inject. Date: 10-Jun-2024 17:36:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-023
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 08:05:52 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 08:05:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.001				ND	
5 Vinyl chloride	62		2.111				ND	
7 Bromomethane	94		2.416				ND	
8 Chloroethane	64		2.489				ND	
15 1,1-Dichloroethene	96		3.276				ND	
16 Acetone	43		3.306				ND	U
20 Carbon disulfide	76	3.574	3.556	0.018	55	2612	0.0322	
25 Methylene Chloride	84		3.891				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.928	3.903	0.025	22	67133	50.0	
29 Methyl tert-butyl ether	73		4.263				ND	
30 trans-1,2-Dichloroethene	96		4.281				ND	
32 1,1-Dichloroethane	63		4.940				ND	
38 2-Butanone (MEK)	43		5.757				ND	
39 cis-1,2-Dichloroethene	96		5.775				ND	
46 Chlorobromomethane	128		6.116				ND	
48 Chloroform	83	6.287	6.269	0.018	91	8894	0.1549	
$ 49 Dibromofluoromethane (Surr)	113	6.494	6.482	0.012	94	273396	10.8	
50 1,1,1-Trichloroethane	97		6.488				ND	
54 Carbon tetrachloride	117		6.714				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.952	6.933	0.019	62	53910	10.3	
57 Benzene	78		6.970				ND	
58 1,2-Dichloroethane	62		7.043				ND	
* 61 Fluorobenzene (IS)	96	7.391	7.378	0.013	99	1055297	10.0	
64 Trichloroethene	95	7.884	7.860	0.024	93	3664	0.1063	
66 1,2-Dichloropropane	63		8.189				ND	
71 Dichlorobromomethane	83		8.537				ND	
76 cis-1,3-Dichloropropene	75		9.098				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.280				ND	
$ 78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1069086	9.74	
79 Toluene	92	9.500	9.500	0.000	49	2234	0.0251	
97 trans-1,3-Dichloropropene	75		9.774				ND	
100 1,1,2-Trichloroethane	97		9.982				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.079	10.067	0.012	96	26931	0.6307	
103 2-Hexanone	43		10.201				ND	
105 Chlorodibromomethane	129		10.366				ND	
106 Ethylene Dibromide	107		10.475				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	834958	10.0	
109 Chlorobenzene	112		10.939				ND	
111 1,1,1,2-Tetrachloroethane	131		11.024				ND	
112 Ethylbenzene	91		11.030				ND	
113 m-Xylene & p-Xylene	106		11.146				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	94	391990	9.68	
121 1,1,2,2-Tetrachloroethane	83		12.024				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	94	477317	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

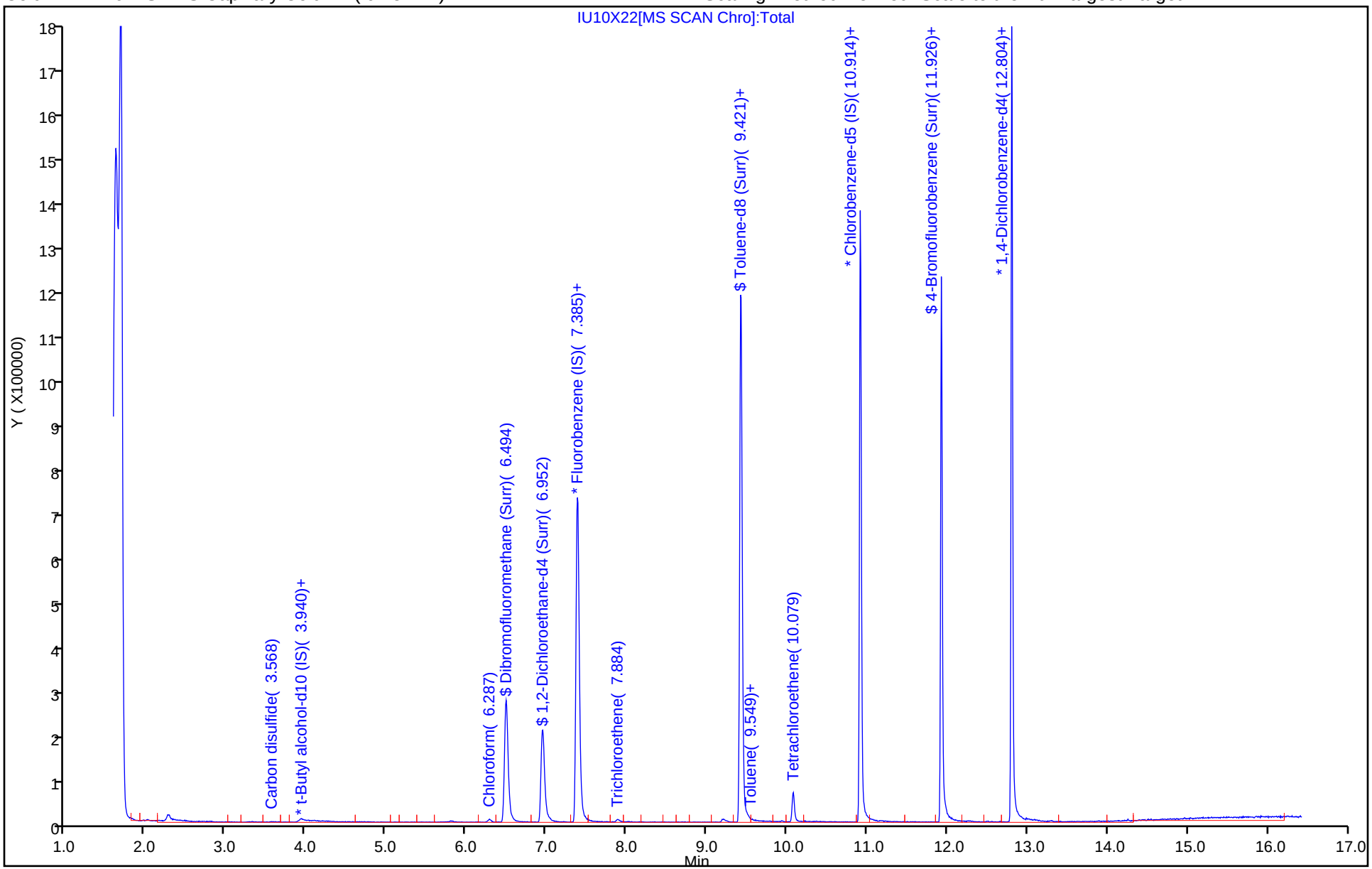
MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 11-Jun-2024 08:05:52 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X22.D				
Injection Date:	10-Jun-2024 17:36:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	410-174025-A-9	Lab Sample ID:	410-174025-9	Worklist Smp#:	23
Client ID:	HD-COD-SW-26-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X22.D				
Lims ID:	410-174025-A-9				
Client ID:	HD-COD-SW-26-0/1-0				
Sample Type:	Client				
Inject. Date:	10-Jun-2024 17:36:30	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0116210-023				
Operator ID:	knk41612	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	11-Jun-2024 08:05:52	Calib Date:	29-Feb-2024 01:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1691				

First Level Reviewer: FQ4L Date: 11-Jun-2024 08:05:52

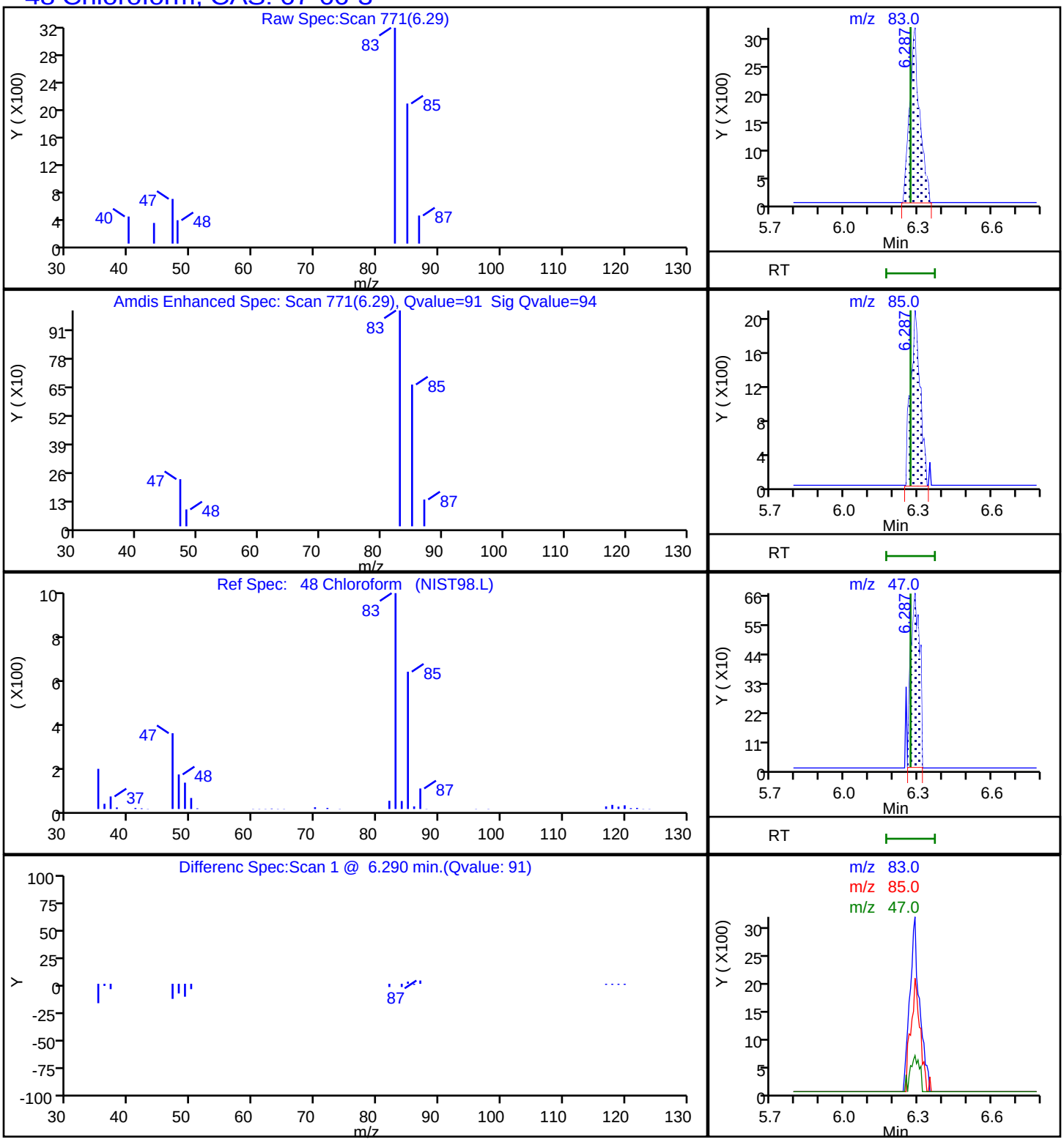
Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.8	107.67
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	102.87
$ 78 Toluene-d8 (Surr)	10.0	9.74	97.42
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.68	96.78

Report Date: 11-Jun-2024 08:05:52 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X22.D				
Injection Date:	10-Jun-2024 17:36:30	Instrument ID:	19930		
Lims ID:	410-174025-A-9	Lab Sample ID:	410-174025-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

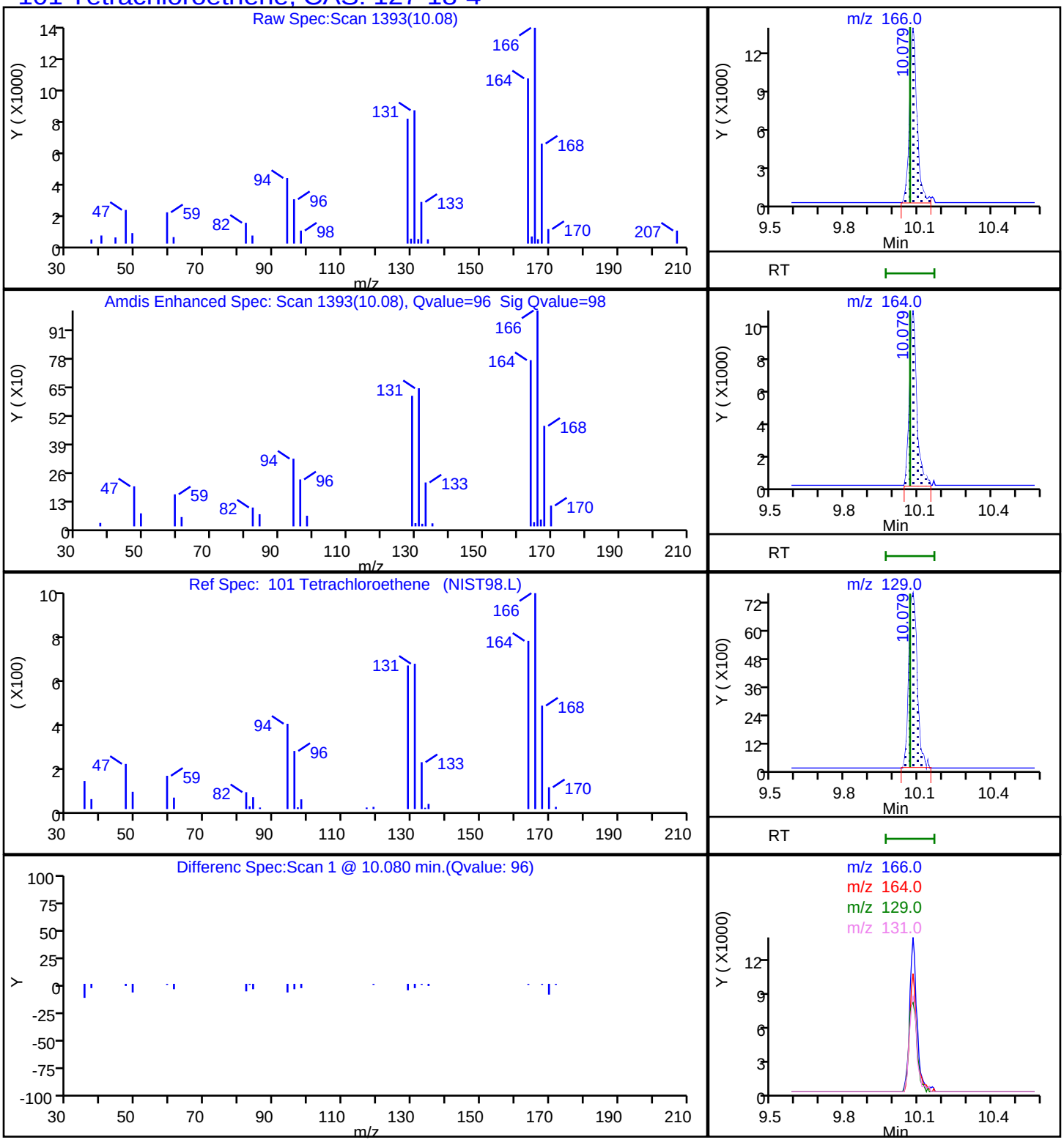
48 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X22.D				
Injection Date:	10-Jun-2024 17:36:30	Instrument ID:	19930		
Lims ID:	410-174025-A-9	Lab Sample ID:	410-174025-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

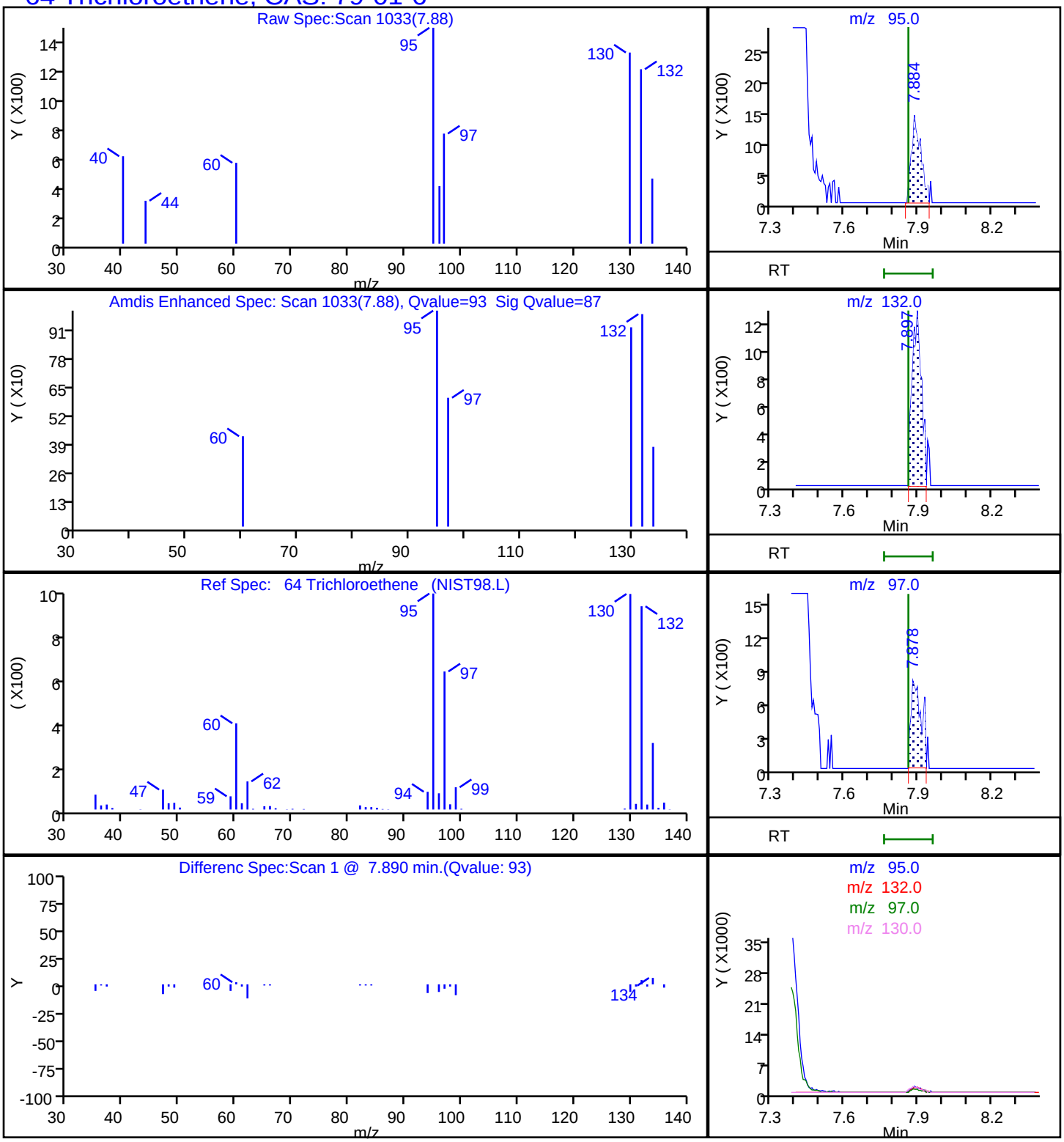
101 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X22.D				
Injection Date:	10-Jun-2024 17:36:30	Instrument ID:	19930		
Lims ID:	410-174025-A-9	Lab Sample ID:	410-174025-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

64 Trichloroethene, CAS: 79-01-6



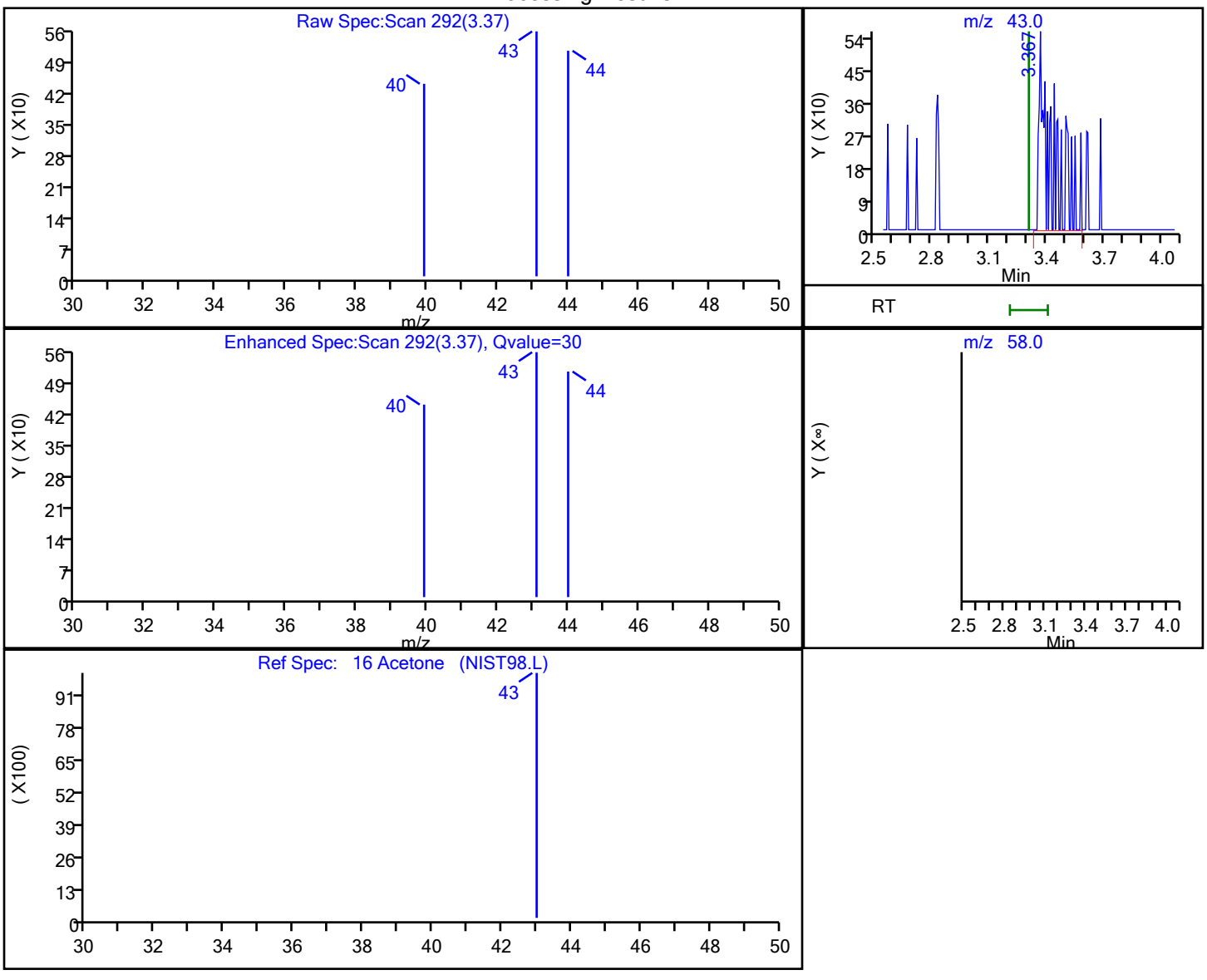
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X22.D				
Injection Date:	10-Jun-2024 17:36:30	Instrument ID:	19930		
Lims ID:	410-174025-A-9	Lab Sample ID:	410-174025-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.37	43.00	2360	0.767569
3.31	58.00	0	

Reviewer: FQ4L, 11-Jun-2024 08:05:20 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.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-27-0/1-0
Lab Sample ID: 410-174025-10

Matrix: Water
Lab File ID: IU10X23.D

Analysis Method: 8260D
Date Collected: 05/30/2024 11:19

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 17:56

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-27-0/1-0
Lab Sample ID: 410-174025-10

Matrix: Water
Lab File ID: IU10X23.D

Analysis Method: 8260D
Date Collected: 05/30/2024 11:19

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 17:56

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.11	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X23.D
Lims ID: 410-174025-A-10
Client ID: HD-COD-SW-27-0/1-0
Sample Type: Client
Inject. Date: 10-Jun-2024 17:56:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-024
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 08:06:59 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 08:06:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.001				ND	
5 Vinyl chloride	62		2.111				ND	
7 Bromomethane	94		2.416				ND	
8 Chloroethane	64		2.489				ND	
15 1,1-Dichloroethene	96		3.276				ND	
16 Acetone	43		3.306				ND	U
20 Carbon disulfide	76	3.586	3.556	0.030	54	4400	0.0558	
25 Methylene Chloride	84		3.891				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.946	3.903	0.043	22	69333	50.0	
29 Methyl tert-butyl ether	73		4.263				ND	
30 trans-1,2-Dichloroethene	96		4.281				ND	
32 1,1-Dichloroethane	63		4.940				ND	
38 2-Butanone (MEK)	43		5.757				ND	
39 cis-1,2-Dichloroethene	96		5.775				ND	
46 Chlorobromomethane	128		6.116				ND	
48 Chloroform	83	6.287	6.269	0.018	85	3722	0.0668	
$ 49 Dibromofluoromethane (Surr)	113	6.494	6.482	0.012	94	267828	10.9	
50 1,1,1-Trichloroethane	97		6.488				ND	
54 Carbon tetrachloride	117		6.714				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.933	0.013	62	53637	10.5	
57 Benzene	78		6.970				ND	
58 1,2-Dichloroethane	62		7.043				ND	
* 61 Fluorobenzene (IS)	96	7.384	7.378	0.006	99	1024116	10.0	
64 Trichloroethene	95	7.878	7.860	0.018	95	3660	0.1094	M
66 1,2-Dichloropropane	63		8.189				ND	
71 Dichlorobromomethane	83		8.537				ND	
76 cis-1,3-Dichloropropene	75		9.098				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.280				ND	
$ 78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1046770	9.74	
79 Toluene	92	9.506	9.500	0.006	1	2236	0.0257	
97 trans-1,3-Dichloropropene	75		9.774				ND	
100 1,1,2-Trichloroethane	97		9.982				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.085	10.067	0.018	90	2249	0.0538	
103 2-Hexanone	43		10.201				ND	
105 Chlorodibromomethane	129		10.366				ND	
106 Ethylene Dibromide	107		10.475				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	817391	10.0	
109 Chlorobenzene	112		10.939				ND	
111 1,1,1,2-Tetrachloroethane	131		11.024				ND	
112 Ethylbenzene	91		11.030				ND	
113 m-Xylene & p-Xylene	106		11.146				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	94	384149	9.69	
121 1,1,2,2-Tetrachloroethane	83		12.024				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	94	479307	10.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

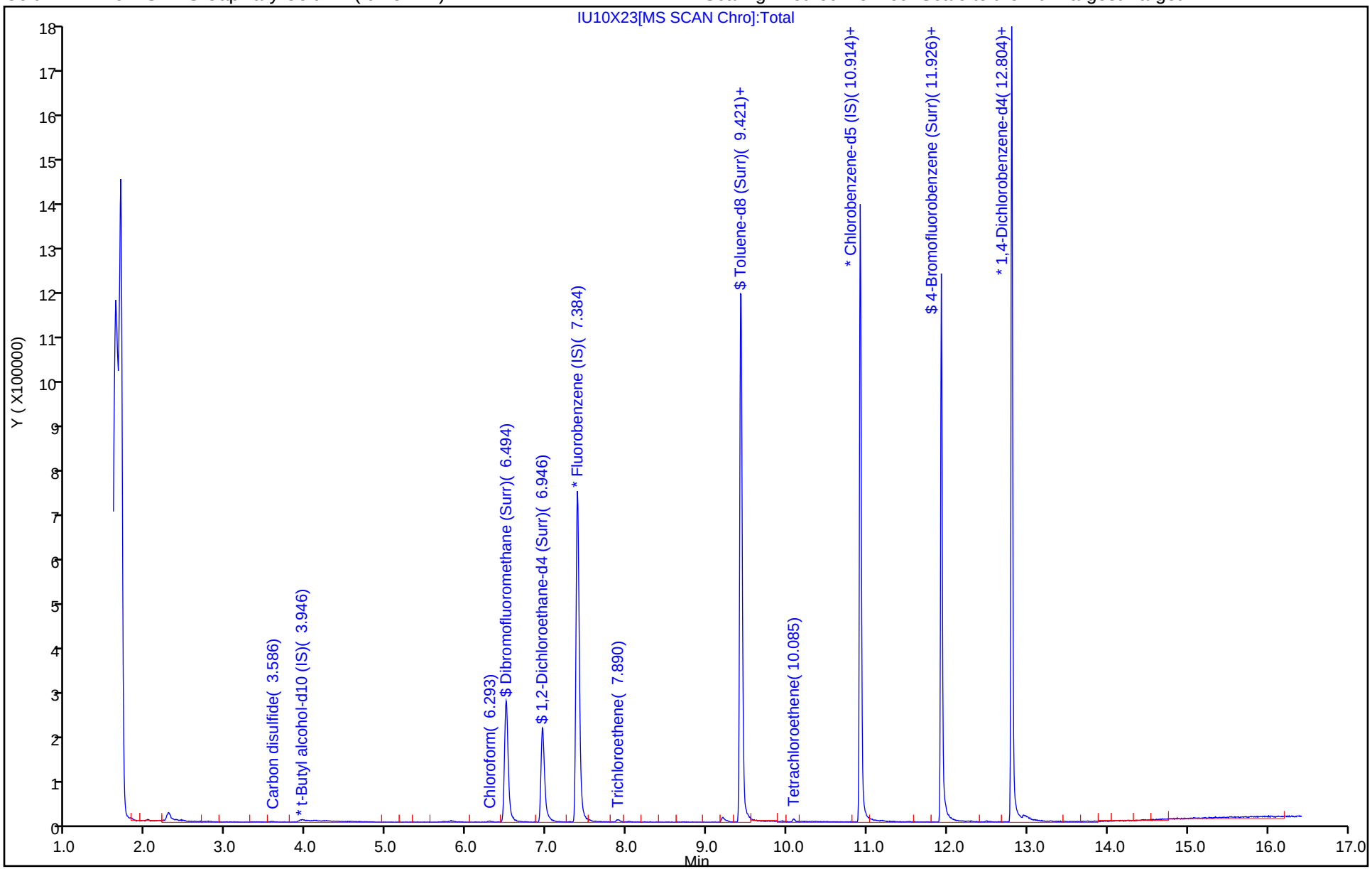
Report Date: 11-Jun-2024 08:07:00 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X23.D

Injection Date:	10-Jun-2024 17:56:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	410-174025-A-10	Lab Sample ID:	410-174025-10	Worklist Smp#:	24
Client ID:	HD-COD-SW-27-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X23.D				
Lims ID:	410-174025-A-10				
Client ID:	HD-COD-SW-27-0/1-0				
Sample Type:	Client				
Inject. Date:	10-Jun-2024 17:56:30	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0116210-024				
Operator ID:	knk41612	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	11-Jun-2024 08:06:59	Calib Date:	29-Feb-2024 01:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1691				

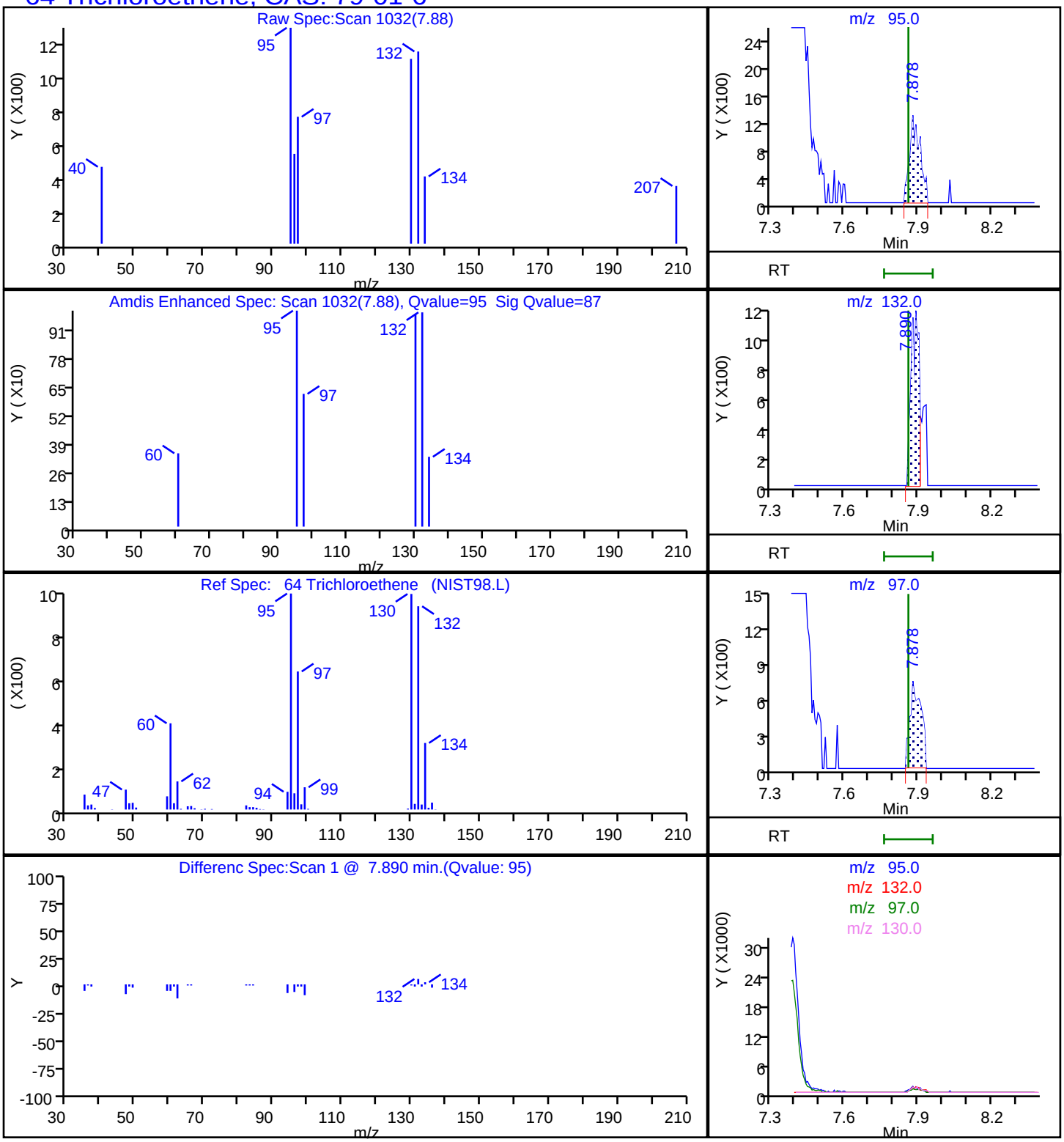
First Level Reviewer: FQ4L Date: 11-Jun-2024 08:06:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.9	108.69
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	105.46
$ 78 Toluene-d8 (Surr)	10.0	9.74	97.44
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.69	96.88

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X23.D				
Injection Date:	10-Jun-2024 17:56:30	Instrument ID:	19930		
Lims ID:	410-174025-A-10	Lab Sample ID:	410-174025-10		
Client ID:	HD-COD-SW-27-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

64 Trichloroethene, CAS: 79-01-6



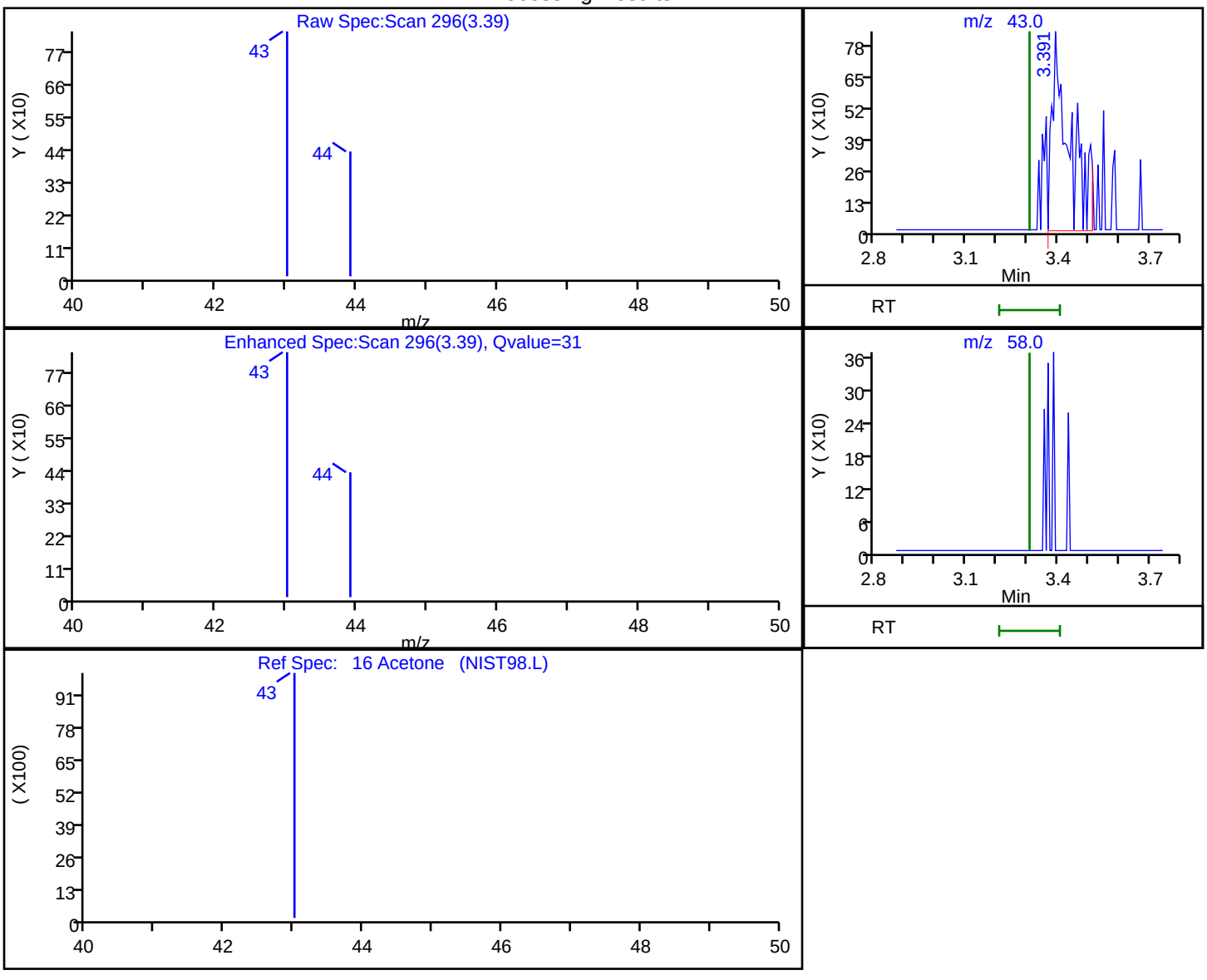
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X23.D				
Injection Date:	10-Jun-2024 17:56:30	Instrument ID:	19930		
Lims ID:	410-174025-A-10	Lab Sample ID:	410-174025-10		
Client ID:	HD-COD-SW-27-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.39	43.00	3325	1.047112
3.31	58.00	0	

Reviewer: FQ4L, 11-Jun-2024 08:06:09 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

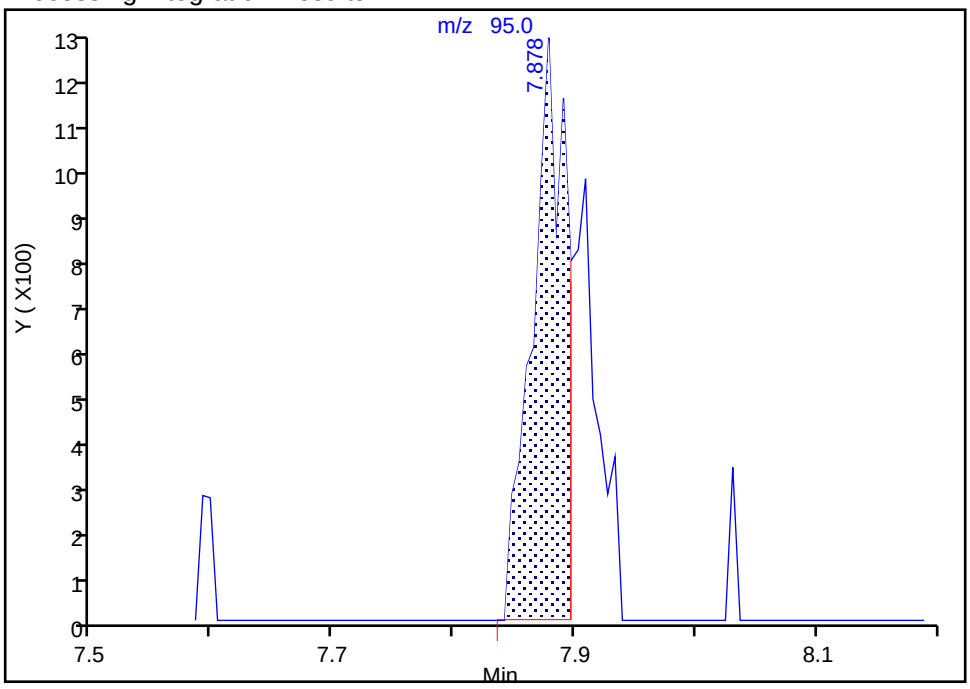
Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X23.D				
Injection Date:	10-Jun-2024 17:56:30	Instrument ID:	19930		
Lims ID:	410-174025-A-10	Lab Sample ID:	410-174025-10		
Client ID:	HD-COD-SW-27-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

64 Trichloroethene, CAS: 79-01-6

Signal: 1

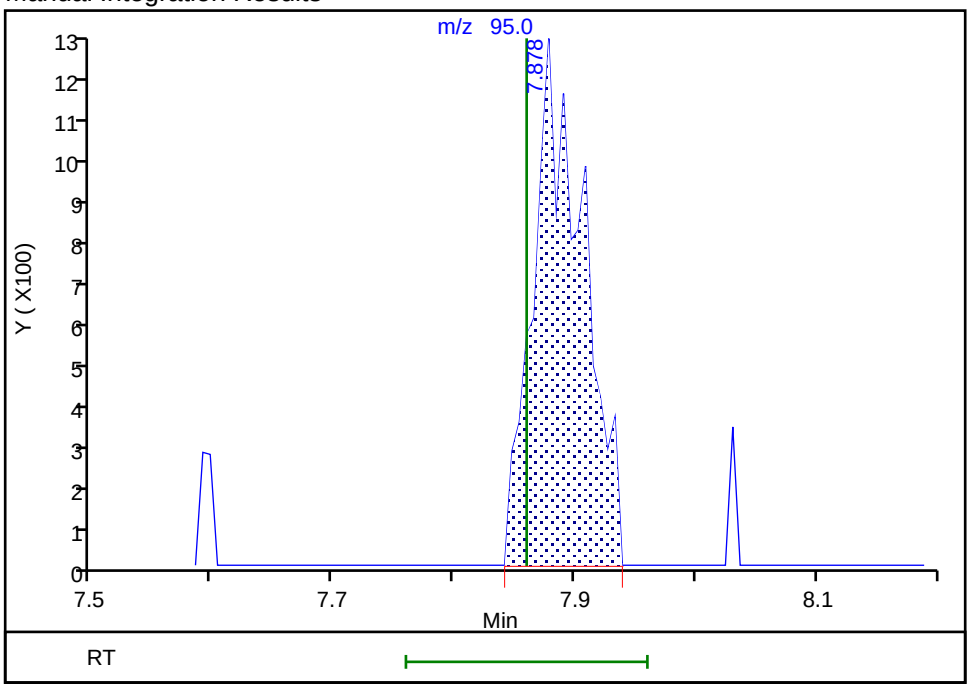
Processing Integration Results

RT: 7.88
Area: 2462
Amount: 0.073593
Amount Units: ug/l



Manual Integration Results

RT: 7.88
Area: 3660
Amount: 0.109403
Amount Units: ug/l



Reviewer: FQ4L, 11-Jun-2024 08:06:32 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.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-28-0/1-0
Lab Sample ID: 410-174025-11

Matrix: Water
Lab File ID: IU10X24.D

Analysis Method: 8260D
Date Collected: 05/30/2024 12:55

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 18:17

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.23	J	0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-28-0/1-0
Lab Sample ID: 410-174025-11

Matrix: Water
Lab File ID: IU10X24.D

Analysis Method: 8260D
Date Collected: 05/30/2024 12:55

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 18:17

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.10	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	110		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X24.D
Lims ID: 410-174025-A-11
Client ID: HD-COD-SW-28-0/1-0
Sample Type: Client
Inject. Date: 10-Jun-2024 18:17:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-025
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 08:21:08 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 08:21:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.001				ND	
5 Vinyl chloride	62		2.111				ND	
7 Bromomethane	94		2.416				ND	
8 Chloroethane	64		2.489				ND	
15 1,1-Dichloroethene	96		3.276				ND	
16 Acetone	43		3.306				ND	U
20 Carbon disulfide	76	3.580	3.556	0.024	52	2753	0.0389	
25 Methylene Chloride	84		3.891				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.958	3.903	0.055	1	64459	50.0	
29 Methyl tert-butyl ether	73		4.263				ND	
30 trans-1,2-Dichloroethene	96		4.281				ND	
32 1,1-Dichloroethane	63		4.940				ND	
38 2-Butanone (MEK)	43		5.757				ND	
39 cis-1,2-Dichloroethene	96		5.775				ND	
46 Chlorobromomethane	128		6.116				ND	
48 Chloroform	83	6.281	6.269	0.012	87	3825	0.0764	
$ 49 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	94	242639	11.0	
50 1,1,1-Trichloroethane	97		6.488				ND	
54 Carbon tetrachloride	117		6.714				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.945	6.933	0.012	62	47265	10.3	
57 Benzene	78		6.970				ND	
58 1,2-Dichloroethane	62		7.043				ND	
* 61 Fluorobenzene (IS)	96	7.384	7.378	0.006	99	920339	10.0	
64 Trichloroethene	95	7.884	7.860	0.024	85	2995	0.0996	
66 1,2-Dichloropropane	63		8.189				ND	
71 Dichlorobromomethane	83		8.537				ND	
76 cis-1,3-Dichloropropene	75		9.098				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.280				ND	
$ 78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	943632	9.64	
79 Toluene	92	9.518	9.500	0.018	91	3231	0.0408	
97 trans-1,3-Dichloropropene	75		9.774				ND	
100 1,1,2-Trichloroethane	97		9.982				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.085	10.067	0.018	96	8607	0.2259	
103 2-Hexanone	43		10.201				ND	
105 Chlorodibromomethane	129		10.366				ND	
106 Ethylene Dibromide	107		10.475				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	84	744982	10.0	
109 Chlorobenzene	112		10.939				ND	
111 1,1,1,2-Tetrachloroethane	131		11.024				ND	
112 Ethylbenzene	91		11.030				ND	
113 m-Xylene & p-Xylene	106		11.146				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	94	335185	9.28	
121 1,1,2,2-Tetrachloroethane	83		12.024				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	94	426756	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

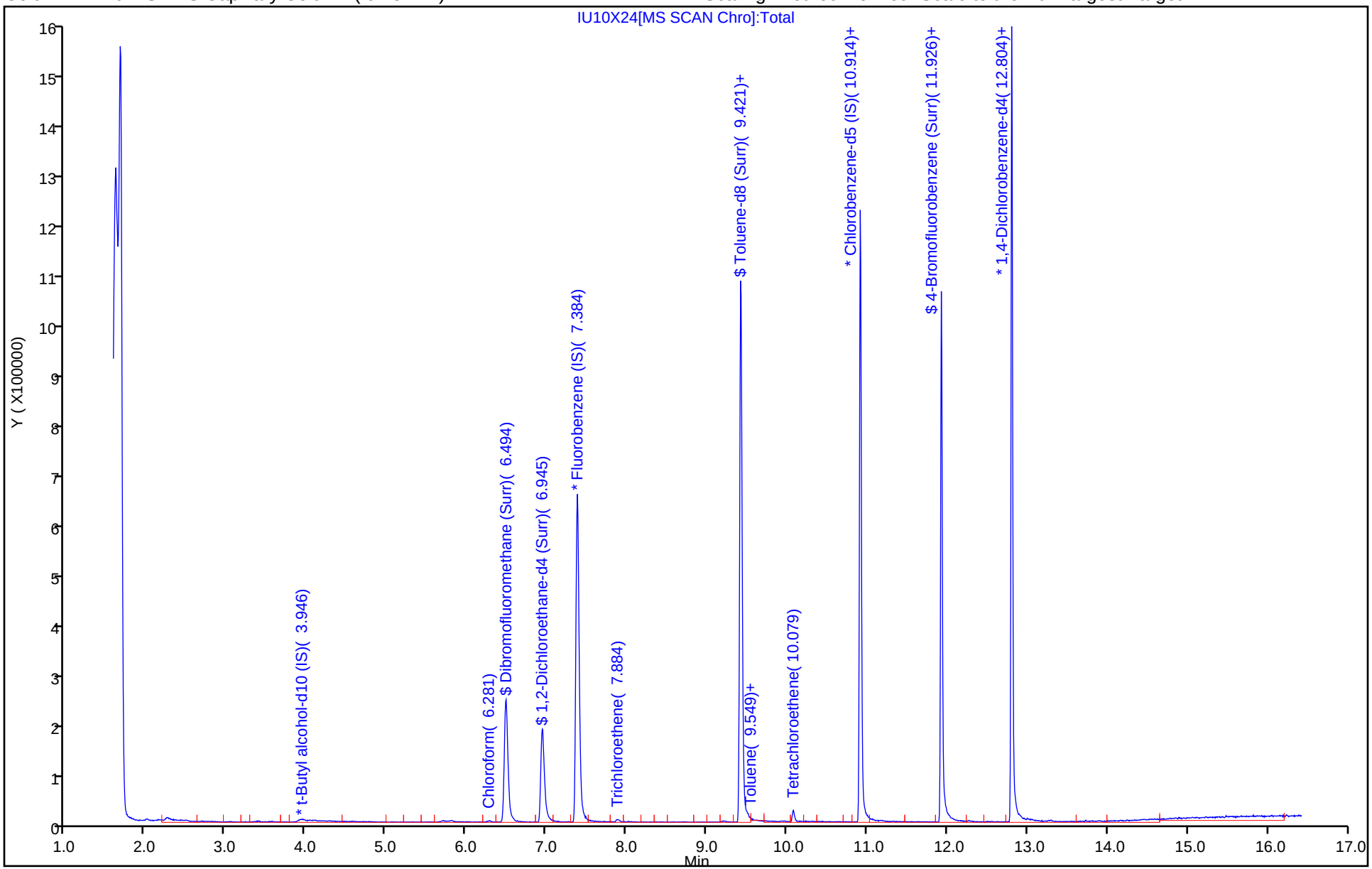
Report Date: 11-Jun-2024 08:21:08 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X24.D

Injection Date:	10-Jun-2024 18:17:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	410-174025-A-11	Lab Sample ID:	410-174025-11	Worklist Smp#:	25
Client ID:	HD-COD-SW-28-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X24.D				
Lims ID:	410-174025-A-11				
Client ID:	HD-COD-SW-28-0/1-0				
Sample Type:	Client				
Inject. Date:	10-Jun-2024 18:17:30	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0116210-025				
Operator ID:	knk41612	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	11-Jun-2024 08:21:08	Calib Date:	29-Feb-2024 01:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1691				

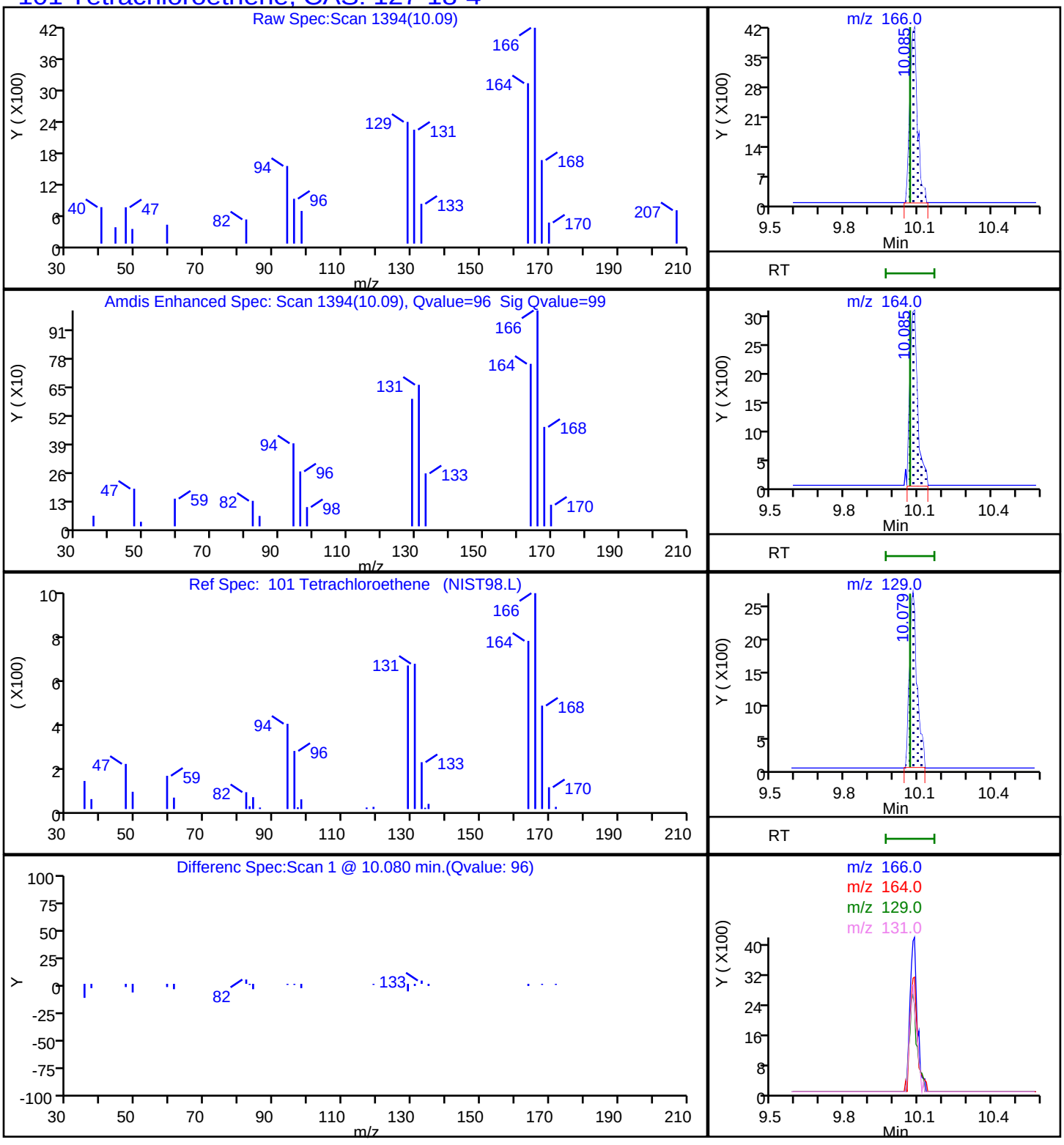
First Level Reviewer: FQ4L Date: 11-Jun-2024 08:21:08

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	11.0	109.57
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	103.41
$ 78 Toluene-d8 (Surr)	10.0	9.64	96.38
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.28	92.75

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X24.D				
Injection Date:	10-Jun-2024 18:17:30	Instrument ID:	19930		
Lims ID:	410-174025-A-11	Lab Sample ID:	410-174025-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

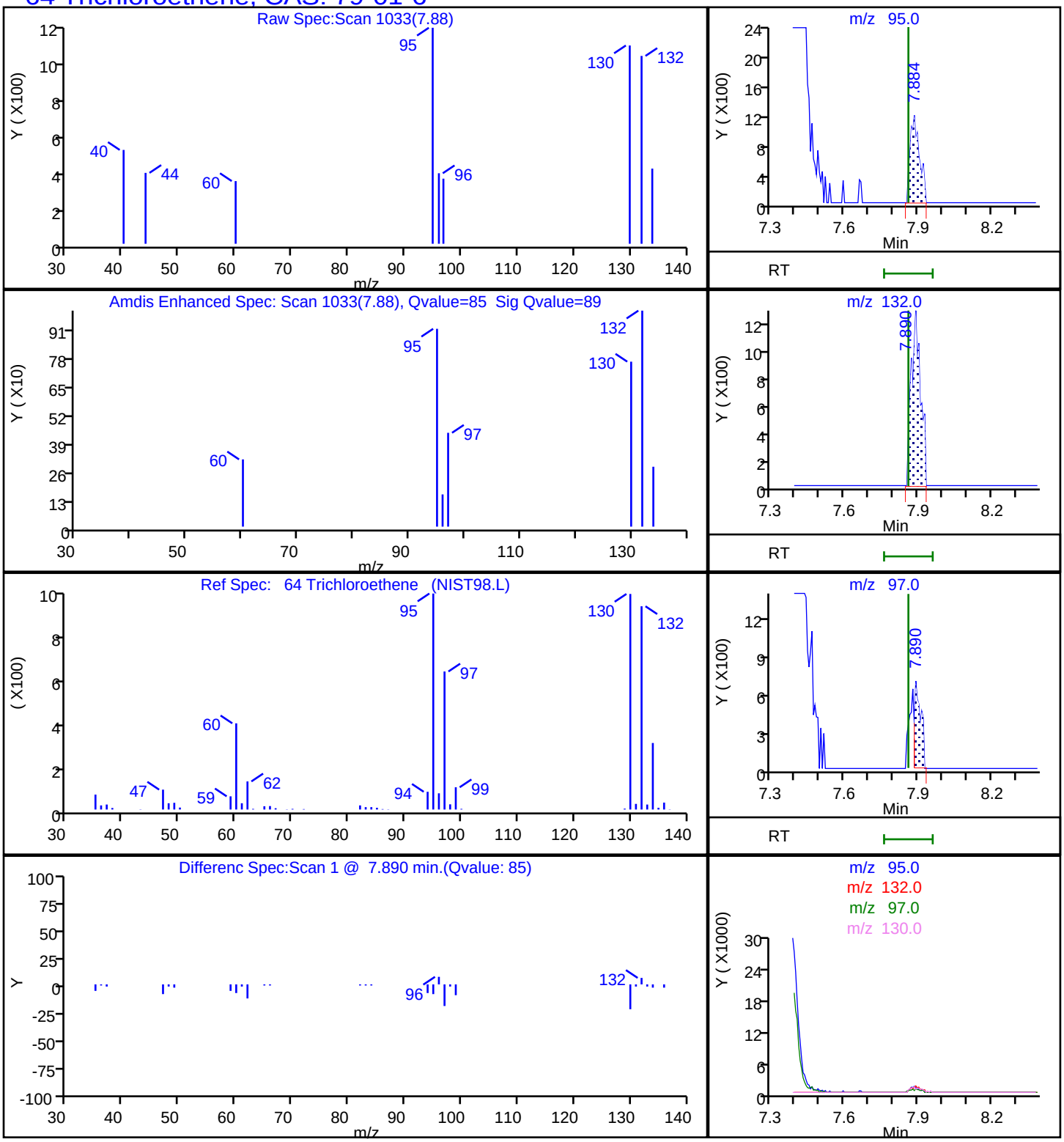
101 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X24.D				
Injection Date:	10-Jun-2024 18:17:30	Instrument ID:	19930		
Lims ID:	410-174025-A-11	Lab Sample ID:	410-174025-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

64 Trichloroethene, CAS: 79-01-6



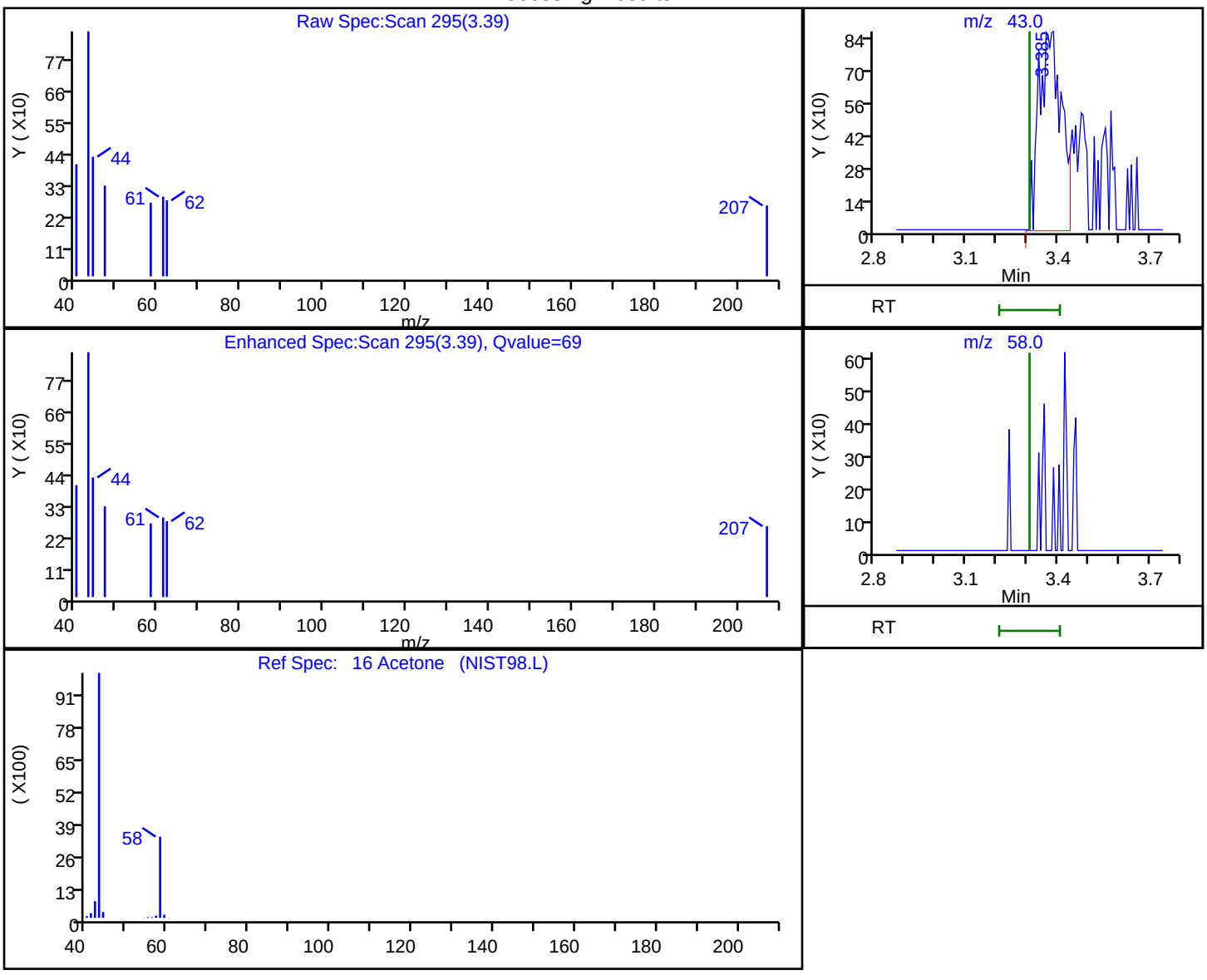
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X24.D				
Injection Date:	10-Jun-2024 18:17:30	Instrument ID:	19930		
Lims ID:	410-174025-A-11	Lab Sample ID:	410-174025-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.39	43.00	4453	1.508379
3.31	58.00	0	

Reviewer: FQ4L, 11-Jun-2024 08:20:35 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

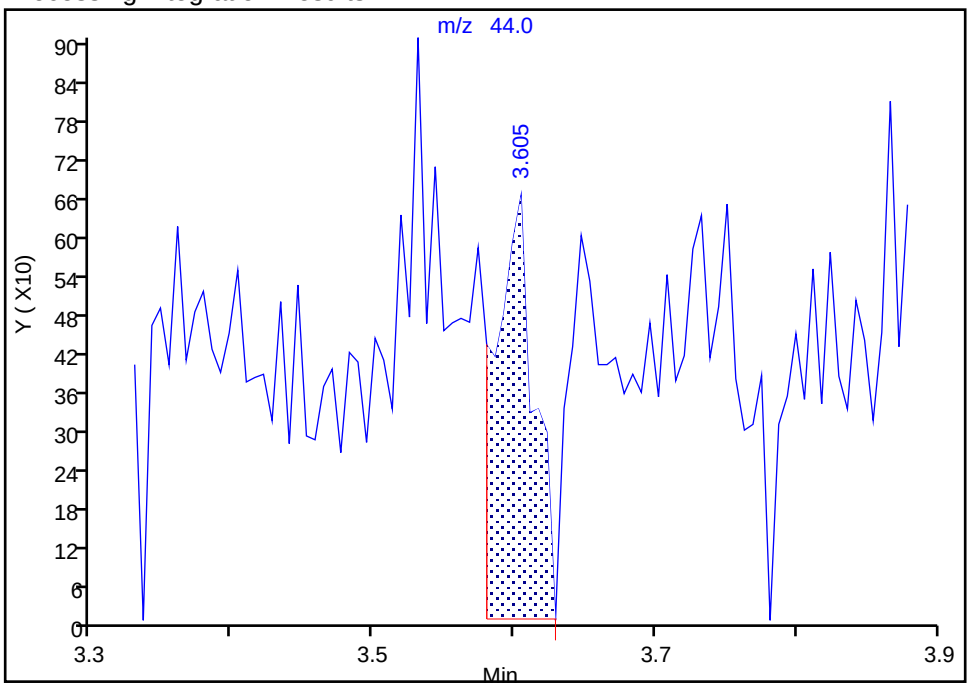
Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X24.D				
Injection Date:	10-Jun-2024 18:17:30	Instrument ID:	19930		
Lims ID:	410-174025-A-11	Lab Sample ID:	410-174025-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

20 Carbon disulfide, CAS: 75-15-0

Signal: 3

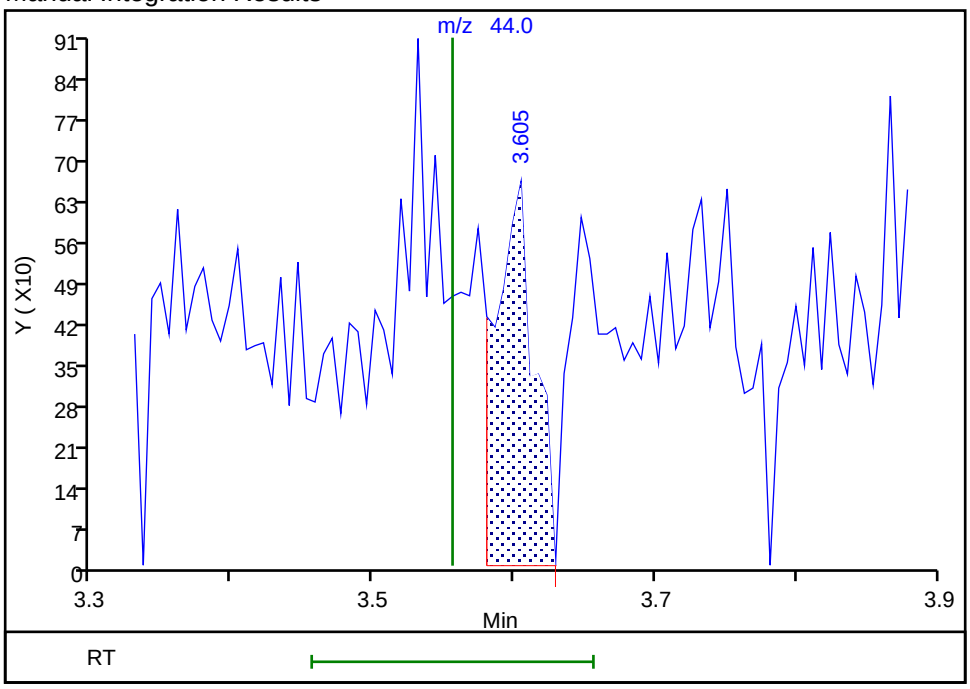
Processing Integration Results

RT: 3.60
Area: 1283
Amount: 0.038881
Amount Units: ug/l



Manual Integration Results

RT: 3.60
Area: 1283
Amount: 0.038881
Amount Units: ug/l



Reviewer: FQ4L, 11-Jun-2024 08:20:31 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.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-29-0/1-0
Lab Sample ID: 410-174025-12

Matrix: Water
Lab File ID: IU10X25.D

Analysis Method: 8260D
Date Collected: 05/30/2024 08:57

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 18:38

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.087	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.44	J	0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-29-0/1-0
Lab Sample ID: 410-174025-12

Matrix: Water
Lab File ID: IU10X25.D

Analysis Method: 8260D
Date Collected: 05/30/2024 08:57

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 18:38

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.12	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	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\19930\20240610-116210.b\IU10X25.D
Lims ID: 410-174025-A-12
Client ID: HD-COD-SW-29-0/1-0
Sample Type: Client
Inject. Date: 10-Jun-2024 18:38:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-026
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 08:22:41 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 08:22:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.001				ND	
5 Vinyl chloride	62		2.111				ND	
7 Bromomethane	94		2.416				ND	
8 Chloroethane	64		2.489				ND	
15 1,1-Dichloroethene	96		3.276				ND	
16 Acetone	43		3.306				ND	U
20 Carbon disulfide	76	3.568	3.556	0.012	57	2658	0.0337	
25 Methylene Chloride	84		3.891				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.934	3.903	0.031	22	85408	50.0	
29 Methyl tert-butyl ether	73		4.263				ND	
30 trans-1,2-Dichloroethene	96		4.281				ND	
32 1,1-Dichloroethane	63		4.940				ND	
38 2-Butanone (MEK)	43		5.757				ND	
39 cis-1,2-Dichloroethene	96	5.812	5.775	0.037	1	2916	0.0866	a
46 Chlorobromomethane	128		6.116				ND	
48 Chloroform	83	6.281	6.269	0.012	67	2486	0.0445	
$ 49 Dibromofluoromethane (Surr)	113	6.501	6.482	0.019	94	269131	10.9	
50 1,1,1-Trichloroethane	97		6.488				ND	7
54 Carbon tetrachloride	117		6.714				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.933	0.013	62	53133	10.4	
57 Benzene	78		6.970				ND	
58 1,2-Dichloroethane	62		7.043				ND	
* 61 Fluorobenzene (IS)	96	7.385	7.378	0.006	99	1025958	10.0	
64 Trichloroethene	95	7.884	7.860	0.024	90	4040	0.1205	M
66 1,2-Dichloropropane	63		8.189				ND	
71 Dichlorobromomethane	83		8.537				ND	
76 cis-1,3-Dichloropropene	75		9.098				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.280				ND	
$ 78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1044026	9.81	
79 Toluene	92	9.506	9.500	0.006	1	2878	0.0334	
97 trans-1,3-Dichloropropene	75		9.774				ND	
100 1,1,2-Trichloroethane	97		9.982				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.079	10.067	0.012	97	18088	0.4368	
103 2-Hexanone	43		10.201				ND	
105 Chlorodibromomethane	129		10.366				ND	
106 Ethylene Dibromide	107		10.475				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	809816	10.0	
109 Chlorobenzene	112		10.939				ND	
111 1,1,1,2-Tetrachloroethane	131		11.024				ND	
112 Ethylbenzene	91		11.030				ND	
113 m-Xylene & p-Xylene	106		11.146				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	93	382453	9.74	
121 1,1,2,2-Tetrachloroethane	83		12.024				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	94	481528	10.0	

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Reagents:

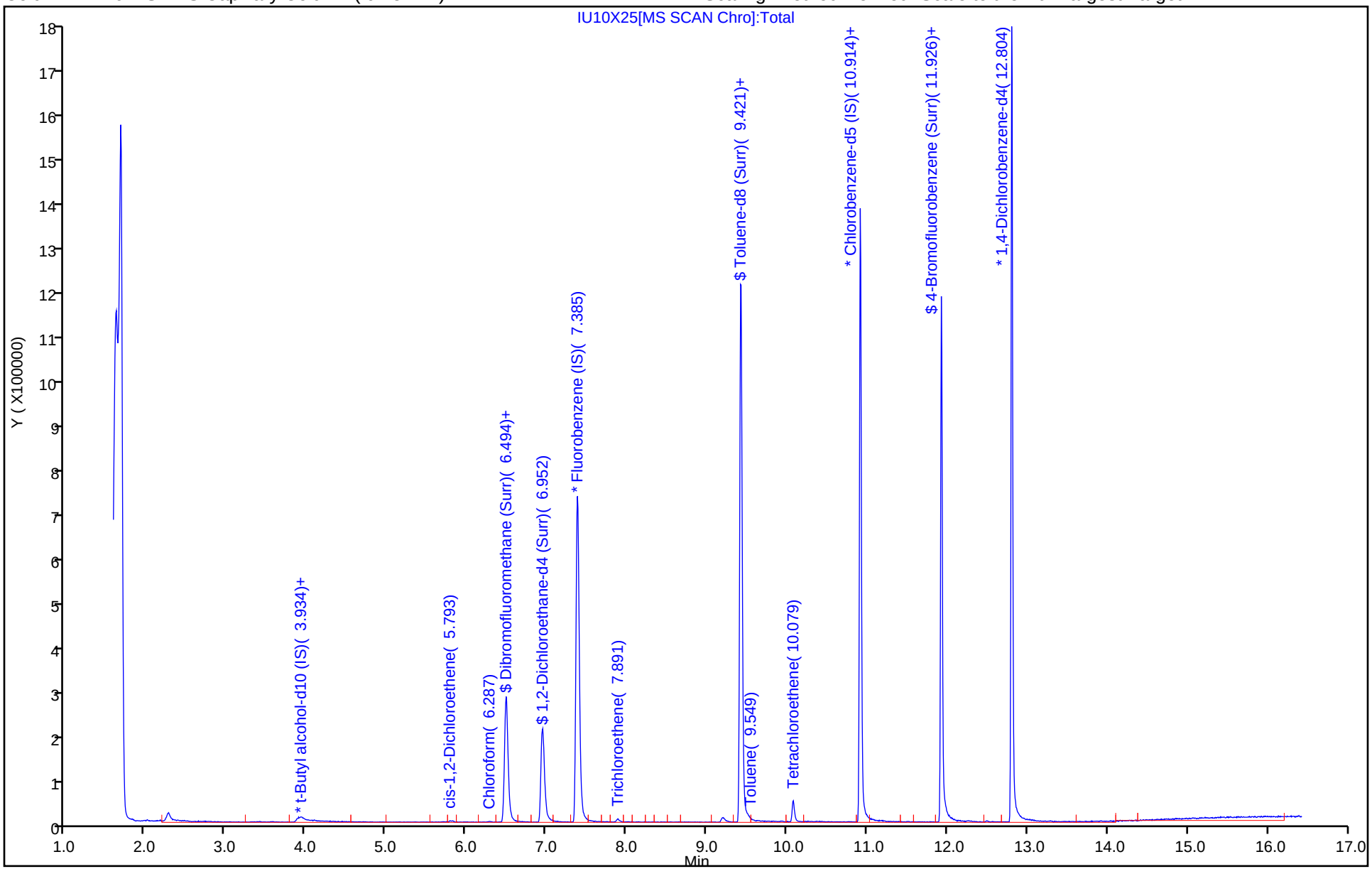
MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 11-Jun-2024 08:22:41 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X25.D				
Injection Date:	10-Jun-2024 18:38:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	410-174025-A-12	Lab Sample ID:	410-174025-12	Worklist Smp#:	26
Client ID:	HD-COD-SW-29-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X25.D
Lims ID: 410-174025-A-12
Client ID: HD-COD-SW-29-0/1-0
Sample Type: Client
Inject. Date: 10-Jun-2024 18:38:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-026
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 08:22:41 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

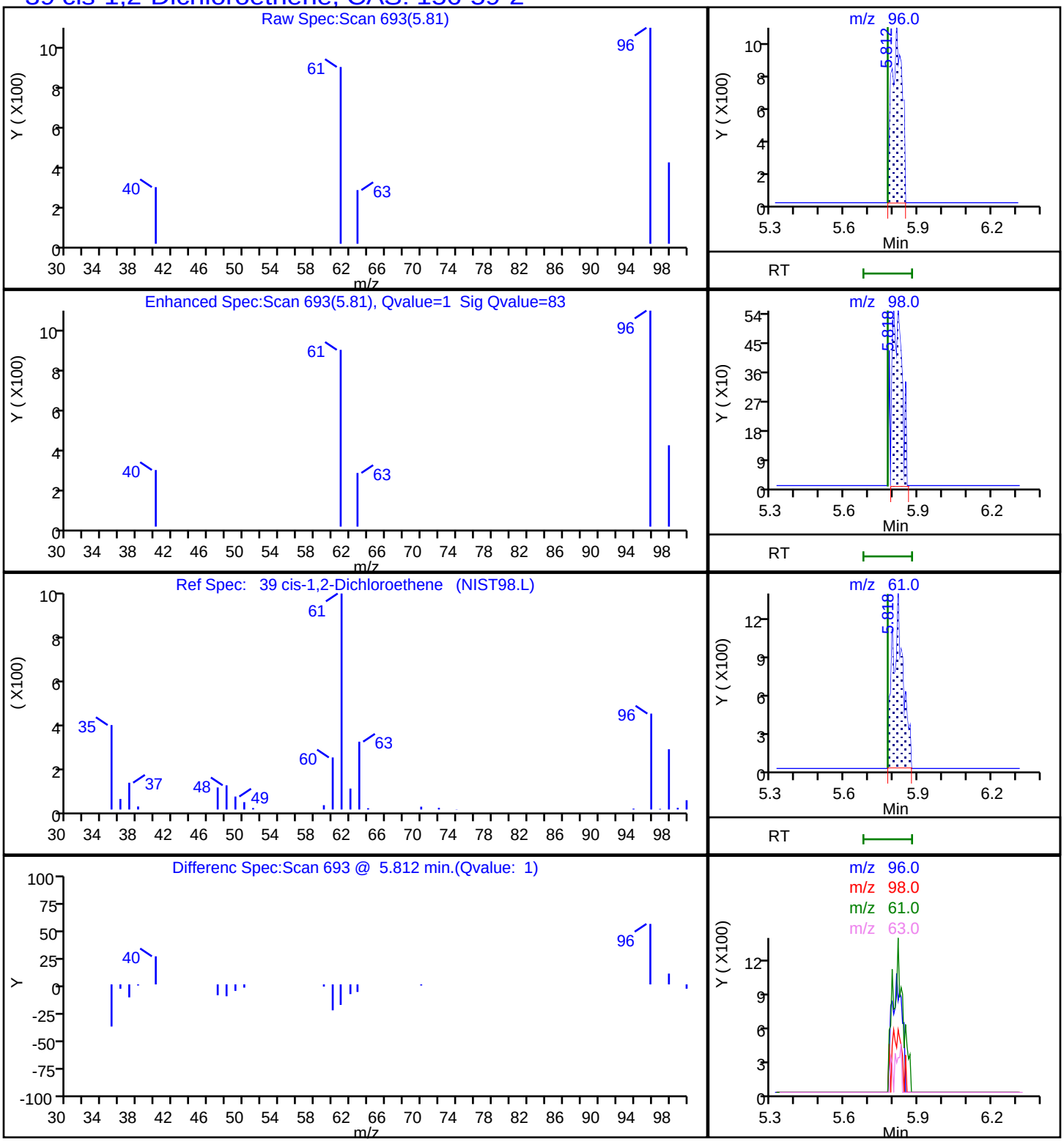
First Level Reviewer: FQ4L Date: 11-Jun-2024 08:22:41

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.9	109.02
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	104.28
$ 78 Toluene-d8 (Surr)	10.0	9.81	98.09
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.74	97.36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X25.D				
Injection Date:	10-Jun-2024 18:38:30	Instrument ID:	19930		
Lims ID:	410-174025-A-12	Lab Sample ID:	410-174025-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

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

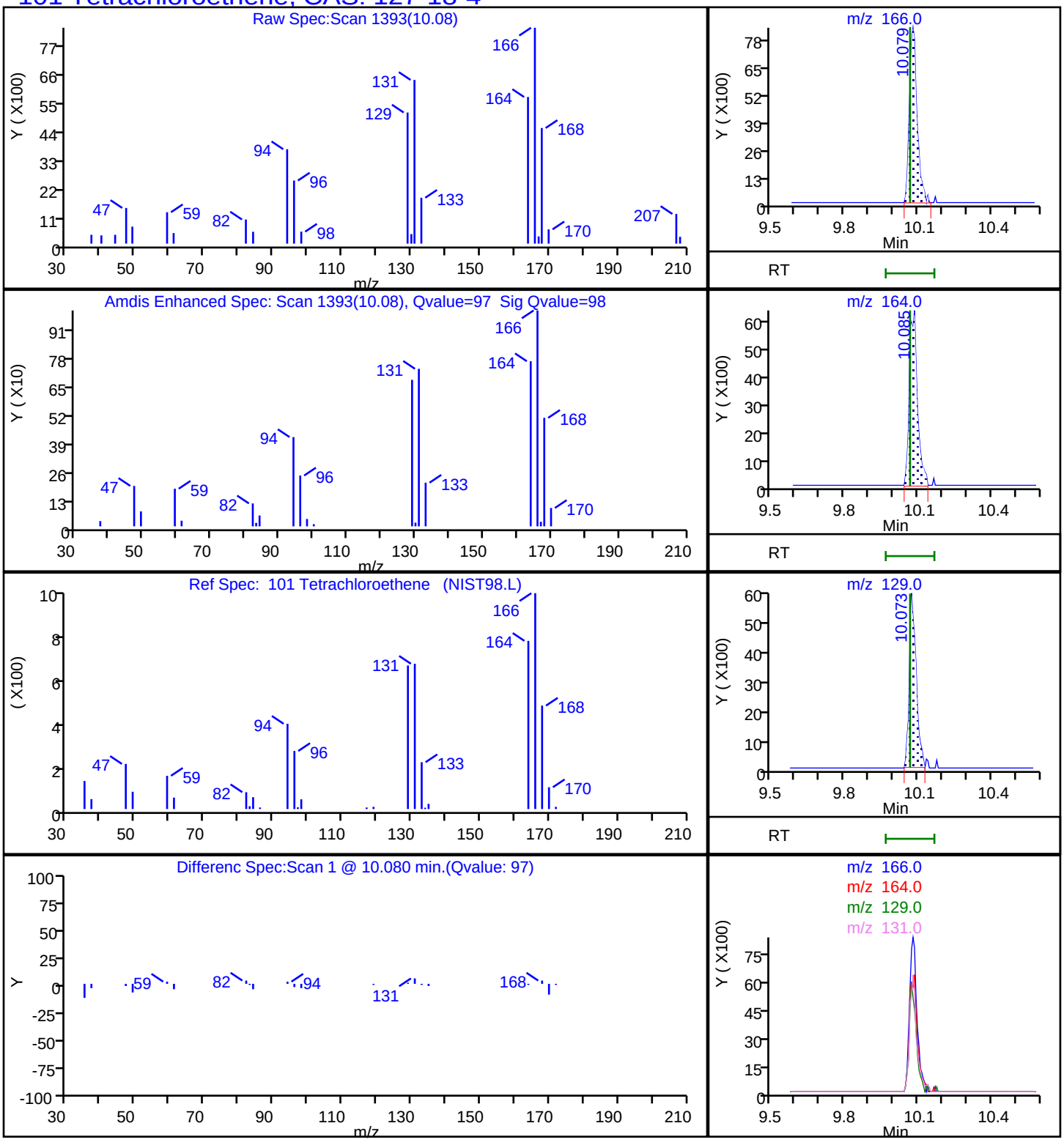


Report Date: 11-Jun-2024 08:22:41 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X25.D				
Injection Date:	10-Jun-2024 18:38:30	Instrument ID:	19930		
Lims ID:	410-174025-A-12	Lab Sample ID:	410-174025-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

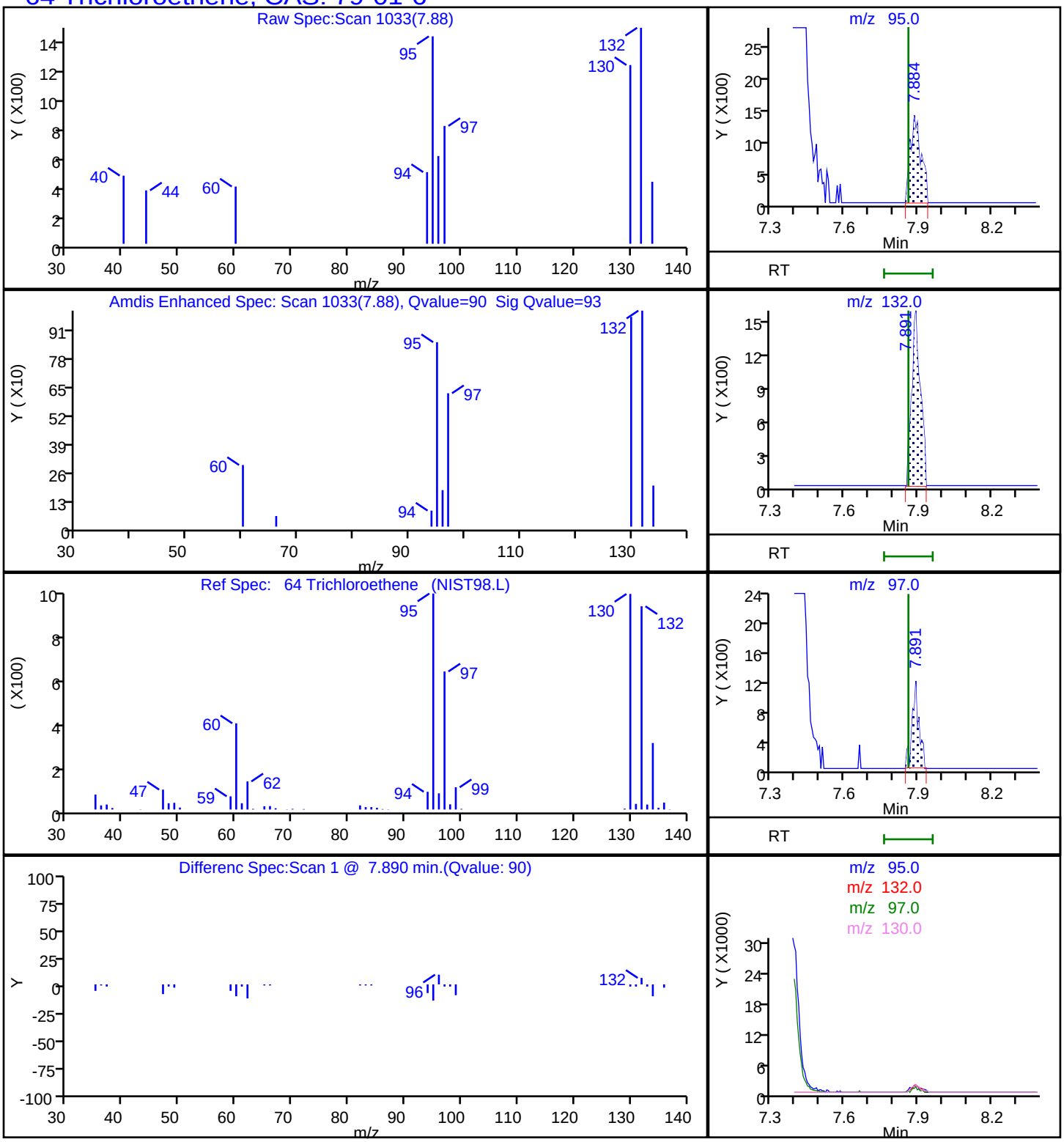
101 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X25.D				
Injection Date:	10-Jun-2024 18:38:30	Instrument ID:	19930		
Lims ID:	410-174025-A-12	Lab Sample ID:	410-174025-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

64 Trichloroethene, CAS: 79-01-6



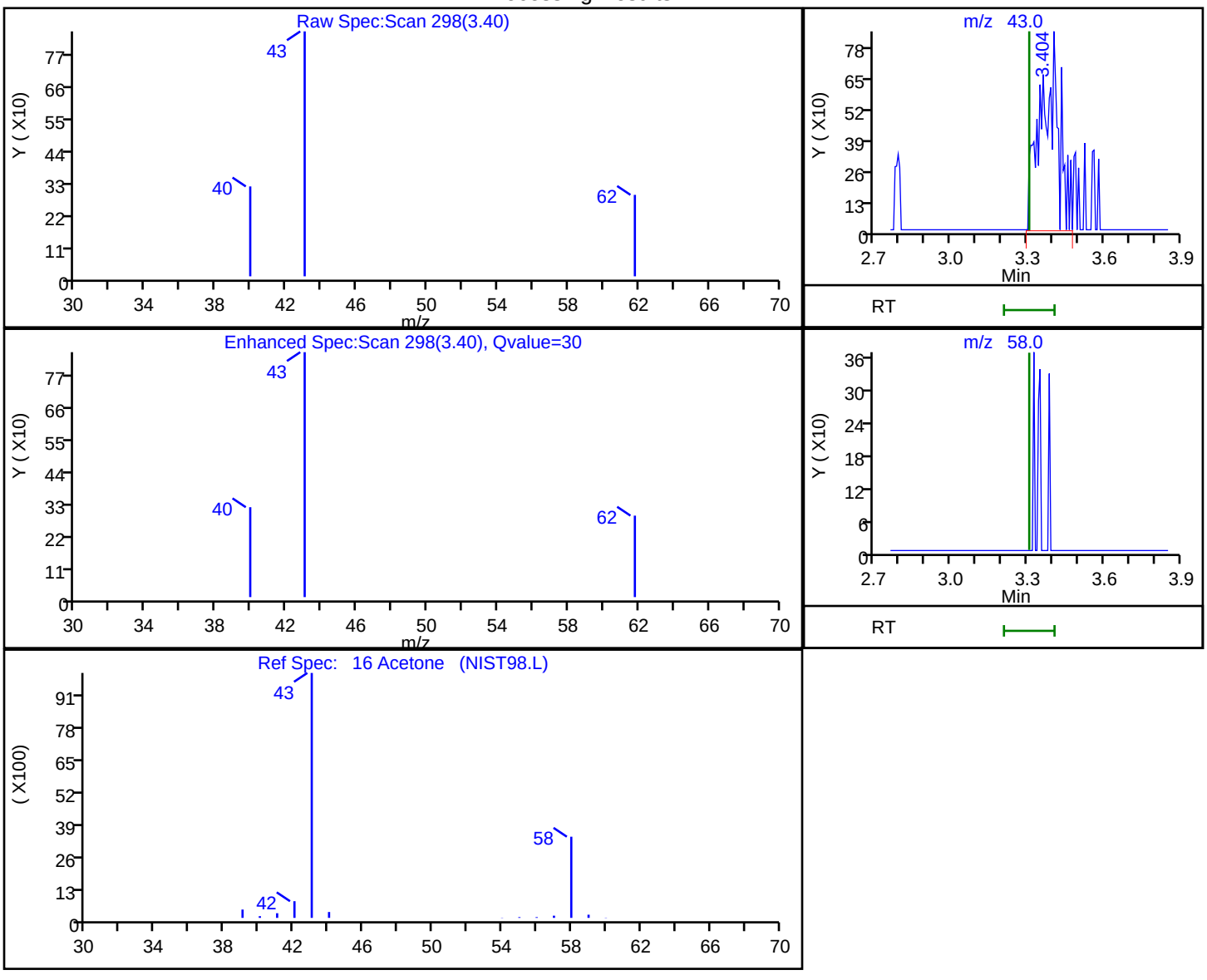
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X25.D				
Injection Date:	10-Jun-2024 18:38:30	Instrument ID:	19930		
Lims ID:	410-174025-A-12	Lab Sample ID:	410-174025-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.40	43.00	4063	1.038699
3.31	58.00	0	

Reviewer: FQ4L, 11-Jun-2024 08:21:38 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

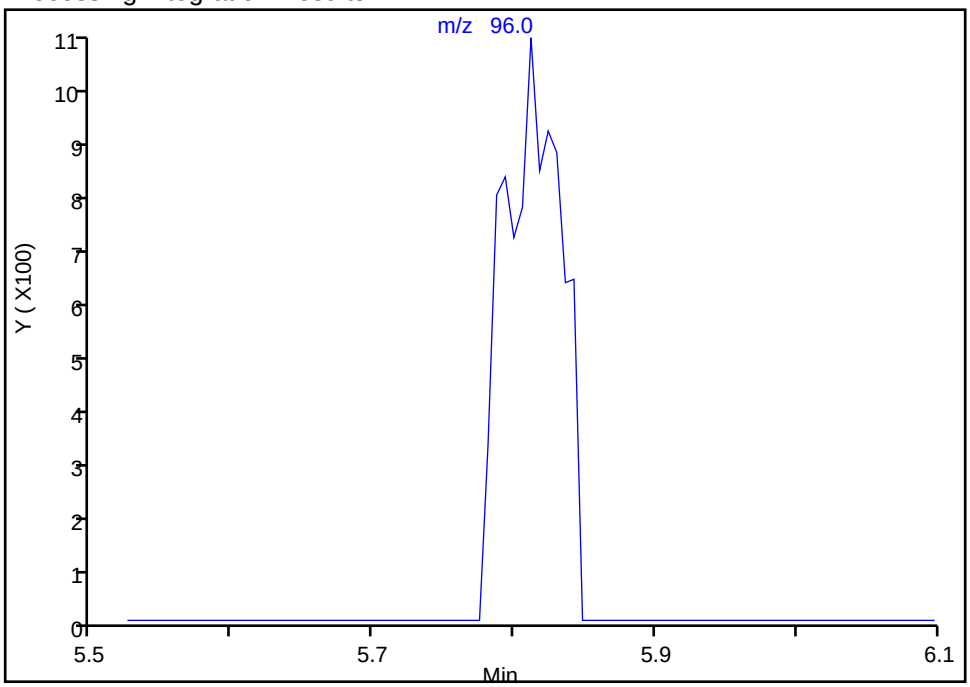
Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X25.D				
Injection Date:	10-Jun-2024 18:38:30	Instrument ID:	19930		
Lims ID:	410-174025-A-12	Lab Sample ID:	410-174025-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

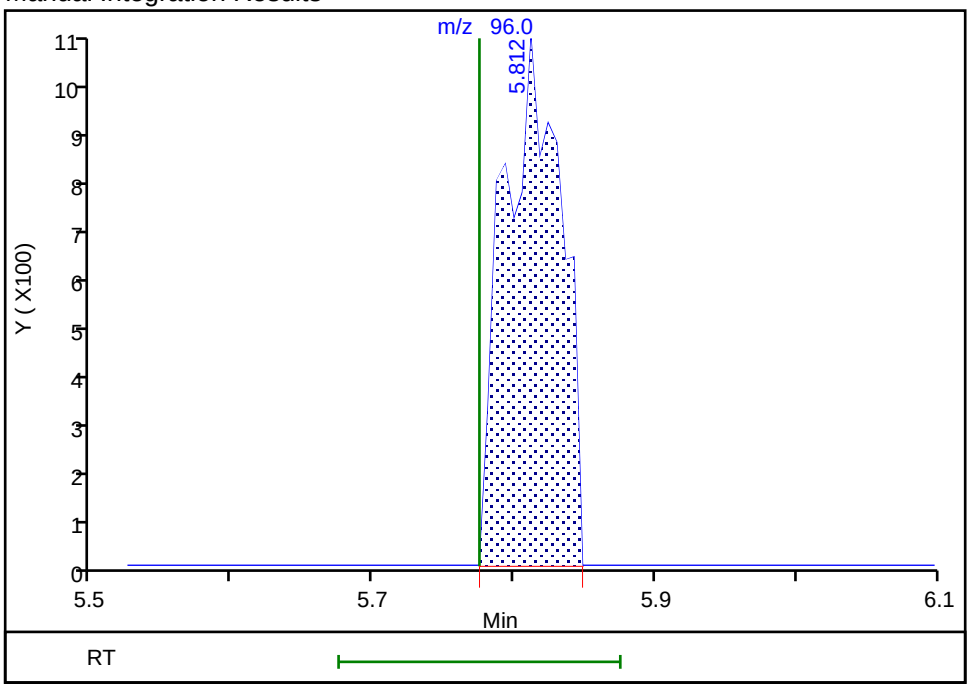
Not Detected
Expected RT: 5.78

Processing Integration Results



Manual Integration Results

RT: 5.81
Area: 2916
Amount: 0.086578
Amount Units: ug/l



Reviewer: FQ4L, 11-Jun-2024 08:21:49 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

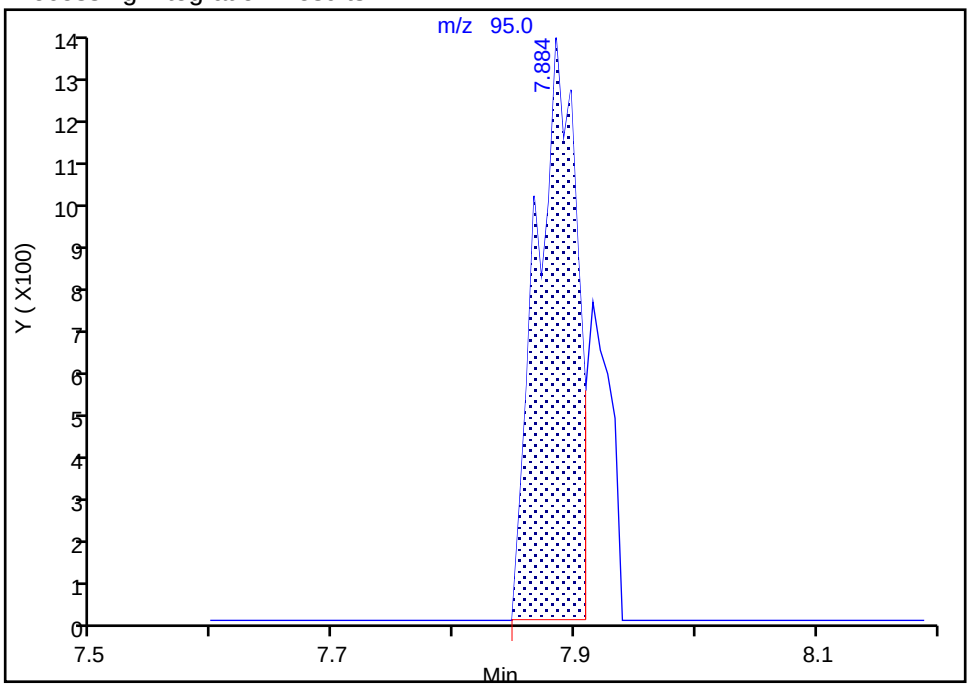
Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X25.D				
Injection Date:	10-Jun-2024 18:38:30	Instrument ID:	19930		
Lims ID:	410-174025-A-12	Lab Sample ID:	410-174025-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

64 Trichloroethene, CAS: 79-01-6

Signal: 1

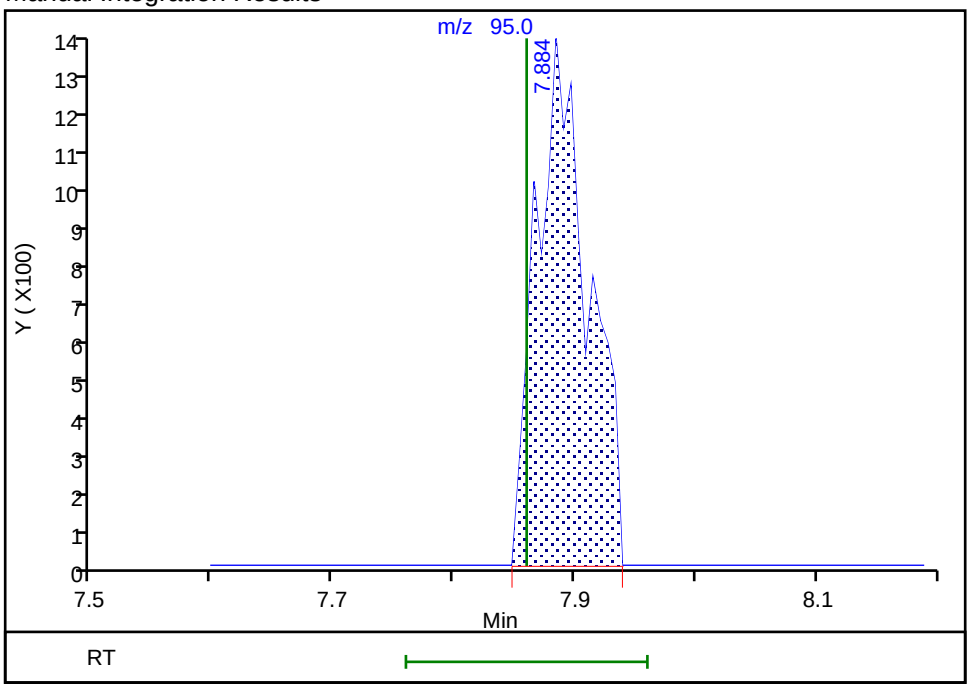
Processing Integration Results

RT: 7.88
Area: 3159
Amount: 0.094258
Amount Units: ug/l



Manual Integration Results

RT: 7.88
Area: 4040
Amount: 0.120545
Amount Units: ug/l



Reviewer: FQ4L, 11-Jun-2024 08:22:16 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.: 410-174025-1

SDG No.:

Client Sample ID: HD-QC1-0/1-1
Lab Sample ID: 410-174025-13

Matrix: Water
Lab File ID: GU11X18.D

Analysis Method: 8260D
Date Collected: 05/30/2024 12:00

Sample wt/vol: 25(mL)
Date Analyzed: 06/11/2024 16:43

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515924
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.7		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	1.2		0.50	0.10
75-35-4	1,1-Dichloroethene	0.45	J	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND	^c cn	5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	^c cn	5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.15	J	0.50	0.090
74-87-3	Chloromethane	ND	^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	2.4		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
108-88-3	Toluene	ND		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-QC1-0/1-1
Lab Sample ID: 410-174025-13

Matrix: Water
Lab File ID: GU11X18.D

Analysis Method: 8260D
Date Collected: 05/30/2024 12:00

Sample wt/vol: 25(mL)
Date Analyzed: 06/11/2024 16:43

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515924
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	2.3		0.50	0.080
75-01-4	Vinyl chloride	ND	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X18.D
Lims ID: 410-174025-A-13
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 11-Jun-2024 16:43:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116322-019
Operator ID: knk41612 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 12-Jun-2024 07:13:29 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1634

First Level Reviewer: FQ4L Date: 12-Jun-2024 07:13:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.032				ND	U
6 Vinyl chloride	62		2.142				ND	7
9 Bromomethane	94		2.459				ND	
10 Chloroethane	64		2.538				ND	
18 1,1-Dichloroethene	96	3.331	3.336	-0.005	97	18008	0.4507	
19 Acetone	43	3.373	3.373	0.000	97	6186	1.37	
24 Carbon disulfide	76	3.611	3.611	0.000	97	10558	0.0776	M
29 Methylene Chloride	84		3.952				ND	7
* 30 t-Butyl alcohol-d10 (IS)	65	3.977	3.983	-0.006	22	82120	50.0	
33 Methyl tert-butyl ether	73		4.342				ND	7
34 trans-1,2-Dichloroethene	96		4.342				ND	
37 1,1-Dichloroethane	63	5.007	5.007	0.000	96	94588	1.17	a
41 2-Butanone (MEK)	43		5.830				ND	
42 cis-1,2-Dichloroethene	96	5.842	5.848	-0.006	79	127511	2.38	
49 Chlorobromomethane	128		6.171				ND	
51 Chloroform	83	6.330	6.330	0.000	93	12871	0.1450	
$ 52 Dibromofluoromethane (Surr)	113	6.543	6.543	0.000	93	448549	9.54	
53 1,1,1-Trichloroethane	97	6.549	6.555	-0.006	97	448376	5.72	
55 Carbon tetrachloride	117		6.763				ND	7
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.994	7.000	-0.006	66	82754	9.72	
60 Benzene	78		7.031				ND	7
61 1,2-Dichloroethane	62		7.104				ND	
* 64 Fluorobenzene (IS)	96	7.433	7.439	-0.006	99	1968844	10.0	
68 Trichloroethene	95	7.921	7.921	0.000	99	120313	2.28	
70 1,2-Dichloropropane	63		8.244				ND	
76 Dichlorobromomethane	83		8.598				ND	
81 cis-1,3-Dichloropropene	75		9.159				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.347				ND	
$ 83 Toluene-d8 (Surr)	98	9.476	9.476	0.000	94	1886146	10.2	
84 Toluene	92	9.549	9.555	-0.006	95	3708	0.0299	
85 trans-1,3-Dichloropropene	75		9.823				ND	
107 1,1,2-Trichloroethane	97		10.030				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.116	10.122	-0.006	95	5601234	94.9	E
110 2-Hexanone	43		10.262				ND	
112 Chlorodibromomethane	129		10.408				ND	
113 Ethylene Dibromide	107		10.518				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	1427763	10.0	
116 Chlorobenzene	112		10.987				ND	
117 1,1,1,2-Tetrachloroethane	131		11.073				ND	
118 Ethylbenzene	91		11.079				ND	
120 m-Xylene & p-Xylene	106		11.195				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.524				ND	
122 Styrene	104		11.542				ND	
123 Bromoform	173		11.695				ND	
$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	89	643207	9.48	
128 1,1,2,2-Tetrachloroethane	83		12.073				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	651337	10.0	

QC Flag Legend

Processing Flags
- E - Exceeded Maximum Amount
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MSV_29_826ISS_00054 Amount Added: 1.00 Units: uL Run Reagent

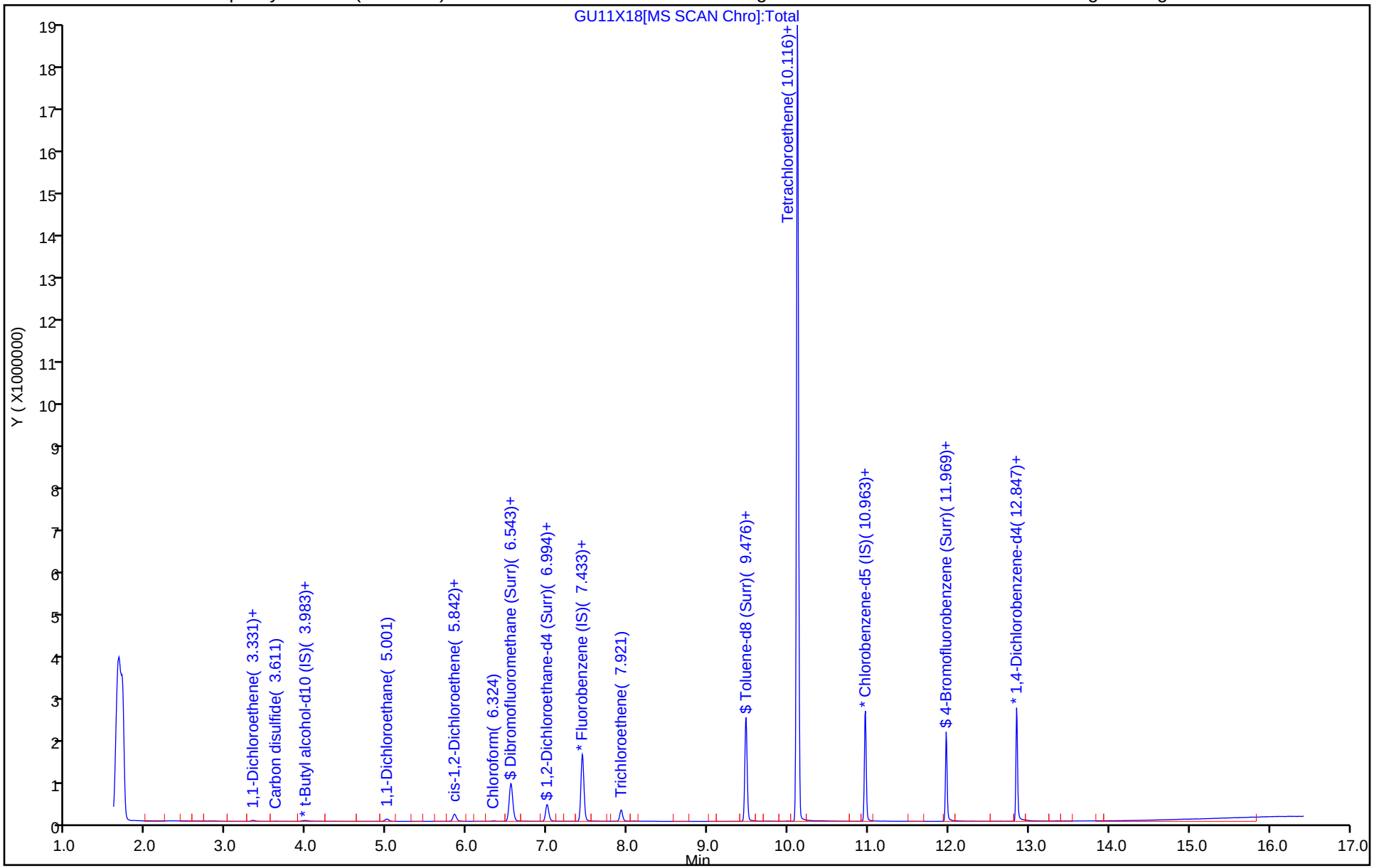
Report Date: 12-Jun-2024 07:13:30 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X18.D

Injection Date:	11-Jun-2024 16:43:30	Instrument ID:	16334	Operator ID:	knk41612
Lims ID:	410-174025-A-13	Lab Sample ID:	410-174025-13	Worklist Smp#:	19
Client ID:	HD-QC1-0/1-1				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X18.D				
Lims ID:	410-174025-A-13				
Client ID:	HD-QC1-0/1-1				
Sample Type:	Client				
Inject. Date:	11-Jun-2024 16:43:30	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0116322-019				
Operator ID:	knk41612	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	12-Jun-2024 07:13:29	Calib Date:	20-Feb-2024 04:53:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1634				

First Level Reviewer: FQ4L Date: 12-Jun-2024 07:13:29

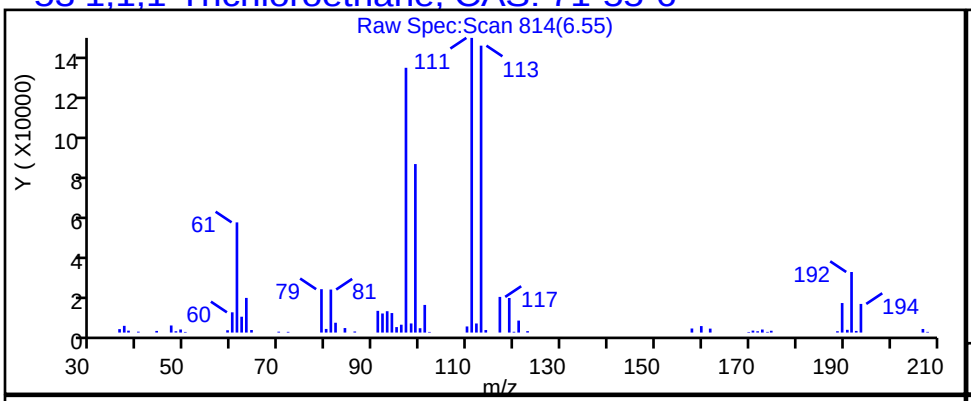
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.54	95.40
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.72	97.24
$ 83 Toluene-d8 (Surr)	10.0	10.2	101.87
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.48	94.82

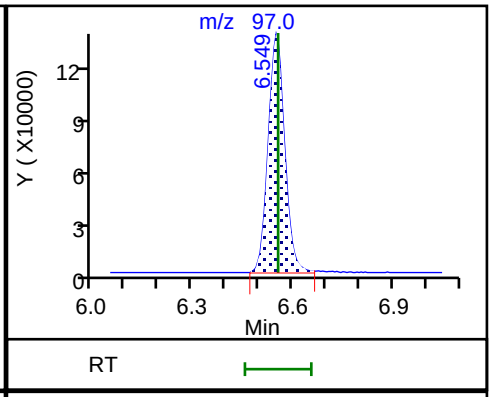
Report Date: 12-Jun-2024 07:13:30 Chrom Revision: 2.3 03-Jun-2024 20:58:40

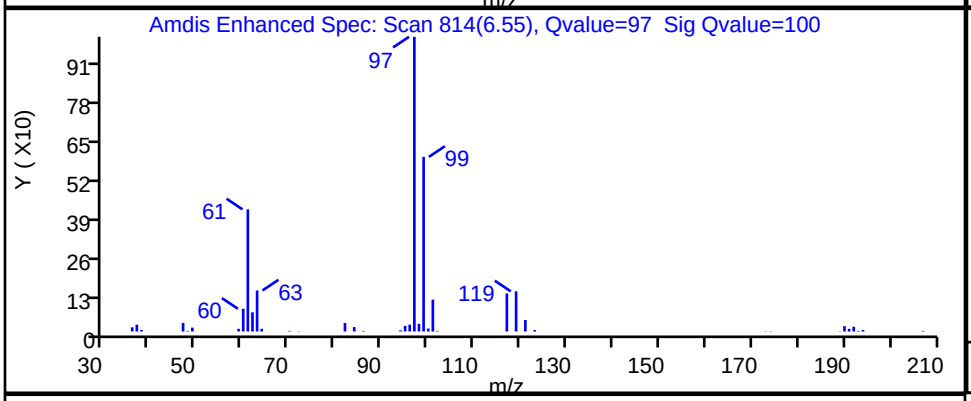
Eurofins Lancaster Laboratories Environment Testing, LLC

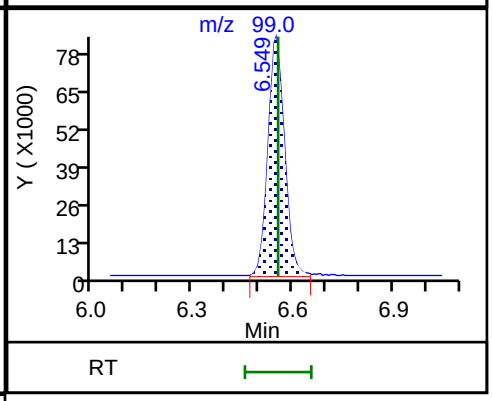
Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X18.D				
Injection Date:	11-Jun-2024 16:43:30	Instrument ID:	16334		
Lims ID:	410-174025-A-13	Lab Sample ID:	410-174025-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

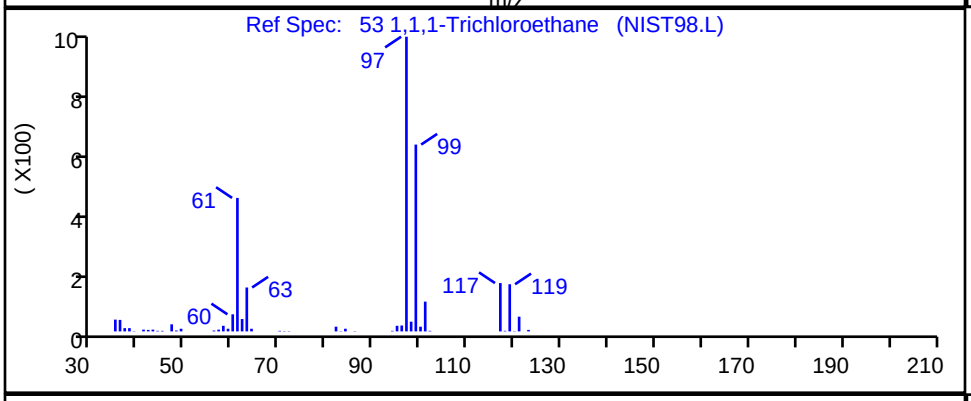
53 1,1,1-Trichloroethane, CAS: 71-55-6

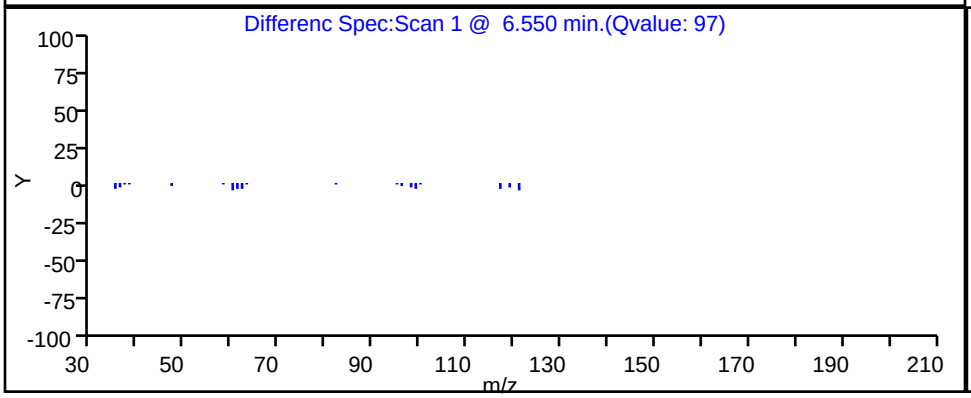


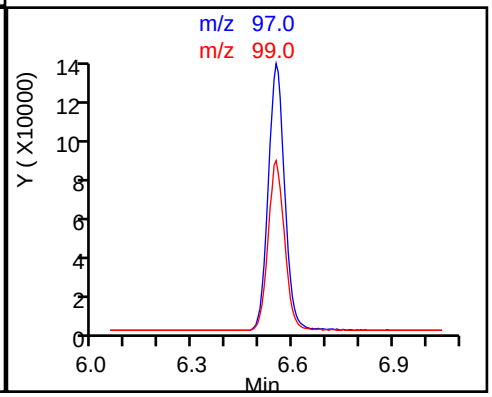








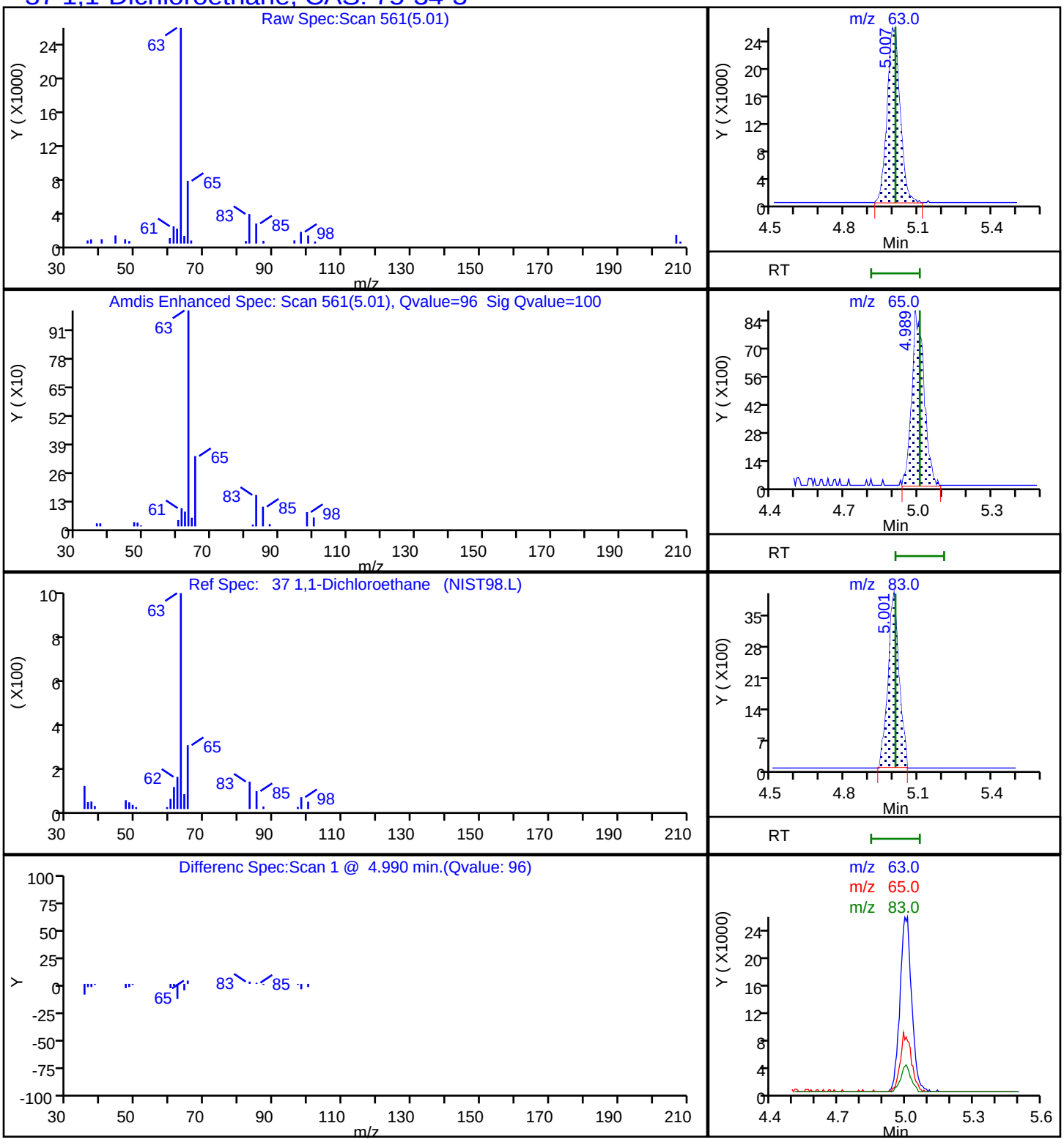




Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X18.D				
Injection Date:	11-Jun-2024 16:43:30	Instrument ID:	16334		
Lims ID:	410-174025-A-13	Lab Sample ID:	410-174025-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

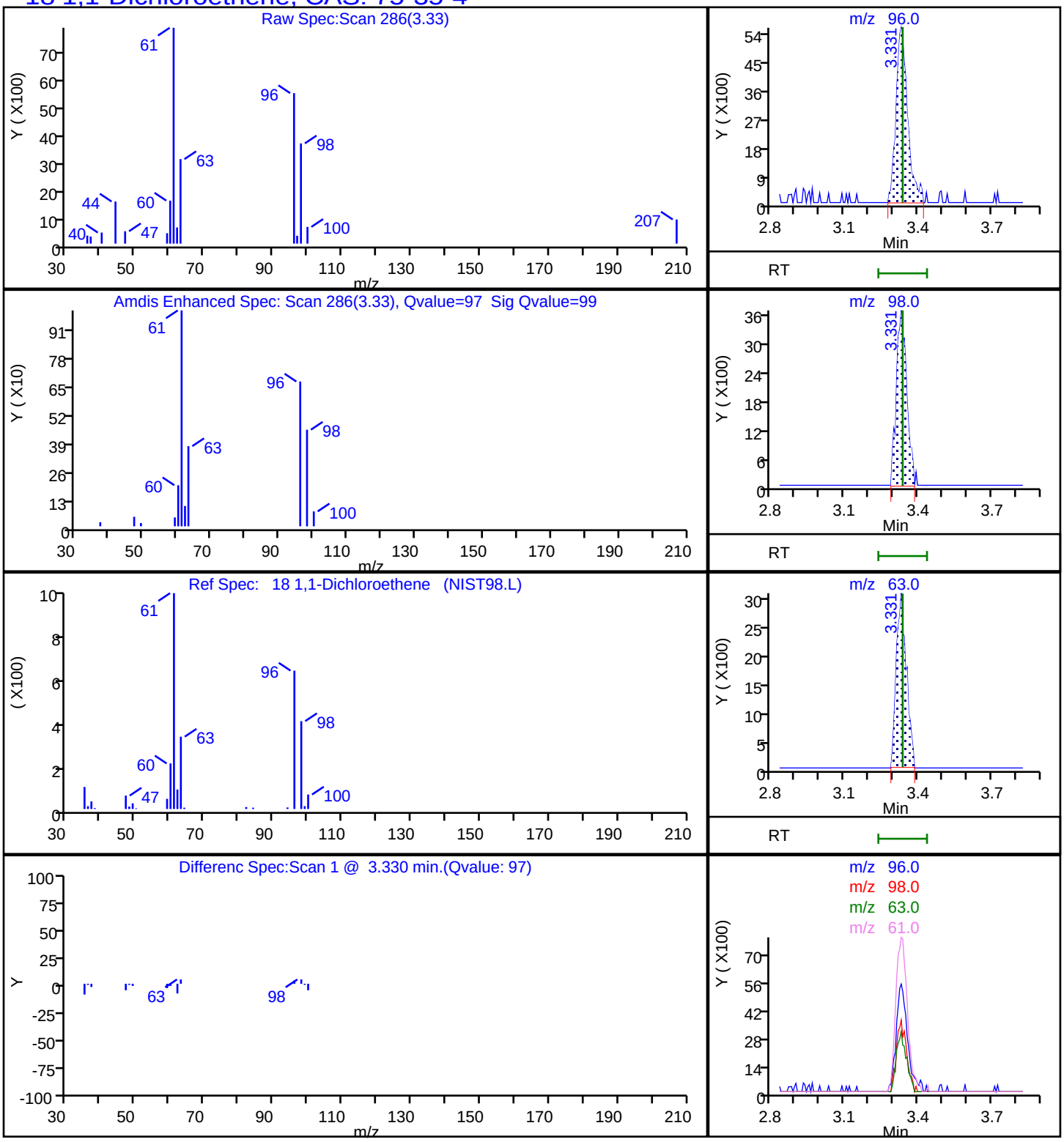
37 1,1-Dichloroethane, CAS: 75-34-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X18.D				
Injection Date:	11-Jun-2024 16:43:30	Instrument ID:	16334		
Lims ID:	410-174025-A-13	Lab Sample ID:	410-174025-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

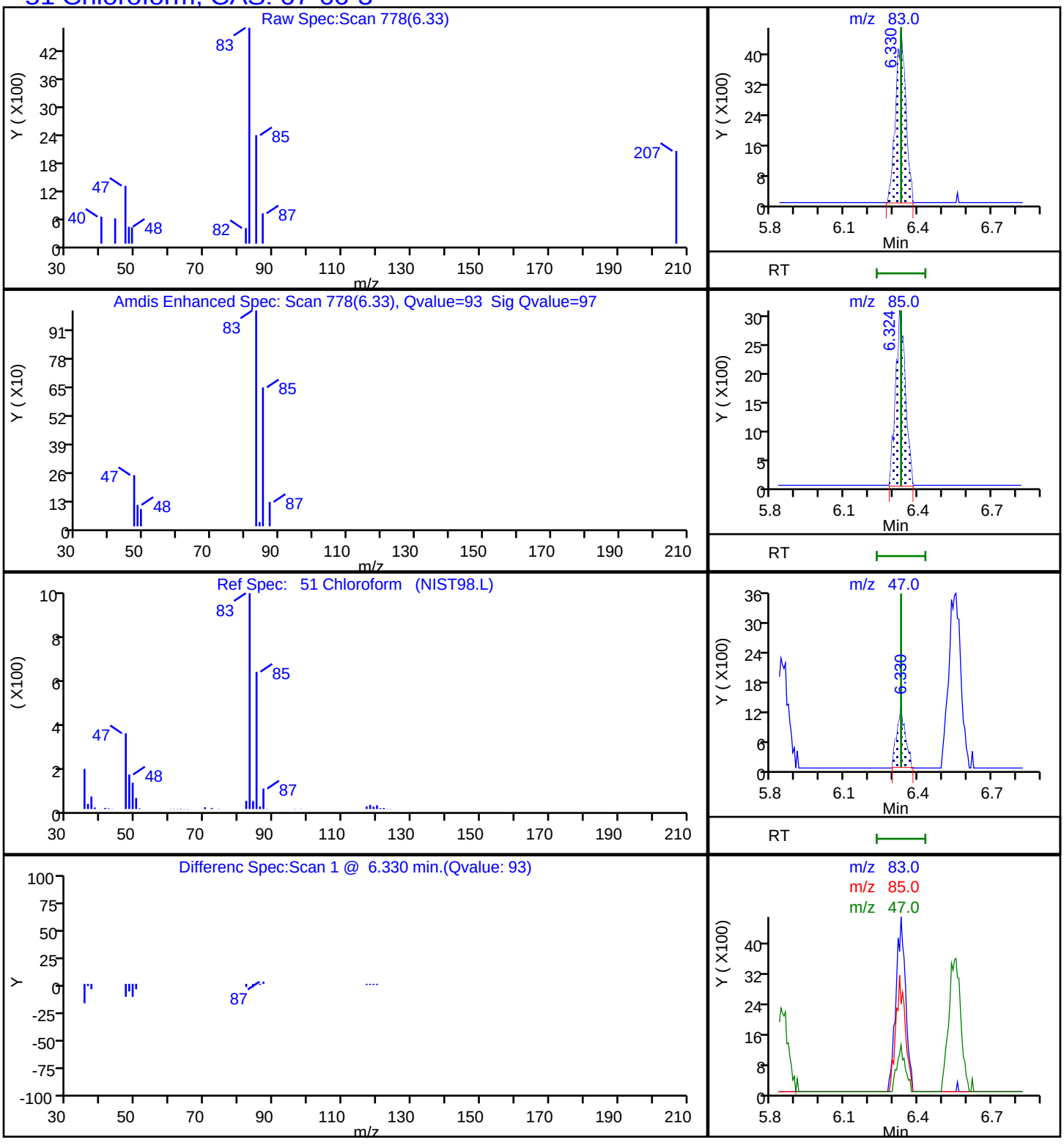
18 1,1-Dichloroethene, CAS: 75-35-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X18.D				
Injection Date:	11-Jun-2024 16:43:30	Instrument ID:	16334		
Lims ID:	410-174025-A-13	Lab Sample ID:	410-174025-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

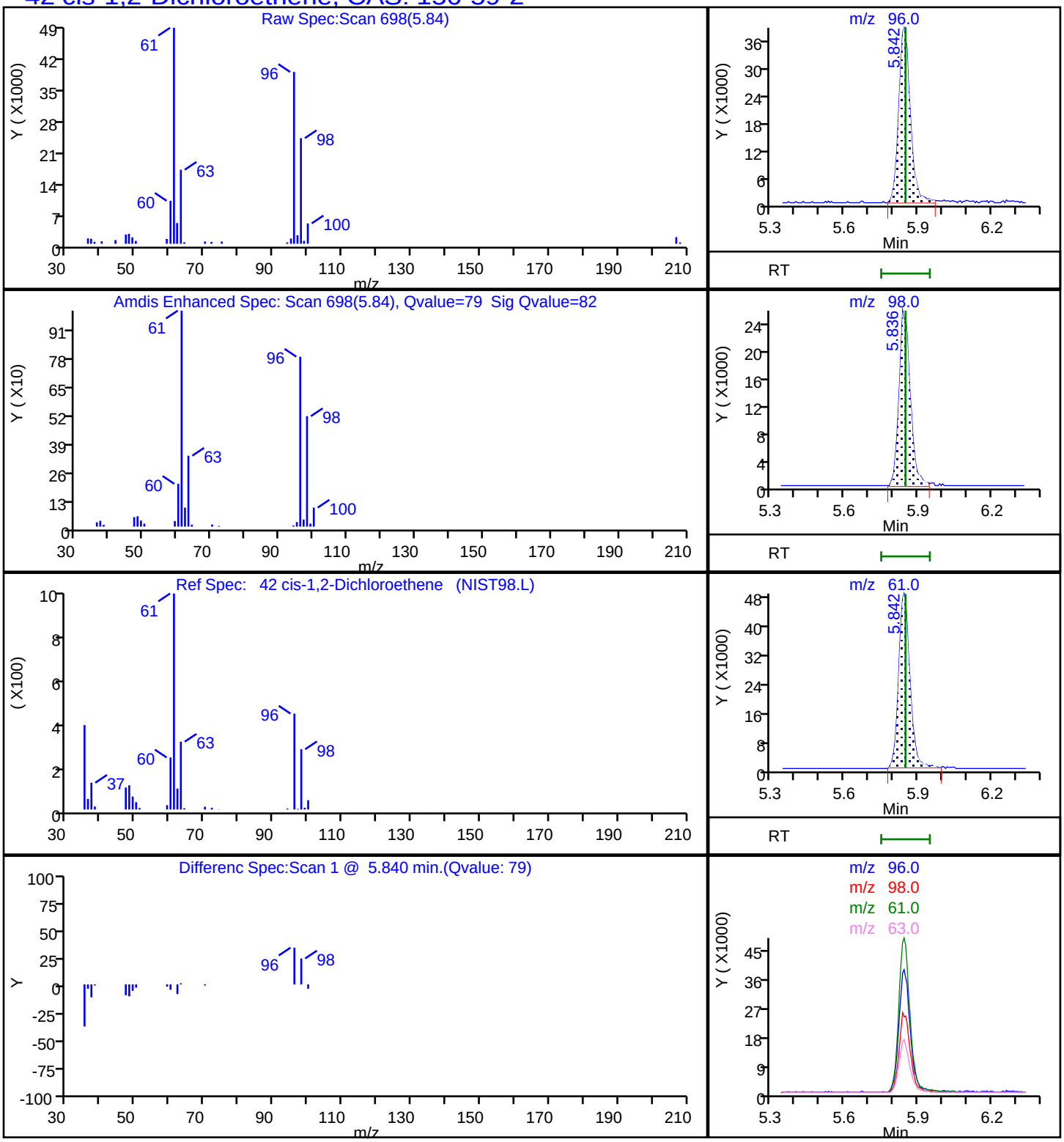
51 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X18.D				
Injection Date:	11-Jun-2024 16:43:30	Instrument ID:	16334		
Lims ID:	410-174025-A-13	Lab Sample ID:	410-174025-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

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



Report Date: 12-Jun-2024 07:13:30 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X18.D

Injection Date: 11-Jun-2024 16:43:30 Instrument ID: 16334

Lims ID: 410-174025-A-13 Lab Sample ID: 410-174025-13

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

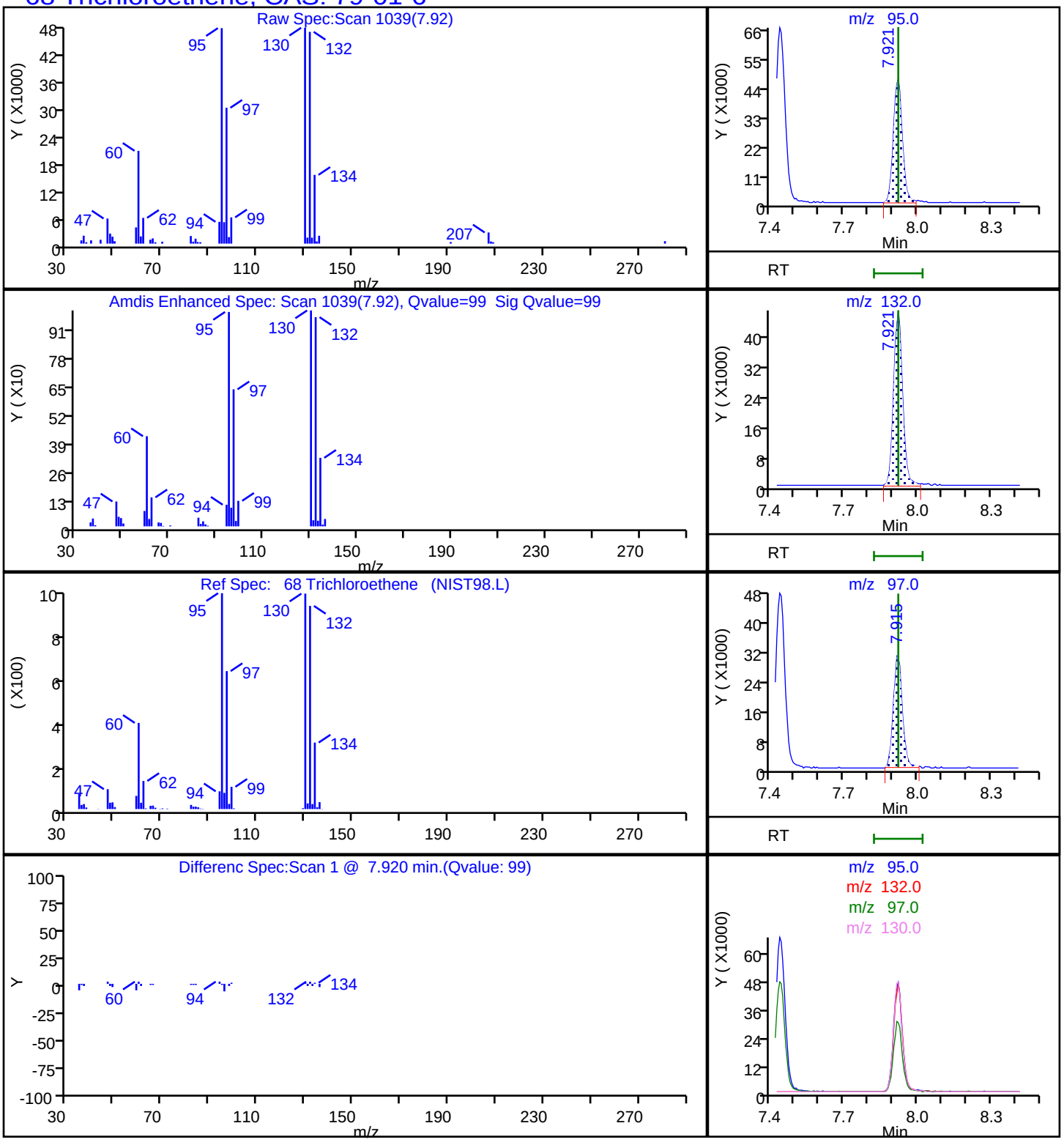
Operator ID: knk41612 ALS Bottle#: 18 Worklist Smp#: 19

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_16334_25mL Limit Group: MSV - 8260C_D

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

68 Trichloroethene, CAS: 79-01-6



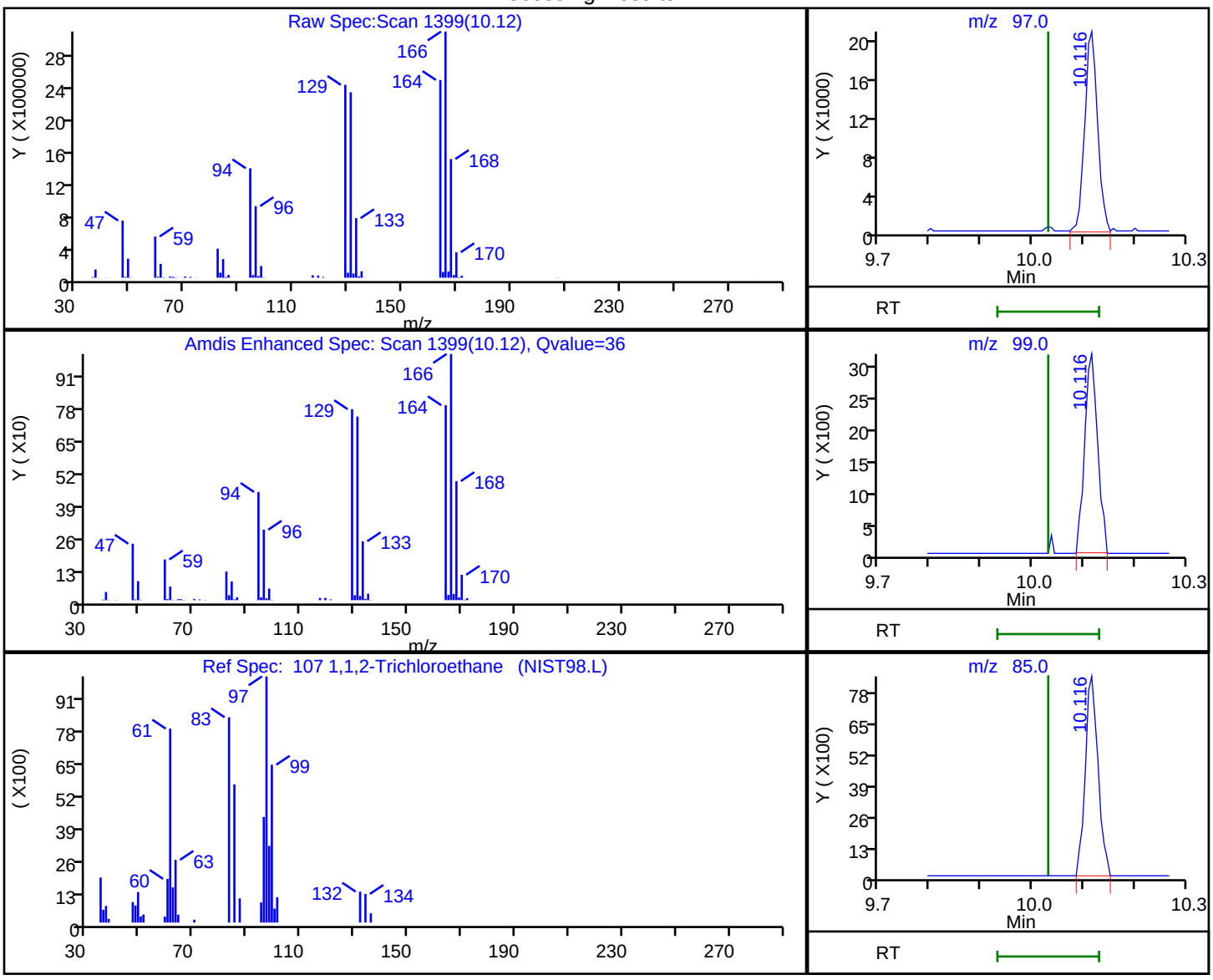
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X18.D				
Injection Date:	11-Jun-2024 16:43:30	Instrument ID:	16334		
Lims ID:	410-174025-A-13	Lab Sample ID:	410-174025-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

107 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
10.12	97.00	35949	1.276928
10.12	99.00	5584	
10.12	85.00	14655	
10.12	83.00	110639	

Reviewer: FQ4L, 12-Jun-2024 07:13:17 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

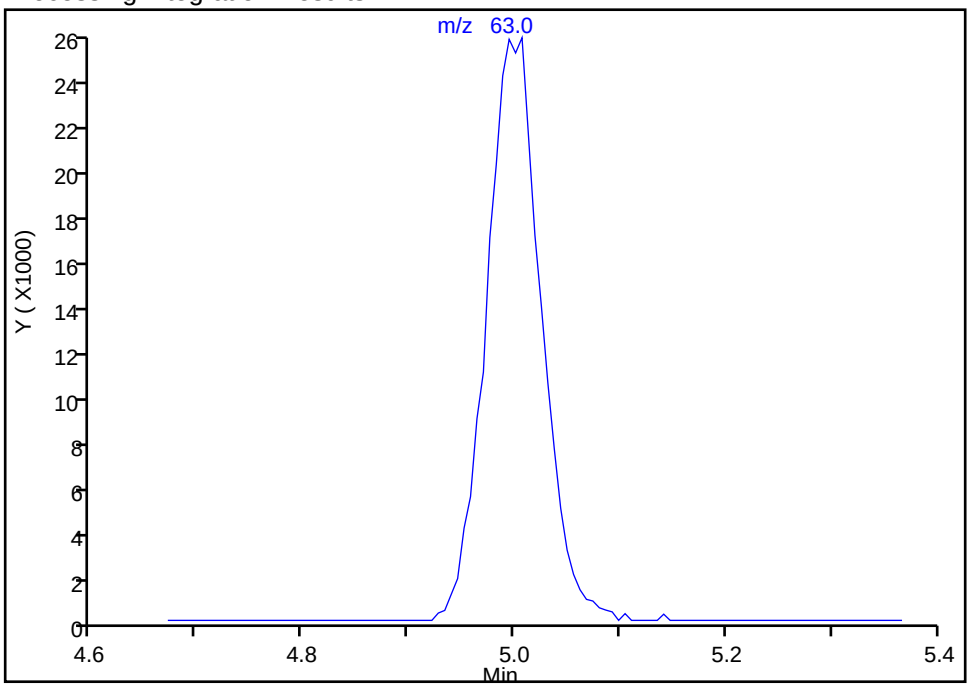
Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X18.D				
Injection Date:	11-Jun-2024 16:43:30	Instrument ID:	16334		
Lims ID:	410-174025-A-13	Lab Sample ID:	410-174025-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

37 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

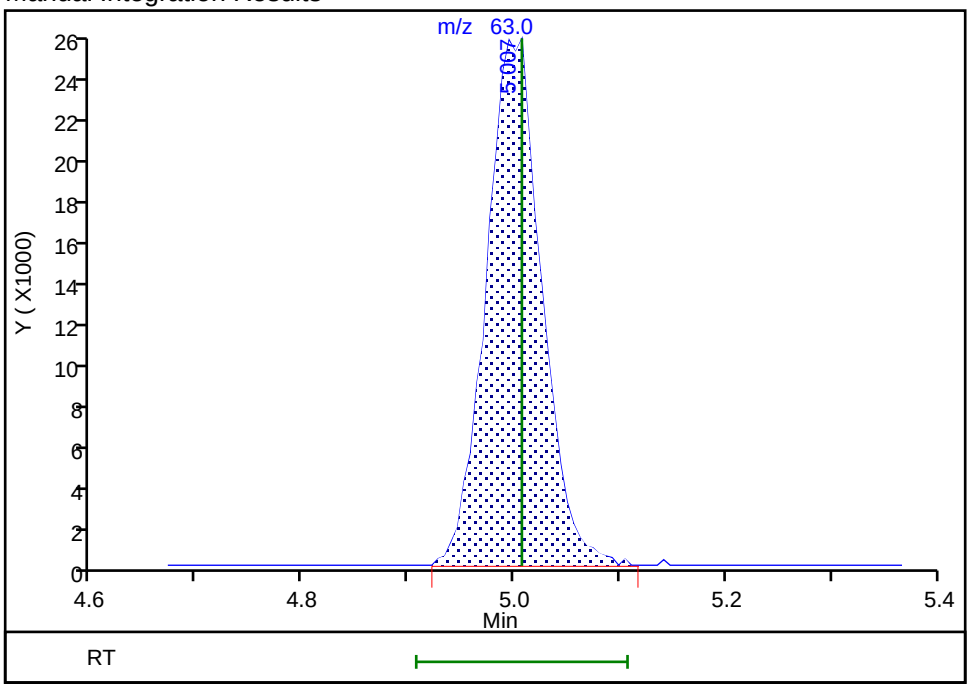
Not Detected
Expected RT: 5.01

Processing Integration Results



Manual Integration Results

RT: 5.01
Area: 94588
Amount: 1.174953
Amount Units: ug/l



Reviewer: FQ4L, 12-Jun-2024 07:13:01 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

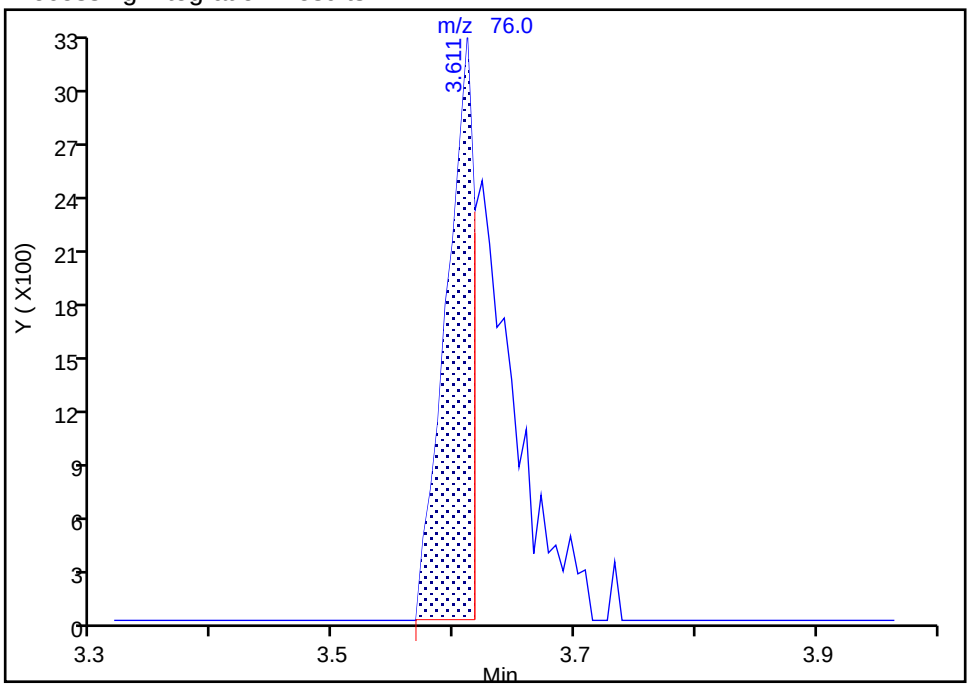
Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X18.D				
Injection Date:	11-Jun-2024 16:43:30	Instrument ID:	16334		
Lims ID:	410-174025-A-13	Lab Sample ID:	410-174025-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

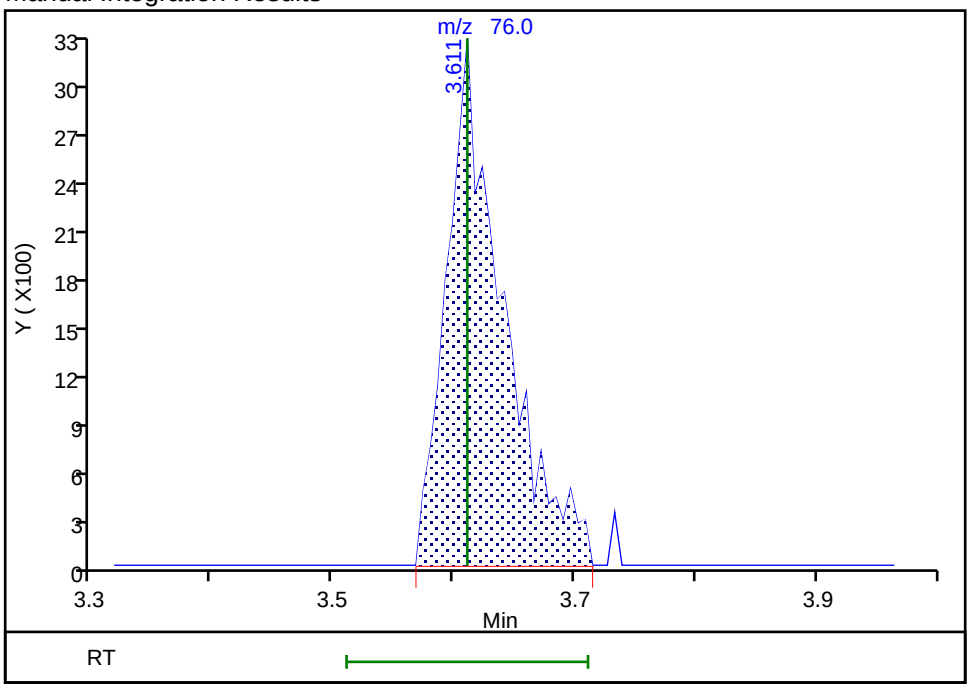
Processing Integration Results

RT: 3.61
Area: 5300
Amount: 0.038946
Amount Units: ug/l



Manual Integration Results

RT: 3.61
Area: 10558
Amount: 0.077583
Amount Units: ug/l



Reviewer: FQ4L, 12-Jun-2024 07:12:51 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

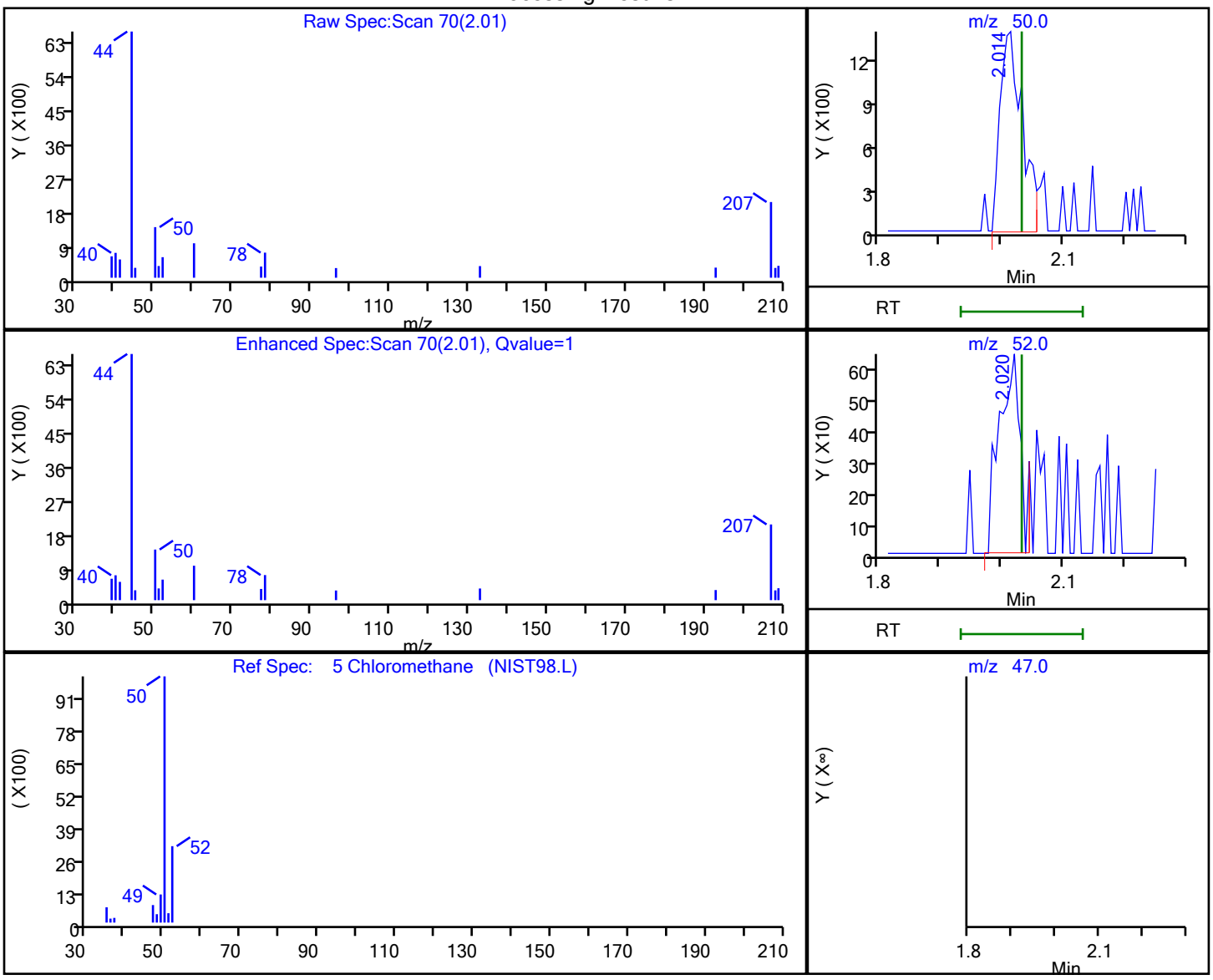
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X18.D				
Injection Date:	11-Jun-2024 16:43:30	Instrument ID:	16334		
Lims ID:	410-174025-A-13	Lab Sample ID:	410-174025-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

5 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
2.01	50.00	3417	0.057743
2.02	52.00	1583	
2.03	47.00	0	

Reviewer: FQ4L, 12-Jun-2024 07:12:29 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.: 410-174025-1

SDG No.:

Client Sample ID: HD-QC1-0/1-1 DL
Lab Sample ID: 410-174025-13 DL

Matrix: Water
Lab File ID: GU11X19.D

Analysis Method: 8260D
Date Collected: 05/30/2024 12:00

Sample wt/vol: 25(mL)
Date Analyzed: 06/11/2024 17:05

Soil Aliquot Vol:
Dilution Factor: 10

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515924
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	68		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X19.D
Lims ID: 410-174025-B-13 DL
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 11-Jun-2024 17:05:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0116322-020
Operator ID: knk41612 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 12-Jun-2024 07:14:19 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1634

First Level Reviewer: FQ4L Date: 12-Jun-2024 07:14:19

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	5 Chloromethane	50		2.032				ND	7
	6 Vinyl chloride	62		2.142				ND	
	9 Bromomethane	94		2.459				ND	
	10 Chloroethane	64		2.538				ND	
	18 1,1-Dichloroethene	96		3.336				ND	U
	19 Acetone	43		3.373				ND	U
	24 Carbon disulfide	76		3.611				ND	7
	29 Methylene Chloride	84		3.952				ND	7
*	30 t-Butyl alcohol-d10 (IS)	65	3.976	3.983	-0.007	24	95135	50.0	
	33 Methyl tert-butyl ether	73		4.342				ND	
	34 trans-1,2-Dichloroethene	96		4.342				ND	
	37 1,1-Dichloroethane	63	5.001	5.007	-0.006	92	8103	0.0881	a
	41 2-Butanone (MEK)	43		5.830				ND	
	42 cis-1,2-Dichloroethene	96	5.848	5.848	0.000	78	11038	0.1799	a
	49 Chlorobromomethane	128		6.171				ND	
	51 Chloroform	83		6.330				ND	
$	52 Dibromofluoromethane (Surr)	113	6.537	6.543	-0.006	93	512985	9.55	
	53 1,1,1-Trichloroethane	97	6.549	6.555	-0.006	66	38104	0.4254	
	55 Carbon tetrachloride	117		6.763				ND	
$	59 1,2-Dichloroethane-d4 (Surr)	102	6.994	7.000	-0.006	66	95091	9.78	
	60 Benzene	78		7.031				ND	
	61 1,2-Dichloroethane	62		7.104				ND	
*	64 Fluorobenzene (IS)	96	7.433	7.439	-0.006	99	2250524	10.0	
	68 Trichloroethene	95	7.921	7.921	0.000	96	10321	0.1708	a
	70 1,2-Dichloropropane	63		8.244				ND	
	76 Dichlorobromomethane	83		8.598				ND	
	81 cis-1,3-Dichloropropene	75		9.159				ND	
	82 4-Methyl-2-pentanone (MIBK)	43		9.347				ND	7
$	83 Toluene-d8 (Surr)	98	9.475	9.476	-0.001	94	2169333	10.2	
	84 Toluene	92		9.555				ND	7
	85 trans-1,3-Dichloropropene	75		9.823				ND	
	107 1,1,2-Trichloroethane	97		10.030				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.116	10.122	-0.006	97	457866	6.76	
110 2-Hexanone	43		10.262				ND	
112 Chlorodibromomethane	129		10.408				ND	
113 Ethylene Dibromide	107		10.518				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	1637801	10.0	
116 Chlorobenzene	112		10.987				ND	
117 1,1,1,2-Tetrachloroethane	131		11.073				ND	
118 Ethylbenzene	91		11.079				ND	
120 m-Xylene & p-Xylene	106		11.195				ND	
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.524				ND	
122 Styrene	104		11.542				ND	
123 Bromoform	173		11.695				ND	
$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	88	739938	9.51	
128 1,1,2,2-Tetrachloroethane	83		12.073				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	769632	10.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

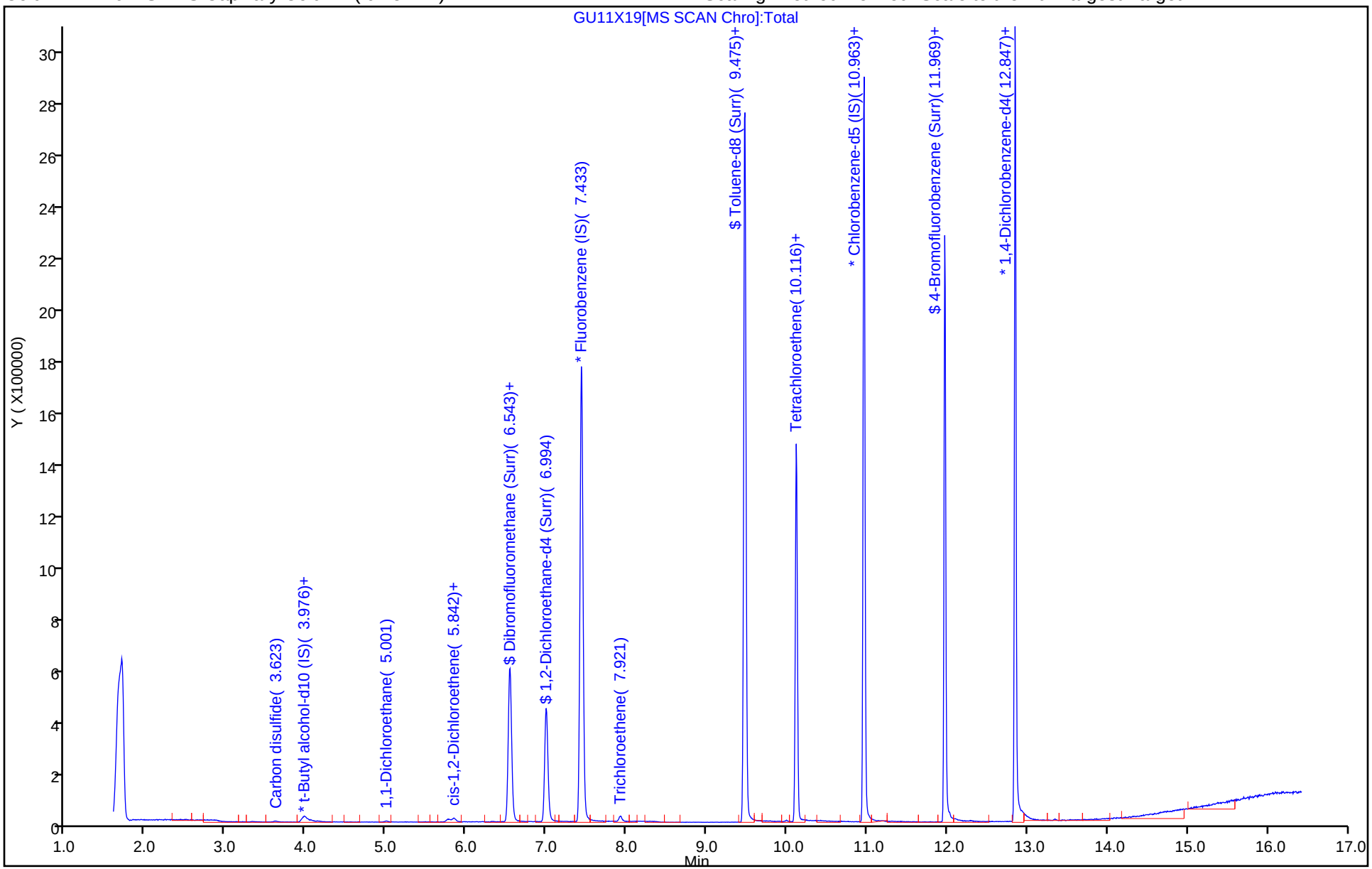
MSV_29_826ISS_00054 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 12-Jun-2024 07:14:19 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X19.D				
Injection Date:	11-Jun-2024 17:05:30	Instrument ID:	16334	Operator ID:	knk41612
Lims ID:	410-174025-B-13 DL	Lab Sample ID:	410-174025-13	Worklist Smp#:	20
Client ID:	HD-QC1-0/1-1				
Purge Vol:	25.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	19
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X19.D				
Lims ID:	410-174025-B-13 DL				
Client ID:	HD-QC1-0/1-1				
Sample Type:	Client				
Inject. Date:	11-Jun-2024 17:05:30	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Sample Info:	410-0116322-020				
Operator ID:	knk41612	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	12-Jun-2024 07:14:19	Calib Date:	20-Feb-2024 04:53:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1634				

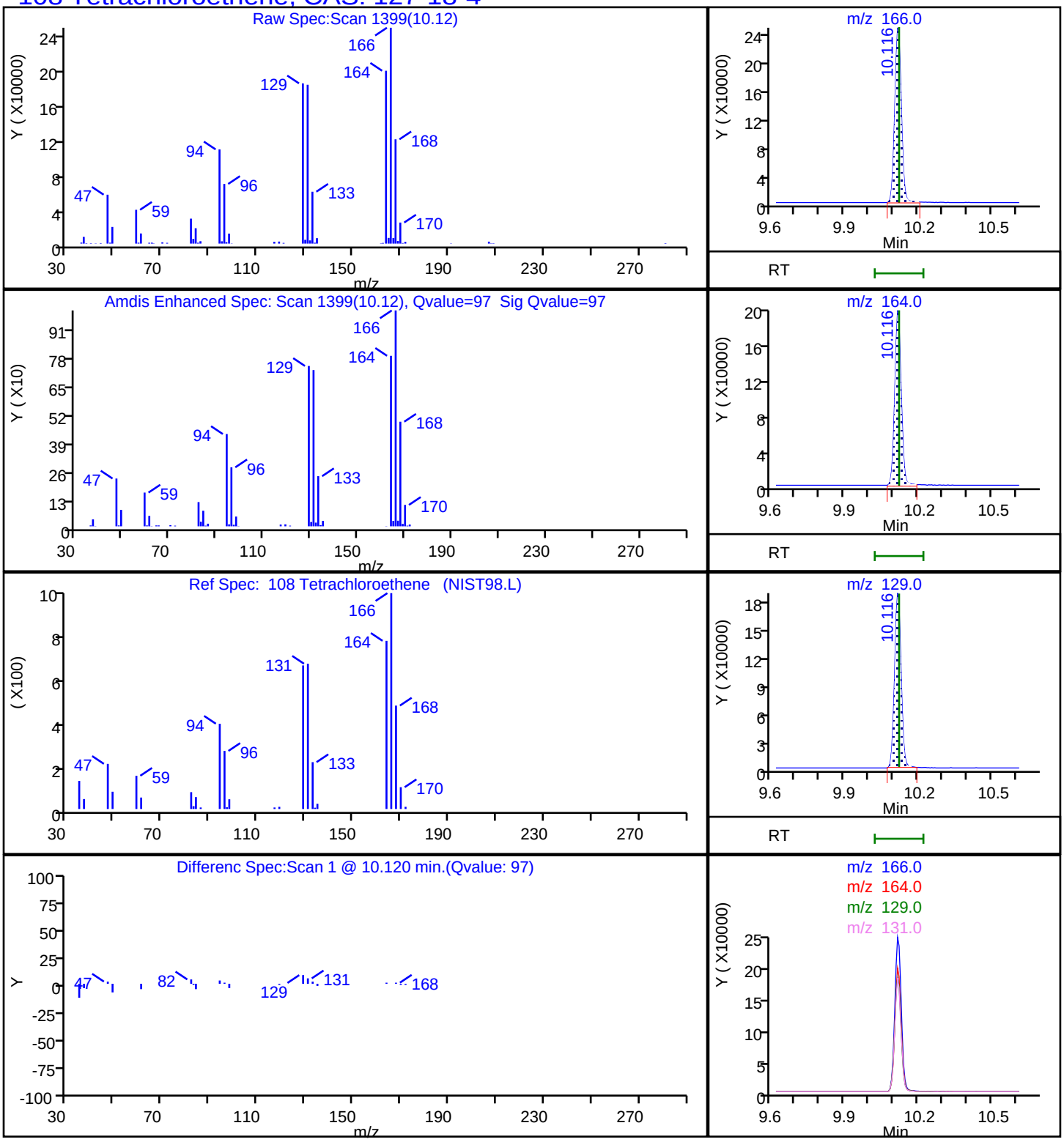
First Level Reviewer: FQ4L Date: 12-Jun-2024 07:14:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.55	95.45
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.78	97.75
$ 83 Toluene-d8 (Surr)	10.0	10.2	102.14
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.51	95.09

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X19.D				
Injection Date:	11-Jun-2024 17:05:30	Instrument ID:	16334		
Lims ID:	410-174025-B-13 DL	Lab Sample ID:	410-174025-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

108 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-174025-14

Matrix: Water
Lab File ID: copy_IU10X06.D

Analysis Method: 8260D
Date Collected: 05/30/2024 00:00

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 12:00

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-174025-14

Matrix: Water
Lab File ID: copy_IU10X06.D

Analysis Method: 8260D
Date Collected: 05/30/2024 00:00

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 12:00

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	ND		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\copy_IU10X06.D
Lims ID: 410-174025-A-14
Client ID: HD-QC1-0/1-2
Sample Type: Client
Inject. Date: 10-Jun-2024 12:00:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-008
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 07:39:57 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 07:42:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.001				ND	U
5 Vinyl chloride	62		2.111				ND	
7 Bromomethane	94		2.416				ND	
8 Chloroethane	64		2.489				ND	
15 1,1-Dichloroethene	96		3.276				ND	
16 Acetone	43		3.306				ND	
20 Carbon disulfide	76		3.556				ND	7
25 Methylene Chloride	84	3.903	3.891	0.012	87	2539	0.0826	
* 26 t-Butyl alcohol-d10 (IS)	65	3.916	3.903	0.013	89	85413	50.0	
29 Methyl tert-butyl ether	73		4.263				ND	
30 trans-1,2-Dichloroethene	96		4.281				ND	
32 1,1-Dichloroethane	63		4.940				ND	
38 2-Butanone (MEK)	43		5.757				ND	
39 cis-1,2-Dichloroethene	96		5.775				ND	
46 Chlorobromomethane	128		6.116				ND	
48 Chloroform	83	6.281	6.269	0.012	78	2833	0.0474	
$ 49 Dibromofluoromethane (Surr)	113	6.494	6.482	0.012	94	279890	10.6	
50 1,1,1-Trichloroethane	97		6.488				ND	
54 Carbon tetrachloride	117		6.714				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.933	0.013	63	56793	10.4	
57 Benzene	78		6.970				ND	
58 1,2-Dichloroethane	62		7.043				ND	
* 61 Fluorobenzene (IS)	96	7.378	7.378	0.000	99	1097157	10.0	
64 Trichloroethene	95		7.860				ND	
66 1,2-Dichloropropane	63		8.189				ND	
71 Dichlorobromomethane	83		8.537				ND	
76 cis-1,3-Dichloropropene	75		9.098				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.280				ND	
$ 78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1110994	9.69	
79 Toluene	92		9.500				ND	7
97 trans-1,3-Dichloropropene	75		9.774				ND	
100 1,1,2-Trichloroethane	97		9.982				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166		10.067				ND	
103 2-Hexanone	43		10.201				ND	
105 Chlorodibromomethane	129		10.366				ND	
106 Ethylene Dibromide	107		10.475				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	872594	10.0	
109 Chlorobenzene	112		10.939				ND	
111 1,1,1,2-Tetrachloroethane	131		11.024				ND	
112 Ethylbenzene	91		11.030				ND	
113 m-Xylene & p-Xylene	106		11.146				ND	
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	94	408717	9.66	
121 1,1,2,2-Tetrachloroethane	83		12.024				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	94	501712	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

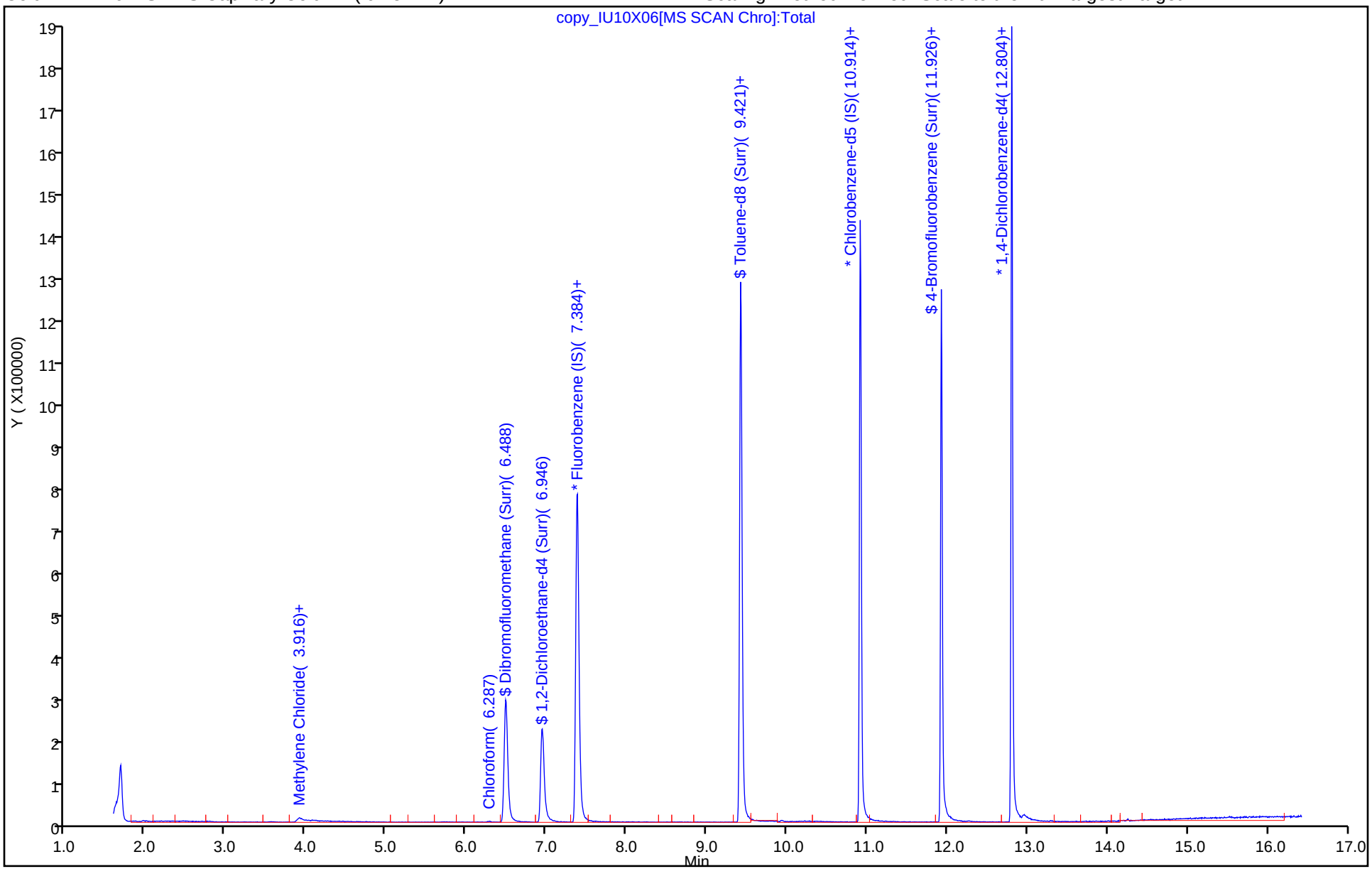
Report Date: 11-Jun-2024 07:42:25 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\copy_IU10X06.D

Injection Date:	10-Jun-2024 12:00:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	410-174025-A-14	Lab Sample ID:	410-174025-14	Worklist Smp#:	7
Client ID:	HD-QC1-0/1-2				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\copy_IU10X06.D				
Lims ID:	410-174025-A-14				
Client ID:	HD-QC1-0/1-2				
Sample Type:	Client				
Inject. Date:	10-Jun-2024 12:00:30	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0116210-008				
Operator ID:	knk41612	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	11-Jun-2024 07:39:57	Calib Date:	29-Feb-2024 01:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1691				

First Level Reviewer: FQ4L Date: 11-Jun-2024 07:42:24

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.6	106.02
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	104.23
$ 78 Toluene-d8 (Surr)	10.0	9.69	96.88
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.66	96.56

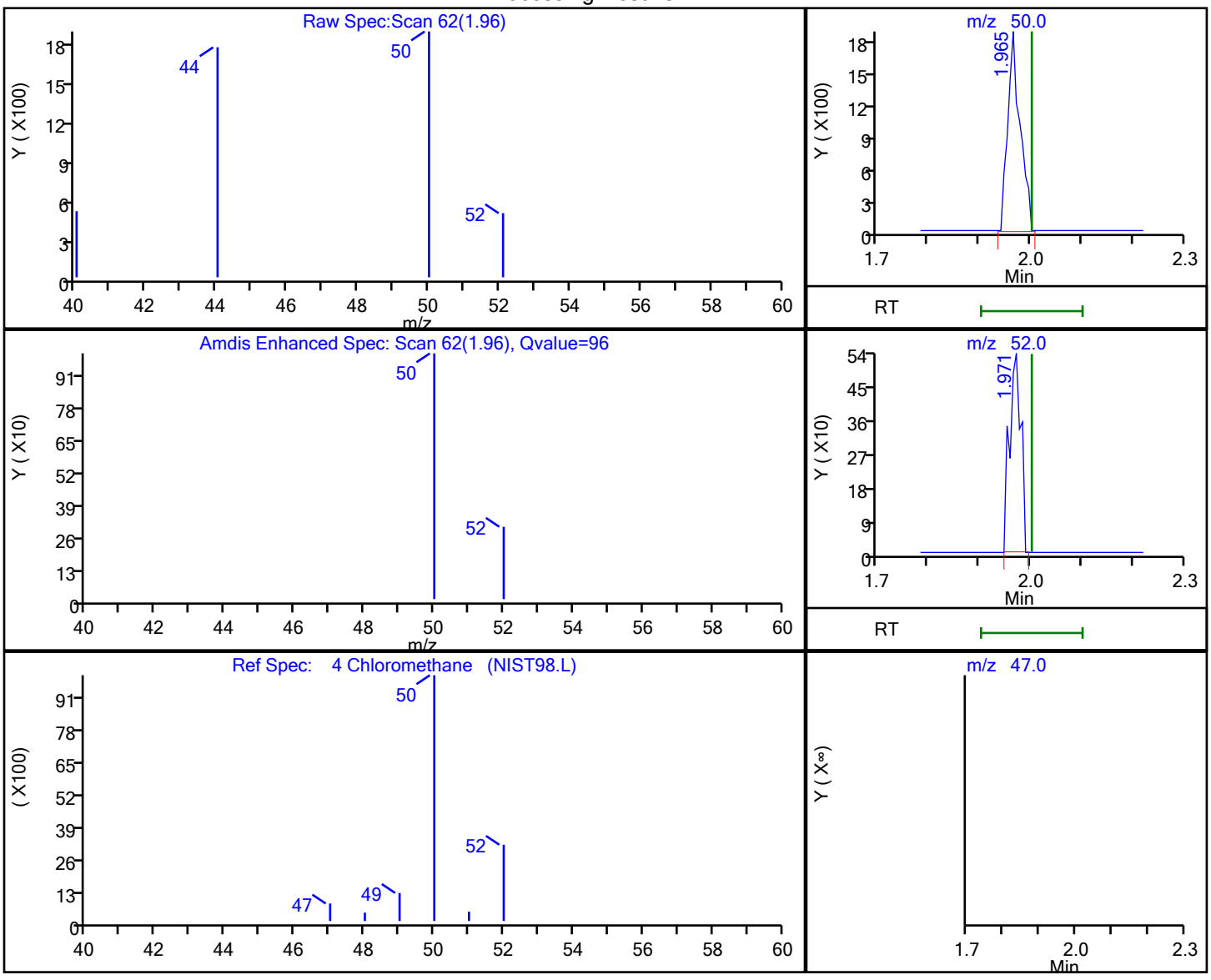
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\copy_IU10X06.D				
Injection Date:	10-Jun-2024 12:00:30	Instrument ID:	19930		
Lims ID:	410-174025-A-14	Lab Sample ID:	410-174025-14		
Client ID:	HD-QC1-0/1-2				
Operator ID:	knk41612	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

4 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.96	50.00	3130	0.063514
1.97	52.00	841	
2.00	47.00	0	

Reviewer: FQ4L, 11-Jun-2024 07:39:55 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.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/19/2024 23:00 Calibration End Date: 02/20/2024 01:12 Calibration ID: 59043

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-474835/3	FEB19X02.D
Level 2	IC 410-474835/4	FEB19X03.D
Level 3	IC 410-474835/5	FEB19X04.D
Level 4	IC 410-474835/6	FEB19X05.D
Level 5	IC 410-474835/7	FEB19X06.D
Level 6	IC 410-474835/8	FEB19X07.D
Level 7	IC 410-474835/9	FEB19X08.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								
Chlorodifluoromethane	0.2906 0.3401	0.3604 0.3054	0.3709	0.3581	0.3073	Ave		0.3333				9.6		20.0			
Methoxymethane	0.3266 0.2314	0.2654 0.2662	0.2582	0.2703	0.2519	Ave		0.2672				11.0		20.0			
Acetonitrile	1.5626 1.3458	1.3931 1.2800	1.7814	1.3882	1.5007	Ave		1.4645				11.5		20.0			
Vinyl acetate	0.2210 0.2578	0.2268 0.2723	0.2395	0.2175	0.2586	Ave		0.2419				8.8		20.0			
Ethyl acetate	0.0855 0.0899	0.0805 0.0938	0.0959	0.0673	0.0881	Ave		0.0858				11.3		20.0			
2-Chloroethyl vinyl ether	0.0367 0.0747	0.0561 0.0699	0.0634	0.0652	0.0653	Ave		0.0616				20.1	*	20.0			
cis-1,4-Dichloro-2-butene	+++++ 9.5929	6.5844 8.1588	7.7028	7.8655	8.3362	Ave		8.0401				12.2		20.0			
Cyclohexanone	+++++ 0.4420	0.2888 0.4587	0.3653	0.3868	0.4107	Ave		0.3921				15.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-174025-1 | Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/19/2024 23:00 | Calibration End Date: 02/20/2024 01:12 | Calibration ID: 59043

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-474835/3	FEB19X02.D
Level 2	IC 410-474835/4	FEB19X03.D
Level 3	IC 410-474835/5	FEB19X04.D
Level 4	IC 410-474835/6	FEB19X05.D
Level 5	IC 410-474835/7	FEB19X06.D
Level 6	IC 410-474835/8	FEB19X07.D
Level 7	IC 410-474835/9	FEB19X08.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
Chlorodifluoromethane	FB	Ave	13249 728211	38968 1735250	80532	157619	348348	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methoxymethane	FB	Ave	14893 495586	28698 1512114	56072	118949	285607	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	TBAd10	Ave	3127 93426	5849 269234	14023	20495	55232	1.00 50.0	2.50 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	10075 551987	24524 1546938	52018	95721	293198	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	3897 192435	8703 533120	20824	29602	99863	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloroethyl vinyl ether	FB	Ave	1674 159966	6065 397207	13761	28685	74046	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,4-Dichloro-2-butene	TBAd10	Ave	+++++ 266464	11062 686676	24263	46465	122768	+++++ 20.0	1.00 50.0	2.00	4.00	10.0
Cyclohexanone	TBAd10	Ave	+++++ 306796	12127 964781	28755	57101	151165	+++++ 500	25.0 1250	50.0	100.0	250

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/19/2024 23:00 Calibration End Date: 02/20/2024 01:12 Calibration ID: 59043

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-474835/3	FEB19X02.D
Level 2	IC 410-474835/4	FEB19X03.D
Level 3	IC 410-474835/5	FEB19X04.D
Level 4	IC 410-474835/6	FEB19X05.D
Level 5	IC 410-474835/7	FEB19X06.D
Level 6	IC 410-474835/8	FEB19X07.D
Level 7	IC 410-474835/9	FEB19X08.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
Chlorodifluoromethane	-12.8 -8.3	8.2	11.3	7.5	-7.8	2.0	50 30	30	30	30	30	30
Methoxymethane	22.3 -0.4	-0.6	-3.3	1.2	-5.7	-13.4	50 30	30	30	30	30	30
Acetonitrile	6.7 -12.6	-4.9	21.6	-5.2	2.5	-8.1	50 30	30	30	30	30	30
Vinyl acetate	-8.7 12.6	-6.2	-1.0	-10.1	6.9	6.5	50 30	30	30	30	30	30
Ethyl acetate	-0.4 9.3	-6.2	11.7	-21.7	2.6	4.7	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-40.4 13.5	-9.0	2.9	5.8	6.0	21.2	50 30	30	30	30	30	30
cis-1,4-Dichloro-2-butene	+++++ 1.5	-18.1	-4.2	-2.2	3.7	19.3	30	50	30	30	30	30
Cyclohexanone	+++++ 17.0	-26.3	-6.8	-1.3	4.8	12.7	30	50	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X02.D
Lims ID: IC std1sm
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 19-Feb-2024 23:00:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106710-003
Misc. Info.: IC STD1 SM
Operator ID: gaw91131 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub40

Method: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Feb-2024 13:07:01 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 26-Feb-2024 10:33:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.812	1.806	0.006	92	7810	0.2000	0.1719	
3 Chlorodifluoromethane	51	1.867	1.855	0.012	96	13249	0.2000	0.1744	
4 Dimethyl ether	45	1.928	1.922	0.006	100	14893	0.2000	0.2445	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.227	2.215	0.012	35	11766	0.2000	0.1685	
26 Acetonitrile	41	3.751	3.721	0.030	35	3127	1.00	1.07	
* 30 t-Butyl alcohol-d10 (IS)	65	3.958	3.964	-0.006	27	100058	50.0	50.0	
36 Vinyl acetate	43	5.019	4.989	0.030	92	10075	0.2000	0.1827	
44 Ethyl acetate	43	5.879	5.879	0.000	1	3897	0.2000	0.1991	M
62 Isopropyl acetate	43	7.122	7.122	0.000	97	9065	0.2000	0.1922	
* 64 Fluorobenzene (IS)	96	7.427	7.433	-0.006	99	2279746	10.0	10.0	
75 n-Propyl acetate	61	8.451	8.427	0.024	94	993	0.2000	0.2740	M
78 2-Chloroethyl vinyl ether	63	8.994	8.970	0.024	80	1674	0.2000	0.1192	M
111 n-Butyl acetate	43	10.420	10.396	0.024	95	6509	0.2000	0.1793	M
* 114 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	85	1712435	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.896	11.896	0.000	90	3583	0.4001	0.2227	
126 Cyclohexanone	55	11.926	11.932	-0.006	89	4321	10.0	5.51	
* 142 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	95	965828	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_CYC_00008	Amount Added:	1.60	Units: uL
MSV_DME_00054	Amount Added:	0.20	Units: uL
MSV_V_SMRV4_00067	Amount Added:	1.00	Units: uL
MSV_CCV_V5ACE_00033	Amount Added:	0.20	Units: uL
MSV_HP25_ISO_00009	Amount Added:	1.00	Units: uL

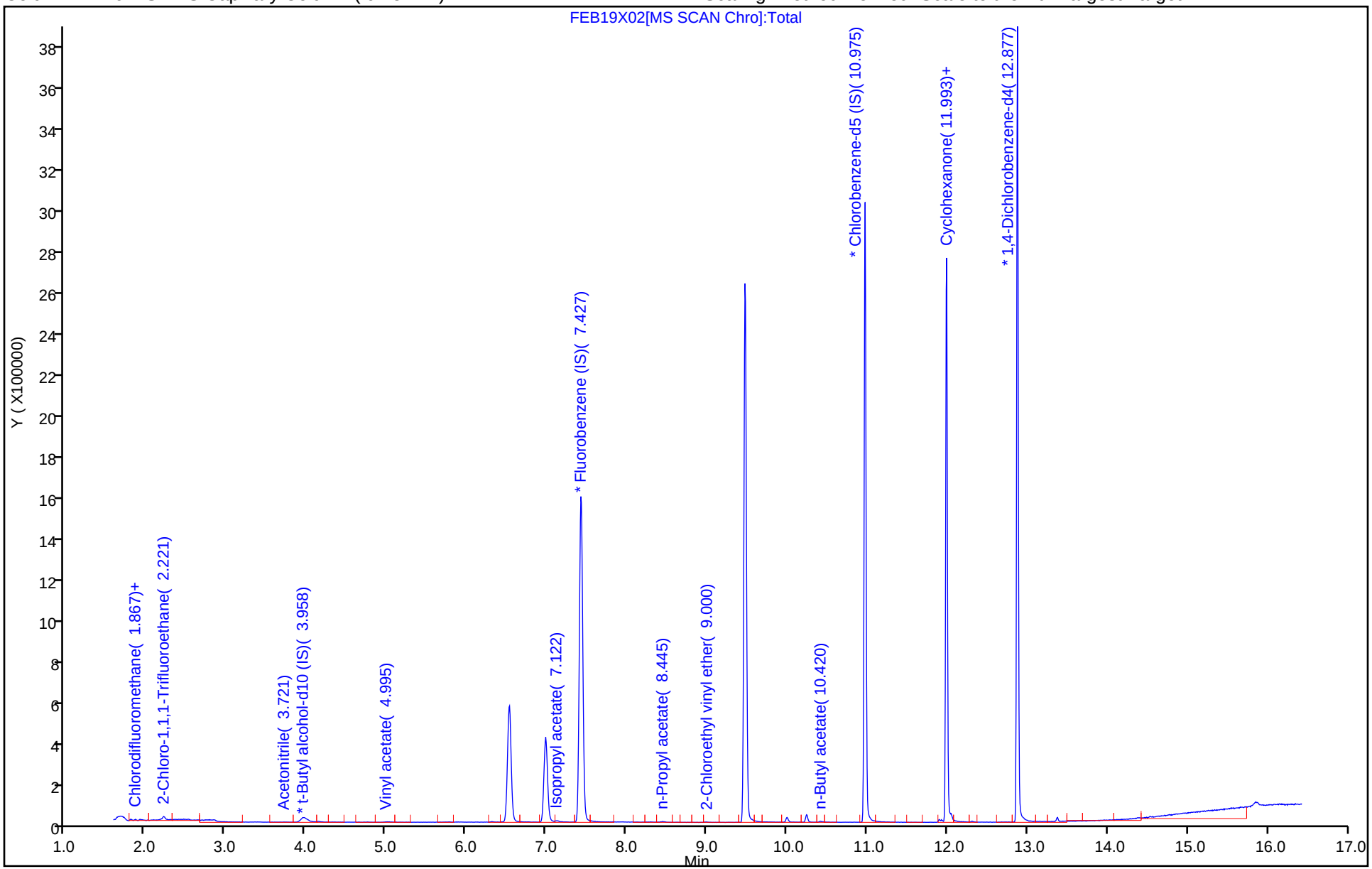
Report Date: 26-Feb-2024 13:07:02 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X02.D

Injection Date:	19-Feb-2024 23:00:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	IC std1sm			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

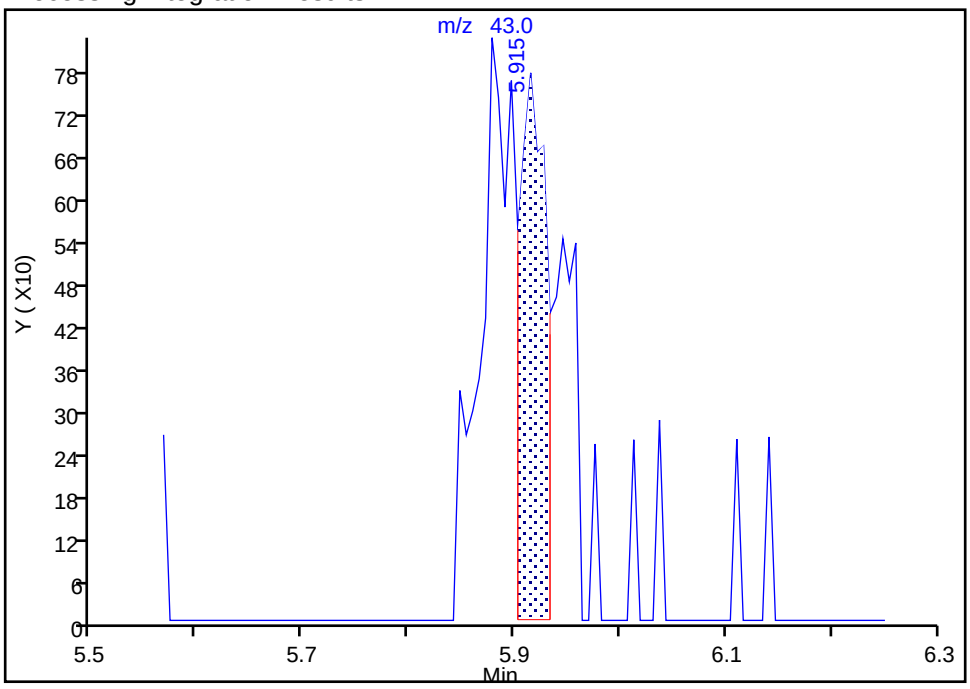
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X02.D
Injection Date: 19-Feb-2024 23:00:30 Instrument ID: 16334
Lims ID: IC std1sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

44 Ethyl acetate, CAS: 141-78-6

Signal: 1

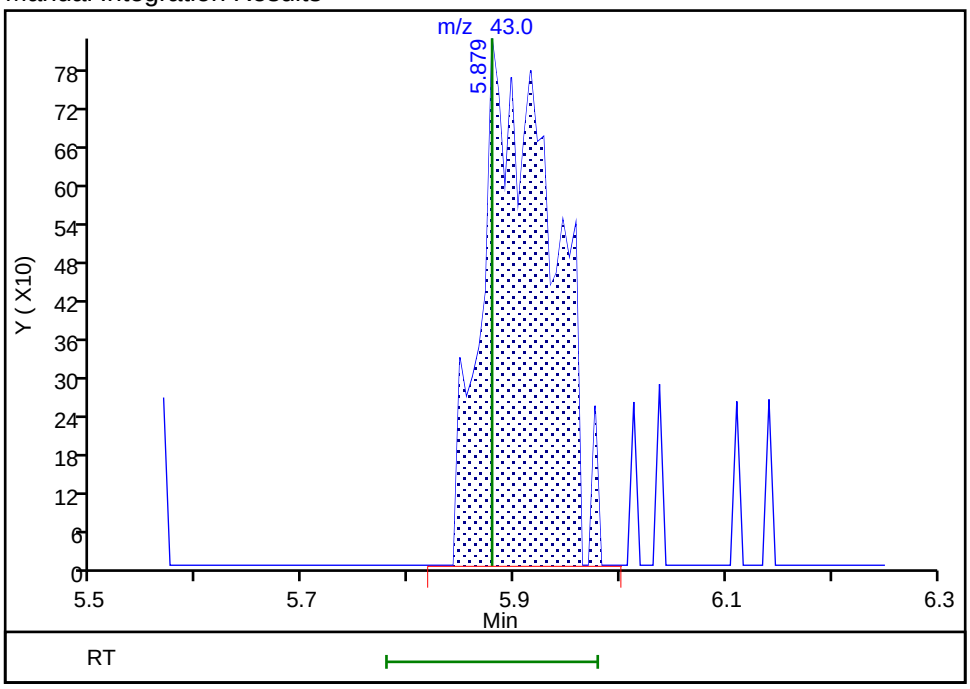
Processing Integration Results

RT: 5.92
Area: 1385
Amount: 0.291224
Amount Units: ug/l



Manual Integration Results

RT: 5.88
Area: 3897
Amount: 0.199126
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:33:06 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

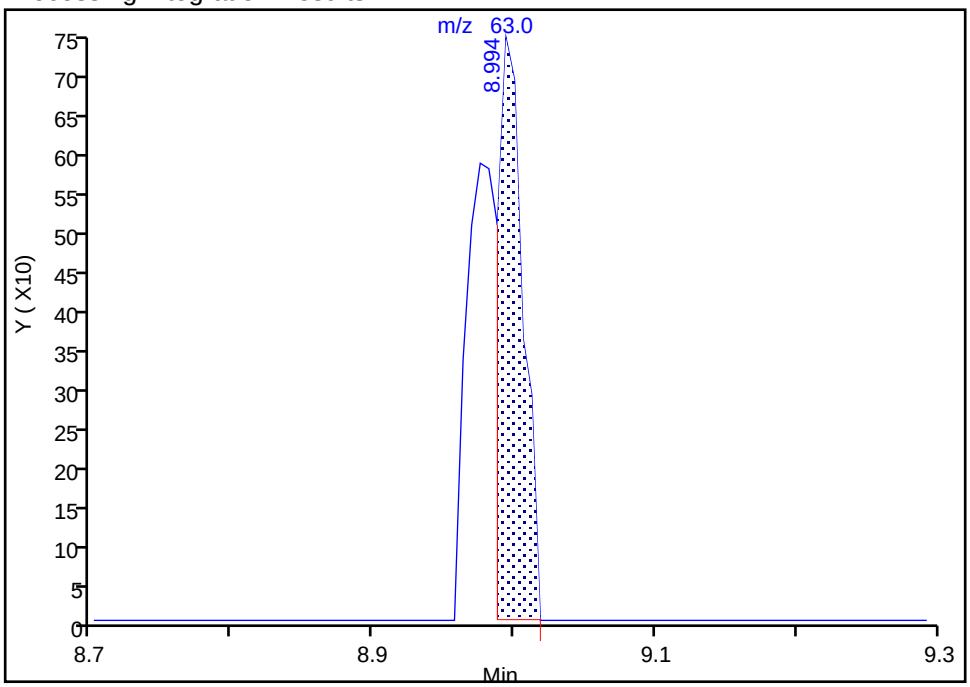
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X02.D
Injection Date: 19-Feb-2024 23:00:30 Instrument ID: 16334
Lims ID: IC std1sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

78 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

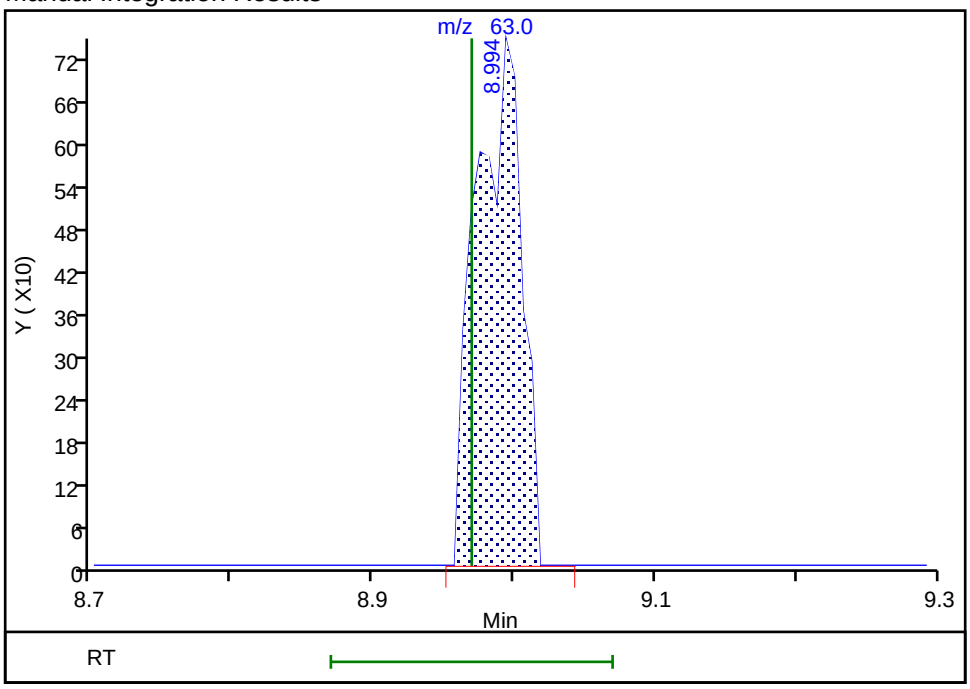
Processing Integration Results

RT: 8.99
Area: 945
Amount: 0.144548
Amount Units: ug/l



Manual Integration Results

RT: 8.99
Area: 1674
Amount: 0.119177
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:33:16 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X03.D
Lims ID: IC std2sm
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-Feb-2024 23:22:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106710-004
Misc. Info.: IC STD2 SM
Operator ID: gaw91131 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub40

Method: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Feb-2024 13:07:05 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 26-Feb-2024 10:34:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.812	1.806	0.006	92	22650	0.5000	0.5255	
3 Chlorodifluoromethane	51	1.861	1.855	0.006	96	38968	0.5000	0.5408	
4 Dimethyl ether	45	1.928	1.922	0.006	99	28698	0.5000	0.4968	M
8 2-Chloro-1,1,1-Trifluoroethane	118	2.221	2.215	0.006	35	35292	0.5000	0.5329	
26 Acetonitrile	41	3.739	3.721	0.018	67	5849	2.50	2.38	
* 30 t-Butyl alcohol-d10 (IS)	65	3.964	3.964	0.000	21	83972	50.0	50.0	
36 Vinyl acetate	43	5.013	4.989	0.024	98	24524	0.5000	0.4688	
44 Ethyl acetate	43	5.891	5.879	0.012	98	8703	0.5000	0.4688	M
62 Isopropyl acetate	43	7.122	7.122	0.000	98	21411	0.5000	0.4786	
* 64 Fluorobenzene (IS)	96	7.427	7.433	-0.006	99	2162386	10.0	10.0	
75 n-Propyl acetate	61	8.433	8.427	0.006	97	2702	0.5000	0.4594	M
78 2-Chloroethyl vinyl ether	63	8.982	8.970	0.012	90	6065	0.5000	0.4552	
111 n-Butyl acetate	43	10.408	10.396	0.012	95	14456	0.5000	0.4181	
* 114 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	85	1630437	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.902	11.896	0.006	93	11062	1.00	0.8192	
126 Cyclohexanone	55	11.926	11.932	-0.006	89	12127	25.0	18.4	
* 142 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	95	905395	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_CYC_00008	Amount Added:	4.00	Units: uL
MSV_DME_00054	Amount Added:	0.50	Units: uL
MSV_V_SMRV4_00067	Amount Added:	2.50	Units: uL
MSV_CCV_V5ACE_00033	Amount Added:	0.50	Units: uL
MSV_HP25_ISO_00009	Amount Added:	1.00	Units: uL

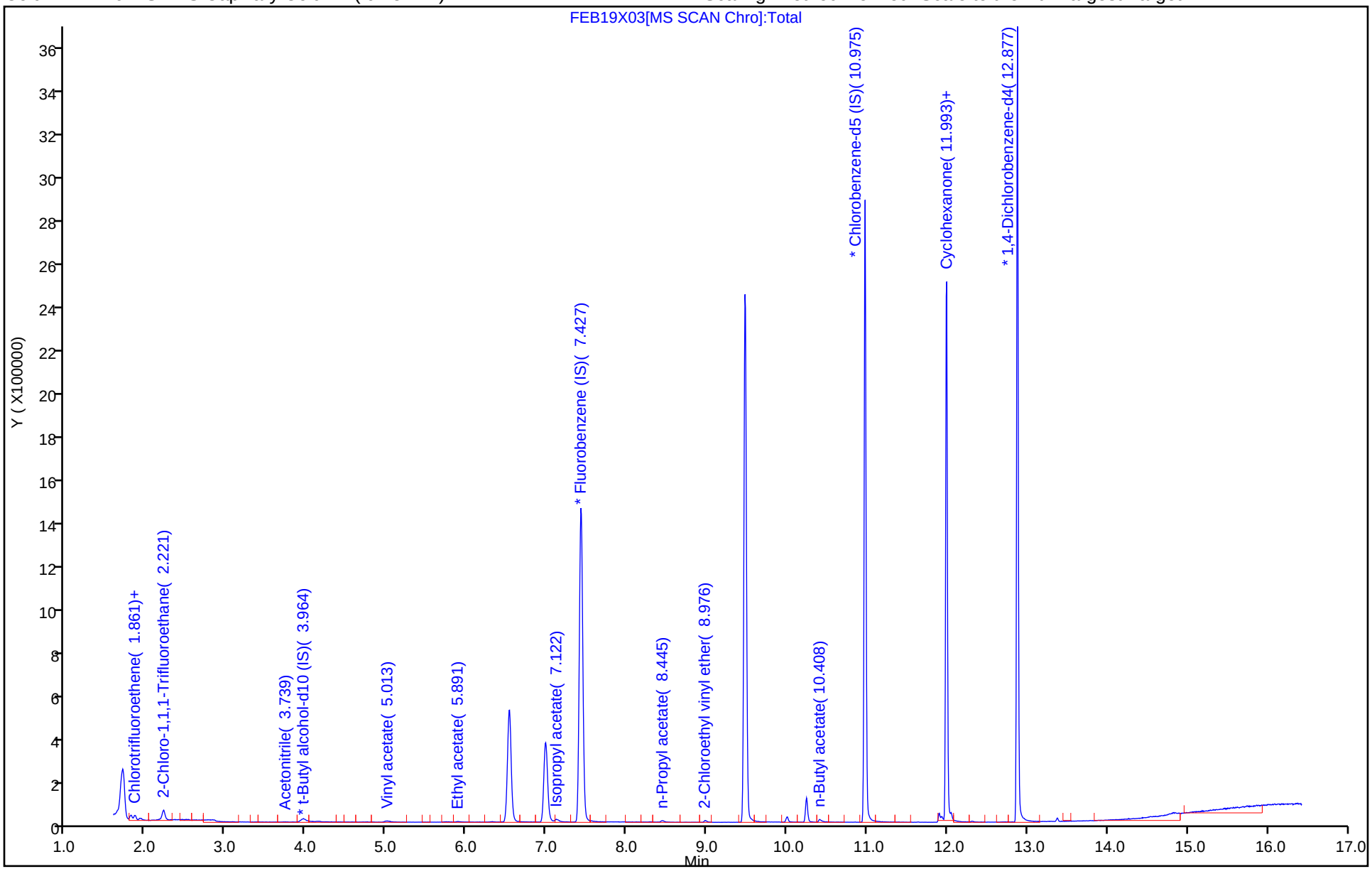
Report Date: 26-Feb-2024 13:07:06 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X03.D

Injection Date:	19-Feb-2024 23:22:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	IC std2sm			Worklist Smp#:	4
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

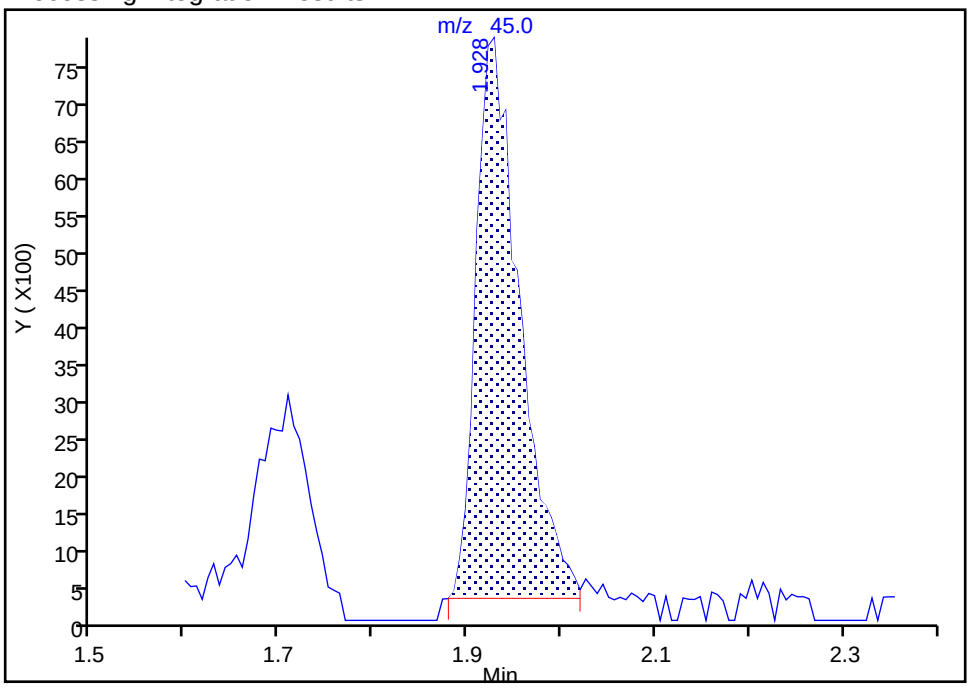
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X03.D
Injection Date: 19-Feb-2024 23:22:30 Instrument ID: 16334
Lims ID: IC std2sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

4 Dimethyl ether, CAS: 115-10-6

Signal: 1

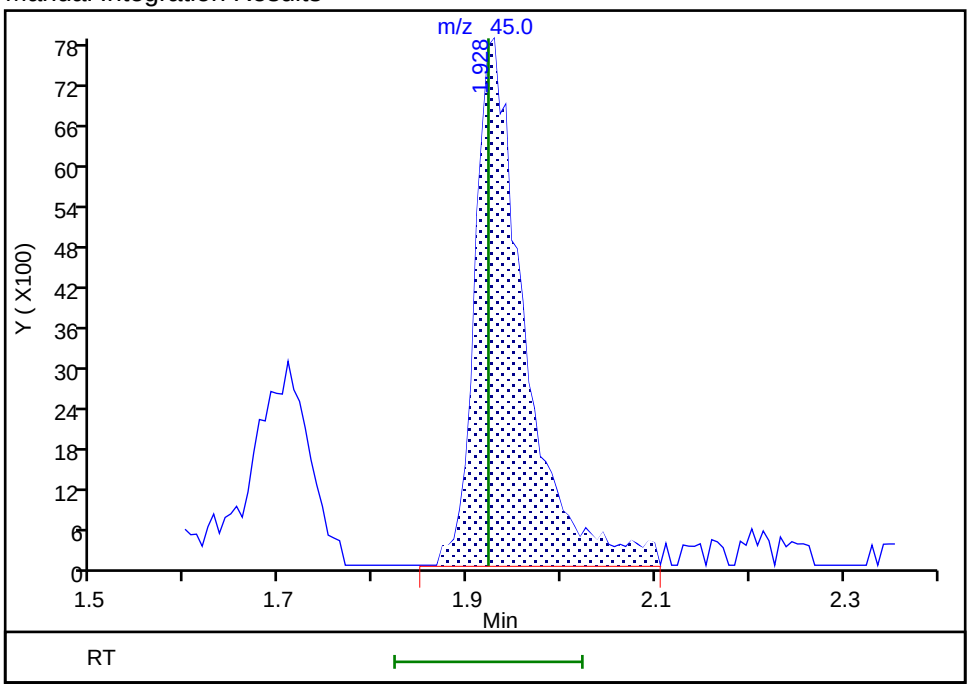
Processing Integration Results

RT: 1.93
Area: 24308
Amount: 0.430116
Amount Units: ug/l



Manual Integration Results

RT: 1.93
Area: 28698
Amount: 0.496769
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:33:42 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

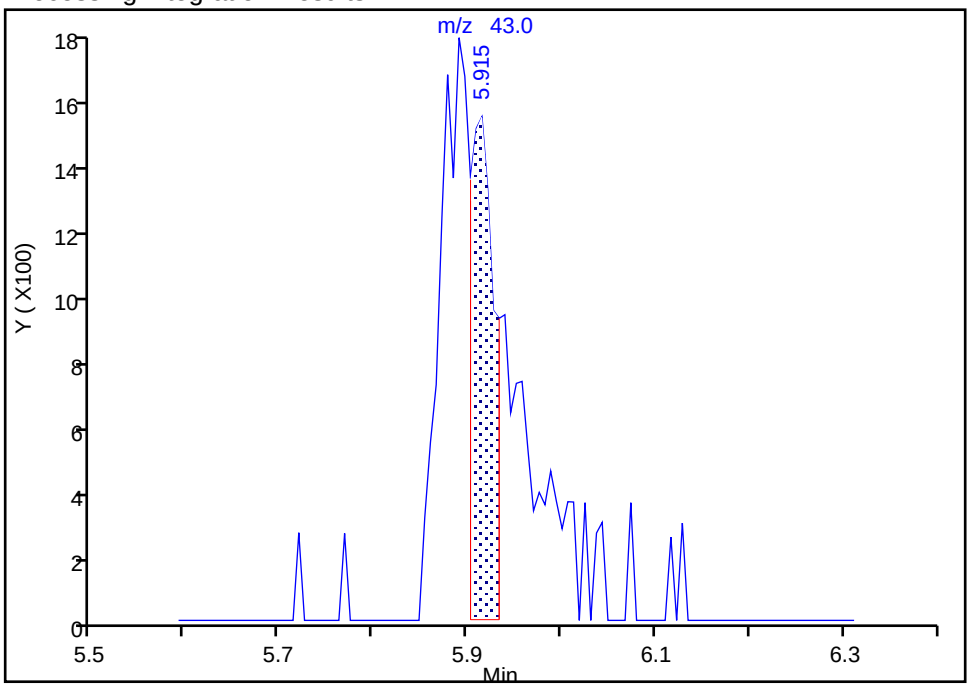
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X03.D
Injection Date: 19-Feb-2024 23:22:30 Instrument ID: 16334
Lims ID: IC std2sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

44 Ethyl acetate, CAS: 141-78-6

Signal: 1

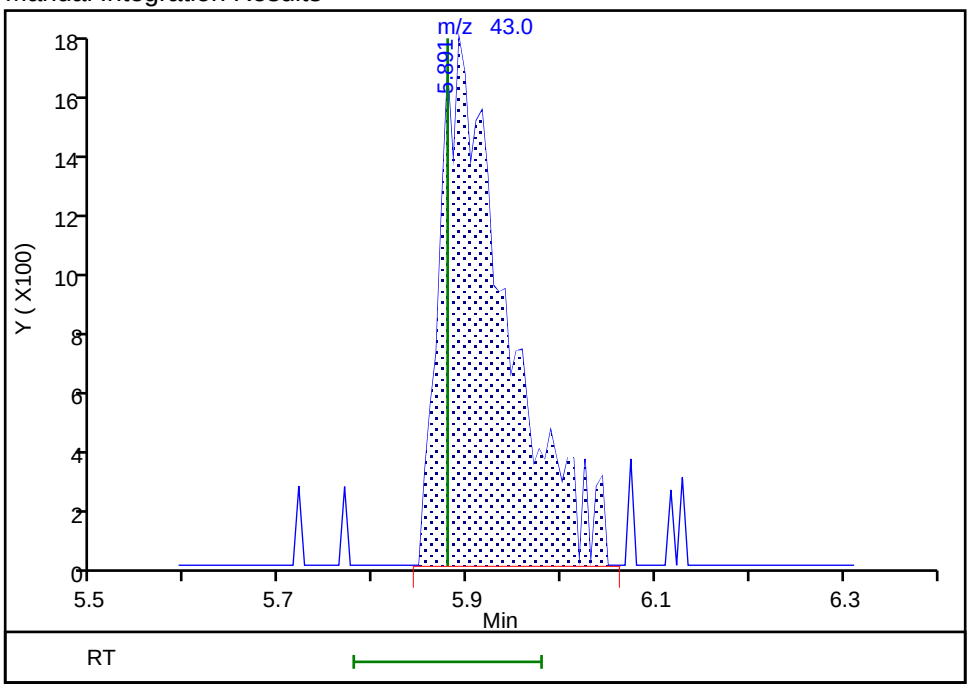
Processing Integration Results

RT: 5.92
Area: 2723
Amount: 0.169703
Amount Units: ug/l



Manual Integration Results

RT: 5.89
Area: 8703
Amount: 0.468834
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:33:51 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X04.D
Lims ID: IC std3sm
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 19-Feb-2024 23:44:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106710-005
Misc. Info.: IC STD3 SM
Operator ID: gaw91131 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub40

Method: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Feb-2024 13:07:10 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 26-Feb-2024 10:34:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.812	1.806	0.006	92	47707	1.00	1.10	
3 Chlorodifluoromethane	51	1.861	1.855	0.006	97	80532	1.00	1.11	
4 Dimethyl ether	45	1.928	1.922	0.006	99	56072	1.00	0.9665	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.215	2.215	0.000	35	73629	1.00	1.11	
26 Acetonitrile	41	3.727	3.721	0.006	70	14023	5.00	6.08	
* 30 t-Butyl alcohol-d10 (IS)	65	3.958	3.964	-0.006	27	78720	50.0	50.0	
36 Vinyl acetate	43	4.995	4.989	0.006	97	52018	1.00	0.99	
44 Ethyl acetate	43	5.885	5.879	0.006	99	20824	1.00	1.12	M
62 Isopropyl acetate	43	7.122	7.122	0.000	98	47398	1.00	1.06	
* 64 Fluorobenzene (IS)	96	7.427	7.433	-0.006	99	2171549	10.0	10.0	
75 n-Propyl acetate	61	8.445	8.427	0.018	98	7914	1.00	1.00	M
78 2-Chloroethyl vinyl ether	63	8.976	8.970	0.006	95	13761	1.00	1.03	
111 n-Butyl acetate	43	10.402	10.396	0.006	98	33390	1.00	0.9521	
* 114 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	85	1653791	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.902	11.896	0.006	94	24263	2.00	1.92	
126 Cyclohexanone	55	11.932	11.932	0.000	92	28755	50.0	46.6	
* 142 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	95	917596	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_CYC_00008	Amount Added:	8.00	Units: uL
MSV_DME_00054	Amount Added:	1.00	Units: uL
MSV_V_SMRV4_00067	Amount Added:	5.00	Units: uL
MSV_CCV_V5ACE_00033	Amount Added:	1.00	Units: uL
MSV_HP25_ISO_00009	Amount Added:	1.00	Units: uL

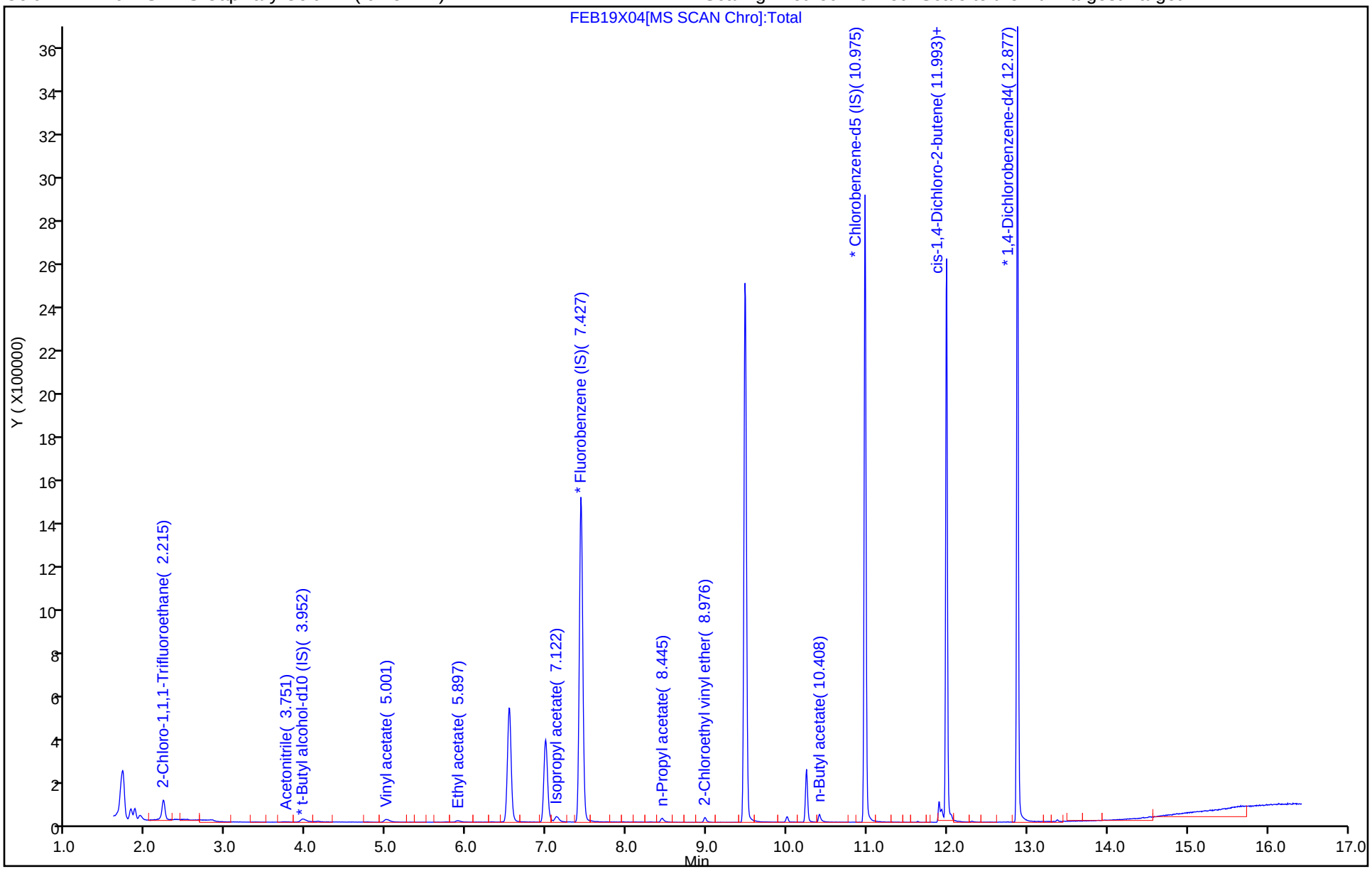
Report Date: 26-Feb-2024 13:07:10 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X04.D

Injection Date:	19-Feb-2024 23:44:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	IC std3sm			Worklist Smp#:	5
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

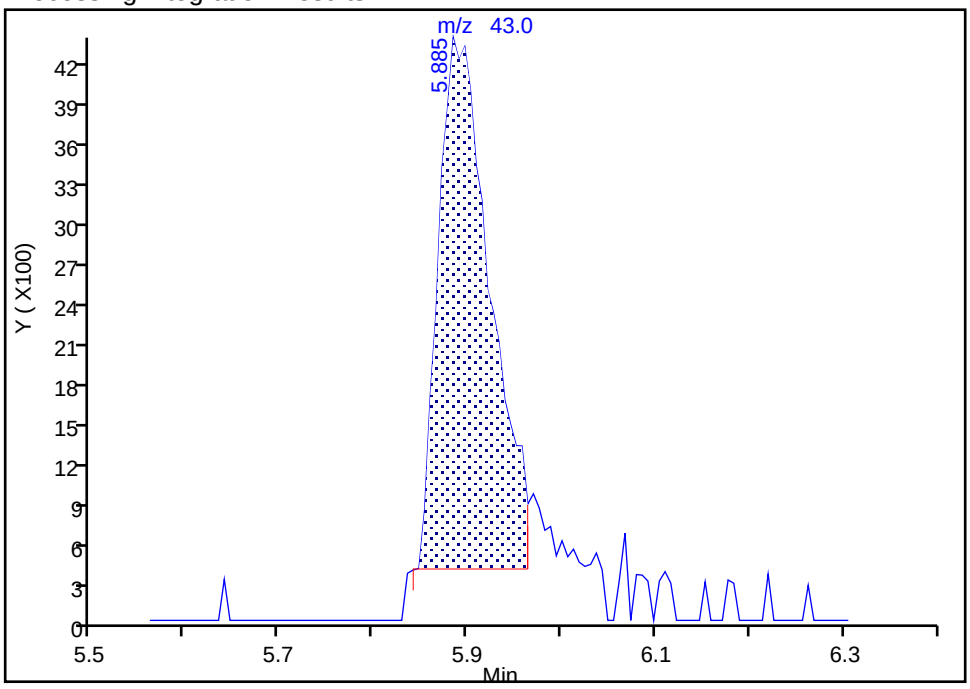
Data File:	\\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X04.D				
Injection Date:	19-Feb-2024 23:44:30	Instrument ID:	16334		
Lims ID:	IC std3sm				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

44 Ethyl acetate, CAS: 141-78-6

Signal: 1

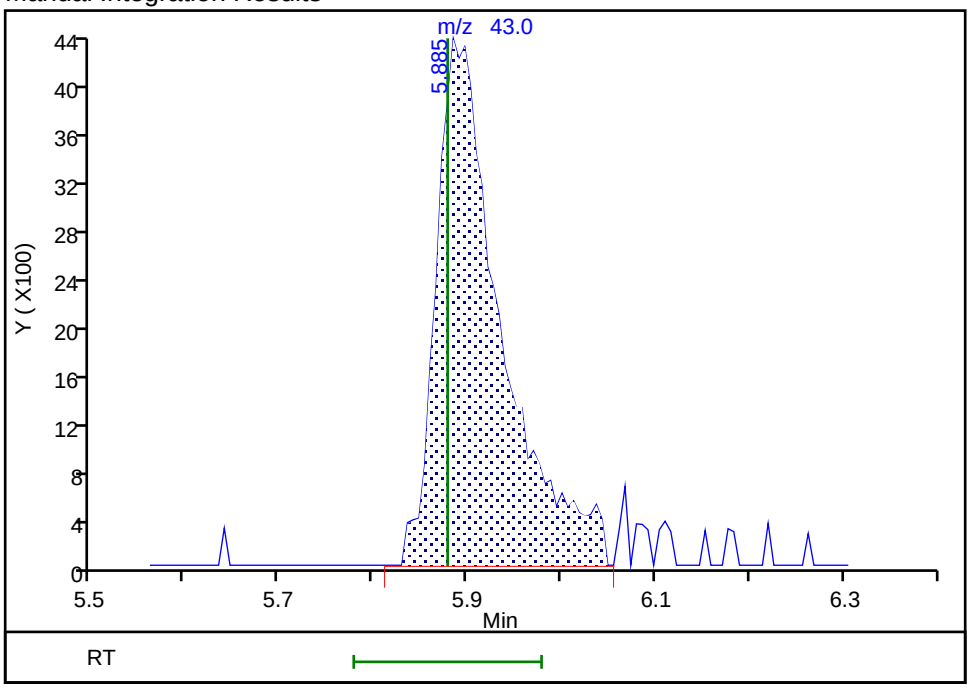
Processing Integration Results

RT: 5.88
Area: 15138
Amount: 0.849044
Amount Units: ug/l



Manual Integration Results

RT: 5.88
Area: 20824
Amount: 1.117063
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:34:14 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X05.D
Lims ID: IC std4sm
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 20-Feb-2024 00:06:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106710-006
Misc. Info.: IC STD4 SM
Operator ID: gaw91131 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub40

Method: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Feb-2024 13:07:14 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 26-Feb-2024 10:34:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.800	1.800	0.000	91	97476	2.00	2.22	
3 Chlorodifluoromethane	51	1.849	1.849	0.000	96	157619	2.00	2.15	
4 Dimethyl ether	45	1.916	1.916	0.000	98	118949	2.00	2.02	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.209	2.209	0.000	34	144833	2.00	2.15	
26 Acetonitrile	41	3.720	3.720	0.000	72	20495	10.0	9.48	
* 30 t-Butyl alcohol-d10 (IS)	65	3.958	3.958	0.000	22	73817	50.0	50.0	
36 Vinyl acetate	43	4.989	4.989	0.000	97	95721	2.00	1.80	
44 Ethyl acetate	43	5.879	5.879	0.000	99	29602	2.00	1.57	
62 Isopropyl acetate	43	7.122	7.122	0.000	98	75464	2.00	1.66	
* 64 Fluorobenzene (IS)	96	7.427	7.427	0.000	99	2200615	10.0	10.0	
75 n-Propyl acetate	61	8.439	8.439	0.000	98	12375	2.00	1.46	a
78 2-Chloroethyl vinyl ether	63	8.969	8.969	0.000	94	28685	2.00	2.12	
111 n-Butyl acetate	43	10.402	10.402	0.000	97	59544	2.00	1.70	
* 114 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	85	1655258	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.896	11.896	0.000	95	46465	4.00	3.91	
126 Cyclohexanone	55	11.932	11.932	0.000	92	57101	100.0	98.7	
* 142 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	95	911837	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MSV_CCV_CYC_00008	Amount Added:	8.00	Units: uL
MSV_DME_00054	Amount Added:	1.00	Units: uL
MSV_V_SMRV4_00067	Amount Added:	5.00	Units: uL
MSV_CCV_V5ACE_00033	Amount Added:	1.00	Units: uL
MSV_HP25_ISO_00009	Amount Added:	1.00	Units: uL

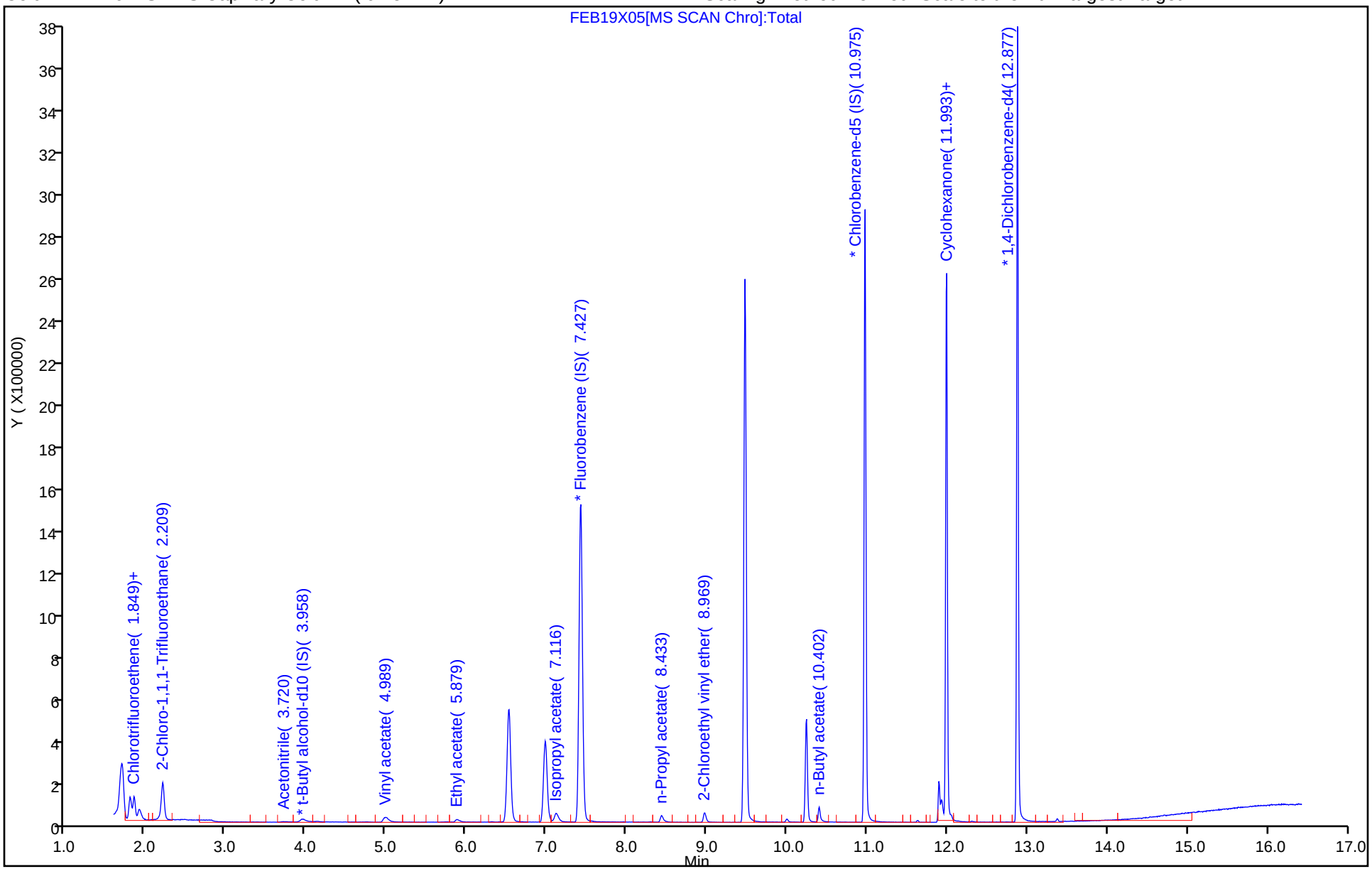
Report Date: 26-Feb-2024 13:07:15 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X05.D

Injection Date:	20-Feb-2024 00:06:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	IC std4sm			Worklist Smp#:	6
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X06.D
Lims ID: IC std5sm
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 20-Feb-2024 00:28:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106710-007
Misc. Info.: IC STD5 SM
Operator ID: gaw91131 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub40

Method: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Feb-2024 13:07:20 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 26-Feb-2024 10:35:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.806	1.800	0.006	92	201619	5.00	4.46	
3 Chlorodifluoromethane	51	1.855	1.849	0.006	96	348348	5.00	4.61	
4 Dimethyl ether	45	1.916	1.916	0.000	99	285607	5.00	4.72	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.215	2.209	0.006	35	327667	5.00	4.72	
26 Acetonitrile	41	3.708	3.720	-0.012	98	55232	25.0	25.6	M
* 30 t-Butyl alcohol-d10 (IS)	65	3.952	3.958	-0.006	27	73610	50.0	50.0	
36 Vinyl acetate	43	4.995	4.989	0.007	98	293198	5.00	5.35	
44 Ethyl acetate	43	5.879	5.879	0.000	99	99863	5.00	5.13	
62 Isopropyl acetate	43	7.122	7.122	0.000	98	245012	5.00	5.22	
* 64 Fluorobenzene (IS)	96	7.427	7.427	0.000	99	2267266	10.0	10.0	
75 n-Propyl acetate	61	8.433	8.439	-0.006	99	46193	5.00	4.81	
78 2-Chloroethyl vinyl ether	63	8.969	8.969	0.000	93	74046	5.00	5.30	
111 n-Butyl acetate	43	10.396	10.402	-0.006	97	199638	5.00	5.51	
* 114 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	85	1707892	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.896	11.896	0.000	95	122768	10.0	10.4	
126 Cyclohexanone	55	11.932	11.932	0.000	92	151165	250.0	261.9	
* 142 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	95	944805	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_CYC_00008	Amount Added:	8.00	Units: uL
MSV_DME_00054	Amount Added:	1.00	Units: uL
MSV_V_SMRV4_00067	Amount Added:	5.00	Units: uL
MSV_CCV_V5ACE_00033	Amount Added:	1.00	Units: uL
MSV_HP25_ISO_00009	Amount Added:	1.00	Units: uL

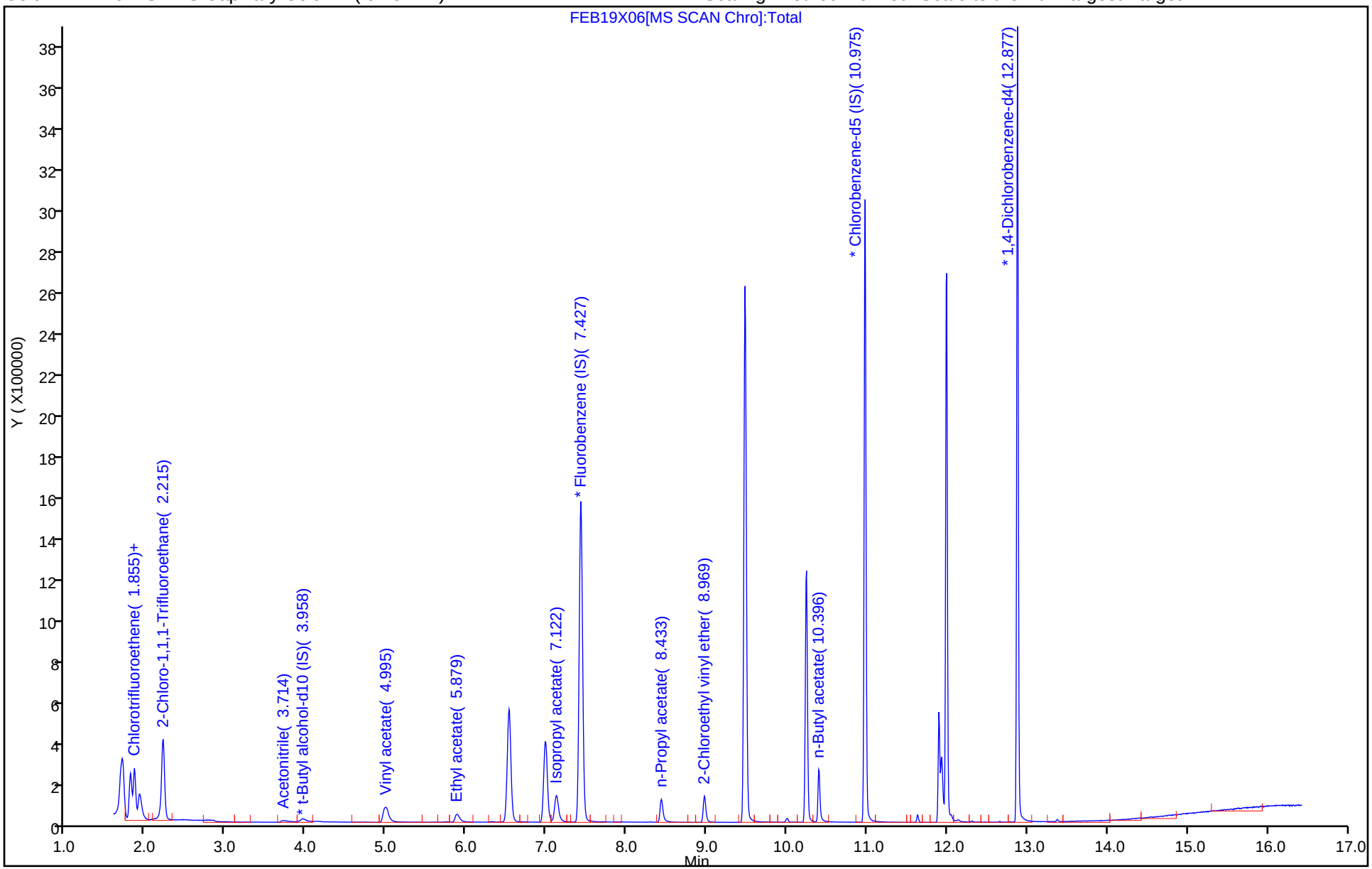
Report Date: 26-Feb-2024 13:07:21 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X06.D

Injection Date:	20-Feb-2024 00:28:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	IC std5sm			Worklist Smp#:	7
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

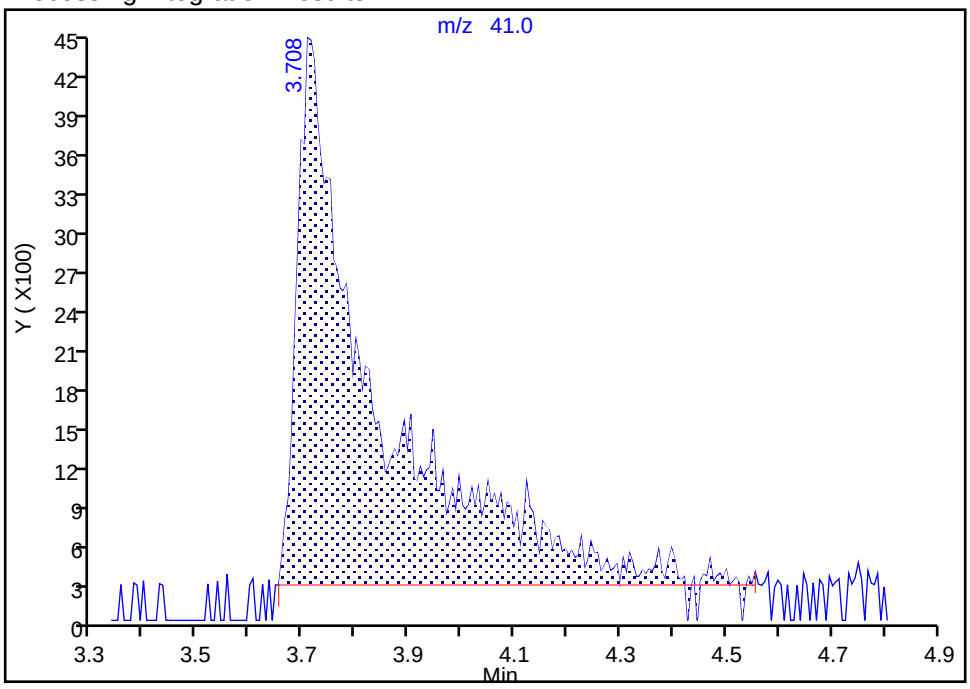
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X06.D
Injection Date: 20-Feb-2024 00:28:30 Instrument ID: 16334
Lims ID: IC std5sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

26 Acetonitrile, CAS: 75-05-8

Signal: 1

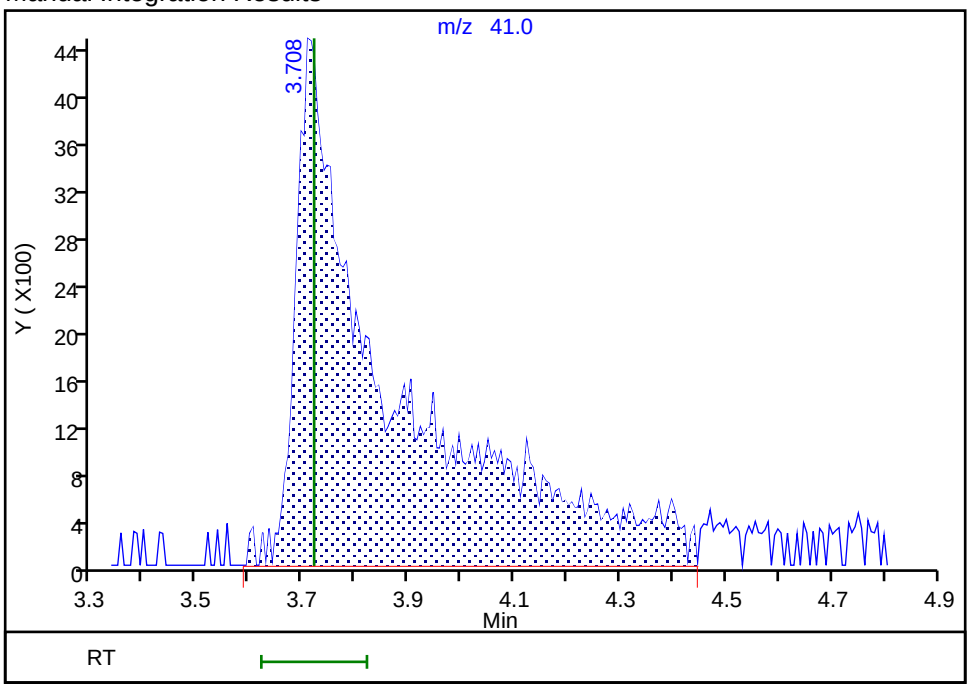
Processing Integration Results

RT: 3.71
Area: 42019
Amount: 19.937357
Amount Units: ug/l



Manual Integration Results

RT: 3.71
Area: 55232
Amount: 25.616617
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:35:12 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X07.D
Lims ID: IC std6sm
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 20-Feb-2024 00:50:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106710-008
Misc. Info.: IC STD6 SM
Operator ID: gaw91131 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub40

Method: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Feb-2024 13:07:26 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 26-Feb-2024 10:32:44

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	1 Chlorotrifluoroethene	116	1.806	1.806	0.000	92	444886	10.0	10.4	
	3 Chlorodifluoromethane	51	1.855	1.855	0.000	96	728211	10.0	10.2	
	4 Dimethyl ether	45	1.922	1.922	0.000	99	495586	10.0	8.66	
	8 2-Chloro-1,1,1-Trifluoroethane	118	2.215	2.215	0.000	35	681676	10.0	10.4	
	26 Acetonitrile	41	3.721	3.721	0.000	100	93426	50.0	45.9	
*	30 t-Butyl alcohol-d10 (IS)	65	3.964	3.964	0.000	27	69419	50.0	50.0	
	36 Vinyl acetate	43	4.989	4.989	0.000	97	551987	10.0	10.7	
	44 Ethyl acetate	43	5.879	5.879	0.000	99	192435	10.0	10.5	
	62 Isopropyl acetate	43	7.122	7.122	0.000	98	463637	10.0	10.5	
*	64 Fluorobenzene (IS)	96	7.427	7.427	0.000	99	2141320	10.0	10.0	
	75 n-Propyl acetate	61	8.427	8.427	0.000	98	90526	10.0	9.80	
	78 2-Chloroethyl vinyl ether	63	8.970	8.970	0.000	93	159966	10.0	12.1	
	111 n-Butyl acetate	43	10.396	10.396	0.000	98	391656	10.0	11.4	
*	114 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	85	1622932	10.0	10.0	
	125 cis-1,4-Dichloro-2-butene	88	11.896	11.896	0.000	96	266464	20.0	23.9	
	126 Cyclohexanone	55	11.932	11.932	0.000	91	306796	500.0	563.6	
*	142 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	95	893171	10.0	10.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_CYC_00008	Amount Added:	8.00	Units: uL
MSV_DME_00054	Amount Added:	1.00	Units: uL
MSV_V_SMRV4_00067	Amount Added:	5.00	Units: uL
MSV_CCV_V5ACE_00033	Amount Added:	1.00	Units: uL
MSV_HP25_ISO_00009	Amount Added:	1.00	Units: uL

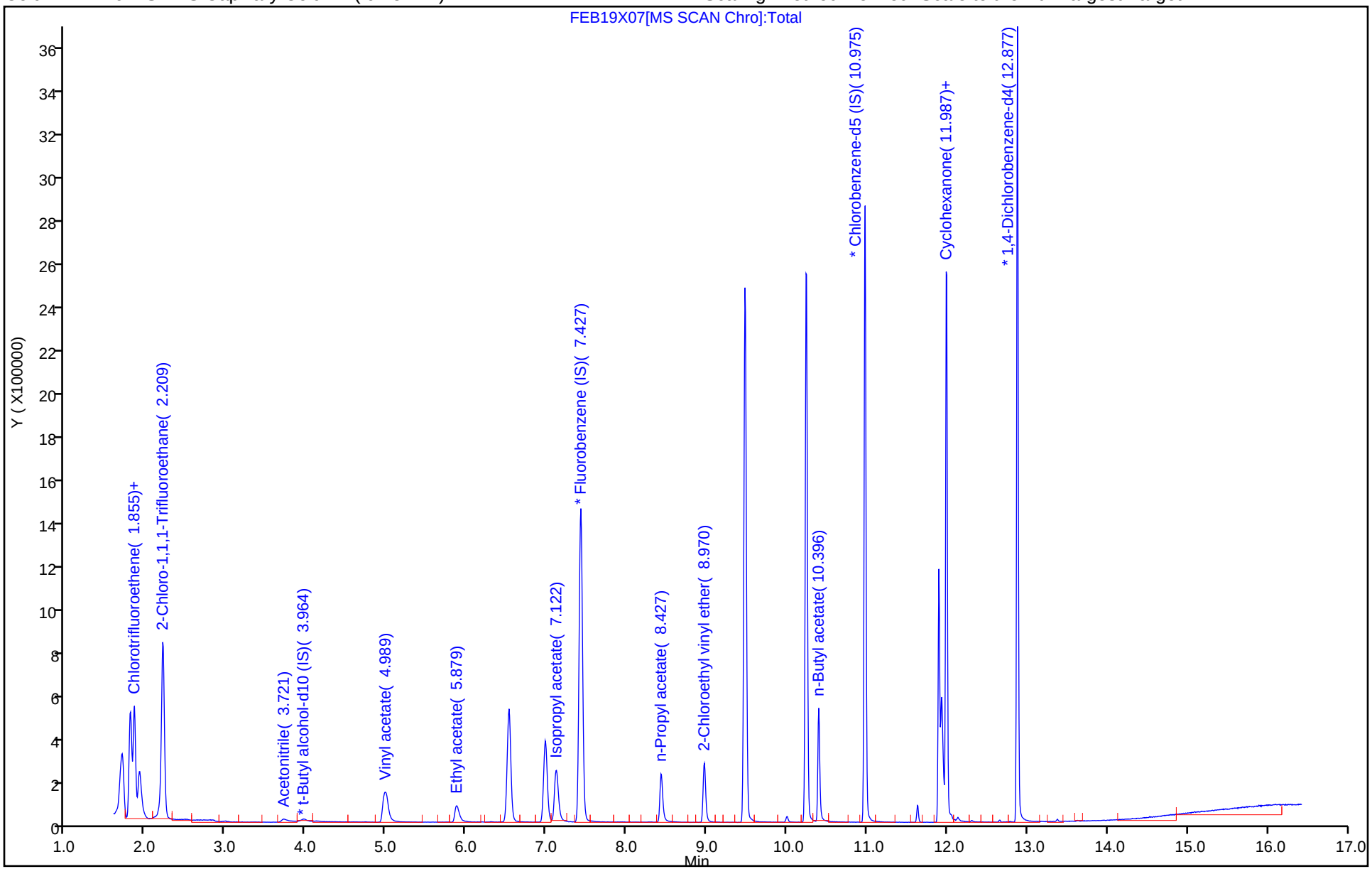
Report Date: 26-Feb-2024 13:07:26 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X07.D

Injection Date:	20-Feb-2024 00:50:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	IC std6sm			Worklist Smp#:	8
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X08.D
Lims ID: IC std7sm
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 20-Feb-2024 01:12:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106710-009
Misc. Info.: IC STD7 SM
Operator ID: gaw91131 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub40

Method: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Feb-2024 13:07:30 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 26-Feb-2024 10:36:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.806	1.806	0.000	94	1067107	25.0	23.6	
3 Chlorodifluoromethane	51	1.855	1.855	0.000	96	1735250	25.0	22.9	
4 Dimethyl ether	45	1.922	1.922	0.000	99	1512114	25.0	24.9	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.215	2.215	0.000	35	1613476	25.0	23.2	
26 Acetonitrile	41	3.702	3.721	-0.019	99	269234	125.0	109.3	
* 30 t-Butyl alcohol-d10 (IS)	65	3.952	3.964	-0.012	27	84134	50.0	50.0	M
36 Vinyl acetate	43	4.989	4.989	0.000	97	1546938	25.0	28.1	
44 Ethyl acetate	43	5.873	5.879	-0.006	99	533120	25.0	27.3	
62 Isopropyl acetate	43	7.122	7.122	0.000	98	1300892	25.0	27.7	
* 64 Fluorobenzene (IS)	96	7.427	7.427	0.000	99	2272426	10.0	10.0	
75 n-Propyl acetate	61	8.427	8.427	0.000	98	256588	25.0	25.9	
78 2-Chloroethyl vinyl ether	63	8.970	8.970	0.000	93	397207	25.0	28.4	
111 n-Butyl acetate	43	10.396	10.396	0.000	98	1120175	25.0	30.7	
* 114 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	85	1722696	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.896	11.896	0.000	95	686676	50.0	50.8	
126 Cyclohexanone	55	11.926	11.932	-0.006	92	964781	1250.0	1462.5	
* 142 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	95	952731	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_CYC_00008	Amount Added:	20.00	Units: uL
MSV_DME_00054	Amount Added:	2.50	Units: uL
MSV_V_SMRV4_00067	Amount Added:	12.50	Units: uL
MSV_CCV_V5ACE_00033	Amount Added:	2.50	Units: uL
MSV_HP25_ISO_00009	Amount Added:	1.00	Units: uL

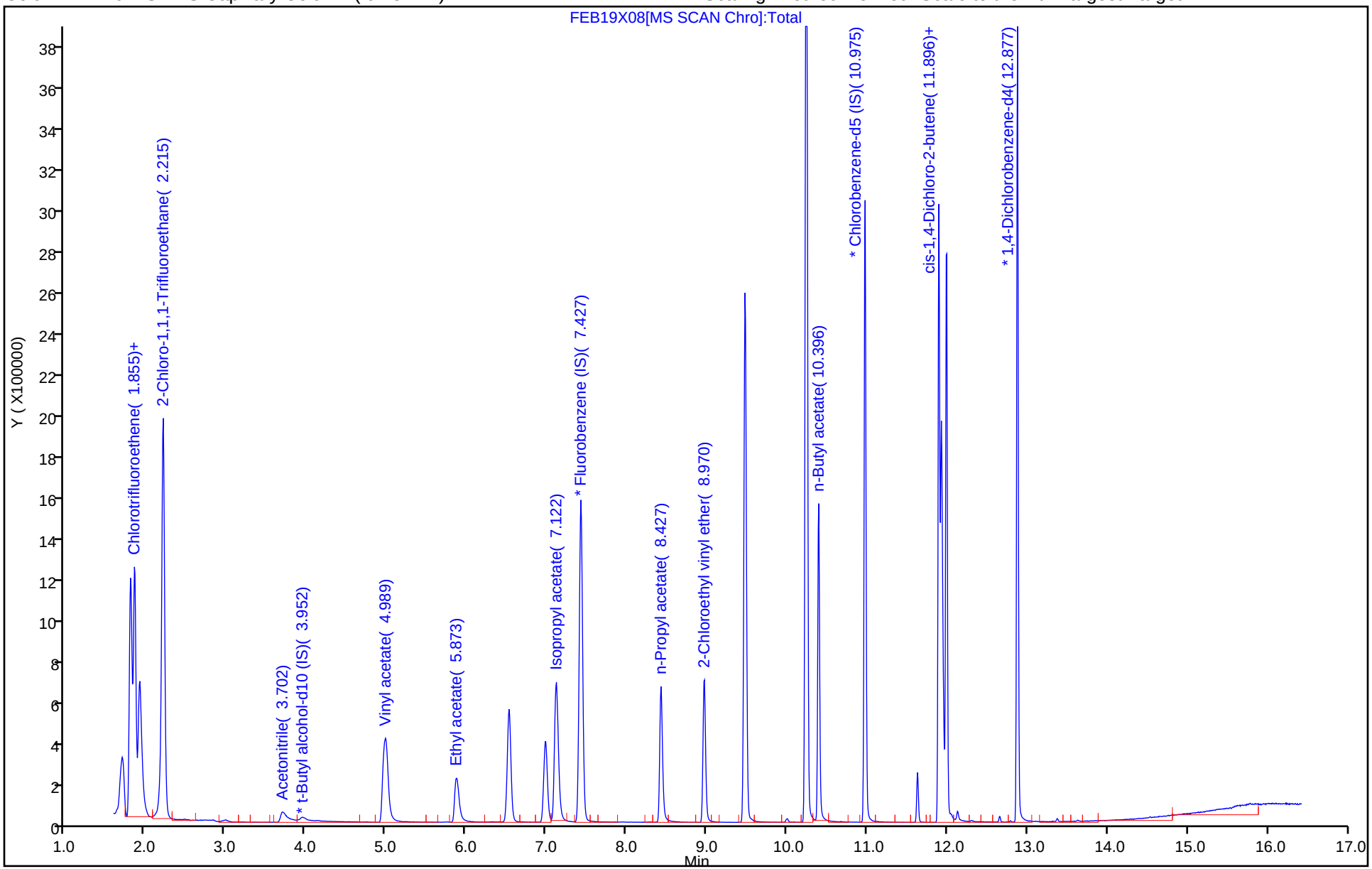
Report Date: 26-Feb-2024 13:07:31 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X08.D

Injection Date:	20-Feb-2024 01:12:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	IC std7sm			Worklist Smp#:	9
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

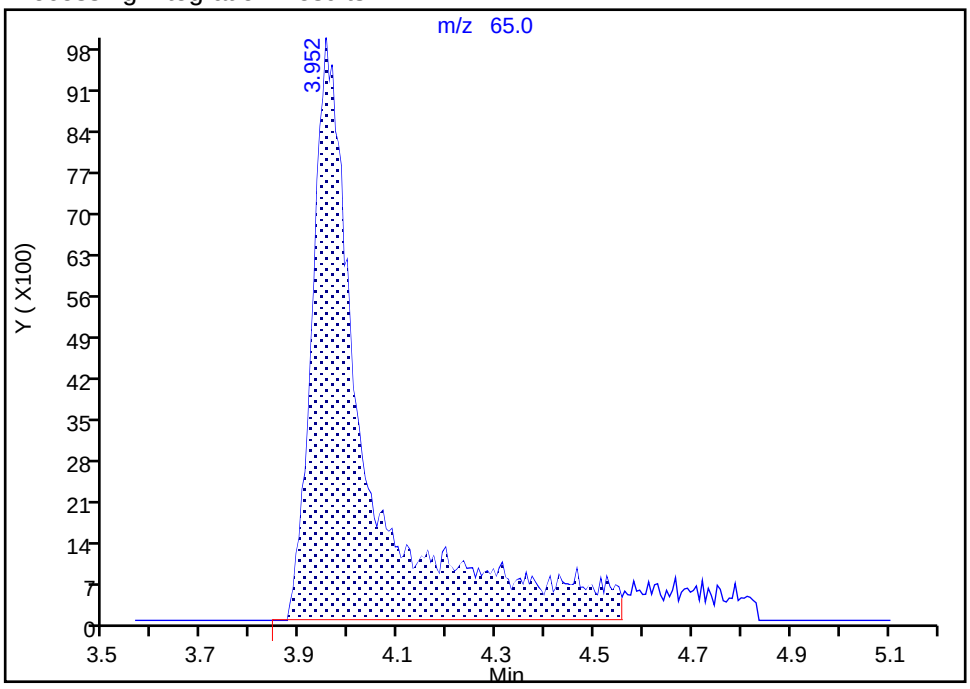
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X08.D
Injection Date: 20-Feb-2024 01:12:30 Instrument ID: 16334
Lims ID: IC std7sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

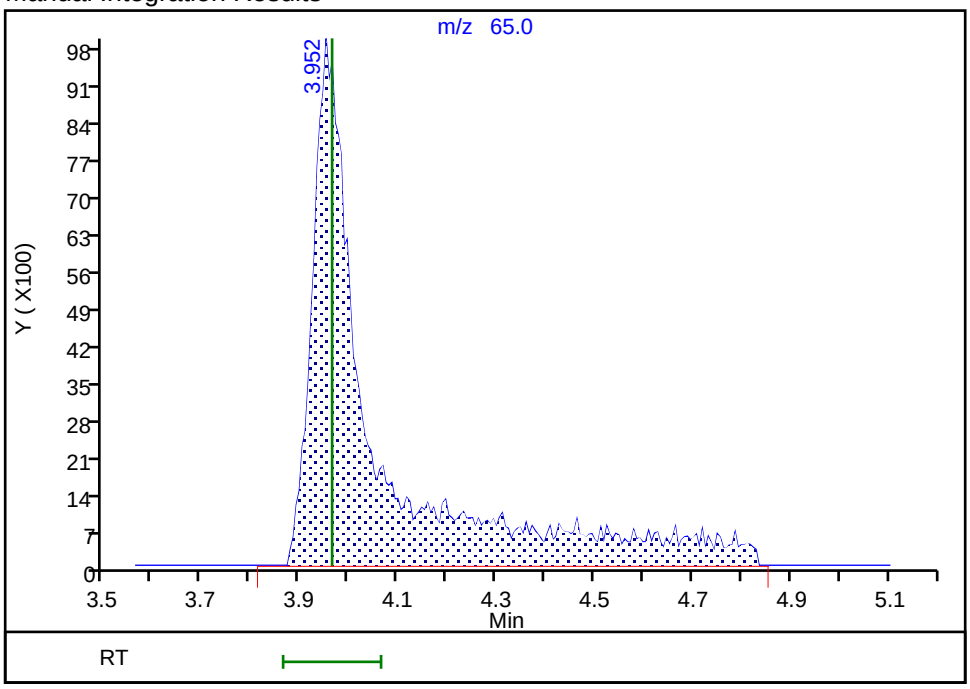
Processing Integration Results

RT: 3.95
Area: 76477
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.95
Area: 84134
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:36:01 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

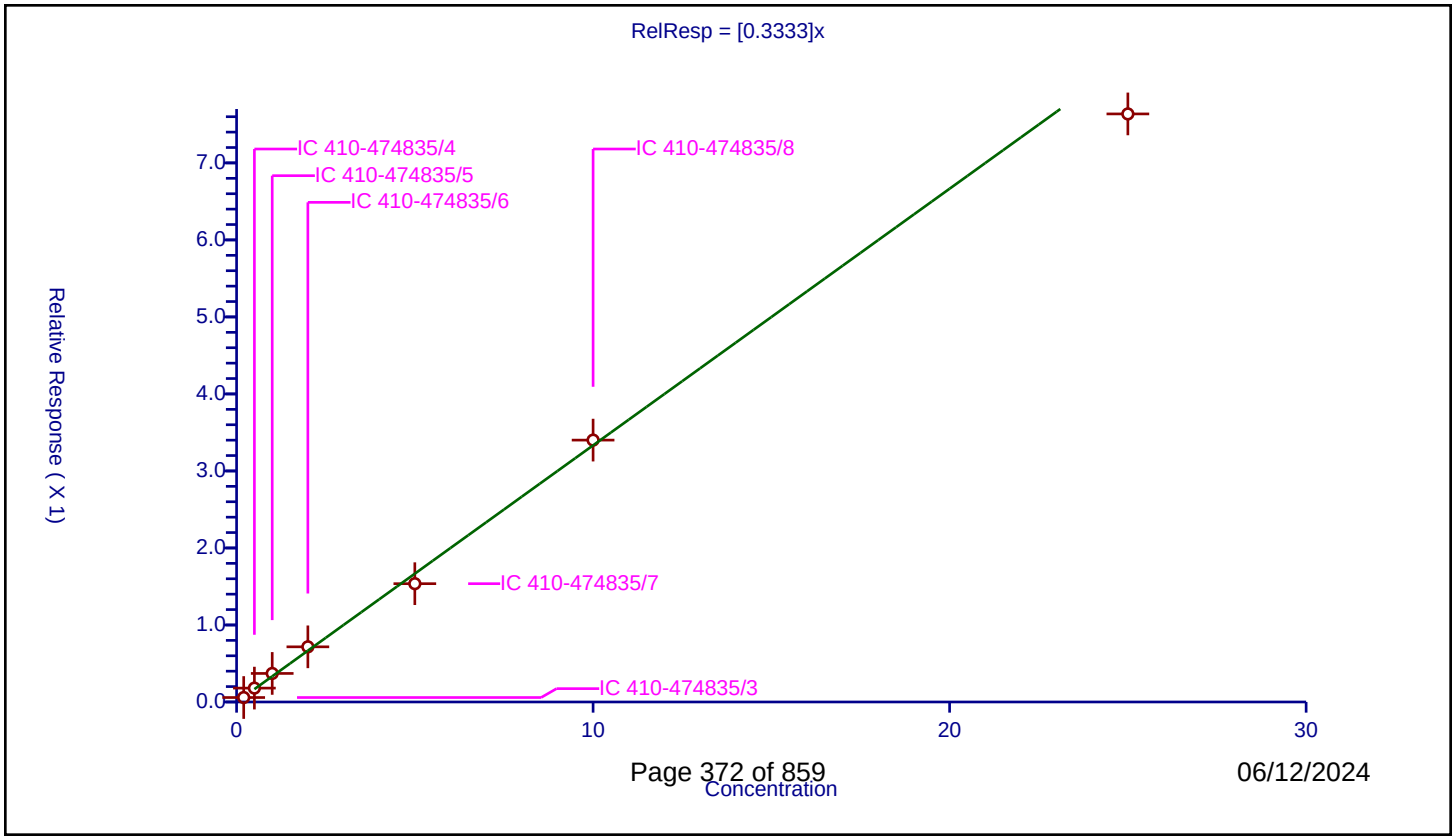
Curve Coefficients

Intercept:	0
Slope:	0.3333

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/3	0.2	0.058116	10.0	2279746.0	0.290581	Y
2	IC 410-474835/4	0.5	0.180208	10.0	2162386.0	0.360417	Y
3	IC 410-474835/5	1.0	0.37085	10.0	2171549.0	0.37085	Y
4	IC 410-474835/6	2.0	0.71625	10.0	2200615.0	0.358125	Y
5	IC 410-474835/7	5.0	1.536423	10.0	2267266.0	0.307285	Y
6	IC 410-474835/8	10.0	3.400757	10.0	2141320.0	0.340076	Y
7	IC 410-474835/9	25.0	7.636112	10.0	2272426.0	0.305444	Y



Calibration / Dimethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

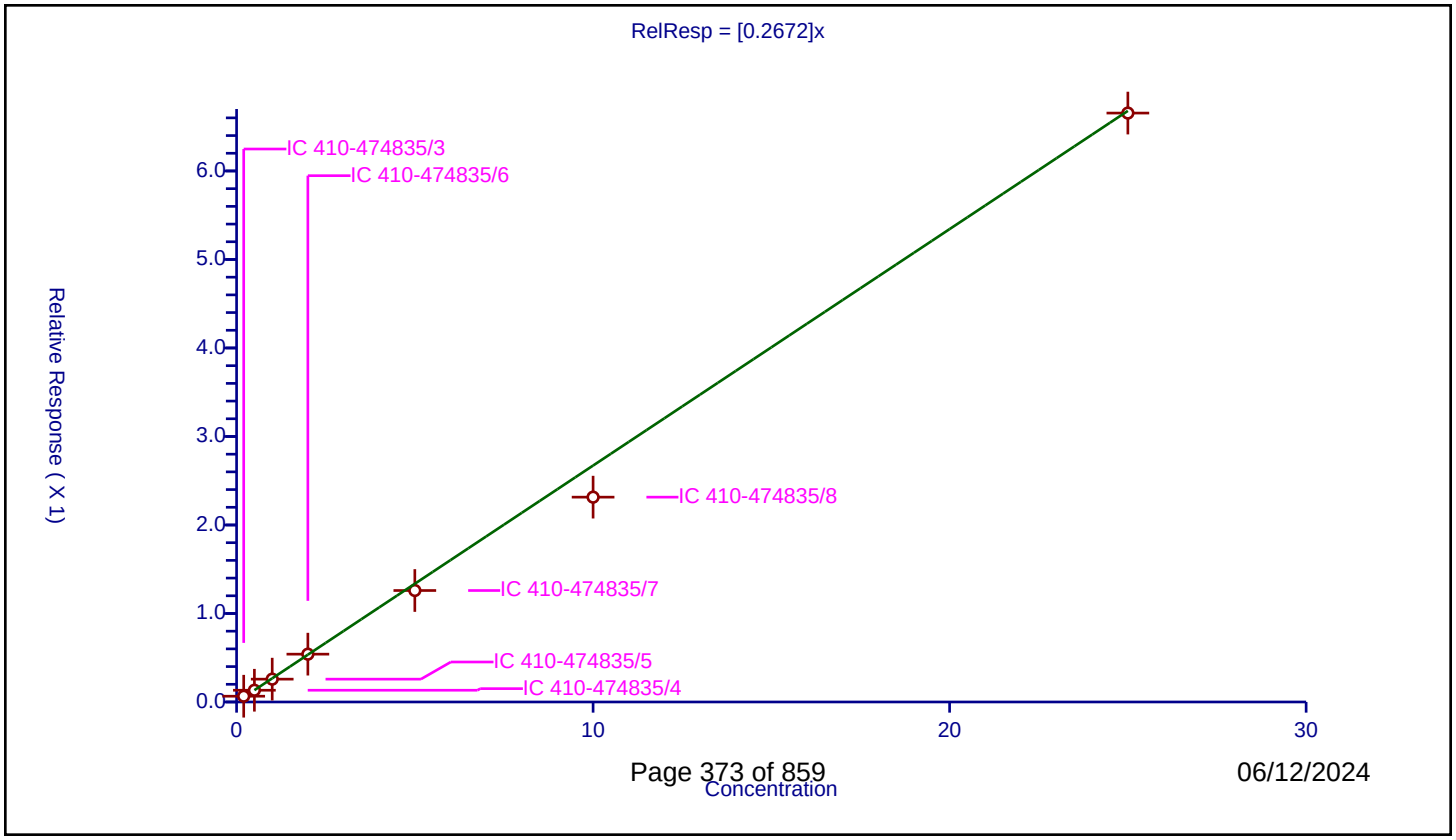
Curve Coefficients

Intercept:	0
Slope:	0.2672

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/3	0.2	0.065327	10.0	2279746.0	0.326637	Y
2	IC 410-474835/4	0.5	0.132715	10.0	2162386.0	0.265429	Y
3	IC 410-474835/5	1.0	0.258212	10.0	2171549.0	0.258212	Y
4	IC 410-474835/6	2.0	0.540526	10.0	2200615.0	0.270263	Y
5	IC 410-474835/7	5.0	1.259698	10.0	2267266.0	0.25194	Y
6	IC 410-474835/8	10.0	2.314395	10.0	2141320.0	0.231439	Y
7	IC 410-474835/9	25.0	6.654184	10.0	2272426.0	0.266167	Y



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

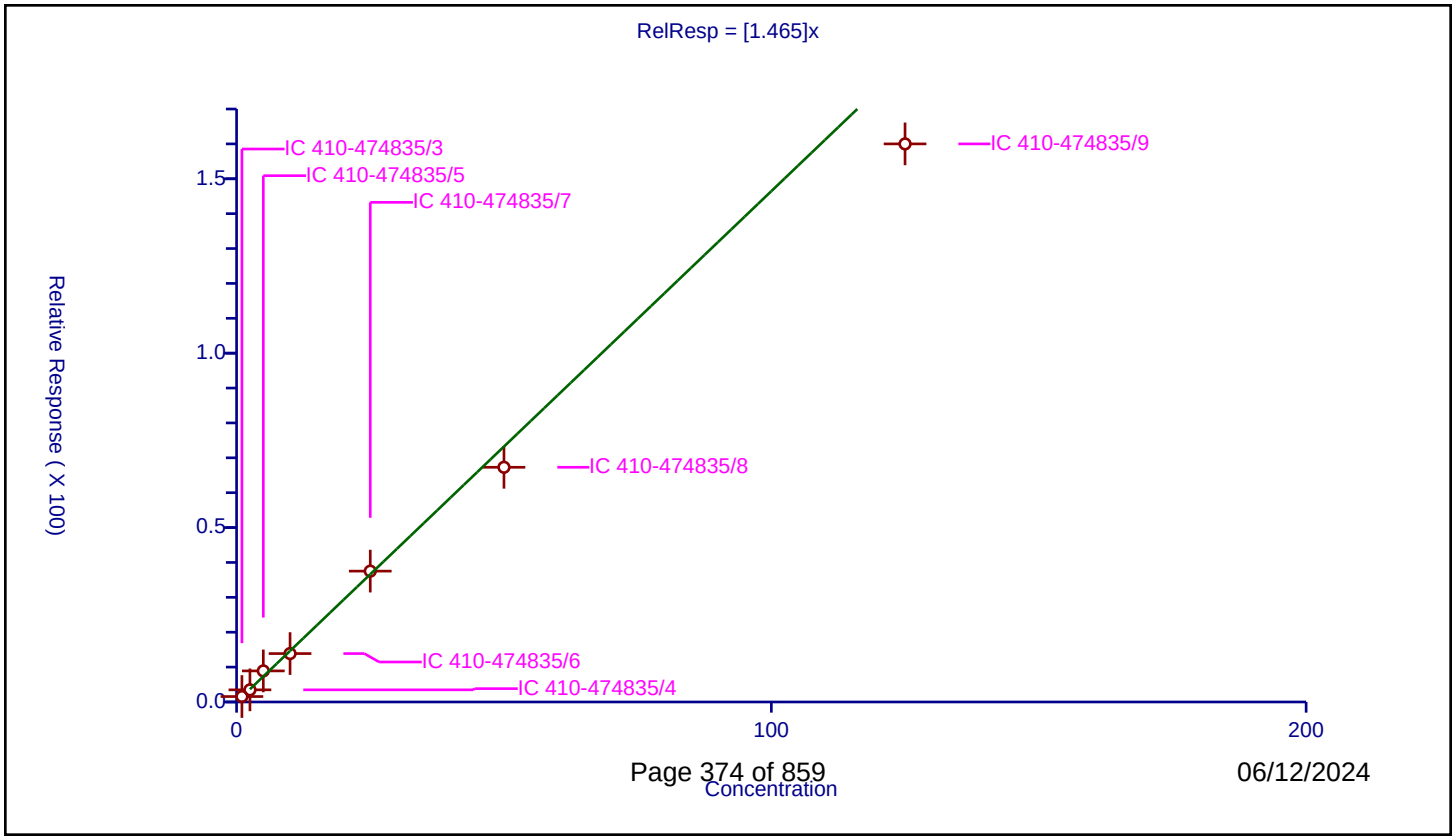
Curve Coefficients

Intercept:	0
Slope:	1.465

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/3	1.0	1.562594	50.0	100058.0	1.562594	Y
2	IC 410-474835/4	2.5	3.482709	50.0	83972.0	1.393083	Y
3	IC 410-474835/5	5.0	8.906885	50.0	78720.0	1.781377	Y
4	IC 410-474835/6	10.0	13.882304	50.0	73817.0	1.38823	Y
5	IC 410-474835/7	25.0	37.516642	50.0	73610.0	1.500666	Y
6	IC 410-474835/8	50.0	67.291376	50.0	69419.0	1.345828	Y
7	IC 410-474835/9	125.0	160.00309	50.0	84134.0	1.280025	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

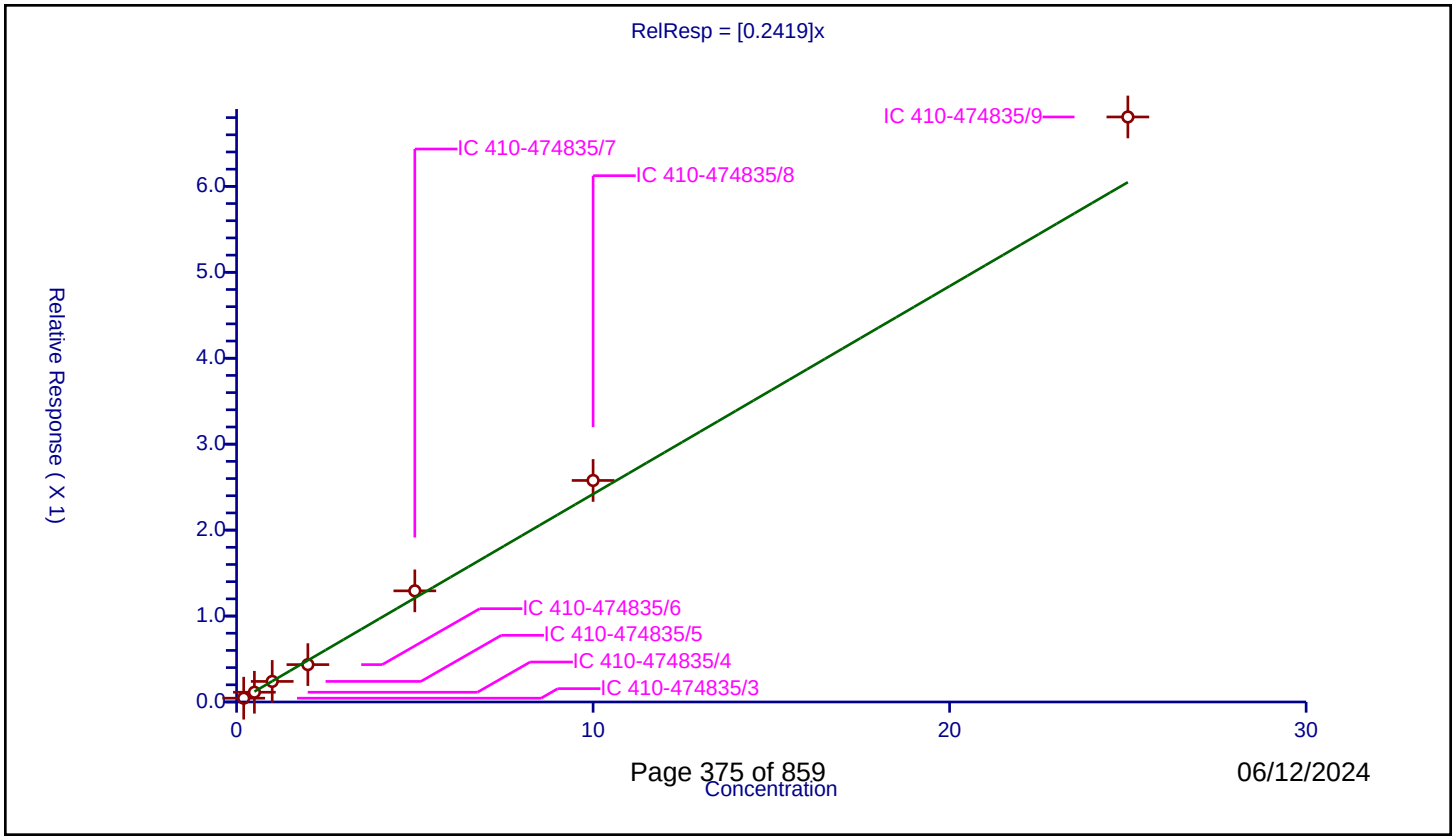
Curve Coefficients

Intercept:	0
Slope:	0.2419

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/3	0.2	0.044194	10.0	2279746.0	0.220968	Y
2	IC 410-474835/4	0.5	0.113412	10.0	2162386.0	0.226824	Y
3	IC 410-474835/5	1.0	0.239543	10.0	2171549.0	0.239543	Y
4	IC 410-474835/6	2.0	0.434974	10.0	2200615.0	0.217487	Y
5	IC 410-474835/7	5.0	1.293179	10.0	2267266.0	0.258636	Y
6	IC 410-474835/8	10.0	2.577788	10.0	2141320.0	0.257779	Y
7	IC 410-474835/9	25.0	6.80743	10.0	2272426.0	0.272297	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

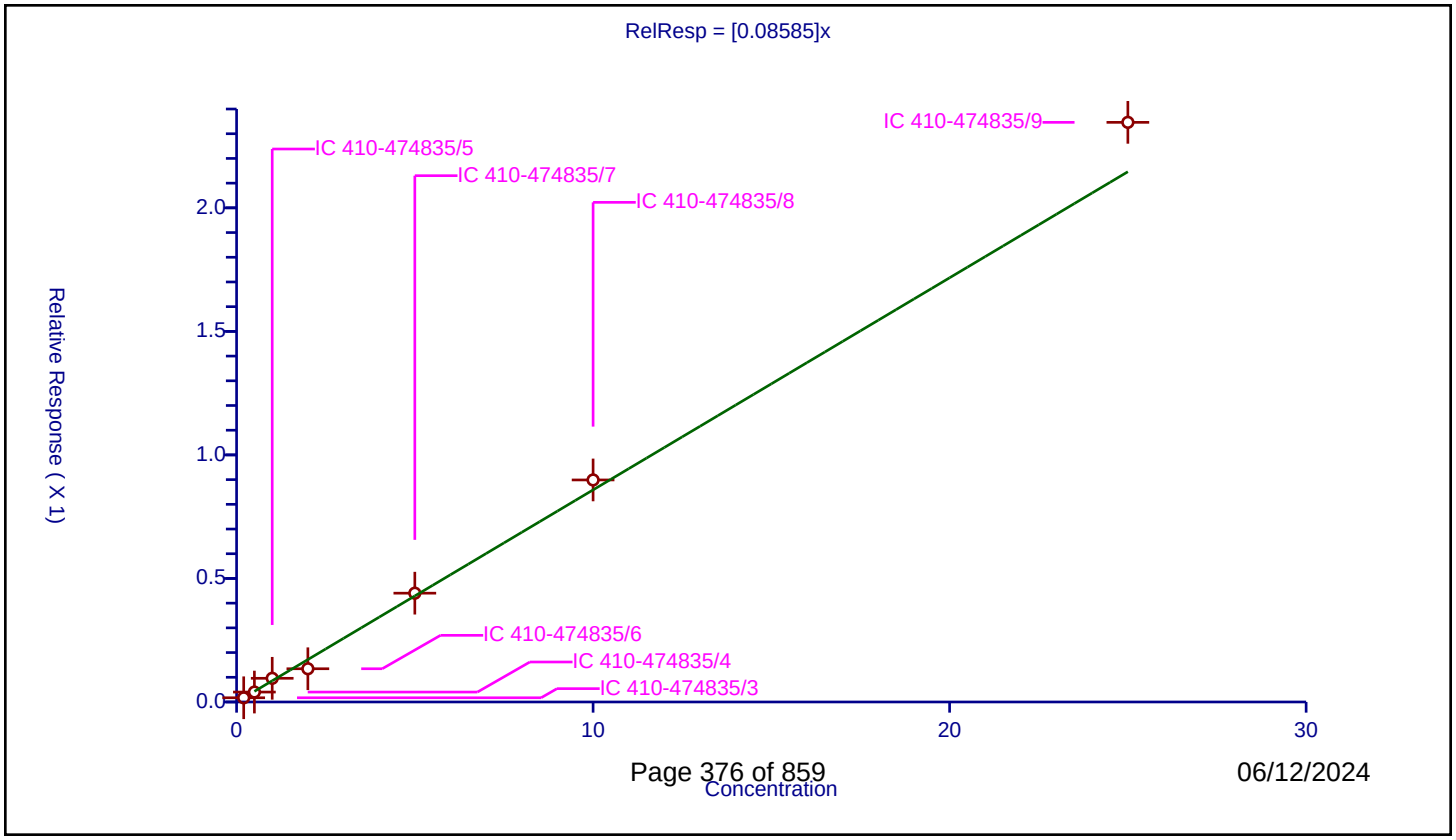
Curve Coefficients

Intercept:	0
Slope:	0.08585

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/3	0.2	0.017094	10.0	2279746.0	0.08547	Y
2	IC 410-474835/4	0.5	0.040247	10.0	2162386.0	0.080494	Y
3	IC 410-474835/5	1.0	0.095895	10.0	2171549.0	0.095895	Y
4	IC 410-474835/6	2.0	0.134517	10.0	2200615.0	0.067258	Y
5	IC 410-474835/7	5.0	0.440456	10.0	2267266.0	0.088091	Y
6	IC 410-474835/8	10.0	0.898675	10.0	2141320.0	0.089867	Y
7	IC 410-474835/9	25.0	2.346039	10.0	2272426.0	0.093842	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

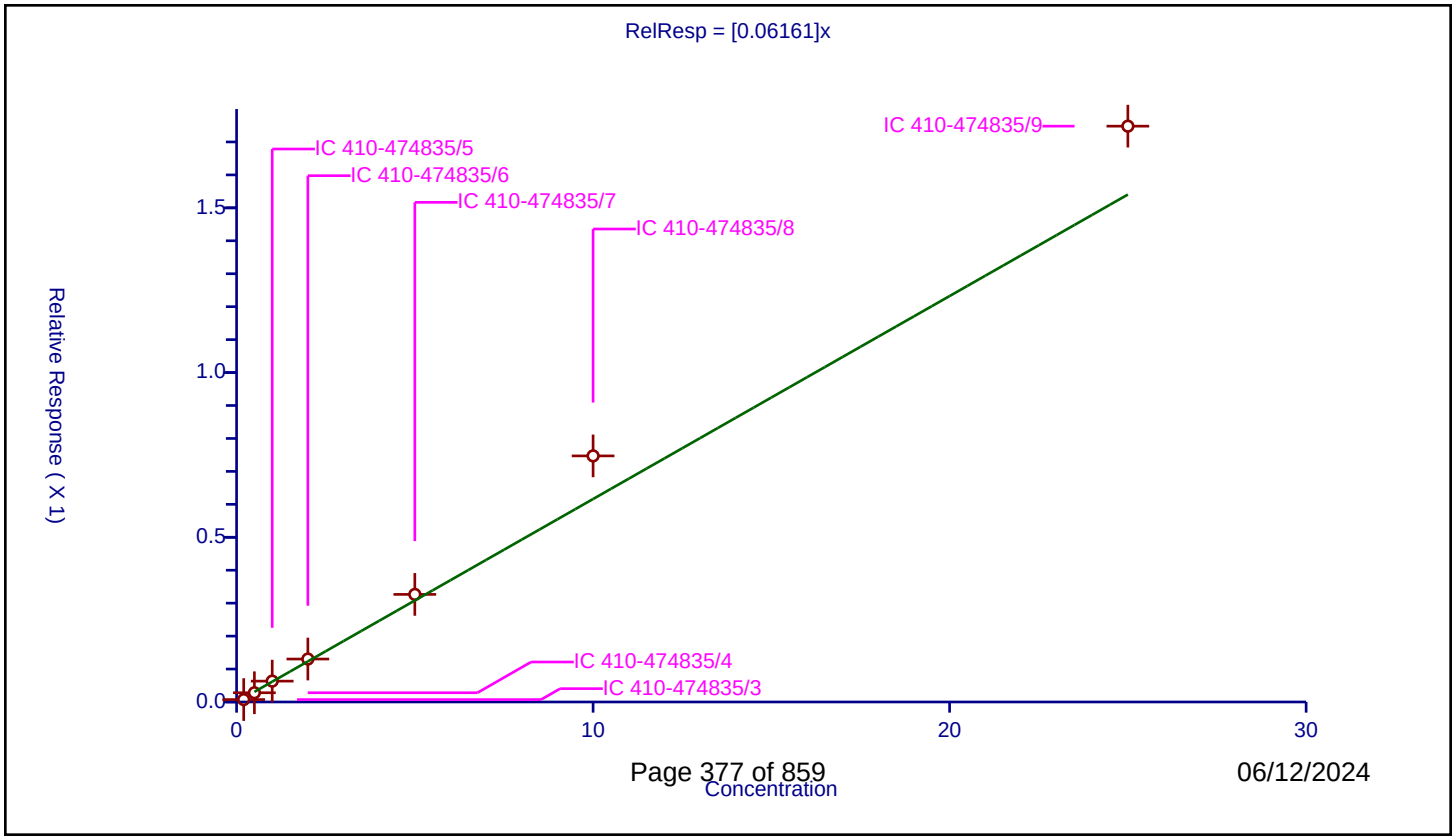
Curve Coefficients

Intercept:	0
Slope:	0.06161

Error Coefficients

Relative Standard Deviation:	20.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/3	0.2	0.007343	10.0	2279746.0	0.036715	Y
2	IC 410-474835/4	0.5	0.028048	10.0	2162386.0	0.056095	Y
3	IC 410-474835/5	1.0	0.06337	10.0	2171549.0	0.06337	Y
4	IC 410-474835/6	2.0	0.13035	10.0	2200615.0	0.065175	Y
5	IC 410-474835/7	5.0	0.326587	10.0	2267266.0	0.065317	Y
6	IC 410-474835/8	10.0	0.747044	10.0	2141320.0	0.074704	Y
7	IC 410-474835/9	25.0	1.747943	10.0	2272426.0	0.069918	Y



Calibration / cis-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

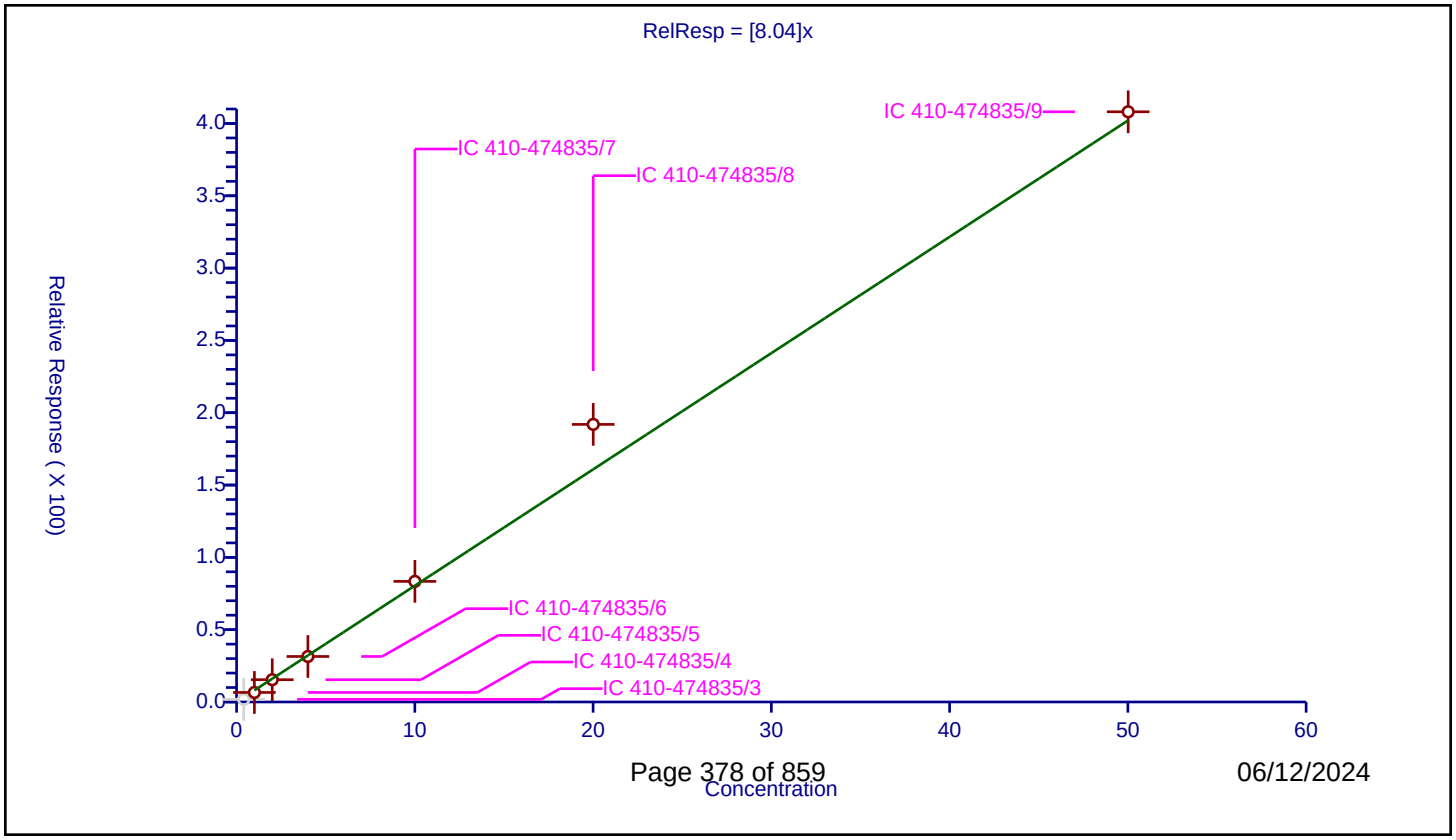
Curve Coefficients

Intercept:	0
Slope:	8.04

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/3	0.40014	1.790462	50.0	100058.0	4.474588	N
2	IC 410-474835/4	1.00035	6.586719	50.0	83972.0	6.584415	Y
3	IC 410-474835/5	2.0007	15.41095	50.0	78720.0	7.702779	Y
4	IC 410-474835/6	4.0014	31.473102	50.0	73817.0	7.865523	Y
5	IC 410-474835/7	10.0035	83.390844	50.0	73610.0	8.336167	Y
6	IC 410-474835/8	20.007	191.924401	50.0	69419.0	9.592863	Y
7	IC 410-474835/9	50.0175	408.084722	50.0	84134.0	8.158839	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

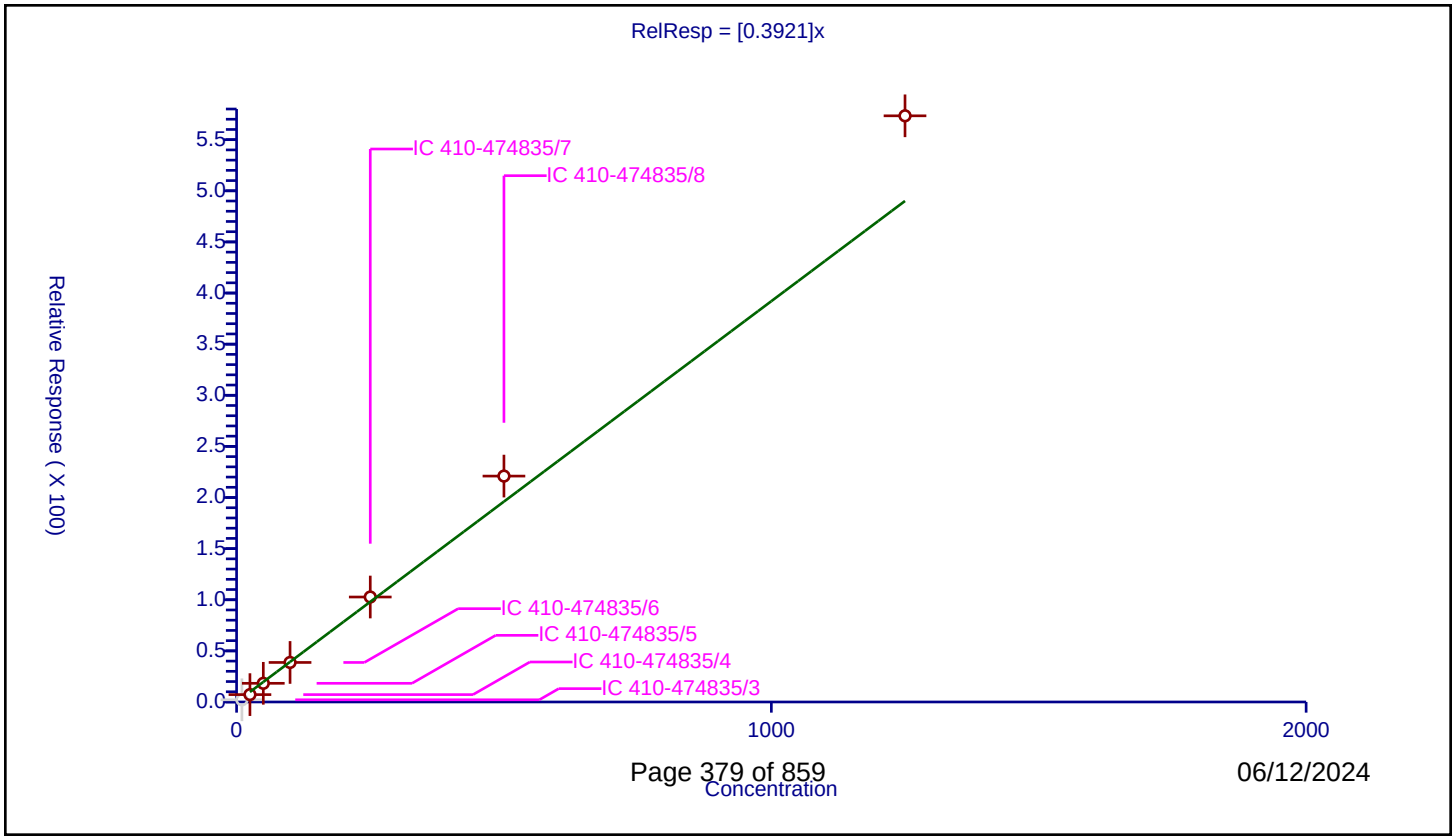
Curve Coefficients

Intercept:	0
Slope:	0.3921

Error Coefficients

Relative Standard Deviation:	15.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/3	9.999698	2.159248	50.0	100058.0	0.215931	N
2	IC 410-474835/4	24.999246	7.220859	50.0	83972.0	0.288843	Y
3	IC 410-474835/5	49.998492	18.264101	50.0	78720.0	0.365293	Y
4	IC 410-474835/6	99.996984	38.677405	50.0	73817.0	0.386786	Y
5	IC 410-474835/7	249.99246	102.679663	50.0	73610.0	0.410731	Y
6	IC 410-474835/8	499.98492	220.974085	50.0	69419.0	0.441961	Y
7	IC 410-474835/9	1249.9623	573.359759	50.0	84134.0	0.458702	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-474835/13	FEB19X12.D
Level 2	IC 410-474835/14	FEB19X13.D
Level 3	IC 410-474835/15	FEB19X14.D
Level 4	IC 410-474835/16	FEB19X15.D
Level 5	IC 410-474835/17	FEB19X16.D
Level 6	ICIS 410-474835/18	FEB19X17.D
Level 7	IC 410-474835/19	FEB19X18.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	0.3716 0.2845	0.3213 0.2942	0.3147	0.3216	0.3148	Ave		0.3175			0.1000	8.7		20.0			
Chloromethane	0.3512 0.2833	0.2964 0.2698	0.2990	0.3040	0.3002	Ave		0.3006			0.1000	8.4		20.0			
Vinyl chloride	0.3471 0.2834	0.2946 0.2743	0.2846	0.2938	0.2951	Ave		0.2961			0.1000	8.0		20.0			
1,3-Butadiene	0.3497 0.2655	0.2833 0.2640	0.2921	0.2849	0.2833	Ave		0.2890				9.9		20.0			
Bromomethane	0.2566 0.2222	0.2224 0.2172	0.2265	0.2300	0.2284	Ave		0.2291			0.1000	5.6		20.0			
Chloroethane	0.2046 0.1687	0.1703 0.1650	0.1691	0.1729	0.1740	Ave		0.1749			0.1000	7.7		20.0			
Dichlorofluoromethane	0.6244 0.4718	0.4863 0.4645	0.4950	0.4951	0.4970	Ave		0.5049			0.1000	10.7		20.0			
Trichlorofluoromethane	0.4748 0.3844	0.4000 0.3818	0.3965	0.4042	0.4049	Ave		0.4067			0.1000	7.7		20.0			
Ethyl ether	0.1355 0.1373	0.1236 0.1356	0.1374	0.1278	0.1417	Ave		0.1341				4.6		20.0			
Freon 123a	0.3233 0.2617	0.2704 0.2606	0.2699	0.2738	0.2706	Ave		0.2757				7.8		20.0			
Acrolein	1.8605 2.0438	1.7329 2.0116	1.7711	1.9091	1.9854	Ave		1.9020				6.3		20.0			
1,1-Dichloroethene	0.2234 0.2068	0.1992 0.2007	0.1860	0.1923	0.2122	Ave		0.2029			0.1000	6.2		20.0			
Acetone	3.3582 2.3660	2.7592 2.5813	2.6375	2.9919	2.5982	Ave		2.7560			0.1000	11.8		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.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

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	0.2192 0.2219	0.1981 0.2151	0.1870	0.1992	0.2239	Ave		0.2092			0.1000	6.8		20.0			
Methyl iodide	0.4502 0.4396	0.3901 0.4290	0.3824	0.3990	0.4515	Ave		0.4203				6.9		20.0			
Ethyl bromide	0.1931 0.1938	0.1651 0.1909	0.1817	0.1759	0.1988	Ave		0.1856				6.4		20.0			
Carbon disulfide	0.7743 0.7173	0.6461 0.6971	0.6229	0.6492	0.7315	Ave		0.6912			0.1000	7.9		20.0			
Methyl acetate	10.943 7.4595	7.9743 7.1084	7.6784	6.9409	7.0448	Ave		7.8784			0.1000	17.8		20.0			
Allyl chloride	0.3899 0.3423	0.3126 0.3357	0.2968	0.3180	0.3543	Ave		0.3357				9.2		20.0			
Methylene Chloride	0.2438 0.2252	0.2058 0.2205	0.2050	0.2140	0.2347	Ave		0.2213			0.1000	6.6		20.0			
t-Butyl alcohol	1.1842 0.9092	1.0264 0.8650	0.8968	0.9785	0.9947	Ave		0.9792				11.0		20.0			
Acrylonitrile	2.4487 3.6505	3.1407 3.4170	3.2088	3.7226	3.7444	Ave		3.3332				13.8		20.0			
Methyl tert-butyl ether	0.5237 0.4961	0.4599 0.4818	0.4635	0.4785	0.5058	Ave		0.4870			0.1000	4.7		20.0			
trans-1,2-Dichloroethene	0.2724 0.2501	0.2311 0.2427	0.2211	0.2316	0.2571	Ave		0.2437			0.1000	7.2		20.0			
n-Hexane	0.2973 0.2870	0.2561 0.2784	0.2422	0.2613	0.2938	Ave		0.2737				7.6		20.0			
1,1-Dichloroethane	0.4457 0.4223	0.3840 0.4024	0.3781	0.3911	0.4386	Ave		0.4089			0.2000	6.6		20.0			
di-Isopropyl ether	0.7109 0.7057	0.6322 0.6920	0.6352	0.6672	0.7278	Ave		0.6816				5.5		20.0			
2-Chloro-1,3-butadiene	0.3726 0.3680	0.3267 0.3576	0.3186	0.3276	0.3706	Ave		0.3488				6.8		20.0			
Ethyl t-butyl ether	0.6745 0.6531	0.5934 0.6351	0.5892	0.6267	0.6667	Ave		0.6341				5.3		20.0			
2-Butanone (MEK)	4.5454 4.3240	4.1509 4.1053	4.2422	4.5031	4.3879	Ave		4.3227			0.1000	3.9		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.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

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								
cis-1,2-Dichloroethene	0.3084 0.2773	0.2587 0.2708	0.2467	0.2606	0.2858	Ave		0.2726			0.1000	7.5		20.0			
2,2-Dichloropropane	0.4257 0.3919	0.3550 0.3818	0.3470	0.3558	0.4041	Ave		0.3802				7.7		20.0			
Propionitrile	1.0683 1.2542	1.1627 1.2459	1.2273	1.3087	1.2876	Ave		1.2221				6.7		20.0			
Methacrylonitrile	4.6779 4.7154	4.3590 4.5397	4.4315	4.7729	4.8196	Ave		4.6166				3.8		20.0			
Bromochloromethane	0.1110 0.1100	0.0984 0.1093	0.0998	0.1019	0.1125	Ave		0.1061				5.5		20.0			
Tetrahydrofuran	1.1210 1.3019	1.1606 1.2626	1.2090	1.2765	1.3036	Ave		1.2336				5.8		20.0			
Chloroform	0.5236 0.4546	0.4337 0.4402	0.4107	0.4254	0.4667	Ave		0.4507			0.2000	8.2		20.0			
1,1,1-Trichloroethane	0.4340 0.4108	0.3764 0.3997	0.3698	0.3761	0.4192	Ave		0.3980			0.1000	6.2		20.0			
Cyclohexane	0.3624 0.3640	0.3244 0.3544	0.3113	0.3285	0.3715	Ave		0.3452			0.1000	6.8		20.0			
Carbon tetrachloride	0.3785 0.3666	0.3245 0.3583	0.3208	0.3271	0.3716	Ave		0.3496			0.1000	7.1		20.0			
1,1-Dichloropropene	0.3598 0.3334	0.2937 0.3258	0.2953	0.3061	0.3405	Ave		0.3221				7.7		20.0			
Isobutyl alcohol	0.0026 0.0027	0.0025 0.0029	0.0022	0.0026	0.0029	Ave		0.0026				9.0		20.0			
Benzene	1.0500 0.9977	0.9011 0.9723	0.8943	0.9206	1.0223	Ave		0.9655			0.5000	6.4		20.0			
1,2-Dichloroethane	0.2620 0.2512	0.2352 0.2461	0.2315	0.2398	0.2588	Ave		0.2464			0.1000	4.7		20.0			
t-Amyl methyl ether	0.5745 0.5636	0.4965 0.5513	0.5027	0.5320	0.5706	Ave		0.5416				5.9		20.0			
n-Heptane	0.3264 0.2964	0.2667 0.2875	0.2563	0.2635	0.2986	Ave		0.2851				8.7		20.0			
n-Butanol	0.1710 0.2548	0.1627 0.2531	0.2058	0.2375	0.2625	Ave		0.2210				18.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

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	0.2958 0.2795	0.2470 0.2704	0.2441	0.2557	0.2870	Ave		0.2685			0.2000	7.5		20.0			
Methylcyclohexane	0.3903 0.4057	0.3454 0.3944	0.3340	0.3639	0.4139	Ave		0.3782			0.1000	8.1		20.0			
1,2-Dichloropropane	0.2421 0.2362	0.2051 0.2320	0.2134	0.2160	0.2398	Ave		0.2264			0.1000	6.5		20.0			
Methyl methacrylate	8.1222 9.4331	7.4647 9.1353	8.5656	8.6509	9.0656	Ave		8.6339				7.8		20.0			
1,4-Dioxane	+++++ 0.0779	+++++ 0.0738	0.0549	0.0763	0.0822	Ave		0.0730			0.0050	14.5		20.0			
Dibromomethane	0.1107 0.1120	0.0985 0.1119	0.0996	0.1055	0.1137	Ave		0.1074				5.8		20.0			
Bromodichloromethane	0.3057 0.3113	0.2646 0.3106	0.2731	0.2845	0.3135	Ave		0.2947			0.2000	6.9		20.0			
2-Nitropropane	3.6621 3.1299	2.8642 3.0288	2.6445	3.1463	3.1449	Ave		3.0887				10.1		20.0			
1-Bromo-2-chloroethane	0.1898 0.2026	0.1693 0.2015	0.1906	0.1869	0.2085	Ave		0.1927				6.8		20.0			
cis-1,3-Dichloropropene	0.3416 0.3599	0.2958 0.3627	0.3035	0.3252	0.3622	Ave		0.3358			0.2000	8.4		20.0			
4-Methyl-2-pentanone (MIBK)	10.868 11.265	10.143 10.798	10.296	11.227	11.445	Ave		10.863			0.1000	4.6		20.0			
Toluene	0.9535 0.8981	0.8049 0.8707	0.8118	0.8231	0.9136	Ave		0.8680			0.4000	6.6		20.0			
trans-1,3-Dichloropropene	0.3376 0.3851	0.3080 0.3909	0.3282	0.3443	0.3914	Ave		0.3551			0.1000	9.5		20.0			
Ethyl methacrylate	0.1917 0.2729	0.2057 0.2731	0.2088	0.2384	0.2679	Ave		0.2369				14.8		20.0			
1,1,2-Trichloroethane	0.1995 0.2046	0.1831 0.2015	0.1896	0.1928	0.2092	Ave		0.1972			0.1000	4.6		20.0			
Tetrachloroethene	0.4411 0.4309	0.3817 0.4194	0.3874	0.3911	0.4414	Ave		0.4133			0.2000	6.3		20.0			
1,3-Dichloropropane	0.3580 0.3417	0.3095 0.3377	0.3155	0.3295	0.3538	Ave		0.3351				5.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

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-Hexanone	5.3226 7.5201	5.8886 7.3057	6.3481	7.2710	7.5958	Ave		6.7503			0.1000	13.3		20.0			
Dibromochloromethane	0.2615 0.2827	0.2362 0.2854	0.2465	0.2543	0.2842	Ave		0.2644				7.5		20.0			
1,2-Dibromoethane (EDB)	0.1811 0.1999	0.1651 0.1990	0.1771	0.1834	0.2013	Ave		0.1867			0.1000	7.4		20.0			
1-Chlorohexane	0.5966 0.4833	0.4691 0.4744	0.4352	0.4447	0.4911	Ave		0.4849				11.0		20.0			
Chlorobenzene	1.0485 1.0093	0.9147 1.0031	0.9237	0.9492	1.0403	Ave		0.9841			0.5000	5.6		20.0			
1,1,1,2-Tetrachloroethane	0.3540 0.3723	0.3118 0.3732	0.3314	0.3384	0.3766	Ave		0.3511				7.1		20.0			
Ethylbenzene	1.8079 1.8013	1.5985 1.7730	1.5857	1.6444	1.8448	Ave		1.7222			0.1000	6.3		20.0			
m&p-Xylene	0.7081 0.7131	0.6177 0.7071	0.6253	0.6445	0.7274	Ave		0.6776			0.1000	6.9		20.0			
o-Xylene	0.7175 0.7072	0.5999 0.6968	0.6109	0.6450	0.7213	Ave		0.6712			0.3000	7.7		20.0			
Styrene	1.0184 1.1456	0.9195 1.1538	0.9336	1.0058	1.1532	Ave		1.0471			0.3000	9.9		20.0			
Bromoform	0.1545 0.1685	0.1396 0.1738	0.1407	0.1465	0.1663	Ave		0.1557			0.1000	9.0		20.0			
Isopropylbenzene	1.7395 1.7209	1.5284 1.6784	1.5119	1.5510	1.7601	Ave		1.6415			0.1000	6.5		20.0			
1,1,2,2-Tetrachloroethane	0.3995 0.4210	0.3787 0.4076	0.3791	0.4040	0.4301	Ave		0.4029			0.3000	4.8		20.0			
Bromobenzene	0.8059 0.7781	0.7044 0.7552	0.7168	0.7369	0.7930	Ave		0.7558				5.1		20.0			
trans-1,4-Dichloro-2-butene	4.8922 5.3548	4.5144 5.2854	4.6386	5.1440	5.3834	Ave		5.0304				7.0		20.0			
1,2,3-Trichloropropane	0.1079 0.1202	0.1074 0.1153	0.1111	0.1152	0.1210	Ave		0.1140				4.8		20.0			
N-Propylbenzene	3.9303 3.7455	3.3169 3.5667	3.3591	3.5047	3.8706	Ave		3.6134				6.7		20.0			

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FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

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-Chlorotoluene	0.8117 0.8048	0.7296 0.7764	0.7381	0.7564	0.8178	Ave		0.7764				4.7		20.0			
1,3,5-Trimethylbenzene	2.7982 2.8074	2.4628 2.7050	2.4788	2.5597	2.8710	Ave		2.6690				6.3		20.0			
4-Chlorotoluene	0.8590 0.8342	0.7183 0.8184	0.7576	0.7752	0.8482	Ave		0.8016				6.5		20.0			
tert-Butylbenzene	0.6305 0.6549	0.5765 0.6290	0.5475	0.5913	0.6622	Ave		0.6131				6.9		20.0			
Pentachloroethane	0.4055 0.4991	0.3919 0.4908	0.4390	0.4183	0.4952	Ave		0.4485				10.2		20.0			
1,2,4-Trimethylbenzene	2.8572 2.9048	2.4530 2.8267	2.5861	2.6936	2.9598	Ave		2.7545				6.7		20.0			
sec-Butylbenzene	3.6429 3.5678	3.1790 3.4017	3.2342	3.2949	3.6697	Ave		3.4272				5.9		20.0			
1,3-Dichlorobenzene	1.6727 1.6466	1.4596 1.6028	1.4621	1.5232	1.6867	Ave		1.5791			0.6000	6.1		20.0			
p-Isopropyltoluene	3.1480 3.2369	2.8295 3.0863	2.8205	2.9168	3.2609	Ave		3.0427				6.1		20.0			
1,4-Dichlorobenzene	1.6879 1.6431	1.5030 1.6042	1.5368	1.5694	1.6995	Ave		1.6063			0.5000	4.7		20.0			
1,2,3-Trimethylbenzene	1.3436 1.2765	1.1467 1.2429	1.1685	1.1991	1.2871	Ave		1.2378				5.7		20.0			
Benzyl chloride	0.1568 0.2010	0.1425 0.2028	0.1522	0.1737	0.1970	Ave		0.1752				14.4		20.0			
n-Butylbenzene	1.5432 1.6231	1.3659 1.5736	1.4023	1.4479	1.6355	Ave		1.5131				7.1		20.0			
1,2-Dichlorobenzene	1.4810 1.4370	1.2663 1.4008	1.2920	1.3601	1.4652	Ave		1.3861			0.4000	6.0		20.0			
1,2-Dibromo-3-Chloropropane	0.0374 0.0630	0.0519 0.0614	0.0524	0.0575	0.0646	Ave		0.0554			0.0500	17.0		20.0			
1,3,5-Trichlorobenzene	1.3279 1.3365	1.1645 1.2716	1.1960	1.2301	1.3646	Ave		1.2702				6.0		20.0			
1,2,4-Trichlorobenzene	0.9661 1.0319	0.8713 0.9890	0.9161	0.9440	1.0434	Ave		0.9660			0.2000	6.4		20.0			

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FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

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								
Hexachlorobutadiene	0.5752 0.5758	0.5219 0.5522	0.5205	0.5368	0.5968	Ave		0.5542				5.3		20.0			
Naphthalene	1.2153 1.3356	1.0874 1.2550	1.1470	1.2230	1.3502	Ave		1.2305				7.7		20.0			
1,2,3-Trichlorobenzene	0.7110 0.7630	0.6552 0.7228	0.6799	0.7003	0.7703	Ave		0.7146				5.8		20.0			
Dibromofluoromethane (Surr)	0.2378 0.2392	0.2391 0.2417	0.2377	0.2384	0.2379	Ave		0.2388				0.6		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0435 0.0428	0.0435 0.0434	0.0430	0.0431	0.0432	Ave		0.0432				0.6		20.0			
Toluene-d8 (Surr)	1.2990 1.2963	1.2944 1.2997	1.2996	1.2919	1.2962	Ave		1.2967				0.2		20.0			
4-Bromofluorobenzene (Surr)	0.4668 0.4782	0.4737 0.4799	0.4761	0.4713	0.4798	Ave		0.4751				1.0		20.0			

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FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-174025-1 | Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 | Calibration End Date: 02/20/2024 04:53 | Calibration ID: 59046

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-474835/13	FEB19X12.D
Level 2	IC 410-474835/14	FEB19X13.D
Level 3	IC 410-474835/15	FEB19X14.D
Level 4	IC 410-474835/16	FEB19X15.D
Level 5	IC 410-474835/17	FEB19X16.D
Level 6	ICIS 410-474835/18	FEB19X17.D
Level 7	IC 410-474835/19	FEB19X18.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	15350 644630	34805 1715191	69817	139019	345446	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	14509 642065	32112 1572954	66326	131392	329378	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	14337 642225	31914 1599284	63138	126990	323767	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	14447 601733	30693 1538804	64797	123127	310872	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	10602 503546	24093 1266258	50258	99407	250593	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	8452 382257	18456 962111	37516	74721	190898	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	25796 1069105	52690 2708086	109821	213986	545320	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	19615 870962	43342 2225438	87968	174719	444309	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	5600 311182	13396 790466	30496	55258	155465	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Freon 123a	FB	Ave	13357 592970	29291 1519318	59867	118334	296916	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd10	Ave	34038 2169618	84153 5678602	175259	360835	1016253	10.00 500	25.0 1250	50.0	100.0	250
1,1-Dichloroethene	FB	Ave	9230 468517	21579 1170177	41261	83110	232811	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd10	Ave	12288 502359	26798 1457412	52201	113101	265993	2.00 100	5.00 250	10.0	20.0	50.0
Freon 113	FB	Ave	9057 502869	21460 1253647	41486	86077	245696	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

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	18599 996037	42265 2500879	84829	172467	495366	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl bromide	FB	Ave	7979 439178	17891 1113287	40325	76030	218192	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon disulfide	FB	Ave	31987 1625447	69996 4063880	138186	280591	802643	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd10	Ave	4004 158381	7745 401346	15197	26238	72121	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	16107 775632	33873 1957223	65852	137466	388783	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	10071 510370	22292 1285588	45480	92478	257486	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd10	Ave	8666 386062	19937 976719	35497	73980	203672	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd10	Ave	2240 193770	7626 482323	15877	35180	95834	0.500 25.0	1.25 62.5	2.50	5.00	12.5
Methyl tert-butyl ether	FB	Ave	21634 1124176	49825 2808916	102824	206800	554923	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,2-Dichloroethene	FB	Ave	11252 566832	25035 1414868	49042	100085	282105	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	12281 650387	27748 1623025	53729	112919	322404	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	18413 957021	41606 2345830	83876	169032	481207	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	29367 1599197	68493 4033901	140914	288394	798600	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	15392 833926	35398 2084476	70687	141599	406609	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	27866 1479818	64286 3702468	130723	270882	731502	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone (MEK)	TBAd10	Ave	16632 918069	40315 2317915	83961	170225	449214	2.00 100	5.00 250	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	12740 628461	28031 1578354	54722	112636	313581	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	17586 888149	38458 2225780	76987	153775	443421	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propionitrile	TBAd10	Ave	7818 532599	22586 1406861	48580	98944	263646	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd10	Ave	17117 1001168	42336 2563175	87708	180427	493409	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	4587 249171	10657 636904	22144	44036	123476	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd10	Ave	2051 138209	5636 356438	11964	24127	66730	1.00 50.0	2.50 125	5.00	10.0	25.0
Chloroform	FB	Ave	21631 1030152	46987 2566192	91112	183856	512107	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	17930 930878	40781 2330086	82044	162546	459922	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	14973 824801	35150 2065778	69069	141988	407575	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	15635 830682	35153 2088649	71175	141394	407764	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	14862 755425	31816 1899259	65519	132293	373602	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	FB	Ave	5380 308539	13649 841152	24796	55845	160911	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	43377 2260731	97628 5667983	198399	397891	1121740	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	10825 569292	25477 1434709	51368	103635	283911	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	23733 1277000	53796 3213670	111531	229944	626099	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	13484 671650	28899 1676273	56853	113906	327628	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butanol	TBAd10	Ave	5475 473275	13830 1250265	35642	78550	235101	17.5 875	43.8 2188	87.5	175	438
Trichloroethene	FB	Ave	12220 633281	26761 1576388	54154	110505	314910	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	16122 919412	37422 2299266	74091	157278	454094	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	10000 535258	22225 1352596	47350	93378	263166	0.200 10.0	0.500 25.0	1.00	2.00	5.00

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

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 methacrylate	TBAd10	Ave	2972 200284	7250 515786	16953	32702	92809	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dioxane	TBAd10	Ave	+++++ 82688	+++++ 208281	5432	14430	42081	+++++ 500	+++++ 1250	50.0	100	250
Dibromomethane	FB	Ave	4575 253805	10675 652425	22086	45600	124802	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromodichloromethane	FB	Ave	12628 705303	28664 1810558	60579	122975	343961	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBAd10	Ave	6700 332267	13909 855043	26170	59469	160981	1.00 50.0	2.50 125	5.00	10.0	25.0
1-Bromo-2-chloroethane	FB	Ave	7839 459073	18337 1174804	42279	80765	228732	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,3-Dichloropropene	FB	Ave	14112 815570	32050 2114220	67321	140552	397425	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone (MIBK)	TBAd10	Ave	39769 2391733	98514 6096558	203769	424395	1171675	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd5	Ave	29471 1531961	65223 3829664	133908	267589	749956	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	10433 656967	24960 1719580	54131	111948	321318	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	5926 465562	16666 1201377	34442	77493	219900	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	6165 348921	14838 886374	31279	62684	171702	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrachloroethene	CBZd5	Ave	13633 734950	30929 1844914	63891	127149	362387	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichloropropane	CBZd5	Ave	11066 582891	25081 1485453	52040	107121	290463	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Hexanone	TBAd10	Ave	19476 1596670	57192 4124892	125641	274858	777625	2.00 100	5.00 250	10.0	20.0	50.0
Dibromochloromethane	CBZd5	Ave	8083 482234	19141 1255169	40665	82683	233283	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromoethane (EDB)	CBZd5	Ave	5597 340980	13375 875201	29205	59637	165238	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1-Chlorohexane	CBZd5	Ave	18439 824328	38011 2086778	71780	144581	403138	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

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
Chlorobenzene	CBZd5	Ave	32406 1721580	74119 4412166	152365	308586	854009	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	10941 635086	25265 1641733	54658	110024	309170	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd5	Ave	55876 3072583	129523 7798430	261557	534589	1514458	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd5	Ave	43770 2432612	100102 6220275	206285	419038	1194218	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd5	Ave	22176 1206280	48611 3064782	100756	209696	592140	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Styrene	CBZd5	Ave	31475 1954066	74503 5074971	153991	327002	946669	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromoform	CBZd5	Ave	4776 287480	11311 764498	23212	47644	136541	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isopropylbenzene	CBZd5	Ave	53763 2935462	123843 7382541	249373	504230	1444931	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd4	Ave	6898 413113	17246 1057359	34986	73739	201704	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromobenzene	DCBd4	Ave	13914 763521	32081 1958916	66160	134494	371915	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	TBAd10	Ave	17901 1136938	43846 2984186	91807	194455	551126	2.00 100	5.00 250	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	1863 117968	4889 299041	10252	21017	56738	0.200 10.0	0.500 25.0	1.00	2.00	5.00
N-Propylbenzene	DCBd4	Ave	67859 3675258	151056 9251973	310031	639663	1815342	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chlorotoluene	DCBd4	Ave	14015 789729	33227 2013892	68122	138058	383548	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd4	Ave	48313 2754789	112159 7016926	228782	467180	1346538	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Chlorotoluene	DCBd4	Ave	14832 818559	32713 2122883	69926	141489	397816	0.200 10.0	0.500 25.0	1.00	2.00	5.00
tert-Butylbenzene	DCBd4	Ave	10886 642623	26255 1631511	50530	107917	310567	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Pentachloroethane	DCBd4	Ave	7001 489738	17847 1273068	40519	76355	232246	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd4	Ave	49331 2850385	111711 7332575	238685	491624	1388175	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd4	Ave	62897	144774	298500	601363	1721115	0.200	0.500	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

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
			3500938	8824142				10.0	25.0			
1,3-Dichlorobenzene	DCBd4	Ave	28881 1615697	66472 4157612	134945	278013	791088	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd4	Ave	54352 3176263	128857 8005810	260316	532356	1529419	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd4	Ave	29142 1612263	68449 4161421	141840	286446	797094	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd4	Ave	23198 1252571	52224 3223999	107843	218856	603646	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd4	Ave	2708 197189	6490 526181	14049	31710	92394	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd4	Ave	26644 1592677	62205 4082012	129424	264268	767060	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd4	Ave	25571 1410057	57669 3633712	119247	248237	687202	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	645 61811	2362 159282	4834	10499	30299	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd4	Ave	22927 1311423	53035 3298650	110387	224507	640030	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trichlorobenzene	DCBd4	Ave	16681 1012602	39678 2565470	84556	172296	489372	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Hexachlorobutadiene	DCBd4	Ave	9931 565005	23766 1432331	48041	97971	279891	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Naphthalene	DCBd4	Ave	20983 1310516	49521 3255403	105865	223208	633267	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trichlorobenzene	DCBd4	Ave	12276 748719	29839 1874918	62756	127807	361295	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromofluoromethane (Surr)	FB	Ave	491093 542083	518018 563500	527332	515134	521971	10.0 10.0	10.0 10.0	10.0	10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	89853 96981	94352 101308	95500	93108	94700	10.0 10.0	10.0 10.0	10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	2007464 2211134	2097736 2286670	2143649	2100090	2128126	10.0 10.0	10.0 10.0	10.0	10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	721332 815753	767714 844338	785245	766052	787762	10.0 10.0	10.0 10.0	10.0	10.0	10.0

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-474835/13	FEB19X12.D
Level 2	IC 410-474835/14	FEB19X13.D
Level 3	IC 410-474835/15	FEB19X14.D
Level 4	IC 410-474835/16	FEB19X15.D
Level 5	IC 410-474835/17	FEB19X16.D
Level 6	ICIS 410-474835/18	FEB19X17.D
Level 7	IC 410-474835/19	FEB19X18.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	17.0 -7.3	1.2	-0.9	1.3	-0.8	-10.4	50 30	30	30	30	30	30
Chloromethane	16.9 -10.2	-1.4	-0.5	1.1	-0.1	-5.7	50 30	30	30	30	30	30
Vinyl chloride	17.2 -7.4	-0.5	-3.9	-0.8	-0.4	-4.3	50 30	30	30	30	30	30
1,3-Butadiene	21.0 -8.7	-2.0	1.1	-1.4	-2.0	-8.1	50 30	30	30	30	30	30
Bromomethane	12.0 -5.2	-2.9	-1.1	0.4	-0.3	-3.0	50 30	30	30	30	30	30
Chloroethane	16.9 -5.7	-2.6	-3.3	-1.2	-0.6	-3.6	50 30	30	30	30	30	30
Dichlorofluoromethane	23.7 -8.0	-3.7	-2.0	-1.9	-1.6	-6.6	50 30	30	30	30	30	30
Trichlorofluoromethane	16.8 -6.1	-1.6	-2.5	-0.6	-0.4	-5.5	50 30	30	30	30	30	30
Ethyl ether	1.0 1.1	-7.8	2.5	-4.7	5.6	2.4	50 30	30	30	30	30	30
Freon 123a	17.3 -5.5	-2.0	-2.1	-0.7	-1.9	-5.1	50 30	30	30	30	30	30
Acrolein	-2.2 5.8	-8.9	-6.9	0.4	4.4	7.5	50 30	30	30	30	30	30
1,1-Dichloroethene	10.1 -1.1	-1.9	-8.4	-5.2	4.6	1.9	50 30	30	30	30	30	30
Acetone	21.8 -6.3	0.1	-4.3	8.6	-5.7	-14.2	50 30	30	30	30	30	30
Freon 113	4.8 2.8	-5.3	-10.6	-4.8	7.0	6.1	50 30	30	30	30	30	30
Methyl iodide	7.1 2.1	-7.2	-9.0	-5.1	7.4	4.6	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.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

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
Ethyl bromide	4.0 2.9	-11.1	-2.1	-5.3	7.1	4.4	50 30	30	30	30	30	30
Carbon disulfide	12.0 0.9	-6.5	-9.9	-6.1	5.8	3.8	50 30	30	30	30	30	30
Methyl acetate	38.9 -9.8	1.2	-2.5	-11.9	-10.6	-5.3	50 30	30	30	30	30	30
Allyl chloride	16.2 0.0	-6.9	-11.6	-5.3	5.6	2.0	50 30	30	30	30	30	30
Methylene Chloride	10.2 -0.3	-7.0	-7.4	-3.3	6.1	1.8	50 30	30	30	30	30	30
t-Butyl alcohol	20.9 -11.7	4.8	-8.4	-0.1	1.6	-7.2	50 30	30	30	30	30	30
Acrylonitrile	-26.5 2.5	-5.8	-3.7	11.7	12.3	9.5	50 30	30	30	30	30	30
Methyl tert-butyl ether	7.5 -1.1	-5.6	-4.8	-1.8	3.8	1.9	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	11.8 -0.4	-5.2	-9.3	-5.0	5.5	2.6	50 30	30	30	30	30	30
n-Hexane	8.6 1.7	-6.4	-11.5	-4.6	7.3	4.9	50 30	30	30	30	30	30
1,1-Dichloroethane	9.0 -1.6	-6.1	-7.5	-4.4	7.3	3.3	50 30	30	30	30	30	30
di-Isopropyl ether	4.3 1.5	-7.2	-6.8	-2.1	6.8	3.5	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	6.8 2.5	-6.3	-8.7	-6.1	6.2	5.5	50 30	30	30	30	30	30
Ethyl t-butyl ether	6.4 0.2	-6.4	-7.1	-1.2	5.1	3.0	50 30	30	30	30	30	30
2-Butanone (MEK)	5.2 -5.0	-4.0	-1.9	4.2	1.5	0.0	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	13.1 -0.7	-5.1	-9.5	-4.4	4.8	1.7	50 30	30	30	30	30	30
2,2-Dichloropropane	12.0 0.4	-6.6	-8.7	-6.4	6.3	3.1	50 30	30	30	30	30	30
Propionitrile	-12.6 1.9	-4.9	0.4	7.1	5.4	2.6	50 30	30	30	30	30	30
Methacrylonitrile	1.3 -1.7	-5.6	-4.0	3.4	4.4	2.1	50 30	30	30	30	30	30
Bromochloromethane	4.6 3.0	-7.3	-5.9	-4.0	6.0	3.6	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.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

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	-9.1 2.4	-5.9	-2.0	3.5	5.7	5.5	50 30	30	30	30	30	30
Chloroform	16.2 -2.3	-3.8	-8.9	-5.6	3.6	0.9	50 30	30	30	30	30	30
1,1,1-Trichloroethane	9.1 0.4	-5.4	-7.1	-5.5	5.3	3.2	50 30	30	30	30	30	30
Cyclohexane	5.0 2.6	-6.0	-9.8	-4.8	7.6	5.4	50 30	30	30	30	30	30
Carbon tetrachloride	8.2 2.5	-7.2	-8.2	-6.4	6.3	4.9	50 30	30	30	30	30	30
1,1-Dichloropropene	11.7 1.2	-8.8	-8.3	-5.0	5.7	3.5	50 30	30	30	30	30	30
Isobutyl alcohol	-1.4 9.3	-4.6	-15.4	-2.1	11.1	3.1	50 30	30	30	30	30	30
Benzene	8.8 0.7	-6.7	-7.4	-4.6	5.9	3.3	50 30	30	30	30	30	30
1,2-Dichloroethane	6.4 -0.1	-4.6	-6.0	-2.7	5.0	2.0	50 30	30	30	30	30	30
t-Amyl methyl ether	6.1 1.8	-8.3	-7.2	-1.8	5.4	4.1	50 30	30	30	30	30	30
n-Heptane	14.5 0.9	-6.4	-10.1	-7.6	4.7	4.0	50 30	30	30	30	30	30
n-Butanol	-22.6 14.5	-26.4	-6.9	7.4	18.7	15.2	50 30	30	30	30	30	30
Trichloroethene	10.2 0.7	-8.0	-9.1	-4.8	6.9	4.1	50 30	30	30	30	30	30
Methylcyclohexane	3.2 4.3	-8.7	-11.7	-3.8	9.4	7.3	50 30	30	30	30	30	30
1,2-Dichloropropane	6.9 2.5	-9.4	-5.7	-4.6	5.9	4.3	50 30	30	30	30	30	30
Methyl methacrylate	-5.9 5.8	-13.5	-0.8	0.2	5.0	9.3	50 30	30	30	30	30	30
1,4-Dioxane	+++++ 1.0	+++++	-24.8	4.5	12.6	6.7	 30		50	30	30	30
Dibromomethane	3.1 4.2	-8.3	-7.3	-1.8	5.9	4.3	50 30	30	30	30	30	30
Bromodichloromethane	3.7 5.4	-10.2	-7.4	-3.5	6.4	5.6	50 30	30	30	30	30	30
2-Nitropropane	18.6 -1.9	-7.3	-14.4	1.9	1.8	1.3	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.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1-Bromo-2-chloroethane	-1.5 4.6	-12.2	-1.1	-3.0	8.2	5.1	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	1.7 8.0	-11.9	-9.6	-3.2	7.9	7.2	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	0.0 -0.6	-6.6	-5.2	3.3	5.4	3.7	50 30	30	30	30	30	30
Toluene	9.9 0.3	-7.3	-6.5	-5.2	5.3	3.5	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-4.9 10.1	-13.3	-7.6	-3.0	10.2	8.5	50 30	30	30	30	30	30
Ethyl methacrylate	-19.1 15.3	-13.2	-11.9	0.6	13.1	15.2	50 30	30	30	30	30	30
1,1,2-Trichloroethane	1.2 2.2	-7.1	-3.8	-2.2	6.1	3.7	50 30	30	30	30	30	30
Tetrachloroethene	6.7 1.5	-7.6	-6.3	-5.4	6.8	4.3	50 30	30	30	30	30	30
1,3-Dichloropropane	6.8 0.8	-7.6	-5.9	-1.7	5.6	2.0	50 30	30	30	30	30	30
2-Hexanone	-21.1 8.2	-12.8	-6.0	7.7	12.5	11.4	50 30	30	30	30	30	30
Dibromochloromethane	-1.1 7.9	-10.7	-6.8	-3.8	7.5	6.9	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-3.0 6.6	-11.6	-5.2	-1.7	7.8	7.1	50 30	30	30	30	30	30
1-Chlorohexane	23.0 -2.2	-3.3	-10.3	-8.3	1.3	-0.3	50 30	30	30	30	30	30
Chlorobenzene	6.5 1.9	-7.1	-6.1	-3.5	5.7	2.6	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	0.8 6.3	-11.2	-5.6	-3.6	7.3	6.0	50 30	30	30	30	30	30
Ethylbenzene	5.0 2.9	-7.2	-7.9	-4.5	7.1	4.6	50 30	30	30	30	30	30
m&p-Xylene	4.5 4.4	-8.8	-7.7	-4.9	7.3	5.2	50 30	30	30	30	30	30
o-Xylene	6.9 3.8	-10.6	-9.0	-3.9	7.5	5.4	50 30	30	30	30	30	30
Styrene	-2.7 10.2	-12.2	-10.8	-3.9	10.1	9.4	50 30	30	30	30	30	30
Bromoform	-0.8 11.6	-10.4	-9.6	-5.9	6.8	8.2	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.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

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
Isopropylbenzene	6.0 2.3	-6.9	-7.9	-5.5	7.2	4.8	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-0.8 1.2	-6.0	-5.9	0.3	6.8	4.5	50 30	30	30	30	30	30
Bromobenzene	6.6 -0.1	-6.8	-5.2	-2.5	4.9	3.0	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-2.7 5.1	-10.3	-7.8	2.3	7.0	6.4	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-5.3 1.1	-5.8	-2.6	1.0	6.1	5.5	50 30	30	30	30	30	30
N-Propylbenzene	8.8 -1.3	-8.2	-7.0	-3.0	7.1	3.7	50 30	30	30	30	30	30
2-Chlorotoluene	4.5 0.0	-6.0	-4.9	-2.6	5.3	3.7	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	4.8 1.4	-7.7	-7.1	-4.1	7.6	5.2	50 30	30	30	30	30	30
4-Chlorotoluene	7.2 2.1	-10.4	-5.5	-3.3	5.8	4.1	50 30	30	30	30	30	30
tert-Butylbenzene	2.8 2.6	-6.0	-10.7	-3.6	8.0	6.8	50 30	30	30	30	30	30
Pentachloroethane	-9.6 9.4	-12.6	-2.1	-6.7	10.4	11.3	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	3.7 2.6	-10.9	-6.1	-2.2	7.5	5.5	50 30	30	30	30	30	30
sec-Butylbenzene	6.3 -0.7	-7.2	-5.6	-3.9	7.1	4.1	50 30	30	30	30	30	30
1,3-Dichlorobenzene	5.9 1.5	-7.6	-7.4	-3.5	6.8	4.3	50 30	30	30	30	30	30
p-Isopropyltoluene	3.5 1.4	-7.0	-7.3	-4.1	7.2	6.4	50 30	30	30	30	30	30
1,4-Dichlorobenzene	5.1 -0.1	-6.4	-4.3	-2.3	5.8	2.3	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	8.6 0.4	-7.4	-5.6	-3.1	4.0	3.1	50 30	30	30	30	30	30
Benzyl chloride	-10.5 15.8	-18.6	-13.1	-0.8	12.5	14.7	50 30	30	30	30	30	30
n-Butylbenzene	2.0 4.0	-9.7	-7.3	-4.3	8.1	7.3	50 30	30	30	30	30	30
1,2-Dichlorobenzene	6.9 1.1	-8.6	-6.8	-1.9	5.7	3.7	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474835

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 02:41 Calibration End Date: 02/20/2024 04:53 Calibration ID: 59046

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,2-Dibromo-3-Chloropropane	-32.6 10.7	-6.5	-5.5	3.7	16.5	13.6	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	4.5 0.1	-8.3	-5.8	-3.2	7.4	5.2	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	0.0 2.4	-9.8	-5.2	-2.3	8.0	6.8	50 30	30	30	30	30	30
Hexachlorobutadiene	3.8 -0.4	-5.8	-6.1	-3.1	7.7	3.9	50 30	30	30	30	30	30
Naphthalene	-1.2 2.0	-11.6	-6.8	-0.6	9.7	8.5	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-0.5 1.1	-8.3	-4.9	-2.0	7.8	6.8	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.4 1.2	0.1	-0.5	-0.2	-0.4	0.2	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	0.6 0.5	0.7	-0.4	-0.3	-0.2	-1.0	50 30	30	30	30	30	30
Toluene-d8 (Surr)	0.2 0.2	-0.2	0.2	-0.4	0.0	0.0	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-1.8 1.0	-0.3	0.2	-0.8	1.0	0.7	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X12.D
Lims ID: IC std1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 20-Feb-2024 02:41:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106710-013
Misc. Info.: IC STD1
Operator ID: gaw91131 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Feb-2024 13:07:35 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 26-Feb-2024 10:22:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.849	0.000	98	15350	0.2000	0.2340	
5 Chloromethane	50	2.032	2.038	-0.006	99	14509	0.2000	0.2337	
6 Vinyl chloride	62	2.142	2.142	0.000	89	14337	0.2000	0.2344	
7 Butadiene	39	2.142	2.154	-0.012	95	14447	0.2000	0.2420	
9 Bromomethane	94	2.446	2.453	-0.006	91	10602	0.2000	0.2241	
10 Chloroethane	64	2.520	2.532	-0.012	98	8452	0.2000	0.2339	
11 Dichlorofluoromethane	67	2.745	2.745	0.000	97	25796	0.2000	0.2474	M
12 Trichlorofluoromethane	101	2.818	2.812	0.006	93	19615	0.2000	0.2335	
13 Ethyl ether	59	3.044	3.044	0.000	91	5600	0.2000	0.2021	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.129	3.123	0.006	88	13357	0.2000	0.2345	M
17 Acrolein	56	3.202	3.202	0.000	99	34038	10.0	9.78	
18 1,1-Dichloroethene	96	3.318	3.324	-0.006	98	9230	0.2000	0.2202	
19 Acetone	43	3.367	3.361	0.006	84	12288	2.00	2.44	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.361	3.367	-0.006	90	9057	0.2000	0.2096	
22 Iodomethane	142	3.501	3.501	0.000	100	18599	0.2000	0.2143	
21 Isopropyl alcohol	45	3.550	3.525	0.025	34	3102	4.00	3.65	
23 Ethyl bromide	108	3.538	3.532	0.006	97	7979	0.2000	0.2081	
24 Carbon disulfide	76	3.599	3.599	0.000	99	31987	0.2000	0.2240	
25 Methyl acetate	43	3.745	3.751	-0.006	24	4004	0.2000	0.2778	
27 3-Chloro-1-propene	41	3.763	3.769	-0.006	86	16107	0.2000	0.2323	
29 Methylene Chloride	84	3.946	3.940	0.006	88	10071	0.2000	0.2203	
* 30 t-Butyl alcohol-d10 (IS)	65	3.970	3.964	0.006	95	91478	50.0	50.0	
31 2-Methyl-2-propanol	59	4.074	4.080	-0.006	90	8666	4.00	4.84	
32 Acrylonitrile	53	4.269	4.269	0.000	26	2240	0.5000	0.3673	
33 Methyl tert-butyl ether	73	4.318	4.324	-0.006	94	21634	0.2000	0.2151	
34 trans-1,2-Dichloroethene	96	4.318	4.330	-0.012	72	11252	0.2000	0.2235	M
35 Hexane	57	4.763	4.763	0.000	93	12281	0.2000	0.2172	
37 1,1-Dichloroethane	63	4.995	4.989	0.006	60	18413	0.2000	0.2180	
38 Isopropyl ether	45	5.056	5.056	0.000	94	29367	0.2000	0.2086	
39 2-Chloro-1,3-butadiene	53	5.092	5.104	-0.012	92	15392	0.2000	0.2136	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.592	5.598	-0.006	97	27866	0.2000	0.2128	
41 2-Butanone (MEK)	43	5.824	5.812	0.012	80	16632	2.00	2.10	
42 cis-1,2-Dichloroethene	96	5.830	5.830	0.000	80	12740	0.2000	0.2263	
43 2,2-Dichloropropane	77	5.842	5.842	0.000	71	17586	0.2000	0.2239	
45 Propionitrile	54	5.921	5.897	0.024	94	7818	4.00	3.50	
48 Methacrylonitrile	67	6.116	6.110	0.006	87	17117	2.00	2.03	
S 47 1,2-Dichloroethene, Total	100				0			0.4498	
49 Chlorobromomethane	128	6.165	6.165	0.000	76	4587	0.2000	0.2093	
50 Tetrahydrofuran	71	6.196	6.190	0.006	81	2051	1.00	0.9087	
51 Chloroform	83	6.311	6.318	-0.007	93	21631	0.2000	0.2324	
$ 52 Dibromofluoromethane (Surr)	113	6.531	6.537	-0.006	93	491093	10.0	9.96	
53 1,1,1-Trichloroethane	97	6.543	6.543	0.000	37	17930	0.2000	0.2181	
54 Cyclohexane	56	6.635	6.635	0.000	89	14973	0.2000	0.2100	
55 Carbon tetrachloride	117	6.750	6.757	-0.007	93	15635	0.2000	0.2165	
56 1,1-Dichloropropene	75	6.763	6.757	0.006	92	14862	0.2000	0.2234	
58 Isobutyl alcohol	41	6.964	6.939	0.025	29	5380	10.0	9.86	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.988	6.988	0.000	65	89853	10.0	10.1	
60 Benzene	78	7.019	7.019	0.000	95	43377	0.2000	0.2175	
61 1,2-Dichloroethane	62	7.086	7.092	-0.006	95	10825	0.2000	0.2127	
63 Tert-amyl methyl ether	73	7.220	7.226	-0.006	98	23733	0.2000	0.2121	
* 64 Fluorobenzene (IS)	96	7.427	7.427	0.000	99	2065535	10.0	10.0	
65 n-Heptane	43	7.451	7.452	-0.001	90	13484	0.2000	0.2290	
67 n-Butanol	56	7.884	7.836	0.048	78	5475	17.5	13.5	
68 Trichloroethene	95	7.909	7.915	-0.006	96	12220	0.2000	0.2203	
69 Methylcyclohexane	83	8.207	8.220	-0.013	90	16122	0.2000	0.2064	
70 1,2-Dichloropropane	63	8.244	8.244	0.000	89	10000	0.2000	0.2138	
71 2-ethoxy-2-methyl butane	87	8.256	8.262	-0.006	90	16352	0.2000	0.2048	
72 Methyl methacrylate	69	8.348	8.348	0.000	31	2972	0.2000	0.1881	M
73 1,4-Dioxane	88	8.366	8.354	0.012	1	440	10.0	3.29	M
74 Dibromomethane	93	8.354	8.354	0.000	91	4575	0.2000	0.2062	
76 Dichlorobromomethane	83	8.598	8.592	0.006	98	12628	0.2000	0.2074	
77 2-Nitropropane	41	8.878	8.872	0.006	96	6700	1.00	1.19	
79 1-Bromo-2-chloroethane	63	8.982	8.988	-0.006	92	7839	0.2000	0.1969	
81 cis-1,3-Dichloropropene	75	9.165	9.159	0.006	93	14112	0.2000	0.2034	
82 4-Methyl-2-pentanone (MIBK)	43	9.354	9.354	0.000	96	39769	2.00	2.00	
$ 83 Toluene-d8 (Surr)	98	9.475	9.482	-0.007	94	2007464	10.0	10.0	
84 Toluene	92	9.555	9.555	0.000	99	29471	0.2000	0.2197	
85 trans-1,3-Dichloropropene	75	9.835	9.829	0.006	92	10433	0.2000	0.1901	
86 Ethyl methacrylate	69	9.908	9.902	0.006	87	5926	0.2000	0.1618	
107 1,1,2-Trichloroethane	97	10.042	10.036	0.006	92	6165	0.2000	0.2023	
S 106 1,3-Dichloropropene, Total	100				0			0.3936	
108 Tetrachloroethene	166	10.128	10.128	0.000	96	13633	0.2000	0.2135	
109 1,3-Dichloropropane	76	10.207	10.201	0.006	91	11066	0.2000	0.2137	
110 2-Hexanone	43	10.280	10.268	0.012	95	19476	2.00	1.58	
112 Chlorodibromomethane	129	10.427	10.420	0.006	90	8083	0.2000	0.1978	
113 Ethylene Dibromide	107	10.542	10.530	0.012	98	5597	0.2000	0.1940	
* 114 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	85	1545342	10.0	10.0	
115 1-Chlorohexane	91	10.987	10.987	0.000	95	18439	0.2000	0.2461	
116 Chlorobenzene	112	11.006	11.000	0.006	94	32406	0.2000	0.2131	
117 1,1,1,2-Tetrachloroethane	131	11.085	11.085	0.000	90	10941	0.2000	0.2016	
118 Ethylbenzene	91	11.091	11.091	0.000	98	55876	0.2000	0.2099	
120 m-Xylene & p-Xylene	106	11.213	11.207	0.006	100	43770	0.4000	0.4180	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 119 Xylenes, Total	106				0			0.6318	
121 o-Xylene	106	11.542	11.542	0.000	96	22176	0.2000	0.2138	
122 Styrene	104	11.567	11.560	0.007	94	31475	0.2000	0.1945	
123 Bromoform	173	11.719	11.713	0.006	88	4776	0.2000	0.1985	
124 Isopropylbenzene	105	11.847	11.847	0.000	96	53763	0.2000	0.2119	
$ 127 4-Bromofluorobenzene (Surr)	95	11.993	11.987	0.006	94	721332	10.0	9.82	
128 1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	93	6898	0.2000	0.1983	a
129 Bromobenzene	156	12.109	12.103	0.006	90	13914	0.2000	0.2133	
130 trans-1,4-Dichloro-2-butene	53	12.127	12.121	0.006	93	17901	2.00	1.95	
131 1,2,3-Trichloropropane	110	12.146	12.140	0.006	81	1863	0.2000	0.1893	
132 N-Propylbenzene	91	12.182	12.182	0.000	99	67859	0.2000	0.2175	
133 2-Chlorotoluene	126	12.255	12.255	0.000	97	14015	0.2000	0.2091	
134 1,3,5-Trimethylbenzene	105	12.316	12.316	0.000	94	48313	0.2000	0.2097	
135 4-Chlorotoluene	126	12.353	12.347	0.006	96	14832	0.2000	0.2143	
136 tert-Butylbenzene	134	12.560	12.560	0.000	92	10886	0.2000	0.2057	
137 Pentachloroethane	167	12.591	12.591	0.000	78	7001	0.2000	0.1808	
138 1,2,4-Trimethylbenzene	105	12.603	12.603	0.000	97	49331	0.2000	0.2075	
139 sec-Butylbenzene	105	12.725	12.725	0.000	94	62897	0.2000	0.2126	
140 1,3-Dichlorobenzene	146	12.822	12.822	0.000	98	28881	0.2000	0.2119	
141 4-Isopropyltoluene	119	12.835	12.835	0.000	97	54352	0.2000	0.2069	
* 142 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	95	863287	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.896	12.896	0.000	96	29142	0.2000	0.2102	
144 1,2,3-Trimethylbenzene	120	12.908	12.908	0.000	96	23198	0.2000	0.2171	
145 Benzyl chloride	126	12.981	12.975	0.006	98	2708	0.2000	0.1791	
146 p-Diethylbenzene	119	13.036	13.036	0.000	91	31596	0.2000	0.2045	
147 n-Butylbenzene	92	13.127	13.127	0.000	98	26644	0.2000	0.2040	
148 1,2-Dichlorobenzene	146	13.158	13.158	0.000	98	25571	0.2000	0.2137	
150 1,2-Dibromo-3-Chloropropane	155	13.706	13.700	0.006	83	645	0.2000	0.1348	
151 1,3,5-Trichlorobenzene	180	13.828	13.822	0.006	97	22927	0.2000	0.2091	
152 1,2,4-Trichlorobenzene	180	14.255	14.249	0.006	92	16681	0.2000	0.2000	
153 Hexachlorobutadiene	225	14.328	14.328	0.000	97	9931	0.2000	0.2076	
154 Naphthalene	128	14.438	14.426	0.012	97	20983	0.2000	0.1975	
155 1,2,3-Trichlorobenzene	180	14.578	14.572	0.006	95	12276	0.2000	0.1990	
156 2-Methylnaphthalene	142	15.194	15.176	0.018	95	6226	0.2000	0.1759	
167 Pentane	43	2.837	2.843	-0.006	92	16861	NR	NR	

QC Flag Legend

Processing Flags
- NR - Missing Quant Standard

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Reagents:

MSV_LL_#1_826_00117	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00194	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00127	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00084	Amount Added:	1.00	Units: uL	Run Reagent

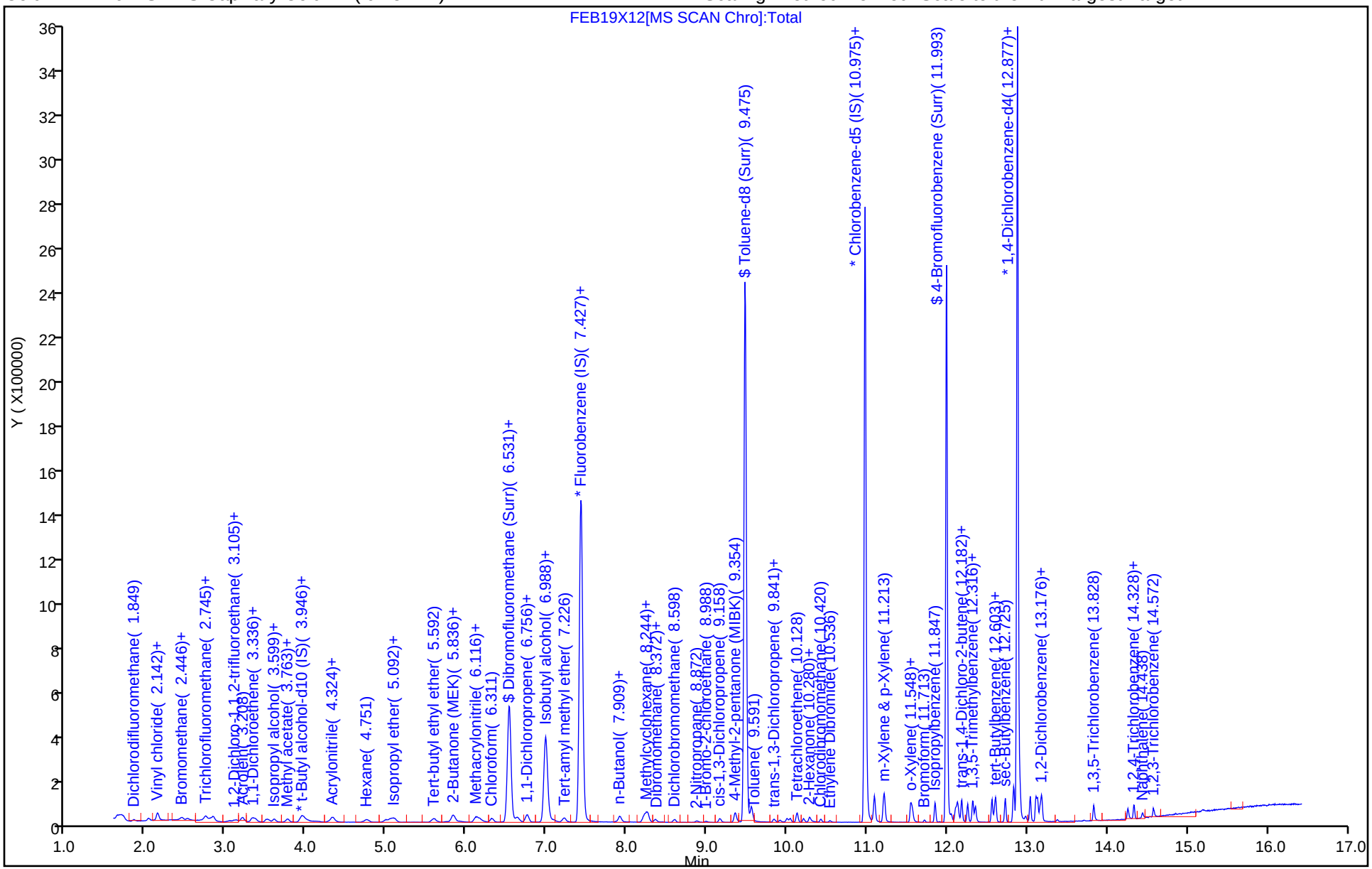
Report Date: 26-Feb-2024 13:07:36 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X12.D

Injection Date:	20-Feb-2024 02:41:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	IC std1			Worklist Smp#:	13
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

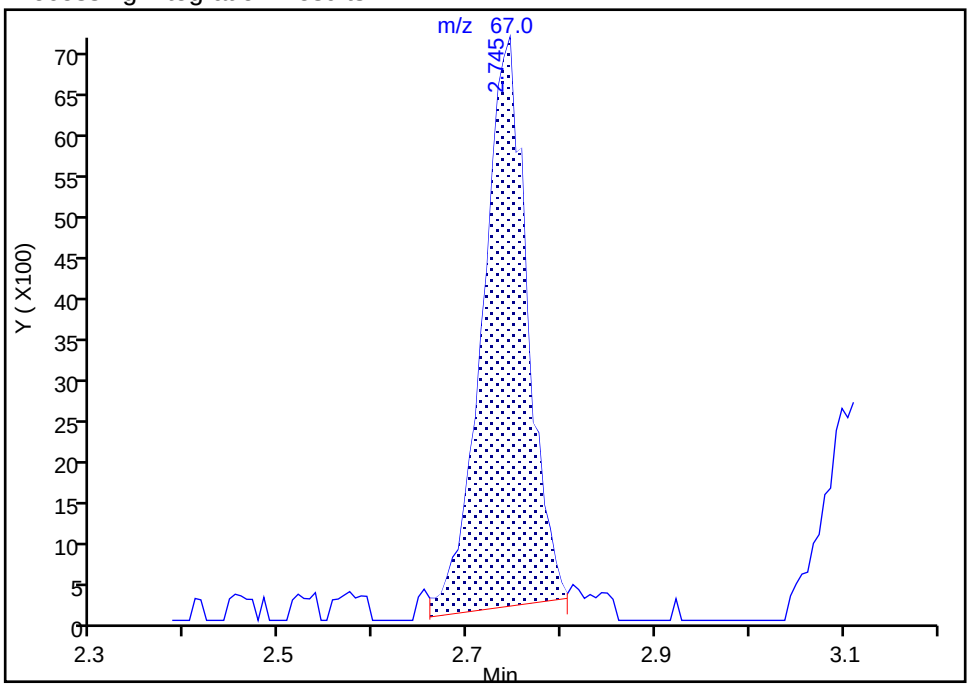
Data File:	\\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X12.D				
Injection Date:	20-Feb-2024 02:41:30	Instrument ID:	16334		
Lims ID:	IC std1				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

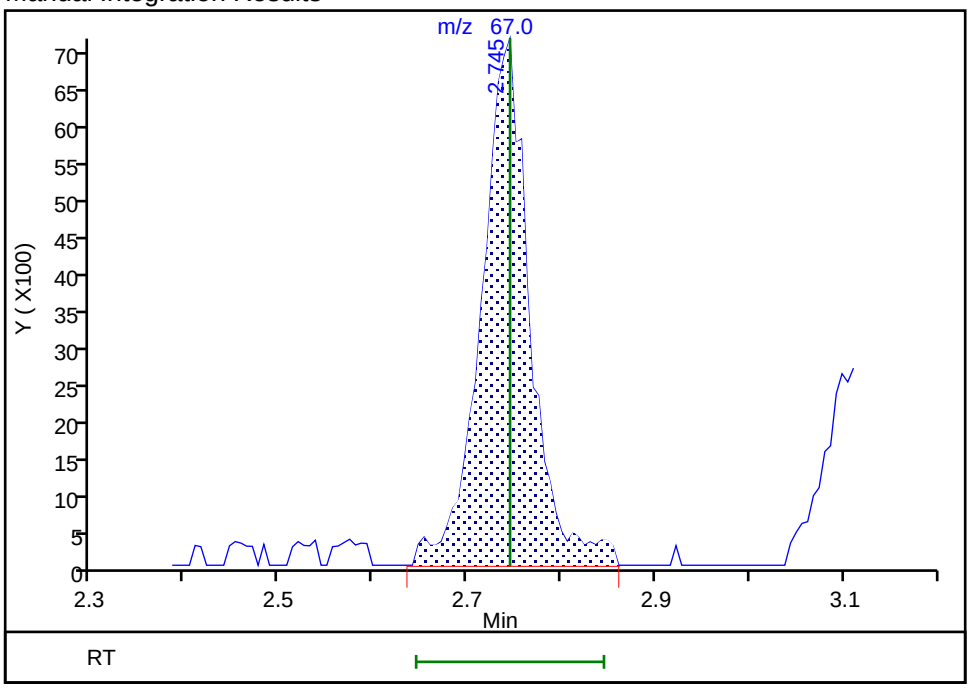
Processing Integration Results

RT: 2.75
Area: 23145
Amount: 0.226092
Amount Units: ug/l



Manual Integration Results

RT: 2.75
Area: 25796
Amount: 0.247356
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:21:37 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

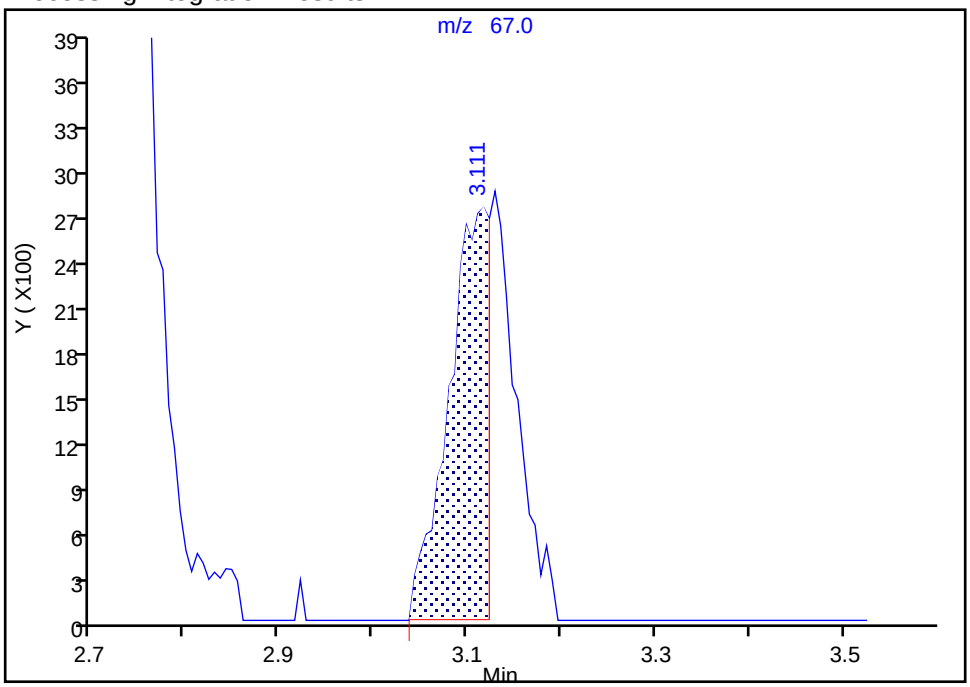
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X12.D
Injection Date: 20-Feb-2024 02:41:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

16 1,2-Dichloro-1,1,2-trifluoroetha, CAS: 354-23-4

Signal: 1

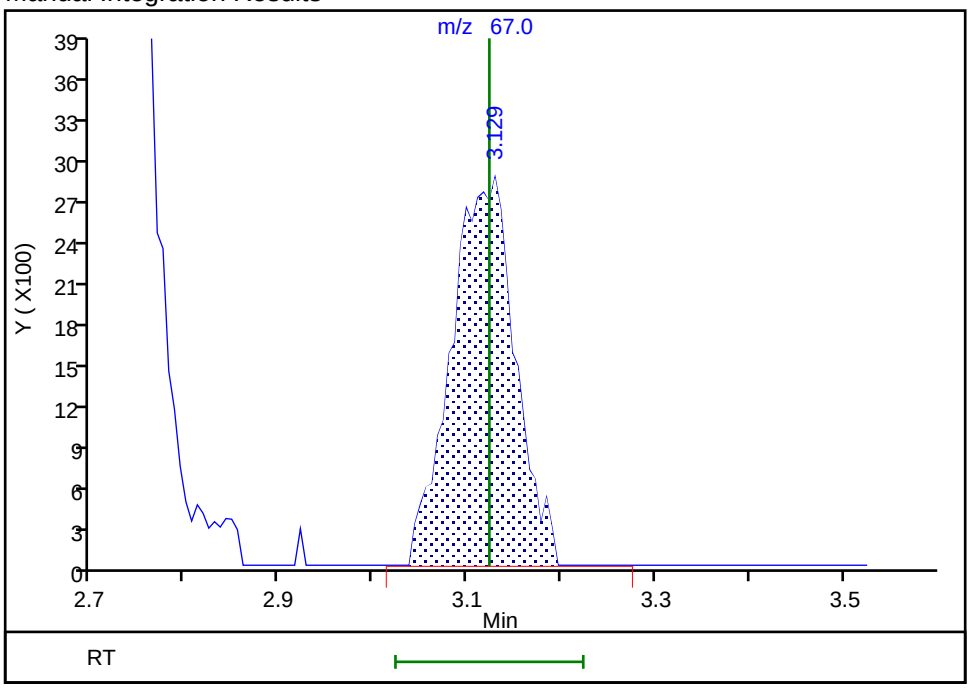
Processing Integration Results

RT: 3.11
Area: 8242
Amount: 0.154623
Amount Units: ug/l



Manual Integration Results

RT: 3.13
Area: 13357
Amount: 0.234511
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:21:42 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

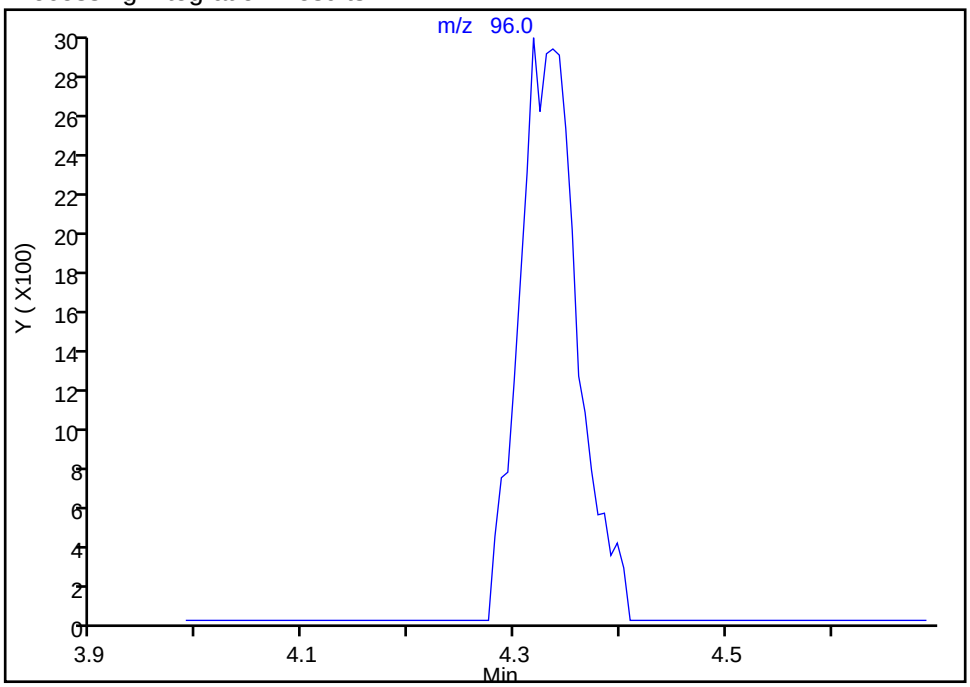
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X12.D
Injection Date: 20-Feb-2024 02:41:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

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

Signal: 1

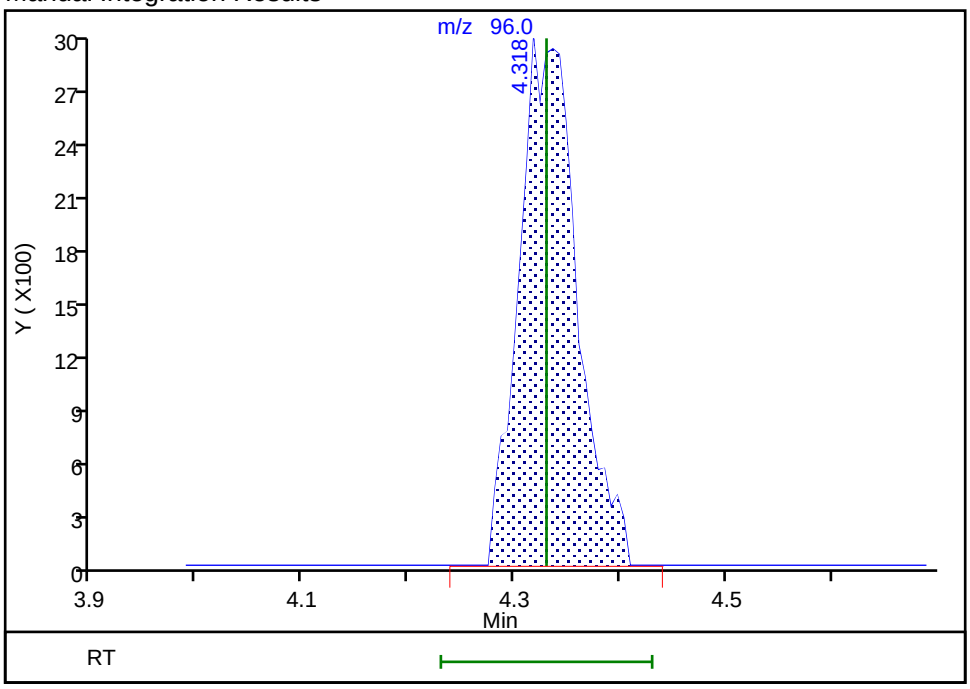
Not Detected
Expected RT: 4.33

Processing Integration Results



Manual Integration Results

RT: 4.32
Area: 11252
Amount: 0.223516
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:21:51 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

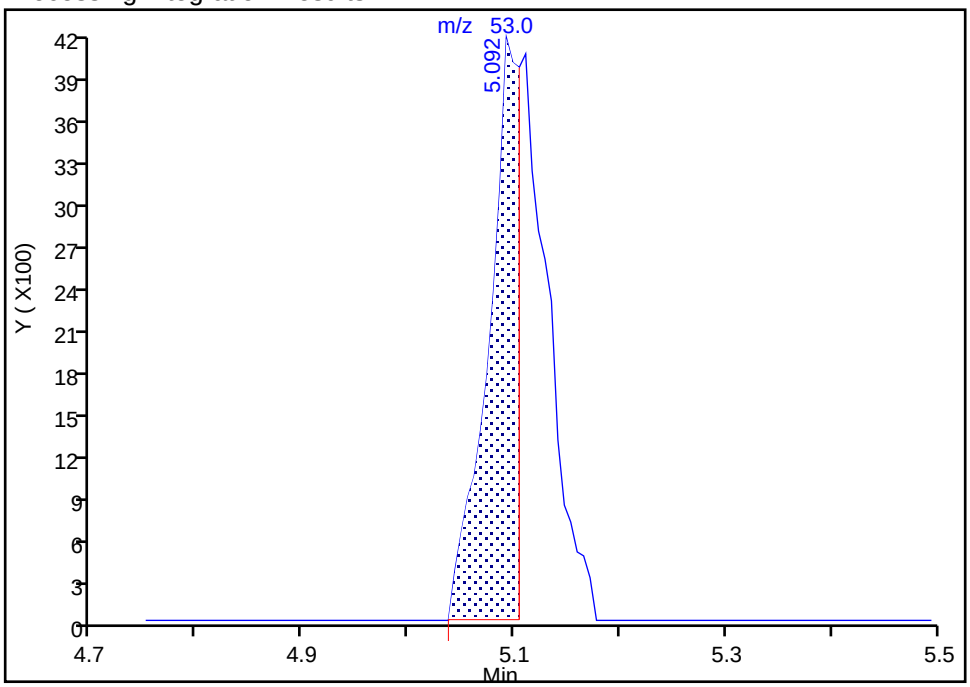
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X12.D
Injection Date: 20-Feb-2024 02:41:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

39 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

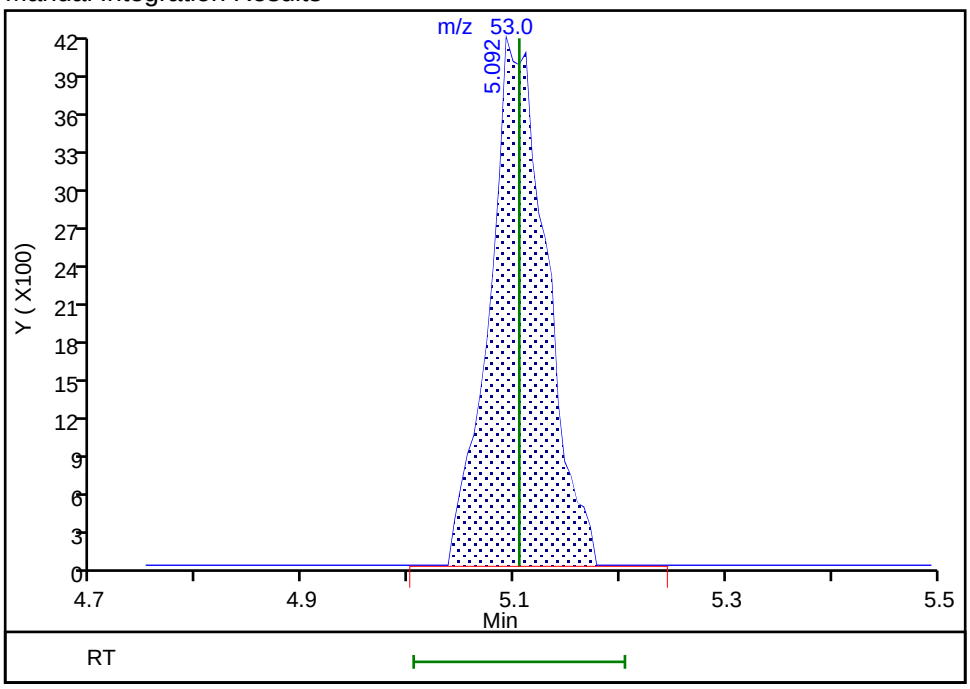
Processing Integration Results

RT: 5.09
Area: 8525
Amount: 0.126965
Amount Units: ug/l



Manual Integration Results

RT: 5.09
Area: 15392
Amount: 0.213631
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:21:58 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

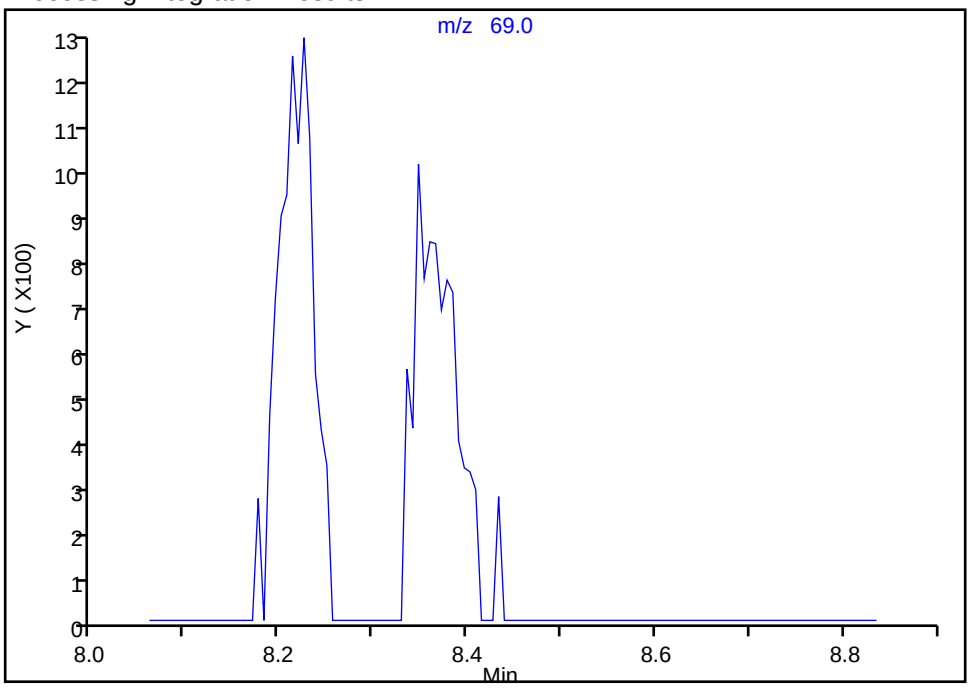
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X12.D
Injection Date: 20-Feb-2024 02:41:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

72 Methyl methacrylate, CAS: 80-62-6

Signal: 1

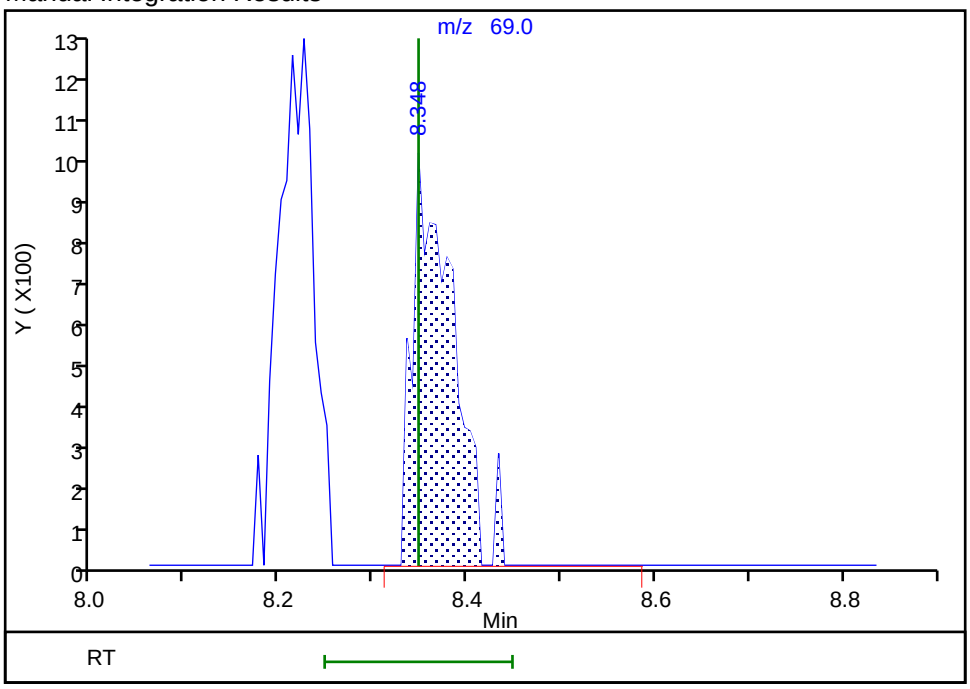
Not Detected
Expected RT: 8.35

Processing Integration Results



Manual Integration Results

RT: 8.35
Area: 2972
Amount: 0.188146
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:22:12 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

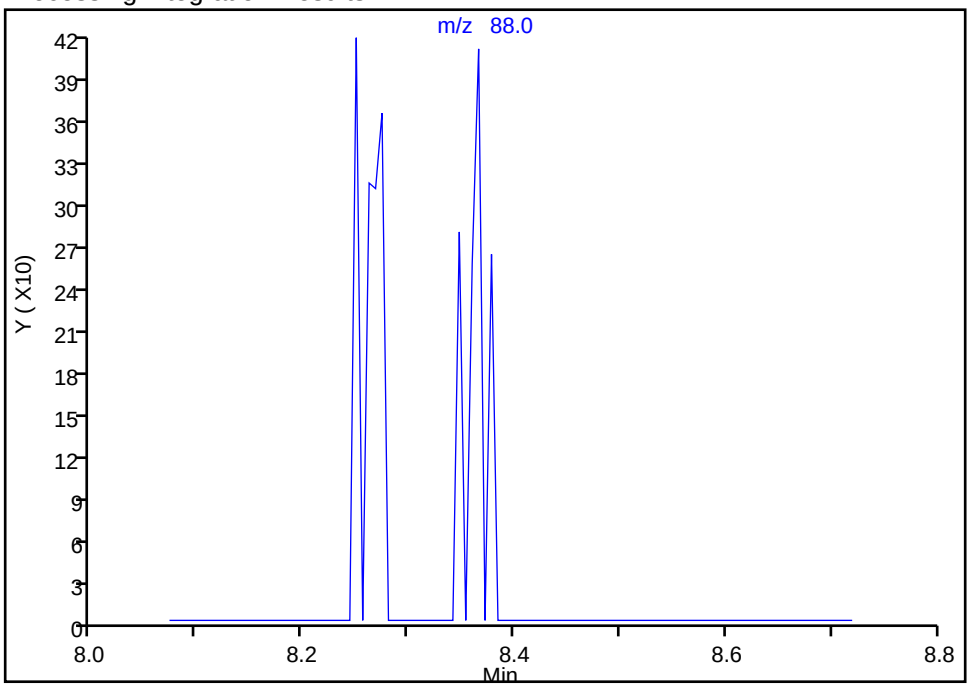
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X12.D
Injection Date: 20-Feb-2024 02:41:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

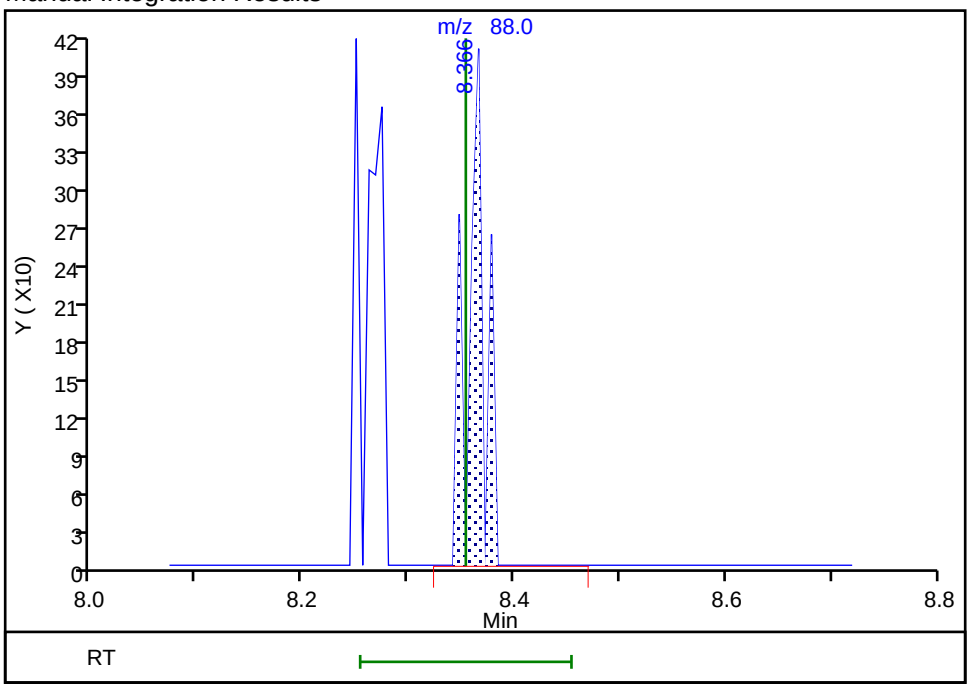
Not Detected
Expected RT: 8.35

Processing Integration Results



Manual Integration Results

RT: 8.37
Area: 440
Amount: 3.293421
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:22:15 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

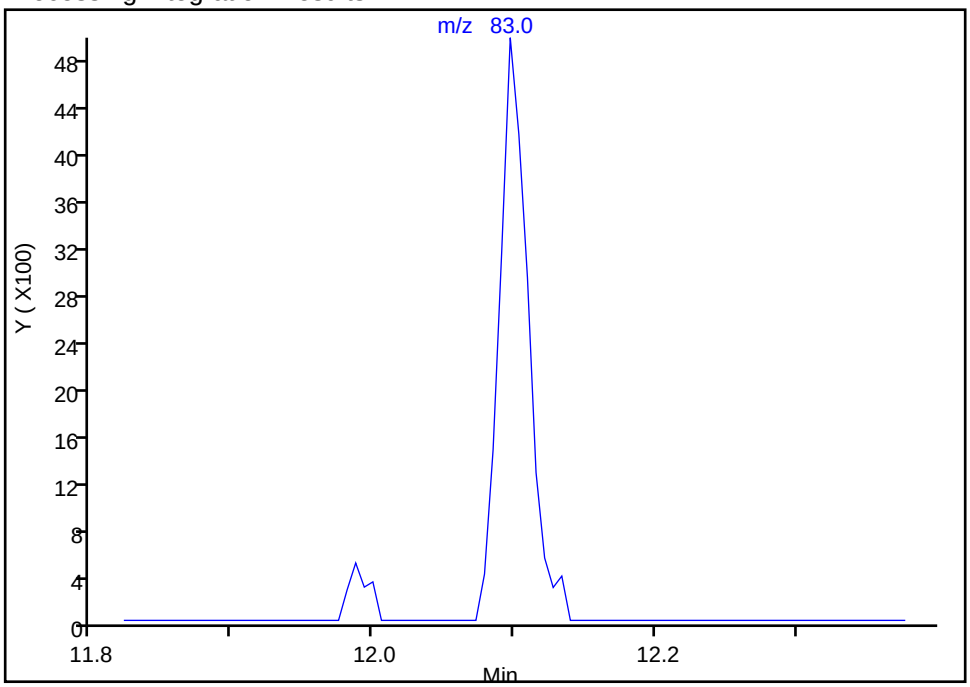
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X12.D
Injection Date: 20-Feb-2024 02:41:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

128 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

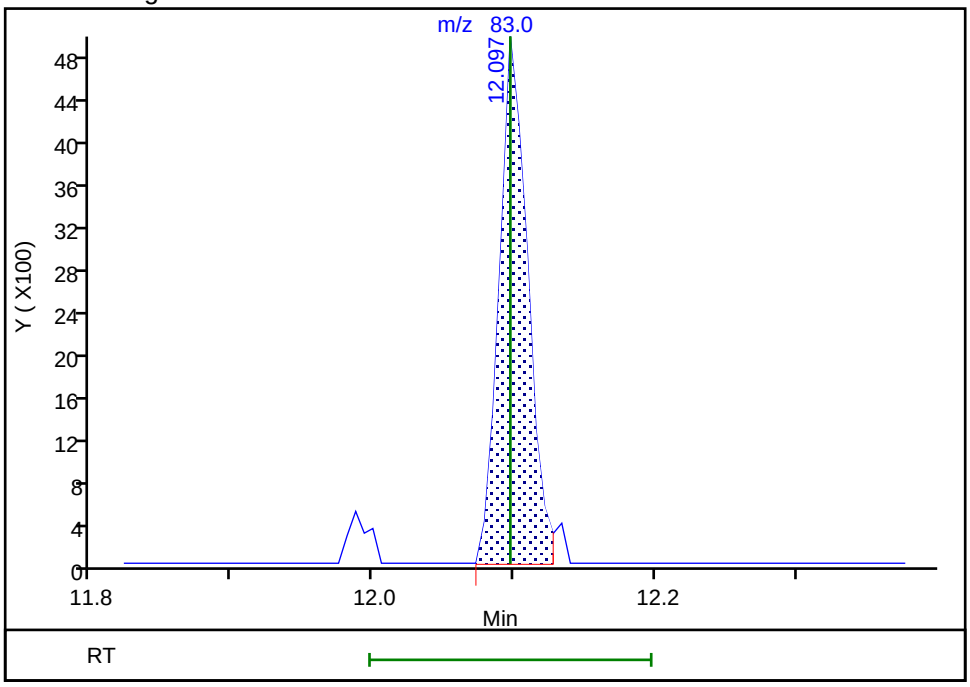
Not Detected
Expected RT: 12.10

Processing Integration Results



Manual Integration Results

RT: 12.10
Area: 6898
Amount: 0.198345
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:21:24 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X13.D
Lims ID: IC std2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 20-Feb-2024 03:03:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106710-014
Misc. Info.: IC STD2
Operator ID: gaw91131 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Feb-2024 13:07:42 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 26-Feb-2024 10:23:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.855	1.849	0.006	99	34805	0.5000	0.5059	
5 Chloromethane	50	2.038	2.038	0.000	99	32112	0.5000	0.4931	
6 Vinyl chloride	62	2.148	2.142	0.006	93	31914	0.5000	0.4974	
7 Butadiene	39	2.154	2.154	0.000	92	30693	0.5000	0.4902	
9 Bromomethane	94	2.447	2.453	-0.006	92	24093	0.5000	0.4854	
10 Chloroethane	64	2.538	2.532	0.006	99	18456	0.5000	0.4869	
11 Dichlorofluoromethane	67	2.751	2.745	0.006	97	52690	0.5000	0.4816	
12 Trichlorofluoromethane	101	2.812	2.812	0.000	96	43342	0.5000	0.4919	
13 Ethyl ether	59	3.050	3.044	0.006	91	13396	0.5001	0.4609	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.123	3.123	0.000	89	29291	0.5000	0.4902	
17 Acrolein	56	3.202	3.202	0.000	99	84153	25.0	22.8	
18 1,1-Dichloroethene	96	3.330	3.324	0.006	98	21579	0.5000	0.4907	
19 Acetone	43	3.373	3.361	0.012	94	26798	5.00	5.01	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.361	3.367	-0.006	91	21460	0.5000	0.4734	
22 Iodomethane	142	3.507	3.501	0.006	99	42265	0.5000	0.4641	
21 Isopropyl alcohol	45	3.544	3.525	0.019	35	8309	10.0	9.31	
23 Ethyl bromide	108	3.538	3.532	0.006	99	17891	0.5001	0.4448	
24 Carbon disulfide	76	3.605	3.599	0.006	100	69996	0.5000	0.4673	
25 Methyl acetate	43	3.769	3.751	0.018	27	7745	0.5000	0.5061	
27 3-Chloro-1-propene	41	3.769	3.769	0.000	89	33873	0.5000	0.4657	
29 Methylene Chloride	84	3.946	3.940	0.006	92	22292	0.5000	0.4649	
* 30 t-Butyl alcohol-d10 (IS)	65	3.971	3.964	0.007	95	97124	50.0	50.0	
31 2-Methyl-2-propanol	59	4.086	4.080	0.006	98	19937	10.0	10.5	
32 Acrylonitrile	53	4.269	4.269	0.000	85	7626	1.25	1.18	
33 Methyl tert-butyl ether	73	4.324	4.324	0.000	98	49825	0.5000	0.4721	
34 trans-1,2-Dichloroethene	96	4.336	4.330	0.006	97	25035	0.5000	0.4741	
35 Hexane	57	4.757	4.763	-0.006	93	27748	0.5000	0.4678	
37 1,1-Dichloroethane	63	4.989	4.989	0.000	96	41606	0.5000	0.4696	
38 Isopropyl ether	45	5.056	5.056	0.000	91	68493	0.5000	0.4638	
39 2-Chloro-1,3-butadiene	53	5.105	5.104	0.001	93	35398	0.5000	0.4683	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.598	5.598	0.000	97	64286	0.5000	0.4679	
41 2-Butanone (MEK)	43	5.830	5.812	0.018	84	40315	5.00	4.80	
42 cis-1,2-Dichloroethene	96	5.836	5.830	0.006	81	28031	0.5000	0.4745	
43 2,2-Dichloropropane	77	5.842	5.842	0.000	70	38458	0.5000	0.4668	
45 Propionitrile	54	5.915	5.897	0.018	85	22586	10.0	9.51	
48 Methacrylonitrile	67	6.123	6.110	0.013	90	42336	5.00	4.72	
S 47 1,2-Dichloroethene, Total	100				0			0.9486	
49 Chlorobromomethane	128	6.171	6.165	0.006	87	10657	0.5000	0.4635	
50 Tetrahydrofuran	71	6.196	6.190	0.006	89	5636	2.50	2.35	
51 Chloroform	83	6.324	6.318	0.006	94	46987	0.5000	0.4811	
$ 52 Dibromofluoromethane (Surr)	113	6.537	6.537	0.000	93	518018	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.543	6.543	0.000	79	40781	0.5000	0.4729	
54 Cyclohexane	56	6.641	6.635	0.006	90	35150	0.5000	0.4699	
55 Carbon tetrachloride	117	6.757	6.757	0.000	95	35153	0.5000	0.4640	
56 1,1-Dichloropropene	75	6.763	6.757	0.006	92	31816	0.5000	0.4559	
58 Isobutyl alcohol	41	6.964	6.939	0.025	84	13649	25.0	23.9	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.988	6.988	0.000	70	94352	10.0	10.1	
60 Benzene	78	7.025	7.019	0.006	97	97628	0.5000	0.4667	
61 1,2-Dichloroethane	62	7.092	7.092	0.000	98	25477	0.5000	0.4772	
63 Tert-amyl methyl ether	73	7.220	7.226	-0.006	97	53796	0.5000	0.4584	
* 64 Fluorobenzene (IS)	96	7.433	7.427	0.006	99	2166842	10.0	10.0	
65 n-Heptane	43	7.452	7.452	0.000	84	28899	0.5000	0.4678	
67 n-Butanol	56	7.866	7.836	0.030	87	13830	43.8	32.2	
68 Trichloroethene	95	7.915	7.915	0.000	97	26761	0.5000	0.4600	
69 Methylcyclohexane	83	8.220	8.220	0.000	90	37422	0.5000	0.4566	
70 1,2-Dichloropropane	63	8.244	8.244	0.000	91	22225	0.5000	0.4531	
71 2-ethoxy-2-methyl butane	87	8.269	8.262	0.007	93	37831	0.5000	0.4516	
72 Methyl methacrylate	69	8.348	8.348	0.000	78	7250	0.5000	0.4323	
73 1,4-Dioxane	88	8.366	8.354	0.012	39	2164	25.0	15.3	M
74 Dibromomethane	93	8.360	8.354	0.006	92	10675	0.5000	0.4586	
76 Dichlorobromomethane	83	8.598	8.592	0.006	98	28664	0.5000	0.4488	
77 2-Nitropropane	41	8.872	8.872	0.000	99	13909	2.50	2.32	
79 1-Bromo-2-chloroethane	63	8.994	8.988	0.006	97	18337	0.5000	0.4391	
81 cis-1,3-Dichloropropene	75	9.165	9.159	0.006	94	32050	0.5000	0.4404	
82 4-Methyl-2-pentanone (MIBK)	43	9.354	9.354	0.000	96	98514	5.00	4.67	
$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2097736	10.0	9.98	
84 Toluene	92	9.555	9.555	0.000	98	65223	0.5000	0.4637	
85 trans-1,3-Dichloropropene	75	9.835	9.829	0.006	94	24960	0.5000	0.4337	
86 Ethyl methacrylate	69	9.908	9.902	0.006	88	16666	0.5000	0.4340	
107 1,1,2-Trichloroethane	97	10.043	10.036	0.007	91	14838	0.5000	0.4643	
S 106 1,3-Dichloropropene, Total	100				0			0.8742	
108 Tetrachloroethene	166	10.128	10.128	0.000	97	30929	0.5000	0.4618	
109 1,3-Dichloropropane	76	10.207	10.201	0.006	91	25081	0.5000	0.4618	
110 2-Hexanone	43	10.280	10.268	0.012	97	57192	5.00	4.36	
112 Chlorodibromomethane	129	10.421	10.420	0.001	89	19141	0.5000	0.4467	
113 Ethylene Dibromide	107	10.536	10.530	0.006	96	13375	0.5000	0.4421	
* 114 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	85	1620593	10.0	10.0	
115 1-Chlorohexane	91	10.994	10.987	0.007	95	38011	0.5000	0.4837	
116 Chlorobenzene	112	11.000	11.000	0.000	98	74119	0.5000	0.4647	
117 1,1,1,2-Tetrachloroethane	131	11.085	11.085	0.000	94	25265	0.5000	0.4440	
118 Ethylbenzene	91	11.091	11.091	0.000	98	129523	0.5000	0.4641	
120 m-Xylene & p-Xylene	106	11.213	11.207	0.006	100	100102	1.00	0.9116	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 119 Xylenes, Total	106				0			1.36	
121 o-Xylene	106	11.542	11.542	0.000	97	48611	0.5000	0.4469	
122 Styrene	104	11.561	11.560	0.001	94	74503	0.5000	0.4390	
123 Bromoform	173	11.713	11.713	0.000	96	11311	0.5000	0.4482	
124 Isopropylbenzene	105	11.847	11.847	0.000	96	123843	0.5000	0.4656	
$ 127 4-Bromofluorobenzene (Surr)	95	11.993	11.987	0.006	95	767714	10.0	9.97	
128 1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	94	17246	0.5000	0.4700	
129 Bromobenzene	156	12.109	12.103	0.006	90	32081	0.5000	0.4660	
130 trans-1,4-Dichloro-2-butene	53	12.128	12.121	0.007	94	43846	5.00	4.49	
131 1,2,3-Trichloropropane	110	12.146	12.140	0.006	77	4889	0.5000	0.4709	
132 N-Propylbenzene	91	12.182	12.182	0.000	99	151056	0.5000	0.4590	
133 2-Chlorotoluene	126	12.256	12.255	0.001	97	33227	0.5000	0.4699	
134 1,3,5-Trimethylbenzene	105	12.317	12.316	0.001	93	112159	0.5000	0.4614	
135 4-Chlorotoluene	126	12.353	12.347	0.006	97	32713	0.5000	0.4481	
136 tert-Butylbenzene	134	12.560	12.560	0.000	93	26255	0.5000	0.4702	
137 Pentachloroethane	167	12.591	12.591	0.000	77	17847	0.5000	0.4368	
138 1,2,4-Trimethylbenzene	105	12.603	12.603	0.000	97	111711	0.5000	0.4453	
139 sec-Butylbenzene	105	12.725	12.725	0.000	94	144774	0.5000	0.4638	
140 1,3-Dichlorobenzene	146	12.823	12.822	0.001	99	66472	0.5000	0.4622	
141 4-Isopropyltoluene	119	12.835	12.835	0.000	97	128857	0.5000	0.4650	
* 142 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	95	910826	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.896	12.896	0.000	96	68449	0.5000	0.4679	
144 1,2,3-Trimethylbenzene	120	12.908	12.908	0.000	98	52224	0.5000	0.4632	
145 Benzyl chloride	126	12.981	12.975	0.006	99	6490	0.5000	0.4068	
146 p-Diethylbenzene	119	13.036	13.036	0.000	91	74695	0.5000	0.4583	
147 n-Butylbenzene	92	13.127	13.127	0.000	97	62205	0.5000	0.4514	
148 1,2-Dichlorobenzene	146	13.158	13.158	0.000	98	57669	0.5000	0.4568	
150 1,2-Dibromo-3-Chloropropane	155	13.707	13.700	0.006	84	2362	0.5000	0.4677	
151 1,3,5-Trichlorobenzene	180	13.828	13.822	0.006	97	53035	0.5000	0.4584	
152 1,2,4-Trichlorobenzene	180	14.255	14.249	0.006	94	39678	0.5000	0.4510	
153 Hexachlorobutadiene	225	14.334	14.328	0.006	97	23766	0.5000	0.4709	
154 Naphthalene	128	14.432	14.426	0.006	97	49521	0.5000	0.4419	
155 1,2,3-Trichlorobenzene	180	14.572	14.572	0.000	95	29839	0.5000	0.4584	
156 2-Methylnaphthalene	142	15.182	15.176	0.006	91	16229	0.5000	0.4345	
167 Pentane	43	2.849	2.843	0.006	97	28877	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00117	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00194	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00127	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00084	Amount Added:	1.00	Units: uL	Run Reagent

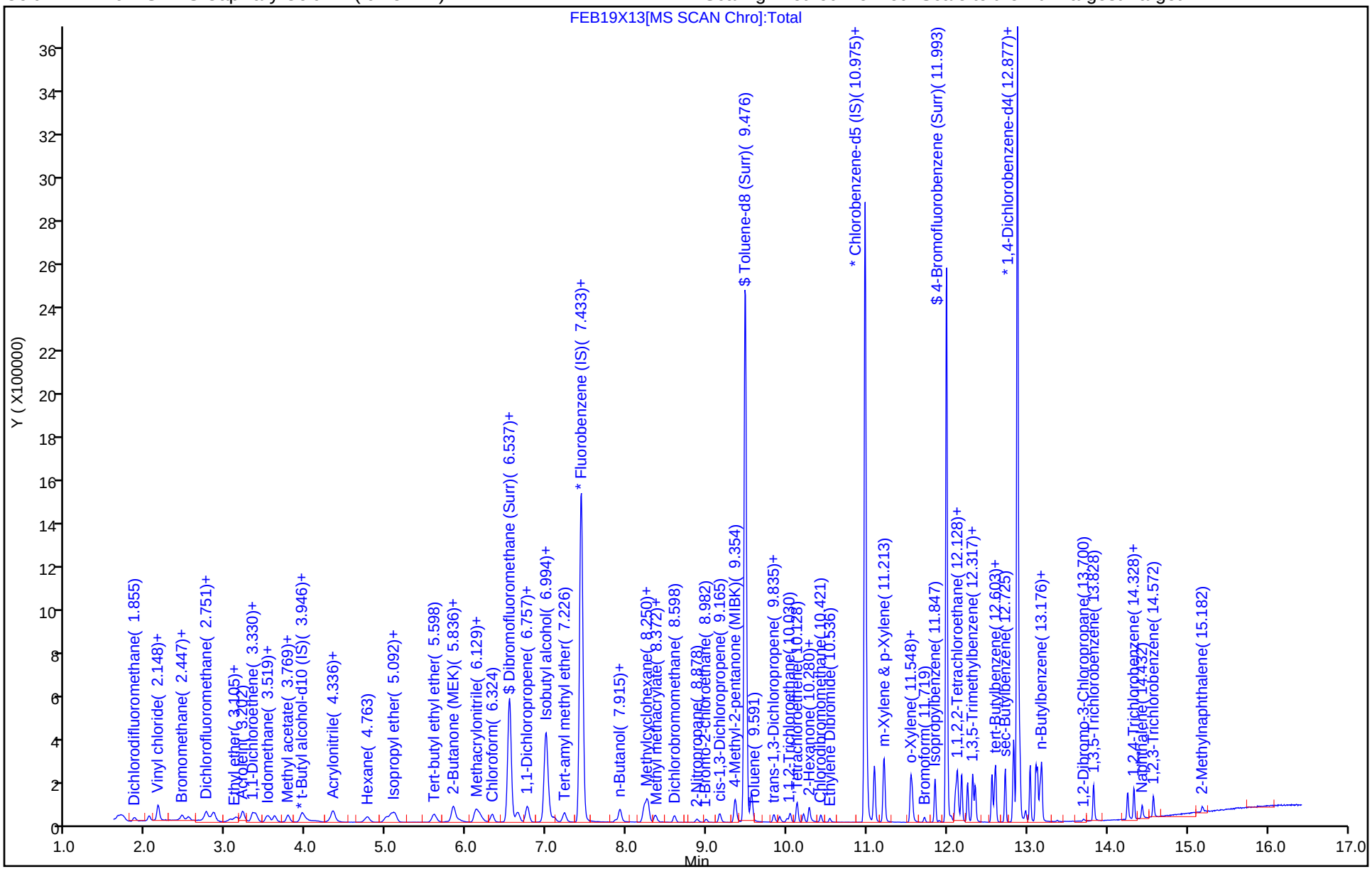
Report Date: 26-Feb-2024 13:07:42 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X13.D

Injection Date:	20-Feb-2024 03:03:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	IC std2			Worklist Smp#:	14
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

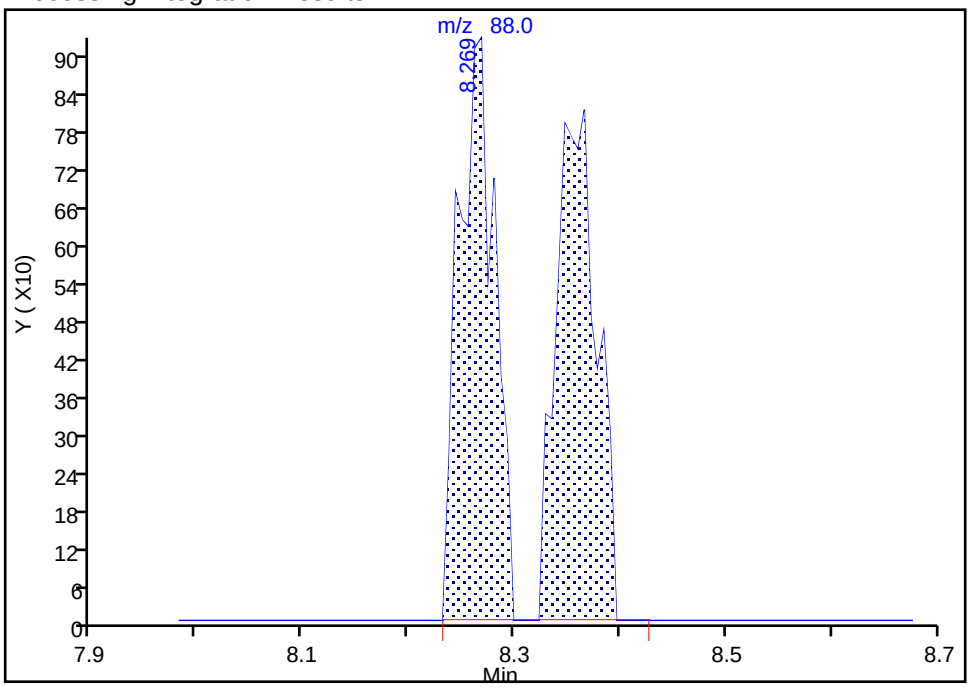
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X13.D
Injection Date: 20-Feb-2024 03:03:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

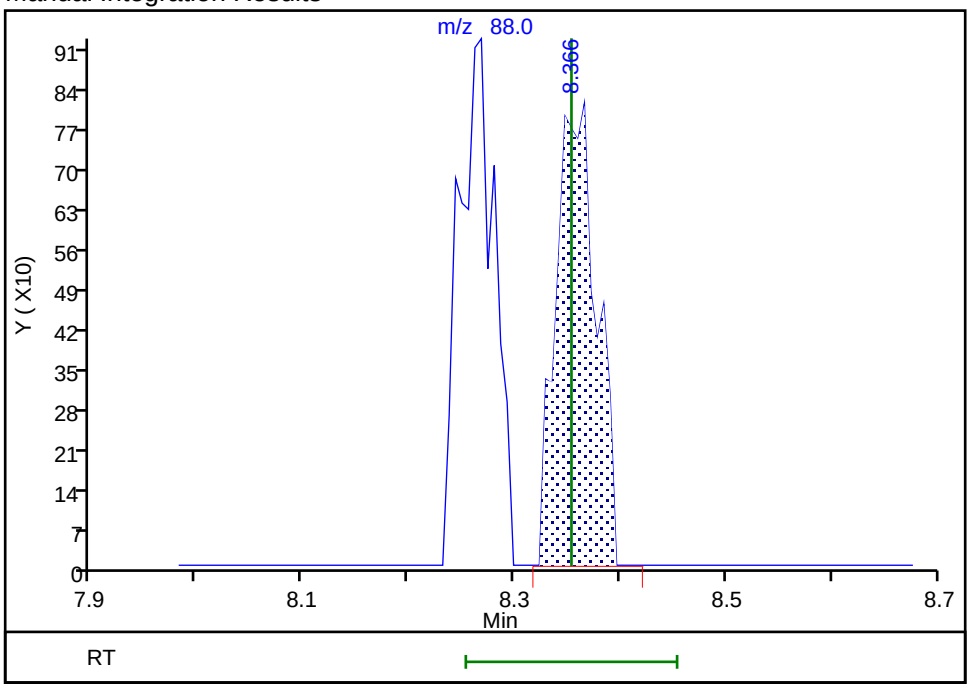
Processing Integration Results

RT: 8.27
Area: 4329
Amount: 34.988850
Amount Units: ug/l



Manual Integration Results

RT: 8.37
Area: 2164
Amount: 15.256044
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:23:14 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X14.D
Lims ID: IC std3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 20-Feb-2024 03:25:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106710-015
Misc. Info.: IC STD3
Operator ID: gaw91131 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Feb-2024 13:07:48 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 26-Feb-2024 10:25:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.855	1.849	0.006	99	69817	1.00	0.99	
5 Chloromethane	50	2.038	2.038	0.000	98	66326	1.00	0.99	
6 Vinyl chloride	62	2.142	2.142	0.000	89	63138	1.00	0.9611	
7 Butadiene	39	2.148	2.154	-0.006	94	64797	1.00	1.01	
9 Bromomethane	94	2.453	2.453	0.001	93	50258	1.00	0.9890	
10 Chloroethane	64	2.532	2.532	0.000	99	37516	1.00	0.9666	
11 Dichlorofluoromethane	67	2.745	2.745	0.000	97	109821	1.00	0.9805	
12 Trichlorofluoromethane	101	2.818	2.812	0.006	97	87968	1.00	0.9750	
13 Ethyl ether	59	3.050	3.044	0.006	90	30496	1.00	1.02	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.123	3.123	0.000	90	59867	1.00	0.9786	
17 Acrolein	56	3.202	3.202	0.000	99	175259	50.0	46.6	
18 1,1-Dichloroethene	96	3.330	3.324	0.006	98	41261	1.00	0.9165	
19 Acetone	43	3.361	3.361	0.000	99	52201	10.0	9.57	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.367	3.367	0.000	91	41486	1.00	0.8939	
22 Iodomethane	142	3.507	3.501	0.006	100	84829	1.00	0.9099	
21 Isopropyl alcohol	45	3.526	3.525	0.001	35	17870	20.0	19.6	
23 Ethyl bromide	108	3.538	3.532	0.006	99	40325	1.00	0.9793	
24 Carbon disulfide	76	3.605	3.599	0.006	100	138186	1.00	0.9012	
25 Methyl acetate	43	3.763	3.751	0.012	28	15197	1.00	0.9746	
27 3-Chloro-1-propene	41	3.769	3.769	0.000	88	65852	1.00	0.8843	
29 Methylene Chloride	84	3.940	3.940	0.000	90	45480	1.00	0.9265	
* 30 t-Butyl alcohol-d10 (IS)	65	3.964	3.964	0.000	97	98960	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.074	4.080	-0.006	98	35497	20.0	18.3	
32 Acrylonitrile	53	4.281	4.269	0.012	97	15877	2.50	2.41	
33 Methyl tert-butyl ether	73	4.318	4.324	-0.006	90	102824	1.00	0.9517	
34 trans-1,2-Dichloroethene	96	4.330	4.330	0.000	98	49042	1.00	0.9070	
35 Hexane	57	4.757	4.763	-0.006	93	53729	1.00	0.8848	
37 1,1-Dichloroethane	63	4.989	4.989	0.000	96	83876	1.00	0.9246	
38 Isopropyl ether	45	5.062	5.056	0.006	94	140914	1.00	0.9319	
39 2-Chloro-1,3-butadiene	53	5.104	5.104	0.000	93	70687	1.00	0.9134	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.592	5.598	-0.006	97	130723	1.00	0.9293	
41 2-Butanone (MEK)	43	5.818	5.812	0.006	99	83961	10.0	9.81	
42 cis-1,2-Dichloroethene	96	5.830	5.830	0.000	83	54722	1.00	0.9048	
43 2,2-Dichloropropane	77	5.842	5.842	0.000	80	76987	1.00	0.9128	
45 Propionitrile	54	5.915	5.897	0.018	98	48580	20.0	20.1	
48 Methacrylonitrile	67	6.116	6.110	0.006	91	87708	10.0	9.60	
S 47 1,2-Dichloroethene, Total	100				0			1.81	
49 Chlorobromomethane	128	6.159	6.165	-0.006	86	22144	1.00	0.9406	
50 Tetrahydrofuran	71	6.190	6.190	0.000	78	11964	5.00	4.90	
51 Chloroform	83	6.318	6.318	0.000	94	91112	1.00	0.9112	
$ 52 Dibromofluoromethane (Surr)	113	6.537	6.537	0.000	93	527332	10.0	9.95	
53 1,1,1-Trichloroethane	97	6.537	6.543	-0.006	97	82044	1.00	0.9292	
54 Cyclohexane	56	6.635	6.635	0.000	91	69069	1.00	0.9018	
55 Carbon tetrachloride	117	6.750	6.757	-0.007	91	71175	1.00	0.9176	
56 1,1-Dichloropropene	75	6.757	6.757	0.000	93	65519	1.00	0.9170	
58 Isobutyl alcohol	41	6.946	6.939	0.007	89	24796	50.0	42.3	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.994	6.988	0.006	71	95500	10.0	9.96	
60 Benzene	78	7.025	7.019	0.006	95	198399	1.00	0.9263	
61 1,2-Dichloroethane	62	7.086	7.092	-0.006	98	51368	1.00	0.9398	
63 Tert-amyl methyl ether	73	7.220	7.226	-0.006	98	111531	1.00	0.9282	
* 64 Fluorobenzene (IS)	96	7.427	7.427	0.000	99	2218490	10.0	10.0	
65 n-Heptane	43	7.445	7.452	-0.007	90	56853	1.00	0.8990	
67 n-Butanol	56	7.860	7.836	0.024	92	35642	87.5	81.5	
68 Trichloroethene	95	7.915	7.915	0.000	97	54154	1.00	0.9091	
69 Methylcyclohexane	83	8.220	8.220	0.000	90	74091	1.00	0.8830	
70 1,2-Dichloropropane	63	8.238	8.244	-0.006	93	47350	1.00	0.9427	
71 2-ethoxy-2-methyl butane	87	8.262	8.262	0.000	93	79887	1.00	0.9315	
72 Methyl methacrylate	69	8.354	8.348	0.006	83	16953	1.00	0.99	
73 1,4-Dioxane	88	8.354	8.354	0.000	35	5432	50.0	37.6	M
74 Dibromomethane	93	8.360	8.354	0.006	93	22086	1.00	0.9267	
76 Dichlorobromomethane	83	8.598	8.592	0.006	99	60579	1.00	0.9265	
77 2-Nitropropane	41	8.878	8.872	0.006	98	26170	5.00	4.28	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	98	42279	1.00	0.9889	
81 cis-1,3-Dichloropropene	75	9.159	9.159	0.000	94	67321	1.00	0.9036	
82 4-Methyl-2-pentanone (MIBK)	43	9.354	9.354	0.000	97	203769	10.0	9.48	
$ 83 Toluene-d8 (Surr)	98	9.476	9.482	-0.006	94	2143649	10.0	10.0	
84 Toluene	92	9.555	9.555	0.000	98	133908	1.00	0.9353	
85 trans-1,3-Dichloropropene	75	9.835	9.829	0.006	94	54131	1.00	0.9242	
86 Ethyl methacrylate	69	9.908	9.902	0.006	88	34442	1.00	0.8813	
107 1,1,2-Trichloroethane	97	10.036	10.036	0.000	91	31279	1.00	0.9617	
S 106 1,3-Dichloropropene, Total	100				0			1.83	
108 Tetrachloroethene	166	10.128	10.128	0.000	98	63891	1.00	0.9373	
109 1,3-Dichloropropane	76	10.207	10.201	0.006	91	52040	1.00	0.9415	
110 2-Hexanone	43	10.274	10.268	0.006	97	125641	10.0	9.40	
112 Chlorodibromomethane	129	10.421	10.420	0.000	89	40665	1.00	0.9324	
113 Ethylene Dibromide	107	10.536	10.530	0.006	97	29205	1.00	0.9484	
* 114 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	85	1649432	10.0	10.0	
115 1-Chlorohexane	91	10.994	10.987	0.007	96	71780	1.00	0.8974	
116 Chlorobenzene	112	11.000	11.000	0.000	96	152365	1.00	0.9386	
117 1,1,1,2-Tetrachloroethane	131	11.085	11.085	0.000	93	54658	1.00	0.9438	
118 Ethylbenzene	91	11.091	11.091	0.000	98	261557	1.00	0.9208	
120 m-Xylene & p-Xylene	106	11.213	11.207	0.006	100	206285	2.00	1.85	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 119 Xylenes, Total	106				0			2.76	
121 o-Xylene	106	11.542	11.542	0.000	96	100756	1.00	0.9101	
122 Styrene	104	11.561	11.560	0.001	94	153991	1.00	0.8916	
123 Bromoform	173	11.719	11.713	0.006	96	23212	1.00	0.9037	
124 Isopropylbenzene	105	11.847	11.847	0.000	96	249373	1.00	0.9211	
$ 127 4-Bromofluorobenzene (Surr)	95	11.987	11.987	0.000	93	785245	10.0	10.0	
128 1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	95	34986	1.00	0.9410	
129 Bromobenzene	156	12.109	12.103	0.006	94	66160	1.00	0.9485	
130 trans-1,4-Dichloro-2-butene	53	12.121	12.121	0.000	95	91807	10.0	9.22	
131 1,2,3-Trichloropropane	110	12.140	12.140	0.000	79	10252	1.00	0.9744	
132 N-Propylbenzene	91	12.182	12.182	0.000	99	310031	1.00	0.9296	
133 2-Chlorotoluene	126	12.256	12.255	0.001	97	68122	1.00	0.9507	
134 1,3,5-Trimethylbenzene	105	12.316	12.316	0.000	94	228782	1.00	0.9287	
135 4-Chlorotoluene	126	12.347	12.347	0.000	98	69926	1.00	0.9452	
136 tert-Butylbenzene	134	12.560	12.560	0.000	93	50530	1.00	0.8930	
137 Pentachloroethane	167	12.591	12.591	0.000	78	40519	1.00	0.9788	
138 1,2,4-Trimethylbenzene	105	12.603	12.603	0.000	97	238685	1.00	0.9389	
139 sec-Butylbenzene	105	12.725	12.725	0.000	94	298500	1.00	0.9437	
140 1,3-Dichlorobenzene	146	12.822	12.822	0.000	98	134945	1.00	0.9259	
141 4-Isopropyltoluene	119	12.835	12.835	0.000	97	260316	1.00	0.9270	
* 142 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	95	922956	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.896	12.896	0.000	96	141840	1.00	0.9567	
144 1,2,3-Trimethylbenzene	120	12.908	12.908	0.000	98	107843	1.00	0.9440	
145 Benzyl chloride	126	12.981	12.975	0.006	99	14049	1.00	0.8690	
146 p-Diethylbenzene	119	13.036	13.036	0.000	92	154997	1.00	0.9385	
147 n-Butylbenzene	92	13.127	13.127	0.000	97	129424	1.00	0.9268	
148 1,2-Dichlorobenzene	146	13.158	13.158	0.000	99	119247	1.00	0.9321	
150 1,2-Dibromo-3-Chloropropane	155	13.706	13.700	0.006	79	4834	1.00	0.9446	
151 1,3,5-Trichlorobenzene	180	13.828	13.822	0.006	97	110387	1.00	0.9416	
152 1,2,4-Trichlorobenzene	180	14.249	14.249	0.000	94	84556	1.00	0.9484	
153 Hexachlorobutadiene	225	14.328	14.328	0.000	97	48041	1.00	0.9393	
154 Naphthalene	128	14.432	14.426	0.006	97	105865	1.00	0.9322	
155 1,2,3-Trichlorobenzene	180	14.572	14.572	0.000	96	62756	1.00	0.9514	
156 2-Methylnaphthalene	142	15.182	15.176	0.006	92	32424	1.00	0.8567	
167 Pentane	43	2.843	2.843	0.000	95	60483	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00117	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00194	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00127	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00084	Amount Added:	1.00	Units: uL	Run Reagent

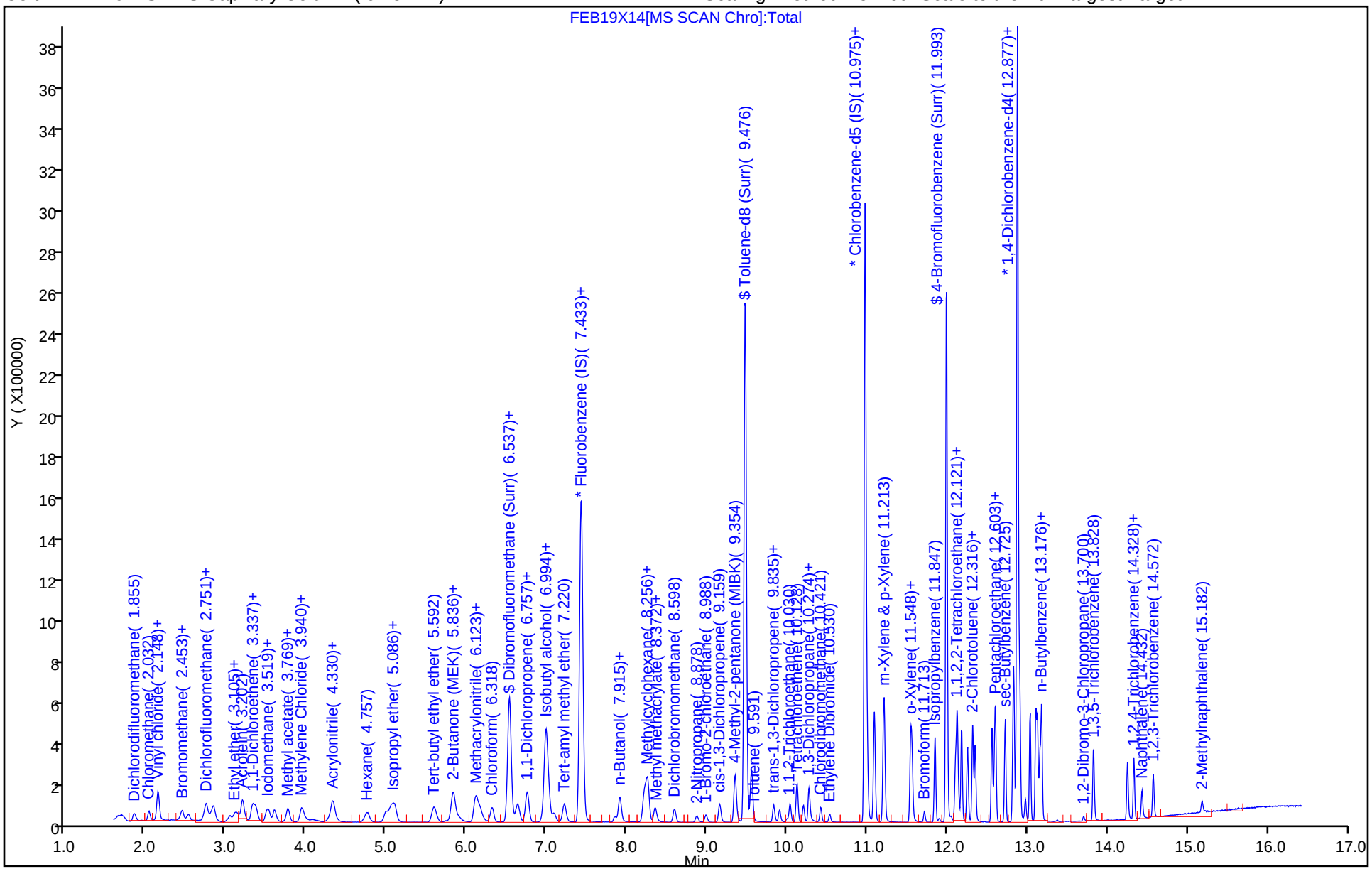
Report Date: 26-Feb-2024 13:07:48 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X14.D

Injection Date:	20-Feb-2024 03:25:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	IC std3			Worklist Smp#:	15
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

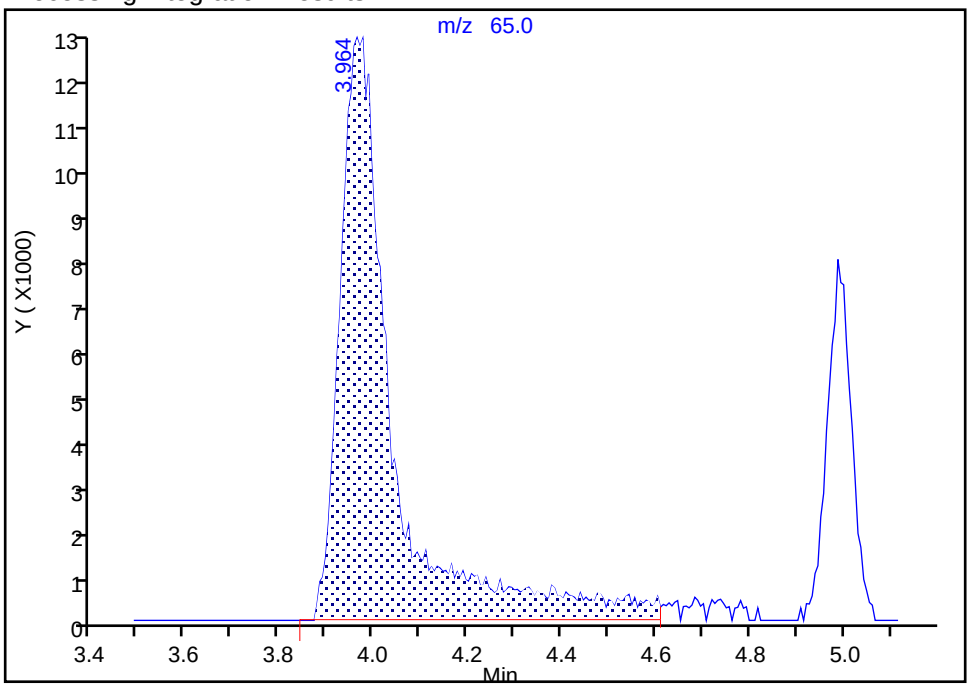
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X14.D
Injection Date: 20-Feb-2024 03:25:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

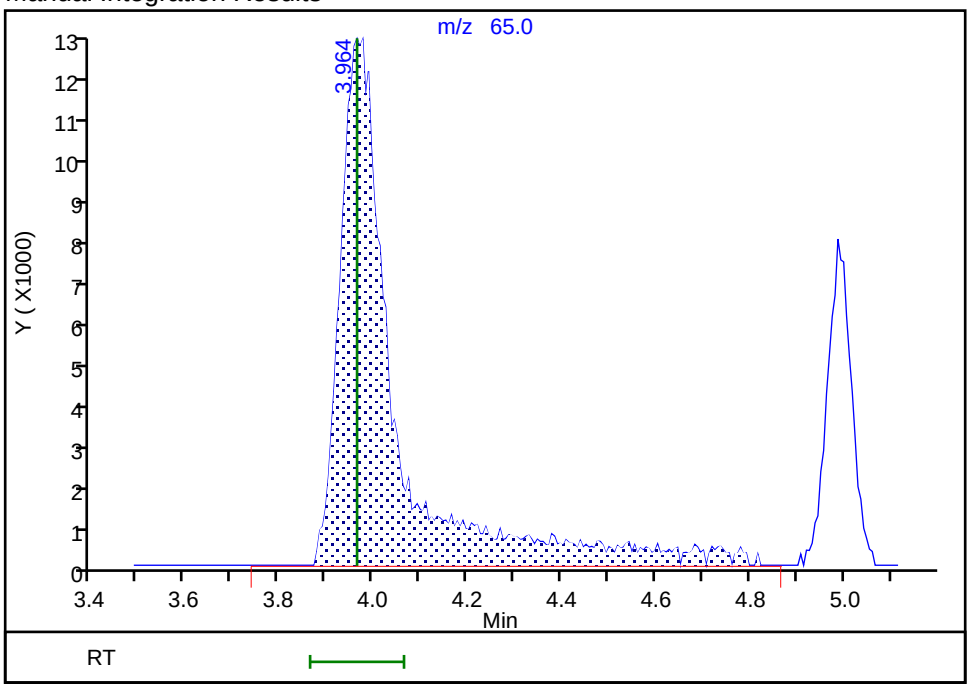
Processing Integration Results

RT: 3.96
Area: 95517
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.96
Area: 98960
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:24:19 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

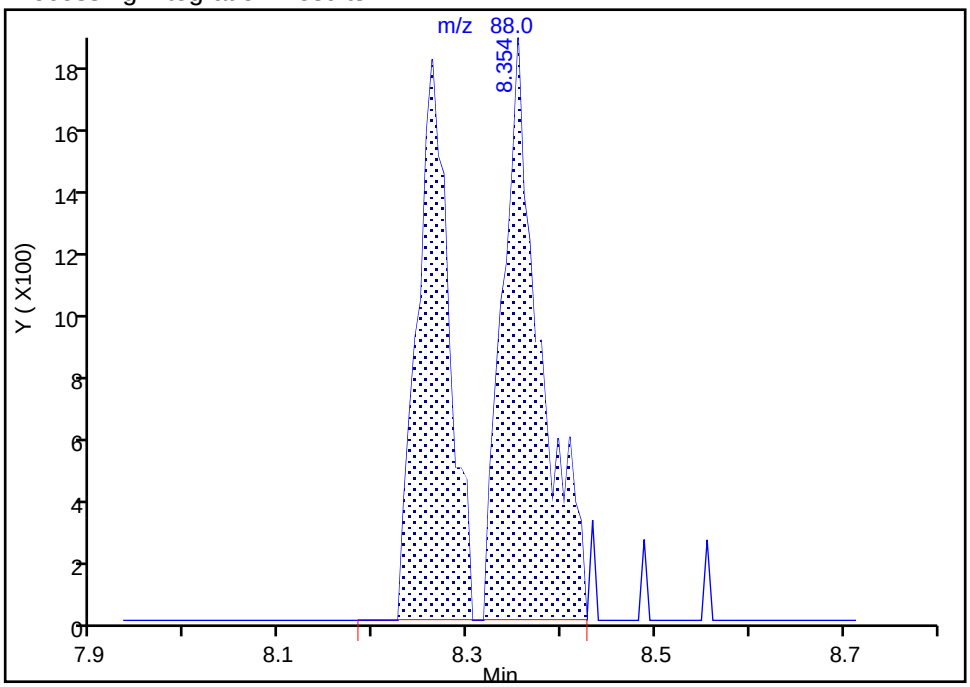
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X14.D
Injection Date: 20-Feb-2024 03:25:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

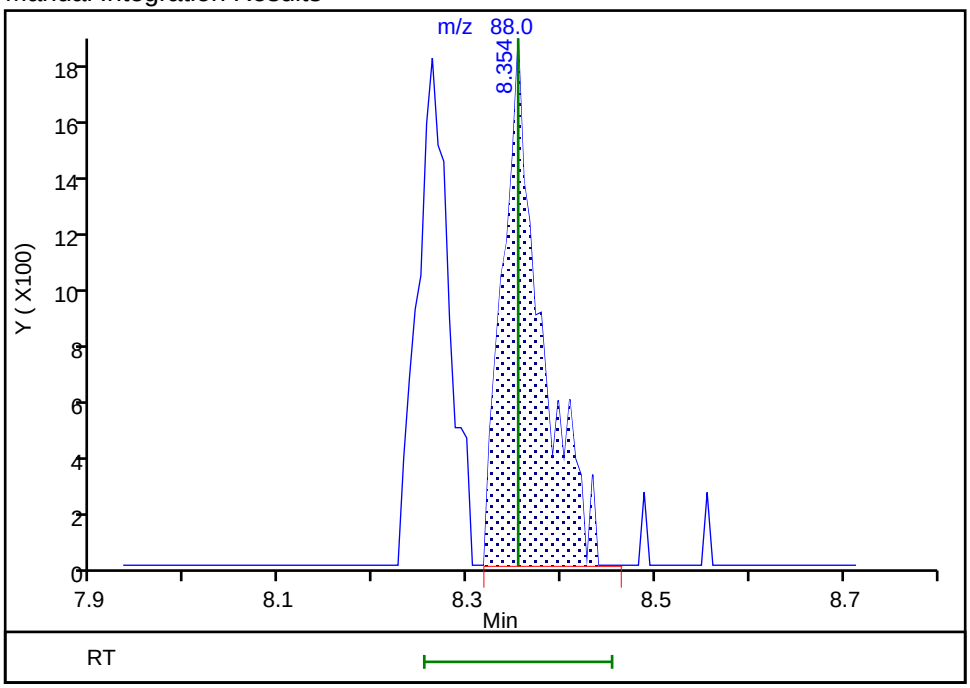
Processing Integration Results

RT: 8.35
Area: 9607
Amount: 79.710445
Amount Units: ug/l



Manual Integration Results

RT: 8.35
Area: 5432
Amount: 37.584719
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:24:41 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X15.D
Lims ID: IC std4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 20-Feb-2024 03:47:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106710-016
Misc. Info.: IC STD4
Operator ID: gaw91131 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Feb-2024 13:07:54 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 26-Feb-2024 10:26:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.843	0.000	99	139019	2.00	2.03	
5 Chloromethane	50	2.026	2.026	0.000	99	131392	2.00	2.02	
6 Vinyl chloride	62	2.135	2.135	0.000	98	126990	2.00	1.98	
7 Butadiene	39	2.135	2.135	0.000	95	123127	2.00	1.97	
9 Bromomethane	94	2.440	2.440	0.000	91	99407	2.00	2.01	
10 Chloroethane	64	2.513	2.513	0.000	99	74721	2.00	1.98	
11 Dichlorofluoromethane	67	2.739	2.739	0.000	97	213986	2.00	1.96	
12 Trichlorofluoromethane	101	2.812	2.812	0.000	97	174719	2.00	1.99	
13 Ethyl ether	59	3.032	3.032	0.000	91	55258	2.00	1.91	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.111	3.111	0.000	91	118334	2.00	1.99	
17 Acrolein	56	3.190	3.190	0.000	99	360835	100.0	100.4	
18 1,1-Dichloroethene	96	3.312	3.312	0.000	98	83110	2.00	1.90	
19 Acetone	43	3.349	3.349	0.000	99	113101	20.0	21.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.355	3.355	0.000	91	86077	2.00	1.90	
22 Iodomethane	142	3.495	3.495	0.000	99	172467	2.00	1.90	
21 Isopropyl alcohol	45	3.519	3.519	0.000	38	35875	40.0	40.3	
23 Ethyl bromide	108	3.519	3.519	0.000	99	76030	2.00	1.90	
24 Carbon disulfide	76	3.592	3.592	0.000	100	280591	2.00	1.88	
25 Methyl acetate	43	3.745	3.745	0.000	37	26238	2.00	1.76	
27 3-Chloro-1-propene	41	3.763	3.763	0.000	88	137466	2.00	1.89	
29 Methylene Chloride	84	3.928	3.928	0.000	90	92478	2.00	1.93	
* 30 t-Butyl alcohol-d10 (IS)	65	3.952	3.952	0.000	97	94505	50.0	50.0	
31 2-Methyl-2-propanol	59	4.062	4.062	0.000	99	73980	40.0	40.0	
32 Acrylonitrile	53	4.263	4.263	0.000	98	35180	5.00	5.58	
33 Methyl tert-butyl ether	73	4.318	4.318	0.000	96	206800	2.00	1.96	
34 trans-1,2-Dichloroethene	96	4.324	4.324	0.000	98	100085	2.00	1.90	
35 Hexane	57	4.751	4.751	0.000	93	112919	2.00	1.91	
37 1,1-Dichloroethane	63	4.982	4.982	0.000	96	169032	2.00	1.91	
38 Isopropyl ether	45	5.050	5.050	0.000	92	288394	2.00	1.96	
39 2-Chloro-1,3-butadiene	53	5.098	5.098	0.000	93	141599	2.00	1.88	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.586	5.586	0.000	97	270882	2.00	1.98	
41 2-Butanone (MEK)	43	5.812	5.812	0.000	100	170225	20.0	20.8	
42 cis-1,2-Dichloroethene	96	5.824	5.824	0.000	81	112636	2.00	1.91	
43 2,2-Dichloropropane	77	5.842	5.842	0.000	86	153775	2.00	1.87	
45 Propionitrile	54	5.897	5.897	0.000	98	98944	40.0	42.8	
48 Methacrylonitrile	67	6.110	6.110	0.000	91	180427	20.0	20.7	
S 47 1,2-Dichloroethene, Total	100				0			3.81	
49 Chlorobromomethane	128	6.153	6.153	0.000	86	44036	2.00	1.92	
50 Tetrahydrofuran	71	6.183	6.183	0.000	88	24127	10.0	10.3	
51 Chloroform	83	6.311	6.311	0.000	93	183856	2.00	1.89	
$ 52 Dibromofluoromethane (Surr)	113	6.525	6.525	0.000	94	515134	10.0	9.98	
53 1,1,1-Trichloroethane	97	6.537	6.537	0.000	97	162546	2.00	1.89	
54 Cyclohexane	56	6.635	6.635	0.000	91	141988	2.00	1.90	
55 Carbon tetrachloride	117	6.750	6.750	0.000	96	141394	2.00	1.87	
56 1,1-Dichloropropene	75	6.757	6.757	0.000	96	132293	2.00	1.90	
58 Isobutyl alcohol	41	6.939	6.939	0.000	91	55845	100.0	97.9	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.982	6.982	0.000	74	93108	10.0	9.97	
60 Benzene	78	7.019	7.019	0.000	97	397891	2.00	1.91	
61 1,2-Dichloroethane	62	7.086	7.086	0.000	98	103635	2.00	1.95	
63 Tert-amyl methyl ether	73	7.220	7.220	0.000	98	229944	2.00	1.96	
* 64 Fluorobenzene (IS)	96	7.427	7.427	0.000	99	2161085	10.0	10.0	
65 n-Heptane	43	7.439	7.439	0.000	91	113906	2.00	1.85	
67 n-Butanol	56	7.842	7.842	0.000	89	78550	175.0	188.0	
68 Trichloroethene	95	7.909	7.909	0.000	98	110505	2.00	1.90	
69 Methylcyclohexane	83	8.214	8.214	0.000	92	157278	2.00	1.92	
70 1,2-Dichloropropane	63	8.238	8.238	0.000	90	93378	2.00	1.91	
71 2-ethoxy-2-methyl butane	87	8.262	8.262	0.000	94	162648	2.00	1.95	
72 Methyl methacrylate	69	8.348	8.348	0.000	85	32702	2.00	2.00	
73 1,4-Dioxane	88	8.348	8.348	0.000	33	14430	100.0	104.5	M
74 Dibromomethane	93	8.354	8.354	0.000	92	45600	2.00	1.96	
76 Dichlorobromomethane	83	8.592	8.592	0.000	99	122975	2.00	1.93	
77 2-Nitropropane	41	8.872	8.872	0.000	99	59469	10.0	10.2	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	98	80765	2.00	1.94	
81 cis-1,3-Dichloropropene	75	9.152	9.152	0.000	95	140552	2.00	1.94	
82 4-Methyl-2-pentanone (MIBK)	43	9.347	9.347	0.000	96	424395	20.0	20.7	
$ 83 Toluene-d8 (Surr)	98	9.475	9.475	0.000	94	2100090	10.0	9.96	
84 Toluene	92	9.555	9.555	0.000	98	267589	2.00	1.90	
85 trans-1,3-Dichloropropene	75	9.829	9.829	0.000	94	111948	2.00	1.94	
86 Ethyl methacrylate	69	9.902	9.902	0.000	88	77493	2.00	2.01	
107 1,1,2-Trichloroethane	97	10.036	10.036	0.000	92	62684	2.00	1.96	
S 106 1,3-Dichloropropene, Total	100				0			3.88	
108 Tetrachloroethene	166	10.122	10.122	0.000	98	127149	2.00	1.89	
109 1,3-Dichloropropane	76	10.201	10.201	0.000	91	107121	2.00	1.97	
110 2-Hexanone	43	10.274	10.274	0.000	97	274858	20.0	21.5	
112 Chlorodibromomethane	129	10.420	10.420	0.000	89	82683	2.00	1.92	
113 Ethylene Dibromide	107	10.530	10.530	0.000	99	59637	2.00	1.97	
* 114 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	85	1625521	10.0	10.0	
115 1-Chlorohexane	91	10.987	10.987	0.000	97	144581	2.00	1.83	
116 Chlorobenzene	112	11.000	11.000	0.000	96	308586	2.00	1.93	
117 1,1,1,2-Tetrachloroethane	131	11.085	11.085	0.000	94	110024	2.00	1.93	
118 Ethylbenzene	91	11.091	11.091	0.000	99	534589	2.00	1.91	
120 m-Xylene & p-Xylene	106	11.213	11.213	0.000	100	419038	4.00	3.80	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 119 Xylenes, Total	106				0			5.73	
121 o-Xylene	106	11.542	11.542	0.000	96	209696	2.00	1.92	
122 Styrene	104	11.560	11.560	0.000	94	327002	2.00	1.92	
123 Bromoform	173	11.713	11.713	0.000	97	47644	2.00	1.88	
124 Isopropylbenzene	105	11.847	11.847	0.000	96	504230	2.00	1.89	
$ 127 4-Bromofluorobenzene (Surr)	95	11.987	11.987	0.000	93	766052	10.0	9.92	
128 1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	94	73739	2.00	2.01	
129 Bromobenzene	156	12.103	12.103	0.000	94	134494	2.00	1.95	
130 trans-1,4-Dichloro-2-butene	53	12.121	12.121	0.000	96	194455	20.0	20.5	
131 1,2,3-Trichloropropane	110	12.140	12.140	0.000	79	21017	2.00	2.02	
132 N-Propylbenzene	91	12.176	12.176	0.000	99	639663	2.00	1.94	
133 2-Chlorotoluene	126	12.255	12.255	0.000	97	138058	2.00	1.95	
134 1,3,5-Trimethylbenzene	105	12.316	12.316	0.000	94	467180	2.00	1.92	
135 4-Chlorotoluene	126	12.347	12.347	0.000	98	141489	2.00	1.93	
136 tert-Butylbenzene	134	12.560	12.560	0.000	92	107917	2.00	1.93	
137 Pentachloroethane	167	12.591	12.591	0.000	93	76355	2.00	1.87	
138 1,2,4-Trimethylbenzene	105	12.603	12.603	0.000	97	491624	2.00	1.96	
139 sec-Butylbenzene	105	12.725	12.725	0.000	94	601363	2.00	1.92	
140 1,3-Dichlorobenzene	146	12.822	12.822	0.000	99	278013	2.00	1.93	
141 4-Isopropyltoluene	119	12.835	12.835	0.000	97	532356	2.00	1.92	
* 142 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	95	912579	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.896	12.896	0.000	97	286446	2.00	1.95	
144 1,2,3-Trimethylbenzene	120	12.908	12.908	0.000	97	218856	2.00	1.94	
145 Benzyl chloride	126	12.975	12.975	0.000	99	31710	2.00	1.98	
146 p-Diethylbenzene	119	13.036	13.036	0.000	91	313895	2.00	1.92	
147 n-Butylbenzene	92	13.127	13.127	0.000	96	264268	2.00	1.91	
148 1,2-Dichlorobenzene	146	13.158	13.158	0.000	99	248237	2.00	1.96	
150 1,2-Dibromo-3-Chloropropane	155	13.700	13.700	0.000	87	10499	2.00	2.07	
151 1,3,5-Trichlorobenzene	180	13.822	13.822	0.000	98	224507	2.00	1.94	
152 1,2,4-Trichlorobenzene	180	14.249	14.249	0.000	94	172296	2.00	1.95	
153 Hexachlorobutadiene	225	14.328	14.328	0.000	97	97971	2.00	1.94	
154 Naphthalene	128	14.432	14.432	0.000	97	223208	2.00	1.99	
155 1,2,3-Trichlorobenzene	180	14.572	14.572	0.000	96	127807	2.00	1.96	
156 2-Methylnaphthalene	142	15.176	15.176	0.000	92	72634	2.00	1.94	
167 Pentane	43	2.830	2.830	0.000	95	120815	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00117	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00194	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00127	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00084	Amount Added:	1.00	Units: uL	Run Reagent

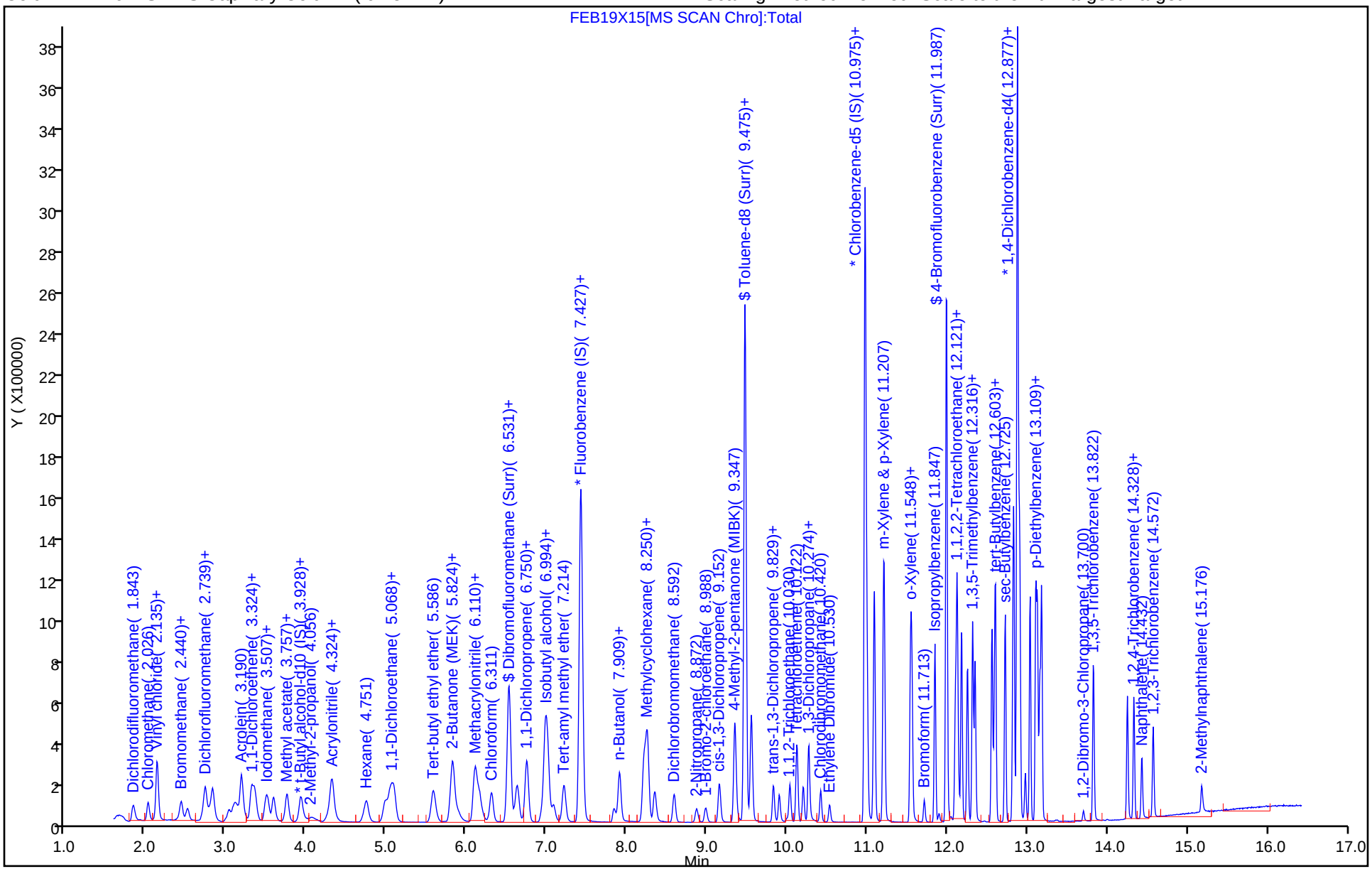
Report Date: 26-Feb-2024 13:07:55 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X15.D

Injection Date:	20-Feb-2024 03:47:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	IC std4			Worklist Smp#:	16
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

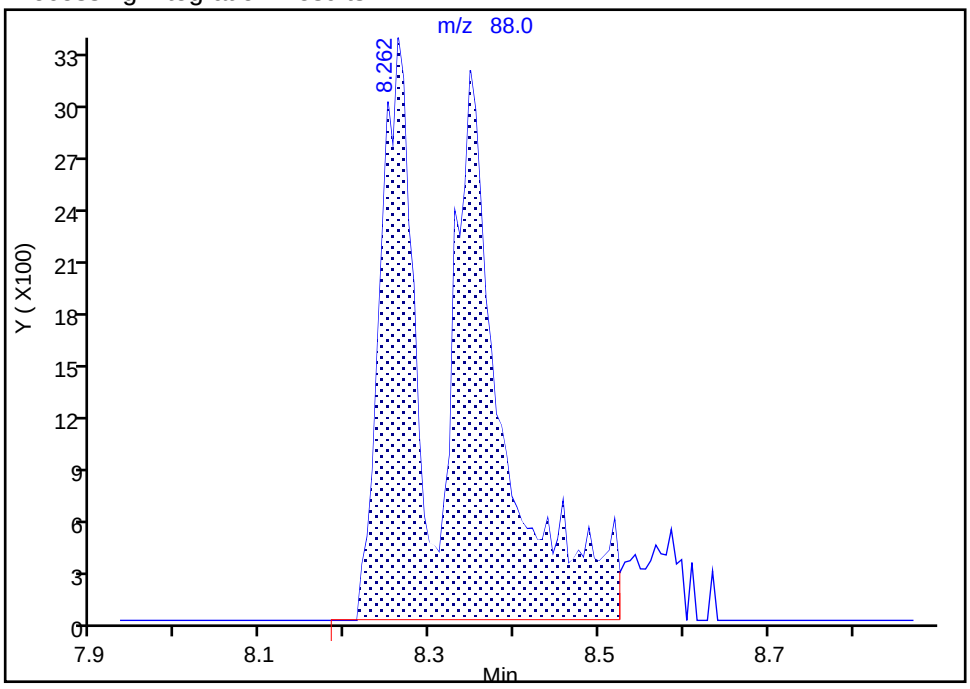
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X15.D
Injection Date: 20-Feb-2024 03:47:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

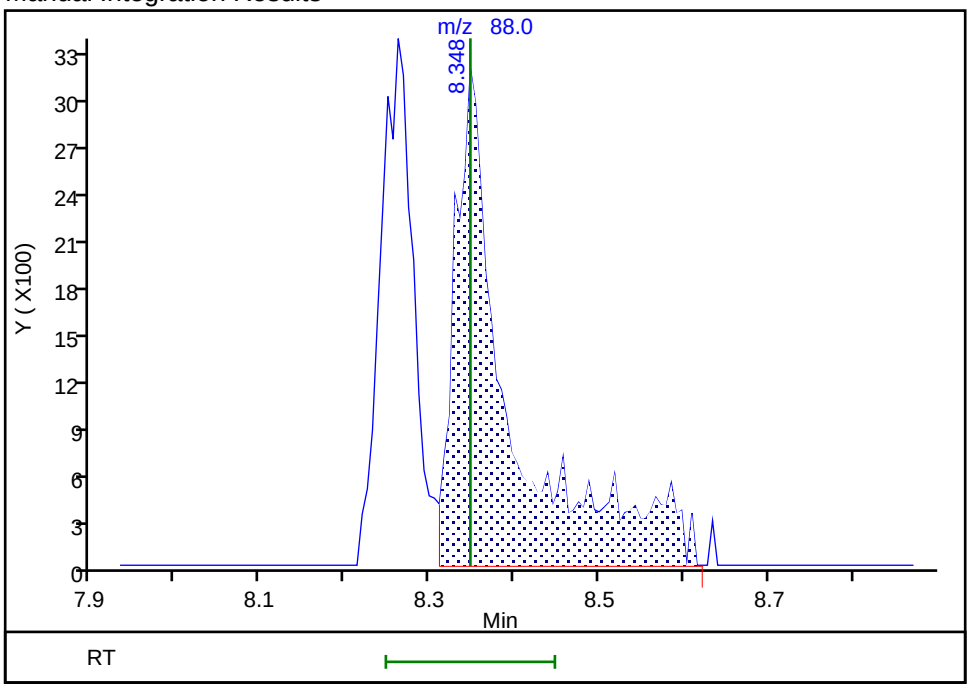
Processing Integration Results

RT: 8.26
Area: 21683
Amount: 181.4535
Amount Units: ug/l



Manual Integration Results

RT: 8.35
Area: 14430
Amount: 104.5497
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:26:19 -05:00:00 (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\16334\20240219-106710.b\FEB19X16.D
Lims ID: IC std5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 20-Feb-2024 04:09:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106710-017
Misc. Info.: IC STD5
Operator ID: gaw91131 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Feb-2024 13:08:01 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 26-Feb-2024 10:28:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.843	0.000	99	345446	5.00	4.96	
5 Chloromethane	50	2.026	2.026	0.000	99	329378	5.00	4.99	
6 Vinyl chloride	62	2.135	2.135	0.000	98	323767	5.00	4.98	
7 Butadiene	39	2.141	2.135	0.006	91	310872	5.00	4.90	
9 Bromomethane	94	2.440	2.440	0.000	91	250593	5.00	4.99	
10 Chloroethane	64	2.519	2.513	0.006	99	190898	5.00	4.97	
11 Dichlorofluoromethane	67	2.739	2.739	0.000	97	545320	5.00	4.92	
12 Trichlorofluoromethane	101	2.806	2.812	-0.006	98	444309	5.00	4.98	
13 Ethyl ether	59	3.032	3.032	0.000	91	155465	5.00	5.28	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.117	3.111	0.006	90	296916	5.00	4.91	
17 Acrolein	56	3.190	3.190	0.000	99	1016253	250.0	260.9	
18 1,1-Dichloroethene	96	3.318	3.312	0.006	98	232811	5.00	5.23	
19 Acetone	43	3.355	3.349	0.006	99	265993	50.0	47.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.361	3.355	0.006	91	245696	5.00	5.35	
22 Iodomethane	142	3.495	3.495	0.000	99	495366	5.00	5.37	
21 Isopropyl alcohol	45	3.525	3.519	0.006	45	100239	100.0	110.9	
23 Ethyl bromide	108	3.525	3.519	0.006	98	218192	5.00	5.36	
24 Carbon disulfide	76	3.599	3.592	0.006	99	802643	5.00	5.29	
25 Methyl acetate	43	3.745	3.745	0.000	97	72121	5.00	4.47	
27 3-Chloro-1-propene	41	3.763	3.763	0.000	89	388783	5.00	5.28	
29 Methylene Chloride	84	3.934	3.928	0.006	90	257486	5.00	5.30	
* 30 t-Butyl alcohol-d10 (IS)	65	3.952	3.952	0.000	98	102375	50.0	50.0	
31 2-Methyl-2-propanol	59	4.074	4.062	0.012	99	203672	100.0	101.6	
32 Acrylonitrile	53	4.263	4.263	0.000	98	95834	12.5	14.0	
33 Methyl tert-butyl ether	73	4.318	4.318	0.000	95	554923	5.00	5.19	
34 trans-1,2-Dichloroethene	96	4.324	4.324	0.000	98	282105	5.00	5.27	
35 Hexane	57	4.757	4.751	0.006	94	322404	5.00	5.37	
37 1,1-Dichloroethane	63	4.982	4.982	0.000	96	481207	5.00	5.36	
38 Isopropyl ether	45	5.049	5.050	-0.001	92	798600	5.00	5.34	
39 2-Chloro-1,3-butadiene	53	5.098	5.098	0.000	93	406609	5.00	5.31	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.592	5.586	0.006	97	731502	5.00	5.26	
41 2-Butanone (MEK)	43	5.805	5.812	-0.007	99	449214	50.0	50.8	
42 cis-1,2-Dichloroethene	96	5.824	5.824	0.000	81	313581	5.00	5.24	
43 2,2-Dichloropropane	77	5.836	5.842	-0.006	88	443421	5.00	5.31	
45 Propionitrile	54	5.897	5.897	0.000	98	263646	100.0	105.4	
48 Methacrylonitrile	67	6.110	6.110	0.000	91	493409	50.0	52.2	
49 Chlorobromomethane	128	6.159	6.153	0.006	85	123476	5.00	5.30	
S 47 1,2-Dichloroethene, Total	100				0			10.5	
50 Tetrahydrofuran	71	6.189	6.183	0.006	90	66730	25.0	26.4	
51 Chloroform	83	6.311	6.311	0.000	93	512107	5.00	5.18	
$ 52 Dibromofluoromethane (Surr)	113	6.531	6.525	0.006	94	521971	10.0	9.96	
53 1,1,1-Trichloroethane	97	6.537	6.537	0.000	97	459922	5.00	5.27	
54 Cyclohexane	56	6.634	6.635	-0.001	90	407575	5.00	5.38	
55 Carbon tetrachloride	117	6.750	6.750	0.000	97	407764	5.00	5.31	
56 1,1-Dichloropropene	75	6.756	6.757	0.000	95	373602	5.00	5.29	
58 Isobutyl alcohol	41	6.945	6.939	0.006	93	160911	250.0	277.7	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.988	6.982	0.006	93	94700	10.0	9.98	
60 Benzene	78	7.019	7.019	0.000	97	1121740	5.00	5.29	
61 1,2-Dichloroethane	62	7.092	7.086	0.006	98	283911	5.00	5.25	
63 Tert-amyl methyl ether	73	7.220	7.220	0.000	98	626099	5.00	5.27	
* 64 Fluorobenzene (IS)	96	7.427	7.427	0.000	98	2194446	10.0	10.0	
65 n-Heptane	43	7.445	7.439	0.006	90	327628	5.00	5.24	
67 n-Butanol	56	7.835	7.842	-0.007	89	235101	437.5	519.5	
68 Trichloroethene	95	7.909	7.909	0.000	98	314910	5.00	5.34	
69 Methylcyclohexane	83	8.213	8.214	-0.001	92	454094	5.00	5.47	
70 1,2-Dichloropropane	63	8.238	8.238	0.000	94	263166	5.00	5.30	
71 2-ethoxy-2-methyl butane	87	8.262	8.262	0.000	94	453151	5.00	5.34	
72 Methyl methacrylate	69	8.348	8.348	0.000	90	92809	5.00	5.25	
73 1,4-Dioxane	88	8.354	8.348	0.006	35	42081	250.0	281.5	M
74 Dibromomethane	93	8.354	8.354	0.000	93	124802	5.00	5.29	
76 Dichlorobromomethane	83	8.591	8.592	-0.001	99	343961	5.00	5.32	
77 2-Nitropropane	41	8.872	8.872	0.000	98	160981	25.0	25.5	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	228732	5.00	5.41	
81 cis-1,3-Dichloropropene	75	9.152	9.152	0.000	95	397425	5.00	5.39	
82 4-Methyl-2-pentanone (MIBK)	43	9.347	9.347	0.000	97	1171675	50.0	52.7	
$ 83 Toluene-d8 (Surr)	98	9.475	9.475	0.000	93	2128126	10.0	10.0	
84 Toluene	92	9.555	9.555	0.000	98	749956	5.00	5.26	
85 trans-1,3-Dichloropropene	75	9.829	9.829	0.000	94	321318	5.00	5.51	
86 Ethyl methacrylate	69	9.902	9.902	0.000	88	219900	5.00	5.65	
107 1,1,2-Trichloroethane	97	10.036	10.036	0.000	92	171702	5.00	5.30	
S 106 1,3-Dichloropropene, Total	100				0			10.9	
108 Tetrachloroethene	166	10.128	10.122	0.006	98	362387	5.00	5.34	
109 1,3-Dichloropropane	76	10.201	10.201	0.000	91	290463	5.00	5.28	
110 2-Hexanone	43	10.268	10.274	-0.006	97	777625	50.0	56.3	
112 Chlorodibromomethane	129	10.420	10.420	0.000	89	233283	5.00	5.37	
113 Ethylene Dibromide	107	10.530	10.530	0.000	99	165238	5.00	5.39	
* 114 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	85	1641834	10.0	10.0	
115 1-Chlorohexane	91	10.987	10.987	0.000	97	403138	5.00	5.06	
116 Chlorobenzene	112	11.000	11.000	0.000	97	854009	5.00	5.29	
117 1,1,1,2-Tetrachloroethane	131	11.085	11.085	0.000	95	309170	5.00	5.36	
118 Ethylbenzene	91	11.091	11.091	0.000	98	1514458	5.00	5.36	
120 m-Xylene & p-Xylene	106	11.207	11.213	-0.006	100	1194218	10.0	10.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 119 Xylenes, Total	106				0			16.1	
121 o-Xylene	106	11.542	11.542	0.000	97	592140	5.00	5.37	
122 Styrene	104	11.560	11.560	0.000	95	946669	5.00	5.51	
123 Bromoform	173	11.713	11.713	0.000	97	136541	5.00	5.34	
124 Isopropylbenzene	105	11.847	11.847	0.000	96	1444931	5.00	5.36	
$ 127 4-Bromofluorobenzene (Surr)	95	11.987	11.987	0.000	93	787762	10.0	10.1	
128 1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	94	201704	5.00	5.34	
129 Bromobenzene	156	12.109	12.103	0.006	94	371915	5.00	5.25	
130 trans-1,4-Dichloro-2-butene	53	12.121	12.121	0.000	96	551126	50.0	53.5	
131 1,2,3-Trichloropropane	110	12.140	12.140	0.000	79	56738	5.00	5.31	
132 N-Propylbenzene	91	12.176	12.176	0.000	99	1815342	5.00	5.36	
133 2-Chlorotoluene	126	12.255	12.255	0.000	97	383548	5.00	5.27	
134 1,3,5-Trimethylbenzene	105	12.316	12.316	0.000	94	1346538	5.00	5.38	
135 4-Chlorotoluene	126	12.347	12.347	0.000	98	397816	5.00	5.29	
136 tert-Butylbenzene	134	12.560	12.560	0.000	92	310567	5.00	5.40	
137 Pentachloroethane	167	12.591	12.591	0.000	92	232246	5.00	5.52	
138 1,2,4-Trimethylbenzene	105	12.603	12.603	0.000	97	1388175	5.00	5.37	
139 sec-Butylbenzene	105	12.725	12.725	0.000	94	1721115	5.00	5.35	
140 1,3-Dichlorobenzene	146	12.822	12.822	0.000	99	791088	5.00	5.34	
141 4-Isopropyltoluene	119	12.835	12.835	-0.001	97	1529419	5.00	5.36	
* 142 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	94	938026	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.895	12.896	-0.001	95	797094	5.00	5.29	
144 1,2,3-Trimethylbenzene	120	12.908	12.908	0.000	99	603646	5.00	5.20	
145 Benzyl chloride	126	12.975	12.975	0.000	98	92394	5.00	5.62	
146 p-Diethylbenzene	119	13.036	13.036	0.000	91	904252	5.00	5.39	
147 n-Butylbenzene	92	13.127	13.127	0.000	97	767060	5.00	5.40	
148 1,2-Dichlorobenzene	146	13.158	13.158	0.000	99	687202	5.00	5.29	
150 1,2-Dibromo-3-Chloropropane	155	13.700	13.700	0.000	88	30299	5.00	5.83	
151 1,3,5-Trichlorobenzene	180	13.822	13.822	0.000	98	640030	5.00	5.37	
152 1,2,4-Trichlorobenzene	180	14.249	14.249	0.000	94	489372	5.00	5.40	
153 Hexachlorobutadiene	225	14.328	14.328	0.000	97	279891	5.00	5.38	
154 Naphthalene	128	14.426	14.432	-0.006	97	633267	5.00	5.49	
155 1,2,3-Trichlorobenzene	180	14.572	14.572	0.000	96	361295	5.00	5.39	
156 2-Methylnaphthalene	142	15.176	15.176	0.000	92	218044	5.00	5.67	
167 Pentane	43	2.836	2.830	0.006	96	347814	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00117	Amount Added:	5.00	Units: uL	
MSV_LL_GAS826_00194	Amount Added:	5.00	Units: uL	
MSV_LL_#2_826_00127	Amount Added:	5.00	Units: uL	
MSV_HP25_ISSS_00084	Amount Added:	1.00	Units: uL	Run Reagent

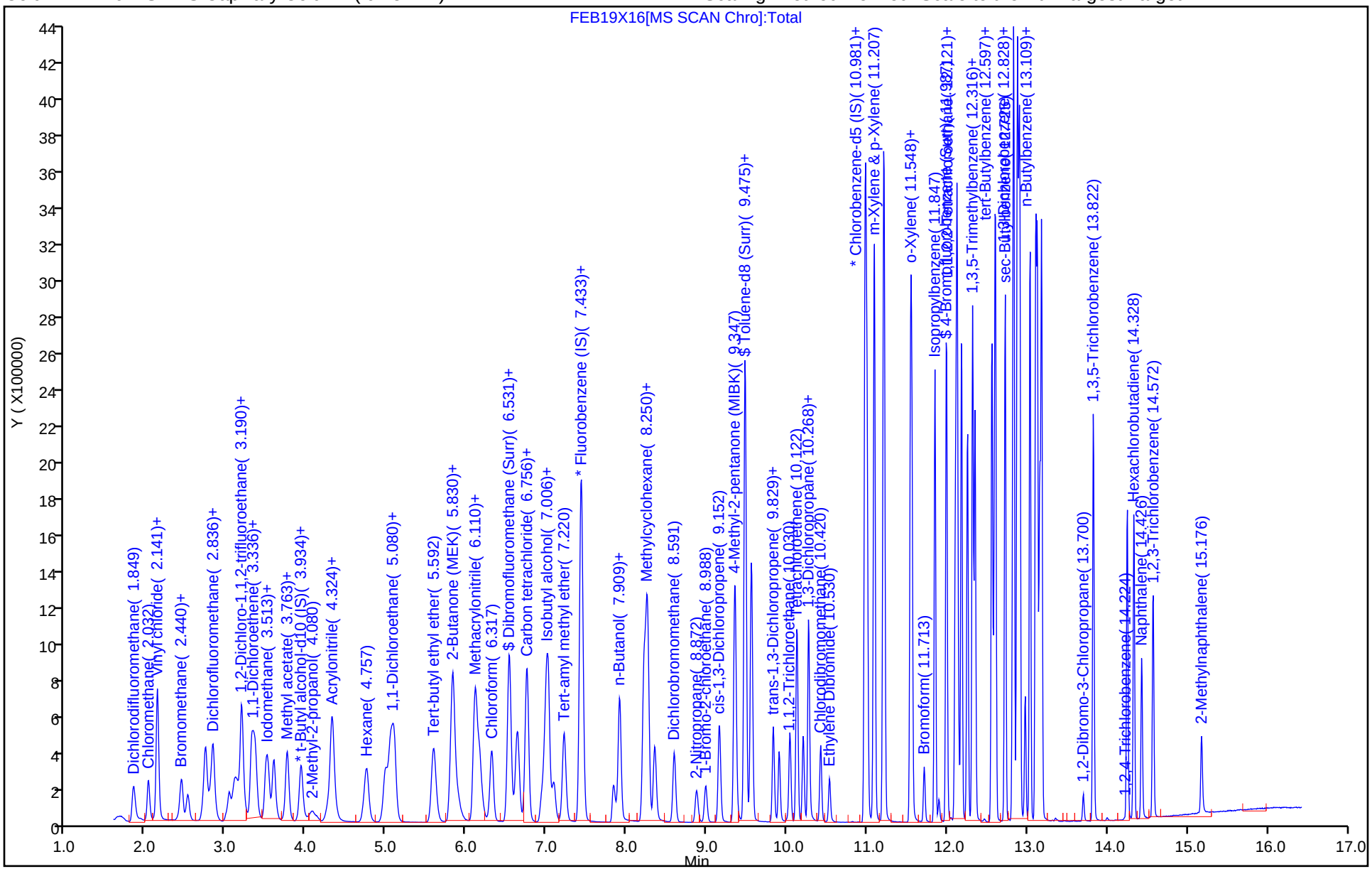
Report Date: 26-Feb-2024 13:08:02 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X16.D

Injection Date:	20-Feb-2024 04:09:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	IC std5			Worklist Smp#:	17
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

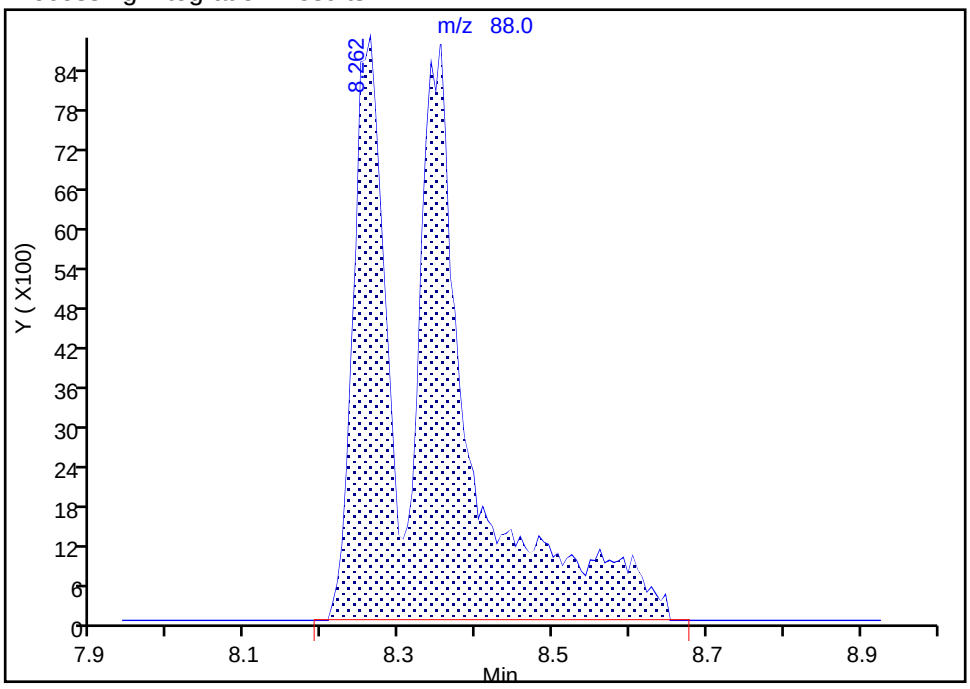
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X16.D
Injection Date: 20-Feb-2024 04:09:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

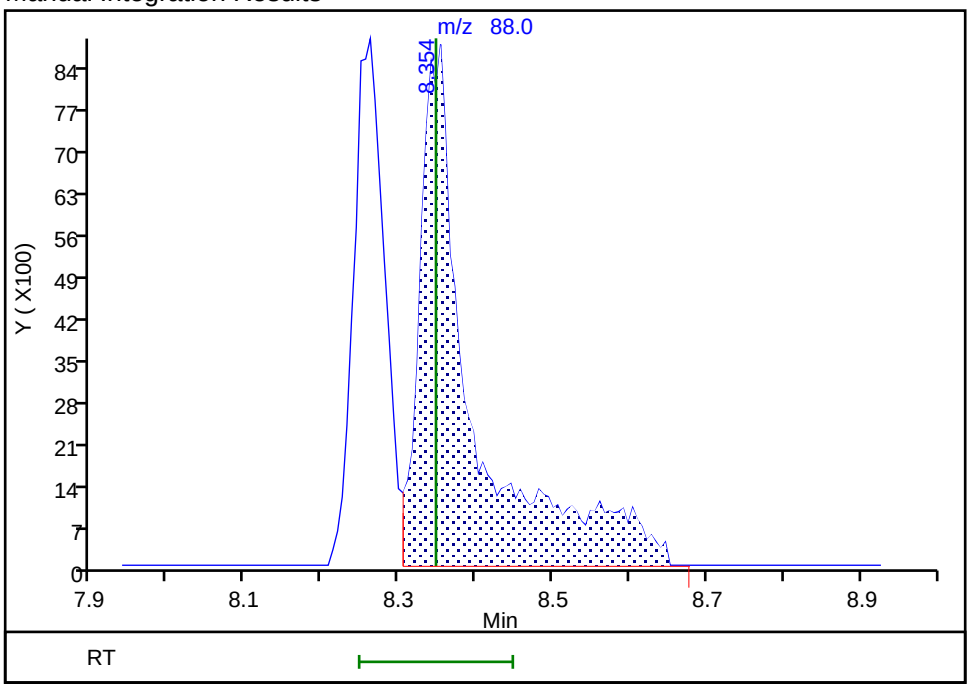
Processing Integration Results

RT: 8.26
Area: 66666
Amount: 478.8475
Amount Units: ug/l



Manual Integration Results

RT: 8.35
Area: 42081
Amount: 281.4514
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:27:33 -05:00:00 (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\16334\20240219-106710.b\FEB19X17.D
Lims ID: ICIS std6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 20-Feb-2024 04:31:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106710-018
Misc. Info.: ICIS STD6
Operator ID: gaw91131 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Feb-2024 13:06:53 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 26-Feb-2024 13:06:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.849	0.000	99	644630	10.0	8.96	
5 Chloromethane	50	2.038	2.038	0.000	99	642065	10.0	9.43	
6 Vinyl chloride	62	2.142	2.142	0.000	98	642225	10.0	9.57	
7 Butadiene	39	2.154	2.154	0.000	92	601733	10.0	9.19	
9 Bromomethane	94	2.453	2.453	0.000	91	503546	10.0	9.70	
10 Chloroethane	64	2.532	2.532	0.000	100	382257	10.0	9.64	
11 Dichlorofluoromethane	67	2.745	2.745	0.000	97	1069105	10.0	9.34	
12 Trichlorofluoromethane	101	2.812	2.812	0.000	97	870962	10.0	9.45	
13 Ethyl ether	59	3.044	3.044	0.000	91	311182	10.0	10.2	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.123	3.123	0.000	91	592970	10.0	9.49	
17 Acrolein	56	3.202	3.202	0.000	99	2169618	500.0	537.2	
18 1,1-Dichloroethene	96	3.324	3.324	0.000	98	468517	10.0	10.2	
19 Acetone	43	3.361	3.361	0.000	99	502359	100.0	85.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.367	3.367	0.000	91	502869	10.0	10.6	
22 Iodomethane	142	3.501	3.501	0.000	99	996037	10.0	10.5	
21 Isopropyl alcohol	45	3.525	3.525	0.000	40	201709	200.0	216.2	
23 Ethyl bromide	108	3.532	3.532	0.000	99	439178	10.0	10.4	
24 Carbon disulfide	76	3.599	3.599	0.000	99	1625447	10.0	10.4	
25 Methyl acetate	43	3.751	3.751	0.000	97	158381	10.0	9.47	
27 3-Chloro-1-propene	41	3.769	3.769	0.000	89	775632	10.0	10.2	
29 Methylene Chloride	84	3.940	3.940	0.000	89	510370	10.0	10.2	
* 30 t-Butyl alcohol-d10 (IS)	65	3.964	3.964	0.000	97	106160	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.080	4.080	0.000	99	386062	200.0	185.7	
32 Acrylonitrile	53	4.269	4.269	0.000	100	193770	25.0	27.4	
33 Methyl tert-butyl ether	73	4.324	4.324	0.000	95	1124176	10.0	10.2	
34 trans-1,2-Dichloroethene	96	4.330	4.330	0.000	99	566832	10.0	10.3	
35 Hexane	57	4.763	4.763	0.000	93	650387	10.0	10.5	
37 1,1-Dichloroethane	63	4.989	4.989	0.000	96	957021	10.0	10.3	
38 Isopropyl ether	45	5.056	5.056	0.000	93	1599197	10.0	10.4	
39 2-Chloro-1,3-butadiene	53	5.104	5.104	0.000	93	833926	10.0	10.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.598	5.598	0.000	97	1479818	10.0	10.3	
41 2-Butanone (MEK)	43	5.812	5.812	0.000	99	918069	100.0	100.0	
42 cis-1,2-Dichloroethene	96	5.830	5.830	0.000	82	628461	10.0	10.2	
43 2,2-Dichloropropane	77	5.842	5.842	0.000	88	888149	10.0	10.3	
45 Propionitrile	54	5.897	5.897	0.000	99	532599	200.0	205.3	
48 Methacrylonitrile	67	6.110	6.110	0.000	91	1001168	100.0	102.1	
49 Chlorobromomethane	128	6.165	6.165	0.000	86	249171	10.0	10.4	
50 Tetrahydrofuran	71	6.190	6.190	0.000	77	138209	50.0	52.8	
51 Chloroform	83	6.318	6.318	0.000	94	1030152	10.0	10.1	
$ 52 Dibromofluoromethane (Surr)	113	6.537	6.537	0.000	93	542083	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.543	6.543	0.000	98	930878	10.0	10.3	
54 Cyclohexane	56	6.635	6.635	0.000	90	824801	10.0	10.5	
55 Carbon tetrachloride	117	6.757	6.757	0.000	96	830682	10.0	10.5	
56 1,1-Dichloropropene	75	6.757	6.757	0.000	96	755425	10.0	10.4	
58 Isobutyl alcohol	41	6.939	6.939	0.000	94	308539	500.0	515.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.988	6.988	0.000	93	96981	10.0	9.90	
60 Benzene	78	7.019	7.019	0.000	97	2260731	10.0	10.3	
61 1,2-Dichloroethane	62	7.092	7.092	0.000	98	569292	10.0	10.2	
63 Tert-amyl methyl ether	73	7.226	7.226	0.000	98	1277000	10.0	10.4	
* 64 Fluorobenzene (IS)	96	7.433	7.433	0.000	98	2265991	10.0	10.0	
65 n-Heptane	43	7.452	7.452	0.000	91	671650	10.0	10.4	
67 n-Butanol	56	7.836	7.836	0.000	89	473275	875.0	1008.4	
68 Trichloroethene	95	7.915	7.915	0.000	98	633281	10.0	10.4	
69 Methylcyclohexane	83	8.220	8.220	0.000	92	919412	10.0	10.7	
70 1,2-Dichloropropane	63	8.244	8.244	0.000	94	535258	10.0	10.4	
71 2-ethoxy-2-methyl butane	87	8.262	8.262	0.000	93	927768	10.0	10.6	
72 Methyl methacrylate	69	8.348	8.348	0.000	89	200284	10.0	10.9	
73 1,4-Dioxane	88	8.354	8.354	0.000	35	82688	500.0	533.3	Ma
74 Dibromomethane	93	8.354	8.354	0.000	93	253805	10.0	10.4	
76 Dichlorobromomethane	83	8.592	8.592	0.000	99	705303	10.0	10.6	
77 2-Nitropropane	41	8.872	8.872	0.000	99	332267	50.0	50.7	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	459073	10.0	10.5	
81 cis-1,3-Dichloropropene	75	9.159	9.159	0.000	95	815570	10.0	10.7	
82 4-Methyl-2-pentanone (MIBK)	43	9.354	9.354	0.000	97	2391733	100.0	103.7	
$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	93	2211134	10.0	10.0	
84 Toluene	92	9.555	9.555	0.000	98	1531961	10.0	10.3	
85 trans-1,3-Dichloropropene	75	9.829	9.829	0.000	94	656967	10.0	10.8	
86 Ethyl methacrylate	69	9.902	9.902	0.000	88	465562	10.0	11.5	
107 1,1,2-Trichloroethane	97	10.036	10.036	0.000	91	348921	10.0	10.4	
108 Tetrachloroethene	166	10.128	10.128	0.000	98	734950	10.0	10.4	
109 1,3-Dichloropropane	76	10.201	10.201	0.000	91	582891	10.0	10.2	
110 2-Hexanone	43	10.268	10.268	0.000	96	1596670	100.0	111.4	
112 Chlorodibromomethane	129	10.420	10.420	0.000	89	482234	10.0	10.7	
113 Ethylene Dibromide	107	10.530	10.530	0.000	99	340980	10.0	10.7	
* 114 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1705757	10.0	10.0	
115 1-Chlorohexane	91	10.987	10.987	0.000	96	824328	10.0	9.97	
116 Chlorobenzene	112	11.000	11.000	0.000	96	1721580	10.0	10.3	
117 1,1,1,2-Tetrachloroethane	131	11.085	11.085	0.000	95	635086	10.0	10.6	
118 Ethylbenzene	91	11.091	11.091	0.000	98	3072583	10.0	10.5	
120 m-Xylene & p-Xylene	106	11.207	11.207	0.000	100	2432612	20.0	21.0	
121 o-Xylene	106	11.542	11.542	0.000	97	1206280	10.0	10.5	
122 Styrene	104	11.560	11.560	0.000	95	1954066	10.0	10.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Bromoform	173	11.713	11.713	0.000	97	287480	10.0	10.8	
124 Isopropylbenzene	105	11.847	11.847	0.000	96	2935462	10.0	10.5	
$ 127 4-Bromofluorobenzene (Surr)	95	11.987	11.987	0.000	93	815753	10.0	10.1	
128 1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	94	413113	10.0	10.5	
129 Bromobenzene	156	12.103	12.103	0.000	95	763521	10.0	10.3	
130 trans-1,4-Dichloro-2-butene	53	12.121	12.121	0.000	95	1136938	100.0	106.4	
131 1,2,3-Trichloropropane	110	12.140	12.140	0.000	80	117968	10.0	10.5	
132 N-Propylbenzene	91	12.182	12.182	0.000	99	3675258	10.0	10.4	
133 2-Chlorotoluene	126	12.255	12.255	0.000	97	789729	10.0	10.4	
134 1,3,5-Trimethylbenzene	105	12.316	12.316	0.000	94	2754789	10.0	10.5	
135 4-Chlorotoluene	126	12.347	12.347	0.000	97	818559	10.0	10.4	
136 tert-Butylbenzene	134	12.560	12.560	0.000	92	642623	10.0	10.7	
137 Pentachloroethane	167	12.591	12.591	0.000	92	489738	10.0	11.1	
138 1,2,4-Trimethylbenzene	105	12.603	12.603	0.000	98	2850385	10.0	10.5	
139 sec-Butylbenzene	105	12.725	12.725	0.000	94	3500938	10.0	10.4	
140 1,3-Dichlorobenzene	146	12.822	12.822	0.000	99	1615697	10.0	10.4	
141 4-Isopropyltoluene	119	12.835	12.835	0.000	97	3176263	10.0	10.6	
* 142 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	94	981254	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.896	12.896	0.000	95	1612263	10.0	10.2	
144 1,2,3-Trimethylbenzene	120	12.908	12.908	0.000	98	1252571	10.0	10.3	
145 Benzyl chloride	126	12.975	12.975	0.000	98	197189	10.0	11.5	
146 p-Diethylbenzene	119	13.036	13.036	0.000	91	1855406	10.0	10.6	
147 n-Butylbenzene	92	13.127	13.127	0.000	97	1592677	10.0	10.7	
148 1,2-Dichlorobenzene	146	13.158	13.158	0.000	99	1410057	10.0	10.4	
150 1,2-Dibromo-3-Chloropropane	155	13.700	13.700	0.000	88	61811	10.0	11.4	
151 1,3,5-Trichlorobenzene	180	13.822	13.822	0.000	98	1311423	10.0	10.5	
152 1,2,4-Trichlorobenzene	180	14.249	14.249	0.000	94	1012602	10.0	10.7	
153 Hexachlorobutadiene	225	14.328	14.328	0.000	97	565005	10.0	10.4	
154 Naphthalene	128	14.426	14.426	0.000	97	1310516	10.0	10.9	
155 1,2,3-Trichlorobenzene	180	14.572	14.572	0.000	96	748719	10.0	10.7	
156 2-Methylnaphthalene	142	15.176	15.176	0.000	92	481917	10.0	12.0	
167 Pentane	43	2.843	2.843	0.000	96	702096	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00117	Amount Added: 10.00	Units: uL	
MSV_LL_GAS826_00194	Amount Added: 10.00	Units: uL	
MSV_LL_#2_826_00127	Amount Added: 10.00	Units: uL	
MSV_HP25_ISSS_00084	Amount Added: 1.00	Units: uL	Run Reagent

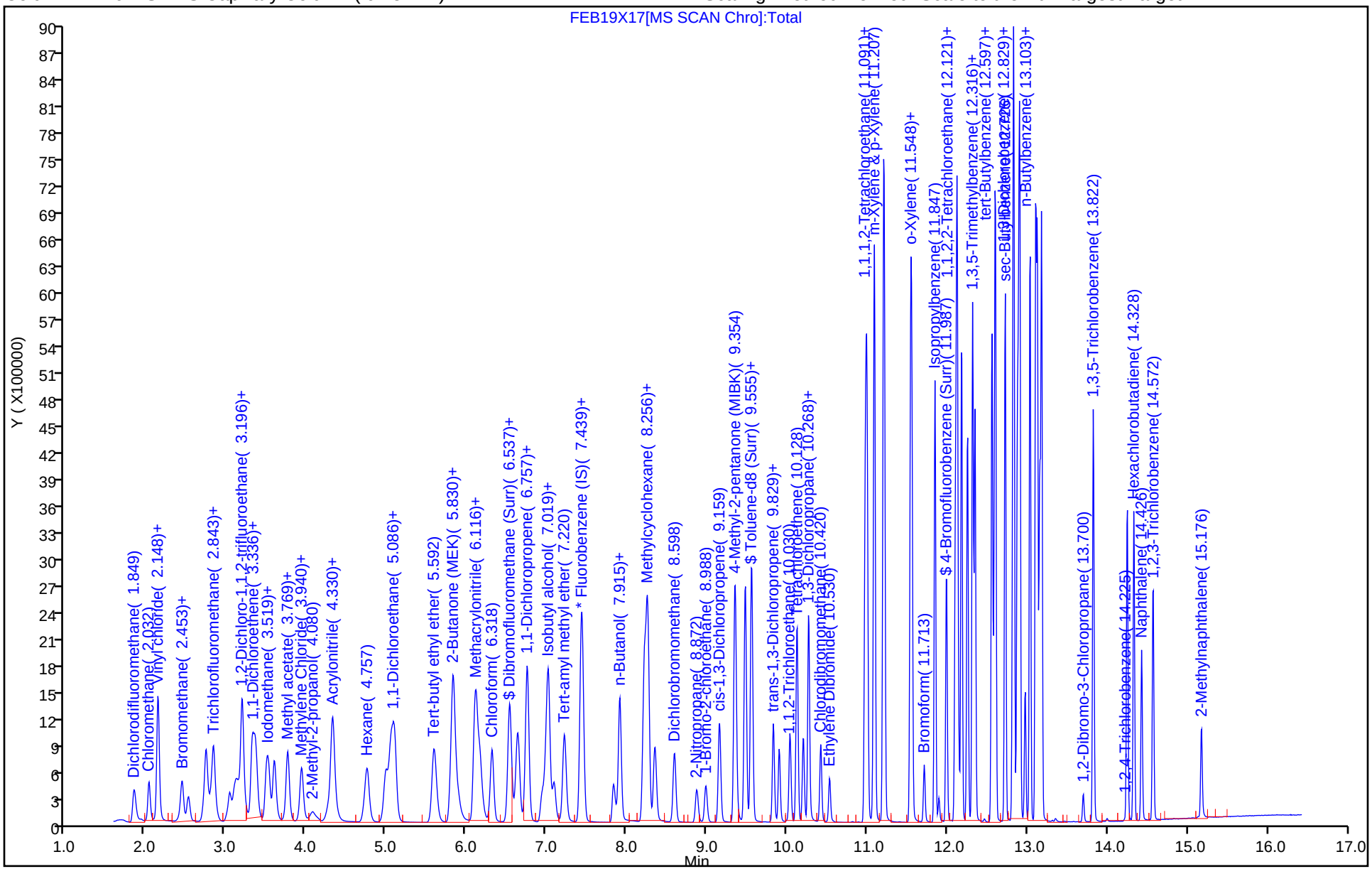
Report Date: 26-Feb-2024 13:06:54 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X17.D

Injection Date:	20-Feb-2024 04:31:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	ICIS std6			Worklist Smp#:	18
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

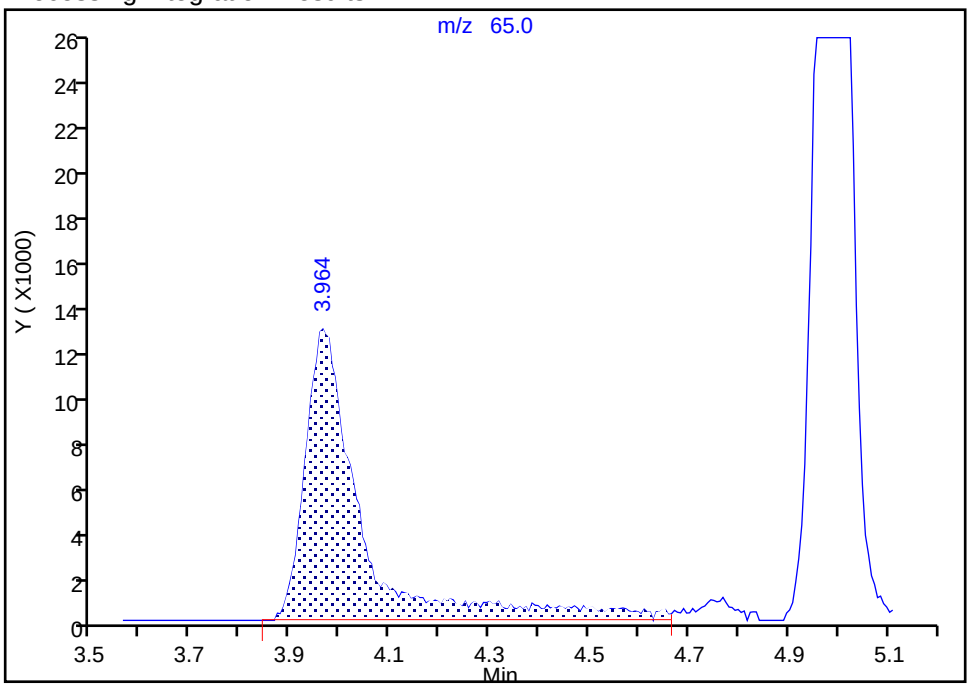
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X17.D
Injection Date: 20-Feb-2024 04:31:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

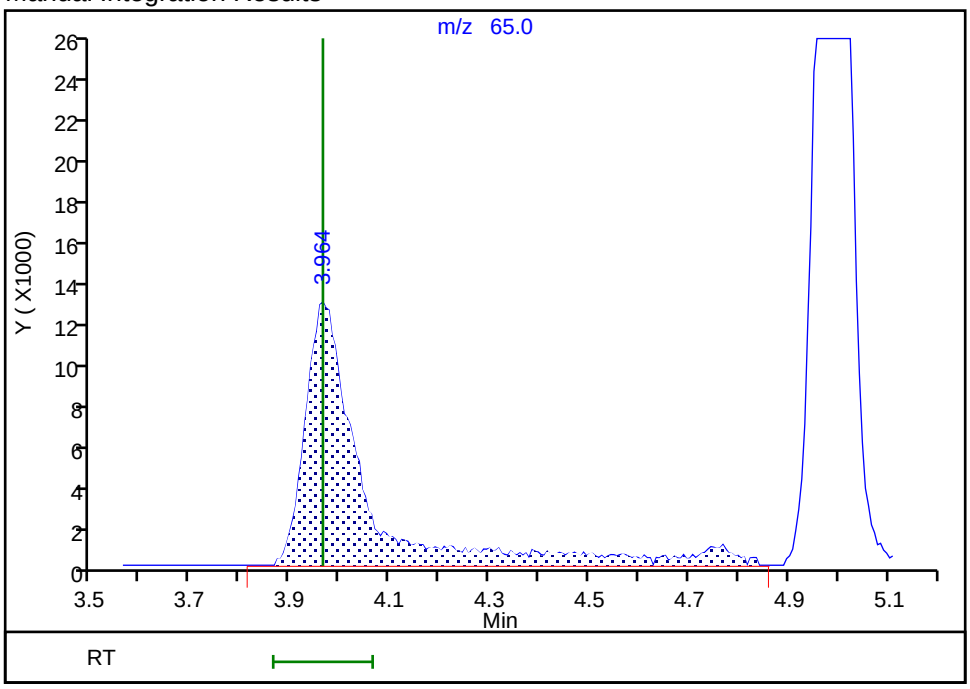
Processing Integration Results

RT: 3.96
Area: 100717
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.96
Area: 106160
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:17:07 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

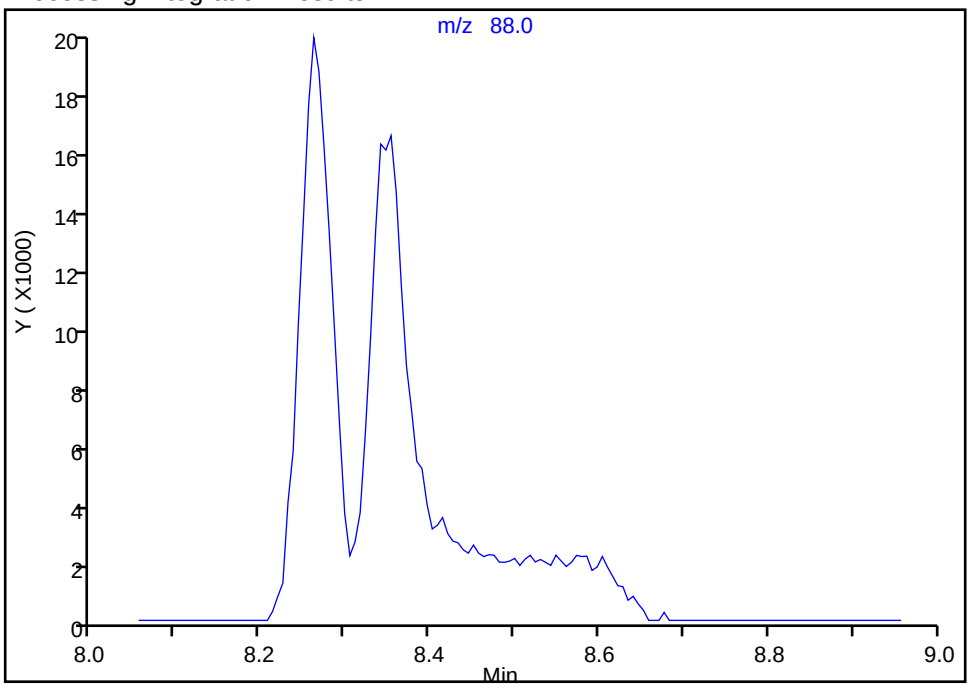
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X17.D
Injection Date: 20-Feb-2024 04:31:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

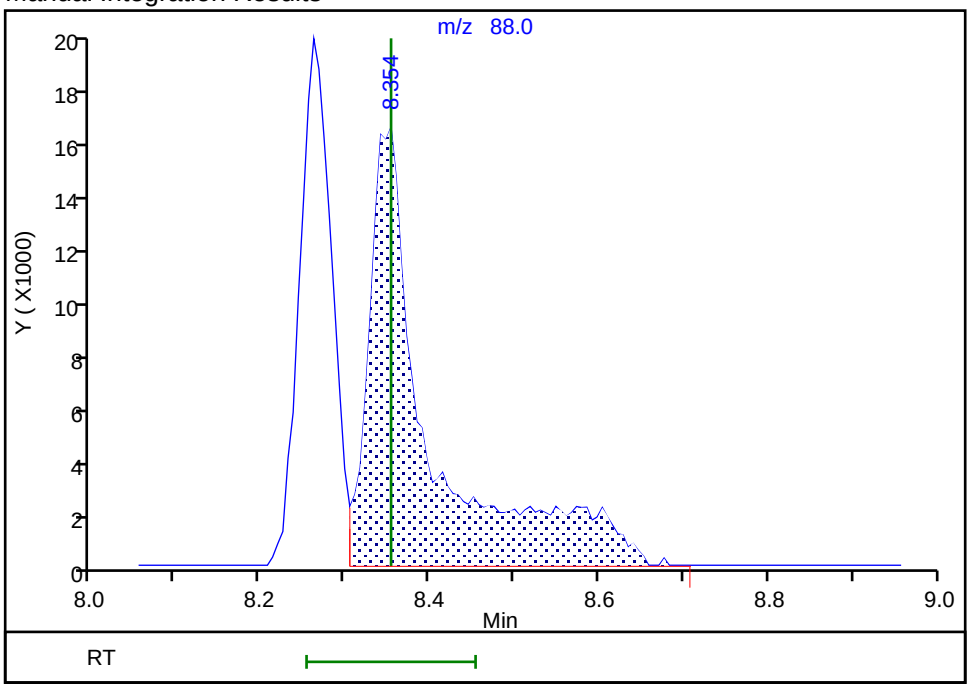
Not Detected
Expected RT: 8.35

Processing Integration Results



Manual Integration Results

RT: 8.35
Area: 82688
Amount: 533.3261
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:16:46 -05:00:00 (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\16334\20240219-106710.b\FEB19X18.D
Lims ID: IC std7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 20-Feb-2024 04:53:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106710-019
Misc. Info.: IC STD7
Operator ID: gaw91131 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Feb-2024 13:08:08 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 26-Feb-2024 10:30:26

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	2 Dichlorodifluoromethane	85	1.843	1.843	0.000	99	1715191	25.0	23.2	
	5 Chloromethane	50	2.026	2.026	0.000	99	1572954	25.0	22.4	
	6 Vinyl chloride	62	2.135	2.135	0.000	98	1599284	25.0	23.2	
	7 Butadiene	39	2.142	2.135	0.007	94	1538804	25.0	22.8	
	9 Bromomethane	94	2.440	2.440	0.000	91	1266258	25.0	23.7	
	10 Chloroethane	64	2.519	2.513	0.006	100	962111	25.0	23.6	
	11 Dichlorofluoromethane	67	2.733	2.739	-0.006	97	2708086	25.0	23.0	
	12 Trichlorofluoromethane	101	2.806	2.812	-0.006	98	2225438	25.0	23.5	
	13 Ethyl ether	59	3.032	3.032	0.000	91	790466	25.0	25.3	
	16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.111	3.111	0.000	90	1519318	25.0	23.6	
	17 Acrolein	56	3.190	3.190	0.000	99	5678602	1250.0	1321.9	
	18 1,1-Dichloroethene	96	3.312	3.312	0.000	98	1170177	25.0	24.7	
	19 Acetone	43	3.349	3.349	0.000	99	1457412	250.0	234.1	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.355	3.355	0.000	91	1253647	25.0	25.7	
	22 Iodomethane	142	3.495	3.495	0.000	99	2500879	25.0	25.5	
	21 Isopropyl alcohol	45	3.513	3.519	-0.006	40	470879	500.0	490.4	
	23 Ethyl bromide	108	3.519	3.519	0.000	99	1113287	25.0	25.7	
	24 Carbon disulfide	76	3.592	3.592	0.000	99	4063880	25.0	25.2	
	25 Methyl acetate	43	3.739	3.745	-0.006	97	401346	25.0	22.6	
	27 3-Chloro-1-propene	41	3.757	3.763	-0.006	89	1957223	25.0	25.0	
	29 Methylene Chloride	84	3.928	3.928	0.000	89	1285588	25.0	24.9	
*	30 t-Butyl alcohol-d10 (IS)	65	3.958	3.952	0.006	97	112922	50.0	50.0	M
	31 2-Methyl-2-propanol	59	4.068	4.062	0.006	99	976719	500.0	441.6	
	32 Acrylonitrile	53	4.257	4.263	-0.006	98	482323	62.5	64.1	
	33 Methyl tert-butyl ether	73	4.312	4.318	-0.006	95	2808916	25.0	24.7	
	34 trans-1,2-Dichloroethene	96	4.318	4.324	-0.006	98	1414868	25.0	24.9	
	35 Hexane	57	4.745	4.751	-0.006	94	1623025	25.0	25.4	
	37 1,1-Dichloroethane	63	4.982	4.982	0.000	96	2345830	25.0	24.6	
	38 Isopropyl ether	45	5.049	5.050	-0.001	93	4033901	25.0	25.4	
	39 2-Chloro-1,3-butadiene	53	5.092	5.098	-0.006	92	2084476	25.0	25.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.592	5.586	0.006	97	3702468	25.0	25.0	
41 2-Butanone (MEK)	43	5.805	5.812	-0.007	100	2317915	250.0	237.4	
42 cis-1,2-Dichloroethene	96	5.824	5.824	0.000	81	1578354	25.0	24.8	
43 2,2-Dichloropropane	77	5.836	5.842	-0.006	88	2225780	25.0	25.1	
45 Propionitrile	54	5.891	5.897	-0.006	99	1406861	500.0	509.7	
48 Methacrylonitrile	67	6.104	6.110	-0.006	94	2563175	250.0	245.8	
49 Chlorobromomethane	128	6.153	6.153	0.000	85	636904	25.0	25.7	
S 47 1,2-Dichloroethene, Total	100				0			49.7	
50 Tetrahydrofuran	71	6.183	6.183	0.000	78	356438	125.0	127.9	
51 Chloroform	83	6.311	6.311	0.000	93	2566192	25.0	24.4	
$ 52 Dibromofluoromethane (Surr)	113	6.531	6.525	0.006	93	563500	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.537	6.537	0.000	97	2330086	25.0	25.1	
54 Cyclohexane	56	6.635	6.635	0.000	90	2065778	25.0	25.7	
55 Carbon tetrachloride	117	6.750	6.750	0.000	97	2088649	25.0	25.6	
56 1,1-Dichloropropene	75	6.750	6.757	-0.006	96	1899259	25.0	25.3	
58 Isobutyl alcohol	41	6.939	6.939	0.000	93	841152	1250.0	1366.0	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.988	6.982	0.006	74	101308	10.0	10.1	
60 Benzene	78	7.019	7.019	0.000	96	5667983	25.0	25.2	
61 1,2-Dichloroethane	62	7.092	7.086	0.006	98	1434709	25.0	25.0	
63 Tert-amyl methyl ether	73	7.220	7.220	0.000	98	3213670	25.0	25.4	
* 64 Fluorobenzene (IS)	96	7.427	7.427	0.000	99	2331817	10.0	10.0	
65 n-Heptane	43	7.445	7.439	0.006	94	1676273	25.0	25.2	
67 n-Butanol	56	7.829	7.842	-0.013	88	1250265	2187.5	2504.5	
68 Trichloroethene	95	7.909	7.909	0.000	98	1576388	25.0	25.2	
69 Methylcyclohexane	83	8.214	8.214	0.000	91	2299266	25.0	26.1	
70 1,2-Dichloropropane	63	8.238	8.238	0.000	94	1352596	25.0	25.6	
71 2-ethoxy-2-methyl butane	87	8.262	8.262	0.000	94	2344502	25.0	26.0	
72 Methyl methacrylate	69	8.342	8.348	-0.006	88	515786	25.0	26.5	
73 1,4-Dioxane	88	8.342	8.348	-0.006	33	208281	1250.0	1262.9	M
74 Dibromomethane	93	8.354	8.354	0.000	93	652425	25.0	26.0	
76 Dichlorobromomethane	83	8.591	8.592	-0.001	99	1810558	25.0	26.3	
77 2-Nitropropane	41	8.872	8.872	0.000	99	855043	125.0	122.6	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	1174804	25.0	26.1	
81 cis-1,3-Dichloropropene	75	9.152	9.152	0.000	95	2114220	25.0	27.0	
82 4-Methyl-2-pentanone (MIBK)	43	9.347	9.347	0.000	97	6096558	250.0	248.5	
$ 83 Toluene-d8 (Surr)	98	9.475	9.475	0.000	94	2286670	10.0	10.0	
84 Toluene	92	9.555	9.555	0.000	98	3829664	25.0	25.1	
85 trans-1,3-Dichloropropene	75	9.829	9.829	0.000	94	1719580	25.0	27.5	
86 Ethyl methacrylate	69	9.902	9.902	0.000	88	1201377	25.0	28.8	
107 1,1,2-Trichloroethane	97	10.036	10.036	0.000	91	886374	25.0	25.5	
S 106 1,3-Dichloropropene, Total	100				0			54.5	
108 Tetrachloroethene	166	10.128	10.122	0.006	98	1844914	25.0	25.4	
109 1,3-Dichloropropane	76	10.201	10.201	0.000	91	1485453	25.0	25.2	
110 2-Hexanone	43	10.268	10.274	-0.006	96	4124892	250.0	270.6	
112 Chlorodibromomethane	129	10.420	10.420	0.000	89	1255169	25.0	27.0	
113 Ethylene Dibromide	107	10.530	10.530	0.000	98	875201	25.0	26.6	
* 114 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	85	1759422	10.0	10.0	
115 1-Chlorohexane	91	10.987	10.987	0.000	96	2086778	25.0	24.5	
116 Chlorobenzene	112	11.000	11.000	0.000	96	4412166	25.0	25.5	
117 1,1,1,2-Tetrachloroethane	131	11.085	11.085	0.000	95	1641733	25.0	26.6	
118 Ethylbenzene	91	11.091	11.091	0.000	98	7798430	25.0	25.7	
120 m-Xylene & p-Xylene	106	11.213	11.213	0.000	99	6220275	50.0	52.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 119 Xylenes, Total	106				0			78.1	
121 o-Xylene	106	11.542	11.542	0.000	96	3064782	25.0	26.0	
122 Styrene	104	11.560	11.560	0.000	95	5074971	25.0	27.5	
123 Bromoform	173	11.713	11.713	0.000	97	764498	25.0	27.9	
124 Isopropylbenzene	105	11.847	11.847	0.000	96	7382541	25.0	25.6	
$ 127 4-Bromofluorobenzene (Surr)	95	11.987	11.987	0.000	94	844338	10.0	10.1	
128 1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	94	1057359	25.0	25.3	
129 Bromobenzene	156	12.103	12.103	0.000	96	1958916	25.0	25.0	
130 trans-1,4-Dichloro-2-butene	53	12.121	12.121	0.000	93	2984186	250.0	262.7	
131 1,2,3-Trichloropropane	110	12.140	12.140	0.000	80	299041	25.0	25.3	
132 N-Propylbenzene	91	12.176	12.176	0.000	99	9251973	25.0	24.7	
133 2-Chlorotoluene	126	12.255	12.255	0.000	97	2013892	25.0	25.0	
134 1,3,5-Trimethylbenzene	105	12.316	12.316	0.000	94	7016926	25.0	25.3	
135 4-Chlorotoluene	126	12.347	12.347	0.000	97	2122883	25.0	25.5	
136 tert-Butylbenzene	134	12.560	12.560	0.000	92	1631511	25.0	25.6	
137 Pentachloroethane	167	12.591	12.591	0.000	92	1273068	25.0	27.4	
138 1,2,4-Trimethylbenzene	105	12.603	12.603	0.000	97	7332575	25.0	25.7	
139 sec-Butylbenzene	105	12.725	12.725	0.000	94	8824142	25.0	24.8	
140 1,3-Dichlorobenzene	146	12.822	12.822	0.000	98	4157612	25.0	25.4	
141 4-Isopropyltoluene	119	12.835	12.835	0.000	96	8005810	25.0	25.4	
* 142 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	1037606	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.896	12.896	0.000	95	4161421	25.0	25.0	
144 1,2,3-Trimethylbenzene	120	12.908	12.908	0.000	98	3223999	25.0	25.1	
145 Benzyl chloride	126	12.975	12.975	0.000	98	526181	25.0	29.0	
146 p-Diethylbenzene	119	13.036	13.036	0.000	91	4767619	25.0	25.7	
147 n-Butylbenzene	92	13.127	13.127	0.000	97	4082012	25.0	26.0	
148 1,2-Dichlorobenzene	146	13.158	13.158	0.000	99	3633712	25.0	25.3	
150 1,2-Dibromo-3-Chloropropane	155	13.700	13.700	0.000	89	159282	25.0	27.7	
151 1,3,5-Trichlorobenzene	180	13.822	13.822	0.000	98	3298650	25.0	25.0	
152 1,2,4-Trichlorobenzene	180	14.243	14.249	-0.006	94	2565470	25.0	25.6	
153 Hexachlorobutadiene	225	14.328	14.328	0.000	97	1432331	25.0	24.9	
154 Naphthalene	128	14.426	14.432	-0.006	97	3255403	25.0	25.5	
155 1,2,3-Trichlorobenzene	180	14.572	14.572	0.000	96	1874918	25.0	25.3	
156 2-Methylnaphthalene	142	15.169	15.176	-0.007	93	1162942	25.0	27.3	
167 Pentane	43	2.830	2.830	0.000	95	1725736	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00117	Amount Added: 25.00	Units: uL	
MSV_LL_GAS826_00194	Amount Added: 25.00	Units: uL	
MSV_LL_#2_826_00127	Amount Added: 25.00	Units: uL	
MSV_HP25_ISSS_00084	Amount Added: 1.00	Units: uL	Run Reagent

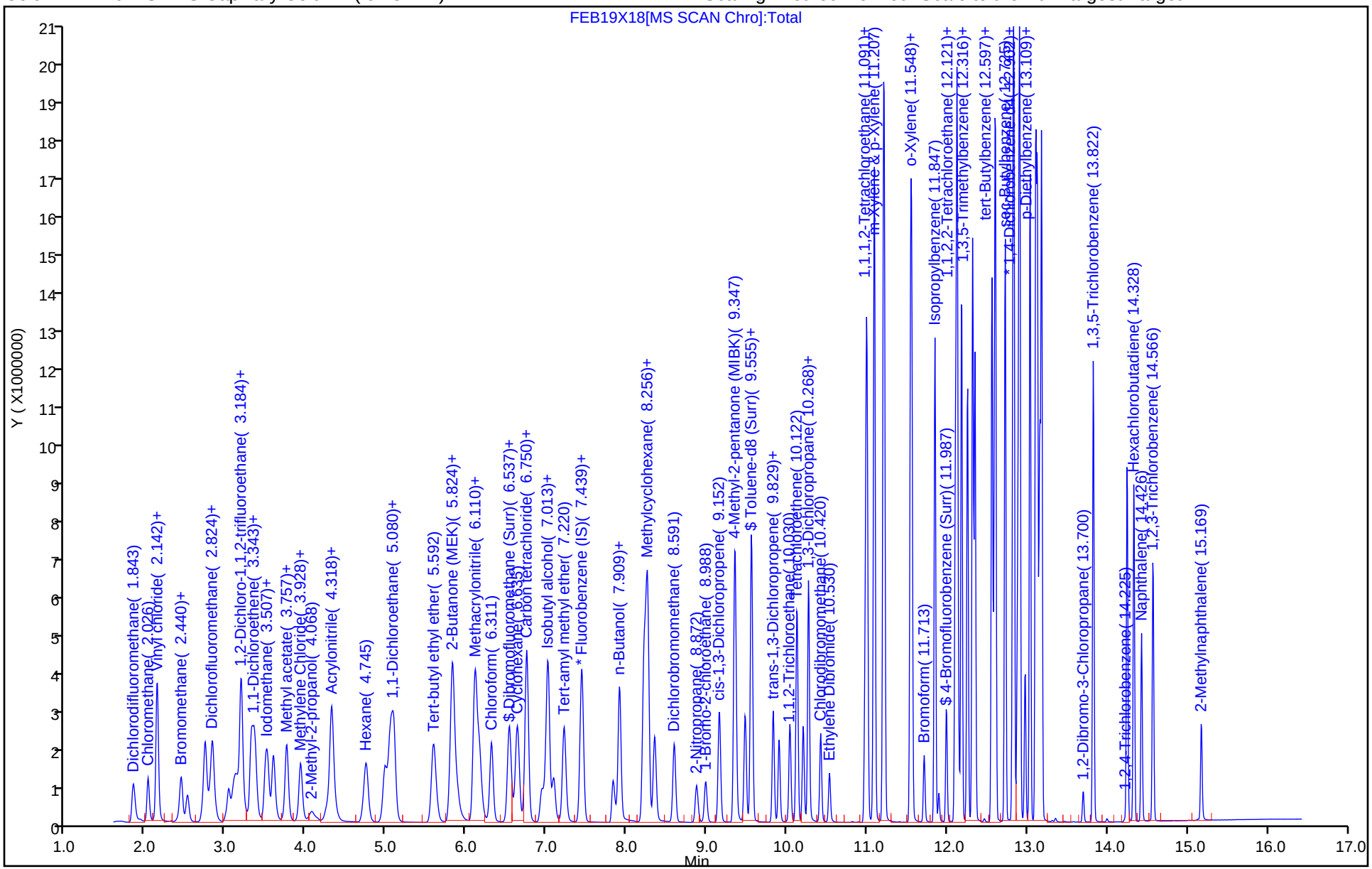
Report Date: 26-Feb-2024 13:08:09 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Injection Date:	20-Feb-2024 04:53:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	IC std7			Worklist Smp#:	19
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

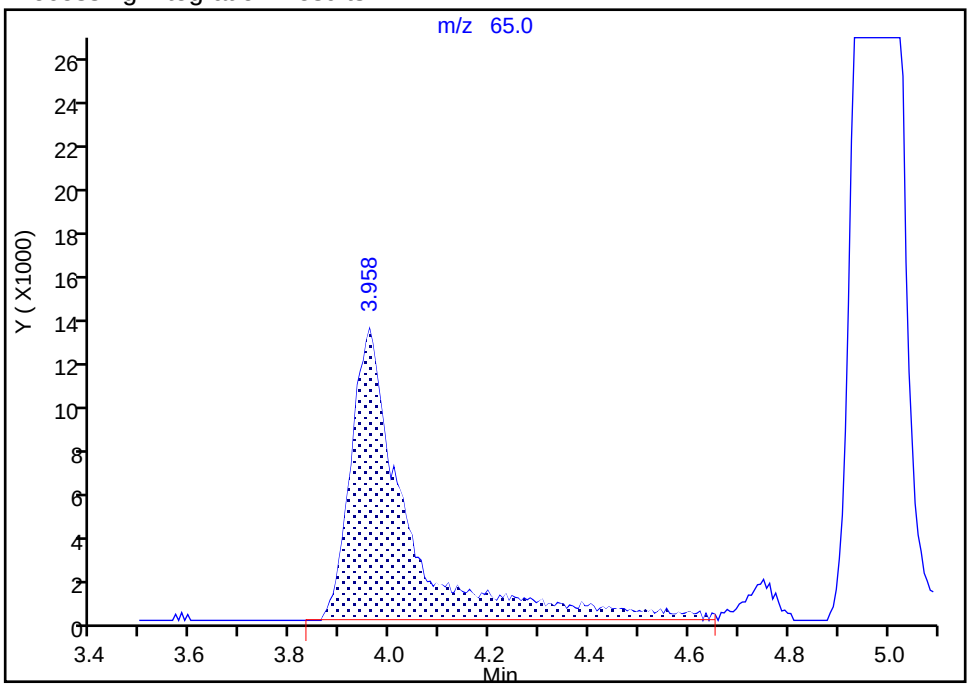
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D
Injection Date: 20-Feb-2024 04:53:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

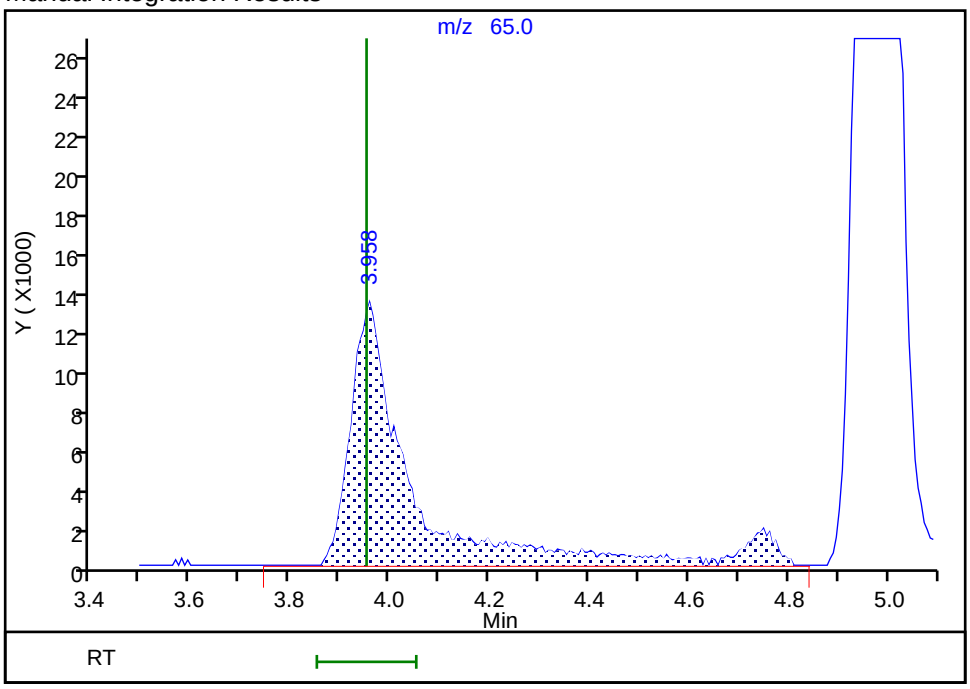
Processing Integration Results

RT: 3.96
Area: 105073
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.96
Area: 112922
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:29:19 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

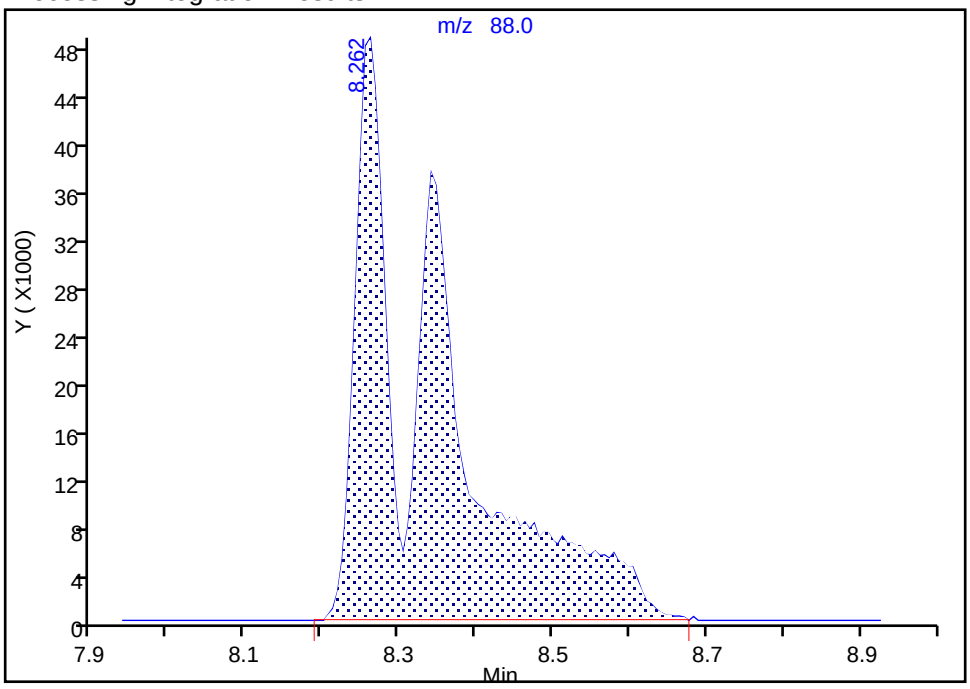
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D
Injection Date: 20-Feb-2024 04:53:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

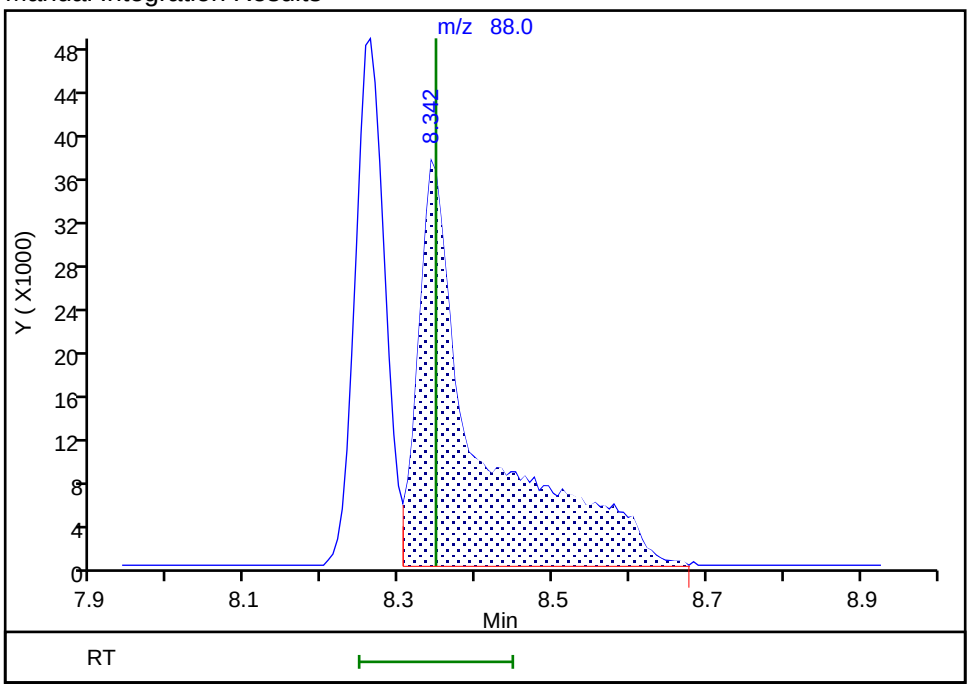
Processing Integration Results

RT: 8.26
Area: 337158
Amount: 2179.9460
Amount Units: ug/l



Manual Integration Results

RT: 8.34
Area: 208281
Amount: 1262.9388
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:30:06 -05:00:00 (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

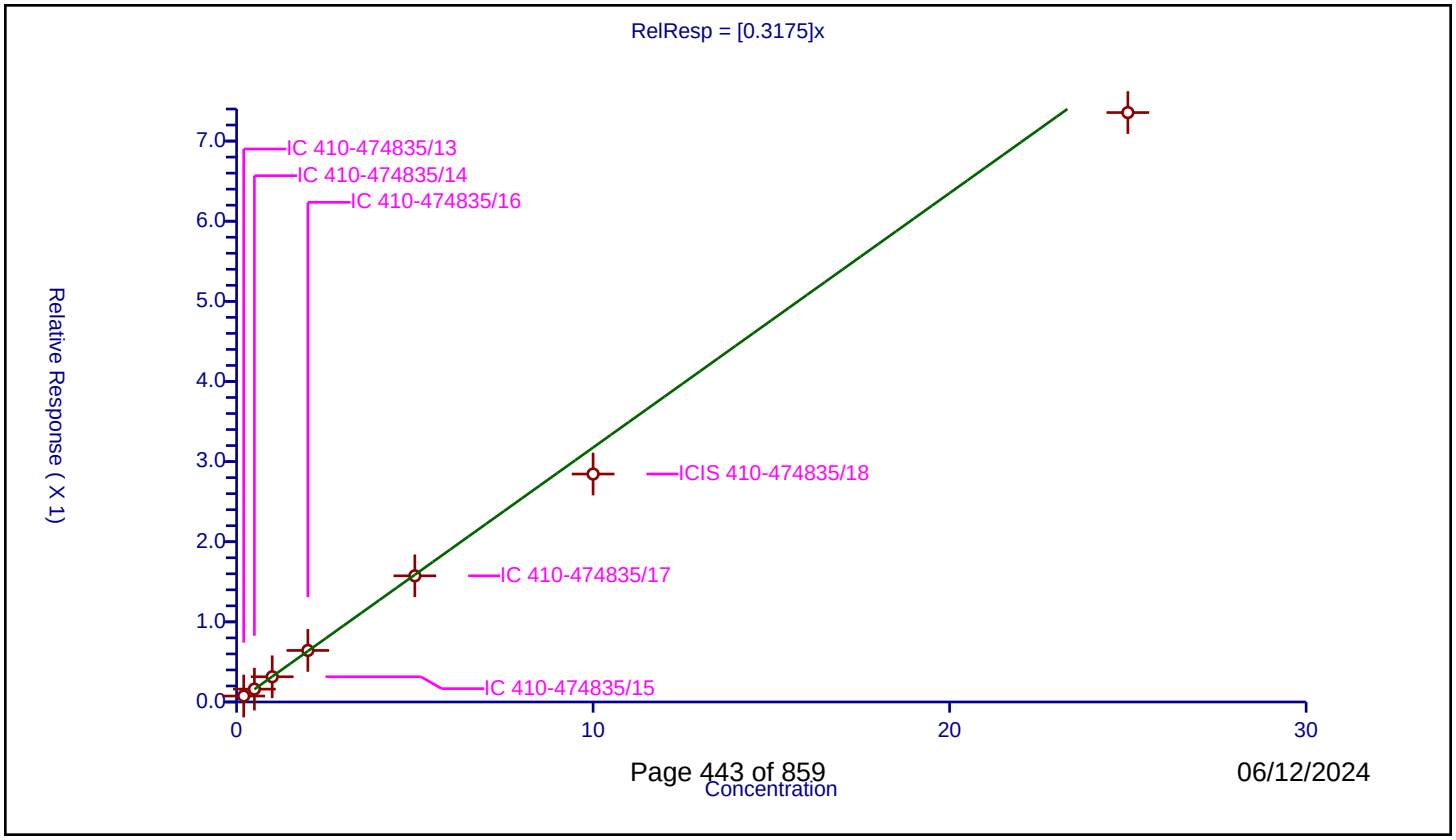
Curve Coefficients

Intercept:	0
Slope:	0.3175

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.074315	10.0	2065535.0	0.371574	Y
2	IC 410-474835/14	0.5	0.160625	10.0	2166842.0	0.321251	Y
3	IC 410-474835/15	1.0	0.314705	10.0	2218490.0	0.314705	Y
4	IC 410-474835/16	2.0	0.643283	10.0	2161085.0	0.321642	Y
5	IC 410-474835/17	5.0	1.574183	10.0	2194446.0	0.314837	Y
6	ICIS 410-474835/18	10.0	2.844804	10.0	2265991.0	0.28448	Y
7	IC 410-474835/19	25.0	7.355599	10.0	2331817.0	0.294224	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

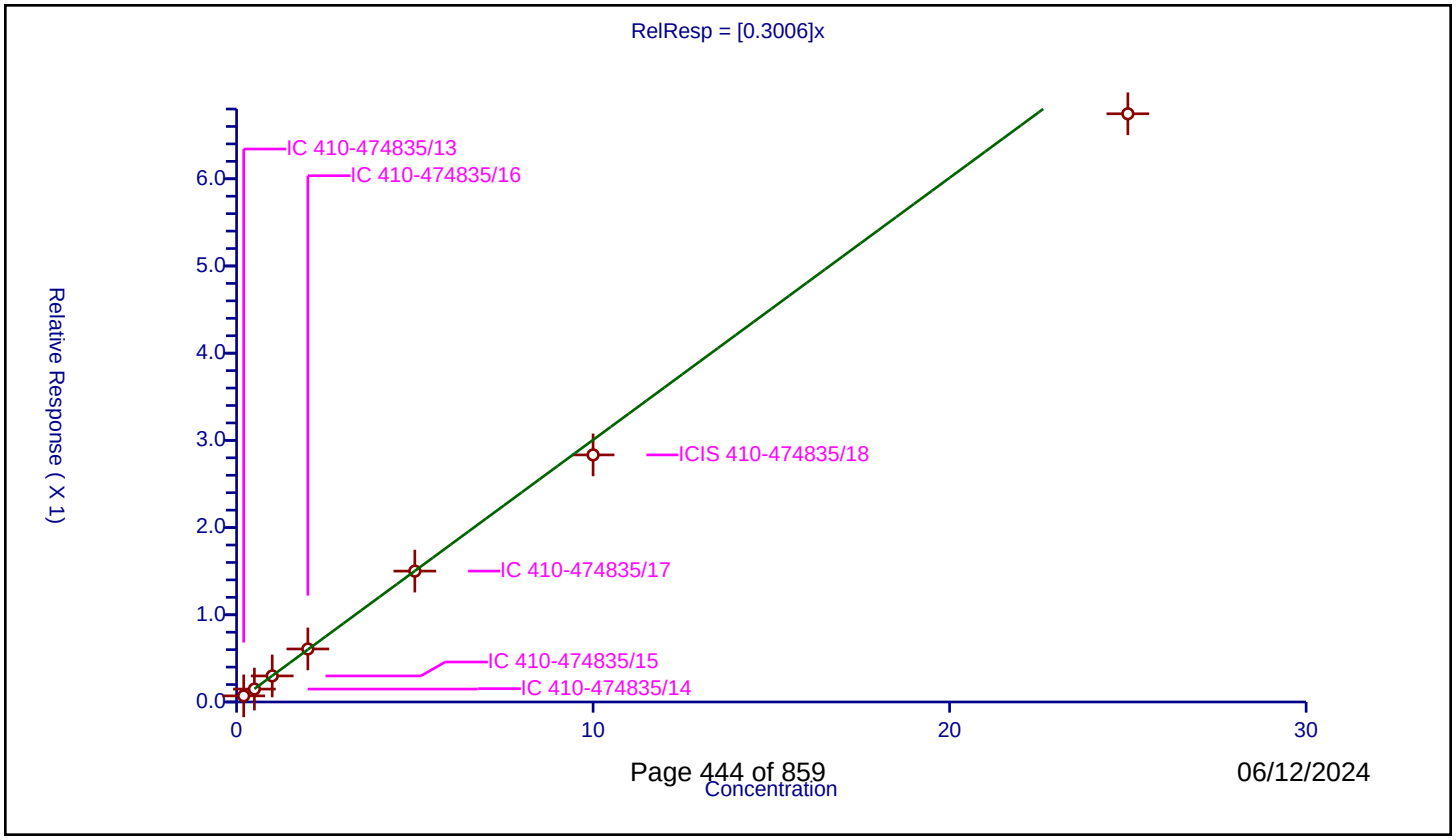
Curve Coefficients

Intercept:	0
Slope:	0.3006

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.070243	10.0	2065535.0	0.351217	Y
2	IC 410-474835/14	0.5	0.148197	10.0	2166842.0	0.296394	Y
3	IC 410-474835/15	1.0	0.298969	10.0	2218490.0	0.298969	Y
4	IC 410-474835/16	2.0	0.607991	10.0	2161085.0	0.303995	Y
5	IC 410-474835/17	5.0	1.500962	10.0	2194446.0	0.300192	Y
6	ICIS 410-474835/18	10.0	2.833484	10.0	2265991.0	0.283348	Y
7	IC 410-474835/19	25.0	6.745615	10.0	2331817.0	0.269825	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

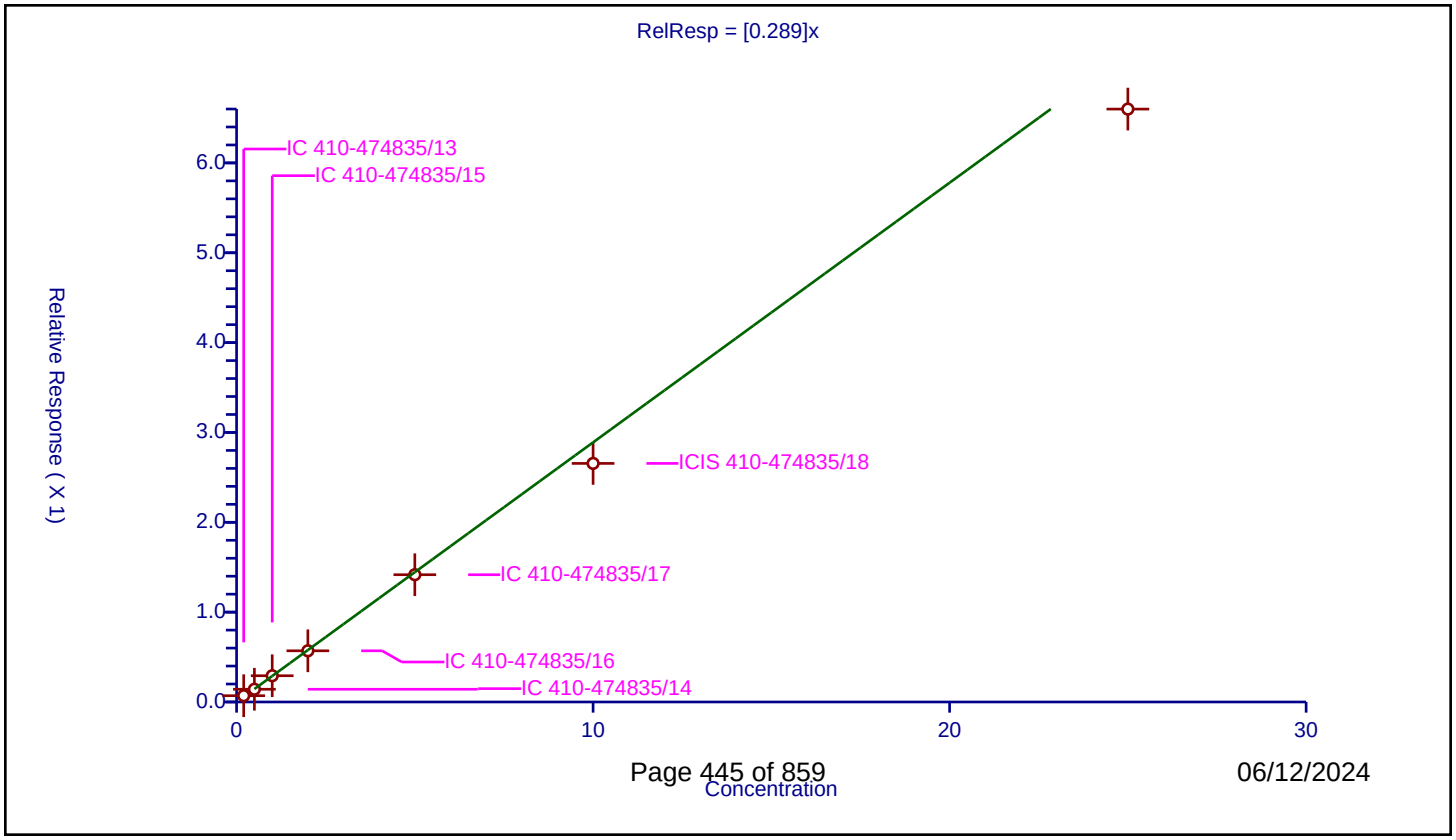
Curve Coefficients

Intercept:	0
Slope:	0.289

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.069943	10.0	2065535.0	0.349716	Y
2	IC 410-474835/14	0.5	0.141649	10.0	2166842.0	0.283297	Y
3	IC 410-474835/15	1.0	0.292077	10.0	2218490.0	0.292077	Y
4	IC 410-474835/16	2.0	0.569746	10.0	2161085.0	0.284873	Y
5	IC 410-474835/17	5.0	1.416631	10.0	2194446.0	0.283326	Y
6	ICIS 410-474835/18	10.0	2.655496	10.0	2265991.0	0.26555	Y
7	IC 410-474835/19	25.0	6.599163	10.0	2331817.0	0.263967	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

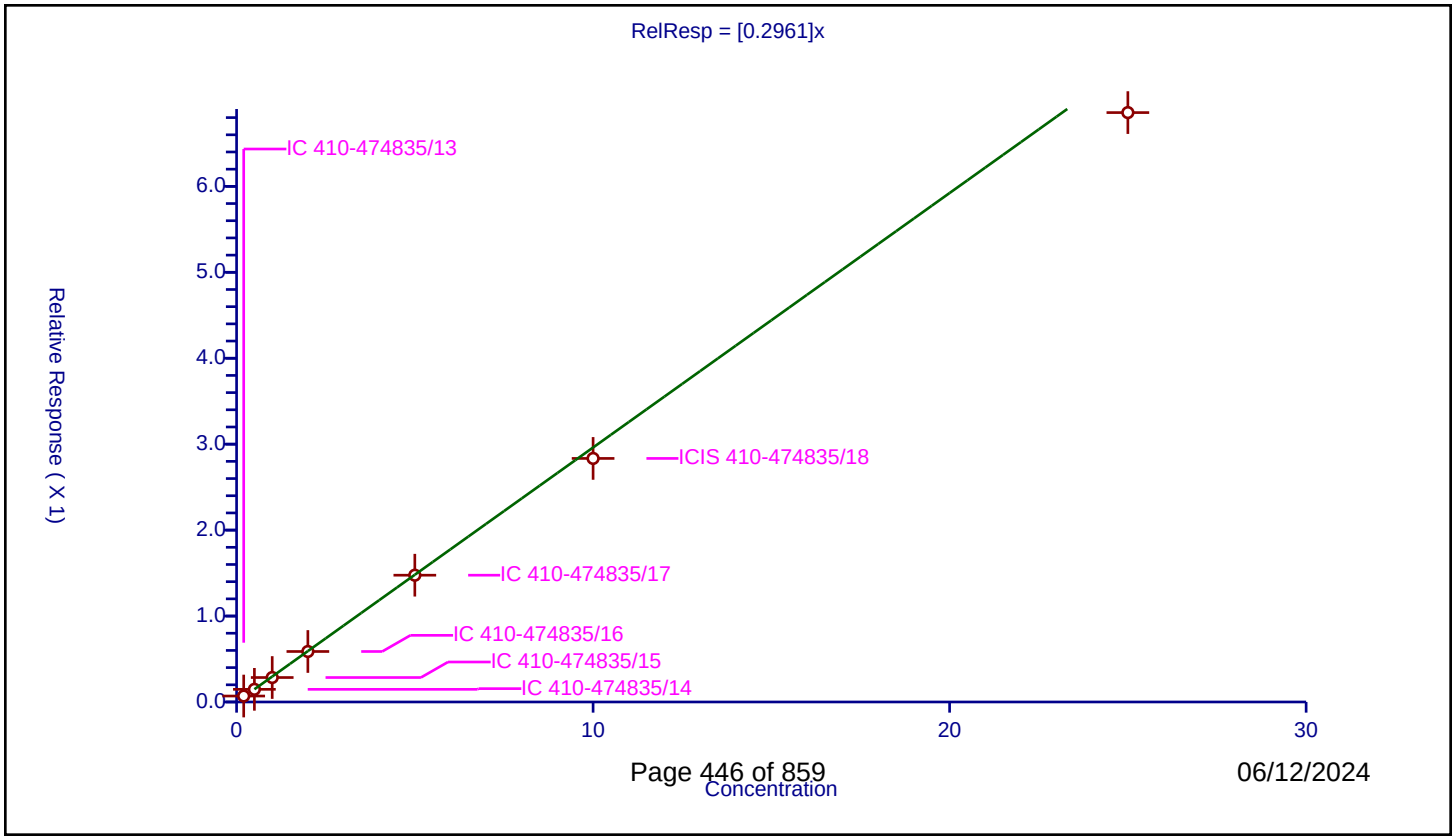
Curve Coefficients

Intercept:	0
Slope:	0.2961

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.069411	10.0	2065535.0	0.347053	Y
2	IC 410-474835/14	0.5	0.147283	10.0	2166842.0	0.294567	Y
3	IC 410-474835/15	1.0	0.284599	10.0	2218490.0	0.284599	Y
4	IC 410-474835/16	2.0	0.587621	10.0	2161085.0	0.293811	Y
5	IC 410-474835/17	5.0	1.475393	10.0	2194446.0	0.295079	Y
6	ICIS 410-474835/18	10.0	2.83419	10.0	2265991.0	0.283419	Y
7	IC 410-474835/19	25.0	6.858531	10.0	2331817.0	0.274341	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

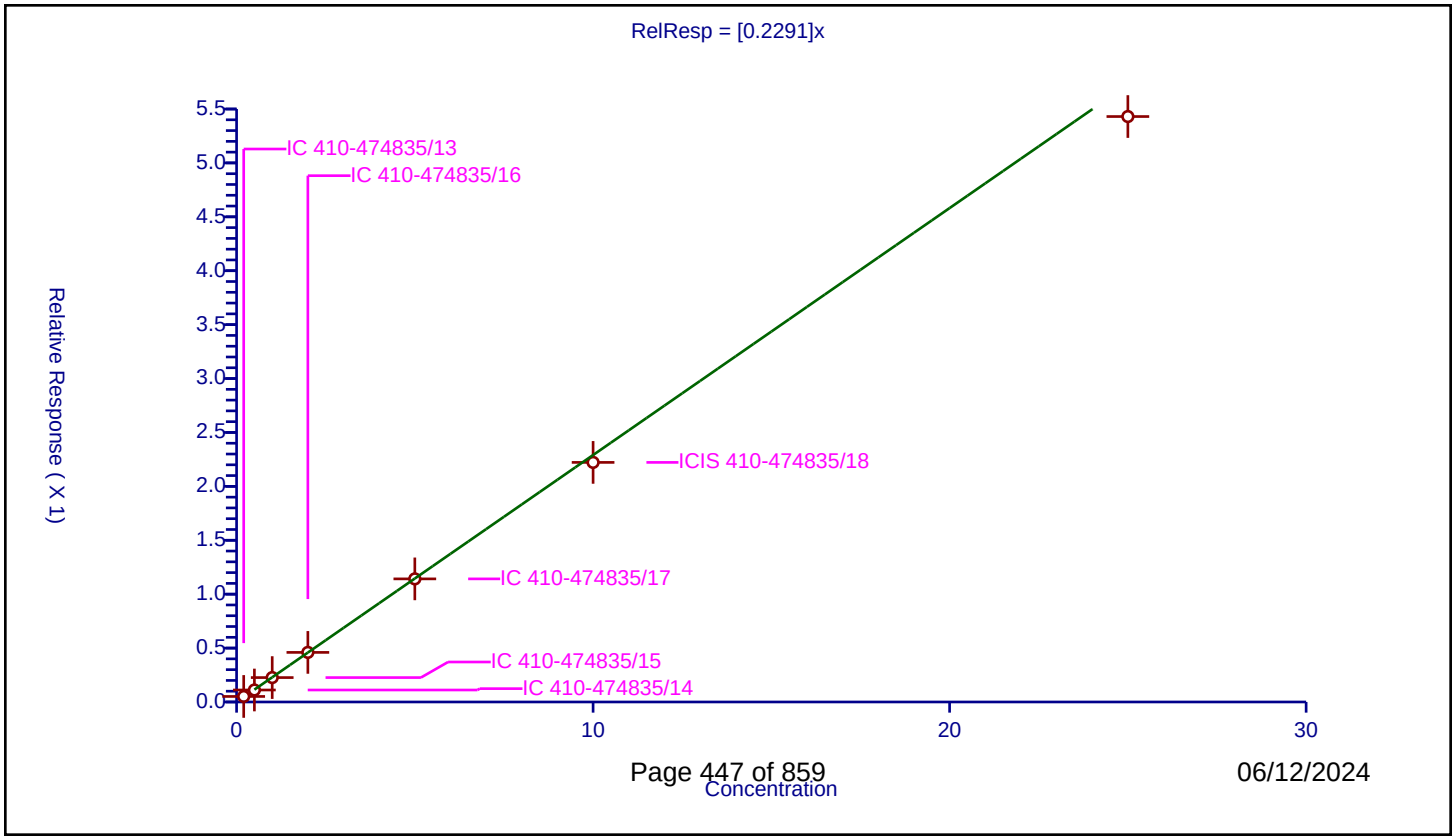
Curve Coefficients

Intercept:	0
Slope:	0.2291

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.051328	10.0	2065535.0	0.256641	Y
2	IC 410-474835/14	0.5	0.111189	10.0	2166842.0	0.222379	Y
3	IC 410-474835/15	1.0	0.226541	10.0	2218490.0	0.226541	Y
4	IC 410-474835/16	2.0	0.459987	10.0	2161085.0	0.229993	Y
5	IC 410-474835/17	5.0	1.141942	10.0	2194446.0	0.228388	Y
6	ICIS 410-474835/18	10.0	2.222189	10.0	2265991.0	0.222219	Y
7	IC 410-474835/19	25.0	5.430349	10.0	2331817.0	0.217214	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

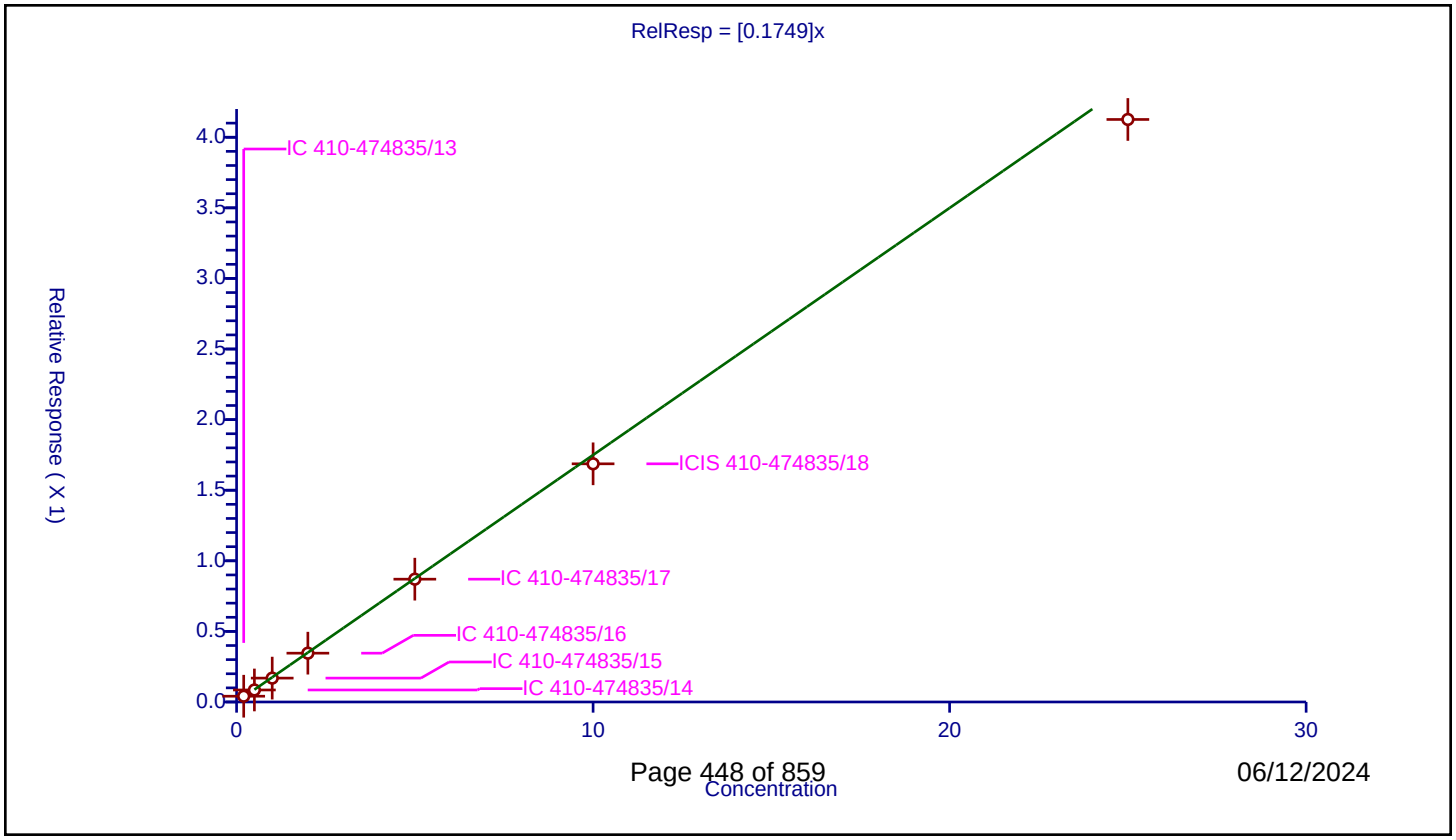
Curve Coefficients

Intercept:	0
Slope:	0.1749

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.040919	10.0	2065535.0	0.204596	Y
2	IC 410-474835/14	0.5	0.085175	10.0	2166842.0	0.170349	Y
3	IC 410-474835/15	1.0	0.169106	10.0	2218490.0	0.169106	Y
4	IC 410-474835/16	2.0	0.345757	10.0	2161085.0	0.172878	Y
5	IC 410-474835/17	5.0	0.869914	10.0	2194446.0	0.173983	Y
6	ICIS 410-474835/18	10.0	1.686931	10.0	2265991.0	0.168693	Y
7	IC 410-474835/19	25.0	4.126014	10.0	2331817.0	0.165041	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

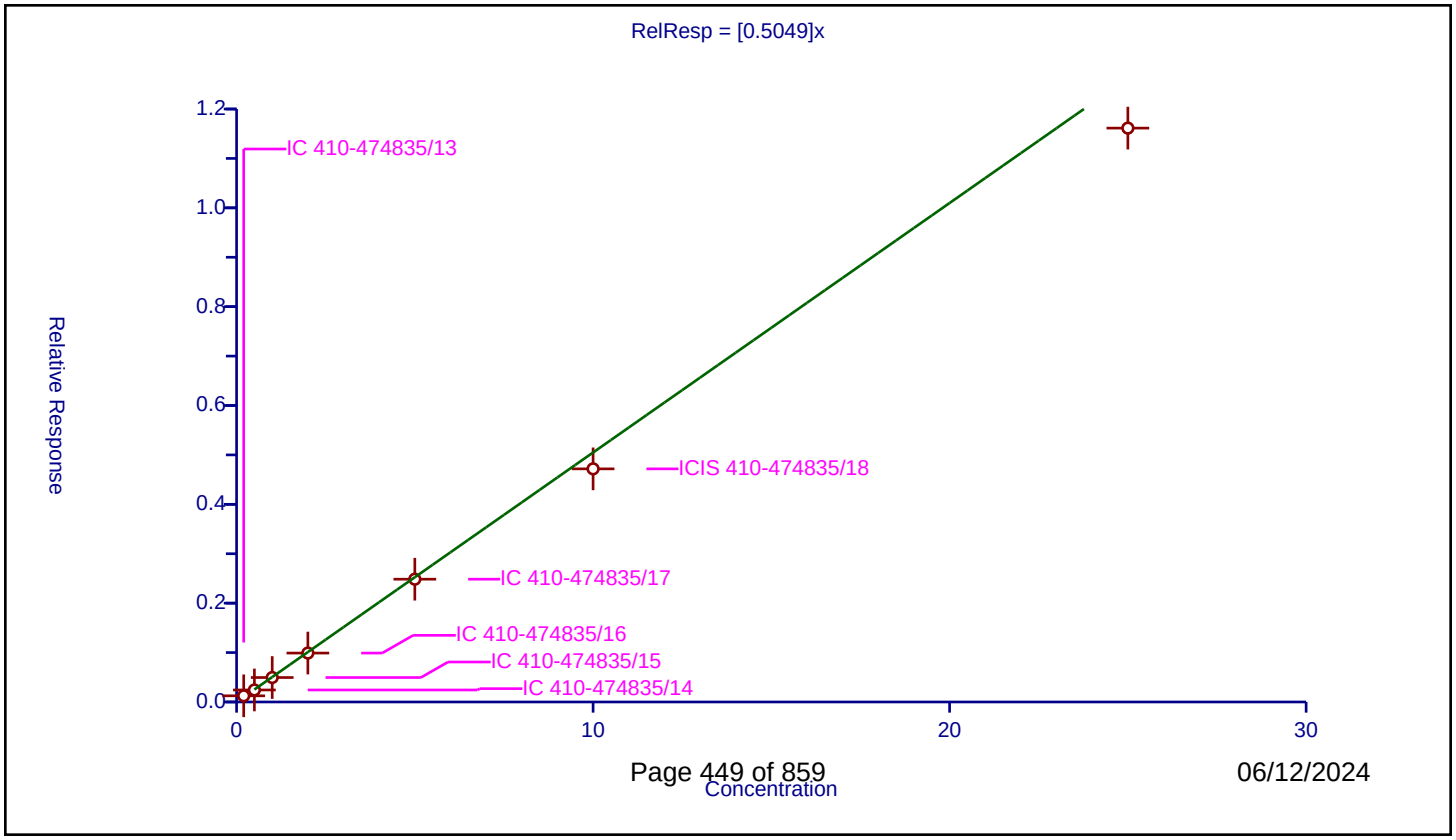
Curve Coefficients

Intercept:	0
Slope:	0.5049

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.124888	10.0	2065535.0	0.624439	Y
2	IC 410-474835/14	0.5	0.243165	10.0	2166842.0	0.48633	Y
3	IC 410-474835/15	1.0	0.495026	10.0	2218490.0	0.495026	Y
4	IC 410-474835/16	2.0	0.990179	10.0	2161085.0	0.495089	Y
5	IC 410-474835/17	5.0	2.485001	10.0	2194446.0	0.497	Y
6	ICIS 410-474835/18	10.0	4.718046	10.0	2265991.0	0.471805	Y
7	IC 410-474835/19	25.0	11.61363	10.0	2331817.0	0.464545	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

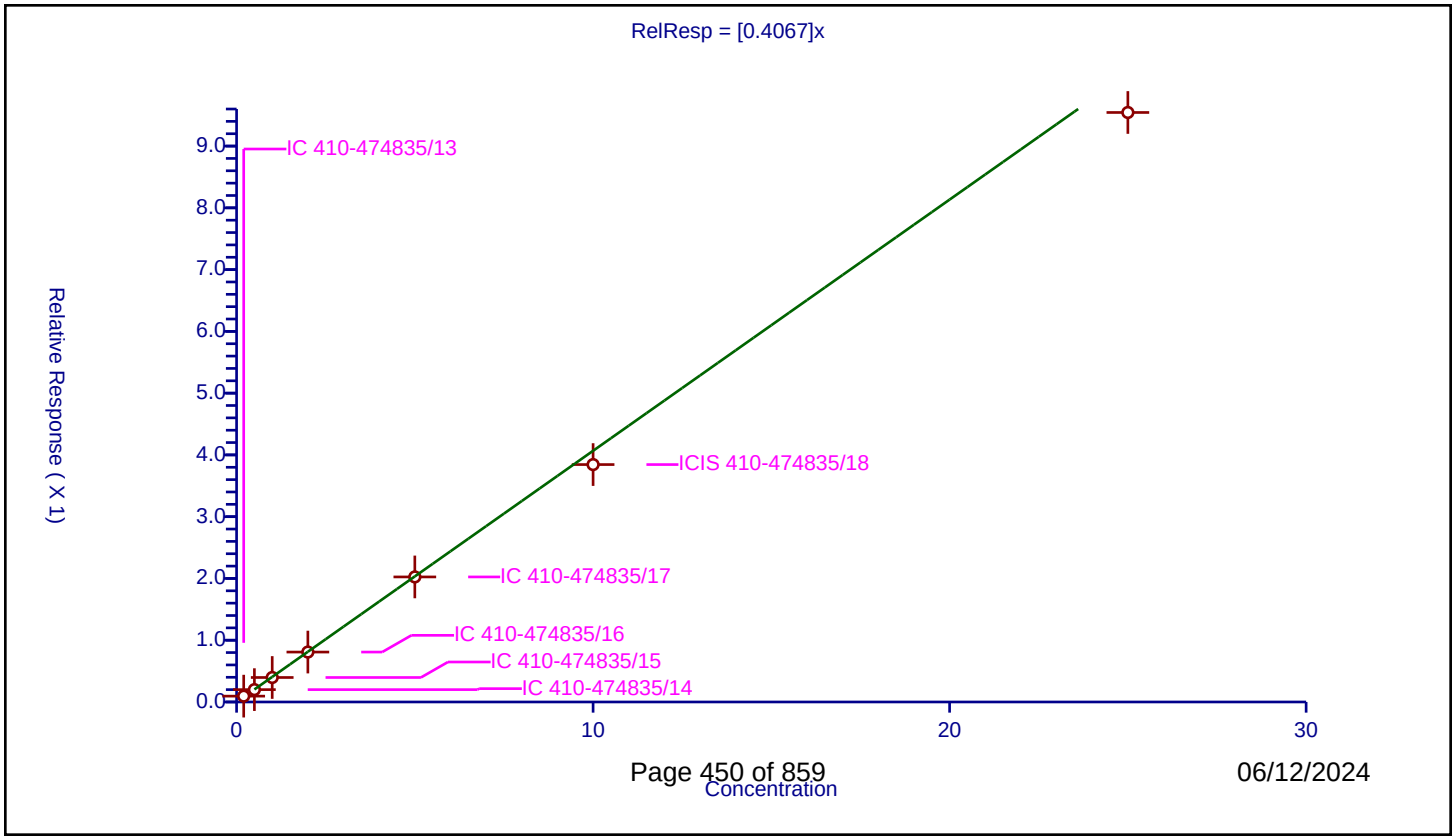
Curve Coefficients

Intercept:	0
Slope:	0.4067

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.094963	10.0	2065535.0	0.474816	Y
2	IC 410-474835/14	0.5	0.200024	10.0	2166842.0	0.400048	Y
3	IC 410-474835/15	1.0	0.396522	10.0	2218490.0	0.396522	Y
4	IC 410-474835/16	2.0	0.808478	10.0	2161085.0	0.404239	Y
5	IC 410-474835/17	5.0	2.024698	10.0	2194446.0	0.40494	Y
6	ICIS 410-474835/18	10.0	3.843625	10.0	2265991.0	0.384363	Y
7	IC 410-474835/19	25.0	9.543794	10.0	2331817.0	0.381752	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

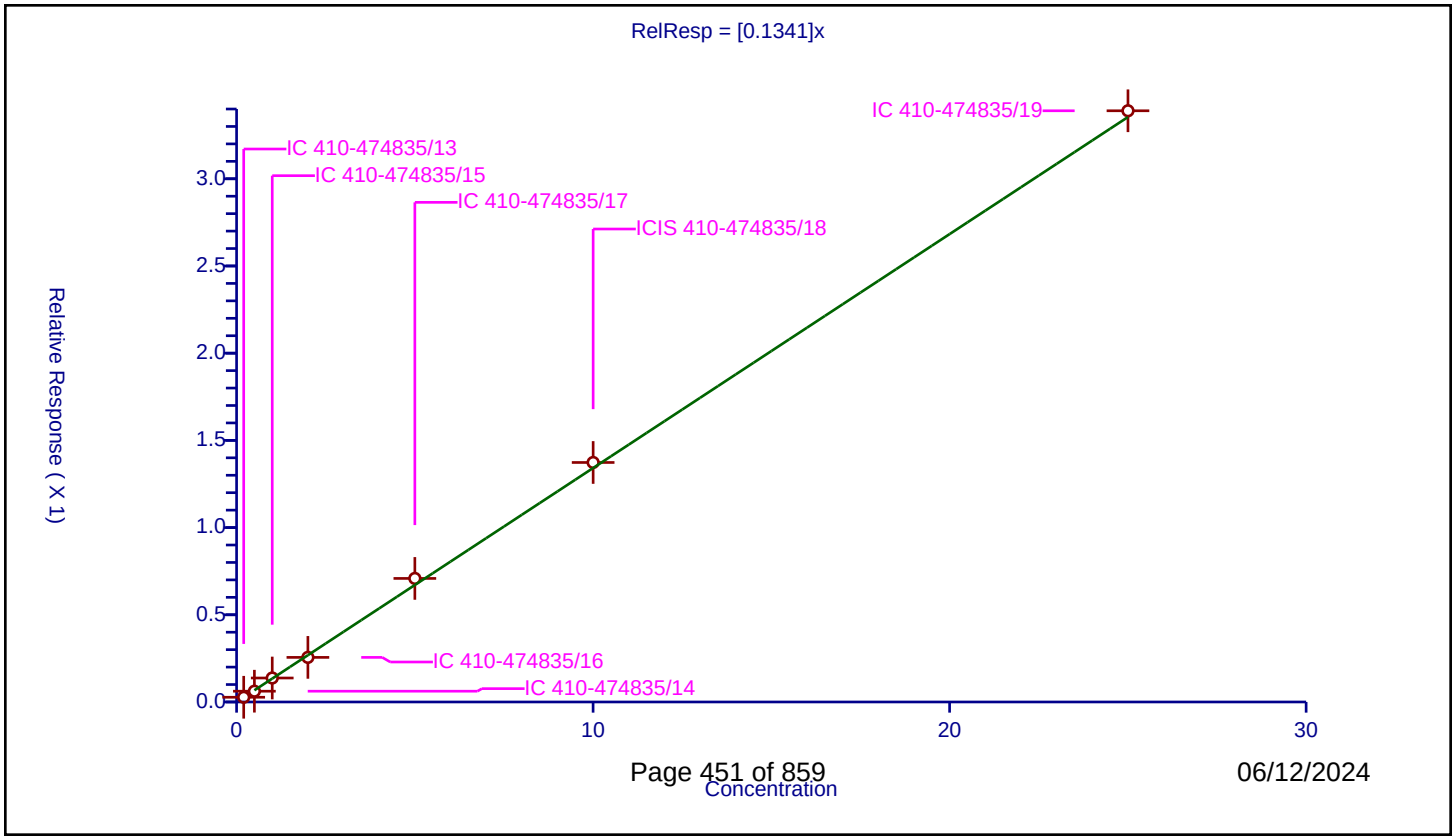
Curve Coefficients

Intercept:	0
Slope:	0.1341

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.200028	0.027112	10.0	2065535.0	0.135539	Y
2	IC 410-474835/14	0.500069	0.061823	10.0	2166842.0	0.123628	Y
3	IC 410-474835/15	1.000139	0.137463	10.0	2218490.0	0.137444	Y
4	IC 410-474835/16	2.000277	0.255696	10.0	2161085.0	0.12783	Y
5	IC 410-474835/17	5.000693	0.708448	10.0	2194446.0	0.14167	Y
6	ICIS 410-474835/18	10.001386	1.373271	10.0	2265991.0	0.137308	Y
7	IC 410-474835/19	25.003465	3.389914	10.0	2331817.0	0.135578	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

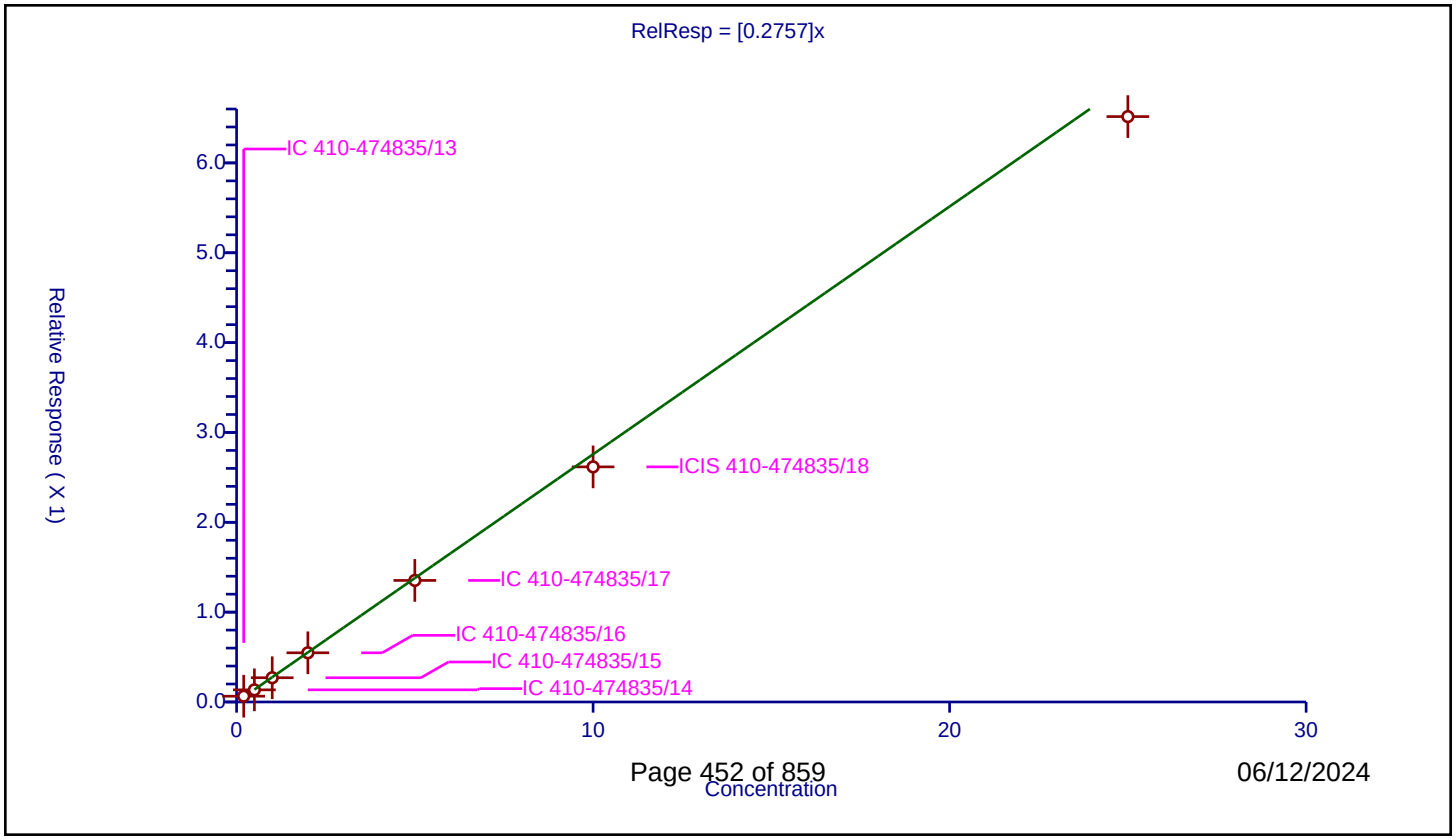
Curve Coefficients

Intercept:	0
Slope:	0.2757

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.064666	10.0	2065535.0	0.32333	Y
2	IC 410-474835/14	0.5	0.135178	10.0	2166842.0	0.270357	Y
3	IC 410-474835/15	1.0	0.269855	10.0	2218490.0	0.269855	Y
4	IC 410-474835/16	2.0	0.547568	10.0	2161085.0	0.273784	Y
5	IC 410-474835/17	5.0	1.353034	10.0	2194446.0	0.270607	Y
6	ICIS 410-474835/18	10.0	2.616824	10.0	2265991.0	0.261682	Y
7	IC 410-474835/19	25.0	6.515597	10.0	2331817.0	0.260624	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

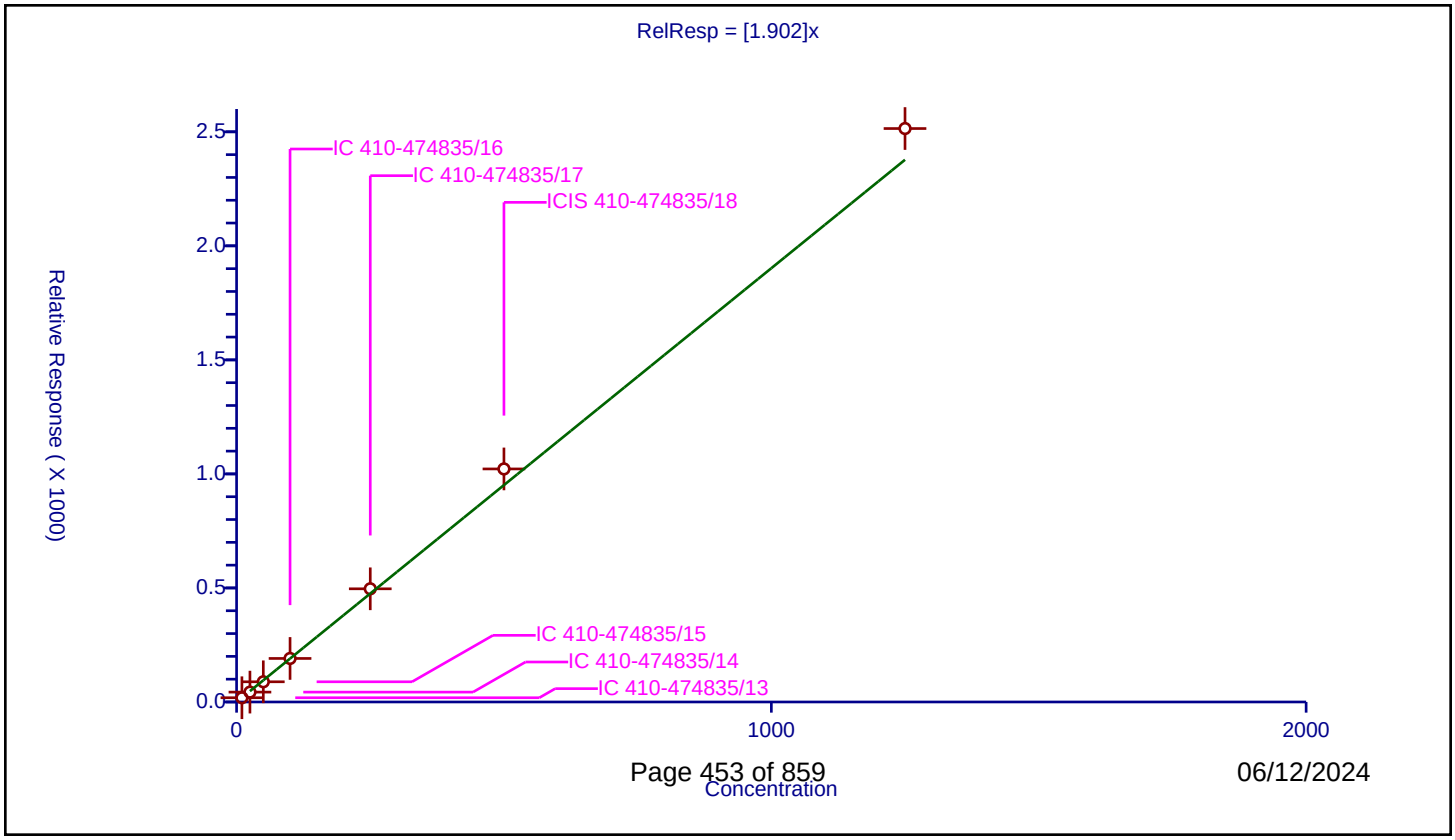
Curve Coefficients

Intercept:	0
Slope:	1.902

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	9.999756	18.604473	50.0	91478.0	1.860493	Y
2	IC 410-474835/14	24.99939	43.322454	50.0	97124.0	1.73294	Y
3	IC 410-474835/15	49.99878	88.550424	50.0	98960.0	1.771052	Y
4	IC 410-474835/16	99.99756	190.907888	50.0	94505.0	1.909125	Y
5	IC 410-474835/17	249.9939	496.338462	50.0	102375.0	1.985402	Y
6	ICIS 410-474835/18	499.9878	1021.862283	50.0	106160.0	2.043774	Y
7	IC 410-474835/19	1249.9695	2514.39135	50.0	112922.0	2.011562	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

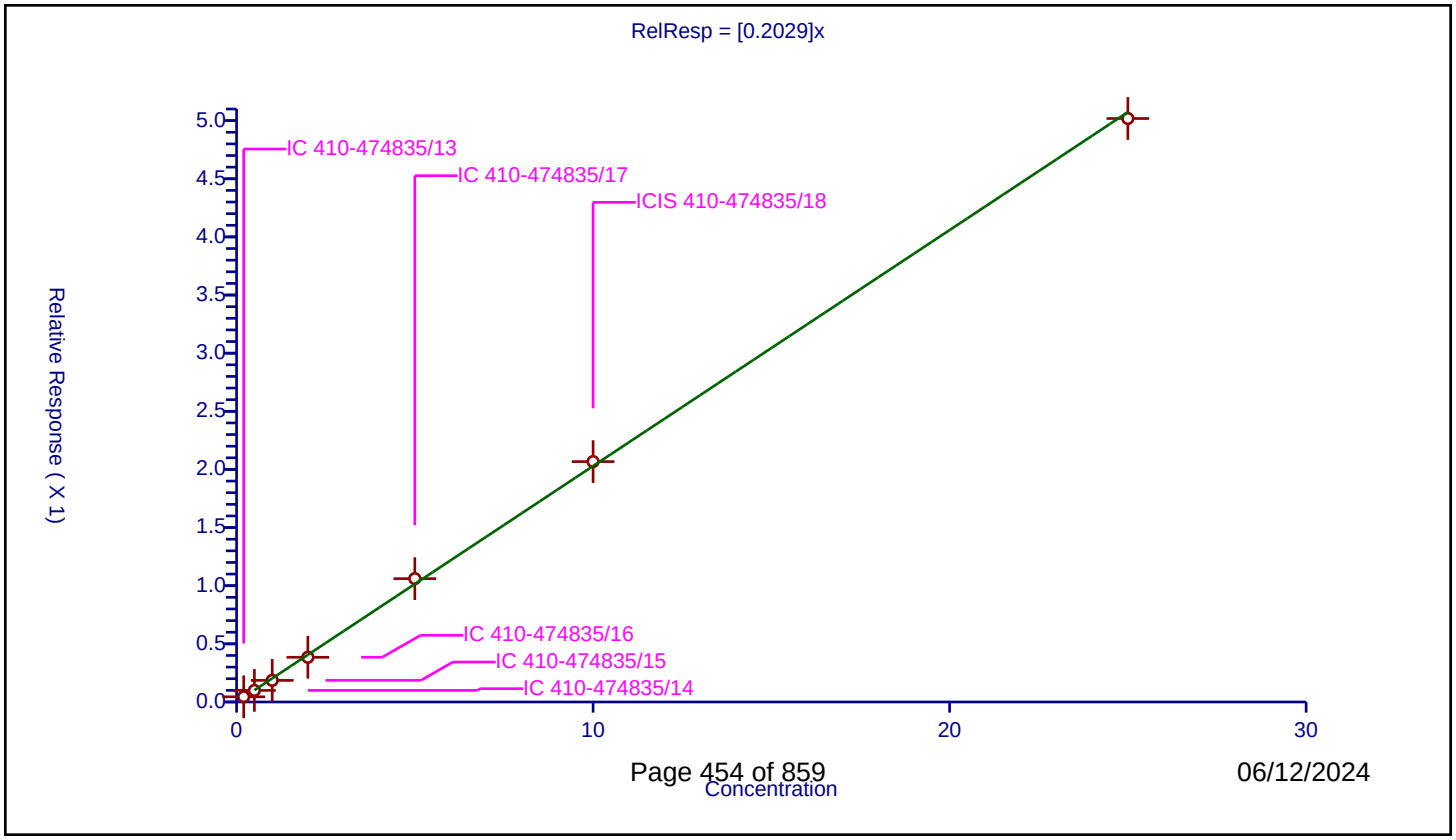
Curve Coefficients

Intercept:	0
Slope:	0.2029

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.044686	10.0	2065535.0	0.223429	Y
2	IC 410-474835/14	0.5	0.099587	10.0	2166842.0	0.199175	Y
3	IC 410-474835/15	1.0	0.185987	10.0	2218490.0	0.185987	Y
4	IC 410-474835/16	2.0	0.384575	10.0	2161085.0	0.192288	Y
5	IC 410-474835/17	5.0	1.06091	10.0	2194446.0	0.212182	Y
6	ICIS 410-474835/18	10.0	2.067603	10.0	2265991.0	0.20676	Y
7	IC 410-474835/19	25.0	5.018305	10.0	2331817.0	0.200732	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

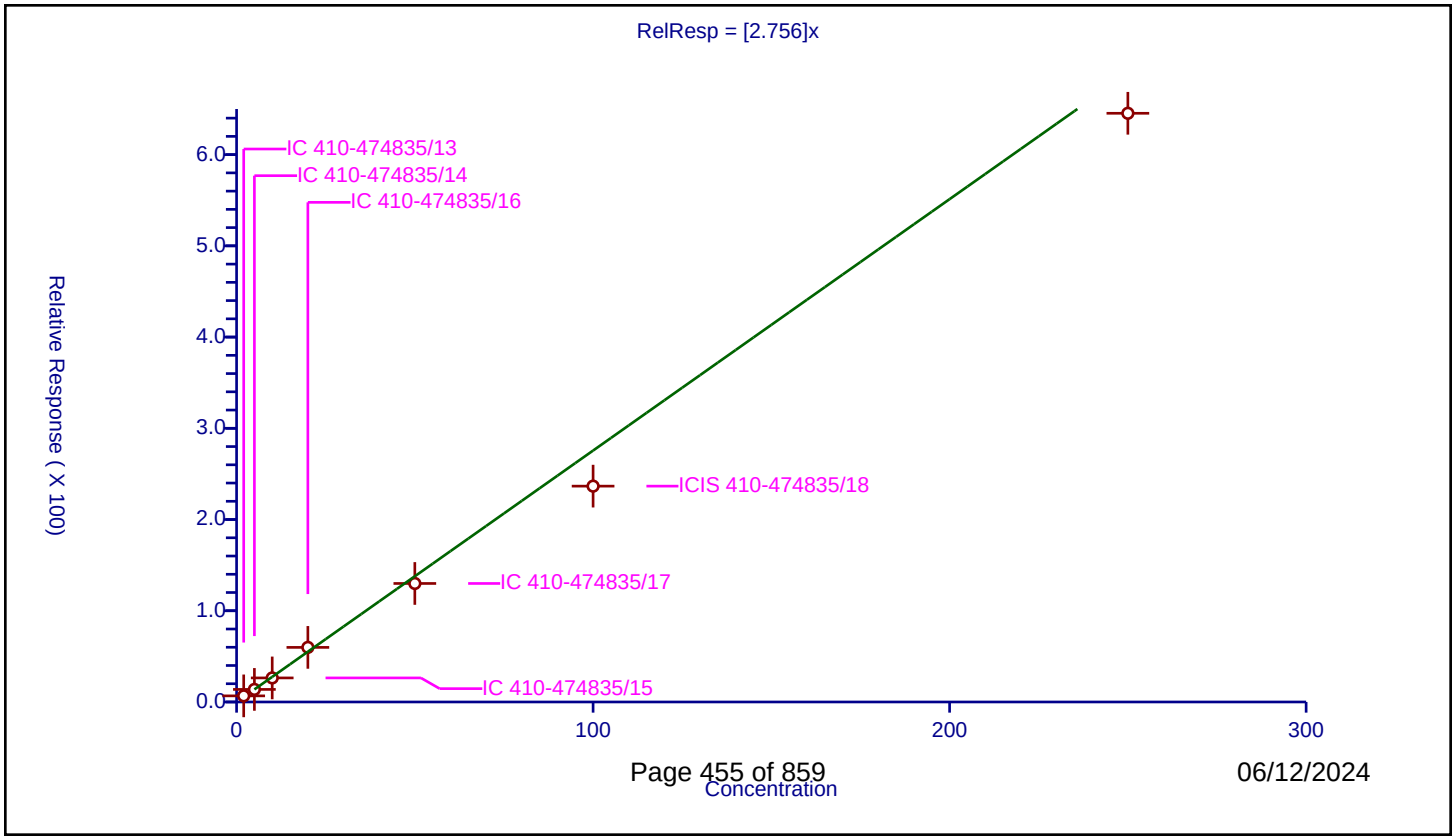
Curve Coefficients

Intercept:	0
Slope:	2.756

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	2.0	6.716369	50.0	91478.0	3.358184	Y
2	IC 410-474835/14	5.0	13.795766	50.0	97124.0	2.759153	Y
3	IC 410-474835/15	10.0	26.374798	50.0	98960.0	2.63748	Y
4	IC 410-474835/16	20.0	59.838633	50.0	94505.0	2.991932	Y
5	IC 410-474835/17	50.0	129.911111	50.0	102375.0	2.598222	Y
6	ICIS 410-474835/18	100.0	236.604653	50.0	106160.0	2.366047	Y
7	IC 410-474835/19	250.0	645.318007	50.0	112922.0	2.581272	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

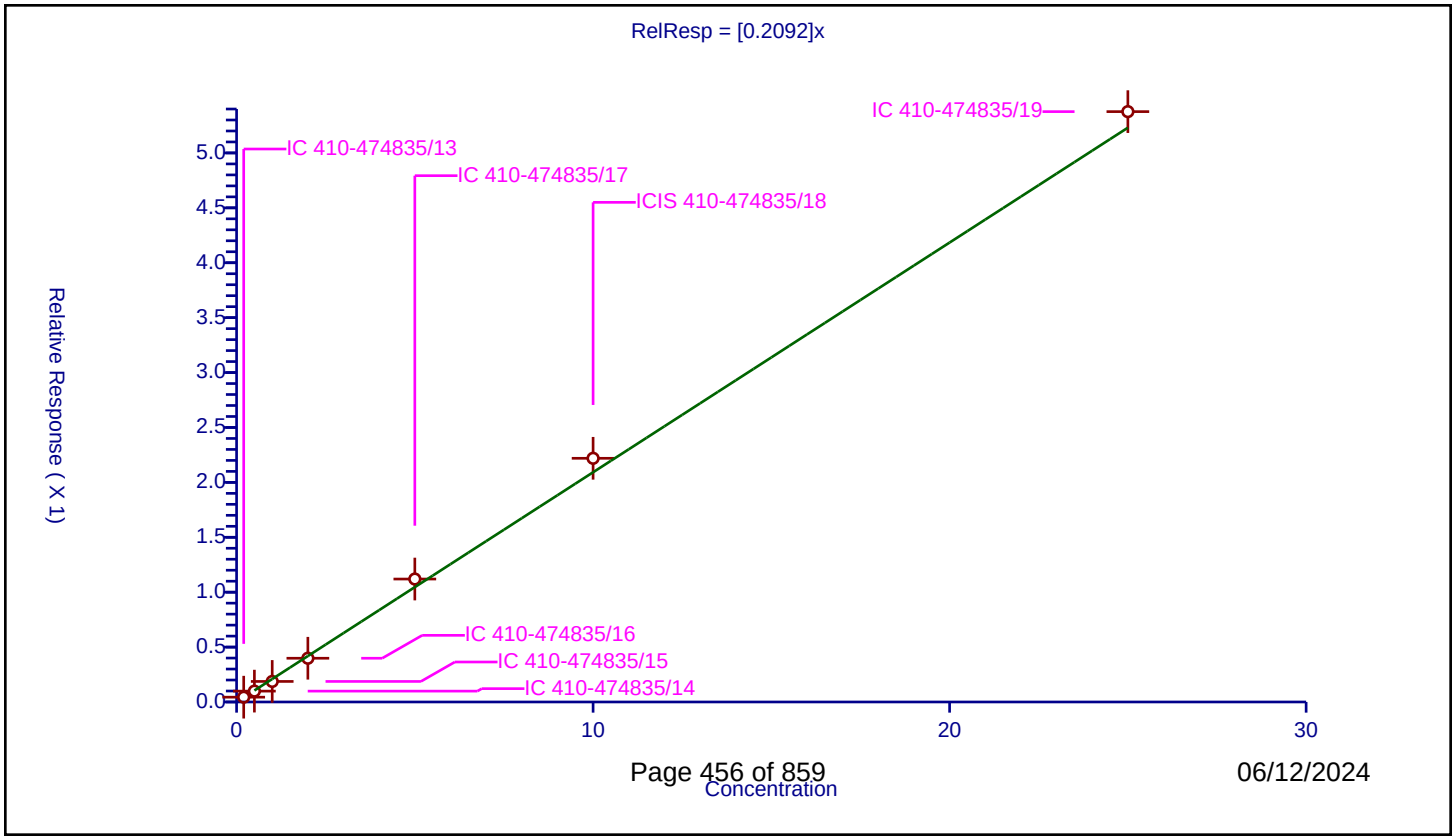
Curve Coefficients

Intercept:	0
Slope:	0.2092

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.043848	10.0	2065535.0	0.219241	Y
2	IC 410-474835/14	0.5	0.099038	10.0	2166842.0	0.198076	Y
3	IC 410-474835/15	1.0	0.187001	10.0	2218490.0	0.187001	Y
4	IC 410-474835/16	2.0	0.398305	10.0	2161085.0	0.199152	Y
5	IC 410-474835/17	5.0	1.119627	10.0	2194446.0	0.223925	Y
6	ICIS 410-474835/18	10.0	2.219201	10.0	2265991.0	0.22192	Y
7	IC 410-474835/19	25.0	5.376267	10.0	2331817.0	0.215051	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

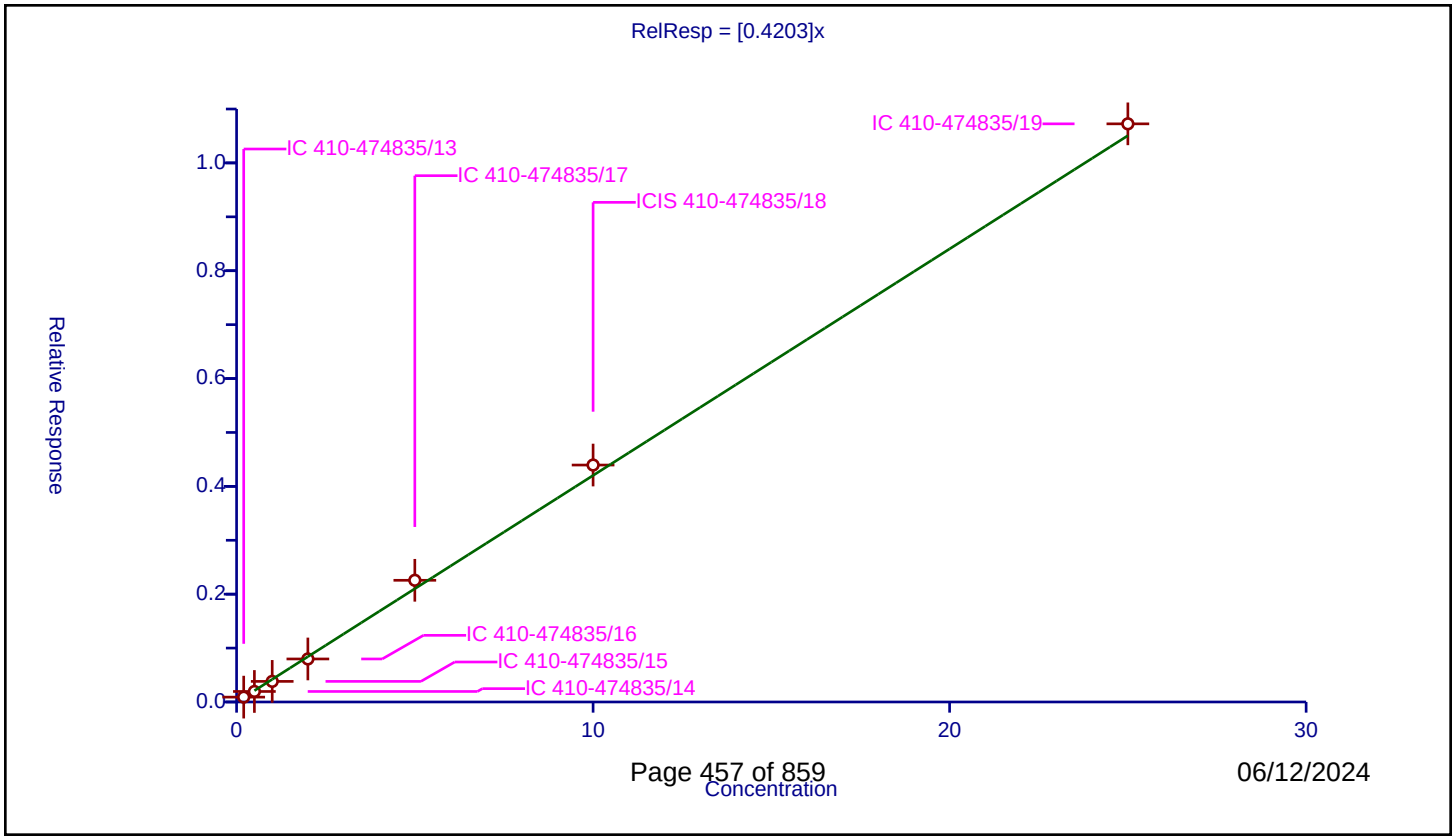
Curve Coefficients

Intercept:	0
Slope:	0.4203

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.090044	10.0	2065535.0	0.450222	Y
2	IC 410-474835/14	0.5	0.195053	10.0	2166842.0	0.390107	Y
3	IC 410-474835/15	1.0	0.382373	10.0	2218490.0	0.382373	Y
4	IC 410-474835/16	2.0	0.798057	10.0	2161085.0	0.399029	Y
5	IC 410-474835/17	5.0	2.257362	10.0	2194446.0	0.451472	Y
6	ICIS 410-474835/18	10.0	4.395591	10.0	2265991.0	0.439559	Y
7	IC 410-474835/19	25.0	10.725023	10.0	2331817.0	0.429001	Y



Calibration / Ethyl bromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

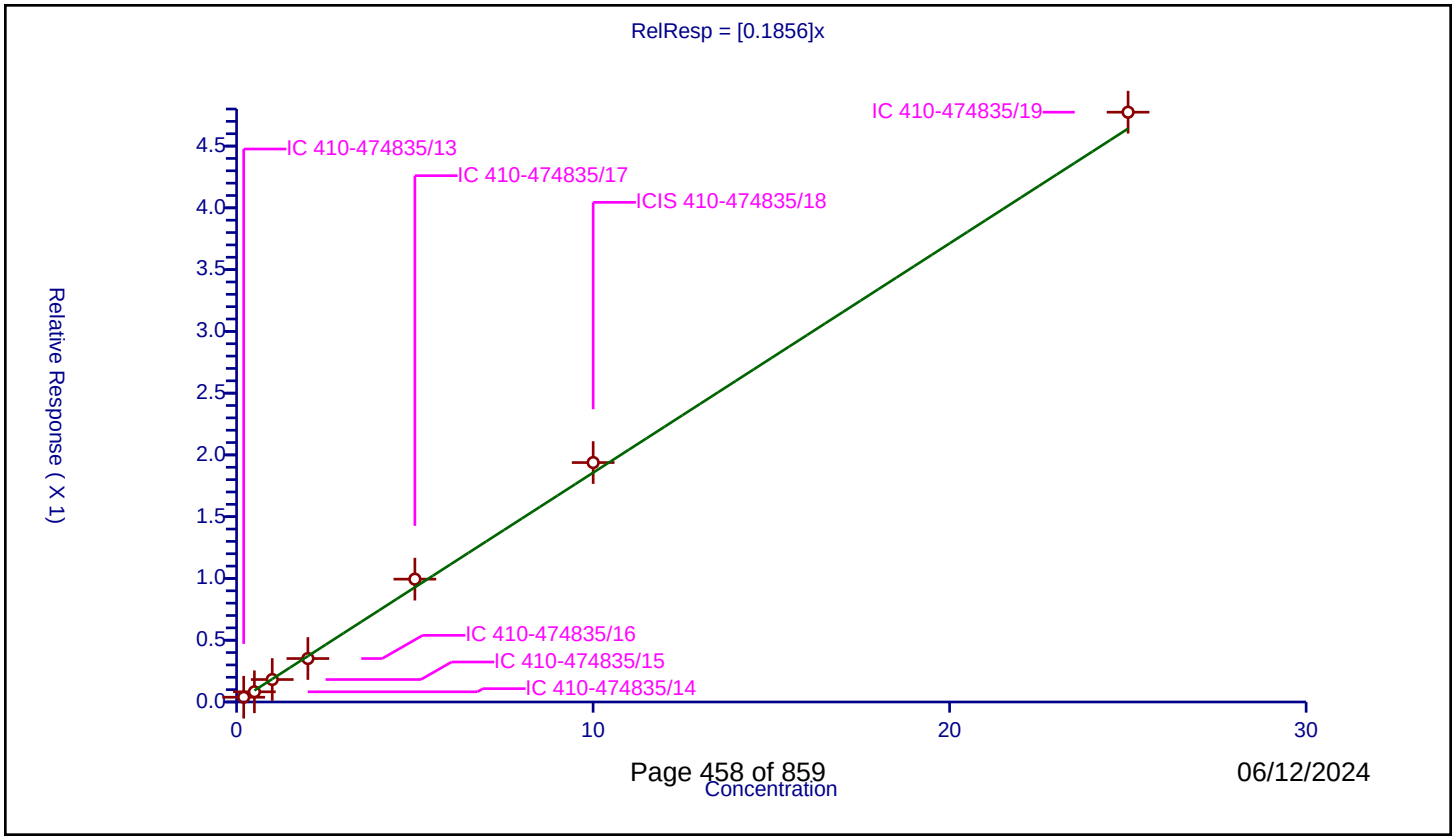
Curve Coefficients

Intercept:	0
Slope:	0.1856

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.200049	0.038629	10.0	2065535.0	0.193099	Y
2	IC 410-474835/14	0.500122	0.082567	10.0	2166842.0	0.165094	Y
3	IC 410-474835/15	1.000244	0.181768	10.0	2218490.0	0.181723	Y
4	IC 410-474835/16	2.000488	0.351814	10.0	2161085.0	0.175864	Y
5	IC 410-474835/17	5.00122	0.994292	10.0	2194446.0	0.19881	Y
6	ICIS 410-474835/18	10.00244	1.938128	10.0	2265991.0	0.193765	Y
7	IC 410-474835/19	25.0061	4.774333	10.0	2331817.0	0.190927	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

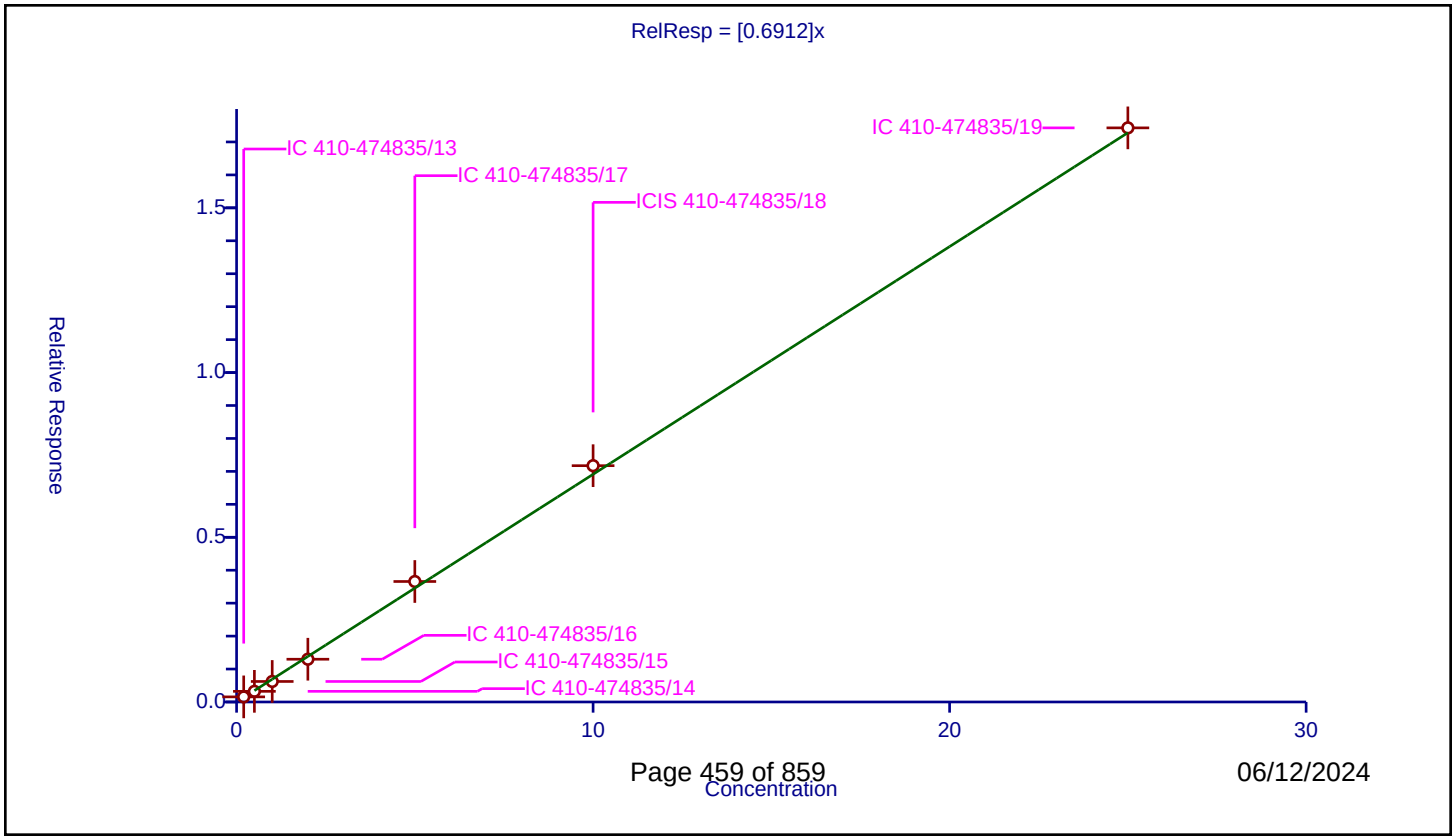
Curve Coefficients

Intercept:	0
Slope:	0.6912

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.154861	10.0	2065535.0	0.774303	Y
2	IC 410-474835/14	0.5	0.323032	10.0	2166842.0	0.646065	Y
3	IC 410-474835/15	1.0	0.622883	10.0	2218490.0	0.622883	Y
4	IC 410-474835/16	2.0	1.29838	10.0	2161085.0	0.64919	Y
5	IC 410-474835/17	5.0	3.657611	10.0	2194446.0	0.731522	Y
6	ICIS 410-474835/18	10.0	7.173228	10.0	2265991.0	0.717323	Y
7	IC 410-474835/19	25.0	17.427954	10.0	2331817.0	0.697118	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

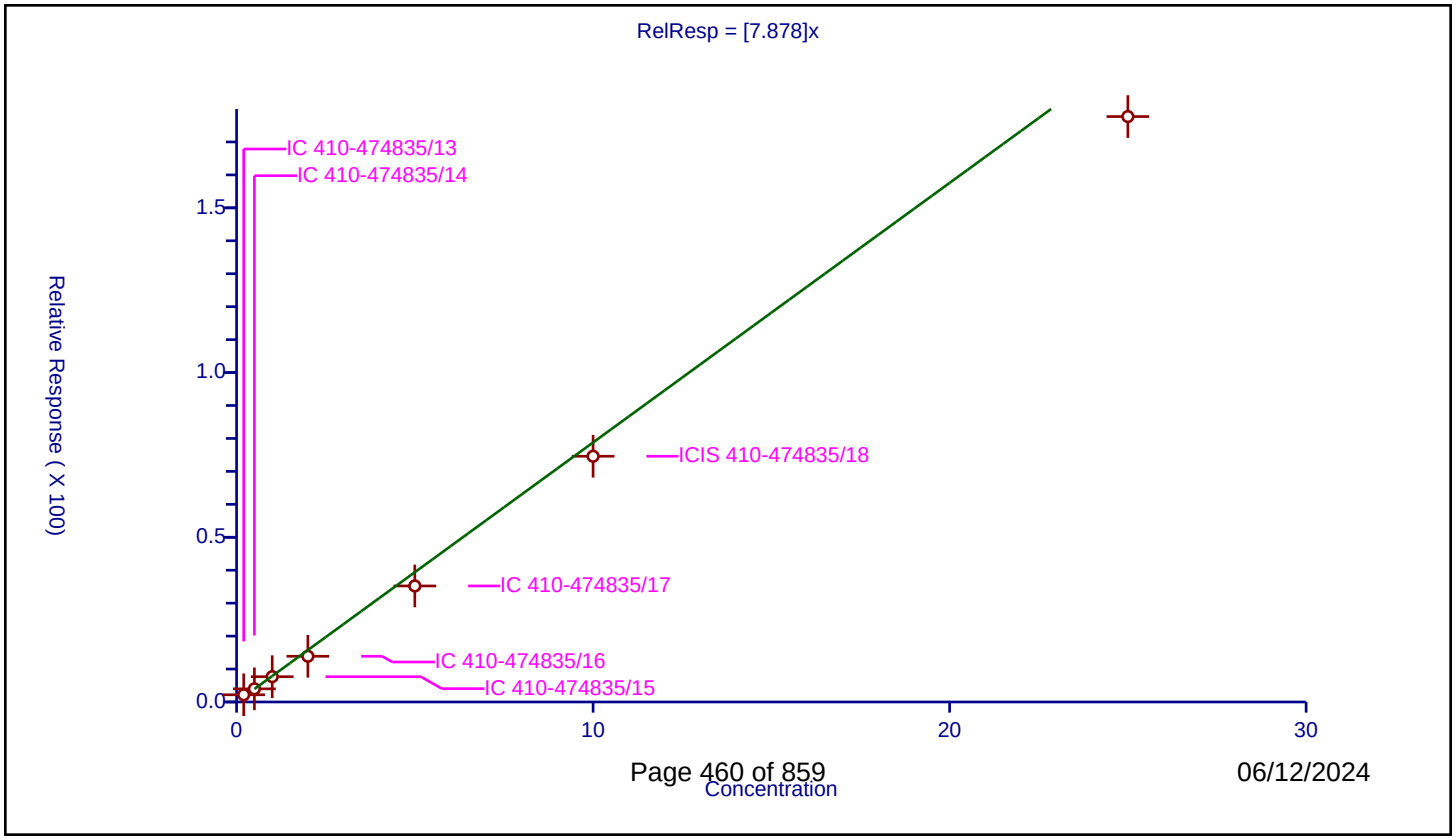
Curve Coefficients

Intercept:	0
Slope:	7.878

Error Coefficients

Relative Standard Deviation:	17.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	2.188504	50.0	91478.0	10.942522	Y
2	IC 410-474835/14	0.5	3.987171	50.0	97124.0	7.974342	Y
3	IC 410-474835/15	1.0	7.678355	50.0	98960.0	7.678355	Y
4	IC 410-474835/16	2.0	13.881805	50.0	94505.0	6.940903	Y
5	IC 410-474835/17	5.0	35.223932	50.0	102375.0	7.044786	Y
6	ICIS 410-474835/18	10.0	74.595422	50.0	106160.0	7.459542	Y
7	IC 410-474835/19	25.0	177.709392	50.0	112922.0	7.108376	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

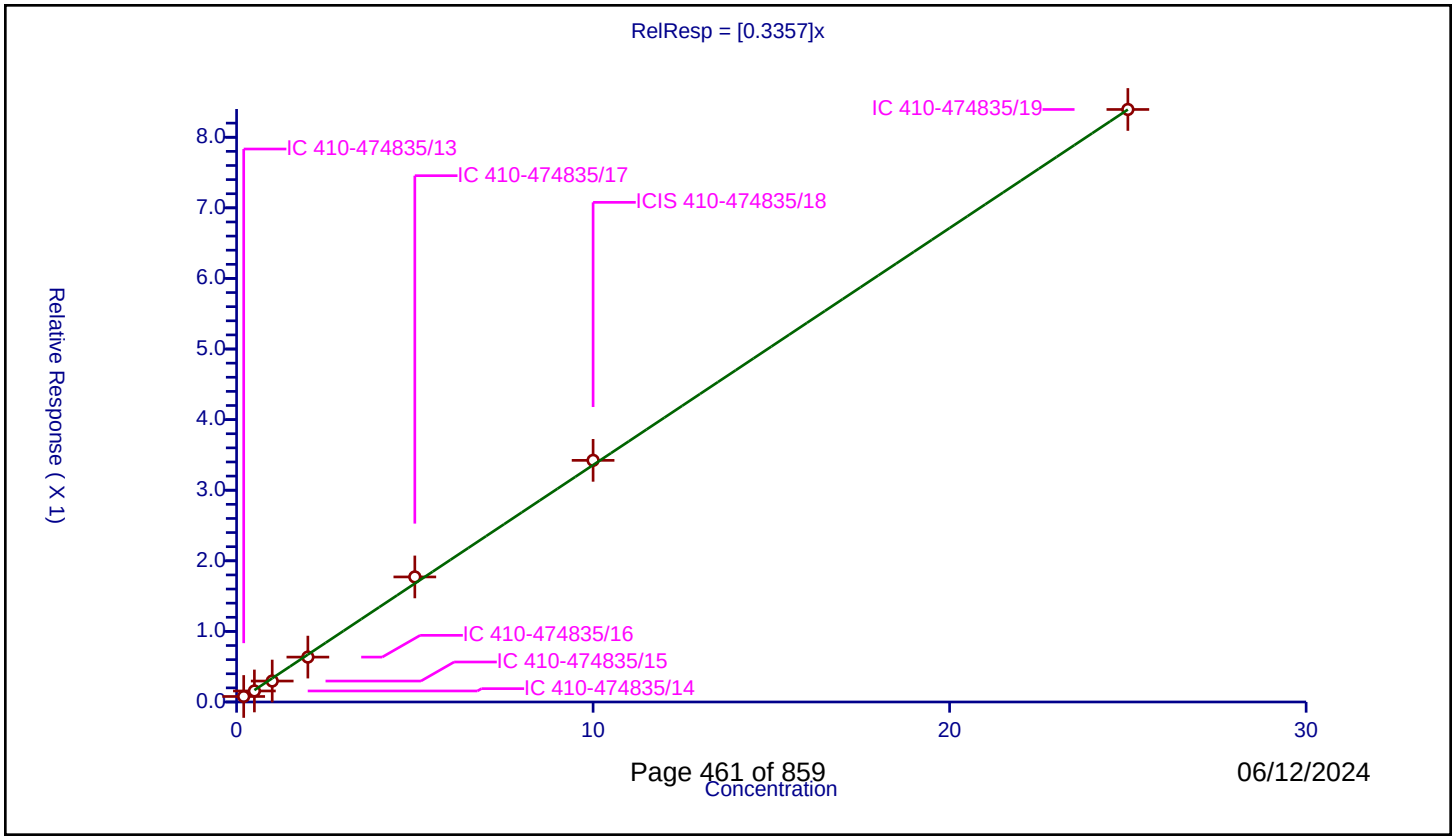
Curve Coefficients

Intercept:	0
Slope:	0.3357

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.07798	10.0	2065535.0	0.389899	Y
2	IC 410-474835/14	0.5	0.156324	10.0	2166842.0	0.312649	Y
3	IC 410-474835/15	1.0	0.296833	10.0	2218490.0	0.296833	Y
4	IC 410-474835/16	2.0	0.636097	10.0	2161085.0	0.318049	Y
5	IC 410-474835/17	5.0	1.771668	10.0	2194446.0	0.354334	Y
6	ICIS 410-474835/18	10.0	3.422926	10.0	2265991.0	0.342293	Y
7	IC 410-474835/19	25.0	8.393553	10.0	2331817.0	0.335742	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

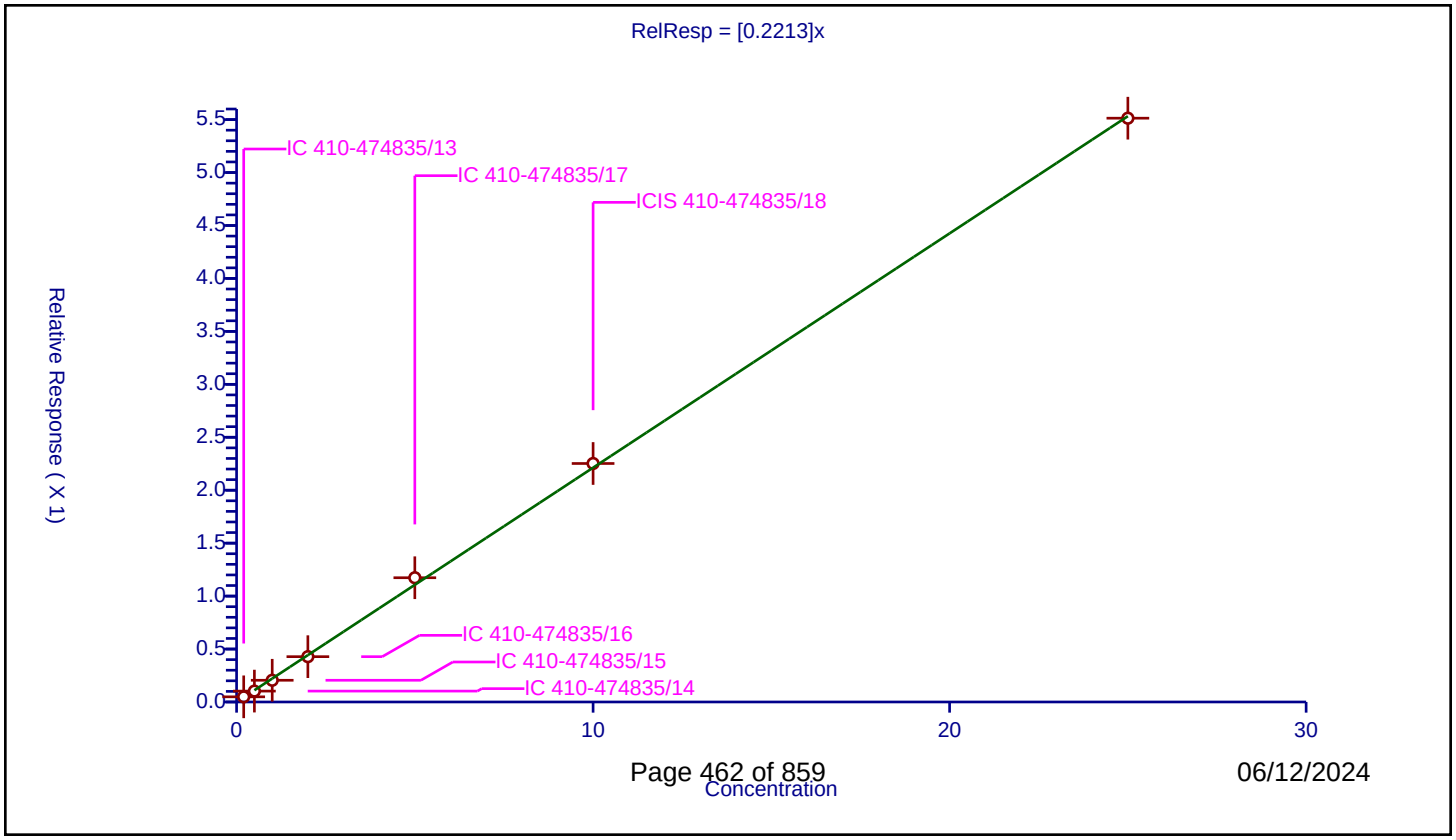
Curve Coefficients

Intercept:	0
Slope:	0.2213

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.048757	10.0	2065535.0	0.243787	Y
2	IC 410-474835/14	0.5	0.102878	10.0	2166842.0	0.205756	Y
3	IC 410-474835/15	1.0	0.205004	10.0	2218490.0	0.205004	Y
4	IC 410-474835/16	2.0	0.427924	10.0	2161085.0	0.213962	Y
5	IC 410-474835/17	5.0	1.173353	10.0	2194446.0	0.234671	Y
6	ICIS 410-474835/18	10.0	2.252304	10.0	2265991.0	0.22523	Y
7	IC 410-474835/19	25.0	5.513246	10.0	2331817.0	0.22053	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

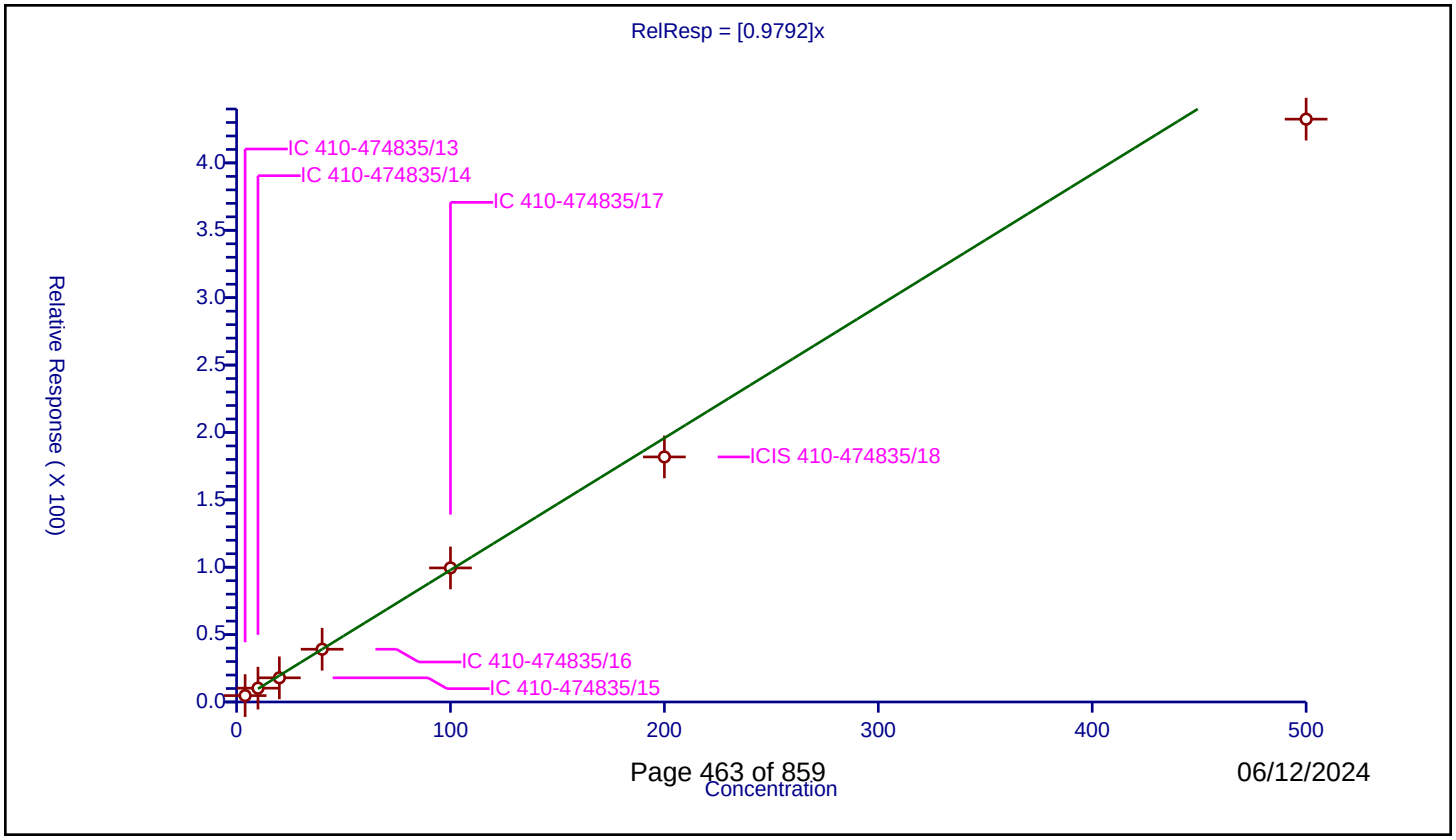
Curve Coefficients

Intercept:	0
Slope:	0.9792

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	4.0	4.736658	50.0	91478.0	1.184164	Y
2	IC 410-474835/14	10.0	10.263684	50.0	97124.0	1.026368	Y
3	IC 410-474835/15	20.0	17.935024	50.0	98960.0	0.896751	Y
4	IC 410-474835/16	40.0	39.140786	50.0	94505.0	0.97852	Y
5	IC 410-474835/17	100.0	99.473504	50.0	102375.0	0.994735	Y
6	ICIS 410-474835/18	200.0	181.830256	50.0	106160.0	0.909151	Y
7	IC 410-474835/19	500.0	432.475071	50.0	112922.0	0.86495	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

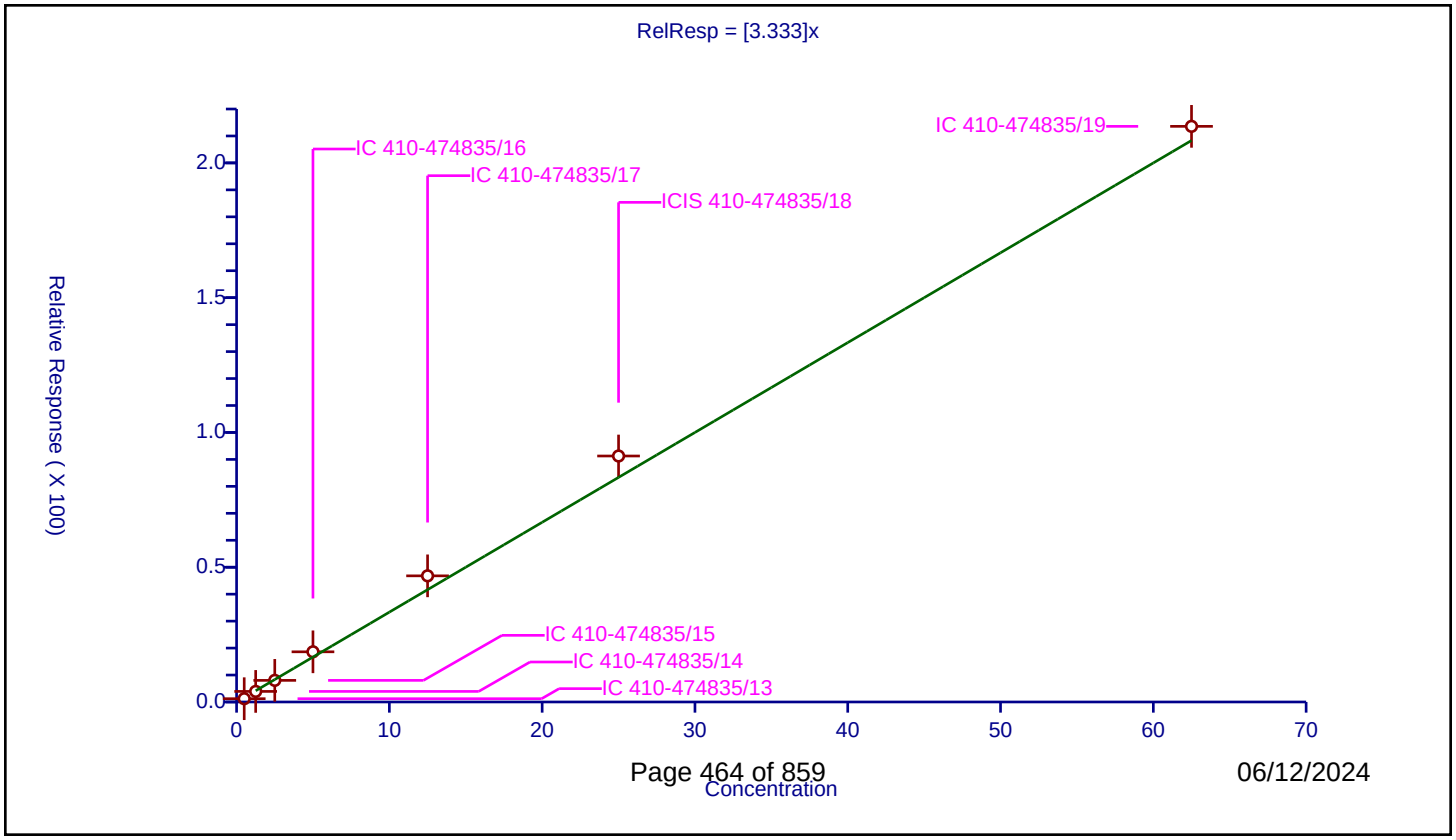
Curve Coefficients

Intercept:	0
Slope:	3.333

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.5	1.224338	50.0	91478.0	2.448676	Y
2	IC 410-474835/14	1.25	3.925909	50.0	97124.0	3.140727	Y
3	IC 410-474835/15	2.5	8.021928	50.0	98960.0	3.208771	Y
4	IC 410-474835/16	5.0	18.612772	50.0	94505.0	3.722554	Y
5	IC 410-474835/17	12.5	46.805372	50.0	102375.0	3.74443	Y
6	ICIS 410-474835/18	25.0	91.263188	50.0	106160.0	3.650528	Y
7	IC 410-474835/19	62.5	213.564673	50.0	112922.0	3.417035	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

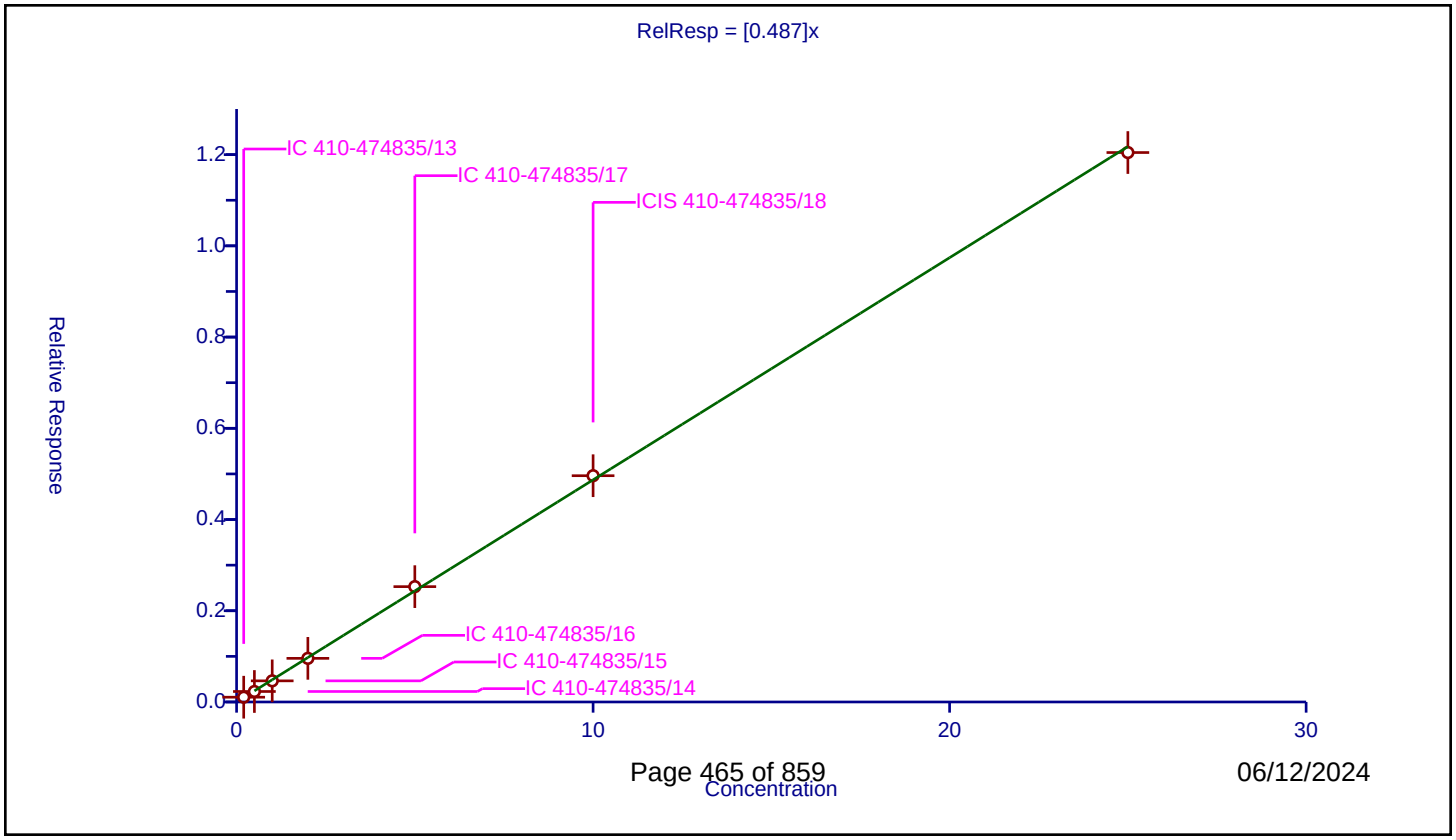
Curve Coefficients

Intercept:	0
Slope:	0.487

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.104738	10.0	2065535.0	0.52369	Y
2	IC 410-474835/14	0.5	0.229943	10.0	2166842.0	0.459886	Y
3	IC 410-474835/15	1.0	0.463486	10.0	2218490.0	0.463486	Y
4	IC 410-474835/16	2.0	0.956927	10.0	2161085.0	0.478463	Y
5	IC 410-474835/17	5.0	2.528761	10.0	2194446.0	0.505752	Y
6	ICIS 410-474835/18	10.0	4.961079	10.0	2265991.0	0.496108	Y
7	IC 410-474835/19	25.0	12.04604	10.0	2331817.0	0.481842	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

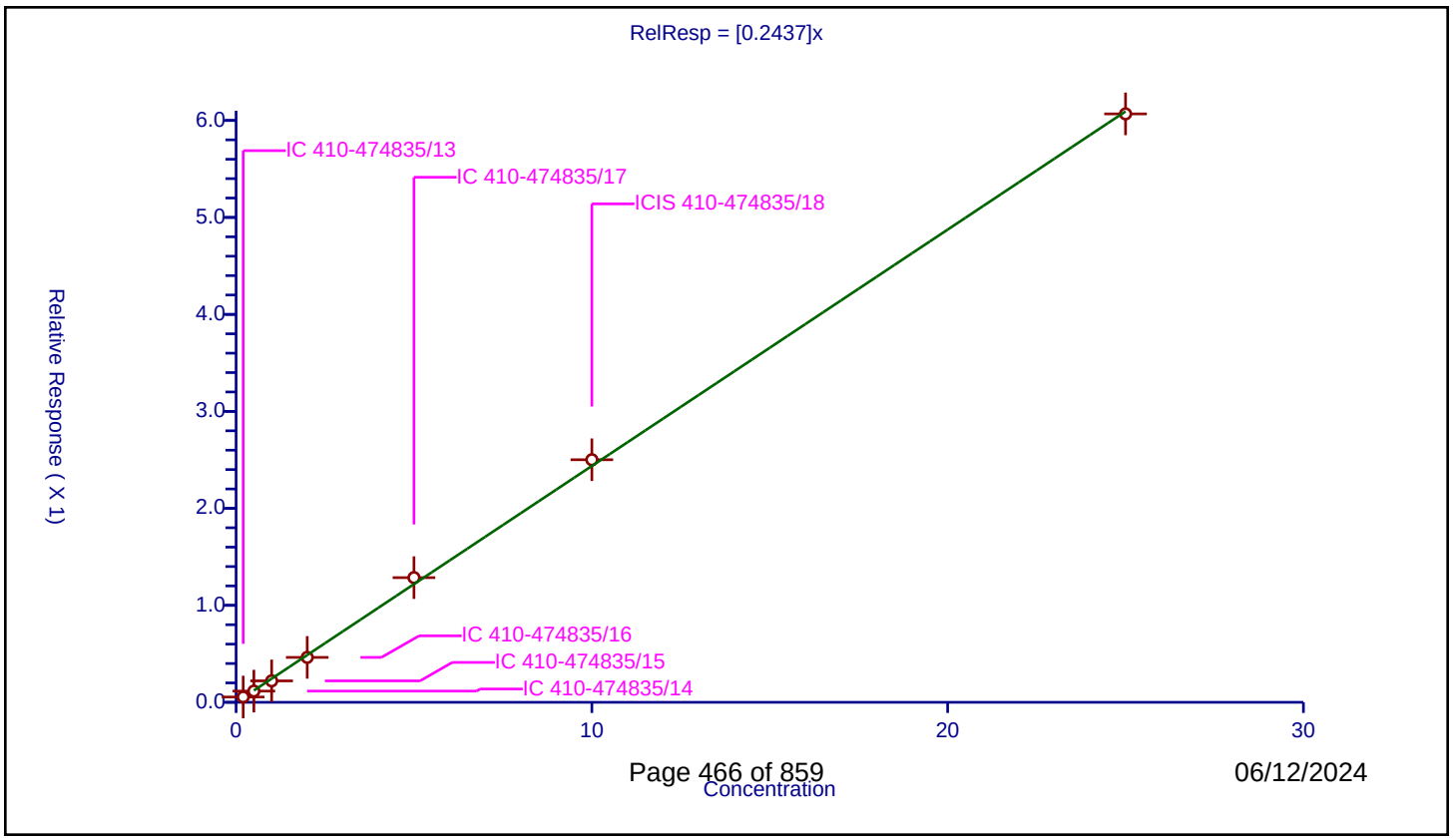
Curve Coefficients

Intercept:	0
Slope:	0.2437

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.054475	10.0	2065535.0	0.272375	Y
2	IC 410-474835/14	0.5	0.115537	10.0	2166842.0	0.231074	Y
3	IC 410-474835/15	1.0	0.22106	10.0	2218490.0	0.22106	Y
4	IC 410-474835/16	2.0	0.463124	10.0	2161085.0	0.231562	Y
5	IC 410-474835/17	5.0	1.285541	10.0	2194446.0	0.257108	Y
6	ICIS 410-474835/18	10.0	2.501475	10.0	2265991.0	0.250148	Y
7	IC 410-474835/19	25.0	6.067663	10.0	2331817.0	0.242707	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

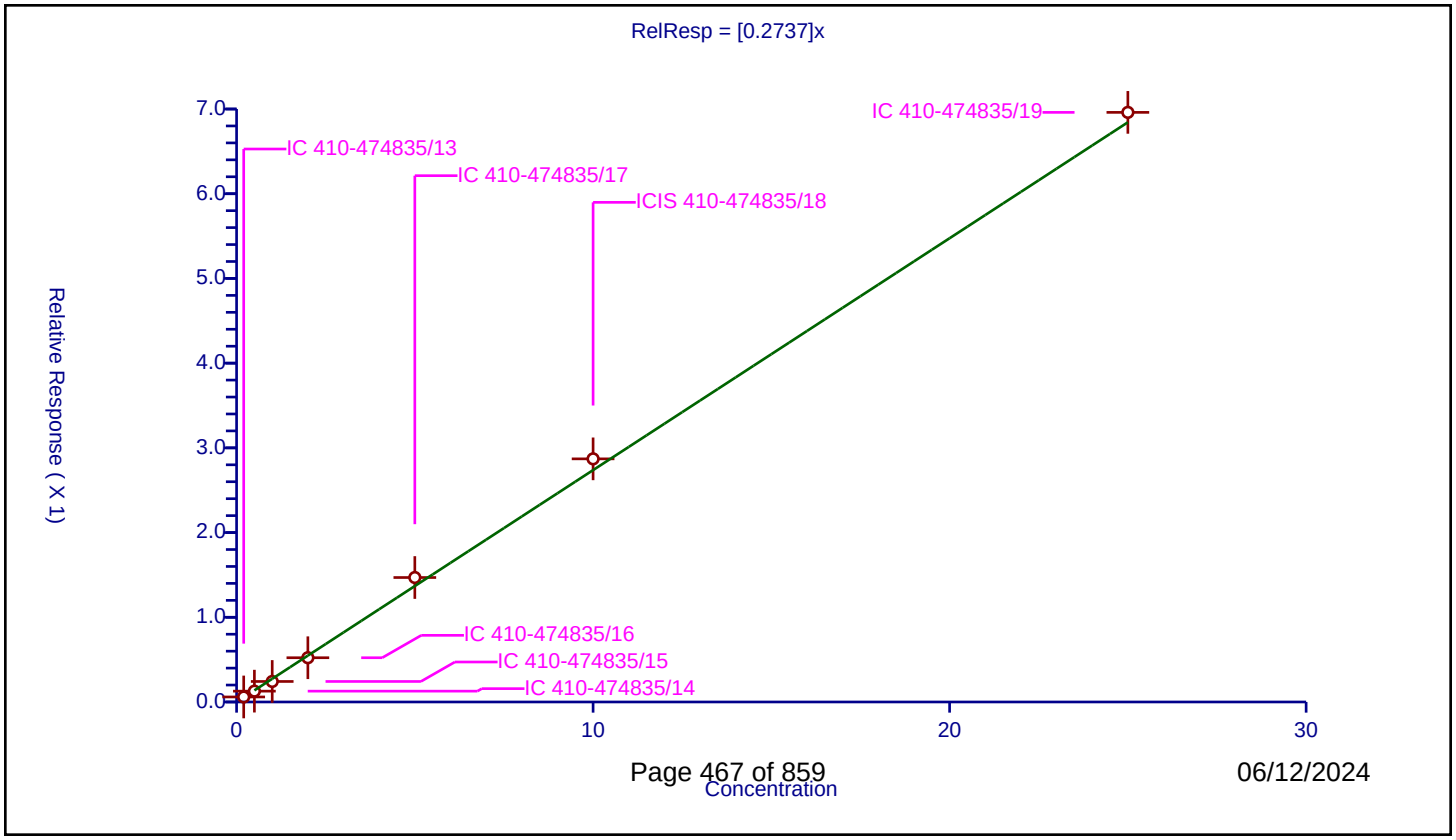
Curve Coefficients

Intercept:	0
Slope:	0.2737

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.059457	10.0	2065535.0	0.297284	Y
2	IC 410-474835/14	0.5	0.128057	10.0	2166842.0	0.256115	Y
3	IC 410-474835/15	1.0	0.242187	10.0	2218490.0	0.242187	Y
4	IC 410-474835/16	2.0	0.522511	10.0	2161085.0	0.261255	Y
5	IC 410-474835/17	5.0	1.469182	10.0	2194446.0	0.293836	Y
6	ICIS 410-474835/18	10.0	2.87021	10.0	2265991.0	0.287021	Y
7	IC 410-474835/19	25.0	6.960345	10.0	2331817.0	0.278414	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

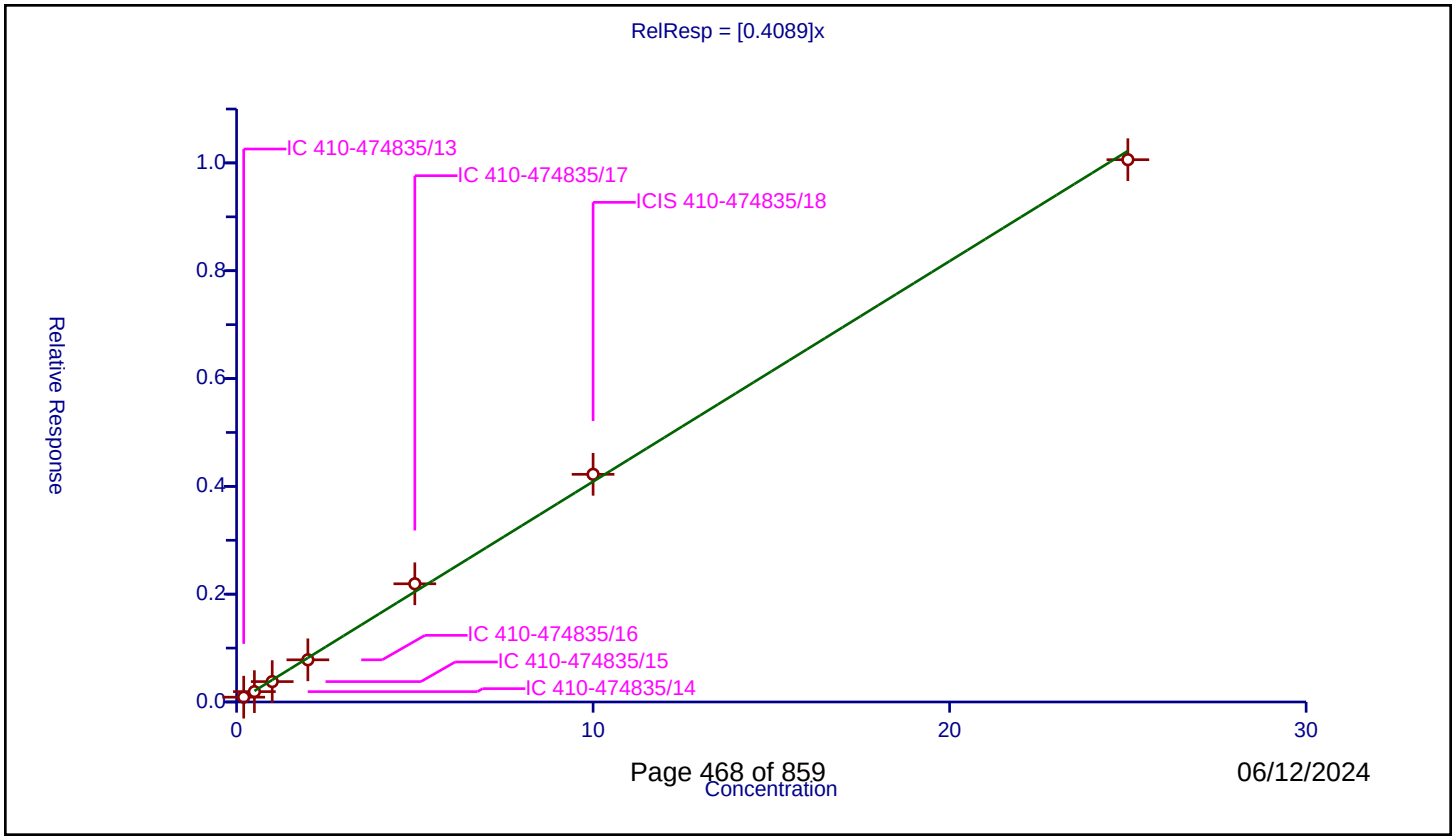
Curve Coefficients

Intercept:	0
Slope:	0.4089

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.089144	10.0	2065535.0	0.44572	Y
2	IC 410-474835/14	0.5	0.192012	10.0	2166842.0	0.384024	Y
3	IC 410-474835/15	1.0	0.378077	10.0	2218490.0	0.378077	Y
4	IC 410-474835/16	2.0	0.782163	10.0	2161085.0	0.391081	Y
5	IC 410-474835/17	5.0	2.19284	10.0	2194446.0	0.438568	Y
6	ICIS 410-474835/18	10.0	4.22341	10.0	2265991.0	0.422341	Y
7	IC 410-474835/19	25.0	10.060095	10.0	2331817.0	0.402404	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

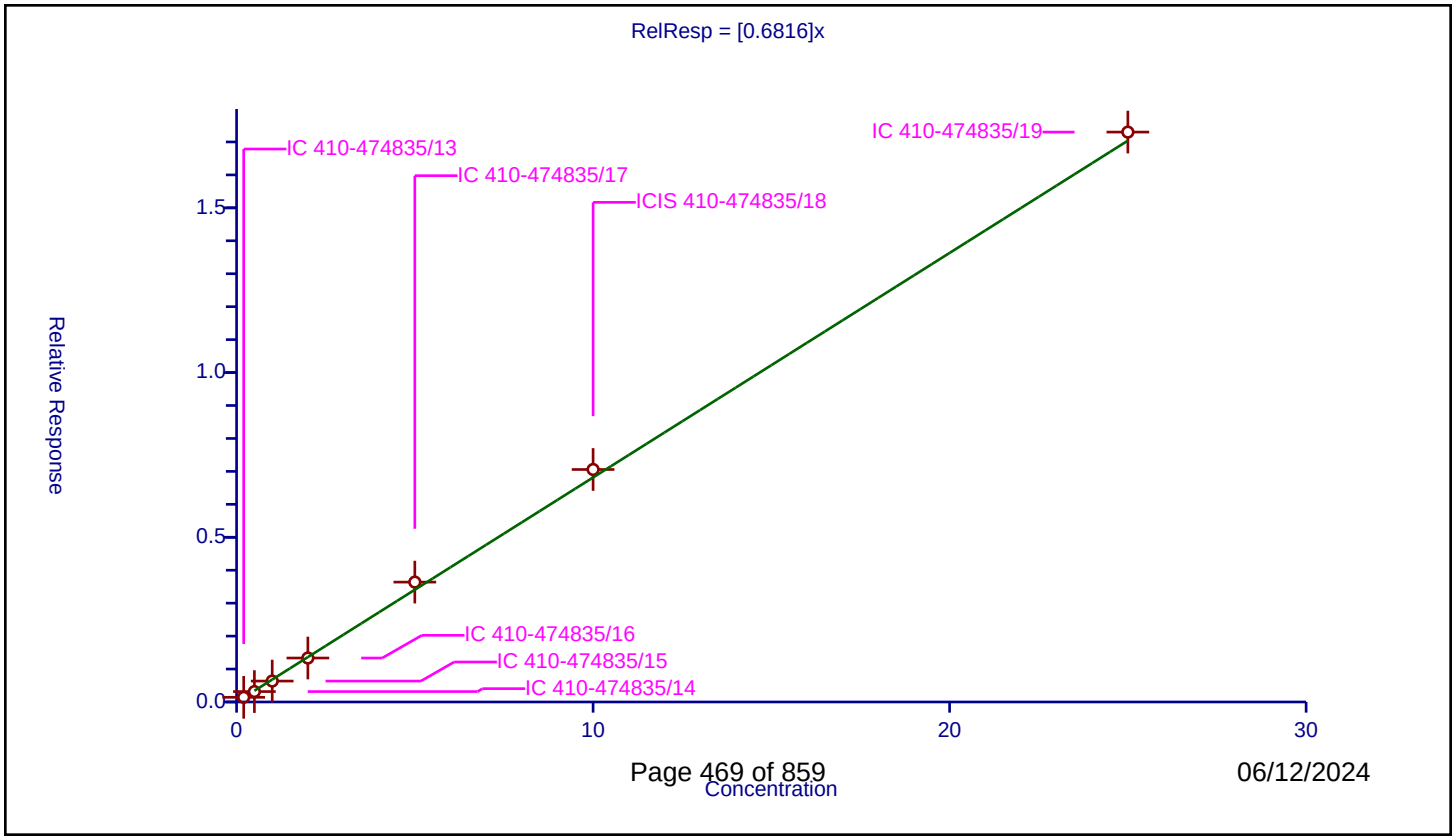
Curve Coefficients

Intercept:	0
Slope:	0.6816

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.142176	10.0	2065535.0	0.710881	Y
2	IC 410-474835/14	0.5	0.316096	10.0	2166842.0	0.632192	Y
3	IC 410-474835/15	1.0	0.63518	10.0	2218490.0	0.63518	Y
4	IC 410-474835/16	2.0	1.334487	10.0	2161085.0	0.667244	Y
5	IC 410-474835/17	5.0	3.639187	10.0	2194446.0	0.727837	Y
6	ICIS 410-474835/18	10.0	7.057385	10.0	2265991.0	0.705738	Y
7	IC 410-474835/19	25.0	17.299389	10.0	2331817.0	0.691976	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

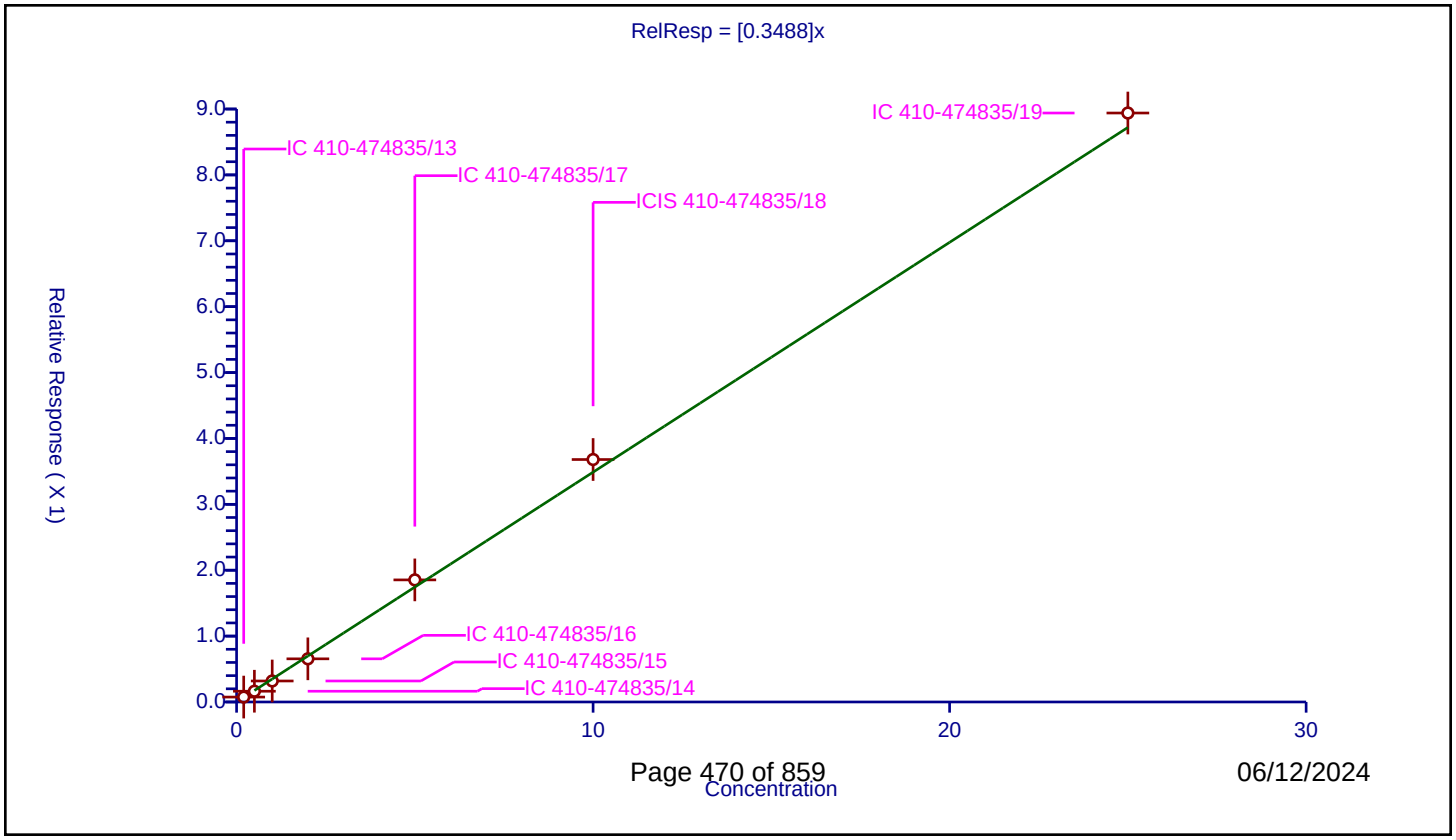
Curve Coefficients

Intercept:	0
Slope:	0.3488

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.074518	10.0	2065535.0	0.372591	Y
2	IC 410-474835/14	0.5	0.163362	10.0	2166842.0	0.326724	Y
3	IC 410-474835/15	1.0	0.318627	10.0	2218490.0	0.318627	Y
4	IC 410-474835/16	2.0	0.655222	10.0	2161085.0	0.327611	Y
5	IC 410-474835/17	5.0	1.8529	10.0	2194446.0	0.37058	Y
6	ICIS 410-474835/18	10.0	3.680182	10.0	2265991.0	0.368018	Y
7	IC 410-474835/19	25.0	8.939278	10.0	2331817.0	0.357571	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

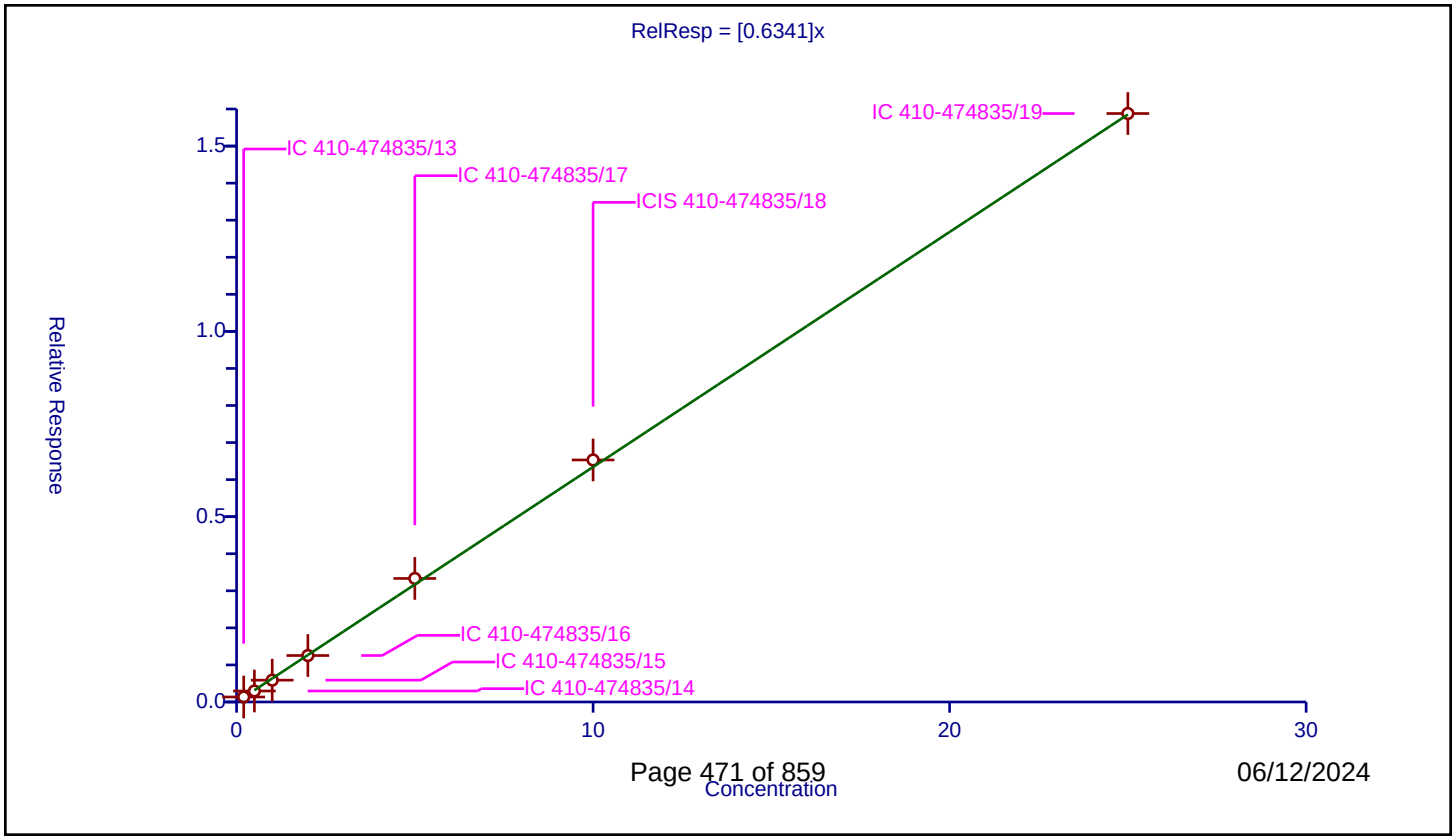
Curve Coefficients

Intercept:	0
Slope:	0.6341

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.134909	10.0	2065535.0	0.674547	Y
2	IC 410-474835/14	0.5	0.296681	10.0	2166842.0	0.593361	Y
3	IC 410-474835/15	1.0	0.589243	10.0	2218490.0	0.589243	Y
4	IC 410-474835/16	2.0	1.253454	10.0	2161085.0	0.626727	Y
5	IC 410-474835/17	5.0	3.333424	10.0	2194446.0	0.666685	Y
6	ICIS 410-474835/18	10.0	6.530556	10.0	2265991.0	0.653056	Y
7	IC 410-474835/19	25.0	15.878038	10.0	2331817.0	0.635122	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

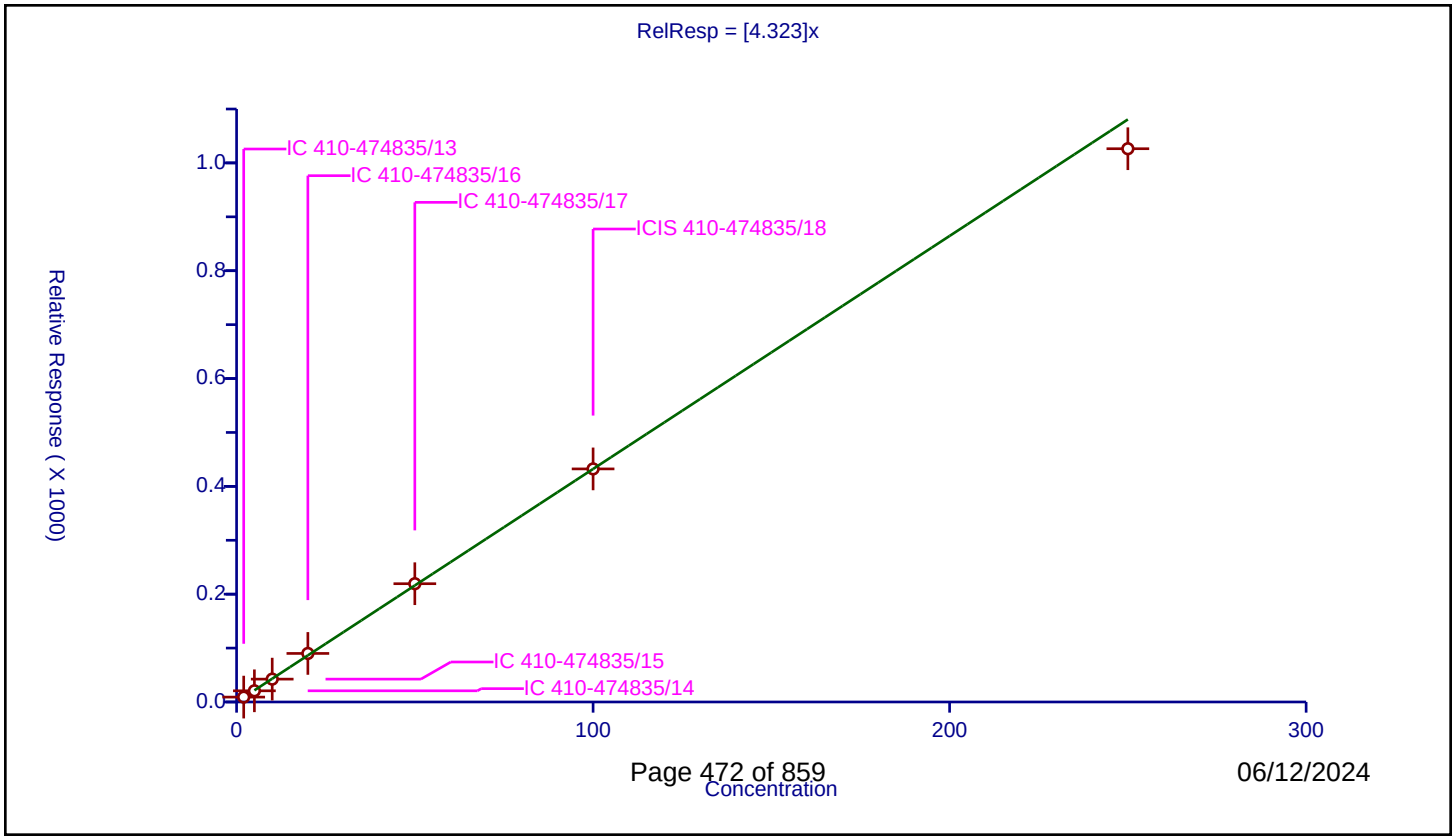
Curve Coefficients

Intercept:	0
Slope:	4.323

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	2.0	9.09071	50.0	91478.0	4.545355	Y
2	IC 410-474835/14	5.0	20.754396	50.0	97124.0	4.150879	Y
3	IC 410-474835/15	10.0	42.421686	50.0	98960.0	4.242169	Y
4	IC 410-474835/16	20.0	90.061372	50.0	94505.0	4.503069	Y
5	IC 410-474835/17	50.0	219.396337	50.0	102375.0	4.387927	Y
6	ICIS 410-474835/18	100.0	432.398738	50.0	106160.0	4.323987	Y
7	IC 410-474835/19	250.0	1026.33455	50.0	112922.0	4.105338	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

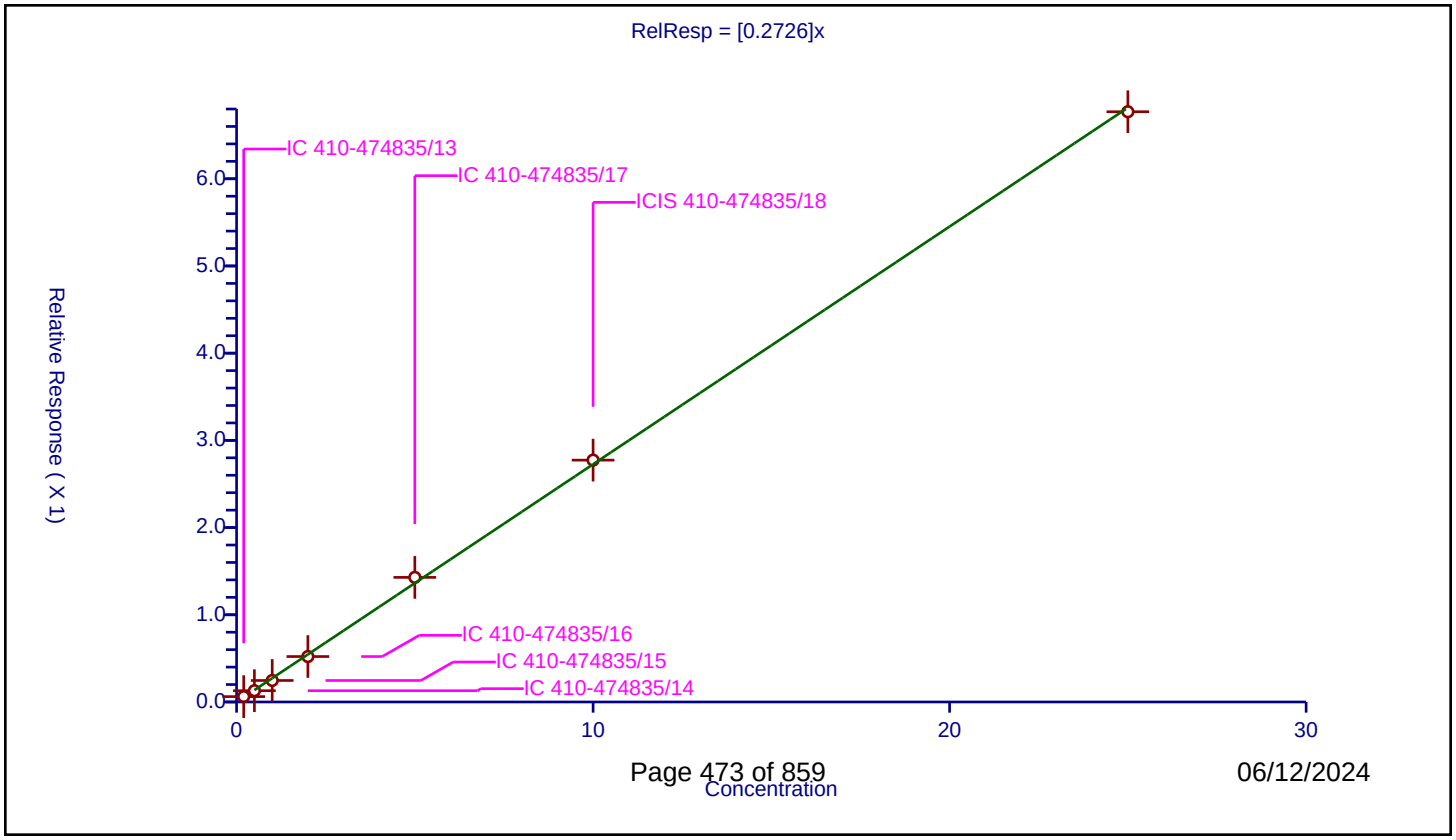
Curve Coefficients

Intercept:	0
Slope:	0.2726

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.061679	10.0	2065535.0	0.308395	Y
2	IC 410-474835/14	0.5	0.129363	10.0	2166842.0	0.258727	Y
3	IC 410-474835/15	1.0	0.246663	10.0	2218490.0	0.246663	Y
4	IC 410-474835/16	2.0	0.521201	10.0	2161085.0	0.260601	Y
5	IC 410-474835/17	5.0	1.428976	10.0	2194446.0	0.285795	Y
6	ICIS 410-474835/18	10.0	2.773449	10.0	2265991.0	0.277345	Y
7	IC 410-474835/19	25.0	6.768773	10.0	2331817.0	0.270751	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

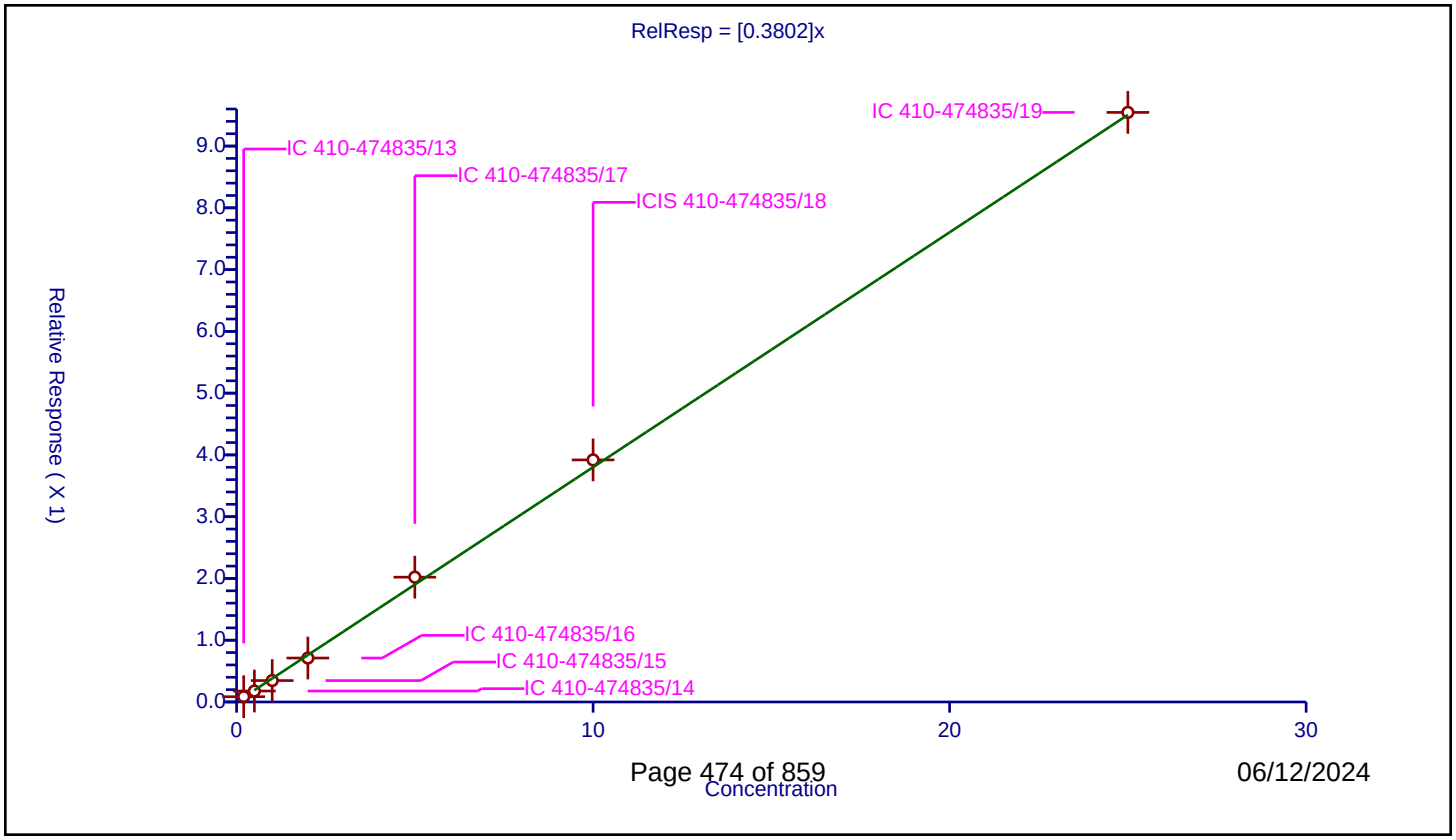
Curve Coefficients

Intercept:	0
Slope:	0.3802

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.08514	10.0	2065535.0	0.425701	Y
2	IC 410-474835/14	0.5	0.177484	10.0	2166842.0	0.354968	Y
3	IC 410-474835/15	1.0	0.347024	10.0	2218490.0	0.347024	Y
4	IC 410-474835/16	2.0	0.711564	10.0	2161085.0	0.355782	Y
5	IC 410-474835/17	5.0	2.020651	10.0	2194446.0	0.40413	Y
6	ICIS 410-474835/18	10.0	3.919473	10.0	2265991.0	0.391947	Y
7	IC 410-474835/19	25.0	9.54526	10.0	2331817.0	0.38181	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

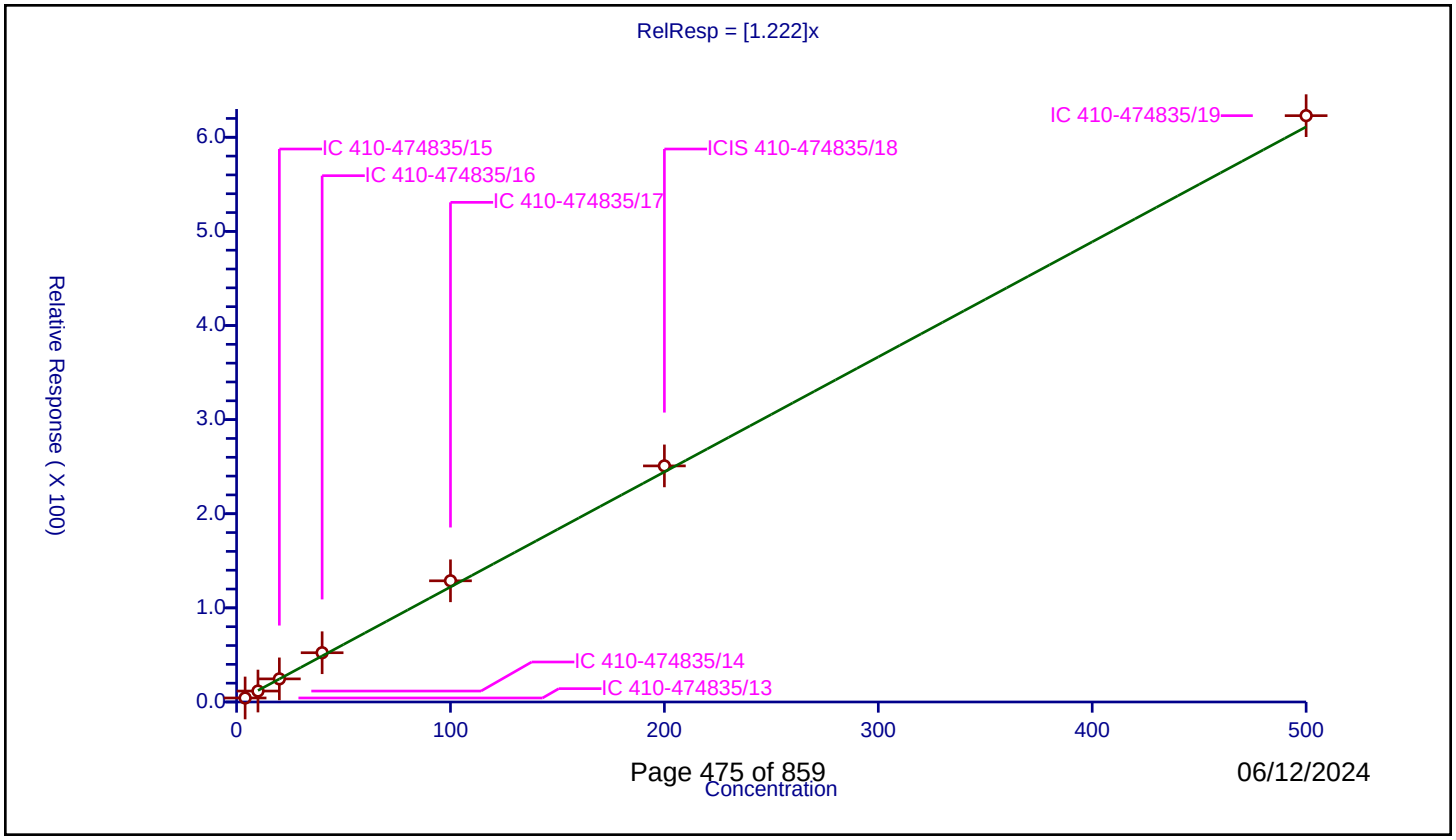
Curve Coefficients

Intercept:	0
Slope:	1.222

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	4.0	4.273159	50.0	91478.0	1.06829	Y
2	IC 410-474835/14	10.0	11.627404	50.0	97124.0	1.16274	Y
3	IC 410-474835/15	20.0	24.545271	50.0	98960.0	1.227264	Y
4	IC 410-474835/16	40.0	52.348553	50.0	94505.0	1.308714	Y
5	IC 410-474835/17	100.0	128.764835	50.0	102375.0	1.287648	Y
6	ICIS 410-474835/18	200.0	250.847306	50.0	106160.0	1.254237	Y
7	IC 410-474835/19	500.0	622.934858	50.0	112922.0	1.24587	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

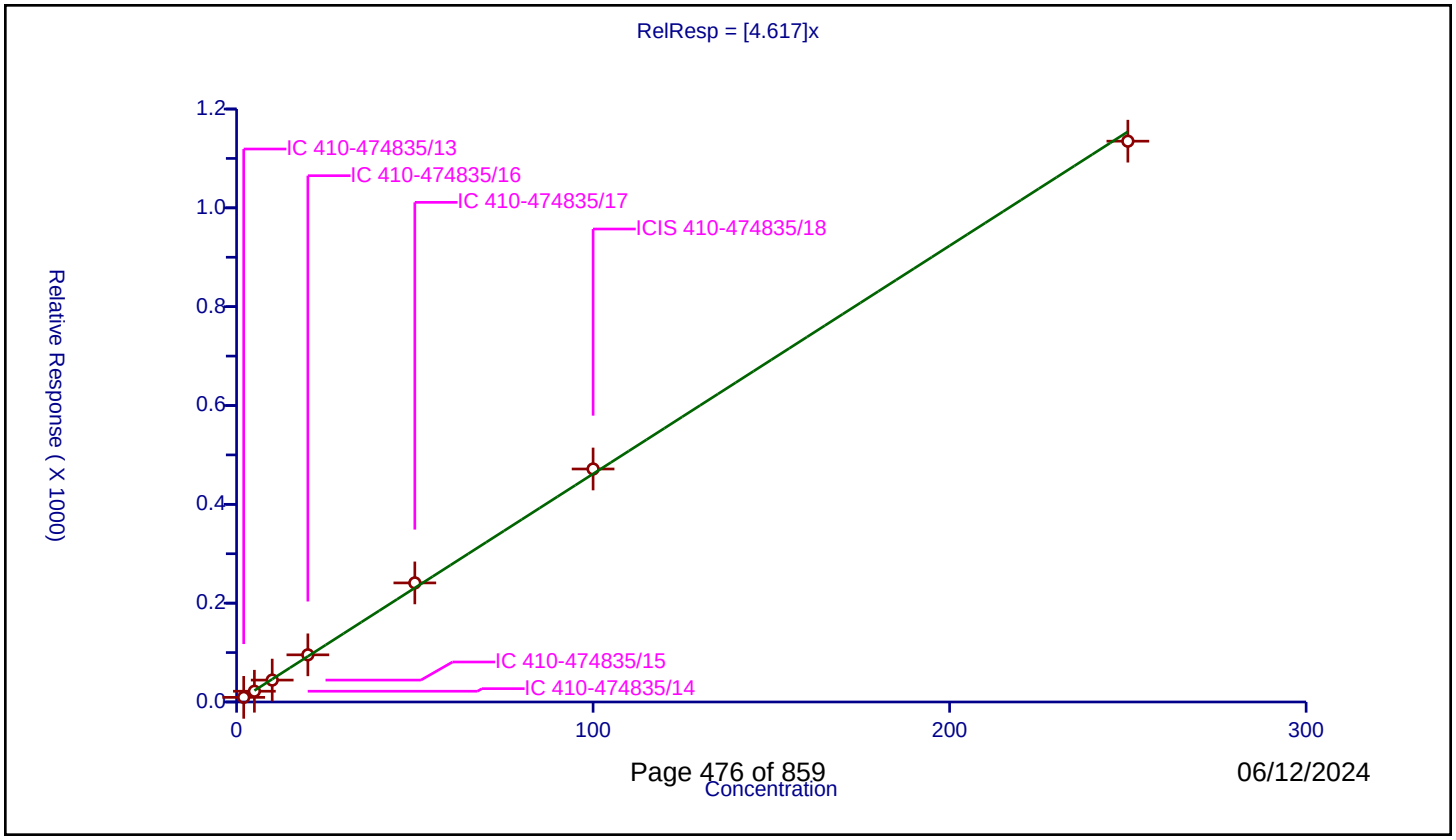
Curve Coefficients

Intercept:	0
Slope:	4.617

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	2.0	9.355801	50.0	91478.0	4.677901	Y
2	IC 410-474835/14	5.0	21.794819	50.0	97124.0	4.358964	Y
3	IC 410-474835/15	10.0	44.314875	50.0	98960.0	4.431487	Y
4	IC 410-474835/16	20.0	95.45897	50.0	94505.0	4.772949	Y
5	IC 410-474835/17	50.0	240.981197	50.0	102375.0	4.819624	Y
6	ICIS 410-474835/18	100.0	471.537302	50.0	106160.0	4.715373	Y
7	IC 410-474835/19	250.0	1134.931634	50.0	112922.0	4.539727	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

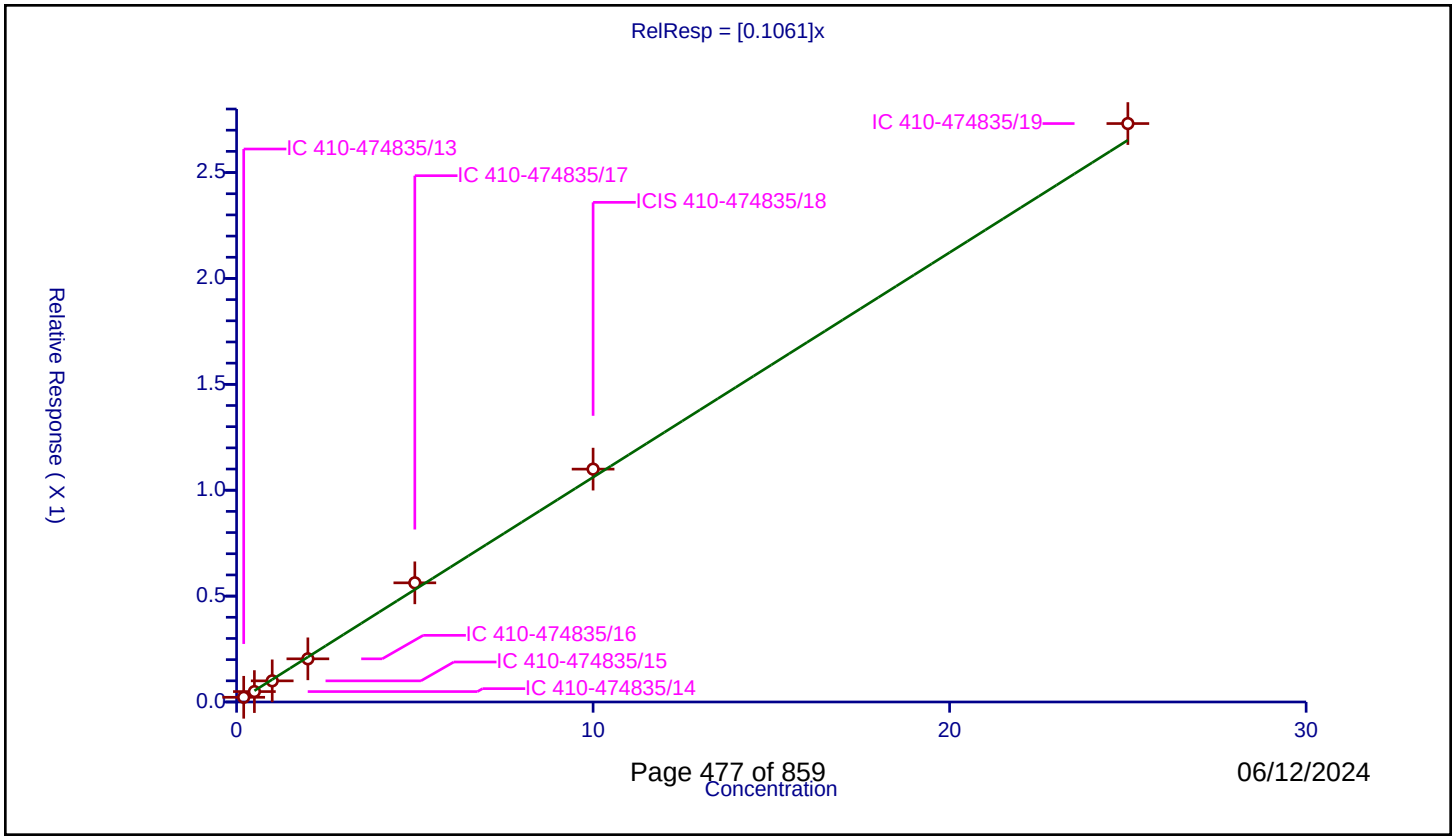
Curve Coefficients

Intercept:	0
Slope:	0.1061

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.022207	10.0	2065535.0	0.111037	Y
2	IC 410-474835/14	0.5	0.049182	10.0	2166842.0	0.098364	Y
3	IC 410-474835/15	1.0	0.099816	10.0	2218490.0	0.099816	Y
4	IC 410-474835/16	2.0	0.203768	10.0	2161085.0	0.101884	Y
5	IC 410-474835/17	5.0	0.562675	10.0	2194446.0	0.112535	Y
6	ICIS 410-474835/18	10.0	1.099612	10.0	2265991.0	0.109961	Y
7	IC 410-474835/19	25.0	2.731364	10.0	2331817.0	0.109255	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

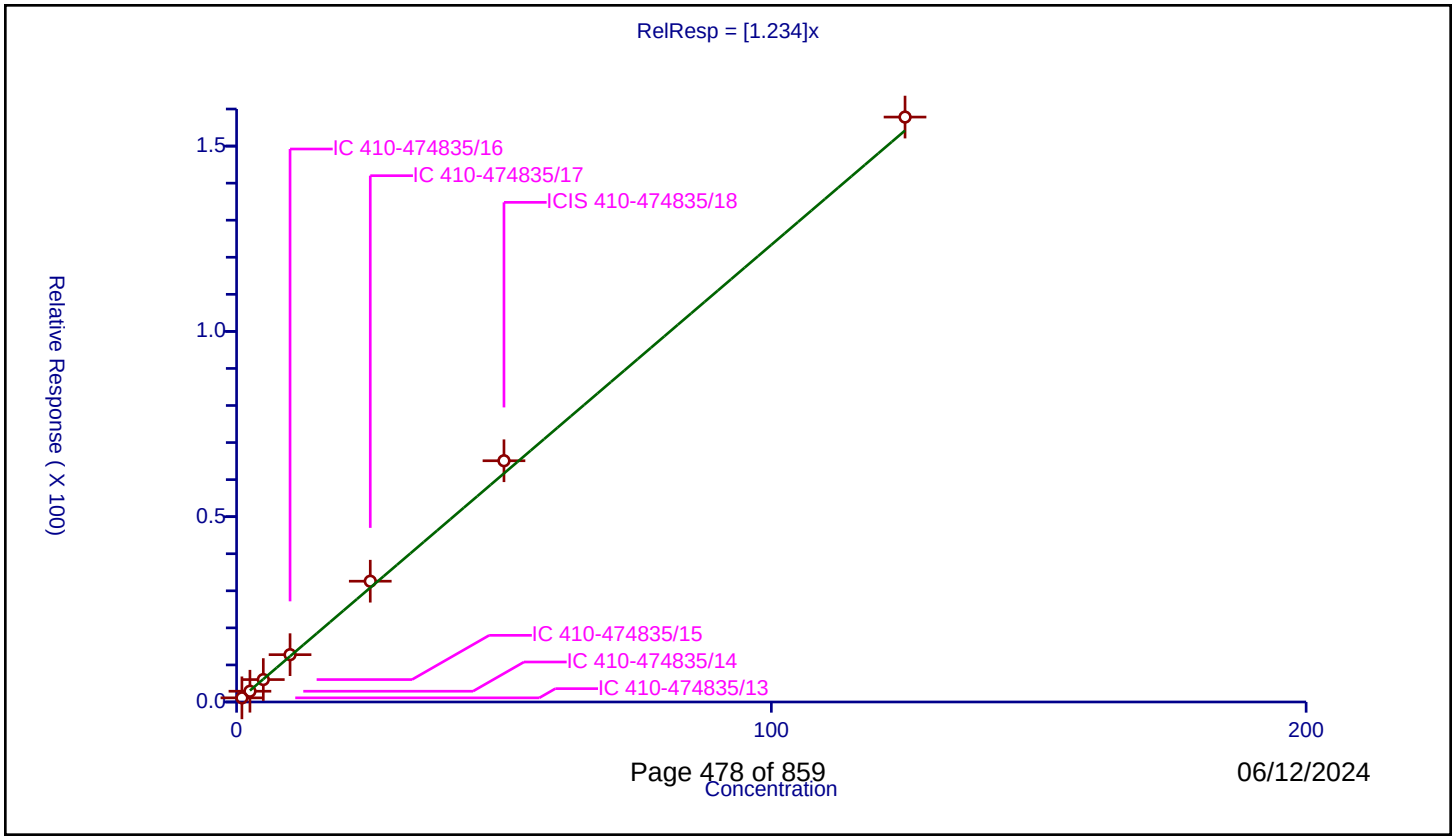
Curve Coefficients

Intercept:	0
Slope:	1.234

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	1.0	1.121035	50.0	91478.0	1.121035	Y
2	IC 410-474835/14	2.5	2.901446	50.0	97124.0	1.160578	Y
3	IC 410-474835/15	5.0	6.044867	50.0	98960.0	1.208973	Y
4	IC 410-474835/16	10.0	12.764933	50.0	94505.0	1.276493	Y
5	IC 410-474835/17	25.0	32.590965	50.0	102375.0	1.303639	Y
6	ICIS 410-474835/18	50.0	65.094668	50.0	106160.0	1.301893	Y
7	IC 410-474835/19	125.0	157.82487	50.0	112922.0	1.262599	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

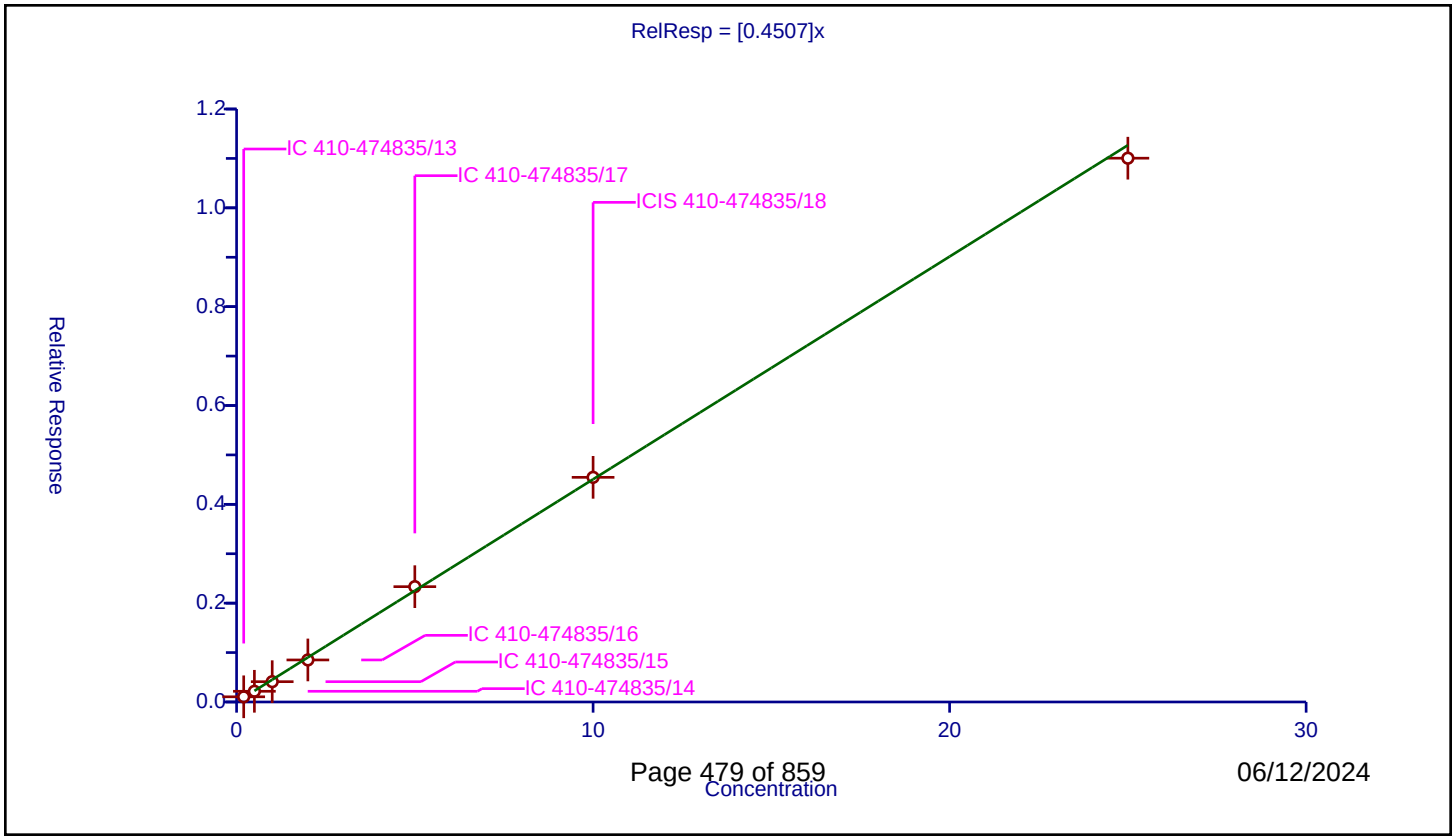
Curve Coefficients

Intercept:	0
Slope:	0.4507

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.104723	10.0	2065535.0	0.523617	Y
2	IC 410-474835/14	0.5	0.216846	10.0	2166842.0	0.433691	Y
3	IC 410-474835/15	1.0	0.410694	10.0	2218490.0	0.410694	Y
4	IC 410-474835/16	2.0	0.850758	10.0	2161085.0	0.425379	Y
5	IC 410-474835/17	5.0	2.33365	10.0	2194446.0	0.46673	Y
6	ICIS 410-474835/18	10.0	4.546143	10.0	2265991.0	0.454614	Y
7	IC 410-474835/19	25.0	11.005117	10.0	2331817.0	0.440205	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

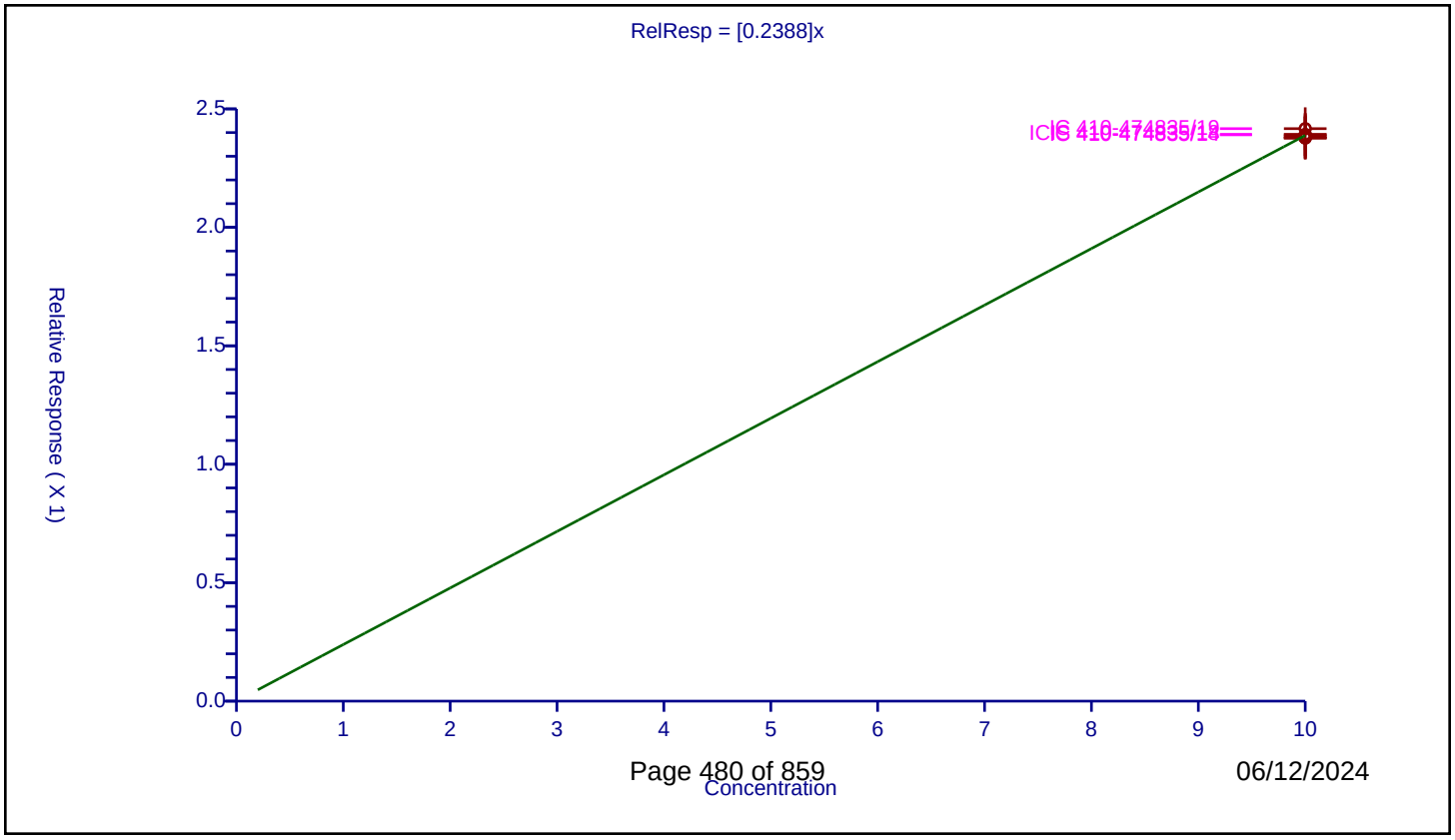
Curve Coefficients

Intercept:	0
Slope:	0.2388

Error Coefficients

Relative Standard Deviation:	0.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	10.0	2.377558	10.0	2065535.0	0.237756	Y
2	IC 410-474835/14	10.0	2.390659	10.0	2166842.0	0.239066	Y
3	IC 410-474835/15	10.0	2.376986	10.0	2218490.0	0.237699	Y
4	IC 410-474835/16	10.0	2.383682	10.0	2161085.0	0.238368	Y
5	IC 410-474835/17	10.0	2.3786	10.0	2194446.0	0.23786	Y
6	ICIS 410-474835/18	10.0	2.392256	10.0	2265991.0	0.239226	Y
7	IC 410-474835/19	10.0	2.41657	10.0	2331817.0	0.241657	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

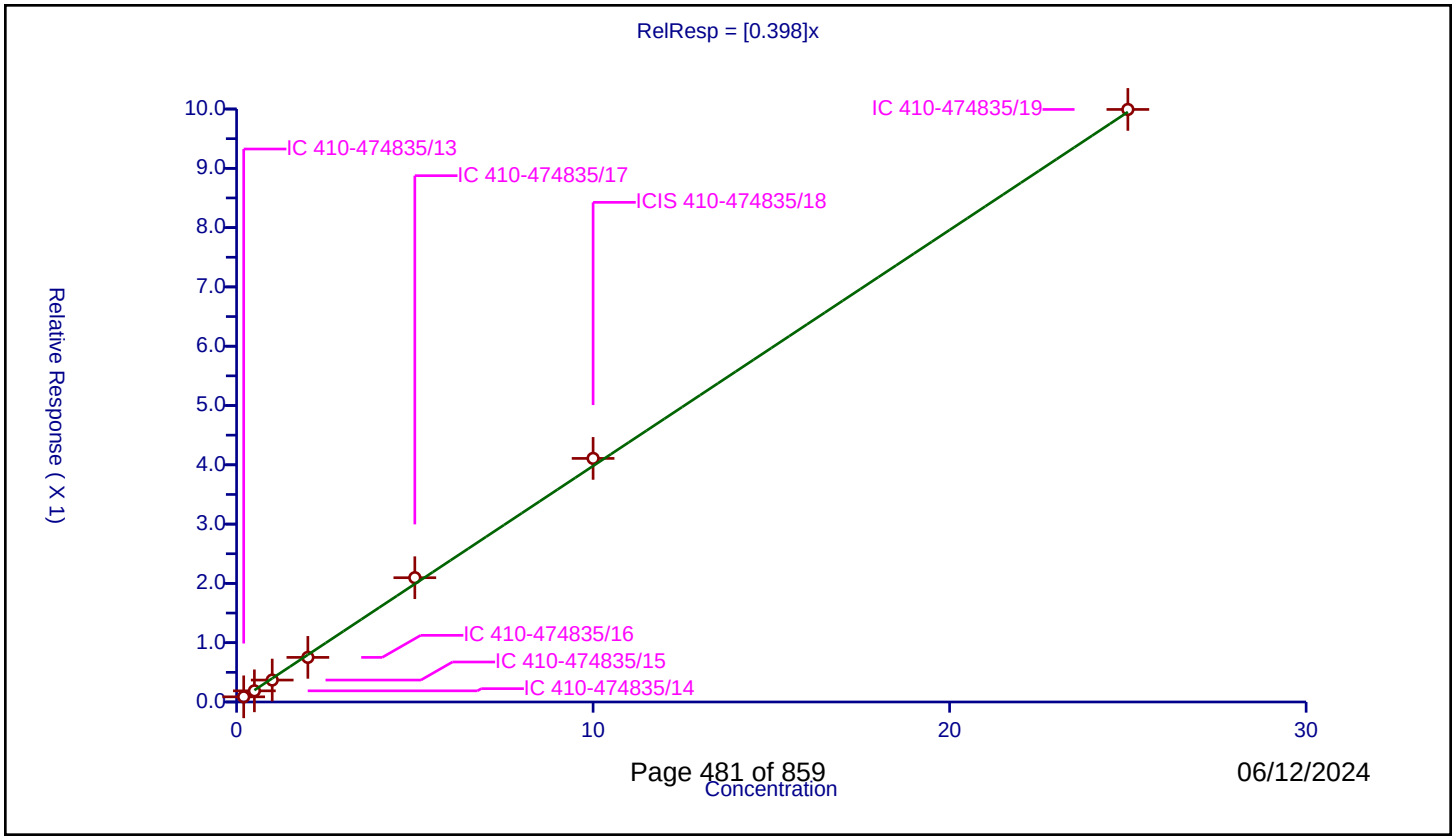
Curve Coefficients

Intercept:	0
Slope:	0.398

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.086806	10.0	2065535.0	0.434028	Y
2	IC 410-474835/14	0.5	0.188205	10.0	2166842.0	0.37641	Y
3	IC 410-474835/15	1.0	0.369819	10.0	2218490.0	0.369819	Y
4	IC 410-474835/16	2.0	0.75215	10.0	2161085.0	0.376075	Y
5	IC 410-474835/17	5.0	2.095846	10.0	2194446.0	0.419169	Y
6	ICIS 410-474835/18	10.0	4.108039	10.0	2265991.0	0.410804	Y
7	IC 410-474835/19	25.0	9.992577	10.0	2331817.0	0.399703	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

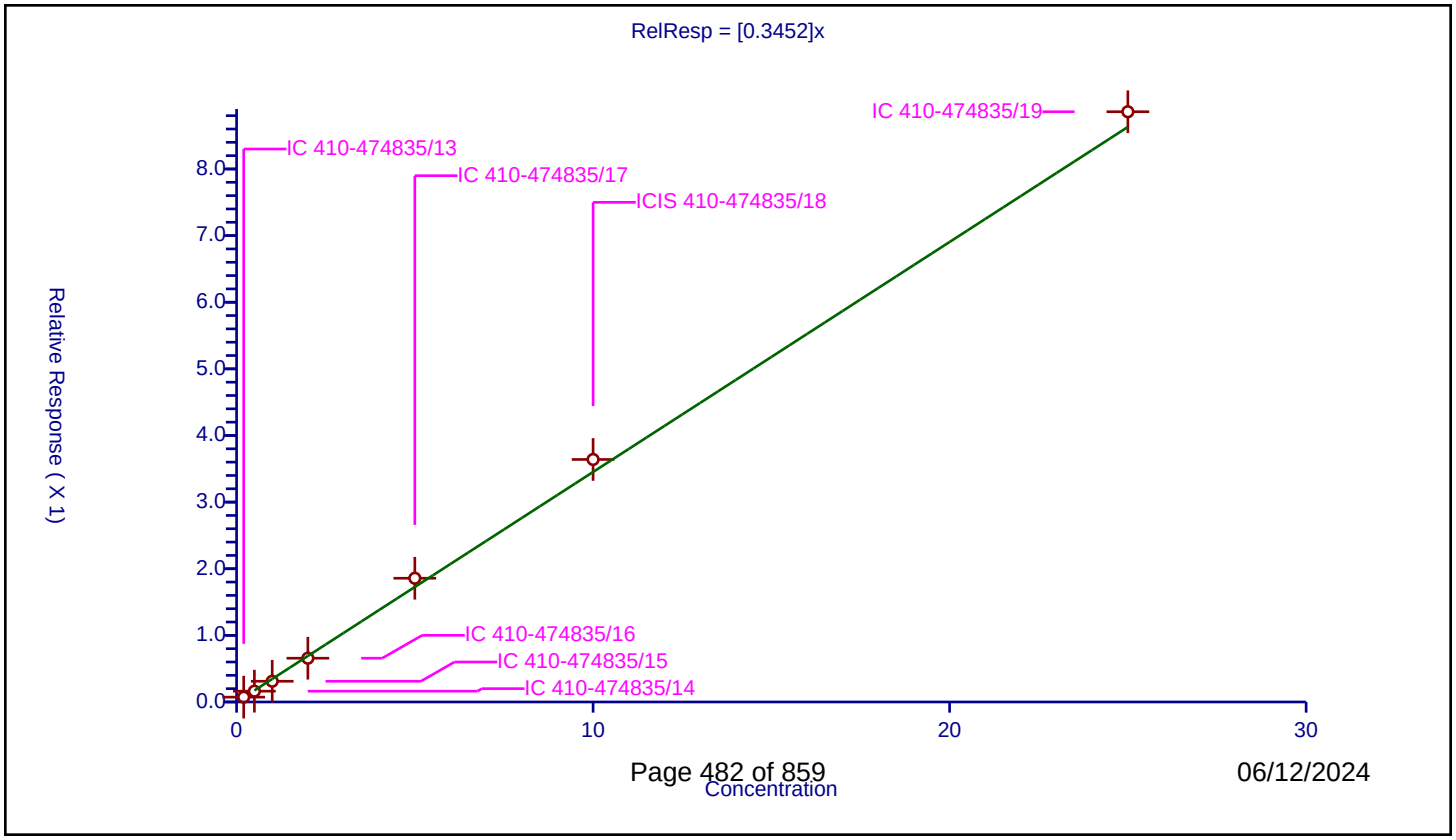
Curve Coefficients

Intercept:	0
Slope:	0.3452

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.07249	10.0	2065535.0	0.362448	Y
2	IC 410-474835/14	0.5	0.162218	10.0	2166842.0	0.324435	Y
3	IC 410-474835/15	1.0	0.311333	10.0	2218490.0	0.311333	Y
4	IC 410-474835/16	2.0	0.657022	10.0	2161085.0	0.328511	Y
5	IC 410-474835/17	5.0	1.857302	10.0	2194446.0	0.37146	Y
6	ICIS 410-474835/18	10.0	3.639913	10.0	2265991.0	0.363991	Y
7	IC 410-474835/19	25.0	8.859091	10.0	2331817.0	0.354364	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

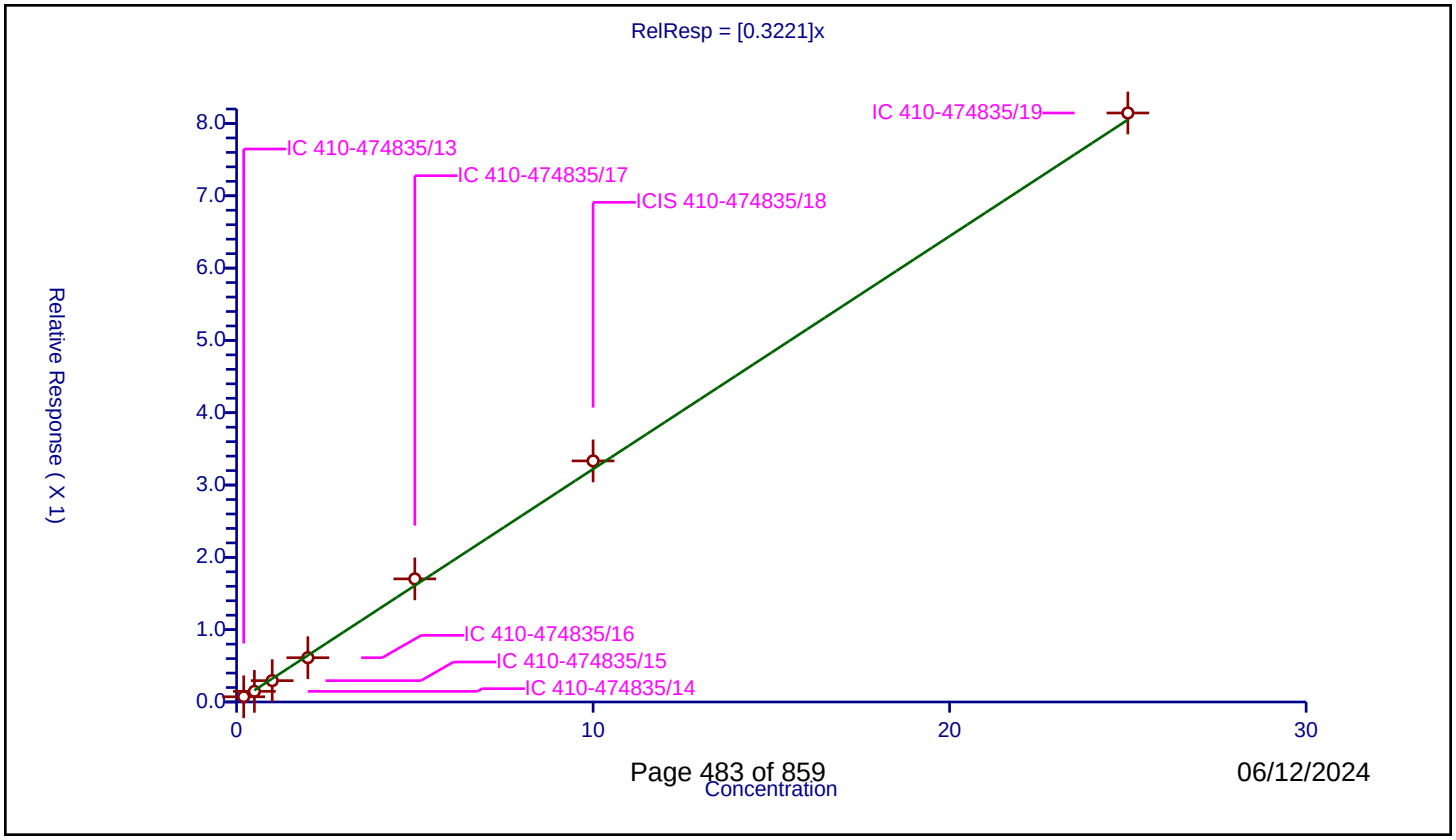
Curve Coefficients

Intercept:	0
Slope:	0.3221

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.071952	10.0	2065535.0	0.359762	Y
2	IC 410-474835/14	0.5	0.146831	10.0	2166842.0	0.293662	Y
3	IC 410-474835/15	1.0	0.295332	10.0	2218490.0	0.295332	Y
4	IC 410-474835/16	2.0	0.61216	10.0	2161085.0	0.30608	Y
5	IC 410-474835/17	5.0	1.702489	10.0	2194446.0	0.340498	Y
6	ICIS 410-474835/18	10.0	3.333751	10.0	2265991.0	0.333375	Y
7	IC 410-474835/19	25.0	8.144974	10.0	2331817.0	0.325799	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

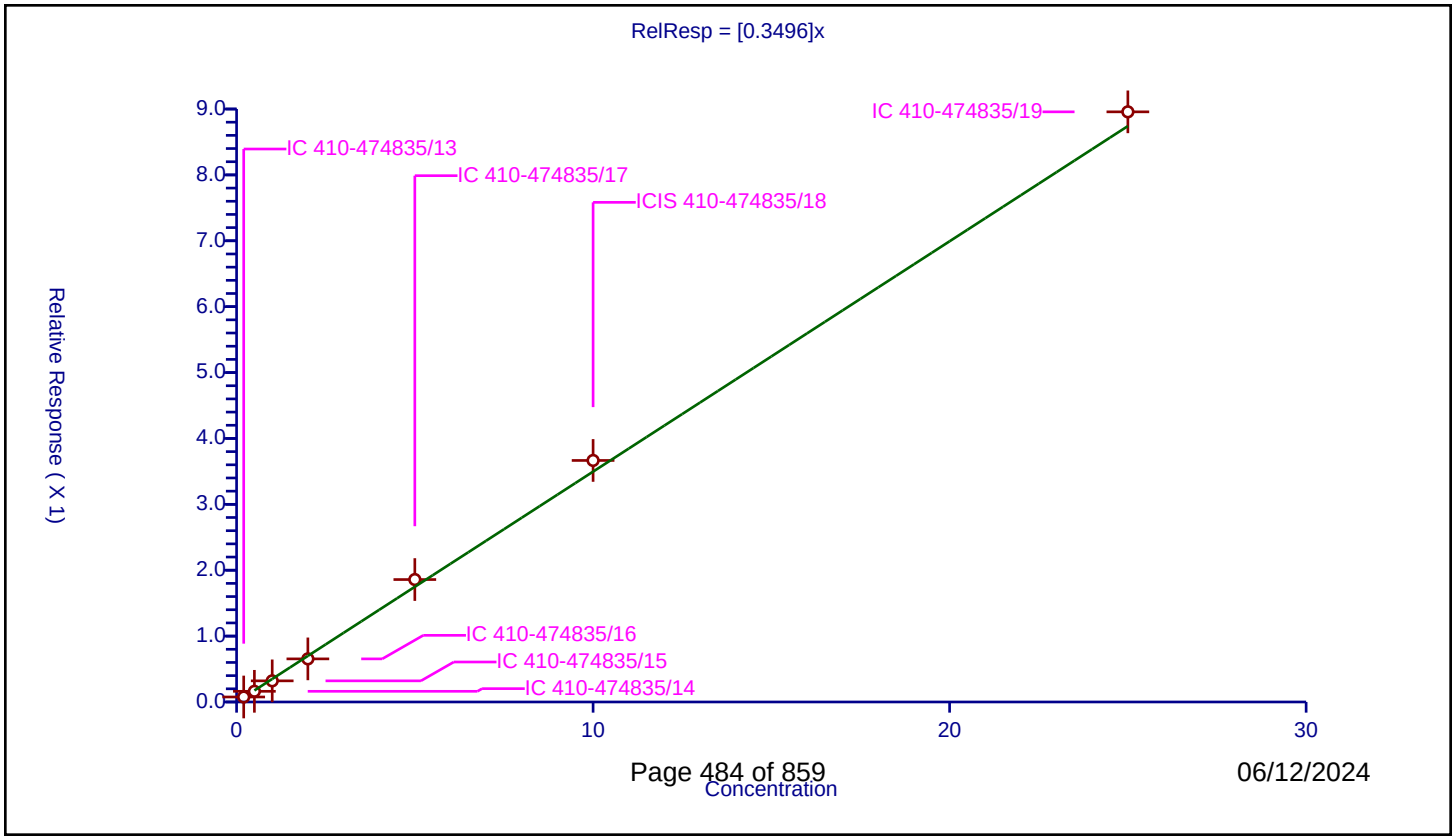
Curve Coefficients

Intercept:	0
Slope:	0.3496

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.075695	10.0	2065535.0	0.378473	Y
2	IC 410-474835/14	0.5	0.162231	10.0	2166842.0	0.324463	Y
3	IC 410-474835/15	1.0	0.320826	10.0	2218490.0	0.320826	Y
4	IC 410-474835/16	2.0	0.654273	10.0	2161085.0	0.327137	Y
5	IC 410-474835/17	5.0	1.858164	10.0	2194446.0	0.371633	Y
6	ICIS 410-474835/18	10.0	3.665866	10.0	2265991.0	0.366587	Y
7	IC 410-474835/19	25.0	8.957174	10.0	2331817.0	0.358287	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

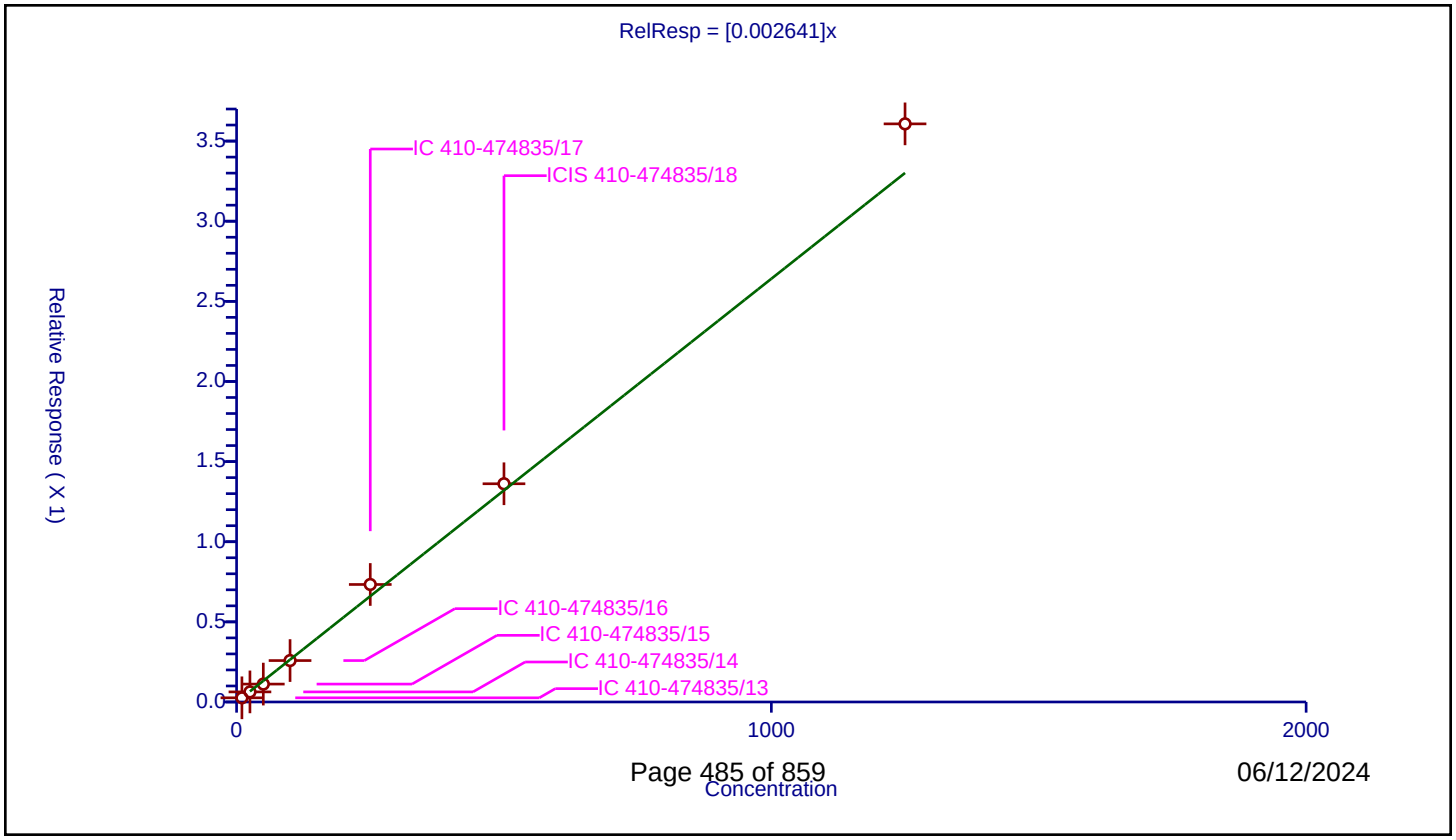
Curve Coefficients

Intercept:	0
Slope:	0.002641

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	10.0	0.026047	10.0	2065535.0	0.002605	Y
2	IC 410-474835/14	25.0	0.06299	10.0	2166842.0	0.00252	Y
3	IC 410-474835/15	50.0	0.11177	10.0	2218490.0	0.002235	Y
4	IC 410-474835/16	100.0	0.258412	10.0	2161085.0	0.002584	Y
5	IC 410-474835/17	250.0	0.733265	10.0	2194446.0	0.002933	Y
6	ICIS 410-474835/18	500.0	1.361607	10.0	2265991.0	0.002723	Y
7	IC 410-474835/19	1250.0	3.607281	10.0	2331817.0	0.002886	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

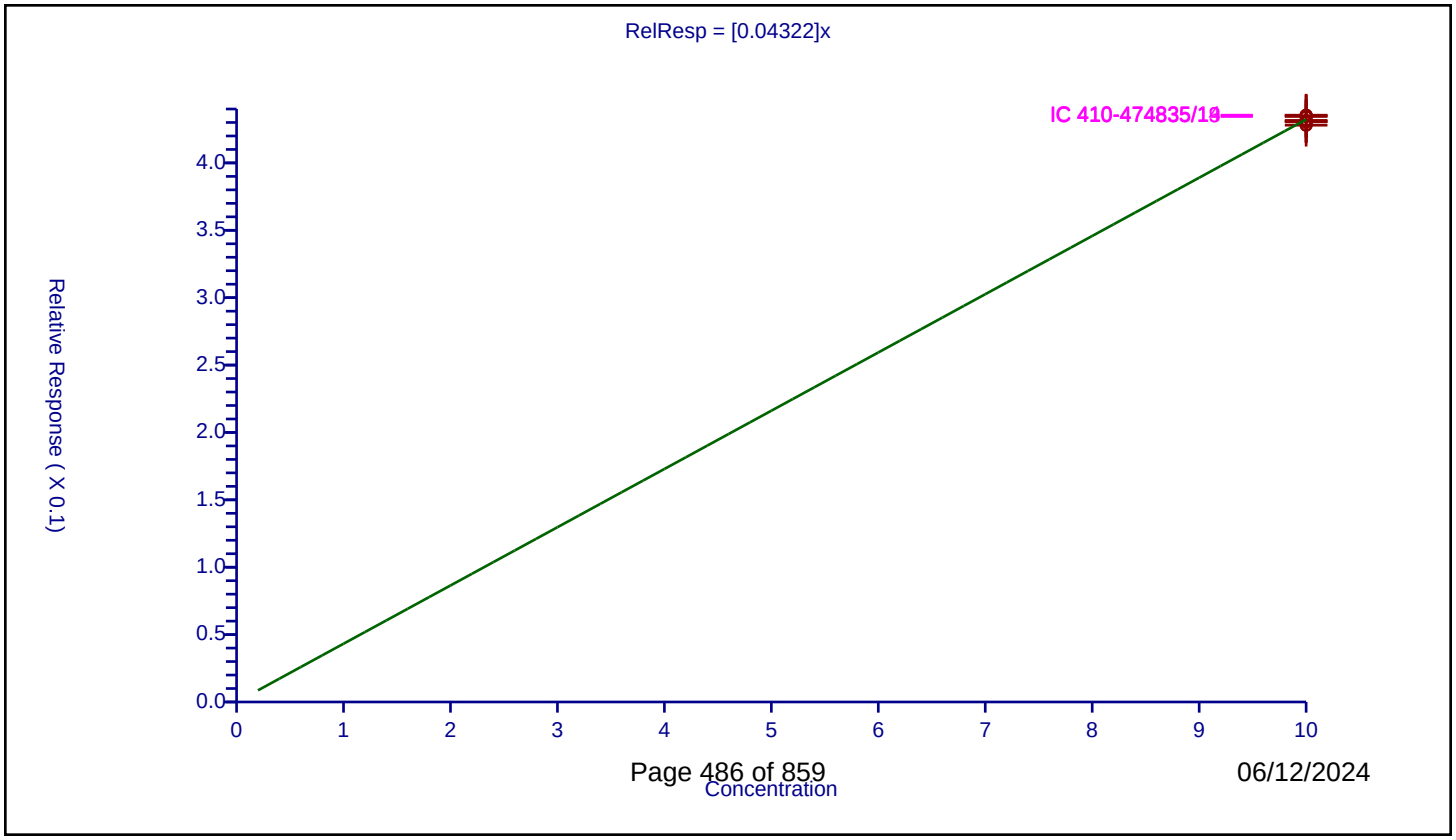
Curve Coefficients

Intercept:	0
Slope:	0.04322

Error Coefficients

Relative Standard Deviation:	0.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	10.0	0.435011	10.0	2065535.0	0.043501	Y
2	IC 410-474835/14	10.0	0.435436	10.0	2166842.0	0.043544	Y
3	IC 410-474835/15	10.0	0.430473	10.0	2218490.0	0.043047	Y
4	IC 410-474835/16	10.0	0.430839	10.0	2161085.0	0.043084	Y
5	IC 410-474835/17	10.0	0.431544	10.0	2194446.0	0.043154	Y
6	ICIS 410-474835/18	10.0	0.427985	10.0	2265991.0	0.042798	Y
7	IC 410-474835/19	10.0	0.434459	10.0	2331817.0	0.043446	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

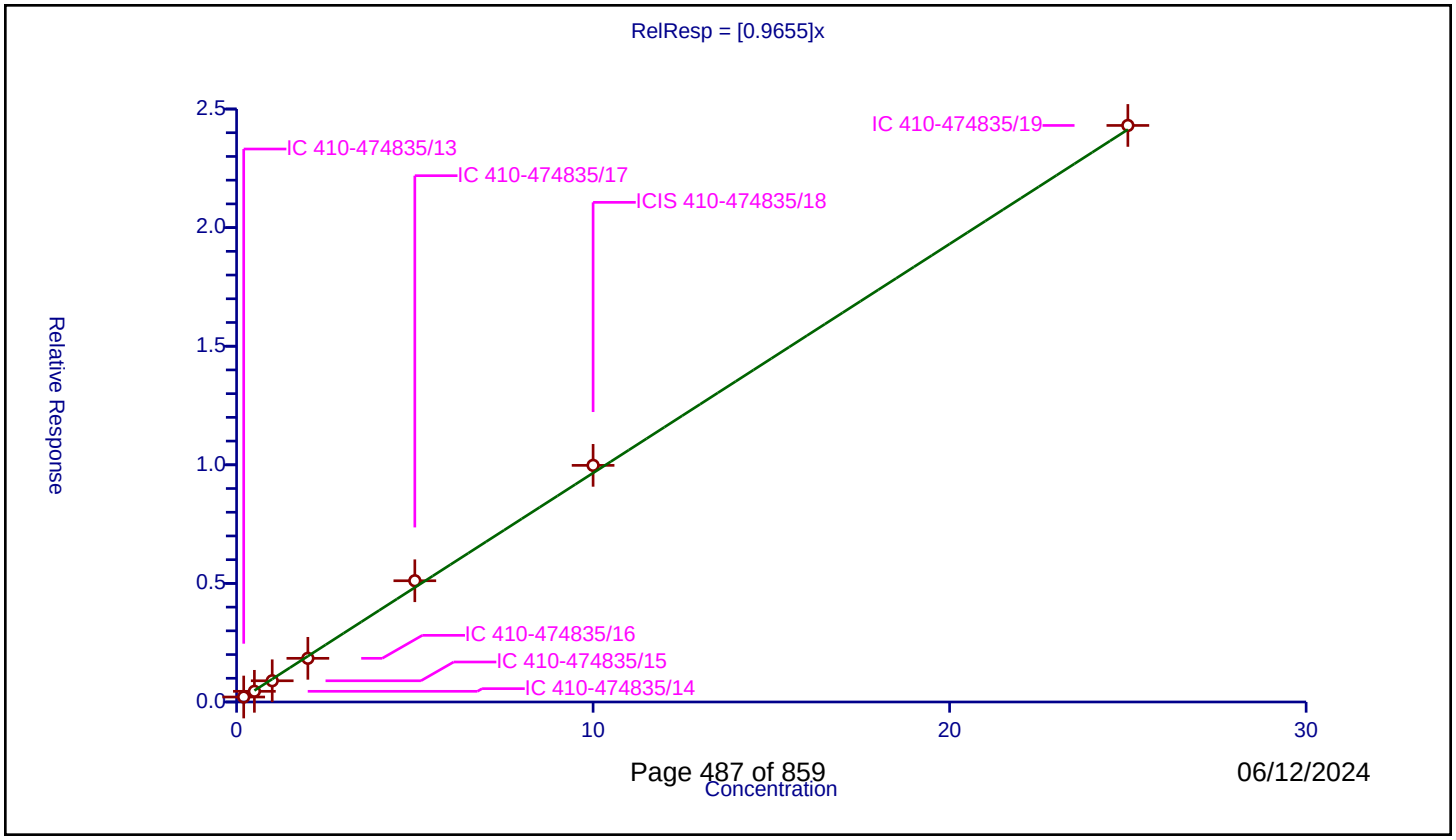
Curve Coefficients

Intercept:	0
Slope:	0.9655

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.210004	10.0	2065535.0	1.050019	Y
2	IC 410-474835/14	0.5	0.450554	10.0	2166842.0	0.901109	Y
3	IC 410-474835/15	1.0	0.894297	10.0	2218490.0	0.894297	Y
4	IC 410-474835/16	2.0	1.841163	10.0	2161085.0	0.920582	Y
5	IC 410-474835/17	5.0	5.111723	10.0	2194446.0	1.022345	Y
6	ICIS 410-474835/18	10.0	9.976787	10.0	2265991.0	0.997679	Y
7	IC 410-474835/19	25.0	24.307152	10.0	2331817.0	0.972286	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

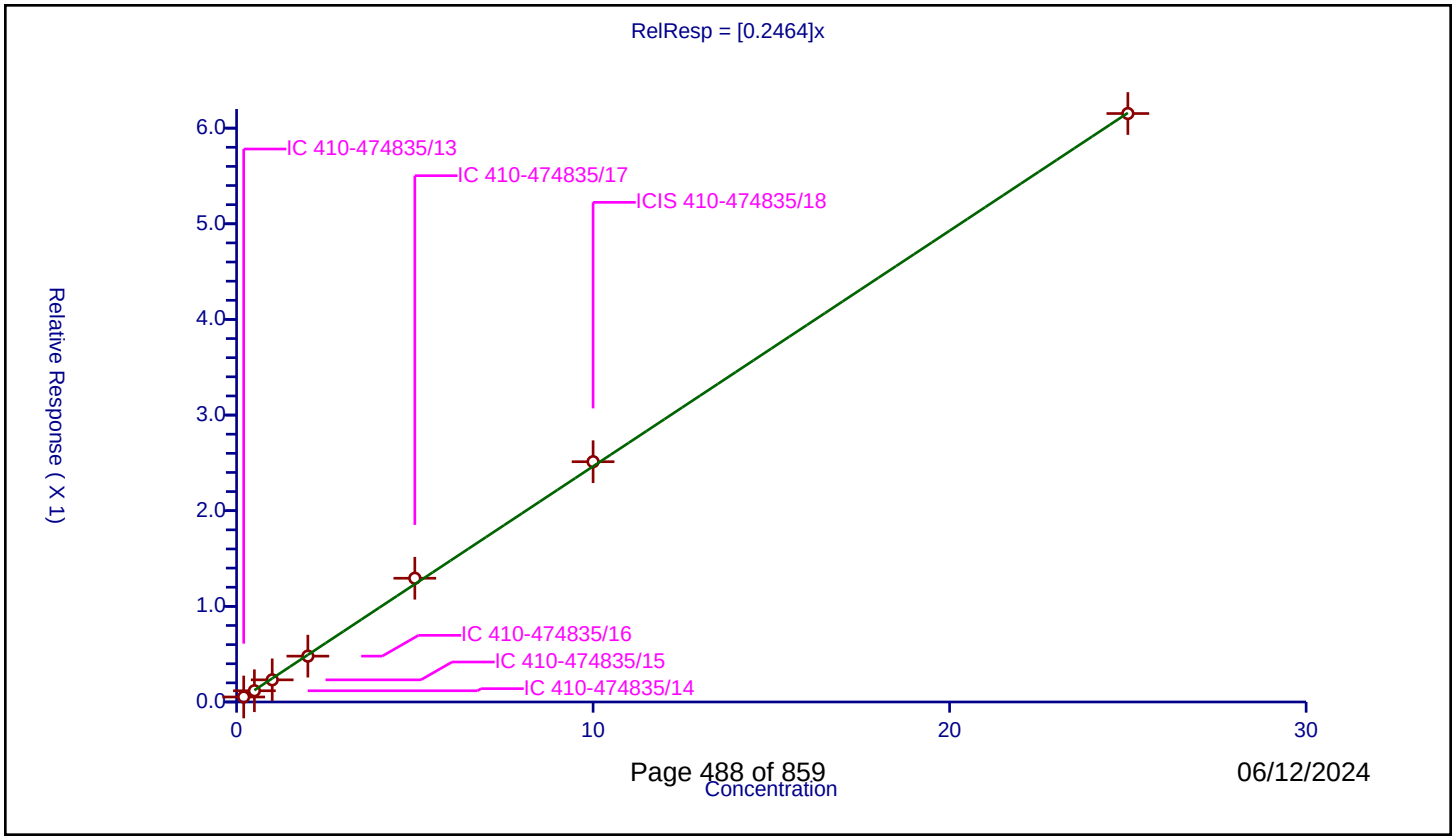
Curve Coefficients

Intercept:	0
Slope:	0.2464

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.052408	10.0	2065535.0	0.262039	Y
2	IC 410-474835/14	0.5	0.117577	10.0	2166842.0	0.235153	Y
3	IC 410-474835/15	1.0	0.231545	10.0	2218490.0	0.231545	Y
4	IC 410-474835/16	2.0	0.479551	10.0	2161085.0	0.239775	Y
5	IC 410-474835/17	5.0	1.293771	10.0	2194446.0	0.258754	Y
6	ICIS 410-474835/18	10.0	2.512331	10.0	2265991.0	0.251233	Y
7	IC 410-474835/19	25.0	6.152751	10.0	2331817.0	0.24611	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

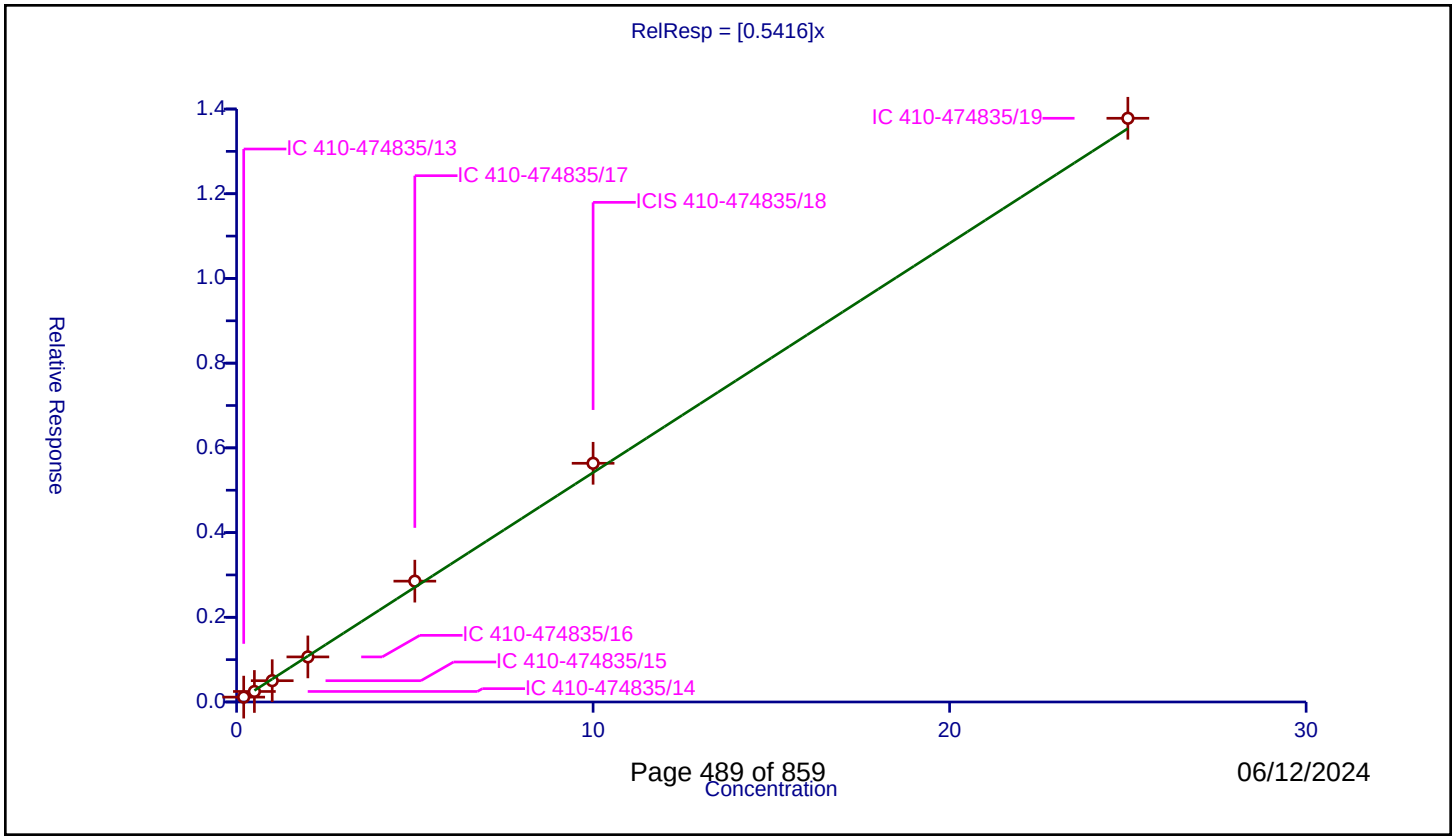
Curve Coefficients

Intercept:	0
Slope:	0.5416

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.1149	10.0	2065535.0	0.5745	Y
2	IC 410-474835/14	0.5	0.248269	10.0	2166842.0	0.496538	Y
3	IC 410-474835/15	1.0	0.502734	10.0	2218490.0	0.502734	Y
4	IC 410-474835/16	2.0	1.064021	10.0	2161085.0	0.532011	Y
5	IC 410-474835/17	5.0	2.853107	10.0	2194446.0	0.570621	Y
6	ICIS 410-474835/18	10.0	5.635503	10.0	2265991.0	0.56355	Y
7	IC 410-474835/19	25.0	13.781828	10.0	2331817.0	0.551273	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

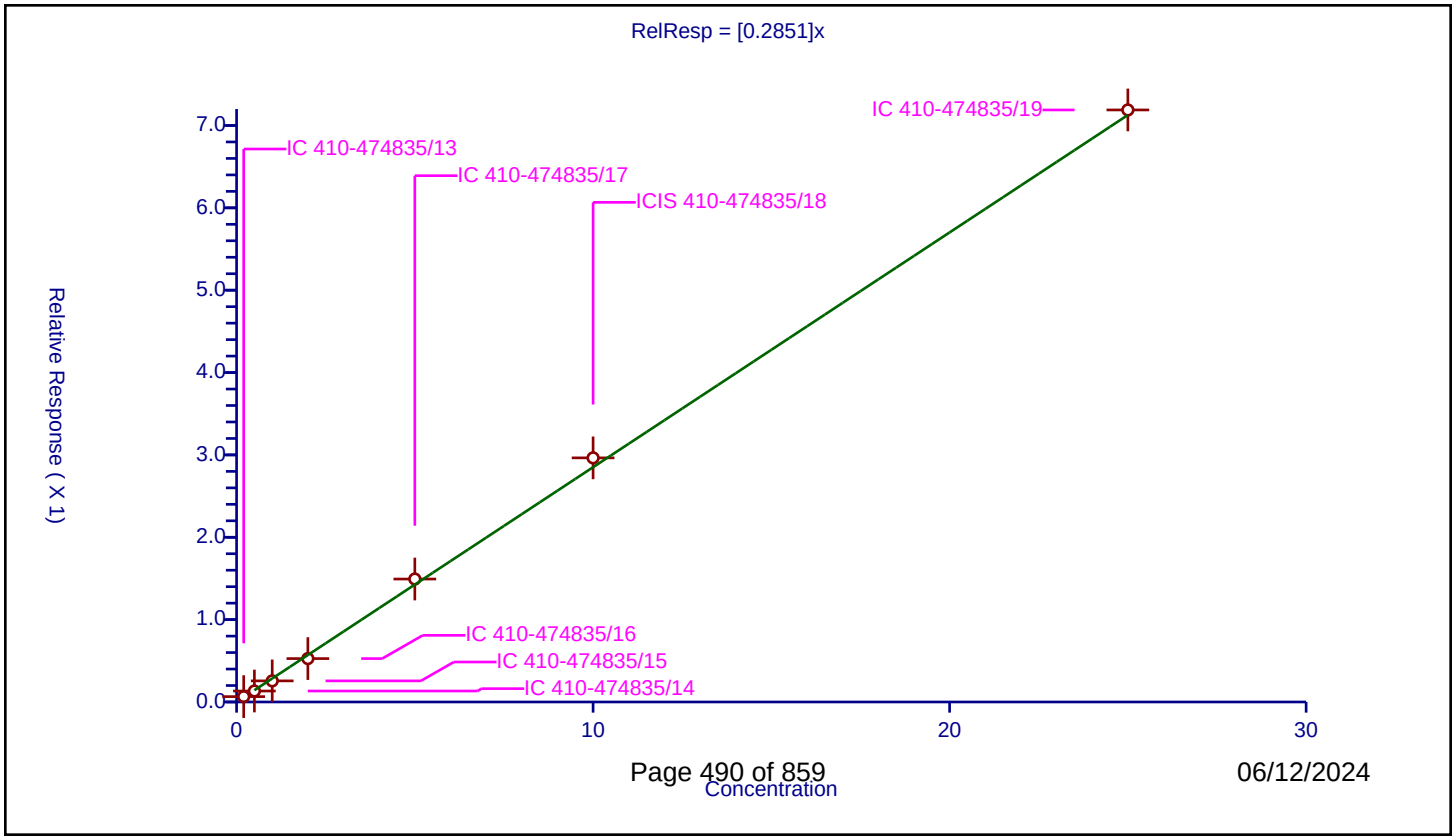
Curve Coefficients

Intercept:	0
Slope:	0.2851

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.065281	10.0	2065535.0	0.326405	Y
2	IC 410-474835/14	0.5	0.133369	10.0	2166842.0	0.266738	Y
3	IC 410-474835/15	1.0	0.256269	10.0	2218490.0	0.256269	Y
4	IC 410-474835/16	2.0	0.527078	10.0	2161085.0	0.263539	Y
5	IC 410-474835/17	5.0	1.492987	10.0	2194446.0	0.298597	Y
6	ICIS 410-474835/18	10.0	2.964045	10.0	2265991.0	0.296405	Y
7	IC 410-474835/19	25.0	7.188699	10.0	2331817.0	0.287548	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

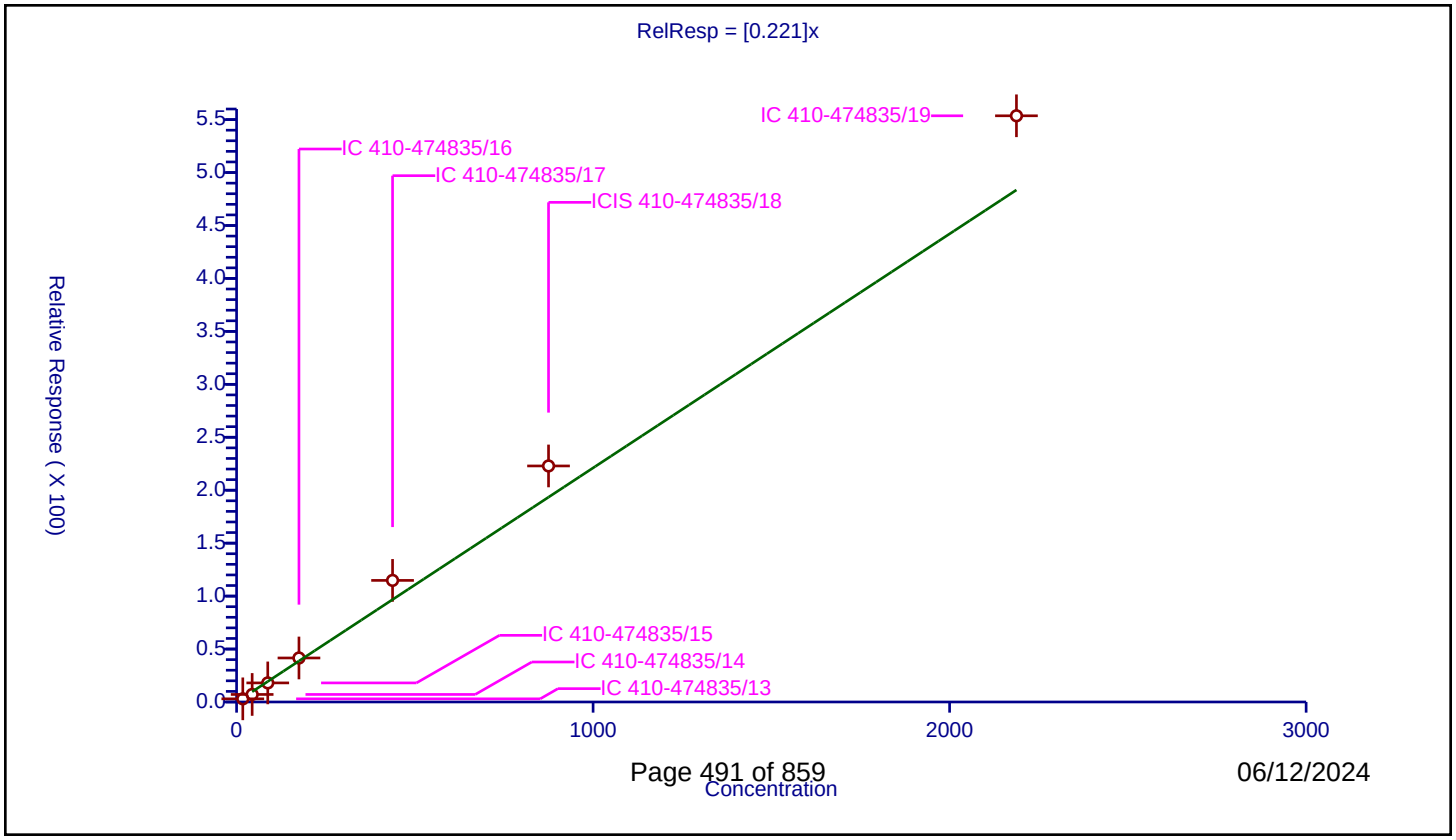
Curve Coefficients

Intercept:	0
Slope:	0.221

Error Coefficients

Relative Standard Deviation:	18.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	17.5	2.992523	50.0	91478.0	0.171001	Y
2	IC 410-474835/14	43.75	7.119764	50.0	97124.0	0.162737	Y
3	IC 410-474835/15	87.5	18.008286	50.0	98960.0	0.205809	Y
4	IC 410-474835/16	175.0	41.558648	50.0	94505.0	0.237478	Y
5	IC 410-474835/17	437.5	114.823443	50.0	102375.0	0.262454	Y
6	ICIS 410-474835/18	875.0	222.906462	50.0	106160.0	0.25475	Y
7	IC 410-474835/19	2187.5	553.59673	50.0	112922.0	0.253073	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

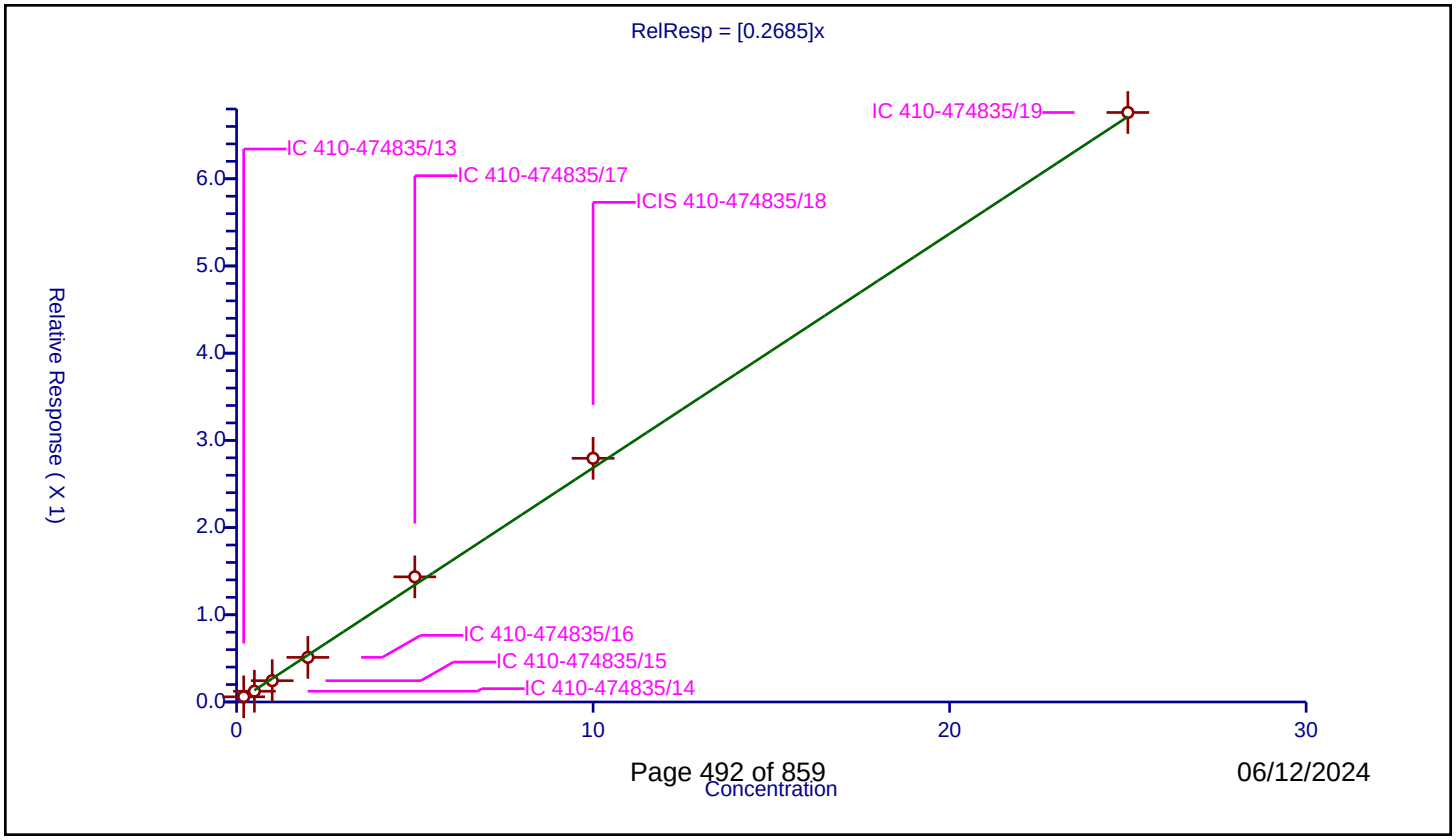
Curve Coefficients

Intercept:	0
Slope:	0.2685

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.059161	10.0	2065535.0	0.295807	Y
2	IC 410-474835/14	0.5	0.123502	10.0	2166842.0	0.247005	Y
3	IC 410-474835/15	1.0	0.244103	10.0	2218490.0	0.244103	Y
4	IC 410-474835/16	2.0	0.51134	10.0	2161085.0	0.25567	Y
5	IC 410-474835/17	5.0	1.435032	10.0	2194446.0	0.287006	Y
6	ICIS 410-474835/18	10.0	2.79472	10.0	2265991.0	0.279472	Y
7	IC 410-474835/19	25.0	6.760342	10.0	2331817.0	0.270414	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

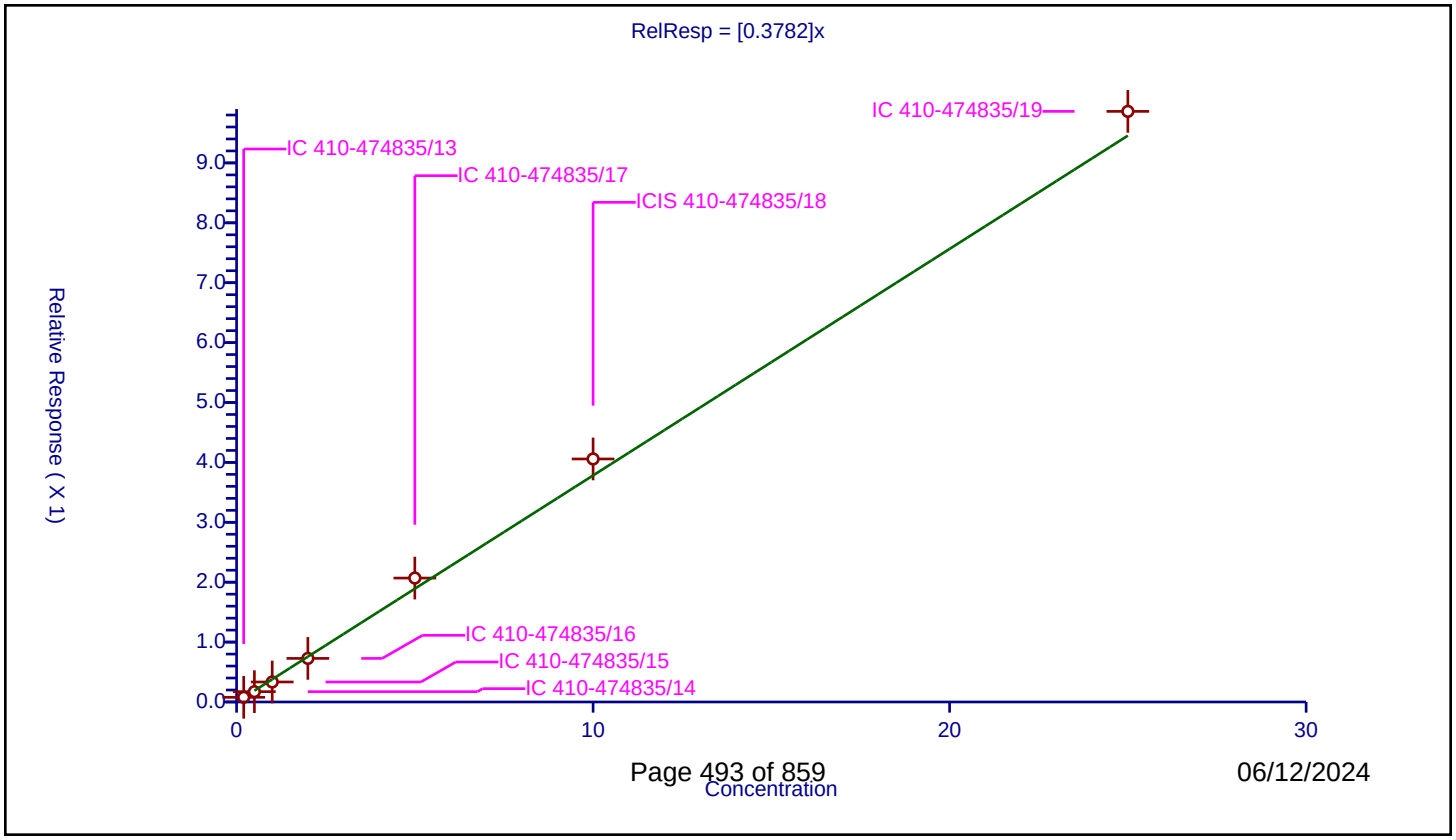
Curve Coefficients

Intercept:	0
Slope:	0.3782

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.078052	10.0	2065535.0	0.390262	Y
2	IC 410-474835/14	0.5	0.172703	10.0	2166842.0	0.345406	Y
3	IC 410-474835/15	1.0	0.33397	10.0	2218490.0	0.33397	Y
4	IC 410-474835/16	2.0	0.727773	10.0	2161085.0	0.363887	Y
5	IC 410-474835/17	5.0	2.069288	10.0	2194446.0	0.413858	Y
6	ICIS 410-474835/18	10.0	4.057439	10.0	2265991.0	0.405744	Y
7	IC 410-474835/19	25.0	9.860405	10.0	2331817.0	0.394416	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

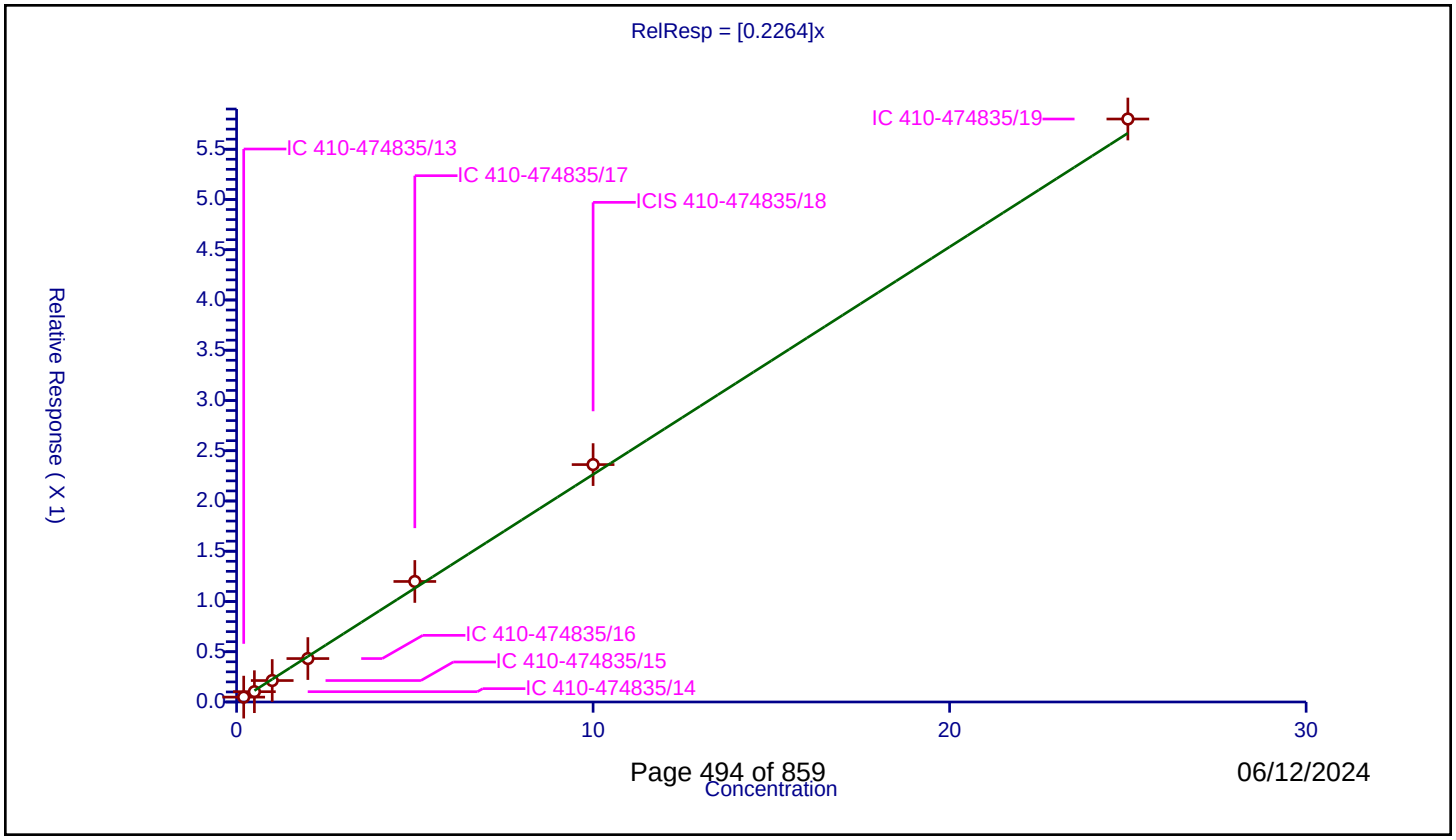
Curve Coefficients

Intercept:	0
Slope:	0.2264

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.048414	10.0	2065535.0	0.242068	Y
2	IC 410-474835/14	0.5	0.102569	10.0	2166842.0	0.205137	Y
3	IC 410-474835/15	1.0	0.213433	10.0	2218490.0	0.213433	Y
4	IC 410-474835/16	2.0	0.432089	10.0	2161085.0	0.216044	Y
5	IC 410-474835/17	5.0	1.199237	10.0	2194446.0	0.239847	Y
6	ICIS 410-474835/18	10.0	2.362136	10.0	2265991.0	0.236214	Y
7	IC 410-474835/19	25.0	5.80061	10.0	2331817.0	0.232024	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

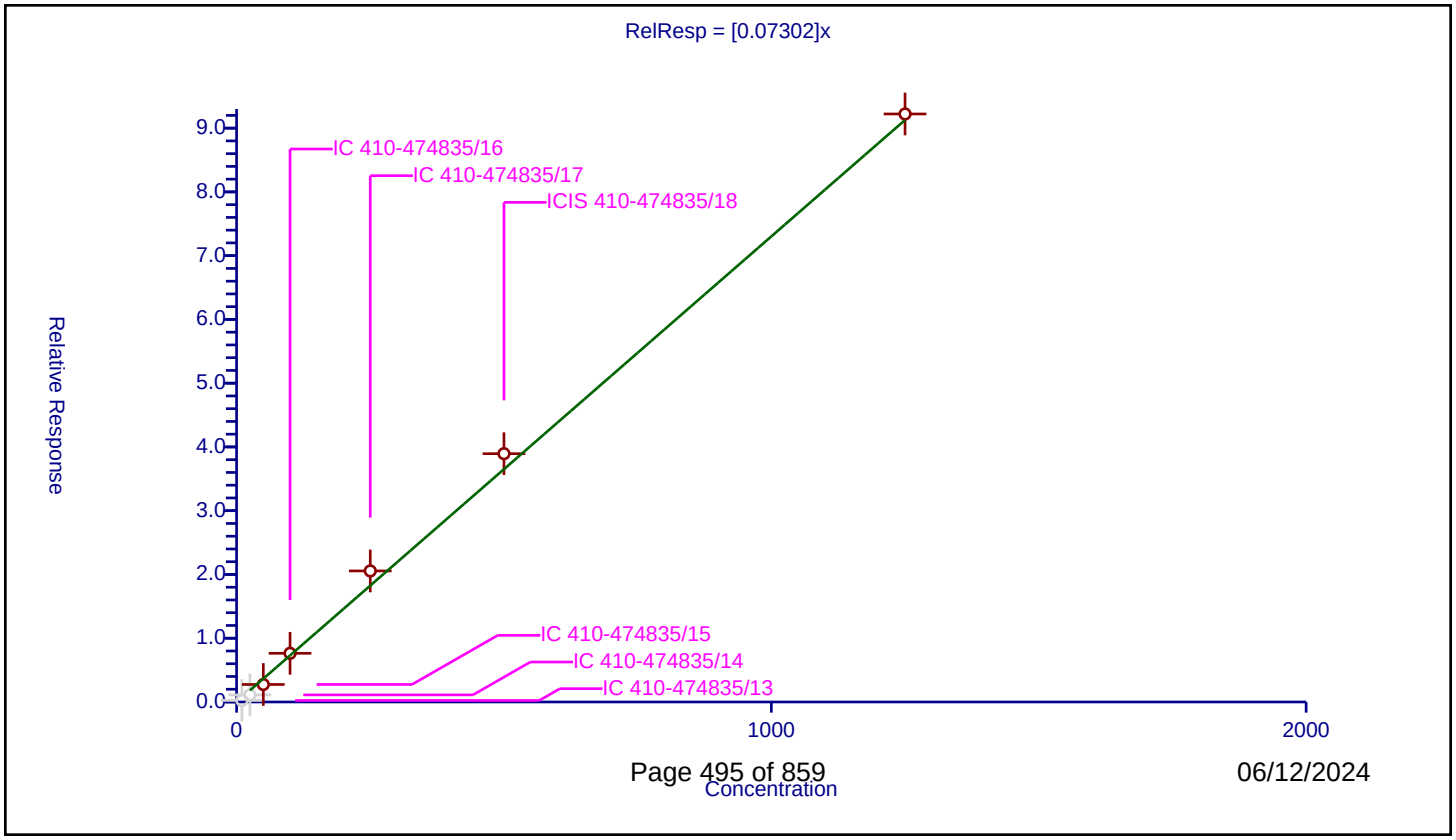
Curve Coefficients

Intercept:	0
Slope:	0.07302

Error Coefficients

Relative Standard Deviation:	14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	10.0	0.240495	50.0	91478.0	0.024049	N
2	IC 410-474835/14	25.0	1.11404	50.0	97124.0	0.044562	N
3	IC 410-474835/15	50.0	2.744543	50.0	98960.0	0.054891	Y
4	IC 410-474835/16	100.0	7.634517	50.0	94505.0	0.076345	Y
5	IC 410-474835/17	250.0	20.552381	50.0	102375.0	0.08221	Y
6	ICIS 410-474835/18	500.0	38.944989	50.0	106160.0	0.07789	Y
7	IC 410-474835/19	1250.0	92.223393	50.0	112922.0	0.073779	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

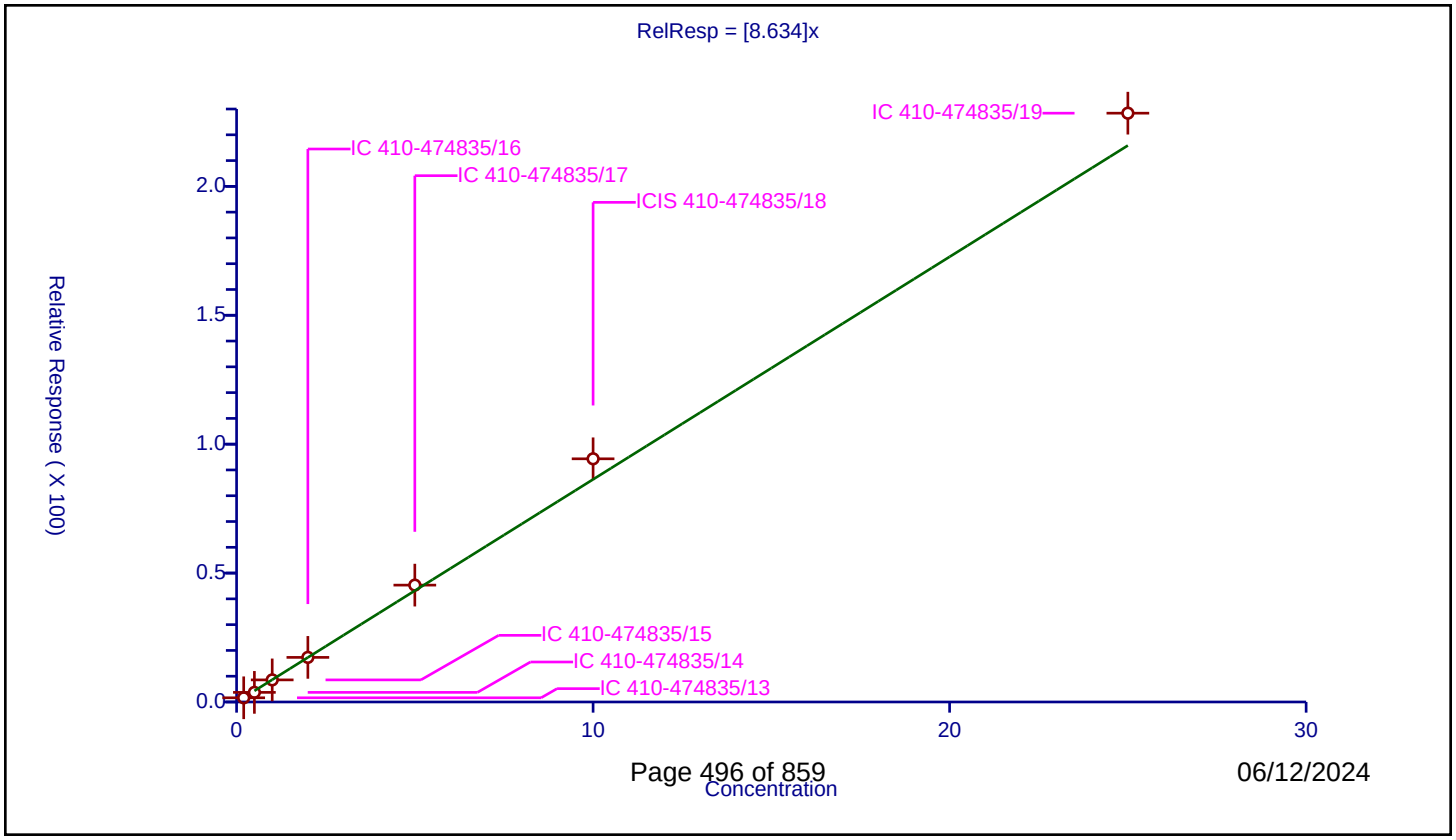
Curve Coefficients

Intercept:	0
Slope:	8.634

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	1.624434	50.0	91478.0	8.122171	Y
2	IC 410-474835/14	0.5	3.732342	50.0	97124.0	7.464684	Y
3	IC 410-474835/15	1.0	8.565582	50.0	98960.0	8.565582	Y
4	IC 410-474835/16	2.0	17.30173	50.0	94505.0	8.650865	Y
5	IC 410-474835/17	5.0	45.327961	50.0	102375.0	9.065592	Y
6	ICIS 410-474835/18	10.0	94.331198	50.0	106160.0	9.43312	Y
7	IC 410-474835/19	25.0	228.381538	50.0	112922.0	9.135262	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

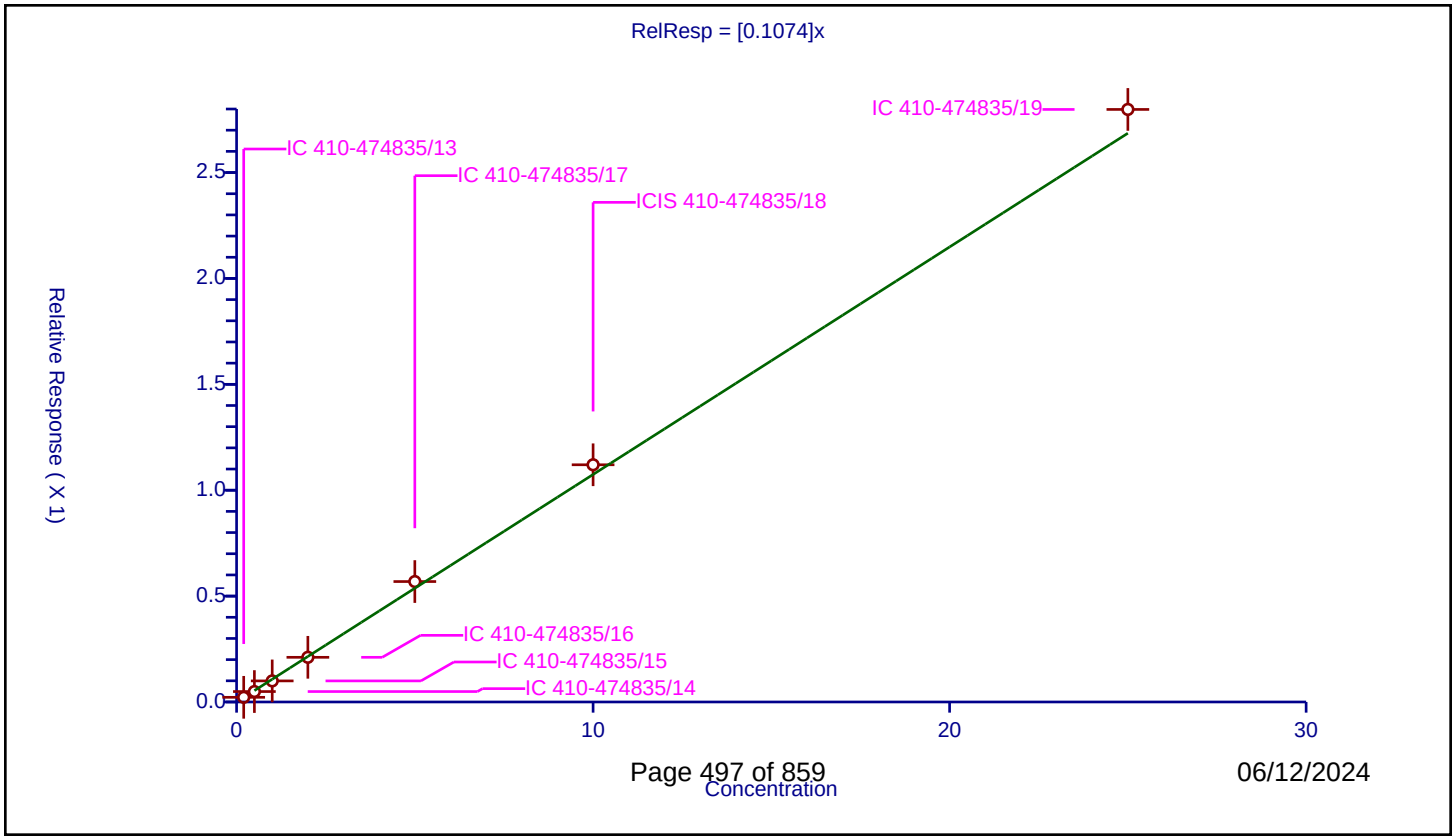
Curve Coefficients

Intercept:	0
Slope:	0.1074

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.022149	10.0	2065535.0	0.110746	Y
2	IC 410-474835/14	0.5	0.049265	10.0	2166842.0	0.09853	Y
3	IC 410-474835/15	1.0	0.099554	10.0	2218490.0	0.099554	Y
4	IC 410-474835/16	2.0	0.211005	10.0	2161085.0	0.105503	Y
5	IC 410-474835/17	5.0	0.568718	10.0	2194446.0	0.113744	Y
6	ICIS 410-474835/18	10.0	1.120062	10.0	2265991.0	0.112006	Y
7	IC 410-474835/19	25.0	2.797925	10.0	2331817.0	0.111917	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

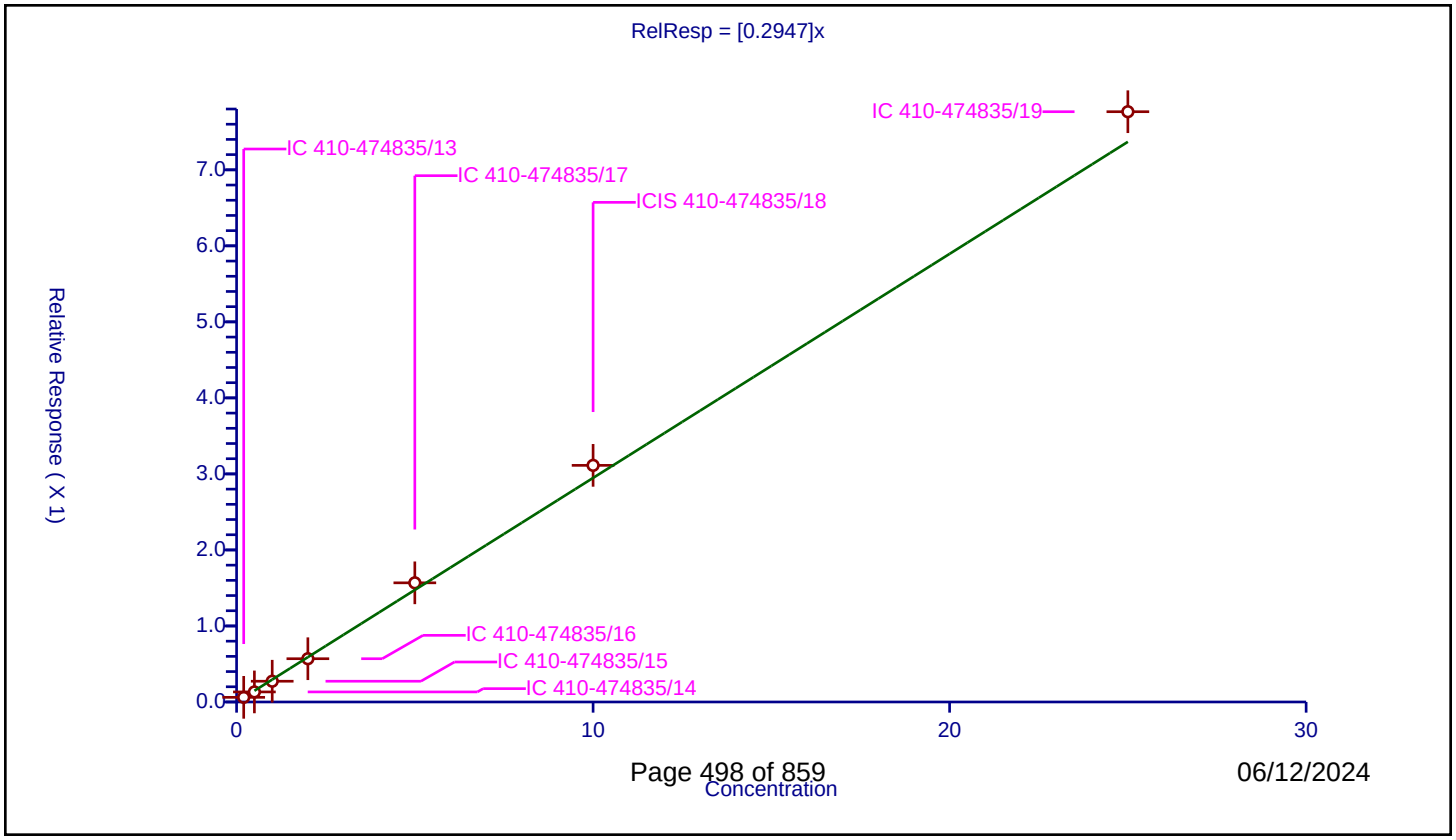
Curve Coefficients

Intercept:	0
Slope:	0.2947

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.061137	10.0	2065535.0	0.305684	Y
2	IC 410-474835/14	0.5	0.132285	10.0	2166842.0	0.264569	Y
3	IC 410-474835/15	1.0	0.273064	10.0	2218490.0	0.273064	Y
4	IC 410-474835/16	2.0	0.569043	10.0	2161085.0	0.284521	Y
5	IC 410-474835/17	5.0	1.567416	10.0	2194446.0	0.313483	Y
6	ICIS 410-474835/18	10.0	3.112559	10.0	2265991.0	0.311256	Y
7	IC 410-474835/19	25.0	7.76458	10.0	2331817.0	0.310583	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

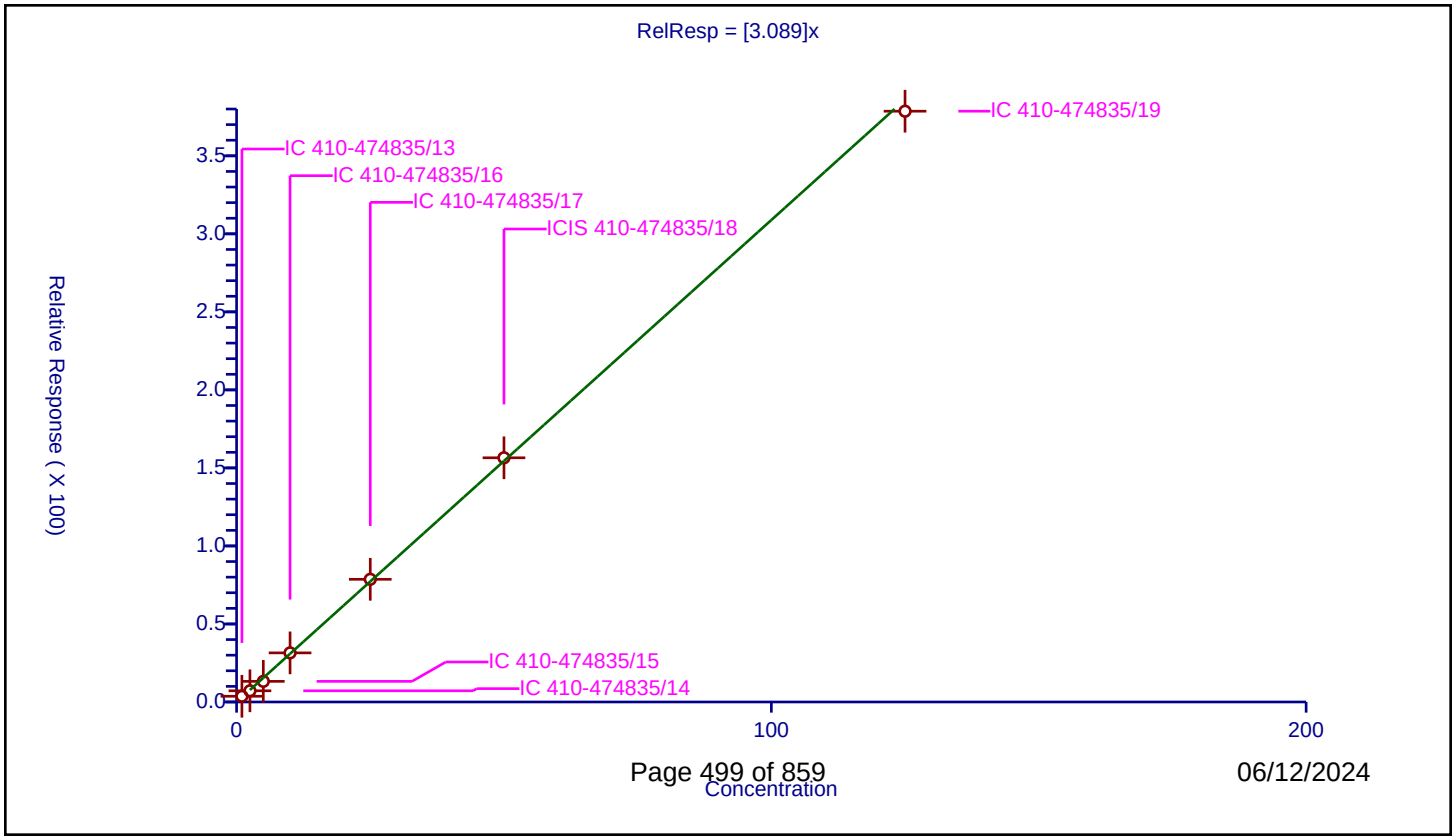
Curve Coefficients

Intercept:	0
Slope:	3.089

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	1.0	3.662083	50.0	91478.0	3.662083	Y
2	IC 410-474835/14	2.5	7.160434	50.0	97124.0	2.864174	Y
3	IC 410-474835/15	5.0	13.222514	50.0	98960.0	2.644503	Y
4	IC 410-474835/16	10.0	31.463415	50.0	94505.0	3.146341	Y
5	IC 410-474835/17	25.0	78.623199	50.0	102375.0	3.144928	Y
6	ICIS 410-474835/18	50.0	156.4935	50.0	106160.0	3.12987	Y
7	IC 410-474835/19	125.0	378.598944	50.0	112922.0	3.028792	Y



Calibration / 1-Bromo-2-chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

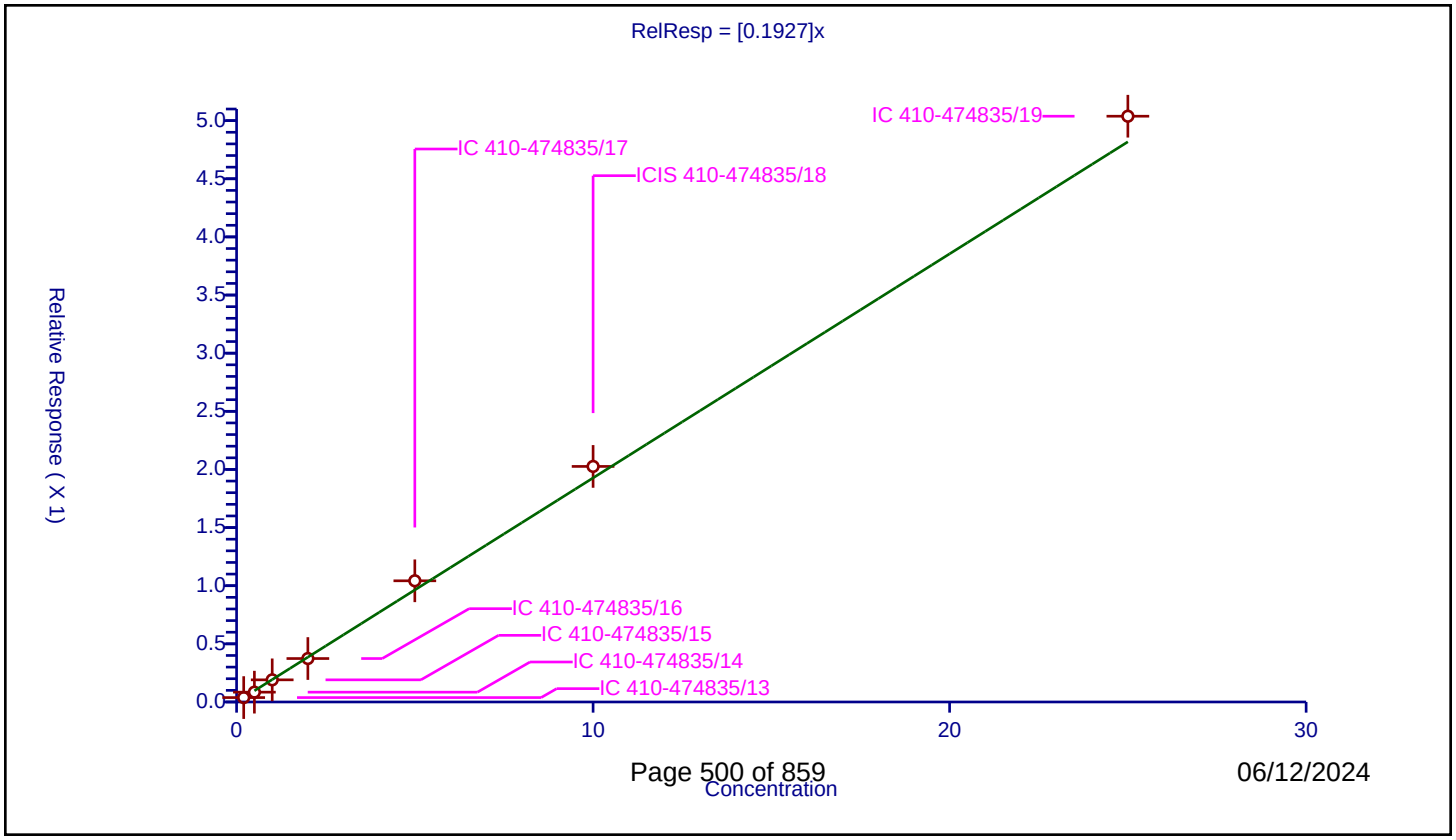
Curve Coefficients

Intercept:	0
Slope:	0.1927

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.037951	10.0	2065535.0	0.189757	Y
2	IC 410-474835/14	0.5	0.084625	10.0	2166842.0	0.169251	Y
3	IC 410-474835/15	1.0	0.190576	10.0	2218490.0	0.190576	Y
4	IC 410-474835/16	2.0	0.373724	10.0	2161085.0	0.186862	Y
5	IC 410-474835/17	5.0	1.042322	10.0	2194446.0	0.208464	Y
6	ICIS 410-474835/18	10.0	2.025926	10.0	2265991.0	0.202593	Y
7	IC 410-474835/19	25.0	5.038148	10.0	2331817.0	0.201526	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

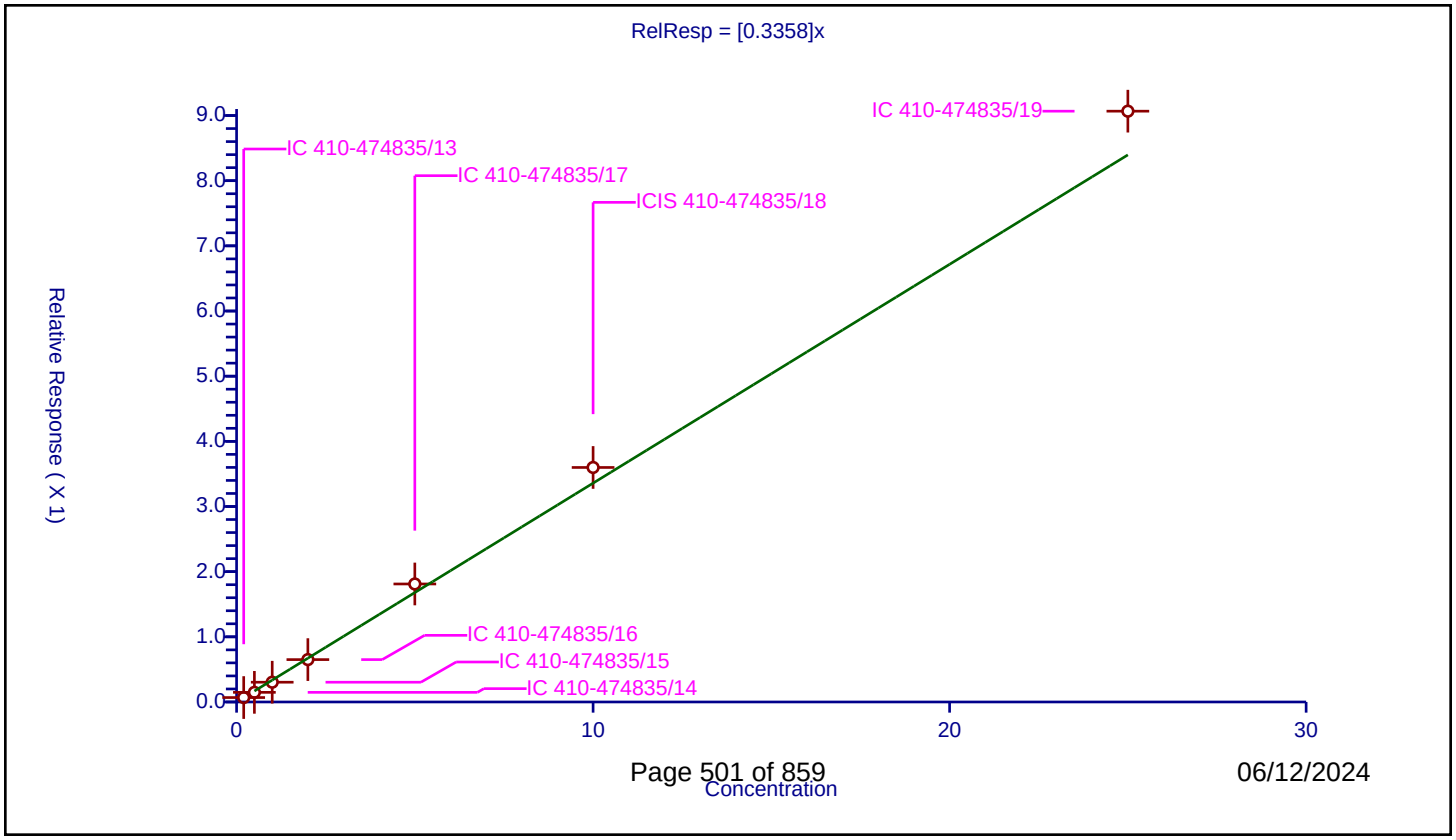
Curve Coefficients

Intercept:	0
Slope:	0.3358

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.068321	10.0	2065535.0	0.341606	Y
2	IC 410-474835/14	0.5	0.147911	10.0	2166842.0	0.295822	Y
3	IC 410-474835/15	1.0	0.303454	10.0	2218490.0	0.303454	Y
4	IC 410-474835/16	2.0	0.650377	10.0	2161085.0	0.325189	Y
5	IC 410-474835/17	5.0	1.811049	10.0	2194446.0	0.36221	Y
6	ICIS 410-474835/18	10.0	3.599176	10.0	2265991.0	0.359918	Y
7	IC 410-474835/19	25.0	9.066835	10.0	2331817.0	0.362673	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

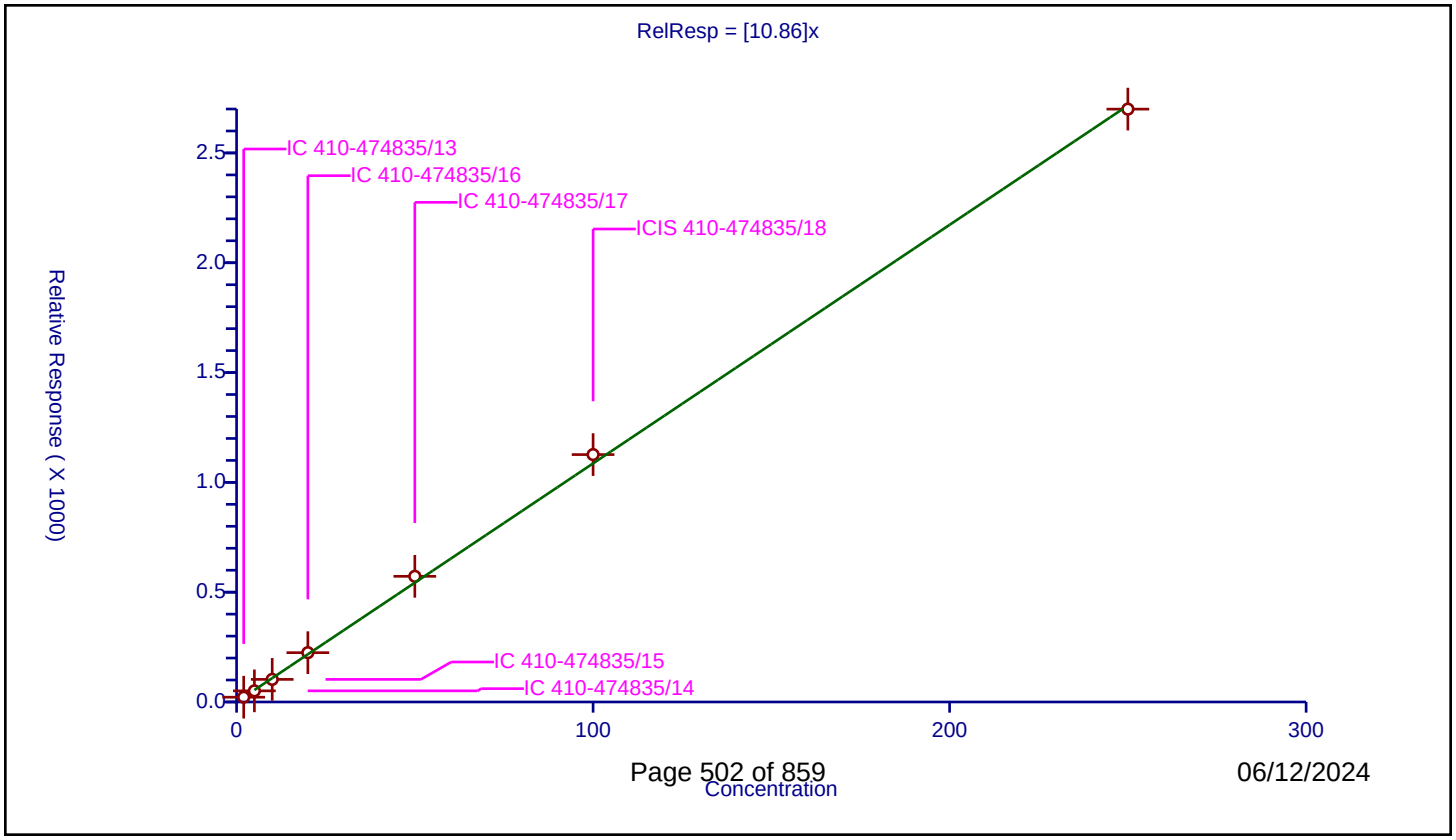
Curve Coefficients

Intercept:	0
Slope:	10.86

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	2.0	21.73692	50.0	91478.0	10.86846	Y
2	IC 410-474835/14	5.0	50.71558	50.0	97124.0	10.143116	Y
3	IC 410-474835/15	10.0	102.955234	50.0	98960.0	10.295523	Y
4	IC 410-474835/16	20.0	224.535739	50.0	94505.0	11.226787	Y
5	IC 410-474835/17	50.0	572.246642	50.0	102375.0	11.444933	Y
6	ICIS 410-474835/18	100.0	1126.475603	50.0	106160.0	11.264756	Y
7	IC 410-474835/19	250.0	2699.455376	50.0	112922.0	10.797822	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

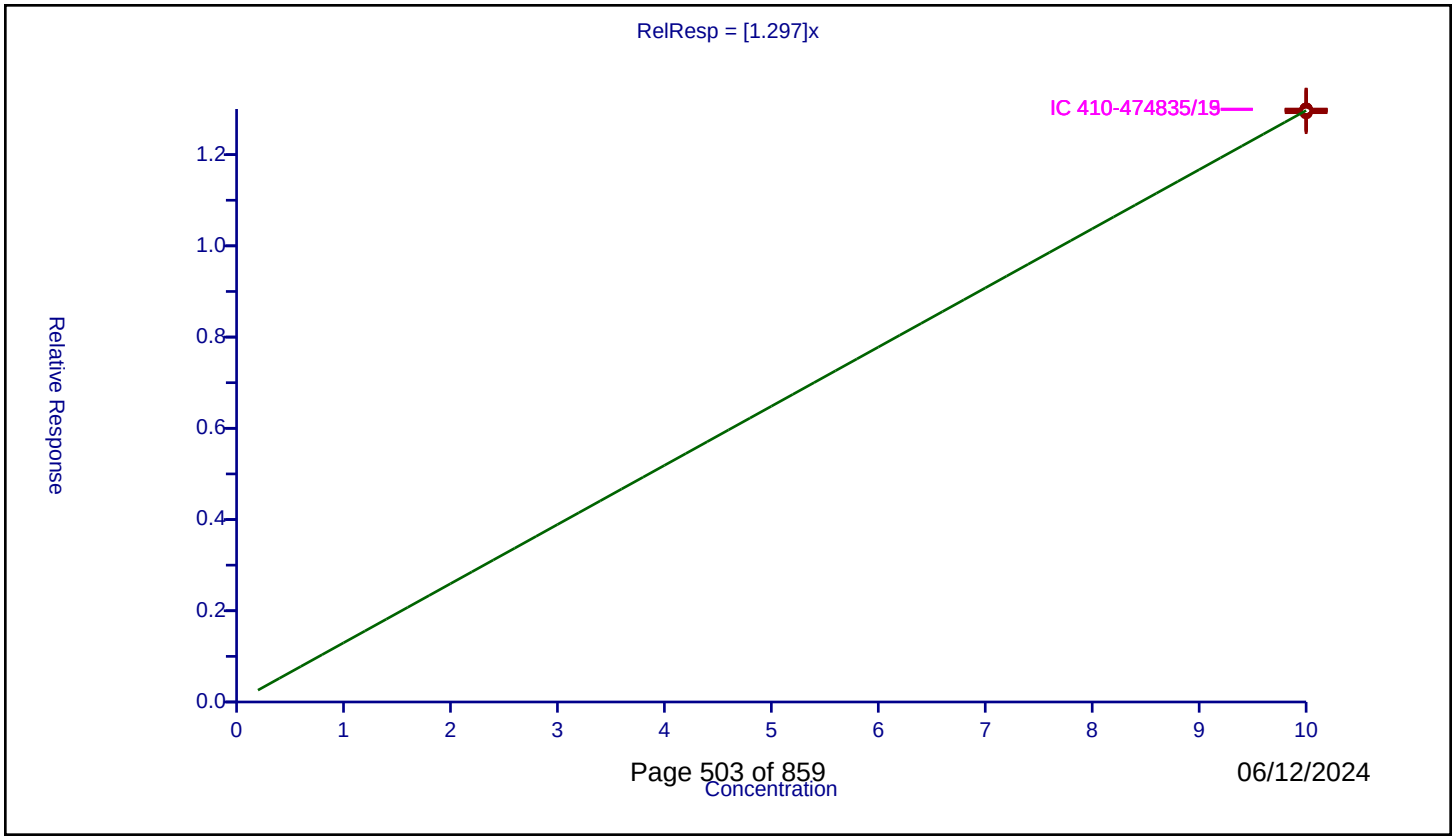
Curve Coefficients

Intercept:	0
Slope:	1.297

Error Coefficients

Relative Standard Deviation:	0.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	10.0	12.990419	10.0	1545342.0	1.299042	Y
2	IC 410-474835/14	10.0	12.944249	10.0	1620593.0	1.294425	Y
3	IC 410-474835/15	10.0	12.996286	10.0	1649432.0	1.299629	Y
4	IC 410-474835/16	10.0	12.919489	10.0	1625521.0	1.291949	Y
5	IC 410-474835/17	10.0	12.961883	10.0	1641834.0	1.296188	Y
6	ICIS 410-474835/18	10.0	12.962773	10.0	1705757.0	1.296277	Y
7	IC 410-474835/19	10.0	12.996711	10.0	1759422.0	1.299671	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

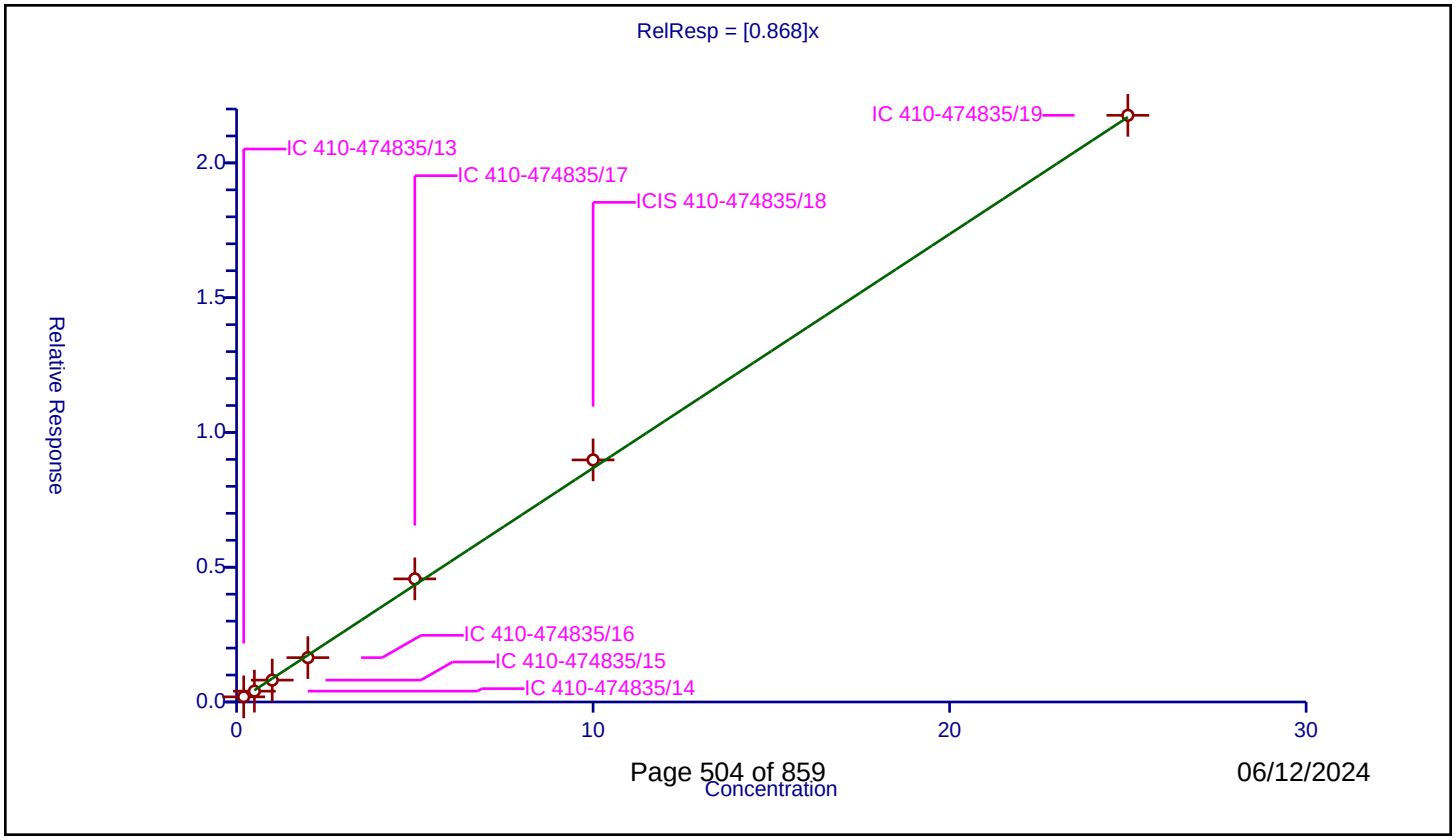
Curve Coefficients

Intercept:	0
Slope:	0.868

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.190709	10.0	1545342.0	0.953543	Y
2	IC 410-474835/14	0.5	0.402464	10.0	1620593.0	0.804928	Y
3	IC 410-474835/15	1.0	0.811843	10.0	1649432.0	0.811843	Y
4	IC 410-474835/16	2.0	1.646174	10.0	1625521.0	0.823087	Y
5	IC 410-474835/17	5.0	4.567794	10.0	1641834.0	0.913559	Y
6	ICIS 410-474835/18	10.0	8.981121	10.0	1705757.0	0.898112	Y
7	IC 410-474835/19	25.0	21.766603	10.0	1759422.0	0.870664	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

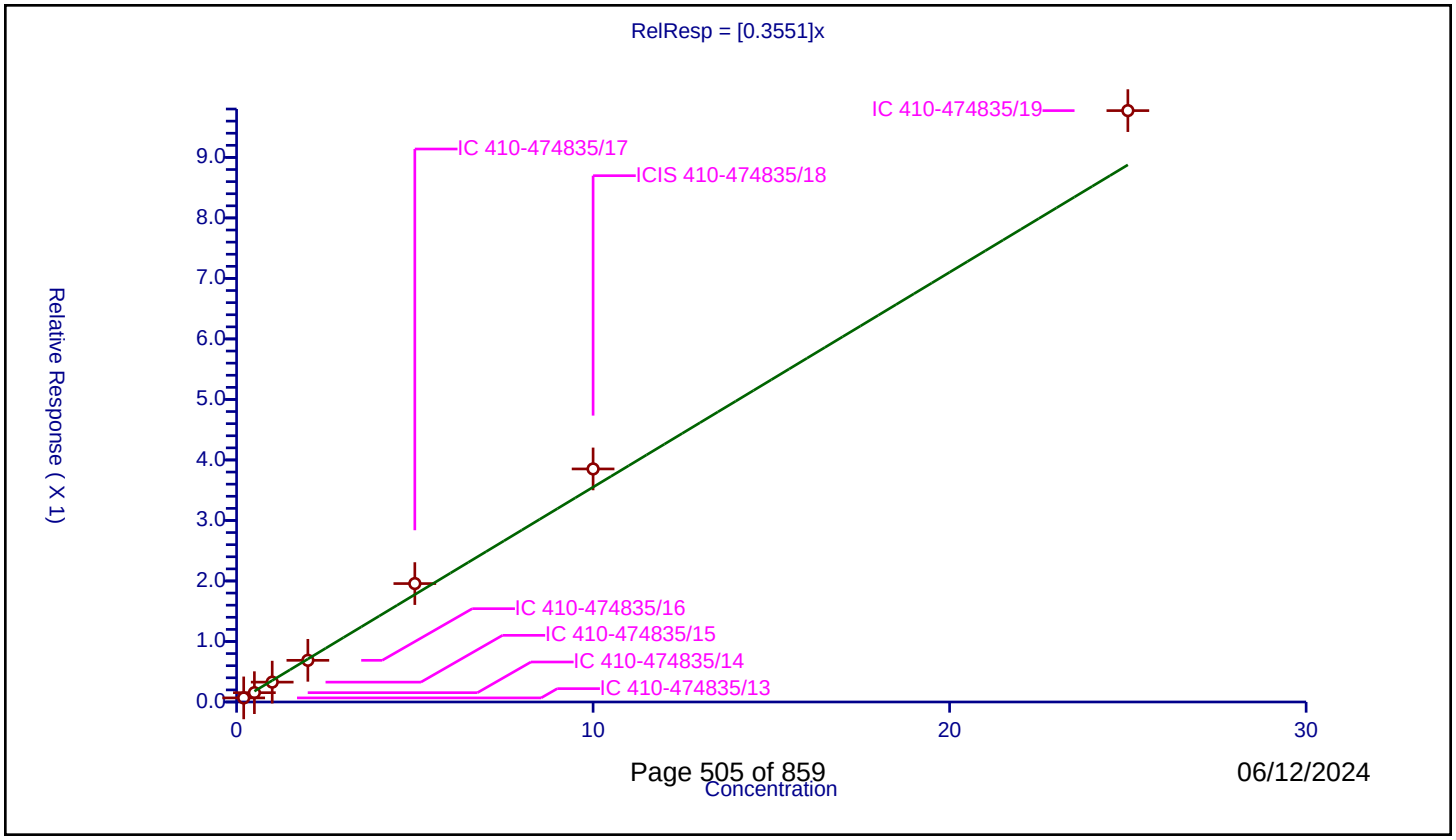
Curve Coefficients

Intercept:	0
Slope:	0.3551

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.067513	10.0	1545342.0	0.337563	Y
2	IC 410-474835/14	0.5	0.154018	10.0	1620593.0	0.308035	Y
3	IC 410-474835/15	1.0	0.32818	10.0	1649432.0	0.32818	Y
4	IC 410-474835/16	2.0	0.68869	10.0	1625521.0	0.344345	Y
5	IC 410-474835/17	5.0	1.957068	10.0	1641834.0	0.391414	Y
6	ICIS 410-474835/18	10.0	3.851469	10.0	1705757.0	0.385147	Y
7	IC 410-474835/19	25.0	9.773551	10.0	1759422.0	0.390942	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

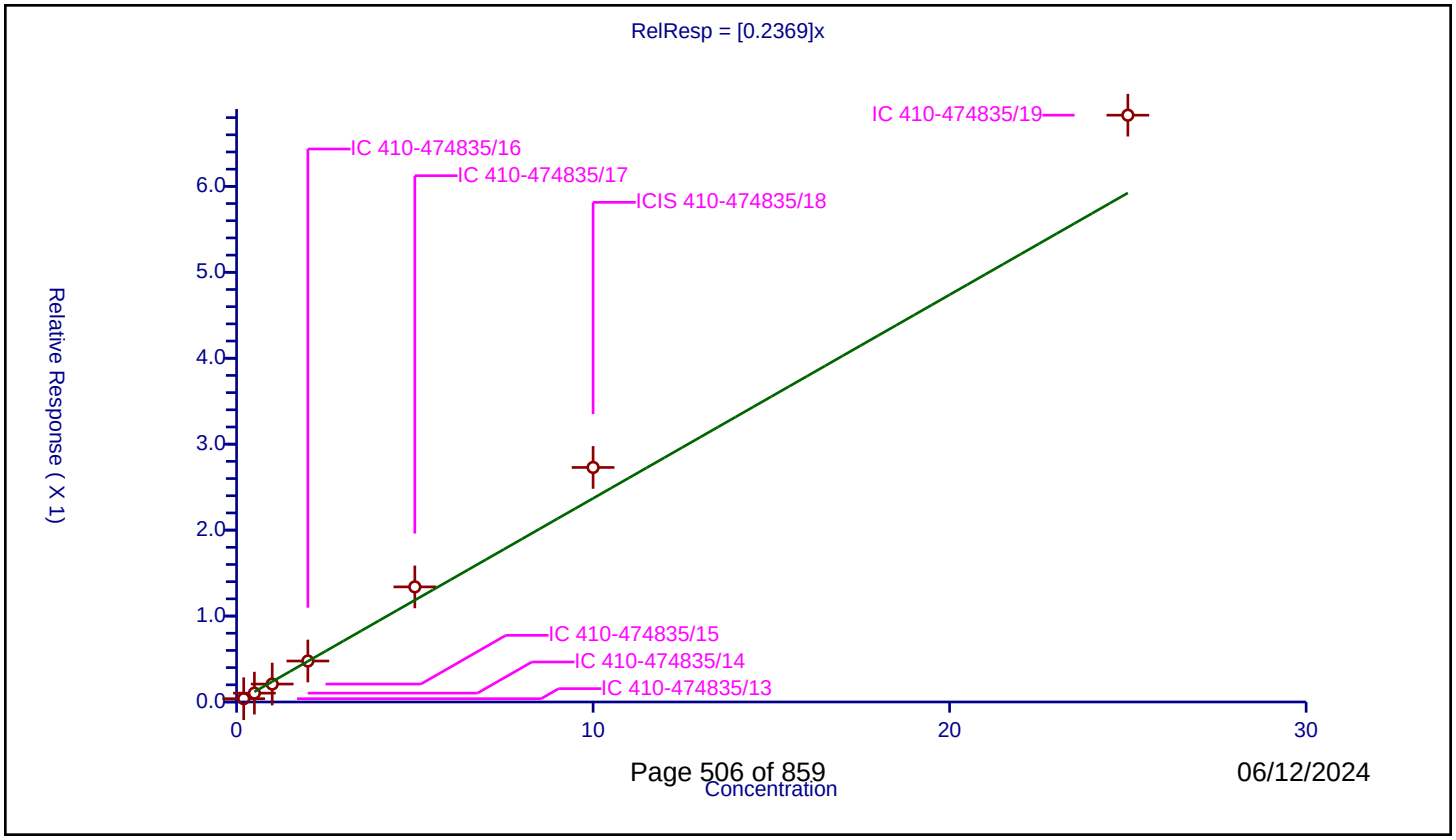
Curve Coefficients

Intercept:	0
Slope:	0.2369

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.038347	10.0	1545342.0	0.191737	Y
2	IC 410-474835/14	0.5	0.102839	10.0	1620593.0	0.205678	Y
3	IC 410-474835/15	1.0	0.208811	10.0	1649432.0	0.208811	Y
4	IC 410-474835/16	2.0	0.476727	10.0	1625521.0	0.238364	Y
5	IC 410-474835/17	5.0	1.339356	10.0	1641834.0	0.267871	Y
6	ICIS 410-474835/18	10.0	2.729357	10.0	1705757.0	0.272936	Y
7	IC 410-474835/19	25.0	6.828248	10.0	1759422.0	0.27313	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

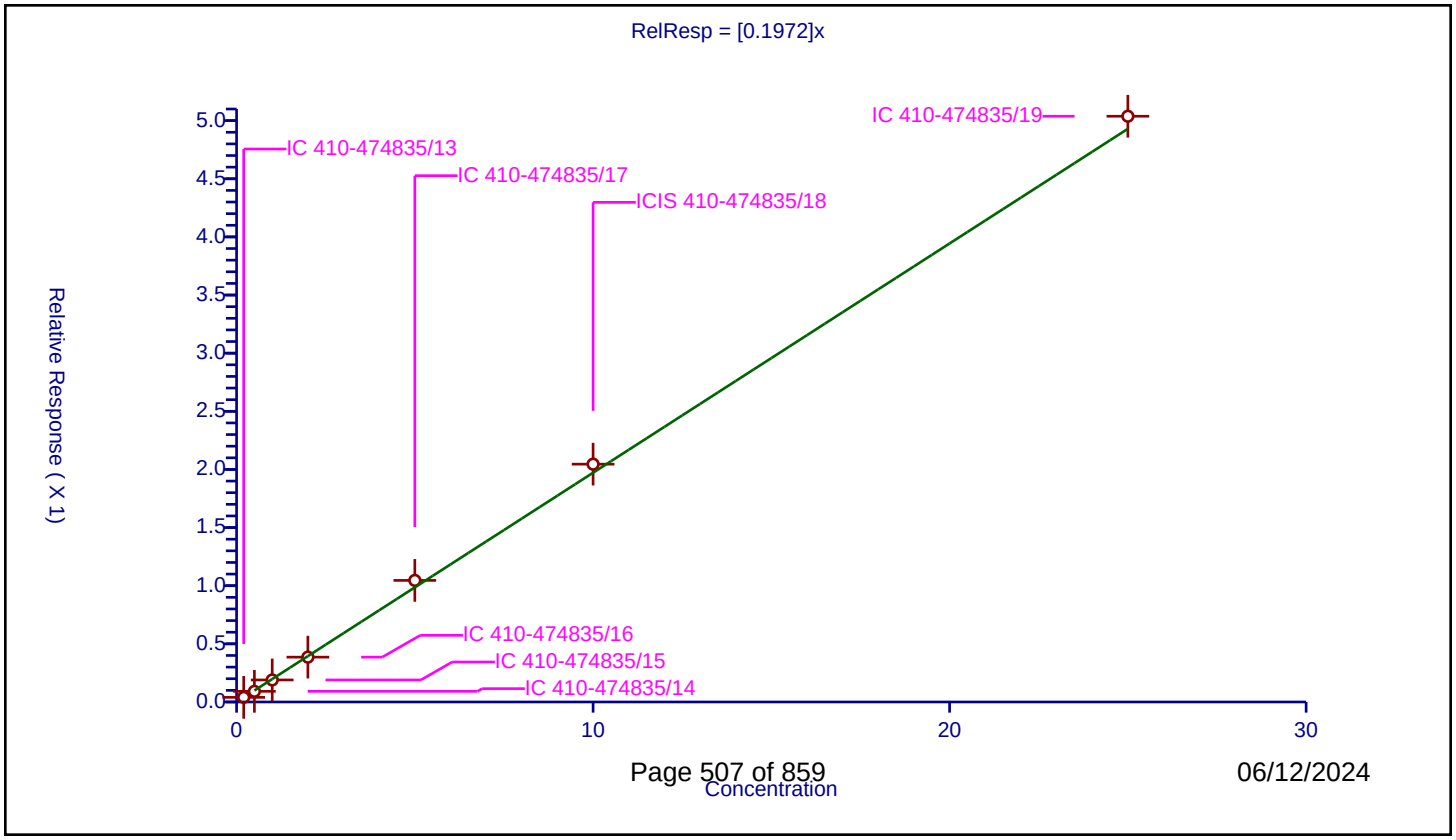
Curve Coefficients

Intercept:	0
Slope:	0.1972

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.039894	10.0	1545342.0	0.19947	Y
2	IC 410-474835/14	0.5	0.091559	10.0	1620593.0	0.183118	Y
3	IC 410-474835/15	1.0	0.189635	10.0	1649432.0	0.189635	Y
4	IC 410-474835/16	2.0	0.385624	10.0	1625521.0	0.192812	Y
5	IC 410-474835/17	5.0	1.045794	10.0	1641834.0	0.209159	Y
6	ICIS 410-474835/18	10.0	2.045549	10.0	1705757.0	0.204555	Y
7	IC 410-474835/19	25.0	5.03787	10.0	1759422.0	0.201515	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

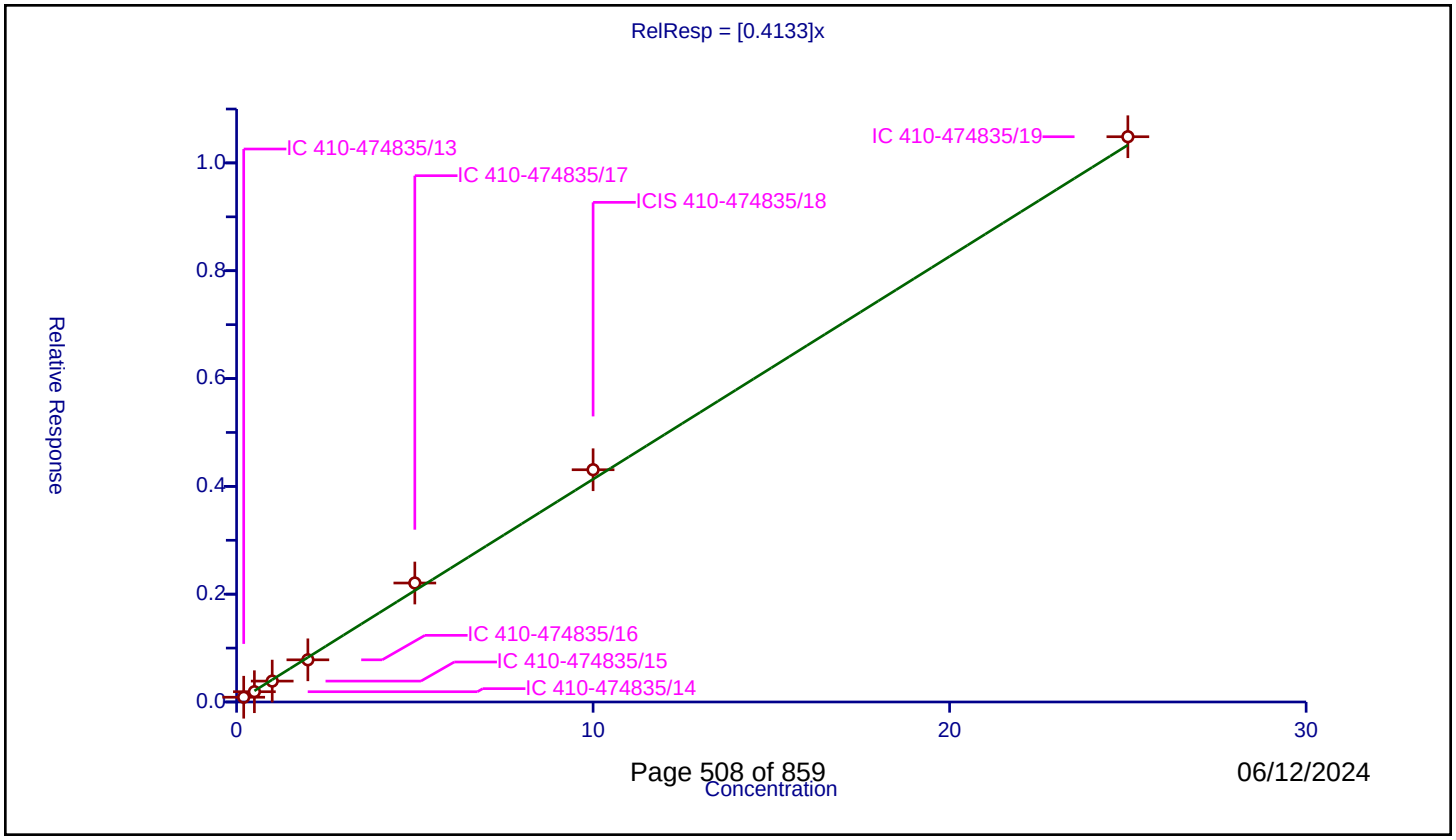
Curve Coefficients

Intercept:	0
Slope:	0.4133

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.08822	10.0	1545342.0	0.4411	Y
2	IC 410-474835/14	0.5	0.19085	10.0	1620593.0	0.3817	Y
3	IC 410-474835/15	1.0	0.387352	10.0	1649432.0	0.387352	Y
4	IC 410-474835/16	2.0	0.782205	10.0	1625521.0	0.391102	Y
5	IC 410-474835/17	5.0	2.207209	10.0	1641834.0	0.441442	Y
6	ICIS 410-474835/18	10.0	4.308644	10.0	1705757.0	0.430864	Y
7	IC 410-474835/19	25.0	10.48591	10.0	1759422.0	0.419436	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

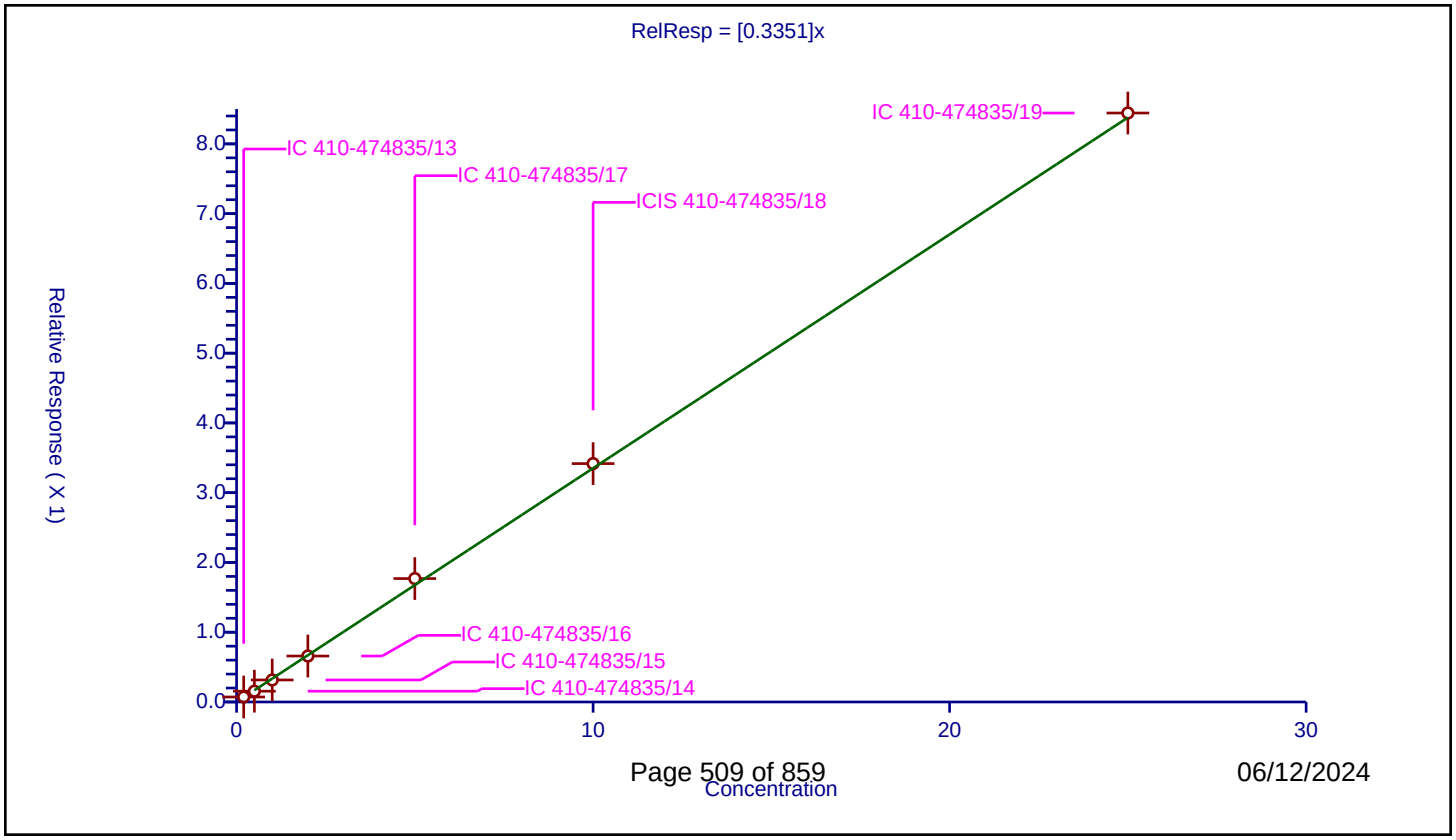
Curve Coefficients

Intercept:	0
Slope:	0.3351

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.071609	10.0	1545342.0	0.358044	Y
2	IC 410-474835/14	0.5	0.154764	10.0	1620593.0	0.309529	Y
3	IC 410-474835/15	1.0	0.315503	10.0	1649432.0	0.315503	Y
4	IC 410-474835/16	2.0	0.658995	10.0	1625521.0	0.329497	Y
5	IC 410-474835/17	5.0	1.769137	10.0	1641834.0	0.353827	Y
6	ICIS 410-474835/18	10.0	3.417198	10.0	1705757.0	0.34172	Y
7	IC 410-474835/19	25.0	8.442847	10.0	1759422.0	0.337714	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

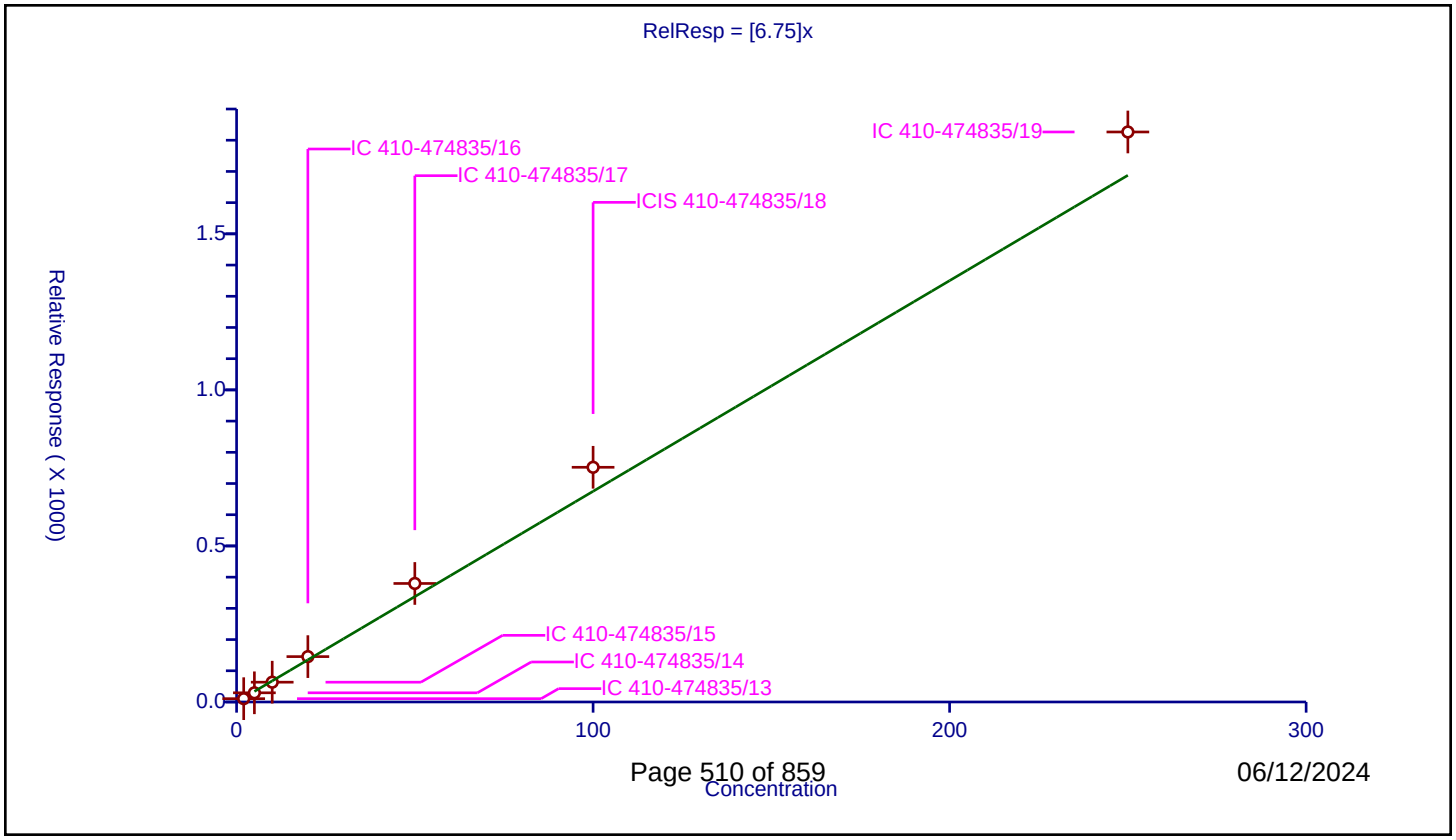
Curve Coefficients

Intercept:	0
Slope:	6.75

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	2.0	10.645182	50.0	91478.0	5.322591	Y
2	IC 410-474835/14	5.0	29.442774	50.0	97124.0	5.888555	Y
3	IC 410-474835/15	10.0	63.480699	50.0	98960.0	6.34807	Y
4	IC 410-474835/16	20.0	145.419819	50.0	94505.0	7.270991	Y
5	IC 410-474835/17	50.0	379.79243	50.0	102375.0	7.595849	Y
6	ICIS 410-474835/18	100.0	752.011115	50.0	106160.0	7.520111	Y
7	IC 410-474835/19	250.0	1826.434176	50.0	112922.0	7.305737	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

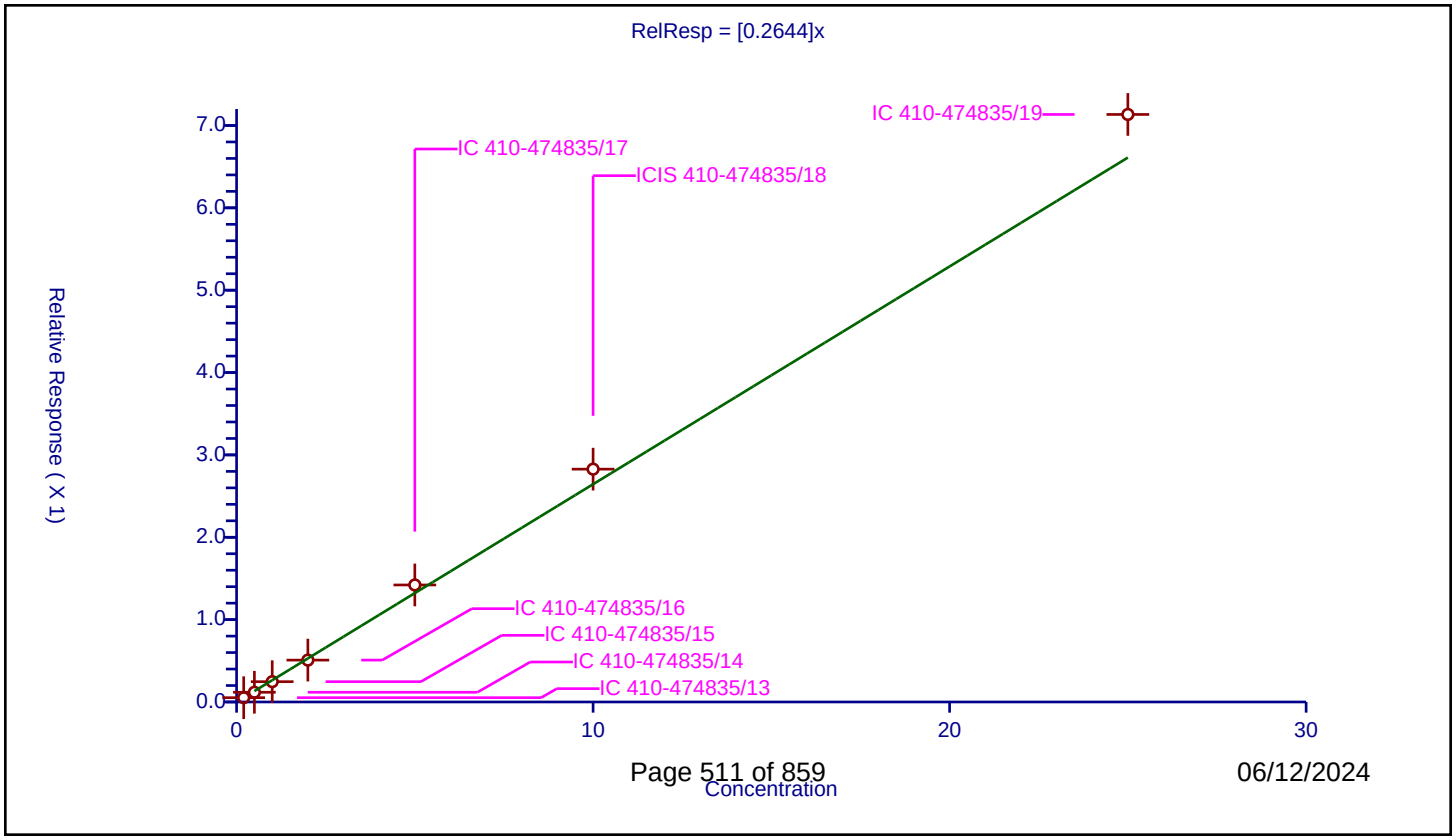
Curve Coefficients

Intercept:	0
Slope:	0.2644

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.052306	10.0	1545342.0	0.261528	Y
2	IC 410-474835/14	0.5	0.118111	10.0	1620593.0	0.236222	Y
3	IC 410-474835/15	1.0	0.246539	10.0	1649432.0	0.246539	Y
4	IC 410-474835/16	2.0	0.508655	10.0	1625521.0	0.254328	Y
5	IC 410-474835/17	5.0	1.420868	10.0	1641834.0	0.284174	Y
6	ICIS 410-474835/18	10.0	2.827097	10.0	1705757.0	0.28271	Y
7	IC 410-474835/19	25.0	7.133985	10.0	1759422.0	0.285359	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

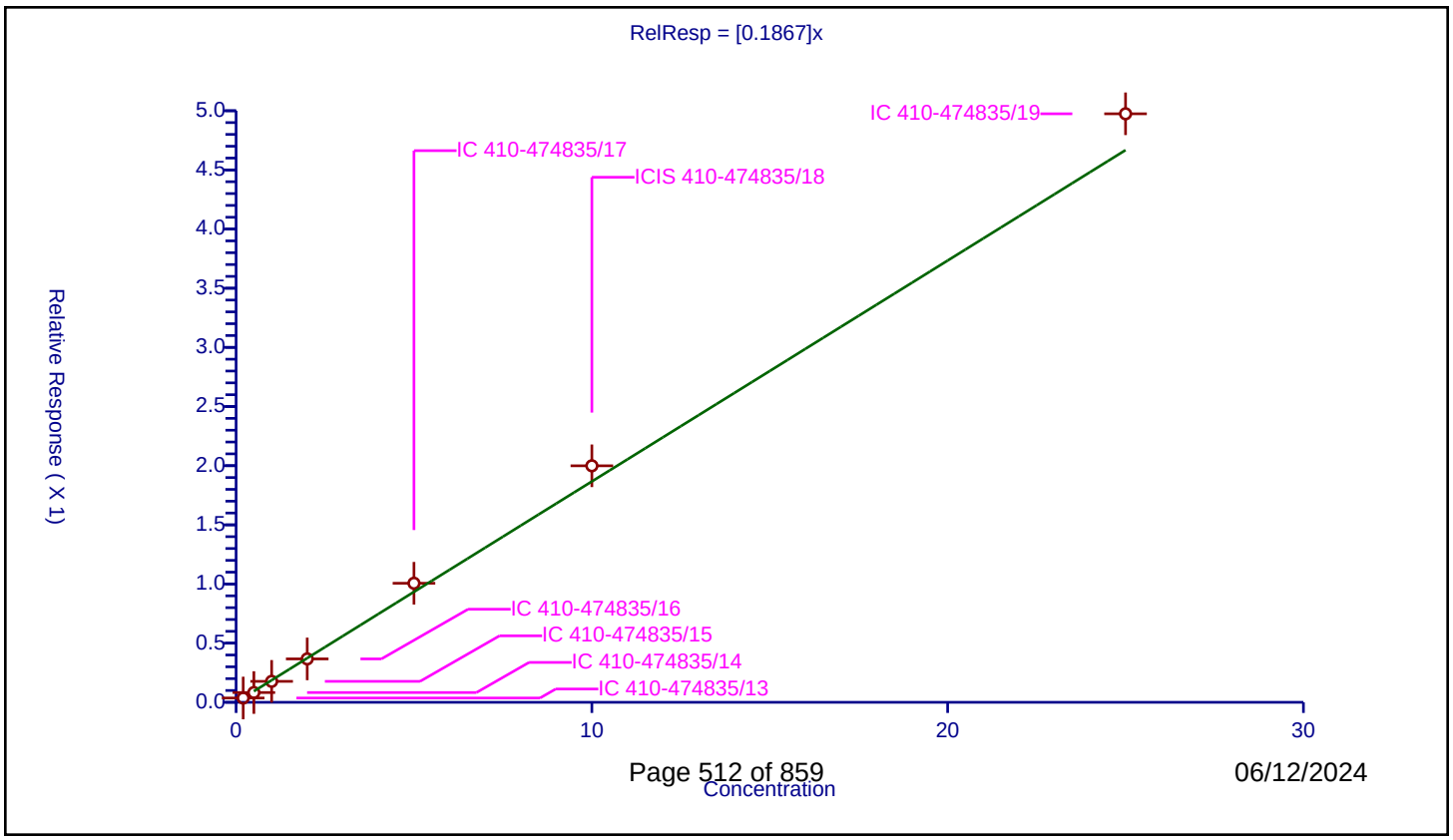
Curve Coefficients

Intercept:	0
Slope:	0.1867

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.036219	10.0	1545342.0	0.181093	Y
2	IC 410-474835/14	0.5	0.082532	10.0	1620593.0	0.165063	Y
3	IC 410-474835/15	1.0	0.177061	10.0	1649432.0	0.177061	Y
4	IC 410-474835/16	2.0	0.366879	10.0	1625521.0	0.18344	Y
5	IC 410-474835/17	5.0	1.006423	10.0	1641834.0	0.201285	Y
6	ICIS 410-474835/18	10.0	1.998995	10.0	1705757.0	0.1999	Y
7	IC 410-474835/19	25.0	4.974367	10.0	1759422.0	0.198975	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

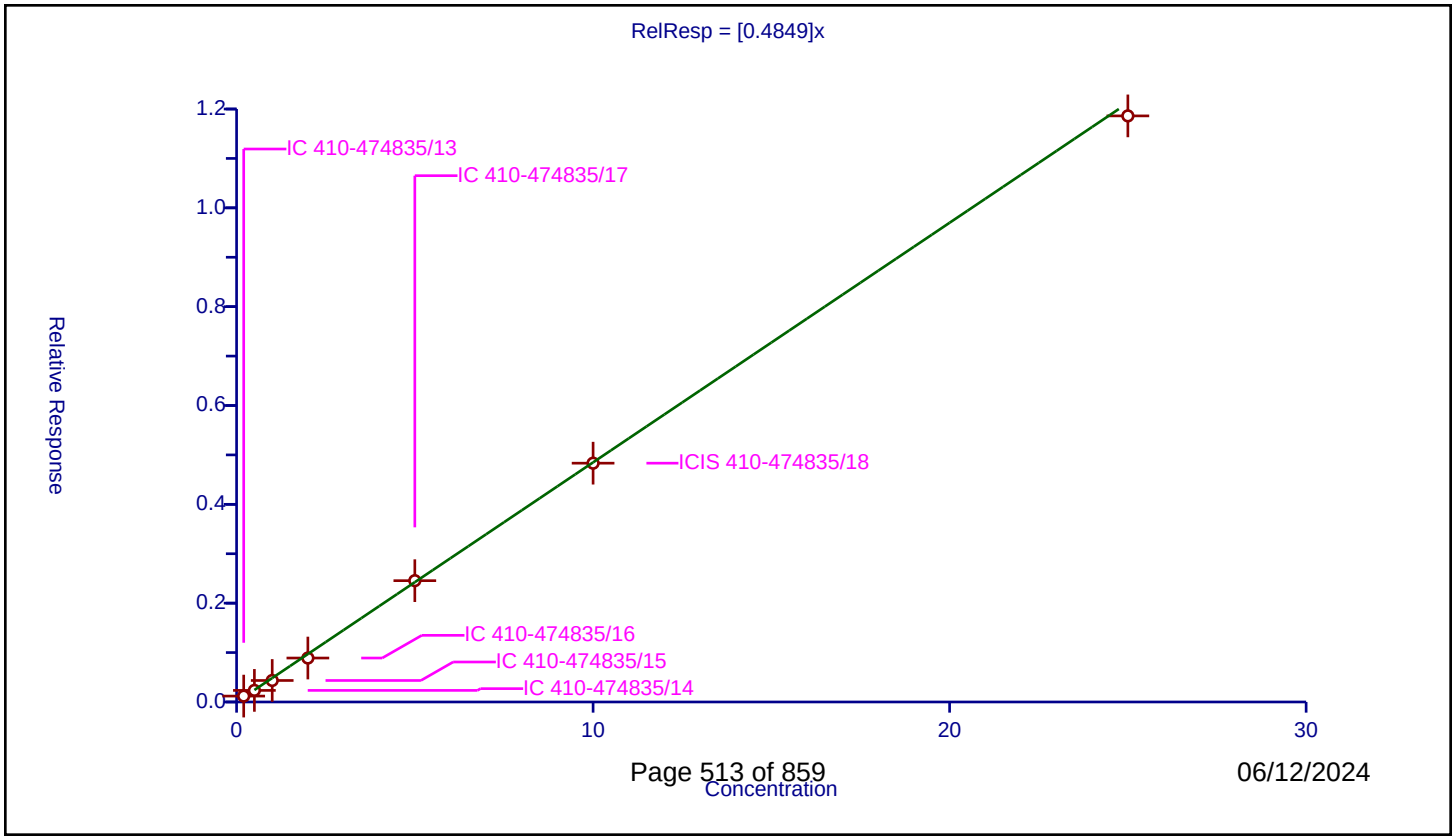
Curve Coefficients

Intercept:	0
Slope:	0.4849

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.11932	10.0	1545342.0	0.596599	Y
2	IC 410-474835/14	0.5	0.23455	10.0	1620593.0	0.4691	Y
3	IC 410-474835/15	1.0	0.43518	10.0	1649432.0	0.43518	Y
4	IC 410-474835/16	2.0	0.889444	10.0	1625521.0	0.444722	Y
5	IC 410-474835/17	5.0	2.455413	10.0	1641834.0	0.491083	Y
6	ICIS 410-474835/18	10.0	4.832623	10.0	1705757.0	0.483262	Y
7	IC 410-474835/19	25.0	11.860588	10.0	1759422.0	0.474424	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

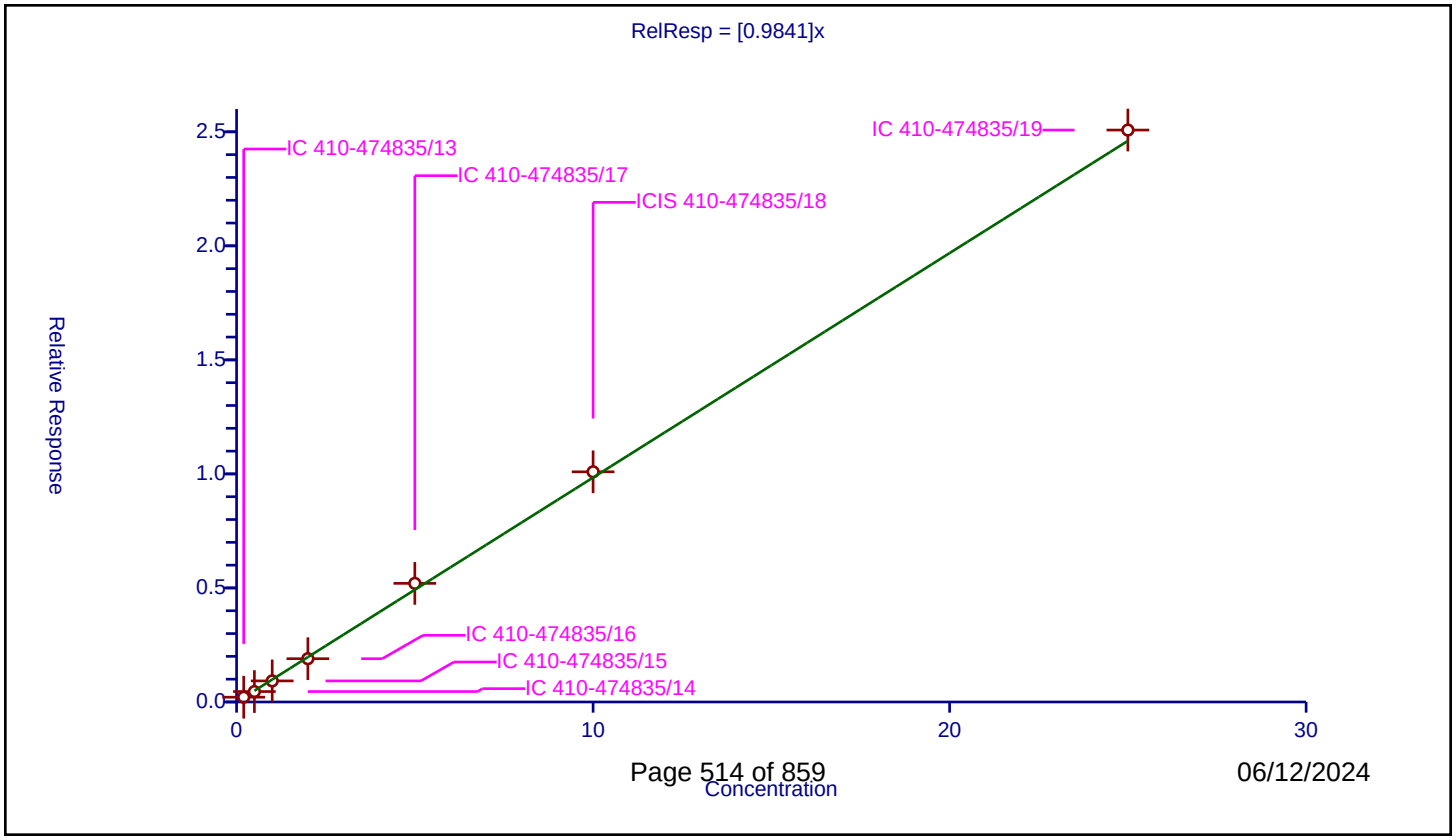
Curve Coefficients

Intercept:	0
Slope:	0.9841

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.209701	10.0	1545342.0	1.048506	Y
2	IC 410-474835/14	0.5	0.457357	10.0	1620593.0	0.914715	Y
3	IC 410-474835/15	1.0	0.923742	10.0	1649432.0	0.923742	Y
4	IC 410-474835/16	2.0	1.898382	10.0	1625521.0	0.949191	Y
5	IC 410-474835/17	5.0	5.201555	10.0	1641834.0	1.040311	Y
6	ICIS 410-474835/18	10.0	10.092762	10.0	1705757.0	1.009276	Y
7	IC 410-474835/19	25.0	25.077361	10.0	1759422.0	1.003094	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

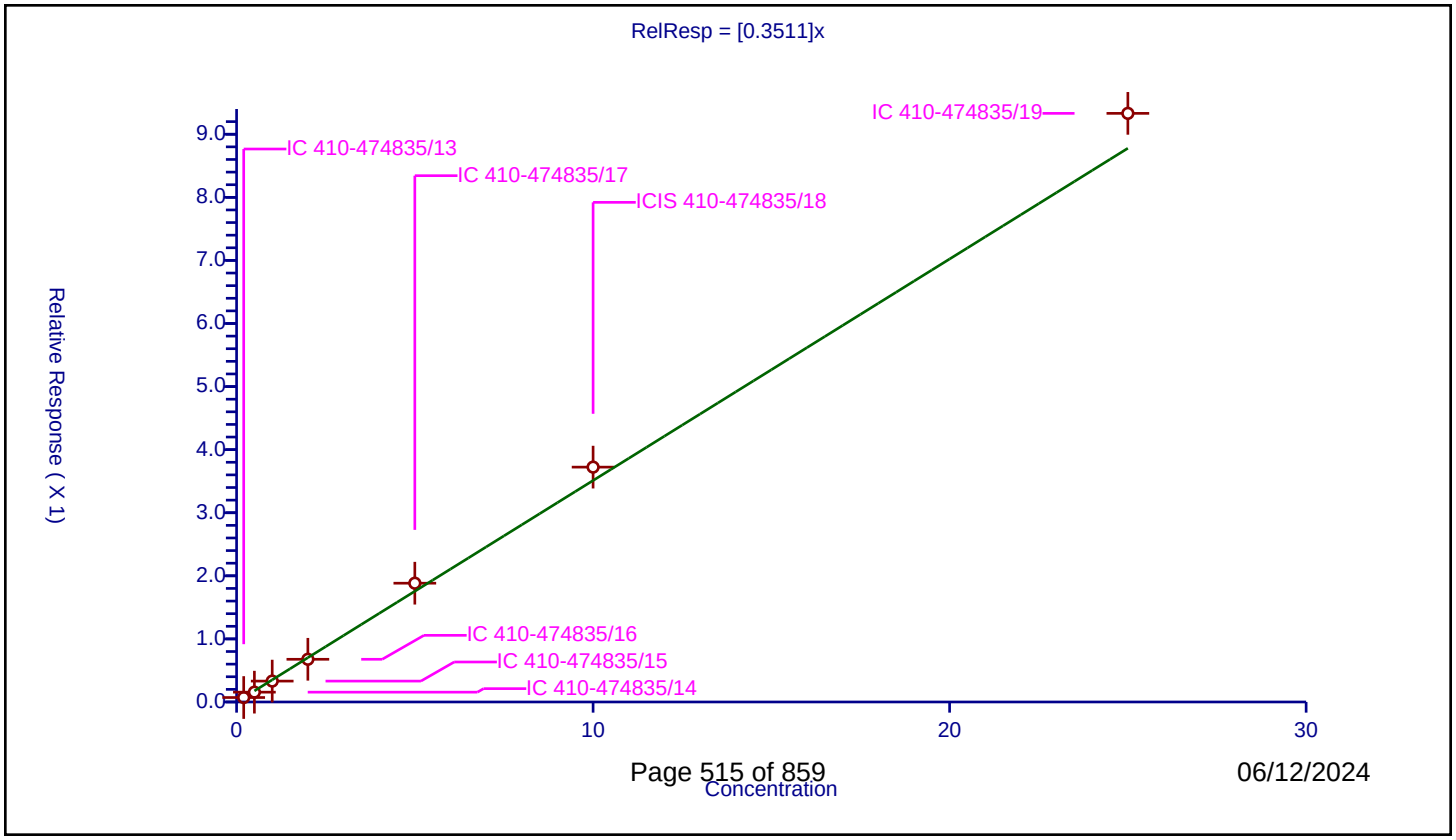
Curve Coefficients

Intercept:	0
Slope:	0.3511

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.0708	10.0	1545342.0	0.353999	Y
2	IC 410-474835/14	0.5	0.1559	10.0	1620593.0	0.311799	Y
3	IC 410-474835/15	1.0	0.331375	10.0	1649432.0	0.331375	Y
4	IC 410-474835/16	2.0	0.676854	10.0	1625521.0	0.338427	Y
5	IC 410-474835/17	5.0	1.883077	10.0	1641834.0	0.376615	Y
6	ICIS 410-474835/18	10.0	3.723192	10.0	1705757.0	0.372319	Y
7	IC 410-474835/19	25.0	9.331093	10.0	1759422.0	0.373244	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

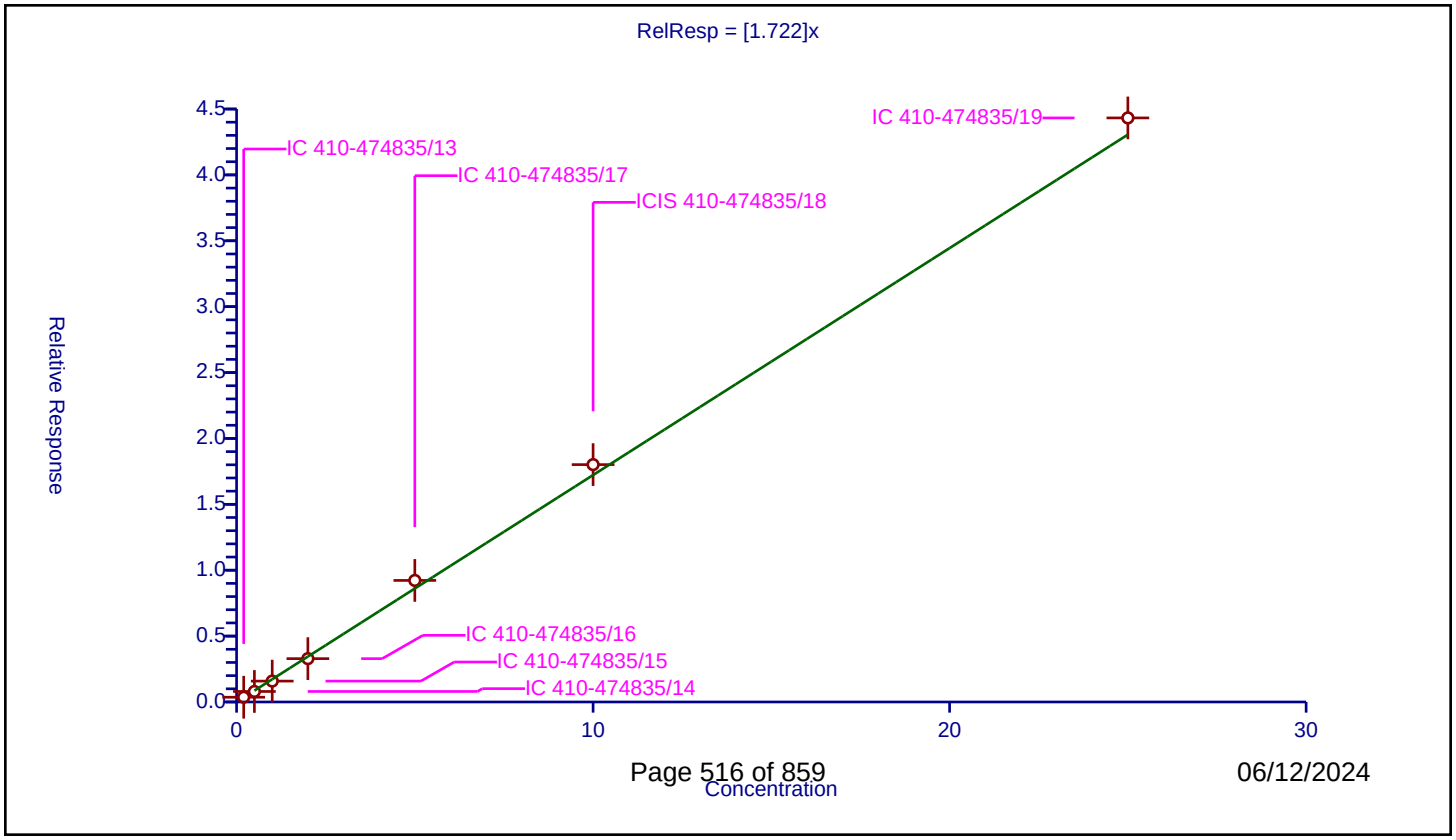
Curve Coefficients

Intercept:	0
Slope:	1.722

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.361577	10.0	1545342.0	1.807885	Y
2	IC 410-474835/14	0.5	0.799232	10.0	1620593.0	1.598464	Y
3	IC 410-474835/15	1.0	1.58574	10.0	1649432.0	1.58574	Y
4	IC 410-474835/16	2.0	3.288724	10.0	1625521.0	1.644362	Y
5	IC 410-474835/17	5.0	9.224185	10.0	1641834.0	1.844837	Y
6	ICIS 410-474835/18	10.0	18.013017	10.0	1705757.0	1.801302	Y
7	IC 410-474835/19	25.0	44.323818	10.0	1759422.0	1.772953	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

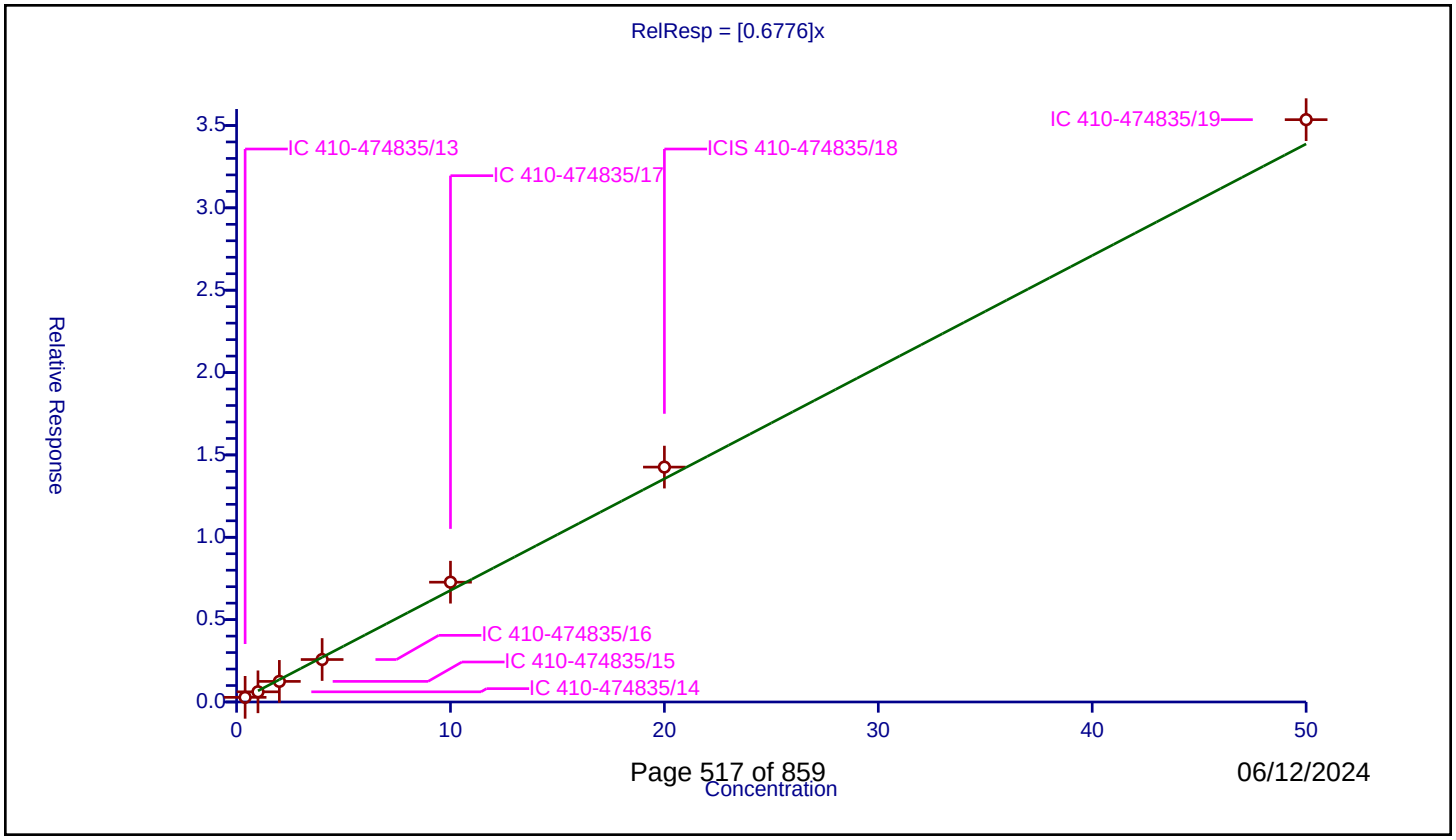
Curve Coefficients

Intercept:	0
Slope:	0.6776

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.4	0.283238	10.0	1545342.0	0.708096	Y
2	IC 410-474835/14	1.0	0.617687	10.0	1620593.0	0.617687	Y
3	IC 410-474835/15	2.0	1.250643	10.0	1649432.0	0.625321	Y
4	IC 410-474835/16	4.0	2.577869	10.0	1625521.0	0.644467	Y
5	IC 410-474835/17	10.0	7.273683	10.0	1641834.0	0.727368	Y
6	ICIS 410-474835/18	20.0	14.261187	10.0	1705757.0	0.713059	Y
7	IC 410-474835/19	50.0	35.354082	10.0	1759422.0	0.707082	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

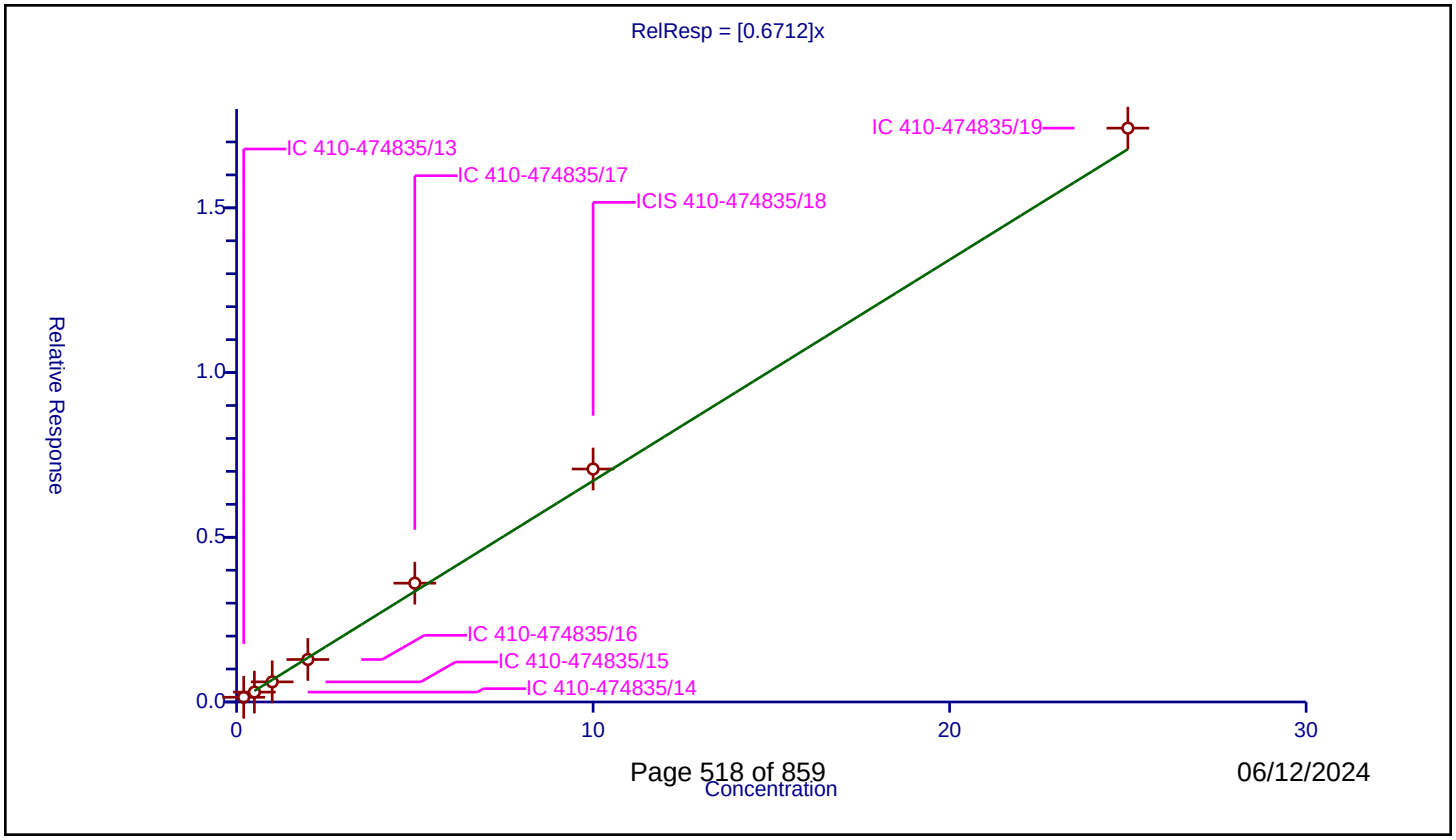
Curve Coefficients

Intercept:	0
Slope:	0.6712

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.143502	10.0	1545342.0	0.717511	Y
2	IC 410-474835/14	0.5	0.299958	10.0	1620593.0	0.599916	Y
3	IC 410-474835/15	1.0	0.610853	10.0	1649432.0	0.610853	Y
4	IC 410-474835/16	2.0	1.290023	10.0	1625521.0	0.645012	Y
5	IC 410-474835/17	5.0	3.606577	10.0	1641834.0	0.721315	Y
6	ICIS 410-474835/18	10.0	7.071816	10.0	1705757.0	0.707182	Y
7	IC 410-474835/19	25.0	17.419255	10.0	1759422.0	0.69677	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

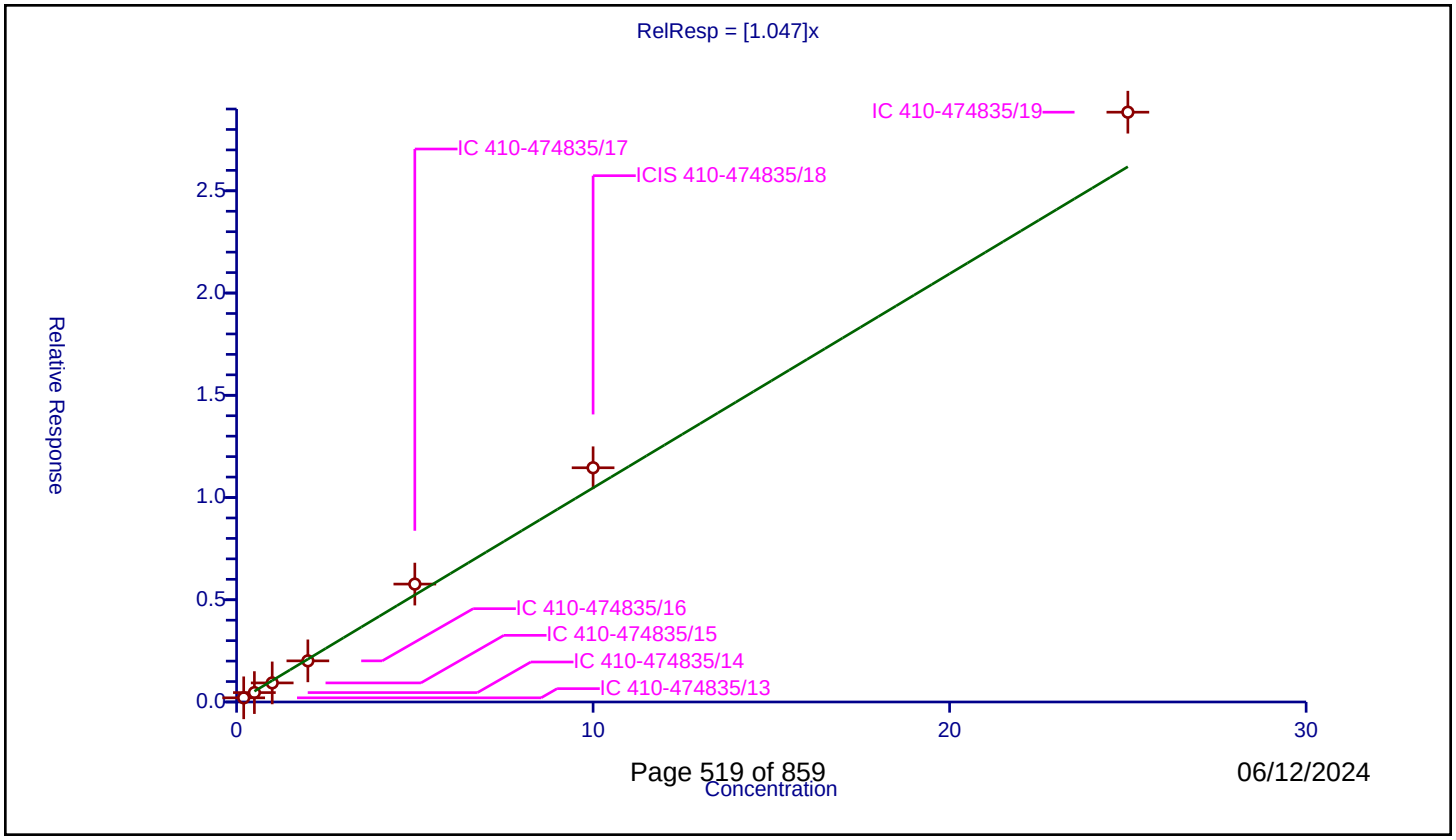
Curve Coefficients

Intercept:	0
Slope:	1.047

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.203677	10.0	1545342.0	1.018383	Y
2	IC 410-474835/14	0.5	0.459727	10.0	1620593.0	0.919454	Y
3	IC 410-474835/15	1.0	0.9336	10.0	1649432.0	0.9336	Y
4	IC 410-474835/16	2.0	2.011675	10.0	1625521.0	1.005838	Y
5	IC 410-474835/17	5.0	5.765924	10.0	1641834.0	1.153185	Y
6	ICIS 410-474835/18	10.0	11.455711	10.0	1705757.0	1.145571	Y
7	IC 410-474835/19	25.0	28.844535	10.0	1759422.0	1.153781	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

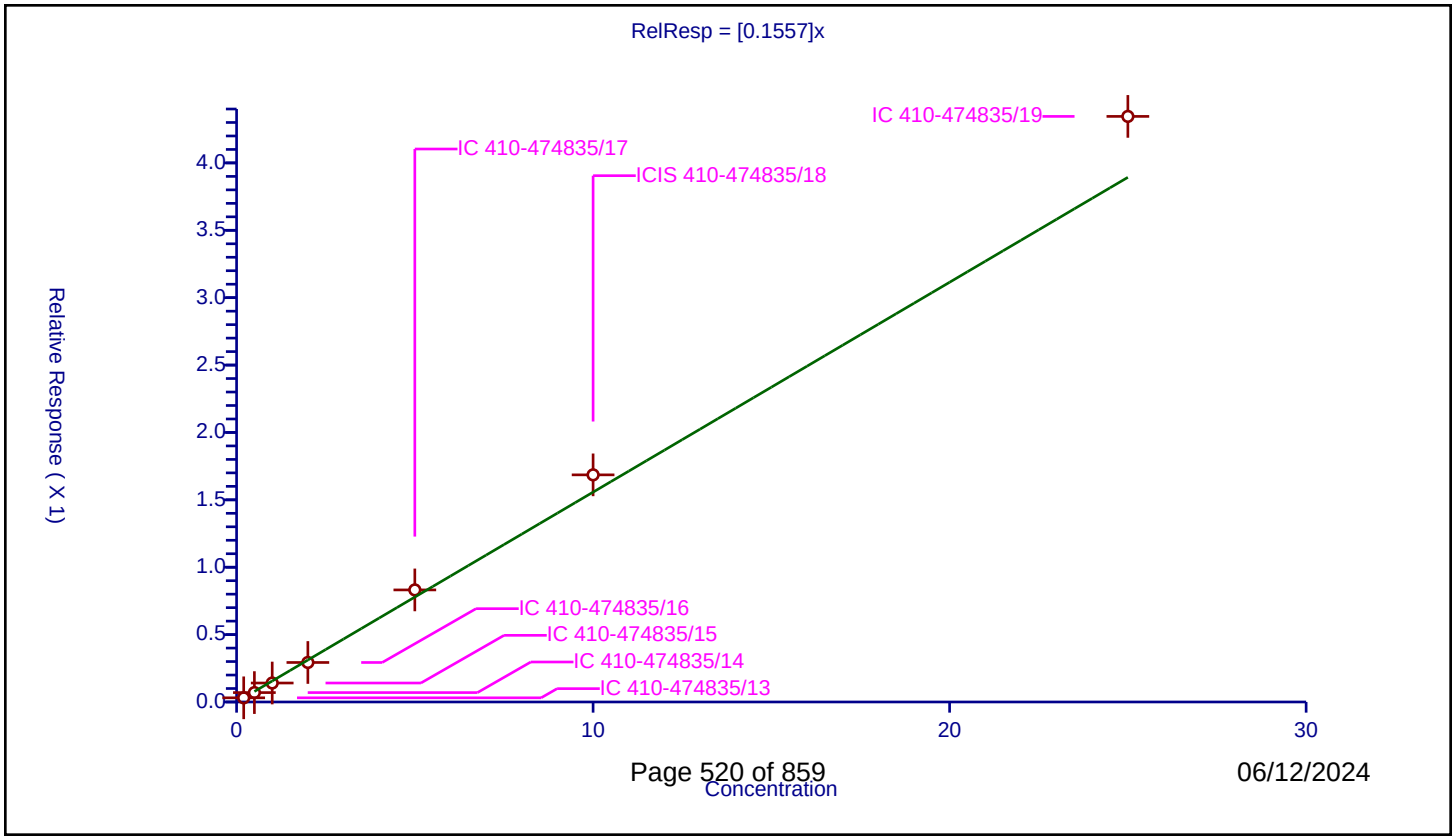
Curve Coefficients

Intercept:	0
Slope:	0.1557

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.030906	10.0	1545342.0	0.154529	Y
2	IC 410-474835/14	0.5	0.069795	10.0	1620593.0	0.139591	Y
3	IC 410-474835/15	1.0	0.140727	10.0	1649432.0	0.140727	Y
4	IC 410-474835/16	2.0	0.2931	10.0	1625521.0	0.14655	Y
5	IC 410-474835/17	5.0	0.831637	10.0	1641834.0	0.166327	Y
6	ICIS 410-474835/18	10.0	1.685351	10.0	1705757.0	0.168535	Y
7	IC 410-474835/19	25.0	4.345166	10.0	1759422.0	0.173807	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

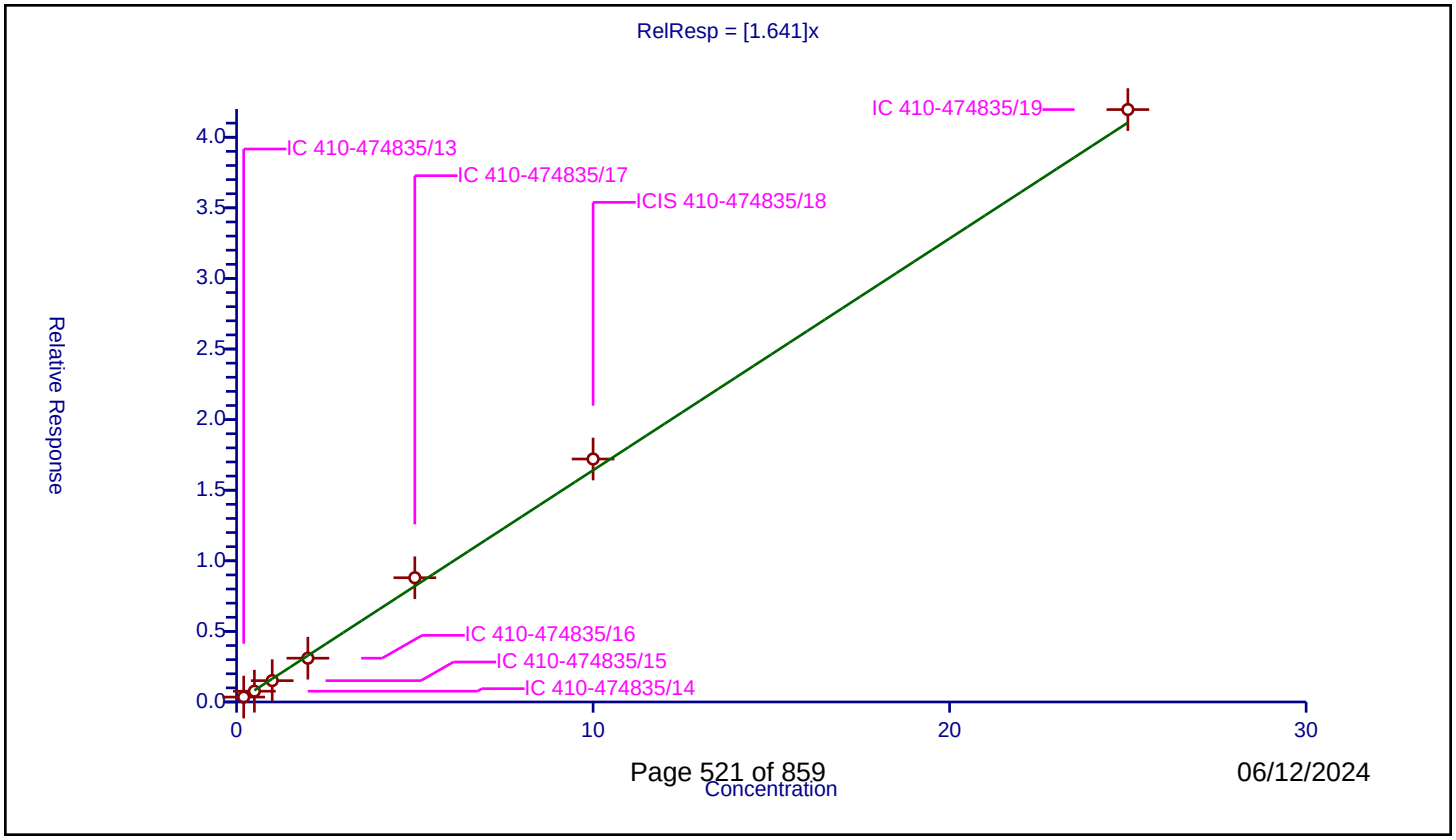
Curve Coefficients

Intercept:	0
Slope:	1.641

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.347904	10.0	1545342.0	1.739518	Y
2	IC 410-474835/14	0.5	0.764183	10.0	1620593.0	1.528366	Y
3	IC 410-474835/15	1.0	1.511872	10.0	1649432.0	1.511872	Y
4	IC 410-474835/16	2.0	3.101959	10.0	1625521.0	1.55098	Y
5	IC 410-474835/17	5.0	8.800713	10.0	1641834.0	1.760143	Y
6	ICIS 410-474835/18	10.0	17.209145	10.0	1705757.0	1.720915	Y
7	IC 410-474835/19	25.0	41.960036	10.0	1759422.0	1.678401	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

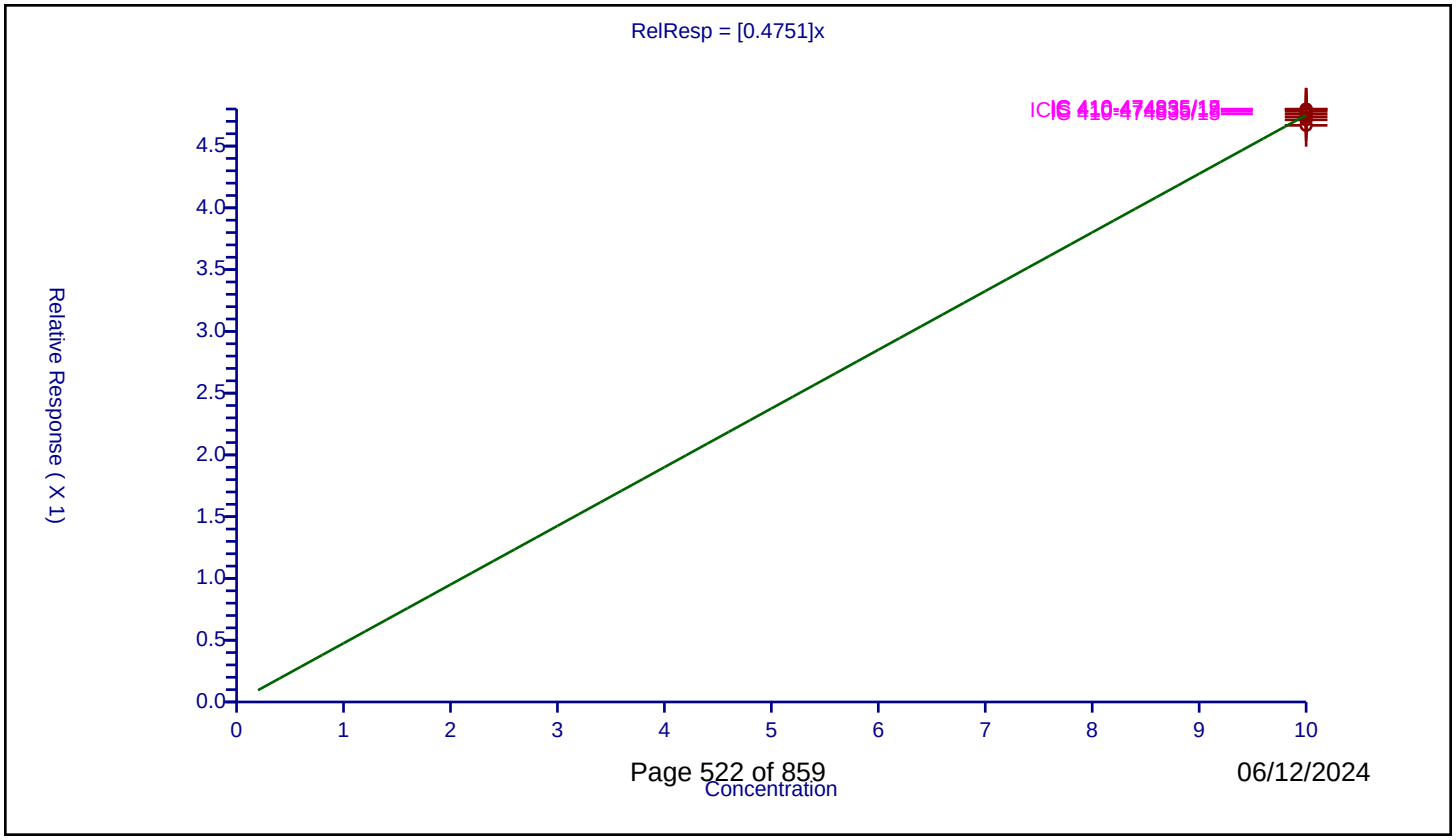
Curve Coefficients

Intercept:	0
Slope:	0.4751

Error Coefficients

Relative Standard Deviation:	1.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	10.0	4.667782	10.0	1545342.0	0.466778	Y
2	IC 410-474835/14	10.0	4.737241	10.0	1620593.0	0.473724	Y
3	IC 410-474835/15	10.0	4.760699	10.0	1649432.0	0.47607	Y
4	IC 410-474835/16	10.0	4.712655	10.0	1625521.0	0.471266	Y
5	IC 410-474835/17	10.0	4.798061	10.0	1641834.0	0.479806	Y
6	ICIS 410-474835/18	10.0	4.782352	10.0	1705757.0	0.478235	Y
7	IC 410-474835/19	10.0	4.798951	10.0	1759422.0	0.479895	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

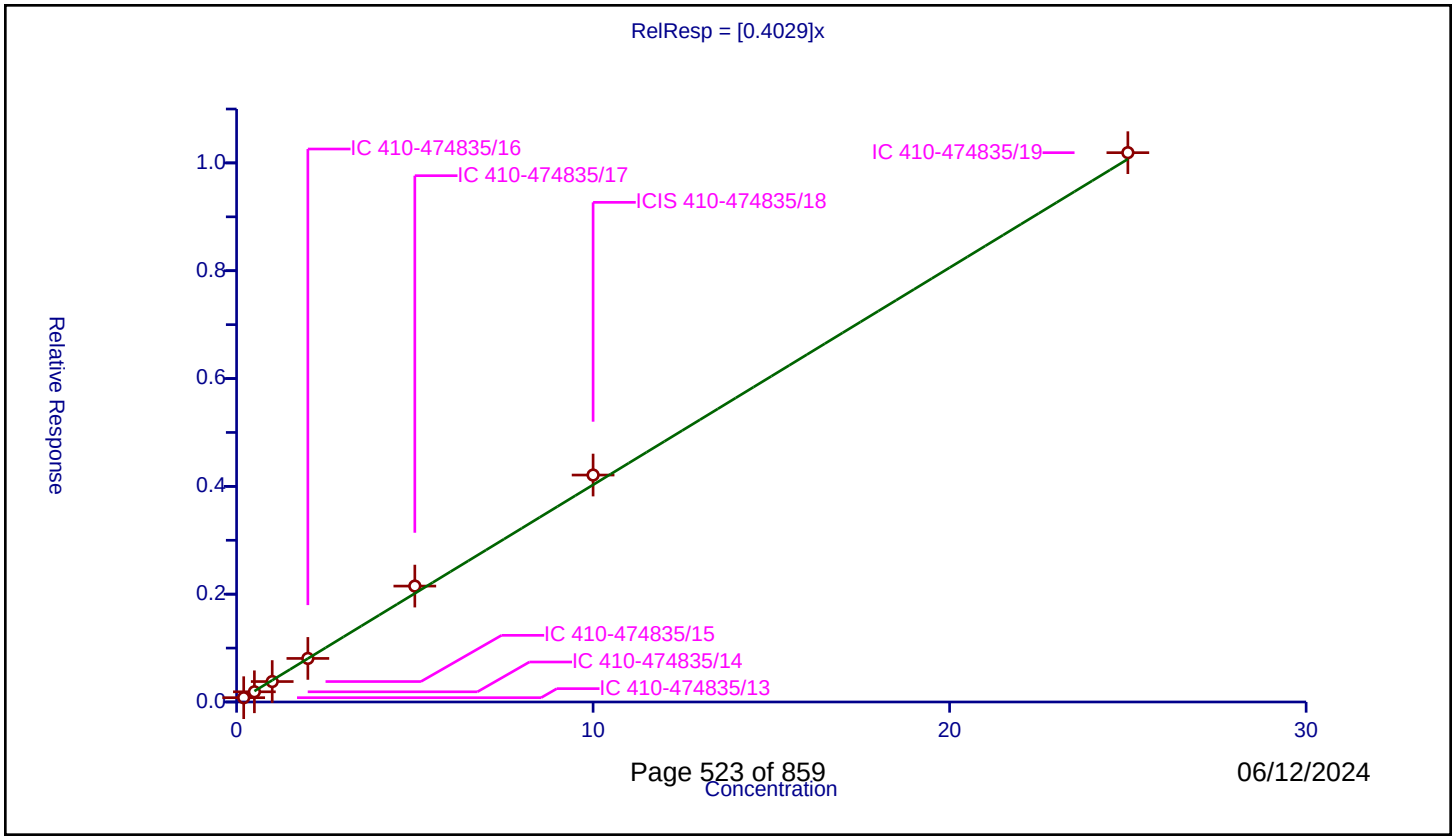
Curve Coefficients

Intercept:	0
Slope:	0.4029

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.079904	10.0	863287.0	0.39952	Y
2	IC 410-474835/14	0.5	0.189345	10.0	910826.0	0.378689	Y
3	IC 410-474835/15	1.0	0.379065	10.0	922956.0	0.379065	Y
4	IC 410-474835/16	2.0	0.808029	10.0	912579.0	0.404014	Y
5	IC 410-474835/17	5.0	2.150303	10.0	938026.0	0.430061	Y
6	ICIS 410-474835/18	10.0	4.210052	10.0	981254.0	0.421005	Y
7	IC 410-474835/19	25.0	10.190371	10.0	1037606.0	0.407615	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

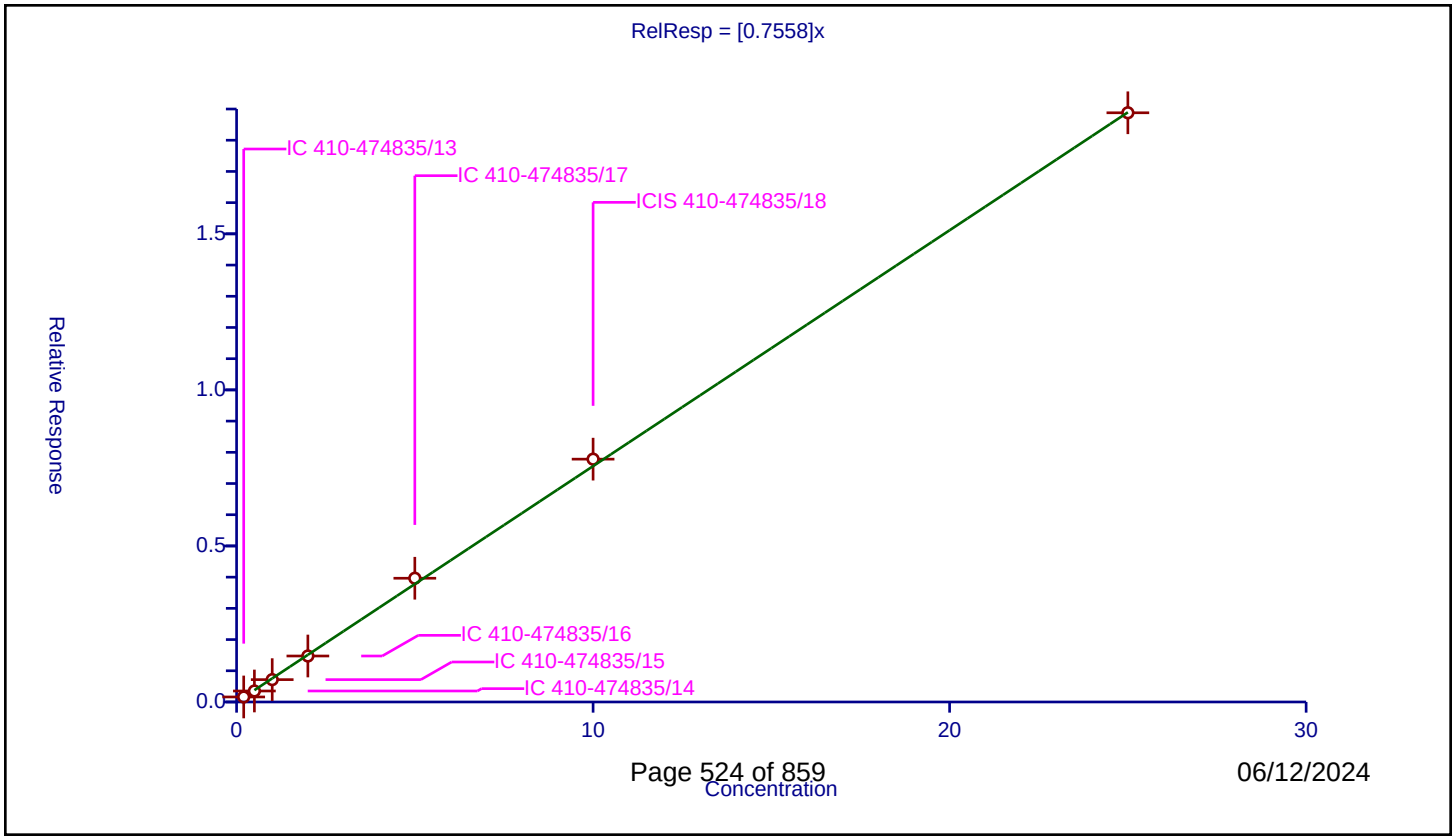
Curve Coefficients

Intercept:	0
Slope:	0.7558

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.161175	10.0	863287.0	0.805873	Y
2	IC 410-474835/14	0.5	0.352219	10.0	910826.0	0.704438	Y
3	IC 410-474835/15	1.0	0.716827	10.0	922956.0	0.716827	Y
4	IC 410-474835/16	2.0	1.473779	10.0	912579.0	0.73689	Y
5	IC 410-474835/17	5.0	3.964869	10.0	938026.0	0.792974	Y
6	ICIS 410-474835/18	10.0	7.781074	10.0	981254.0	0.778107	Y
7	IC 410-474835/19	25.0	18.879189	10.0	1037606.0	0.755168	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

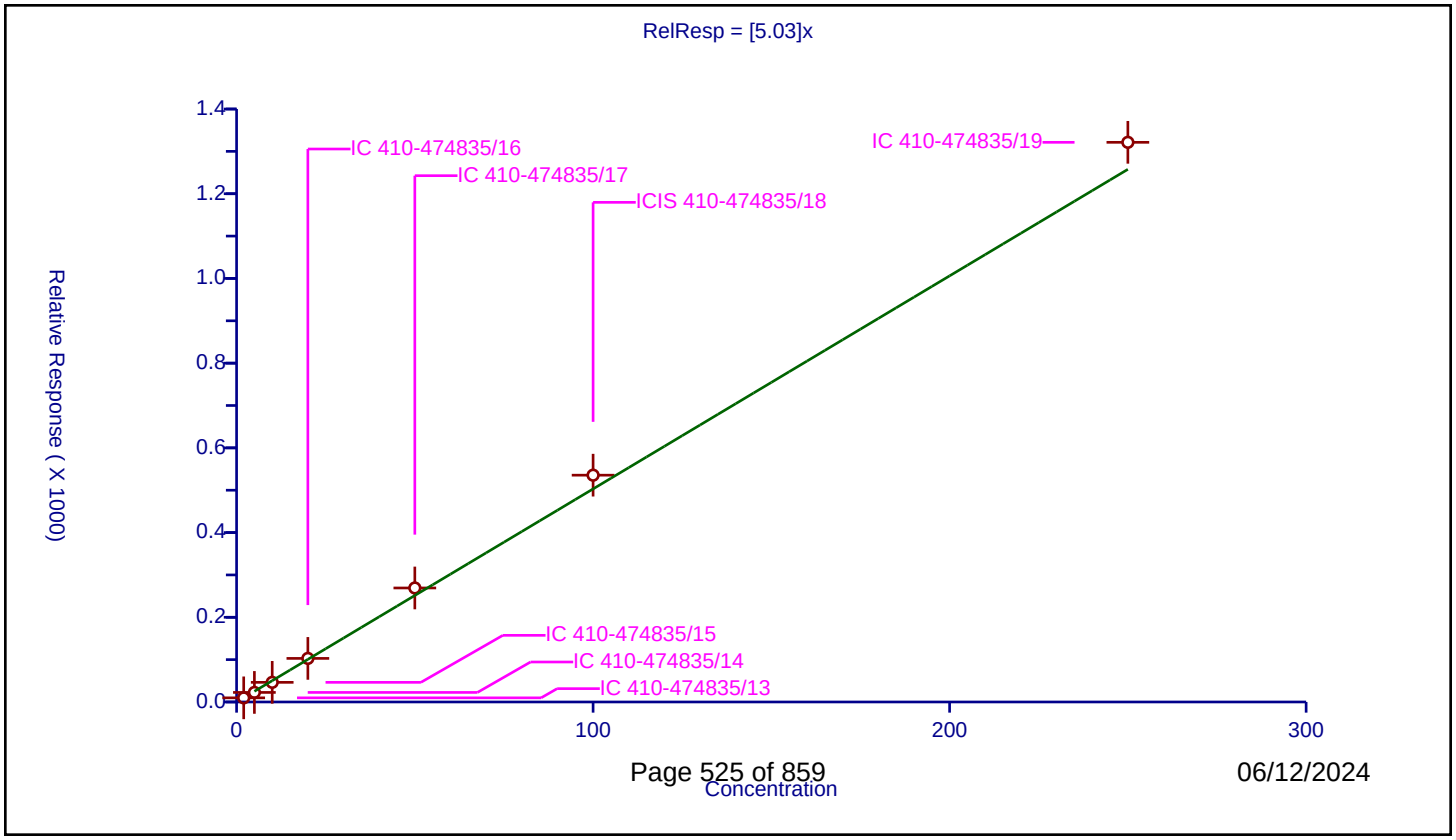
Curve Coefficients

Intercept:	0
Slope:	5.03

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	2.0	9.78432	50.0	91478.0	4.89216	Y
2	IC 410-474835/14	5.0	22.572176	50.0	97124.0	4.514435	Y
3	IC 410-474835/15	10.0	46.385914	50.0	98960.0	4.638591	Y
4	IC 410-474835/16	20.0	102.8808	50.0	94505.0	5.14404	Y
5	IC 410-474835/17	50.0	269.170208	50.0	102375.0	5.383404	Y
6	ICIS 410-474835/18	100.0	535.483233	50.0	106160.0	5.354832	Y
7	IC 410-474835/19	250.0	1321.348364	50.0	112922.0	5.285393	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

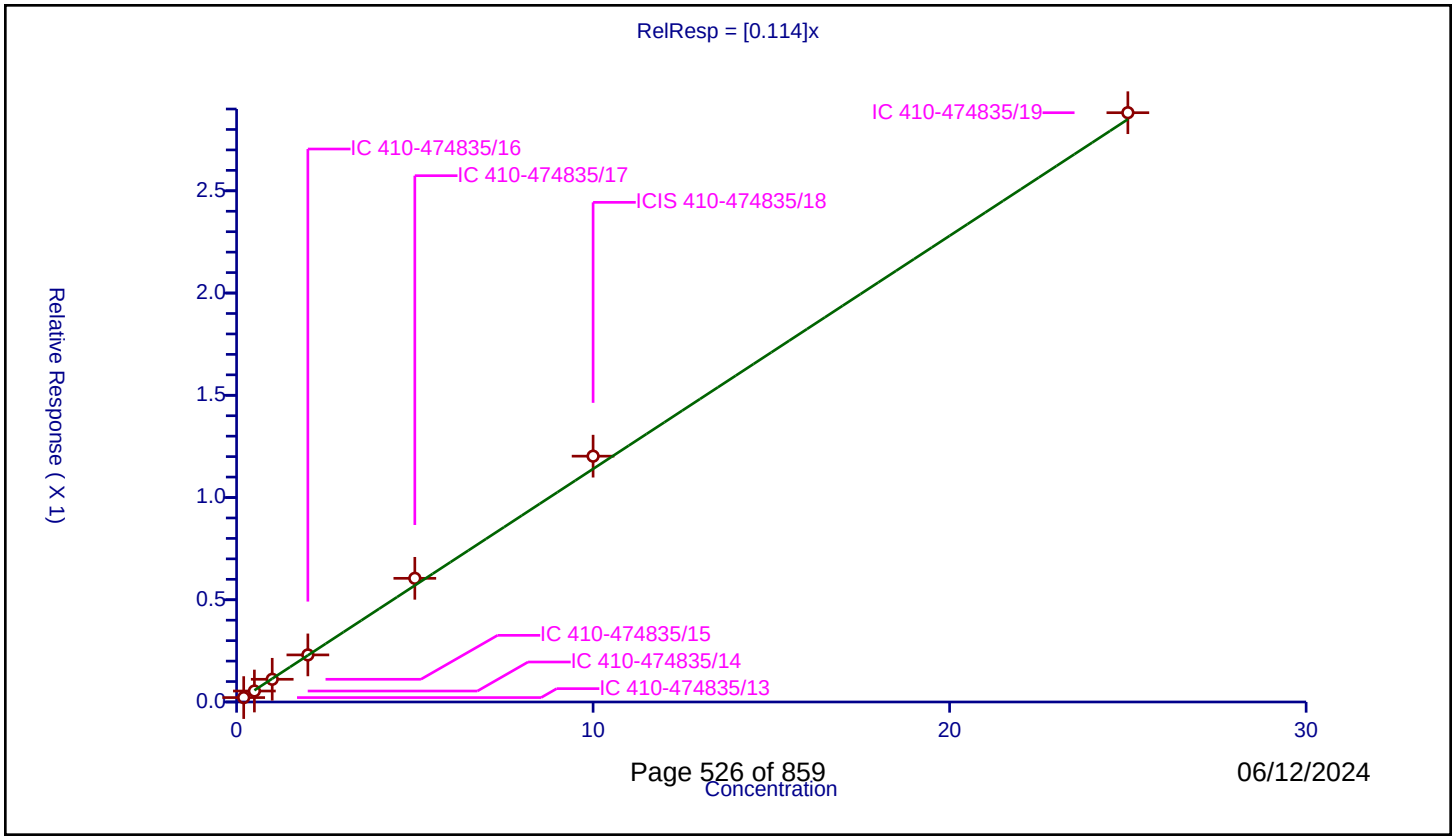
Curve Coefficients

Intercept:	0
Slope:	0.114

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.02158	10.0	863287.0	0.107902	Y
2	IC 410-474835/14	0.5	0.053677	10.0	910826.0	0.107353	Y
3	IC 410-474835/15	1.0	0.111078	10.0	922956.0	0.111078	Y
4	IC 410-474835/16	2.0	0.230303	10.0	912579.0	0.115152	Y
5	IC 410-474835/17	5.0	0.604866	10.0	938026.0	0.120973	Y
6	ICIS 410-474835/18	10.0	1.202217	10.0	981254.0	0.120222	Y
7	IC 410-474835/19	25.0	2.882028	10.0	1037606.0	0.115281	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

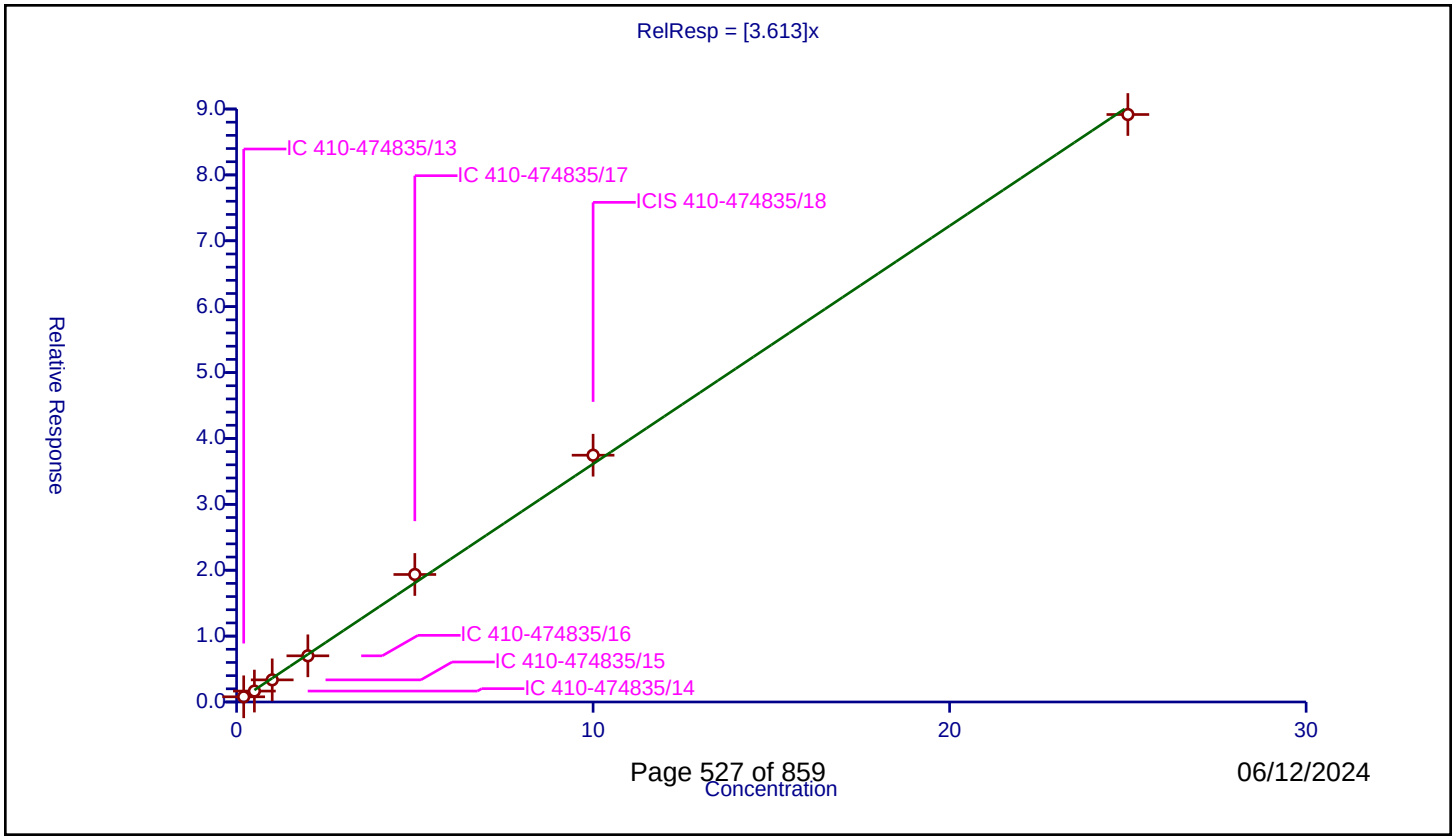
Curve Coefficients

Intercept:	0
Slope:	3.613

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.786054	10.0	863287.0	3.930269	Y
2	IC 410-474835/14	0.5	1.658451	10.0	910826.0	3.316901	Y
3	IC 410-474835/15	1.0	3.359109	10.0	922956.0	3.359109	Y
4	IC 410-474835/16	2.0	7.009399	10.0	912579.0	3.504699	Y
5	IC 410-474835/17	5.0	19.35279	10.0	938026.0	3.870558	Y
6	ICIS 410-474835/18	10.0	37.454706	10.0	981254.0	3.745471	Y
7	IC 410-474835/19	25.0	89.166533	10.0	1037606.0	3.566661	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

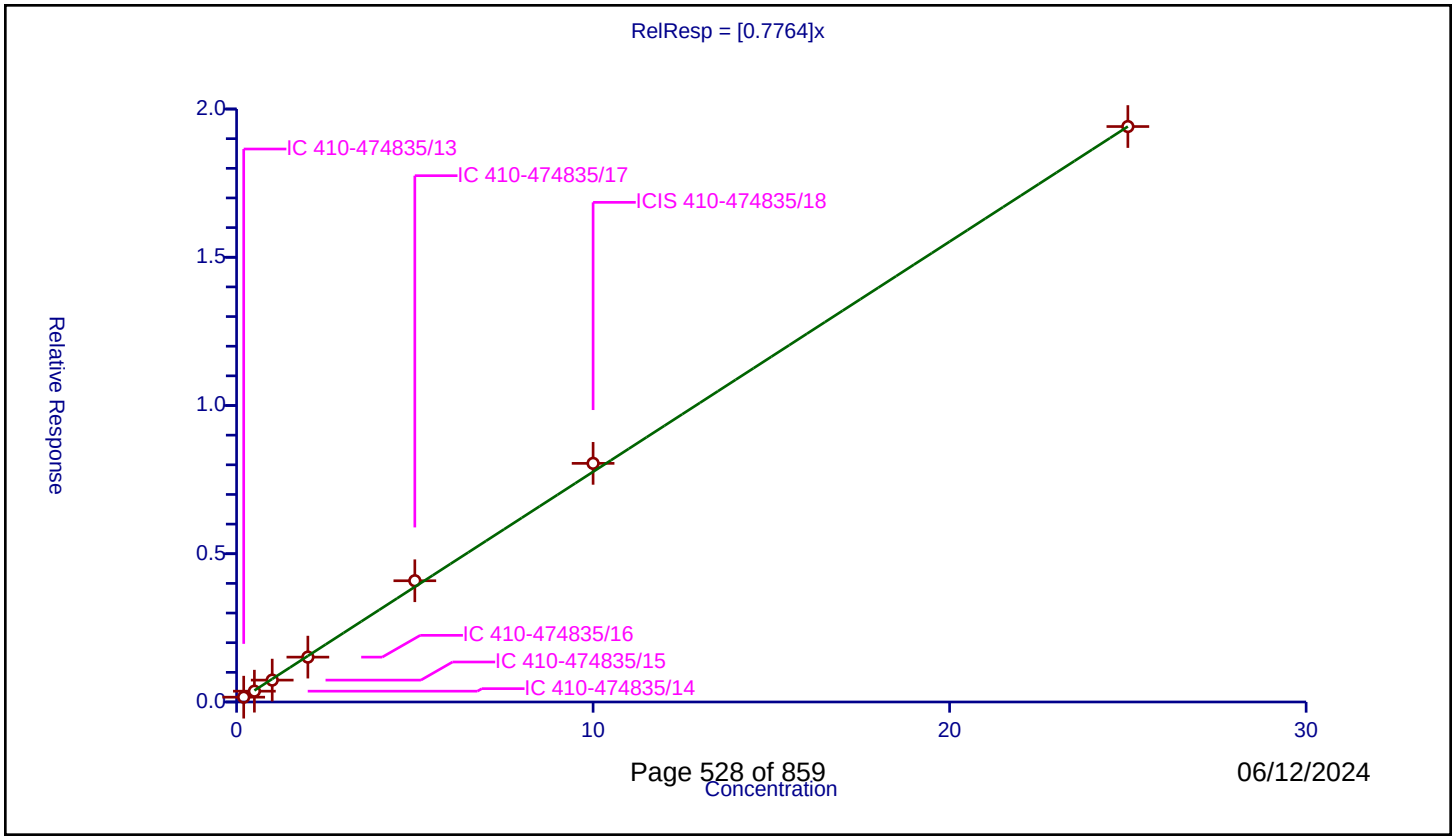
Curve Coefficients

Intercept:	0
Slope:	0.7764

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.162345	10.0	863287.0	0.811723	Y
2	IC 410-474835/14	0.5	0.364801	10.0	910826.0	0.729601	Y
3	IC 410-474835/15	1.0	0.738085	10.0	922956.0	0.738085	Y
4	IC 410-474835/16	2.0	1.512833	10.0	912579.0	0.756417	Y
5	IC 410-474835/17	5.0	4.088885	10.0	938026.0	0.817777	Y
6	ICIS 410-474835/18	10.0	8.048161	10.0	981254.0	0.804816	Y
7	IC 410-474835/19	25.0	19.409024	10.0	1037606.0	0.776361	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

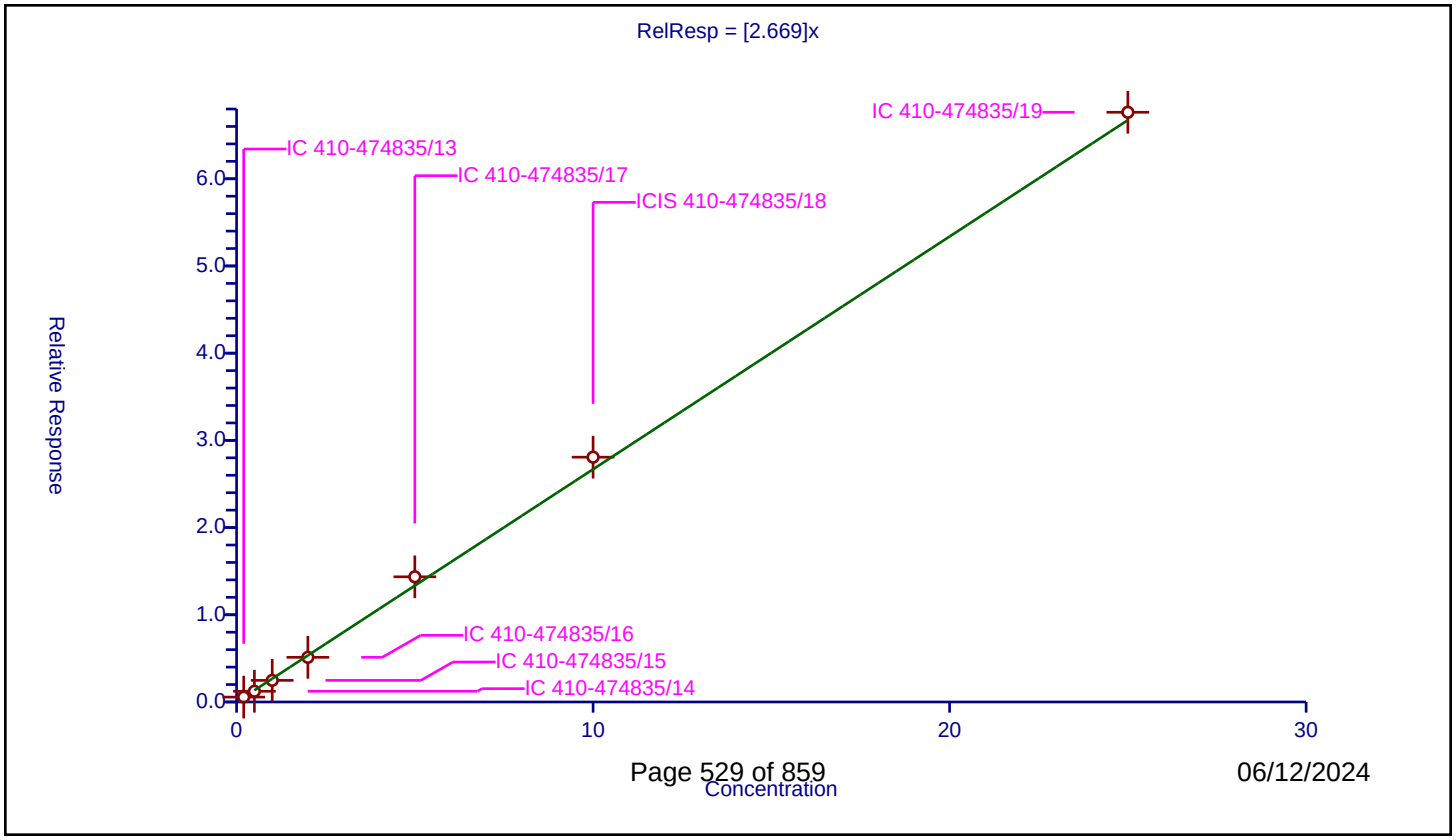
Curve Coefficients

Intercept:	0
Slope:	2.669

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.55964	10.0	863287.0	2.7982	Y
2	IC 410-474835/14	0.5	1.231399	10.0	910826.0	2.462798	Y
3	IC 410-474835/15	1.0	2.478796	10.0	922956.0	2.478796	Y
4	IC 410-474835/16	2.0	5.119338	10.0	912579.0	2.559669	Y
5	IC 410-474835/17	5.0	14.355018	10.0	938026.0	2.871004	Y
6	ICIS 410-474835/18	10.0	28.074168	10.0	981254.0	2.807417	Y
7	IC 410-474835/19	25.0	67.626112	10.0	1037606.0	2.705044	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

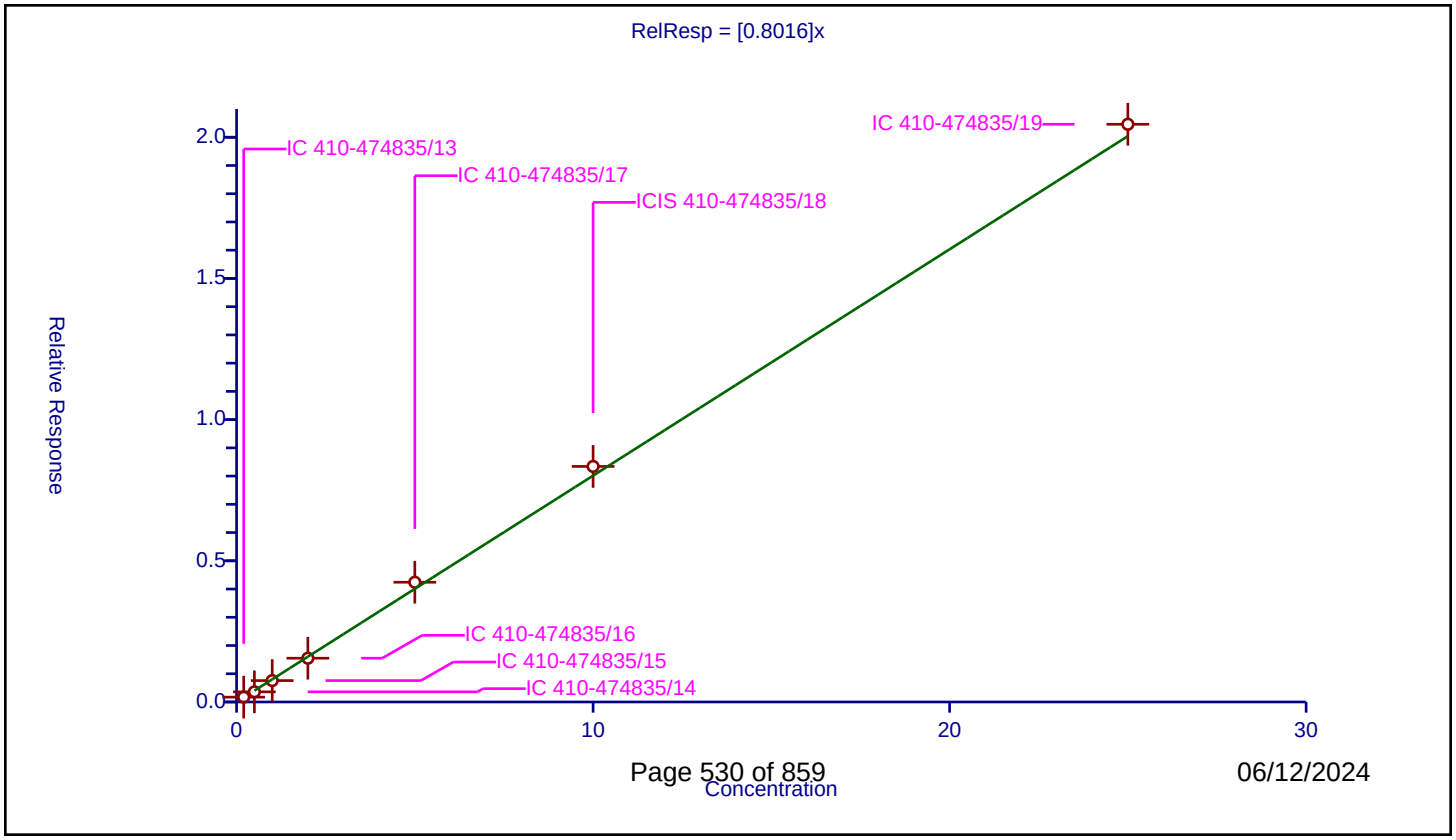
Curve Coefficients

Intercept:	0
Slope:	0.8016

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.171808	10.0	863287.0	0.859042	Y
2	IC 410-474835/14	0.5	0.359158	10.0	910826.0	0.718315	Y
3	IC 410-474835/15	1.0	0.757631	10.0	922956.0	0.757631	Y
4	IC 410-474835/16	2.0	1.55043	10.0	912579.0	0.775215	Y
5	IC 410-474835/17	5.0	4.240991	10.0	938026.0	0.848198	Y
6	ICIS 410-474835/18	10.0	8.341969	10.0	981254.0	0.834197	Y
7	IC 410-474835/19	25.0	20.459433	10.0	1037606.0	0.818377	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

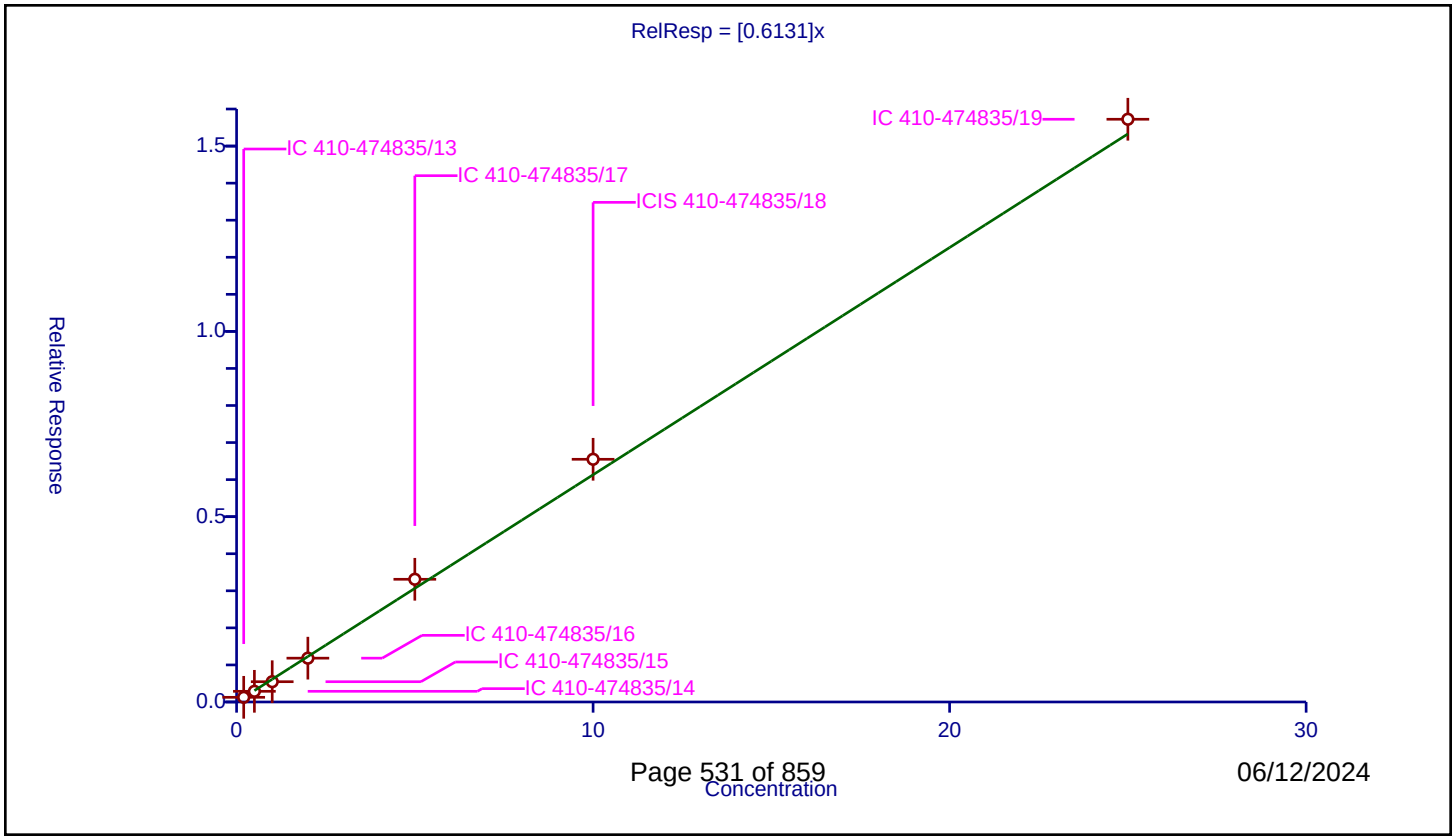
Curve Coefficients

Intercept:	0
Slope:	0.6131

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.126099	10.0	863287.0	0.630497	Y
2	IC 410-474835/14	0.5	0.288255	10.0	910826.0	0.57651	Y
3	IC 410-474835/15	1.0	0.54748	10.0	922956.0	0.54748	Y
4	IC 410-474835/16	2.0	1.18255	10.0	912579.0	0.591275	Y
5	IC 410-474835/17	5.0	3.310857	10.0	938026.0	0.662171	Y
6	ICIS 410-474835/18	10.0	6.548998	10.0	981254.0	0.6549	Y
7	IC 410-474835/19	25.0	15.723801	10.0	1037606.0	0.628952	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

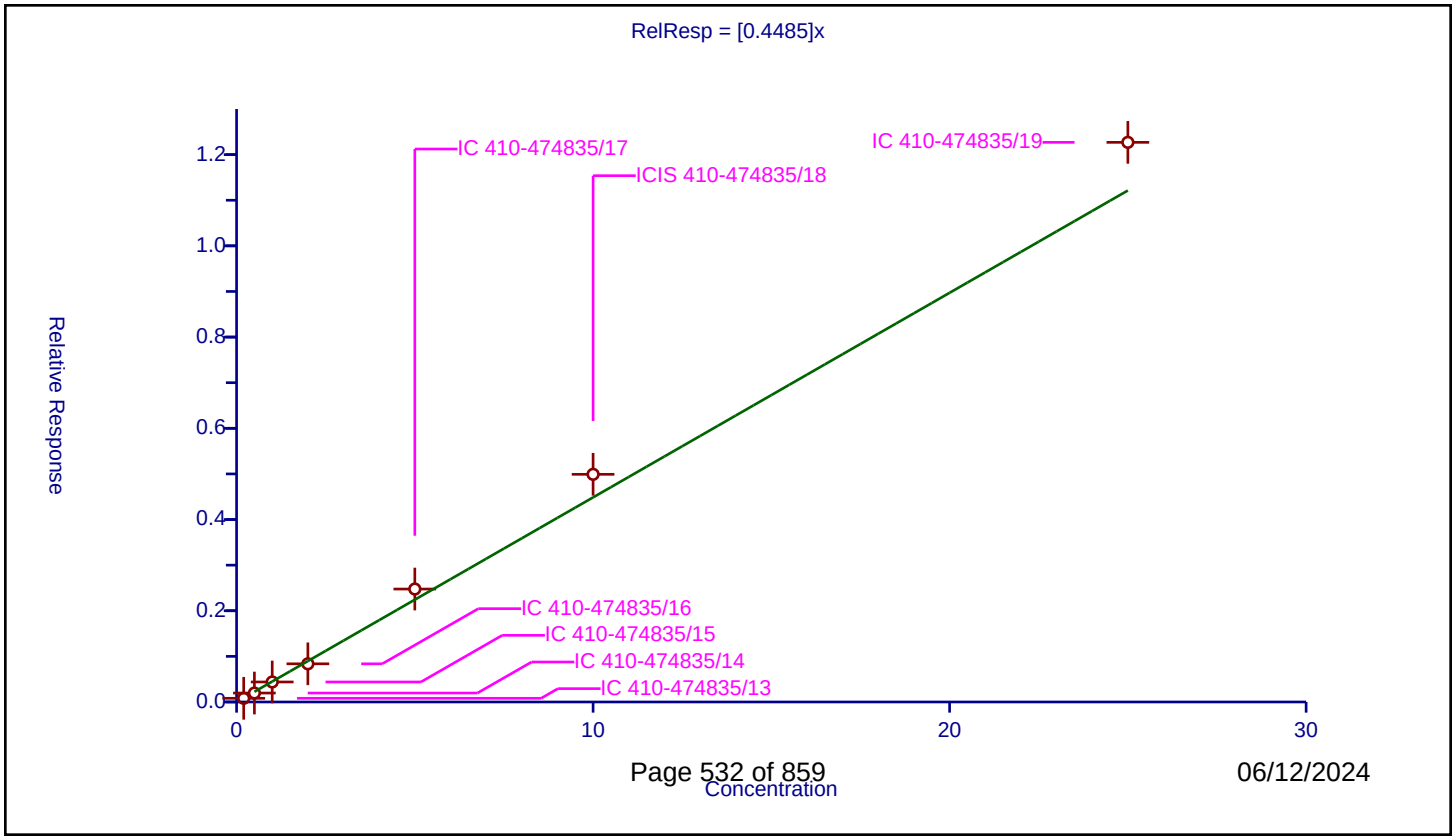
Curve Coefficients

Intercept:	0
Slope:	0.4485

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.081097	10.0	863287.0	0.405485	Y
2	IC 410-474835/14	0.5	0.195943	10.0	910826.0	0.391886	Y
3	IC 410-474835/15	1.0	0.439013	10.0	922956.0	0.439013	Y
4	IC 410-474835/16	2.0	0.836695	10.0	912579.0	0.418347	Y
5	IC 410-474835/17	5.0	2.475902	10.0	938026.0	0.49518	Y
6	ICIS 410-474835/18	10.0	4.99094	10.0	981254.0	0.499094	Y
7	IC 410-474835/19	25.0	12.269281	10.0	1037606.0	0.490771	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

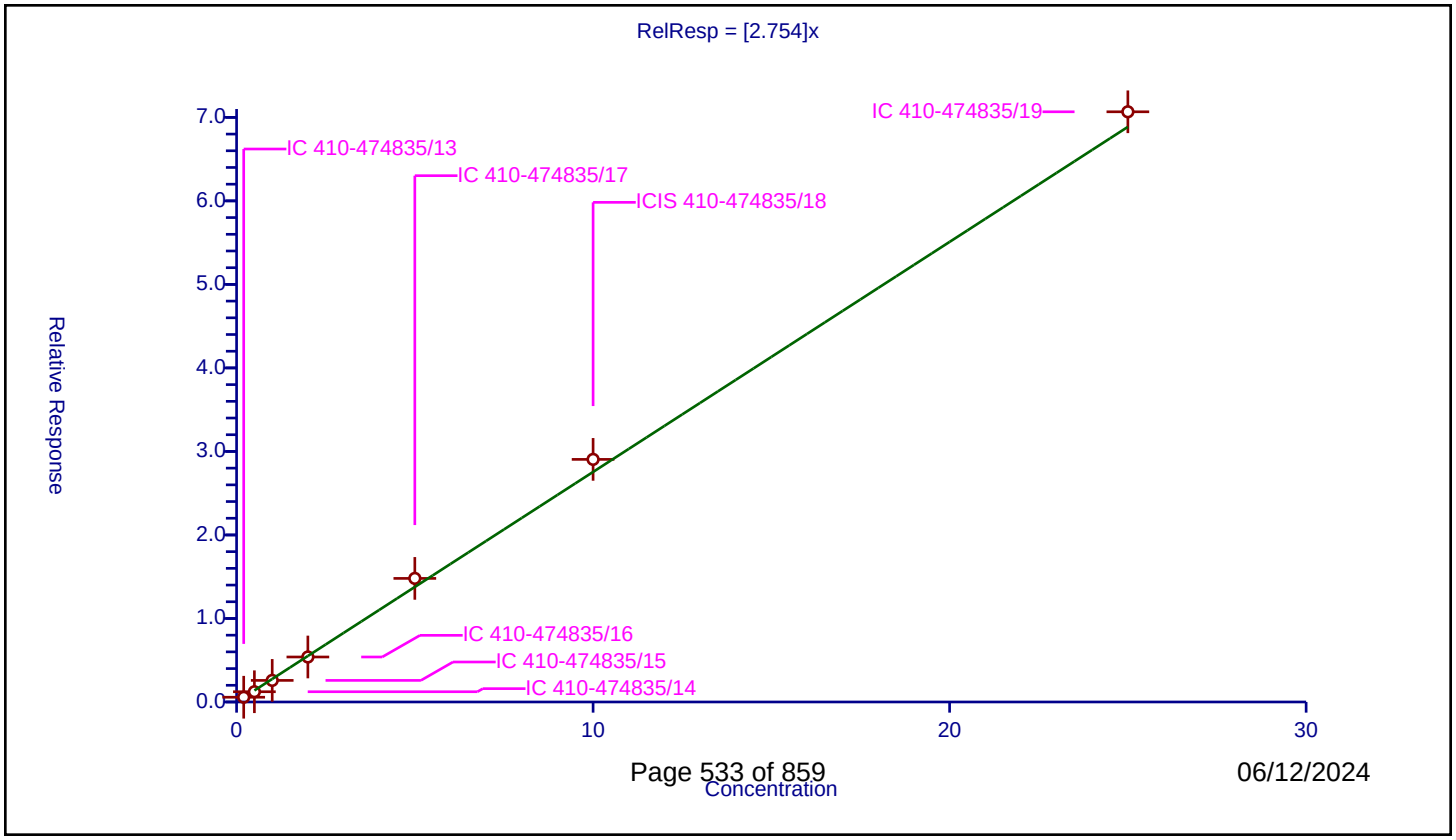
Curve Coefficients

Intercept:	0
Slope:	2.754

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.571432	10.0	863287.0	2.857161	Y
2	IC 410-474835/14	0.5	1.22648	10.0	910826.0	2.45296	Y
3	IC 410-474835/15	1.0	2.586093	10.0	922956.0	2.586093	Y
4	IC 410-474835/16	2.0	5.387194	10.0	912579.0	2.693597	Y
5	IC 410-474835/17	5.0	14.798897	10.0	938026.0	2.959779	Y
6	ICIS 410-474835/18	10.0	29.048391	10.0	981254.0	2.904839	Y
7	IC 410-474835/19	25.0	70.668202	10.0	1037606.0	2.826728	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

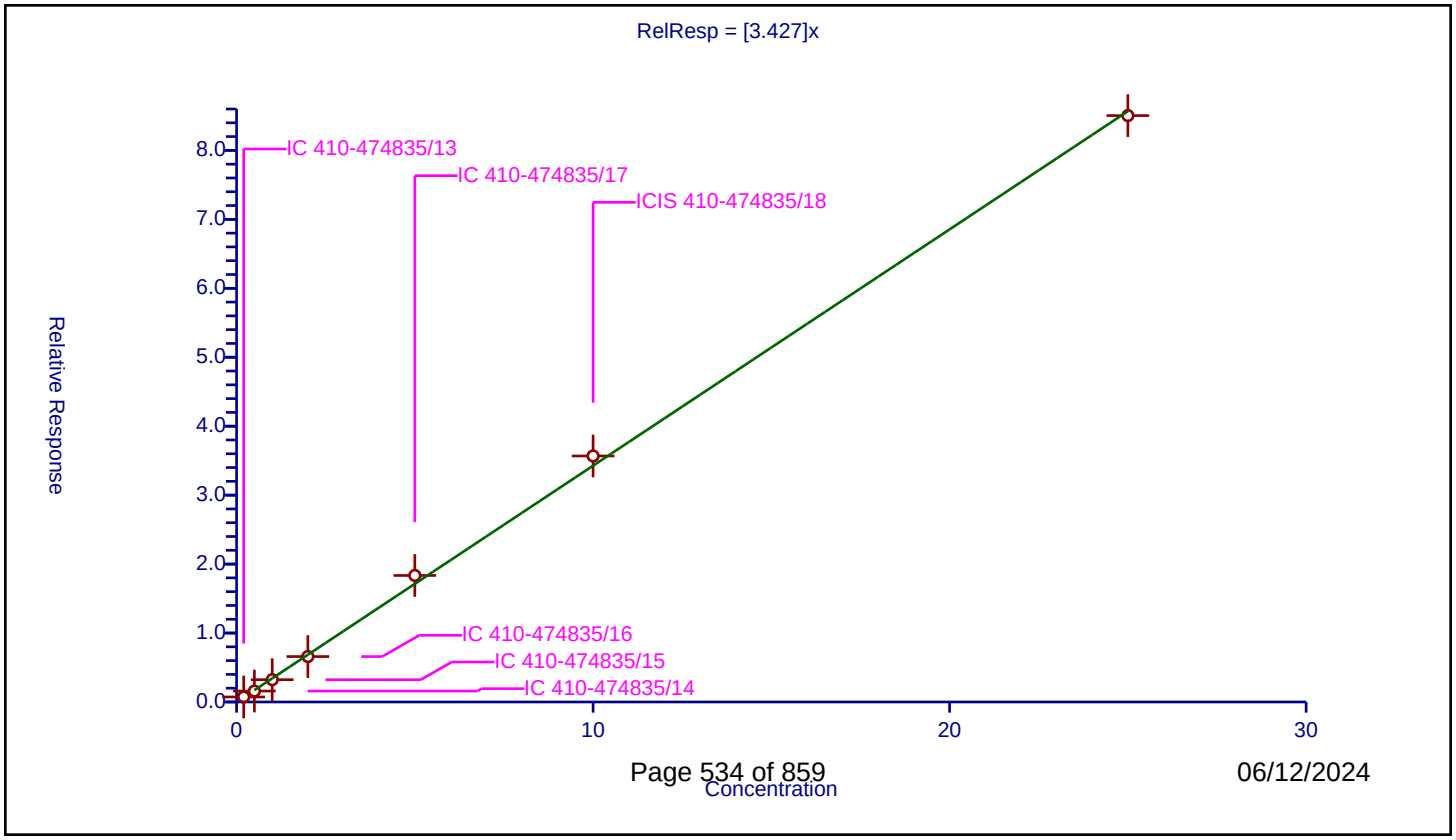
Curve Coefficients

Intercept:	0
Slope:	3.427

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.728576	10.0	863287.0	3.642879	Y
2	IC 410-474835/14	0.5	1.58948	10.0	910826.0	3.178961	Y
3	IC 410-474835/15	1.0	3.234174	10.0	922956.0	3.234174	Y
4	IC 410-474835/16	2.0	6.589709	10.0	912579.0	3.294854	Y
5	IC 410-474835/17	5.0	18.348265	10.0	938026.0	3.669653	Y
6	ICIS 410-474835/18	10.0	35.678204	10.0	981254.0	3.56782	Y
7	IC 410-474835/19	25.0	85.043282	10.0	1037606.0	3.401731	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

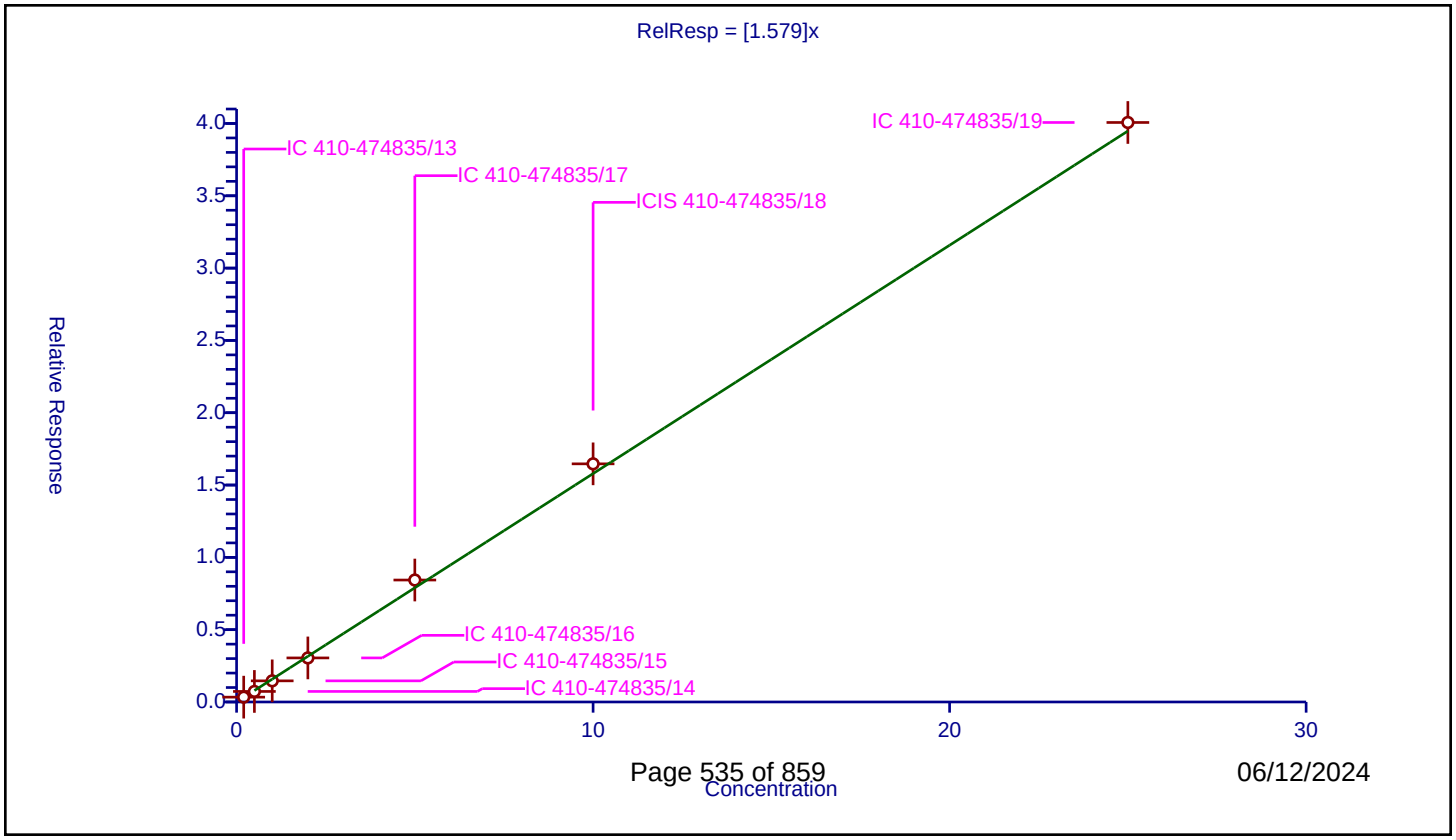
Curve Coefficients

Intercept:	0
Slope:	1.579

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.334547	10.0	863287.0	1.672735	Y
2	IC 410-474835/14	0.5	0.729799	10.0	910826.0	1.459598	Y
3	IC 410-474835/15	1.0	1.462096	10.0	922956.0	1.462096	Y
4	IC 410-474835/16	2.0	3.046454	10.0	912579.0	1.523227	Y
5	IC 410-474835/17	5.0	8.43354	10.0	938026.0	1.686708	Y
6	ICIS 410-474835/18	10.0	16.465635	10.0	981254.0	1.646563	Y
7	IC 410-474835/19	25.0	40.069275	10.0	1037606.0	1.602771	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

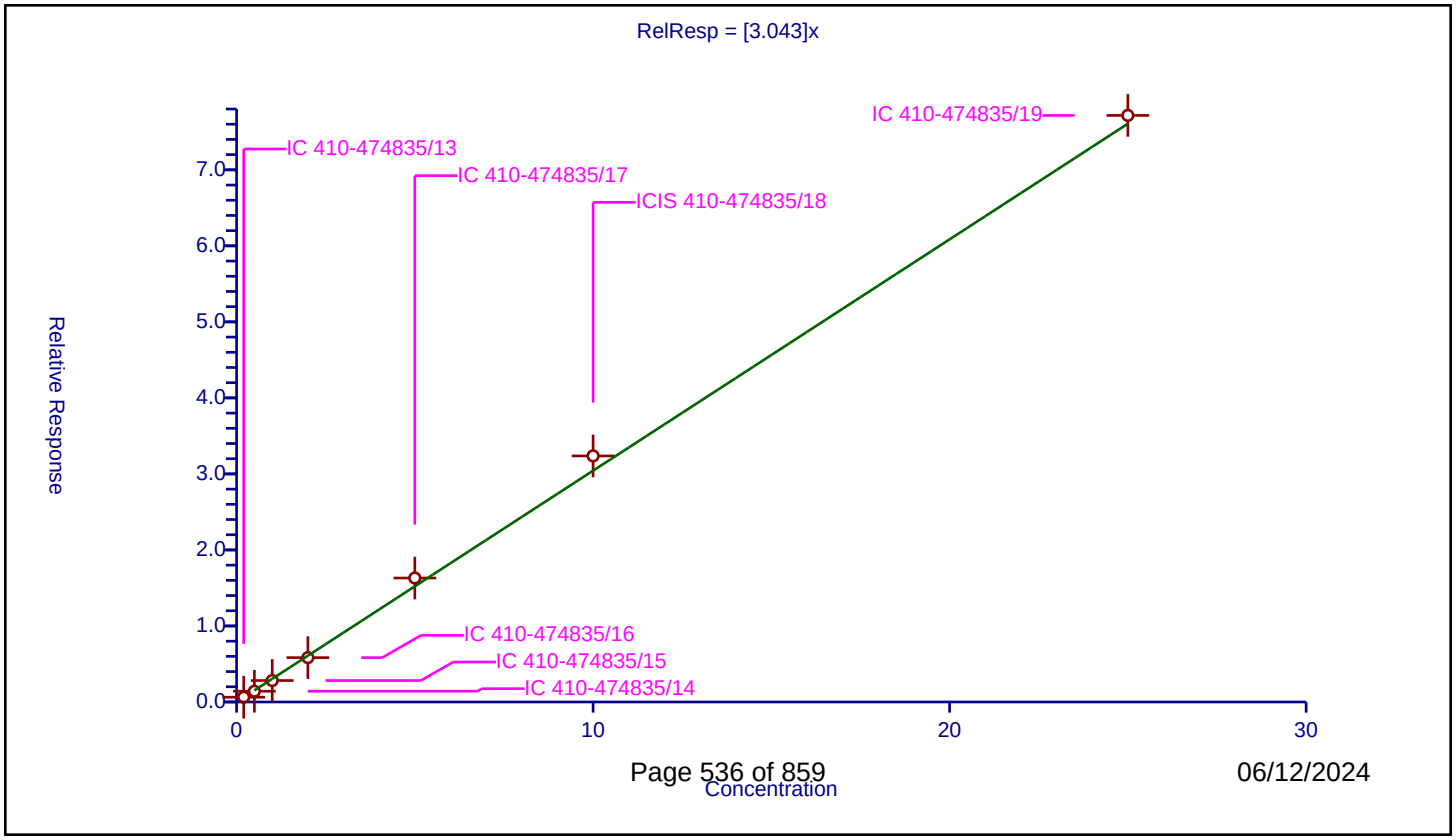
Curve Coefficients

Intercept:	0
Slope:	3.043

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.629594	10.0	863287.0	3.147968	Y
2	IC 410-474835/14	0.5	1.414727	10.0	910826.0	2.829454	Y
3	IC 410-474835/15	1.0	2.820459	10.0	922956.0	2.820459	Y
4	IC 410-474835/16	2.0	5.833533	10.0	912579.0	2.916767	Y
5	IC 410-474835/17	5.0	16.304655	10.0	938026.0	3.260931	Y
6	ICIS 410-474835/18	10.0	32.369427	10.0	981254.0	3.236943	Y
7	IC 410-474835/19	25.0	77.156551	10.0	1037606.0	3.086262	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

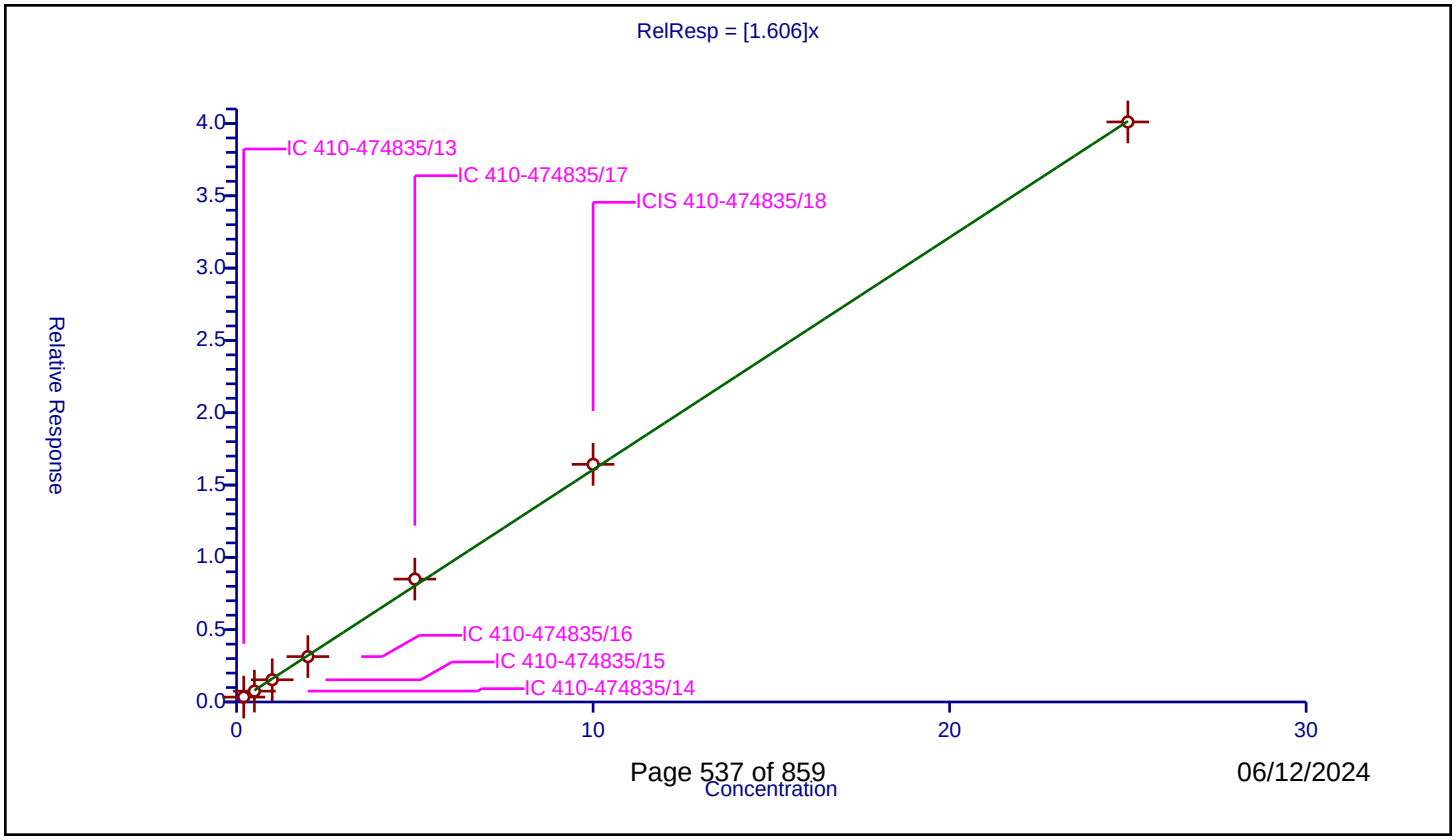
Curve Coefficients

Intercept:	0
Slope:	1.606

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.33757	10.0	863287.0	1.687851	Y
2	IC 410-474835/14	0.5	0.751505	10.0	910826.0	1.503009	Y
3	IC 410-474835/15	1.0	1.536801	10.0	922956.0	1.536801	Y
4	IC 410-474835/16	2.0	3.138862	10.0	912579.0	1.569431	Y
5	IC 410-474835/17	5.0	8.497568	10.0	938026.0	1.699514	Y
6	ICIS 410-474835/18	10.0	16.430639	10.0	981254.0	1.643064	Y
7	IC 410-474835/19	25.0	40.105984	10.0	1037606.0	1.604239	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

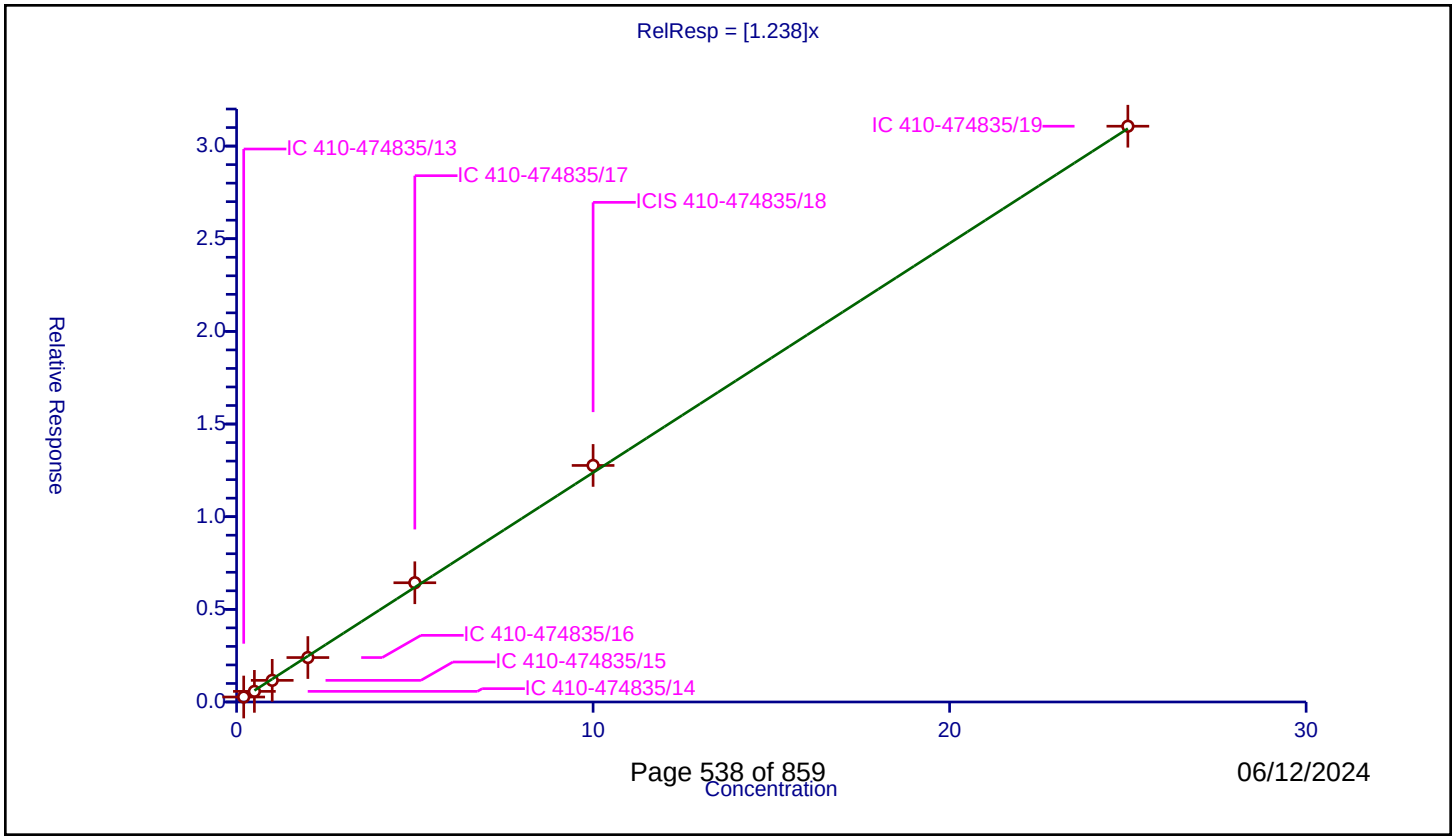
Curve Coefficients

Intercept:	0
Slope:	1.238

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.268717	10.0	863287.0	1.343586	Y
2	IC 410-474835/14	0.5	0.57337	10.0	910826.0	1.146739	Y
3	IC 410-474835/15	1.0	1.168452	10.0	922956.0	1.168452	Y
4	IC 410-474835/16	2.0	2.398214	10.0	912579.0	1.199107	Y
5	IC 410-474835/17	5.0	6.43528	10.0	938026.0	1.287056	Y
6	ICIS 410-474835/18	10.0	12.765003	10.0	981254.0	1.2765	Y
7	IC 410-474835/19	25.0	31.071515	10.0	1037606.0	1.242861	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

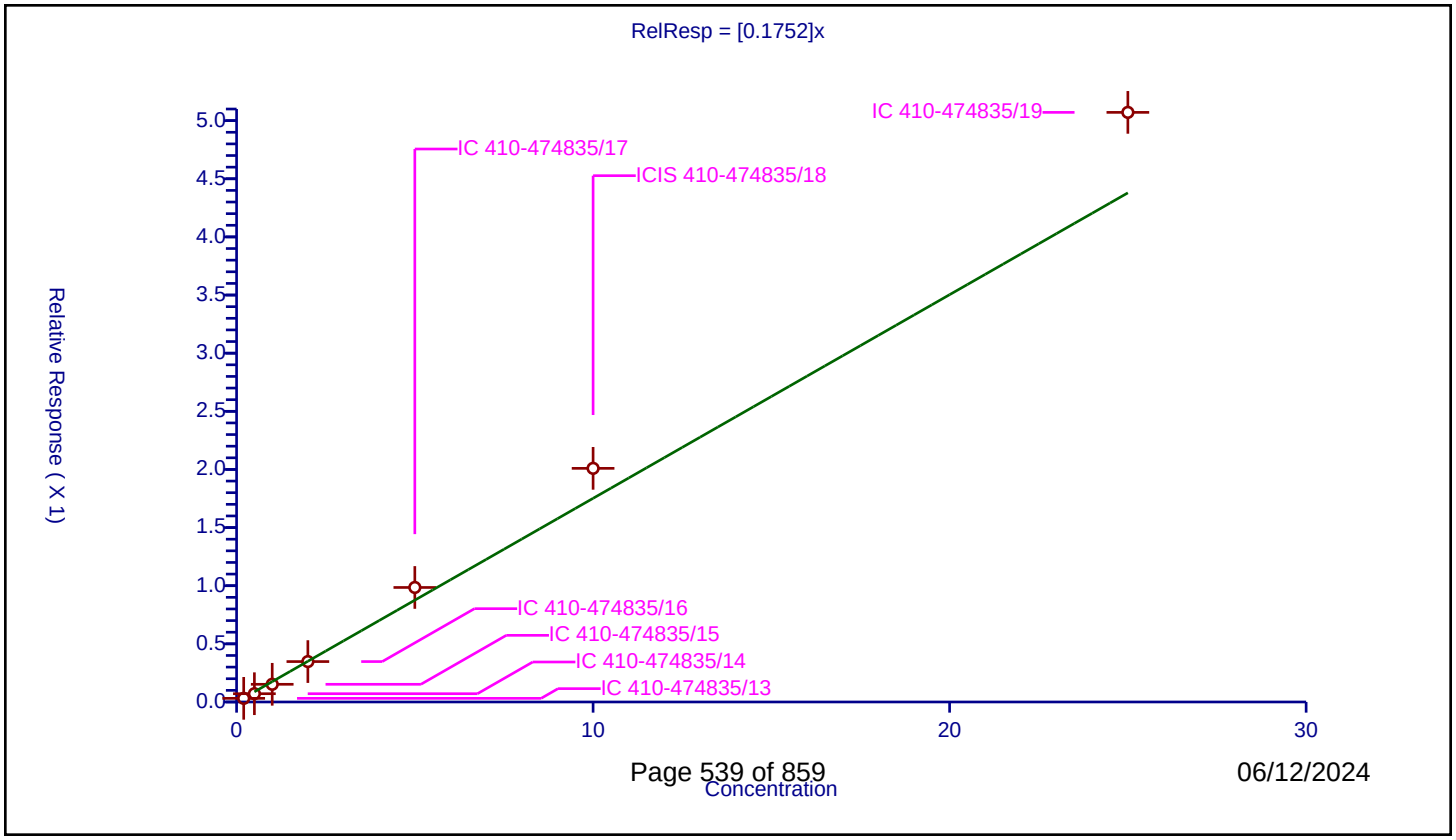
Curve Coefficients

Intercept:	0
Slope:	0.1752

Error Coefficients

Relative Standard Deviation:	14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.031368	10.0	863287.0	0.156842	Y
2	IC 410-474835/14	0.5	0.071254	10.0	910826.0	0.142508	Y
3	IC 410-474835/15	1.0	0.152217	10.0	922956.0	0.152217	Y
4	IC 410-474835/16	2.0	0.347477	10.0	912579.0	0.173738	Y
5	IC 410-474835/17	5.0	0.984983	10.0	938026.0	0.196997	Y
6	ICIS 410-474835/18	10.0	2.009561	10.0	981254.0	0.200956	Y
7	IC 410-474835/19	25.0	5.071106	10.0	1037606.0	0.202844	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

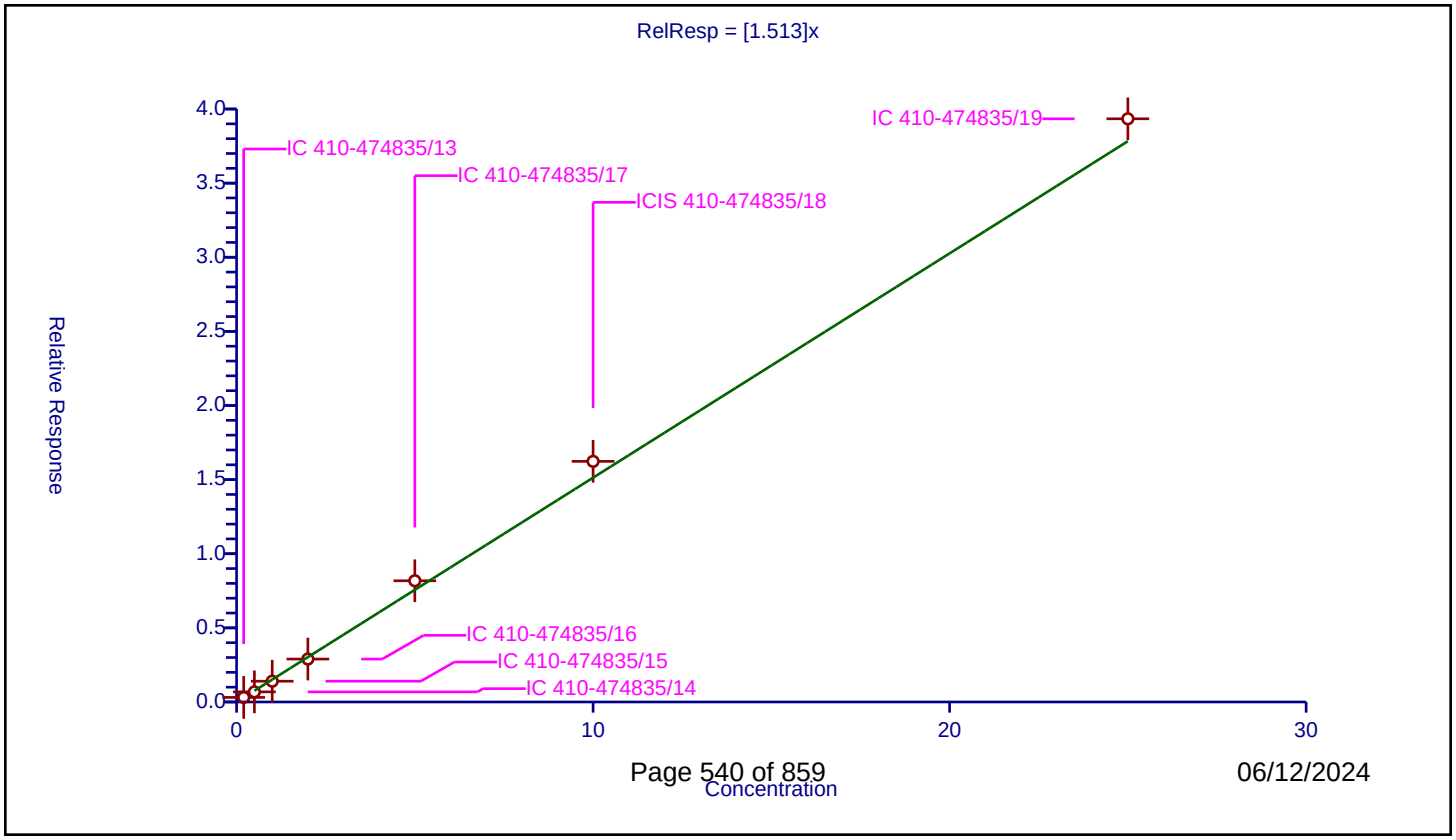
Curve Coefficients

Intercept:	0
Slope:	1.513

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.308634	10.0	863287.0	1.543172	Y
2	IC 410-474835/14	0.5	0.682952	10.0	910826.0	1.365903	Y
3	IC 410-474835/15	1.0	1.402277	10.0	922956.0	1.402277	Y
4	IC 410-474835/16	2.0	2.895837	10.0	912579.0	1.447918	Y
5	IC 410-474835/17	5.0	8.177385	10.0	938026.0	1.635477	Y
6	ICIS 410-474835/18	10.0	16.231037	10.0	981254.0	1.623104	Y
7	IC 410-474835/19	25.0	39.340675	10.0	1037606.0	1.573627	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

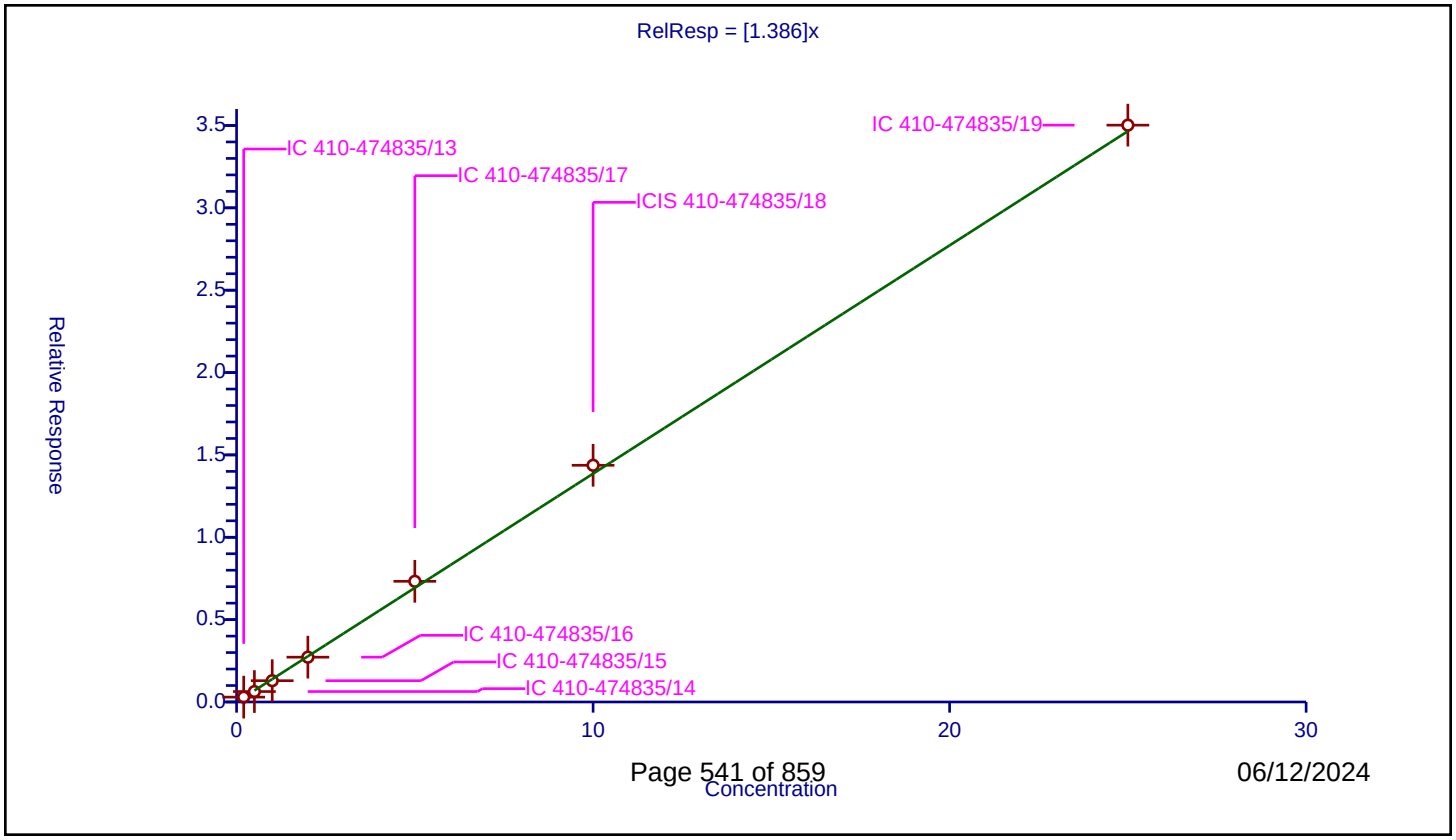
Curve Coefficients

Intercept:	0
Slope:	1.386

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.296205	10.0	863287.0	1.481025	Y
2	IC 410-474835/14	0.5	0.633151	10.0	910826.0	1.266301	Y
3	IC 410-474835/15	1.0	1.292012	10.0	922956.0	1.292012	Y
4	IC 410-474835/16	2.0	2.72017	10.0	912579.0	1.360085	Y
5	IC 410-474835/17	5.0	7.326044	10.0	938026.0	1.465209	Y
6	ICIS 410-474835/18	10.0	14.369949	10.0	981254.0	1.436995	Y
7	IC 410-474835/19	25.0	35.020152	10.0	1037606.0	1.400806	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

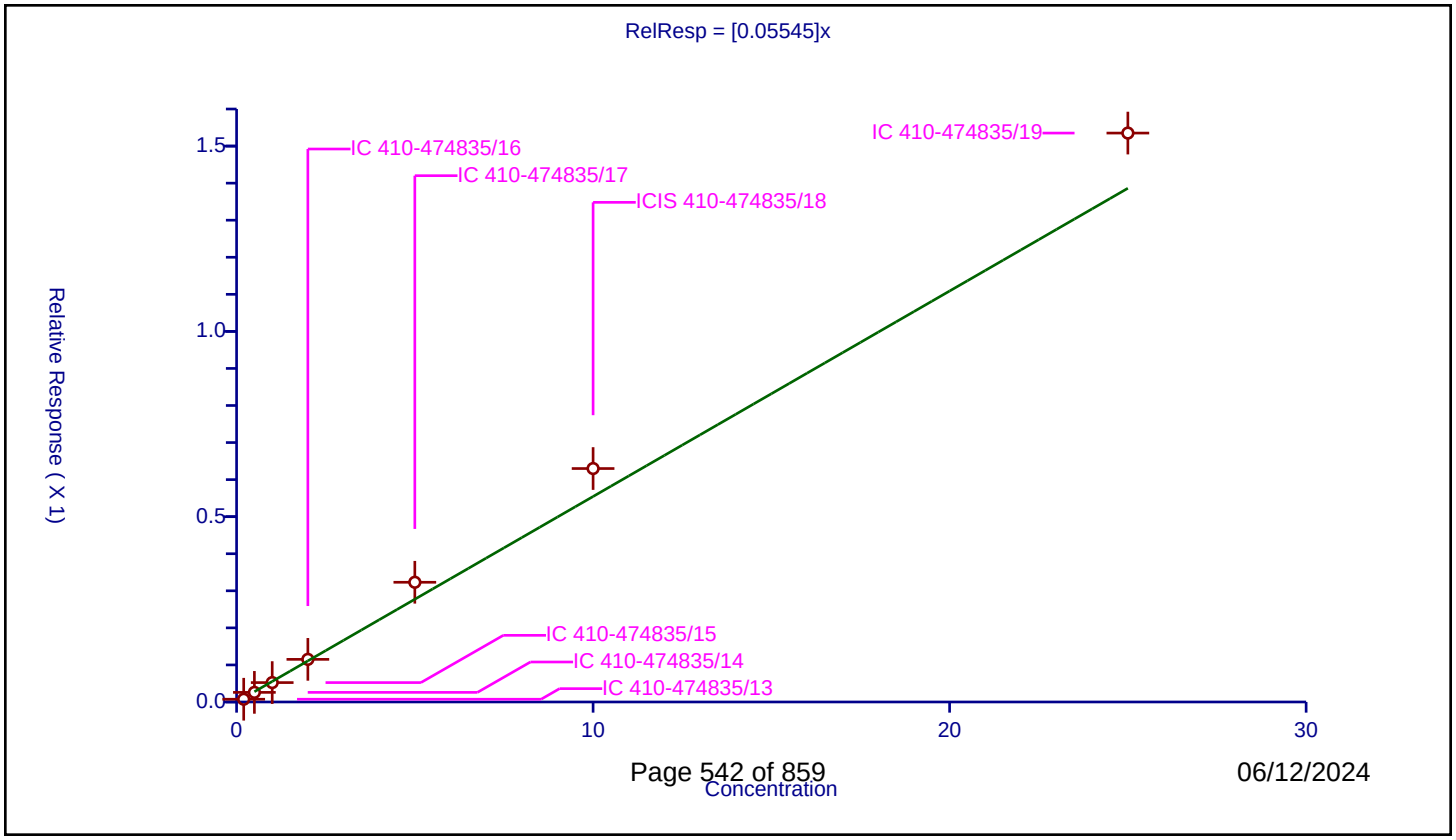
Curve Coefficients

Intercept:	0
Slope:	0.05545

Error Coefficients

Relative Standard Deviation:	17.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.007471	10.0	863287.0	0.037357	Y
2	IC 410-474835/14	0.5	0.025933	10.0	910826.0	0.051865	Y
3	IC 410-474835/15	1.0	0.052375	10.0	922956.0	0.052375	Y
4	IC 410-474835/16	2.0	0.115048	10.0	912579.0	0.057524	Y
5	IC 410-474835/17	5.0	0.323008	10.0	938026.0	0.064602	Y
6	ICIS 410-474835/18	10.0	0.629918	10.0	981254.0	0.062992	Y
7	IC 410-474835/19	25.0	1.535091	10.0	1037606.0	0.061404	Y



Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

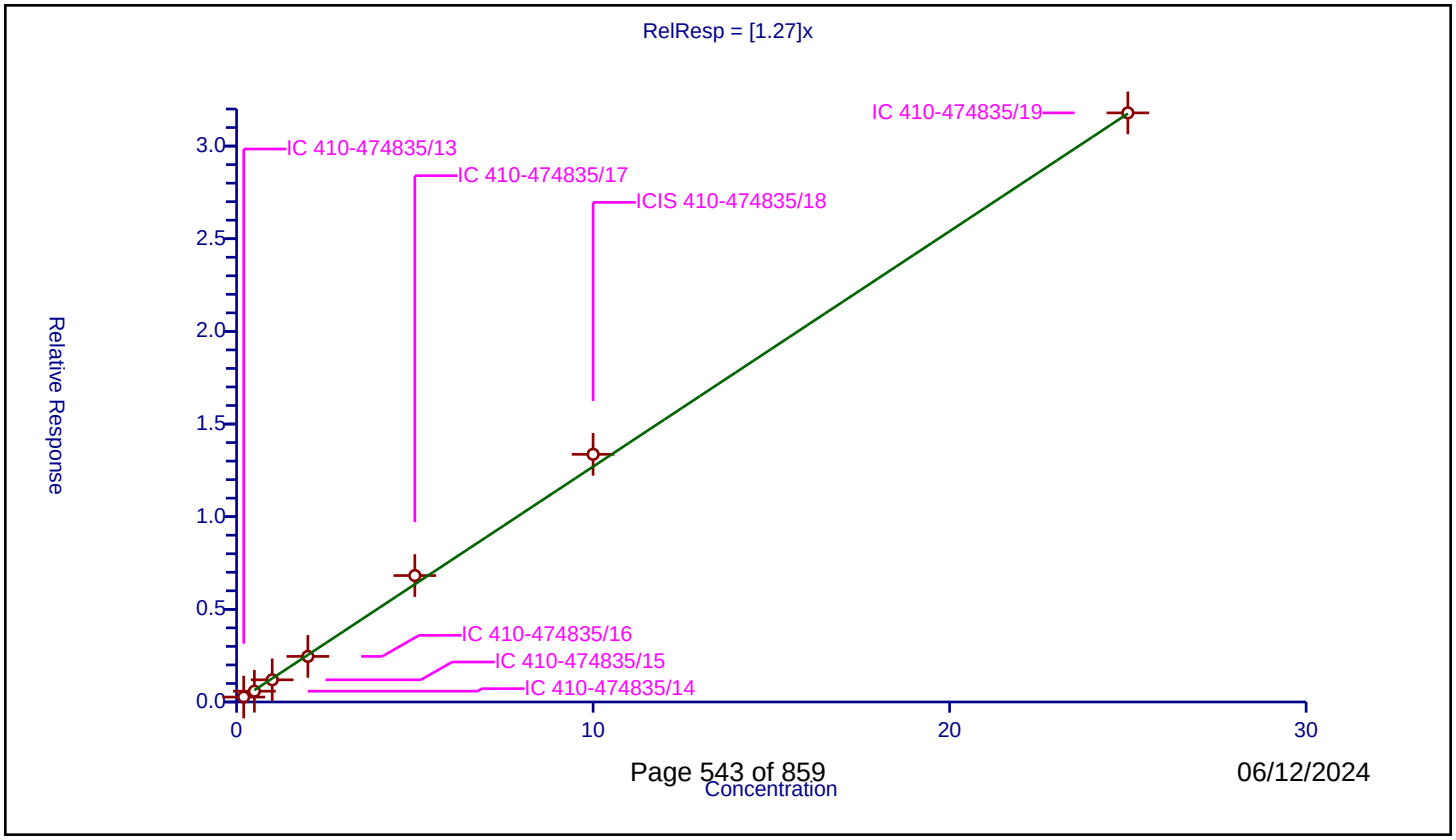
Curve Coefficients

Intercept:	0
Slope:	1.27

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.265578	10.0	863287.0	1.32789	Y
2	IC 410-474835/14	0.5	0.582274	10.0	910826.0	1.164547	Y
3	IC 410-474835/15	1.0	1.196016	10.0	922956.0	1.196016	Y
4	IC 410-474835/16	2.0	2.460138	10.0	912579.0	1.230069	Y
5	IC 410-474835/17	5.0	6.823158	10.0	938026.0	1.364632	Y
6	ICIS 410-474835/18	10.0	13.364766	10.0	981254.0	1.336477	Y
7	IC 410-474835/19	25.0	31.790969	10.0	1037606.0	1.271639	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

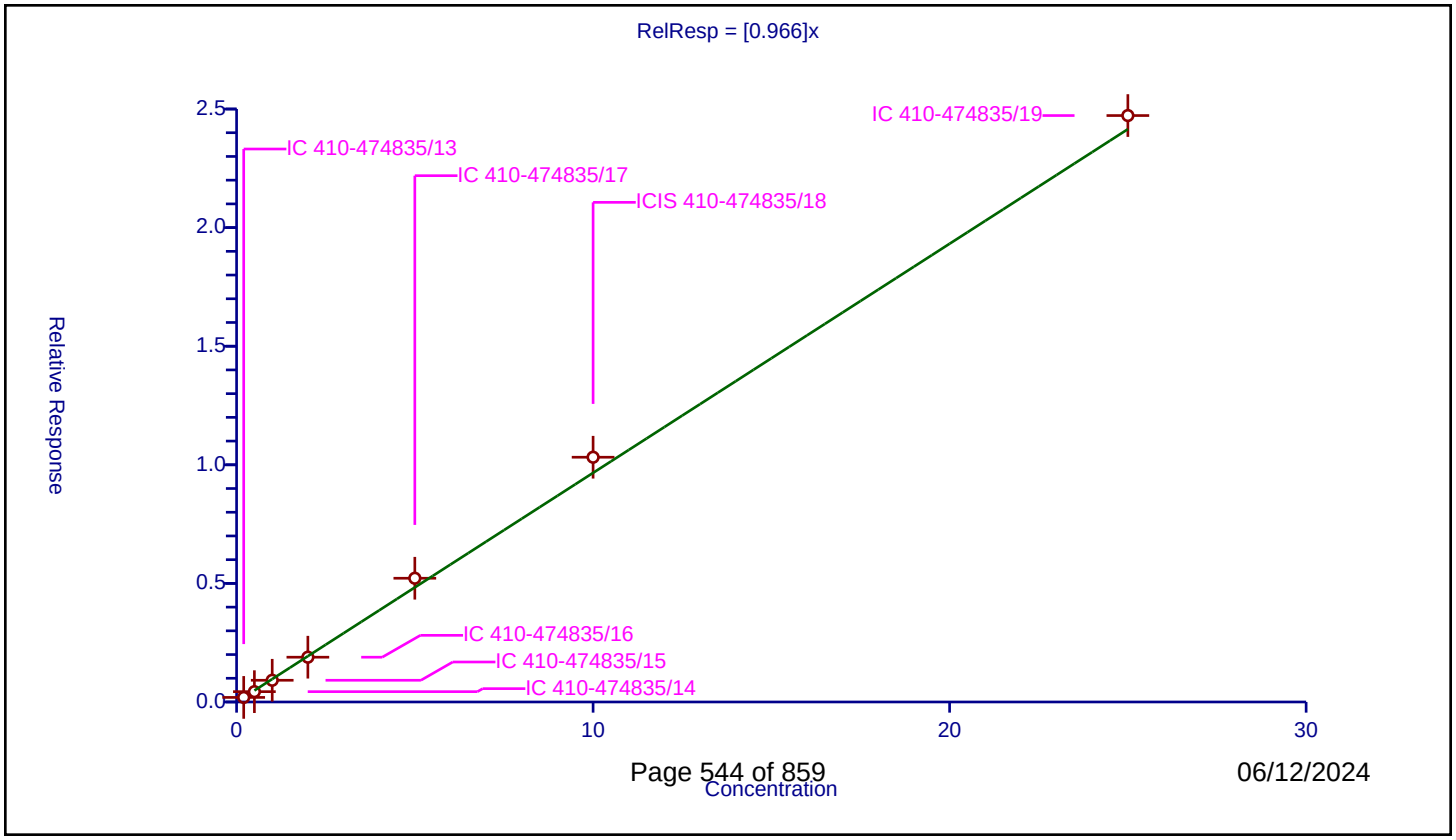
Curve Coefficients

Intercept:	0
Slope:	0.966

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.193227	10.0	863287.0	0.966133	Y
2	IC 410-474835/14	0.5	0.435627	10.0	910826.0	0.871253	Y
3	IC 410-474835/15	1.0	0.916143	10.0	922956.0	0.916143	Y
4	IC 410-474835/16	2.0	1.888012	10.0	912579.0	0.944006	Y
5	IC 410-474835/17	5.0	5.217041	10.0	938026.0	1.043408	Y
6	ICIS 410-474835/18	10.0	10.319469	10.0	981254.0	1.031947	Y
7	IC 410-474835/19	25.0	24.724896	10.0	1037606.0	0.988996	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

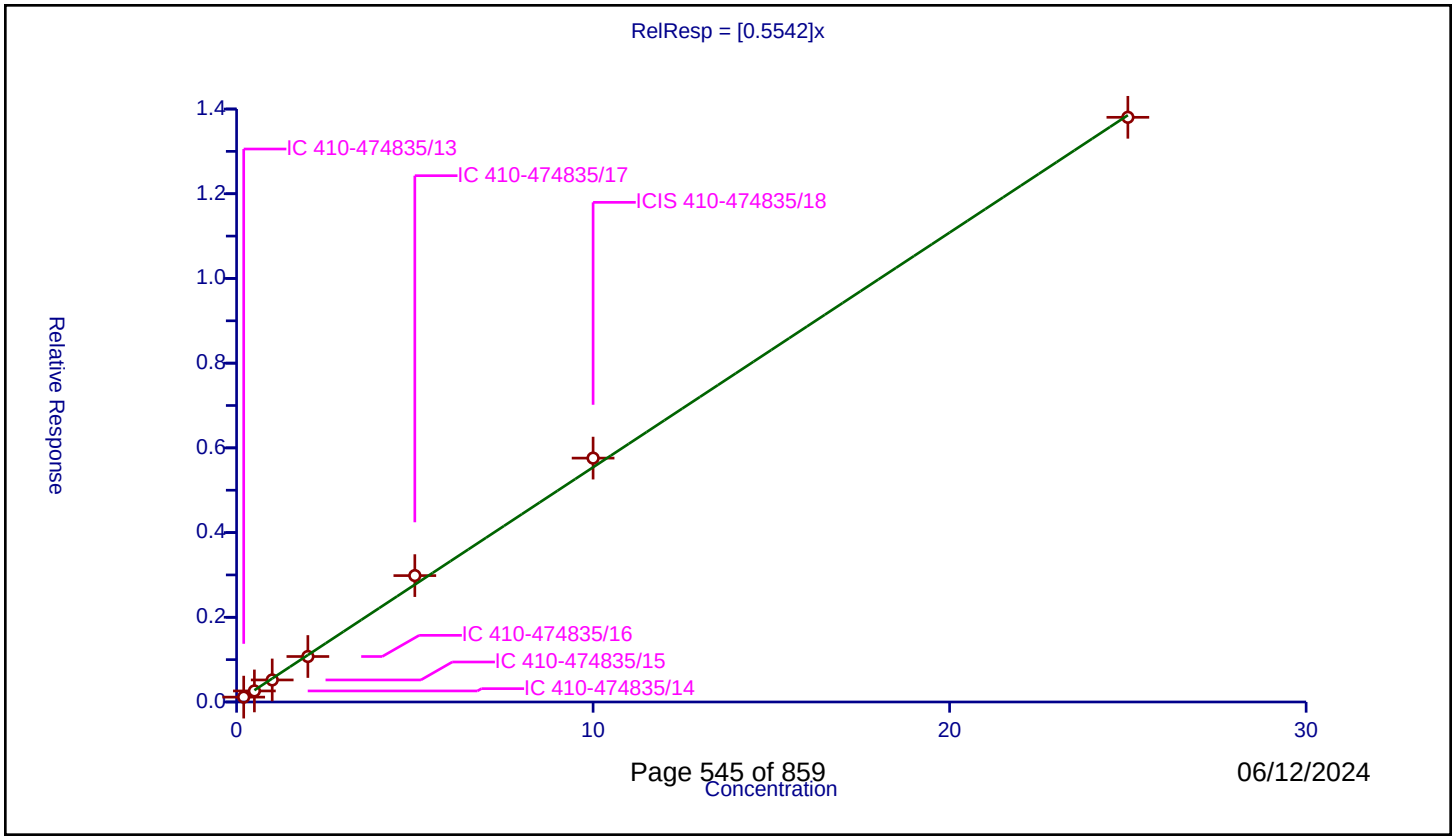
Curve Coefficients

Intercept:	0
Slope:	0.5542

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.115037	10.0	863287.0	0.575185	Y
2	IC 410-474835/14	0.5	0.260928	10.0	910826.0	0.521856	Y
3	IC 410-474835/15	1.0	0.520512	10.0	922956.0	0.520512	Y
4	IC 410-474835/16	2.0	1.073562	10.0	912579.0	0.536781	Y
5	IC 410-474835/17	5.0	2.98383	10.0	938026.0	0.596766	Y
6	ICIS 410-474835/18	10.0	5.757989	10.0	981254.0	0.575799	Y
7	IC 410-474835/19	25.0	13.80419	10.0	1037606.0	0.552168	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

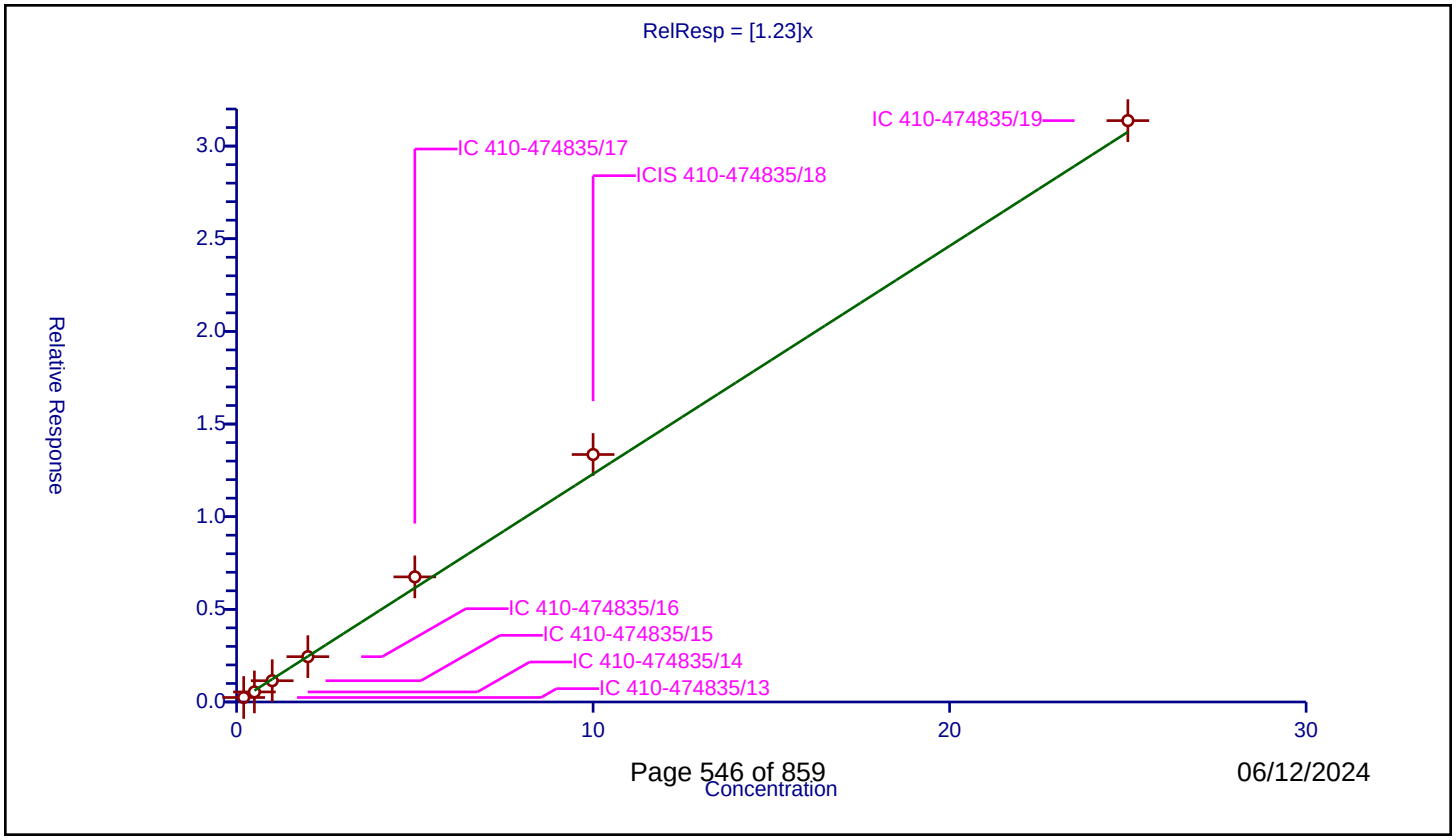
Curve Coefficients

Intercept:	0
Slope:	1.23

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.243059	10.0	863287.0	1.215297	Y
2	IC 410-474835/14	0.5	0.543693	10.0	910826.0	1.087387	Y
3	IC 410-474835/15	1.0	1.147021	10.0	922956.0	1.147021	Y
4	IC 410-474835/16	2.0	2.445903	10.0	912579.0	1.222952	Y
5	IC 410-474835/17	5.0	6.75106	10.0	938026.0	1.350212	Y
6	ICIS 410-474835/18	10.0	13.355523	10.0	981254.0	1.335552	Y
7	IC 410-474835/19	25.0	31.374173	10.0	1037606.0	1.254967	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

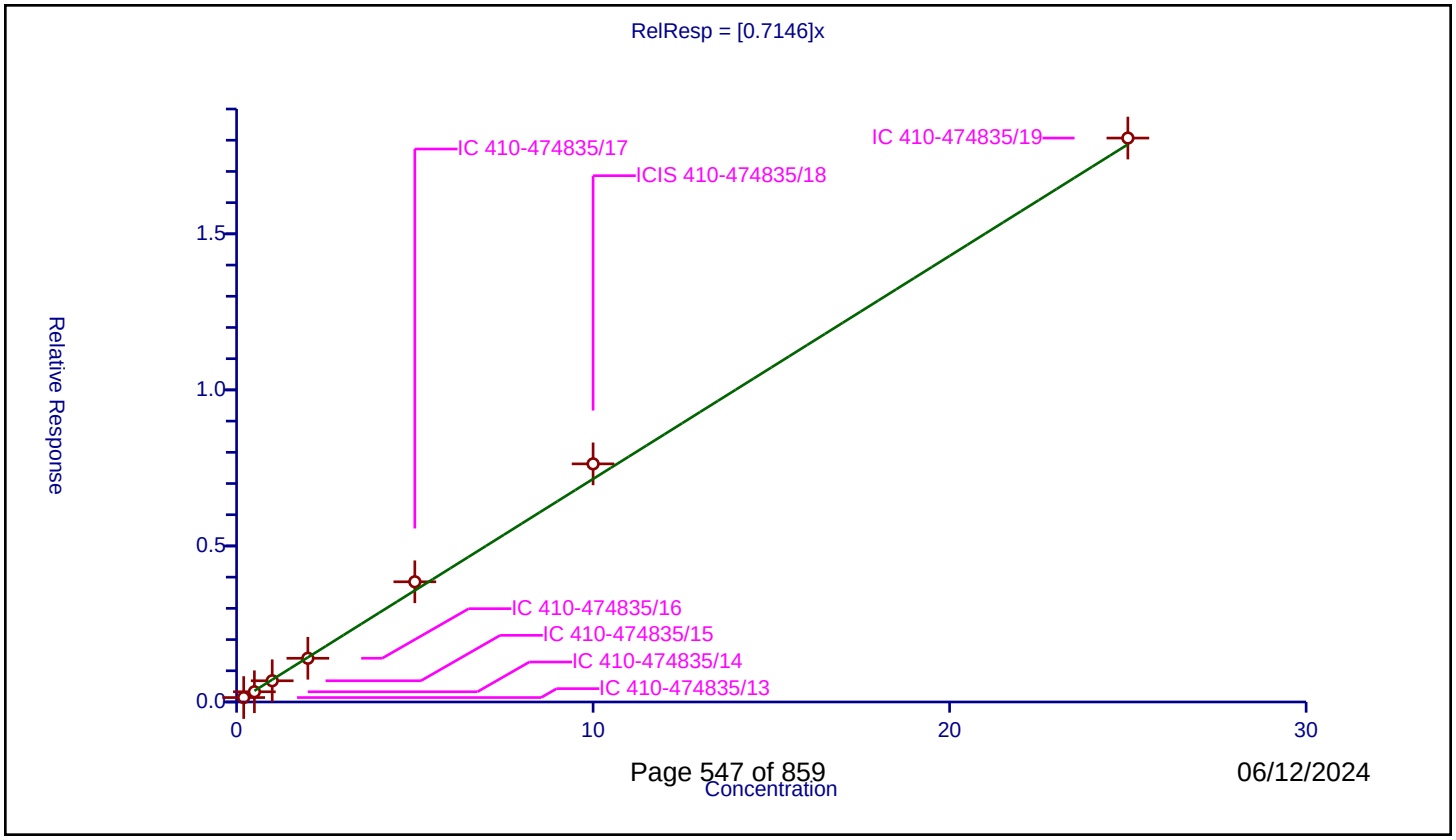
Curve Coefficients

Intercept:	0
Slope:	0.7146

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474835/13	0.2	0.142201	10.0	863287.0	0.711003	Y
2	IC 410-474835/14	0.5	0.327604	10.0	910826.0	0.655207	Y
3	IC 410-474835/15	1.0	0.679946	10.0	922956.0	0.679946	Y
4	IC 410-474835/16	2.0	1.400503	10.0	912579.0	0.700252	Y
5	IC 410-474835/17	5.0	3.851652	10.0	938026.0	0.77033	Y
6	ICIS 410-474835/18	10.0	7.630226	10.0	981254.0	0.763023	Y
7	IC 410-474835/19	25.0	18.069653	10.0	1037606.0	0.722786	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-474838/14	IF19X14.D
Level 2	IC 410-474838/15	IF19X15.D
Level 3	IC 410-474838/16	IF19X16.D
Level 4	IC 410-474838/17	IF19X17.D
Level 5	IC 410-474838/18	IF19X18.D
Level 6	ICIS 410-474838/19	IF19X19.D
Level 7	IC 410-474838/20	IF19X20.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	0.4369 0.3833	0.3919 0.3868	0.4344	0.4015	0.4046	Ave		0.4056			0.1000	5.4		20.0			
Chloromethane	0.5139 0.4240	0.4310 0.4230	0.4632	0.4391	0.4500	Ave		0.4492			0.1000	7.1		20.0			
Vinyl chloride	0.4427 0.4001	0.3947 0.3958	0.4364	0.4177	0.4203	Ave		0.4154			0.1000	4.7		20.0			
1,3-Butadiene	0.5197 0.3812	0.3972 0.3837	0.4351	0.4162	0.3970	Ave		0.4186				11.6		20.0			
Bromomethane	0.3182 0.2751	0.2882 0.2772	0.3066	0.2883	0.2912	Ave		0.2921			0.1000	5.3		20.0			
Chloroethane	0.2573 0.2237	0.2278 0.2225	0.2485	0.2313	0.2366	Ave		0.2354			0.1000	5.6		20.0			
Dichlorofluoromethane	0.7533 0.5986	0.6595 0.5980	0.6529	0.6110	0.6387	Ave		0.6446			0.1000	8.4		20.0			
Trichlorofluoromethane	0.5197 0.4441	0.4469 0.4510	0.4959	0.4722	0.4679	Ave		0.4711			0.1000	5.9		20.0			
Ethyl ether	0.2047 0.2207	0.2011 0.2181	0.2234	0.1988	0.2237	Ave		0.2129				5.1		20.0			
Freon 123a	0.4460 0.3534	0.3699 0.3520	0.3978	0.3630	0.3687	Ave		0.3787				8.8		20.0			
Acrolein	1.8479 2.0112	1.6628 1.8039	1.5796	1.4658	1.7546	Ave		1.7323				10.4		20.0			
1,1-Dichloroethene	0.2730 0.2550	0.2402 0.2537	0.2503	0.2380	0.2622	Ave		0.2532			0.1000	4.8		20.0			
Acetone	+++++ 2.4647	2.4049 2.2400	2.4356	1.8838	2.3108	Ave		2.2900			0.1000	9.4		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.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

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	0.2704 0.2692	0.2382 0.2763	0.2494	0.2508	0.2745	Ave		0.2613			0.1000	5.7		20.0			
Methyl iodide	0.5035 0.5208	0.4757 0.5142	0.5059	0.4855	0.5249	Ave		0.5044				3.6		20.0			
Ethyl bromide	0.2441 0.2352	0.2021 0.2338	0.2392	0.2060	0.2397	Ave		0.2286				7.5		20.0			
Carbon disulfide	0.9330 0.7592	0.7110 0.7611	0.7389	0.7062	0.7759	Ave		0.7693			0.1000	10.0		20.0			
Methyl acetate	+++++ 7.2463	5.6829 6.7202	6.6019	6.6193	6.4393	Ave		6.5516			0.1000	7.7		20.0			
Allyl chloride	0.5922 0.4856	0.4723 0.4807	0.4644	0.4436	0.4895	Ave		0.4897				9.7		20.0			
Methylene Chloride	0.2847 0.2851	0.2651 0.2841	0.2811	0.2688	0.2925	Ave		0.2802			0.1000	3.5		20.0			
t-Butyl alcohol	1.1818 0.9569	1.0557 0.9061	0.7620	0.7565	0.8835	Ave		0.9289				16.5		20.0			
Acrylonitrile	+++++ 3.4242	2.3443 3.0070	2.9782	2.5698	3.0010	Ave		2.8874				13.1		20.0			
Methyl tert-butyl ether	0.7504 0.7562	0.7114 0.7502	0.7585	0.7041	0.7789	Ave		0.7443			0.1000	3.6		20.0			
trans-1,2-Dichloroethene	0.3042 0.2916	0.2682 0.2900	0.2817	0.2734	0.2982	Ave		0.2868			0.1000	4.5		20.0			
n-Hexane	0.4253 0.3979	0.3620 0.4156	0.3730	0.3759	0.4087	Ave		0.3941				6.1		20.0			
1,1-Dichloroethane	0.5643 0.5566	0.5082 0.5532	0.5455	0.5275	0.5677	Ave		0.5461			0.2000	3.9		20.0			
di-Isopropyl ether	0.9678 0.9887	0.9250 0.9862	0.9692	0.9233	1.0124	Ave		0.9675				3.4		20.0			
2-Chloro-1,3-butadiene	0.4952 0.4733	0.4269 0.4714	0.4425	0.4388	0.4834	Ave		0.4616				5.5		20.0			
Ethyl t-butyl ether	0.9066 0.9031	0.8283 0.8856	0.8891	0.8400	0.9117	Ave		0.8806				3.8		20.0			
2-Butanone (MEK)	4.4461 4.5982	3.7044 3.9965	4.3639	3.3790	4.2688	Ave		4.1081			0.1000	10.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

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								
cis-1,2-Dichloroethene	0.3616 0.3322	0.3034 0.3317	0.3218	0.3047	0.3426	Ave		0.3283			0.1000	6.3		20.0			
2,2-Dichloropropane	0.5158 0.4690	0.4376 0.4677	0.4540	0.4368	0.4780	Ave		0.4656				5.8		20.0			
Propionitrile	0.9260 1.2949	0.9844 1.2079	1.2523	1.1814	1.2714	Ave		1.1598				12.6		20.0			
Methacrylonitrile	4.5166 4.6034	4.2708 3.9363	4.0972	3.5672	4.0556	Ave		4.1496				8.5		20.0			
Bromochloromethane	0.1320 0.1437	0.1261 0.1421	0.1307	0.1355	0.1436	Ave		0.1362				5.2		20.0			
Tetrahydrofuran	1.1814 1.3784	1.2225 1.2405	1.3328	1.0867	1.3130	Ave		1.2508				8.0		20.0			
Chloroform	0.6144 0.5378	0.5228 0.5349	0.5457	0.5074	0.5467	Ave		0.5442			0.2000	6.2		20.0			
1,1,1-Trichloroethane	0.5020 0.4824	0.4483 0.4837	0.4639	0.4452	0.4929	Ave		0.4741			0.1000	4.6		20.0			
Cyclohexane	0.5085 0.5199	0.4747 0.5339	0.4849	0.4822	0.5318	Ave		0.5052			0.1000	4.9		20.0			
Carbon tetrachloride	0.4205 0.4262	0.3779 0.4320	0.4020	0.3959	0.4307	Ave		0.4122			0.1000	5.0		20.0			
1,1-Dichloropropene	0.4434 0.4219	0.3931 0.4235	0.4048	0.3930	0.4292	Ave		0.4156				4.6		20.0			
Isobutyl alcohol	0.4770 0.3364	0.3478 0.3273	0.2800	0.2796	0.3202	Ave		0.3383				19.7		20.0			
Benzene	1.3074 1.2746	1.1802 1.2682	1.2208	1.1940	1.2987	Ave		1.2491			0.5000	4.1		20.0			
1,2-Dichloroethane	0.3266 0.3341	0.3083 0.3334	0.3267	0.3039	0.3407	Ave		0.3248			0.1000	4.2		20.0			
t-Amyl methyl ether	0.7974 0.8074	0.7557 0.7938	0.7988	0.7427	0.8214	Ave		0.7882				3.6		20.0			
n-Heptane	0.4627 0.4186	0.3435 0.4380	0.3737	0.3741	0.4274	Ave		0.4054				10.5		20.0			
n-Butanol	0.1751 0.3090	0.1939 0.3002	0.1948	0.2326	0.2920	Lin1	-4.085	0.3015							0.9970		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

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	0.3443 0.3345	0.3055 0.3365	0.3187	0.3070	0.3401	Ave		0.3267			0.2000	4.9		20.0			
Methylcyclohexane	0.5038 0.5286	0.4794 0.5503	0.4880	0.4881	0.5427	Ave		0.5115			0.1000	5.6		20.0			
1,2-Dichloropropane	0.3130 0.3276	0.2889 0.3291	0.3173	0.3070	0.3358	Ave		0.3169			0.1000	5.0		20.0			
Methyl methacrylate	5.7897 9.3243	6.8440 8.3595	7.6685	7.4229	8.1857	Ave		7.6564				14.8		20.0			
Dibromomethane	0.1352 0.1549	0.1381 0.1522	0.1433	0.1392	0.1530	Ave		0.1451				5.6		20.0			
1,4-Dioxane	+++++ 0.0629	+++++ 0.0622	0.0486	0.0542	0.0615	Ave		0.0579			0.0050	10.8		20.0			
Bromodichloromethane	0.3815 0.3925	0.3460 0.3957	0.3665	0.3609	0.3989	Ave		0.3774			0.2000	5.3		20.0			
2-Nitropropane	3.5346 2.7919	2.7503 2.5189	2.8532	2.0602	2.5111	Ave		2.7172				16.5		20.0			
1-Bromo-2-chloroethane	0.2916 0.3259	0.2754 0.3254	0.3255	0.2938	0.3339	Ave		0.3102				7.3		20.0			
cis-1,3-Dichloropropene	0.4560 0.5003	0.4234 0.5040	0.4589	0.4487	0.5023	Ave		0.4705			0.2000	6.8		20.0			
4-Methyl-2-pentanone (MIBK)	11.656 12.290	11.230 10.910	10.975	10.409	10.961	Ave		11.205			0.1000	5.4		20.0			
Toluene	1.0879 1.0902	1.0065 1.0808	1.0442	1.0190	1.1186	Ave		1.0639			0.4000	3.9		20.0			
trans-1,3-Dichloropropene	0.4755 0.5352	0.4618 0.5413	0.4958	0.4909	0.5423	Ave		0.5061			0.1000	6.6		20.0			
Ethyl methacrylate	0.3826 0.4690	0.4136 0.4691	0.4468	0.4337	0.4761	Ave		0.4416				7.8		20.0			
1,1,2-Trichloroethane	0.3007 0.2915	0.2899 0.2898	0.2956	0.2876	0.2968	Ave		0.2931			0.1000	1.6		20.0			
Tetrachloroethene	0.5466 0.5178	0.4882 0.5190	0.4952	0.4836	0.5293	Ave		0.5114			0.2000	4.5		20.0			
1,3-Dichloropropane	0.5032 0.5060	0.4642 0.5012	0.4936	0.4740	0.5201	Ave		0.4946				3.9		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.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

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-Hexanone	9.7105 8.5625	7.7233 7.6008	7.5568	7.2844	7.5956	Ave		8.0048			0.1000	10.6		20.0			
Dibromochloromethane	0.3602 0.3832	0.3337 0.3844	0.3607	0.3514	0.3832	Ave		0.3652				5.3		20.0			
1,2-Dibromoethane (EDB)	0.2610 0.2849	0.2537 0.2838	0.2750	0.2624	0.2901	Ave		0.2730			0.1000	5.1		20.0			
1-Chlorohexane	0.6987 0.5830	0.5943 0.5905	0.5848	0.5525	0.5953	Ave		0.5999				7.7		20.0			
Chlorobenzene	1.2317 1.1896	1.0906 1.1830	1.1438	1.1220	1.2069	Ave		1.1668			0.5000	4.3		20.0			
1,1,1,2-Tetrachloroethane	0.4257 0.4327	0.4006 0.4328	0.4137	0.4044	0.4386	Ave		0.4212				3.6		20.0			
Ethylbenzene	2.2252 2.1223	1.9701 2.1188	2.0484	1.9796	2.1649	Ave		2.0899			0.1000	4.5		20.0			
m&p-Xylene	0.8309 0.8400	0.7610 0.8403	0.8103	0.7868	0.8540	Ave		0.8176			0.1000	4.1		20.0			
o-Xylene	0.8354 0.8316	0.7575 0.8375	0.8013	0.7840	0.8499	Ave		0.8139			0.3000	4.2		20.0			
Styrene	1.3043 1.3398	1.1684 1.3505	1.2639	1.2343	1.3532	Ave		1.2878			0.3000	5.4		20.0			
Bromoform	0.2384 0.2466	0.2150 0.2542	0.2299	0.2245	0.2452	Ave		0.2363			0.1000	5.8		20.0			
Isopropylbenzene	2.1074 2.0320	1.8581 2.0337	1.9874	1.9085	2.0813	Ave		2.0012			0.1000	4.5		20.0			
1,1,2,2-Tetrachloroethane	0.6118 0.6740	0.6098 0.6721	0.6800	0.6447	0.6733	Ave		0.6522			0.3000	4.7		20.0			
Bromobenzene	0.8687 0.9019	0.7971 0.8945	0.8729	0.8539	0.9087	Ave		0.8711				4.4		20.0			
trans-1,4-Dichloro-2-butene	4.2776 4.4684	4.0753 3.9774	3.9114	3.6950	3.8677	Ave		4.0390				6.5		20.0			
1,2,3-Trichloropropane	0.1627 0.1812	0.1677 0.1792	0.1764	0.1706	0.1807	Ave		0.1741				4.1		20.0			
N-Propylbenzene	4.3640 4.3789	3.9424 4.2938	4.2130	4.0560	4.3859	Ave		4.2334				4.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

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-Chlorotoluene	0.8774 0.8890	0.7651 0.8846	0.8449	0.8319	0.8843	Ave		0.8539				5.3		20.0			
1,3,5-Trimethylbenzene	3.1753 3.2113	2.9298 3.1731	3.0629	2.9582	3.2198	Ave		3.1043				3.9		20.0			
4-Chlorotoluene	0.8812 0.8924	0.8041 0.8933	0.8502	0.8333	0.9000	Ave		0.8649				4.2		20.0			
tert-Butylbenzene	0.6903 0.6934	0.6357 0.6980	0.6648	0.6439	0.7052	Ave		0.6759				4.1		20.0			
Pentachloroethane	0.4997 0.5900	0.4552 0.5973	0.5735	0.5051	0.5866	Ave		0.5439				10.3		20.0			
1,2,4-Trimethylbenzene	3.0949 3.2307	2.7845 3.2301	3.0568	2.9886	3.2602	Ave		3.0923				5.5		20.0			
sec-Butylbenzene	4.0496 4.1219	3.6264 4.0773	3.8835	3.7647	4.1627	Ave		3.9552				5.1		20.0			
1,3-Dichlorobenzene	1.7373 1.7735	1.5652 1.7778	1.6685	1.6354	1.7668	Ave		1.7035			0.6000	4.8		20.0			
p-Isopropyltoluene	3.4730 3.5823	3.0972 3.5647	3.3691	3.2800	3.6587	Ave		3.4321				5.7		20.0			
1,4-Dichlorobenzene	1.8044 1.7851	1.6306 1.7787	1.7397	1.6829	1.7876	Ave		1.7441			0.5000	3.7		20.0			
1,2,3-Trimethylbenzene	1.4763 1.4324	1.3059 1.4412	1.3956	1.3385	1.4453	Ave		1.4050				4.4		20.0			
Benzyl chloride	0.2321 0.2863	0.2286 0.2920	0.2587	0.2650	0.2857	Ave		0.2641				9.8		20.0			
n-Butylbenzene	1.5957 1.7271	1.4863 1.7587	1.6005	1.5301	1.7356	Ave		1.6334				6.6		20.0			
1,2-Dichlorobenzene	1.6220 1.6265	1.4662 1.6331	1.5956	1.5447	1.6460	Ave		1.5906			0.4000	4.0		20.0			
1,2-Dibromo-3-Chloropropane	0.0763 0.1115	0.0913 0.1149	0.1092	0.1050	0.1161	Ave		0.1035			0.0500	14.1		20.0			
1,3,5-Trichlorobenzene	1.1913 1.3215	1.1265 1.3380	1.2108	1.1980	1.3493	Ave		1.2479				7.0		20.0			
1,2,4-Trichlorobenzene	0.9552 1.1264	0.8954 1.1495	0.9989	1.0091	1.1356	Ave		1.0386			0.2000	9.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

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								
Hexachlorobutadiene	0.4964 0.5064	0.4317 0.5198	0.4653	0.4606	0.5083	Ave		0.4841				6.6		20.0			
Naphthalene	1.8345 2.0327	1.7283 2.0925	2.0189	1.9356	2.0981	Ave		1.9630				7.1		20.0			
1,2,3-Trichlorobenzene	0.8096 0.9185	0.7489 0.9383	0.8675	0.8334	0.9516	Ave		0.8668				8.6		20.0			
Dibromofluoromethane (Surr)	0.2425 0.2379	0.2409 0.2410	0.2406	0.2400	0.2415	Ave		0.2406				0.6		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0492 0.0494	0.0497 0.0490	0.0494	0.0498	0.0511	Ave		0.0497				1.4		20.0			
Toluene-d8 (Surr)	1.3245 1.3009	1.3127 1.3072	1.3183	1.3184	1.3178	Ave		1.3143				0.6		20.0			
4-Bromofluorobenzene (Surr)	0.4930 0.4820	0.4815 0.4821	0.4816	0.4868	0.4885	Ave		0.4851				0.9		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-174025-1 | Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 | Calibration End Date: 02/20/2024 06:14 | Calibration ID: 59068

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-474838/14	IF19X14.D
Level 2	IC 410-474838/15	IF19X15.D
Level 3	IC 410-474838/16	IF19X16.D
Level 4	IC 410-474838/17	IF19X17.D
Level 5	IC 410-474838/18	IF19X18.D
Level 6	ICIS 410-474838/19	IF19X19.D
Level 7	IC 410-474838/20	IF19X20.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	13639 601112	30662 1519165	65382	125793	316317	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	16040 664972	33719 1661183	69714	137572	351801	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	13818 627468	30883 1554313	65677	130863	328585	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	16221 597903	31074 1506833	65489	130386	310309	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	9932 431376	22547 1088784	46143	90324	227658	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	8033 350887	17820 873690	37403	72458	184959	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	23515 938837	51600 2348602	98266	191424	499273	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	16222 696534	34963 1771135	74637	147931	365742	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	6389 346206	15733 856636	33621	62286	174864	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Freon 123a	FB	Ave	13921 554257	28942 1382582	59861	113747	288250	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd10	Ave	46535 2737468	107545 6980896	227009	448661	1379305	10.00 500	25.0 1250	50.0	100.0	250
1,1-Dichloroethene	FB	Ave	8521 399954	18790 996307	37672	74562	204951	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd10	Ave	+++++ 670964	31108 1733763	70006	115328	363321	+++++ 100	5.00 250	10.0	20.0	50.0
Freon 113	FB	Ave	8440 422212	18634 1085180	37538	78591	214583	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

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	15718 816831	37218 2019366	76130	152102	410366	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl bromide	FB	Ave	7622 369016	15815 918448	36008	64547	187395	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon disulfide	FB	Ave	29123 1190686	55628 2989217	111205	221264	606520	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd10	Ave	+++++ 197266	7351 520143	18976	40523	101243	+++++ 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	18484 761499	36953 1887929	69890	138985	382646	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	8888 447110	20739 1115863	42300	84215	228648	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd10	Ave	11904 520997	27311 1402594	43804	92623	277811	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd10	Ave	+++++ 233043	7581 581855	21401	39330	117961	+++++ 25.0	1.25 62.5	2.50	5.00	12.5
Methyl tert-butyl ether	FB	Ave	23424 1186009	55661 2946220	114148	220598	608919	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,2-Dichloroethene	FB	Ave	9497 457249	20980 1139068	42390	85664	233101	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	13276 623973	28319 1632046	56143	117782	319494	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	17614 872985	39762 2172405	82091	165270	443806	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	30210 1550616	72370 3872983	145870	289275	791448	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	15457 742199	33401 1851422	66596	137481	377880	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	28298 1416283	64807 3477939	133813	263185	712727	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone (MEK)	TBAd10	Ave	22393 1251760	47918 3093298	125432	206859	671178	2.00 100	5.00 250	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	11287 521012	23735 1302844	48426	95479	267785	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	16101 735545	34240 1836731	68324	136867	373694	0.200 10.0	0.500 25.0	1.00	2.00	5.00

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propionitrile	TBAd10	Ave	9328 704996	25468 1869834	71990	144651	399800	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd10	Ave	22748 1253174	55245 3046713	117768	218381	637654	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	4119 225360	9865 558024	19672	42456	112268	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd10	Ave	2975 187619	7907 480077	19154	33263	103220	1.00 50.0	2.50 125	5.00	10.0	25.0
Chloroform	FB	Ave	19179 843362	40903 2100545	82132	158975	427376	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	15671 756607	35071 1899805	69821	139479	385306	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	15873 815355	37142 2096888	72984	151085	415743	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	13125 668470	29565 1696608	60493	124045	336673	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	13840 661709	30757 1663368	60917	123130	335484	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	TBAd10	Ave	12012 457866	22496 1266677	40243	85588	251750	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	40811 1998886	92338 4980818	183731	374094	1015255	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	10196 523948	24117 1309394	49167	95213	266362	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	24890 1266289	59123 3117419	120211	232702	642143	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	14442 656537	26872 1720210	56244	117218	334149	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butanol	TBAd10	Lin1	7718 735996	21942 2033151	48984	124582	401775	17.5 875	43.8 2188	87.5	175	438
Trichloroethene	FB	Ave	10748 524622	23900 1321701	47963	96181	265871	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	15725 828929	37504 2161145	73444	152942	424229	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	9770 513841	22600 1292315	47746	96194	262469	0.200 10.0	0.500 25.0	1.00	2.00	5.00

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

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 methacrylate	TBAd10	Ave	2916 253836	8853 647019	22042	45443	128702	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromomethane	FB	Ave	4219 242978	10802 597687	21573	43623	119643	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dioxane	TBAd10	Ave	+++++ 85568	+++++ 240742	6978	16580	48332	+++++ 500	+++++ 1250	50.0	100	250
Bromodichloromethane	FB	Ave	11907 615537	27072 1554119	55153	113070	311858	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBAd10	Ave	8901 380020	17788 974807	41005	63062	197406	1.00 50.0	2.50 125	5.00	10.0	25.0
1-Bromo-2-chloroethane	FB	Ave	9102 511081	21548 1278034	48991	92056	261046	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,3-Dichloropropene	FB	Ave	14235 784628	33123 1979434	69058	140568	392641	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone (MIBK)	TBAd10	Ave	58708 3345613	145267 8444583	315451	637229	1723407	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd5	Ave	25379 1311640	59075 3271820	117677	241040	666972	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	11093 643979	27107 1638591	55871	116128	323363	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	8925 564329	24274 1420018	50354	102588	283901	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	7014 350715	17017 877246	33313	68041	176938	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrachloroethene	CBZd5	Ave	12752 622963	28652 1571207	55804	114397	315572	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichloropropane	CBZd5	Ave	11739 608767	27244 1517391	55631	112117	310078	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Hexanone	TBAd10	Ave	48907 2330981	99904 5883012	217208	445945	1194232	2.00 100	5.00 250	10.0	20.0	50.0
Dibromochloromethane	CBZd5	Ave	8404 461023	19583 1163647	40647	83116	228493	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromoethane (EDB)	CBZd5	Ave	6090 342750	14893 859032	30990	62075	172950	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1-Chlorohexane	CBZd5	Ave	16301 701477	34883 1787741	65906	130693	354938	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

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
Chlorobenzene	CBZd5	Ave	28734 1431254	64012 3581351	128906	265406	719617	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	9932 520590	23513 1310120	46618	95666	261504	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd5	Ave	51911 2553525	115629 6414234	230847	468269	1290807	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd5	Ave	38770 2021243	89324 5087535	182641	372249	1018436	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd5	Ave	19488 1000531	44462 2535435	90299	185448	506763	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Styrene	CBZd5	Ave	30428 1611958	68578 4088336	142434	291968	806837	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromoform	CBZd5	Ave	5562 296706	12621 769541	25905	53094	146211	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isopropylbenzene	CBZd5	Ave	49164 2444863	109059 6156446	223978	451445	1240938	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd4	Ave	8232 465839	20749 1182561	44033	87205	233343	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromobenzene	DCBd4	Ave	11688 623335	27123 1573767	56530	115505	314919	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	TBAd10	Ave	21544 1216436	52716 3078494	112428	226204	608107	2.00 100	5.00 250	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	2189 125208	5707 315237	11426	23078	62610	0.200 10.0	0.500 25.0	1.00	2.00	5.00
N-Propylbenzene	DCBd4	Ave	58718 3026396	134150 7554726	272829	548631	1519992	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chlorotoluene	DCBd4	Ave	11806 614397	26035 1556335	54712	112527	306454	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd4	Ave	42724 2219399	99695 5582909	198349	400133	1115867	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Chlorotoluene	DCBd4	Ave	11857 616748	27363 1571763	55060	112711	311894	0.200 10.0	0.500 25.0	1.00	2.00	5.00
tert-Butylbenzene	DCBd4	Ave	9288 479225	21630 1228114	43049	87096	244393	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Pentachloroethane	DCBd4	Ave	6723 407781	15489 1050907	37139	68321	203279	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd4	Ave	41642 2232843	94751 5683163	197954	404250	1129875	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd4	Ave	54488	123399	251493	509222	1442639	0.200	0.500	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

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
			2848771	7173750				10.0	25.0			
1,3-Dichlorobenzene	DCBd4	Ave	23376 1225717	53261 3128005	108053	221215	612330	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd4	Ave	46730 2475832	105392 6271782	218178	443667	1267991	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd4	Ave	24278 1233709	55487 3129540	112660	227628	619520	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd4	Ave	19864 990000	44437 2535740	90381	181050	500890	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd4	Ave	3123 197875	7780 513837	16756	35841	98998	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd4	Ave	21471 1193654	50574 3094229	103649	206965	601510	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd4	Ave	21824 1124130	49892 2873310	103329	208935	570443	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1027 77081	3108 202236	7073	14196	40232	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd4	Ave	16029 913344	38333 2354060	78408	162040	467638	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trichlorobenzene	DCBd4	Ave	12852 778475	30468 2022495	64691	136494	393552	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Hexachlorobutadiene	DCBd4	Ave	6679 349965	14689 914586	30134	62304	176143	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Naphthalene	DCBd4	Ave	24684 1404855	58810 3681672	130740	261822	727136	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trichlorobenzene	DCBd4	Ave	10893 634833	25482 1650913	56181	112724	329798	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromofluoromethane (Surr)	FB	Ave	378425 373122	376940 378557	362105	375914	377572	10.0 10.0	10.0 10.0	10.0	10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	76822 77522	77784 77002	74274	77970	79940	10.0 10.0	10.0 10.0	10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	1544924 1565206	1540897 1582931	1485724	1559338	1571442	10.0 10.0	10.0 10.0	10.0	10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	575087 579944	565213 583819	542772	575739	582525	10.0 10.0	10.0 10.0	10.0	10.0	10.0

Curve Type Legend:
Ave = Average ISTD
Lin1 = Linear 1/conc 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.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-474838/14	IF19X14.D
Level 2	IC 410-474838/15	IF19X15.D
Level 3	IC 410-474838/16	IF19X16.D
Level 4	IC 410-474838/17	IF19X17.D
Level 5	IC 410-474838/18	IF19X18.D
Level 6	ICIS 410-474838/19	IF19X19.D
Level 7	IC 410-474838/20	IF19X20.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	7.7 -4.6	-3.4	7.1	-1.0	-0.2	-5.5	50 30	30	30	30	30	30
Chloromethane	14.4 -5.8	-4.0	3.1	-2.2	0.2	-5.6	50 30	30	30	30	30	30
Vinyl chloride	6.6 -4.7	-5.0	5.1	0.6	1.2	-3.7	50 30	30	30	30	30	30
1,3-Butadiene	24.1 -8.3	-5.1	4.0	-0.6	-5.2	-8.9	50 30	30	30	30	30	30
Bromomethane	8.9 -5.1	-1.3	5.0	-1.3	-0.3	-5.8	50 30	30	30	30	30	30
Chloroethane	9.3 -5.5	-3.2	5.6	-1.8	0.5	-4.9	50 30	30	30	30	30	30
Dichlorofluoromethane	16.9 -7.2	2.3	1.3	-5.2	-0.9	-7.1	50 30	30	30	30	30	30
Trichlorofluoromethane	10.3 -4.3	-5.1	5.3	0.2	-0.7	-5.7	50 30	30	30	30	30	30
Ethyl ether	-3.9 2.4	-5.6	4.9	-6.6	5.1	3.7	50 30	30	30	30	30	30
Freon 123a	17.8 -7.0	-2.3	5.0	-4.1	-2.6	-6.7	50 30	30	30	30	30	30
Acrolein	6.7 4.1	-4.0	-8.8	-15.4	1.3	16.1	50 30	30	30	30	30	30
1,1-Dichloroethene	7.8 0.2	-5.1	-1.1	-6.0	3.5	0.7	50 30	30	30	30	30	30
Acetone	+++++ -2.2	5.0	6.4	-17.7	0.9	7.6	30	50	30	30	30	30
Freon 113	3.5 5.8	-8.8	-4.5	-4.0	5.1	3.0	50 30	30	30	30	30	30
Methyl iodide	-0.2 1.9	-5.7	0.3	-3.7	4.1	3.3	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.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

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
Ethyl bromide	6.8 2.3	-11.6	4.6	-9.9	4.8	2.9	50 30	30	30	30	30	30
Carbon disulfide	21.3 -1.1	-7.6	-4.0	-8.2	0.8	-1.3	50 30	30	30	30	30	30
Methyl acetate	+++++ 2.6	-13.3	0.8	1.0	-1.7	10.6	 30	50	30	30	30	30
Allyl chloride	20.9 -1.8	-3.6	-5.2	-9.4	-0.1	-0.9	50 30	30	30	30	30	30
Methylene Chloride	1.6 1.4	-5.4	0.3	-4.1	4.4	1.7	50 30	30	30	30	30	30
t-Butyl alcohol	27.2 -2.5	13.6	-18.0	-18.6	-4.9	3.0	50 30	30	30	30	30	30
Acrylonitrile	+++++ 4.1	-18.8	3.1	-11.0	3.9	18.6	 30	50	30	30	30	30
Methyl tert-butyl ether	0.8 0.8	-4.4	1.9	-5.4	4.7	1.6	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	6.1 1.1	-6.5	-1.8	-4.7	4.0	1.7	50 30	30	30	30	30	30
n-Hexane	7.9 5.5	-8.1	-5.3	-4.6	3.7	1.0	50 30	30	30	30	30	30
1,1-Dichloroethane	3.3 1.3	-6.9	-0.1	-3.4	4.0	1.9	50 30	30	30	30	30	30
di-Isopropyl ether	0.0 1.9	-4.4	0.2	-4.6	4.6	2.2	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	7.3 2.1	-7.5	-4.1	-4.9	4.7	2.5	50 30	30	30	30	30	30
Ethyl t-butyl ether	2.9 0.6	-5.9	1.0	-4.6	3.5	2.5	50 30	30	30	30	30	30
2-Butanone (MEK)	8.2 -2.7	-9.8	6.2	-17.7	3.9	11.9	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	10.1 1.1	-7.6	-2.0	-7.2	4.3	1.2	50 30	30	30	30	30	30
2,2-Dichloropropane	10.8 0.5	-6.0	-2.5	-6.2	2.7	0.7	50 30	30	30	30	30	30
Propionitrile	-20.2 4.2	-15.1	8.0	1.9	9.6	11.6	50 30	30	30	30	30	30
Methacrylonitrile	8.8 -5.1	2.9	-1.3	-14.0	-2.3	10.9	50 30	30	30	30	30	30
Bromochloromethane	-3.1 4.3	-7.4	-4.1	-0.5	5.4	5.5	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

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	-5.5 -0.8	-2.3	6.6	-13.1	5.0	10.2	50 30	30	30	30	30	30
Chloroform	12.9 -1.7	-3.9	0.3	-6.8	0.5	-1.2	50 30	30	30	30	30	30
1,1,1-Trichloroethane	5.9 2.0	-5.4	-2.1	-6.1	4.0	1.8	50 30	30	30	30	30	30
Cyclohexane	0.7 5.7	-6.0	-4.0	-4.5	5.3	2.9	50 30	30	30	30	30	30
Carbon tetrachloride	2.0 4.8	-8.3	-2.5	-3.9	4.5	3.4	50 30	30	30	30	30	30
1,1-Dichloropropene	6.7 1.9	-5.4	-2.6	-5.4	3.3	1.5	50 30	30	30	30	30	30
Isobutyl alcohol	41.0 -3.3	2.8	-17.2	-17.4	-5.3	-0.6	50 30	30	30	30	30	30
Benzene	4.7 1.5	-5.5	-2.3	-4.4	4.0	2.0	50 30	30	30	30	30	30
1,2-Dichloroethane	0.6 2.6	-5.1	0.6	-6.4	4.9	2.9	50 30	30	30	30	30	30
t-Amyl methyl ether	1.2 0.7	-4.1	1.3	-5.8	4.2	2.4	50 30	30	30	30	30	30
n-Heptane	14.1 8.0	-15.3	-7.8	-7.7	5.4	3.3	50 30	30	30	30	30	30
n-Butanol	35.5 0.2	-4.7	-19.9	-15.1	0.0	4.0	50 30	30	30	30	30	30
Trichloroethene	5.4 3.0	-6.5	-2.4	-6.0	4.1	2.4	50 30	30	30	30	30	30
Methylcyclohexane	-1.5 7.6	-6.3	-4.6	-4.6	6.1	3.3	50 30	30	30	30	30	30
1,2-Dichloropropane	-1.2 3.8	-8.9	0.1	-3.1	5.9	3.4	50 30	30	30	30	30	30
Methyl methacrylate	-24.4 9.2	-10.6	0.2	-3.0	6.9	21.8	50 30	30	30	30	30	30
Dibromomethane	-6.9 4.9	-4.9	-1.2	-4.1	5.4	6.7	50 30	30	30	30	30	30
1,4-Dioxane	+++++ 7.5	+++++	-16.1	-6.4	6.3	8.7	30		50	30	30	30
Bromodichloromethane	1.1 4.8	-8.3	-2.9	-4.4	5.7	4.0	50 30	30	30	30	30	30
2-Nitropropane	30.1 -7.3	1.2	5.0	-24.2	-7.6	2.8	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.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1-Bromo-2-chloroethane	-6.0 4.9	-11.2	4.9	-5.3	7.6	5.0	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-3.1 7.1	-10.0	-2.5	-4.6	6.8	6.3	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	4.0 -2.6	0.2	-2.1	-7.1	-2.2	9.7	50 30	30	30	30	30	30
Toluene	2.3 1.6	-5.4	-1.9	-4.2	5.1	2.5	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-6.1 6.9	-8.7	-2.0	-3.0	7.2	5.8	50 30	30	30	30	30	30
Ethyl methacrylate	-13.4 6.2	-6.3	1.2	-1.8	7.8	6.2	50 30	30	30	30	30	30
1,1,2-Trichloroethane	2.6 -1.1	-1.1	0.8	-1.9	1.2	-0.6	50 30	30	30	30	30	30
Tetrachloroethene	6.9 1.5	-4.5	-3.2	-5.4	3.5	1.3	50 30	30	30	30	30	30
1,3-Dichloropropane	1.7 1.3	-6.2	-0.2	-4.2	5.1	2.3	50 30	30	30	30	30	30
2-Hexanone	21.3 -5.0	-3.5	-5.6	-9.0	-5.1	7.0	50 30	30	30	30	30	30
Dibromochloromethane	-1.4 5.2	-8.6	-1.3	-3.8	4.9	4.9	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-4.4 3.9	-7.0	0.7	-3.9	6.3	4.4	50 30	30	30	30	30	30
1-Chlorohexane	16.5 -1.6	-0.9	-2.5	-7.9	-0.8	-2.8	50 30	30	30	30	30	30
Chlorobenzene	5.6 1.4	-6.5	-2.0	-3.8	3.4	2.0	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	1.1 2.7	-4.9	-1.8	-4.0	4.1	2.7	50 30	30	30	30	30	30
Ethylbenzene	6.5 1.4	-5.7	-2.0	-5.3	3.6	1.6	50 30	30	30	30	30	30
m&p-Xylene	1.6 2.8	-6.9	-0.9	-3.8	4.5	2.7	50 30	30	30	30	30	30
o-Xylene	2.6 2.9	-6.9	-1.6	-3.7	4.4	2.2	50 30	30	30	30	30	30
Styrene	1.3 4.9	-9.3	-1.9	-4.2	5.1	4.0	50 30	30	30	30	30	30
Bromoform	0.9 7.6	-9.0	-2.7	-5.0	3.8	4.4	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

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
Isopropylbenzene	5.3 1.6	-7.1	-0.7	-4.6	4.0	1.5	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-6.2 3.0	-6.5	4.2	-1.2	3.2	3.3	50 30	30	30	30	30	30
Bromobenzene	-0.3 2.7	-8.5	0.2	-2.0	4.3	3.5	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	5.9 -1.5	0.9	-3.2	-8.5	-4.2	10.6	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-6.5 2.9	-3.6	1.4	-2.0	3.8	4.1	50 30	30	30	30	30	30
N-Propylbenzene	3.1 1.4	-6.9	-0.5	-4.2	3.6	3.4	50 30	30	30	30	30	30
2-Chlorotoluene	2.8 3.6	-10.4	-1.1	-2.6	3.6	4.1	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	2.3 2.2	-5.6	-1.3	-4.7	3.7	3.4	50 30	30	30	30	30	30
4-Chlorotoluene	1.9 3.3	-7.0	-1.7	-3.7	4.0	3.2	50 30	30	30	30	30	30
tert-Butylbenzene	2.1 3.3	-6.0	-1.6	-4.7	4.3	2.6	50 30	30	30	30	30	30
Pentachloroethane	-8.1 9.8	-16.3	5.4	-7.1	7.8	8.5	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	0.1 4.5	-10.0	-1.1	-3.4	5.4	4.5	50 30	30	30	30	30	30
sec-Butylbenzene	2.4 3.1	-8.3	-1.8	-4.8	5.2	4.2	50 30	30	30	30	30	30
1,3-Dichlorobenzene	2.0 4.4	-8.1	-2.1	-4.0	3.7	4.1	50 30	30	30	30	30	30
p-Isopropyltoluene	1.2 3.9	-9.8	-1.8	-4.4	6.6	4.4	50 30	30	30	30	30	30
1,4-Dichlorobenzene	3.5 2.0	-6.5	-0.3	-3.5	2.5	2.3	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	5.1 2.6	-7.1	-0.7	-4.7	2.9	1.9	50 30	30	30	30	30	30
Benzyl chloride	-12.1 10.6	-13.4	-2.0	0.3	8.2	8.4	50 30	30	30	30	30	30
n-Butylbenzene	-2.3 7.7	-9.0	-2.0	-6.3	6.3	5.7	50 30	30	30	30	30	30
1,2-Dichlorobenzene	2.0 2.7	-7.8	0.3	-2.9	3.5	2.3	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.: 410-174025-1 Analy Batch No.: 474838

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2024 04:08 Calibration End Date: 02/20/2024 06:14 Calibration ID: 59068

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,2-Dibromo-3-Chloropropane	-26.2 11.1	-11.7	5.5	1.4	12.2	7.8	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-4.5 7.2	-9.7	-3.0	-4.0	8.1	5.9	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-8.0 10.7	-13.8	-3.8	-2.8	9.3	8.5	50 30	30	30	30	30	30
Hexachlorobutadiene	2.5 7.4	-10.8	-3.9	-4.8	5.0	4.6	50 30	30	30	30	30	30
Naphthalene	-6.5 6.6	-12.0	2.8	-1.4	6.9	3.6	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-6.6 8.2	-13.6	0.1	-3.9	9.8	6.0	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	0.8 0.1	0.1	0.0	-0.3	0.4	-1.1	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-0.9 -1.3	0.1	-0.6	0.2	3.0	-0.5	50 30	30	30	30	30	30
Toluene-d8 (Surr)	0.8 -0.5	-0.1	0.3	0.3	0.3	-1.0	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	1.6 -0.6	-0.7	-0.7	0.4	0.7	-0.6	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X14.D
Lims ID: IC std1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 20-Feb-2024 04:08:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106711-014
Misc. Info.: 0.2
Operator ID: gaw91131 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 07-Mar-2024 15:43:42 Calib Date: 20-Feb-2024 06:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X20.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1680

First Level Reviewer: DVW2 Date: 27-Feb-2024 12:47:45

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Dichlorodifluoromethane	85	1.824	1.806	0.018	97	13639	0.2000	0.2154	
4	Chloromethane	50	2.001	1.995	0.006	99	16040	0.2000	0.2288	
5	Vinyl chloride	62	2.111	2.099	0.012	93	13818	0.2000	0.2131	
6	Butadiene	39	2.117	2.105	0.012	91	16221	0.2000	0.2483	
7	Bromomethane	94	2.416	2.398	0.018	90	9932	0.2000	0.2179	
8	Chloroethane	64	2.483	2.471	0.012	99	8033	0.2000	0.2187	
9	Dichlorofluoromethane	67	2.708	2.690	0.018	96	23515	0.2000	0.2337	
10	Trichlorofluoromethane	101	2.775	2.757	0.018	94	16222	0.2000	0.2206	
11	Ethyl ether	59	2.989	2.964	0.025	91	6389	0.2000	0.1923	
13	1,2-Dichloro-1,1,2-trifluoroetha	67	3.062	3.056	0.006	92	13921	0.2000	0.2355	
14	Acrolein	56	3.141	3.123	0.018	97	46535	10.0	10.7	
15	1,1-Dichloroethene	96	3.257	3.251	0.006	96	8521	0.2000	0.2156	
16	Acetone	43	3.294	3.275	0.019	95	22745	2.00	3.94	
17	1,1,2-Trichloro-1,2,2-trifluoroe	101	3.306	3.294	0.012	89	8440	0.2000	0.2070	
18	Iodomethane	142	3.446	3.428	0.018	99	15718	0.2000	0.1997	
19	Ethyl bromide	108	3.464	3.452	0.012	82	7622	0.2000	0.2136	
20	Carbon disulfide	76	3.538	3.531	0.007	98	29123	0.2000	0.2425	
23	Methyl acetate	43	3.714	3.666	0.048	23	5643	0.2000	0.3420	a
24	3-Chloro-1-propene	41	3.702	3.684	0.018	92	18484	0.2000	0.2418	
25	Methylene Chloride	84	3.861	3.855	0.006	46	8888	0.2000	0.2032	
* 26	t-Butyl alcohol-d10 (IS)	65	3.873	3.867	0.006	38	125913	50.0	50.0	M
27	2-Methyl-2-propanol	59	3.989	3.970	0.019	90	11904	4.00	5.09	
28	Acrylonitrile	53	4.251	4.165	0.086	31	1468	0.5000	0.2019	
29	Methyl tert-butyl ether	73	4.239	4.226	0.013	86	23424	0.2000	0.2017	
30	trans-1,2-Dichloroethene	96	4.257	4.239	0.018	98	9497	0.2000	0.2122	
31	Hexane	57	4.678	4.659	0.019	93	13276	0.2000	0.2159	
32	1,1-Dichloroethane	63	4.909	4.903	0.006	92	17614	0.2000	0.2066	
35	Isopropyl ether	45	4.970	4.958	0.012	96	30210	0.2000	0.2001	
36	2-Chloro-1,3-butadiene	53	5.037	5.007	0.030	47	15457	0.2000	0.2145	
37	Tert-butyl ethyl ether	59	5.507	5.507	0.000	97	28298	0.2000	0.2059	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 2-Butanone (MEK)	43	5.781	5.720	0.061	91	22393	2.00	2.16	
39 cis-1,2-Dichloroethene	96	5.763	5.751	0.012	79	11287	0.2000	0.2203	
40 2,2-Dichloropropane	77	5.769	5.763	0.006	67	16101	0.2000	0.2216	
43 Propionitrile	54	5.885	5.799	0.086	31	9328	4.00	3.19	M
45 Methacrylonitrile	67	6.055	6.019	0.036	92	22748	2.00	2.18	M
46 Chlorobromomethane	128	6.098	6.080	0.018	92	4119	0.2000	0.1937	
47 Tetrahydrofuran	71	6.122	6.098	0.024	57	2975	1.00	0.9445	
S 41 1,2-Dichloroethene, Total	100				0			0.4325	
48 Chloroform	83	6.257	6.238	0.018	92	19179	0.2000	0.2258	
$ 49 Dibromofluoromethane (Surr)	113	6.464	6.458	0.006	94	378425	10.0	10.1	
50 1,1,1-Trichloroethane	97	6.464	6.464	0.000	36	15671	0.2000	0.2118	a
51 Cyclohexane	56	6.567	6.567	0.000	90	15873	0.2000	0.2013	
53 1,1-Dichloropropene	75	6.695	6.683	0.012	94	13840	0.2000	0.2134	
54 Carbon tetrachloride	117	6.689	6.683	0.006	85	13125	0.2000	0.2040	
55 Isobutyl alcohol	41	6.878	6.848	0.030	89	12012	10.0	14.1	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.927	6.915	0.012	64	76822	10.0	9.91	
57 Benzene	78	6.964	6.952	0.012	93	40811	0.2000	0.2093	
58 1,2-Dichloroethane	62	7.037	7.025	0.012	43	10196	0.2000	0.2011	
60 Tert-amyl methyl ether	73	7.153	7.147	0.006	99	24890	0.2000	0.2023	
* 61 Fluorobenzene (IS)	96	7.366	7.360	0.006	99	1560735	10.0	10.0	
62 n-Heptane	43	7.384	7.384	0.000	37	14442	0.2000	0.2282	
63 n-Butanol	56	7.854	7.750	0.104	10	7718	17.5	23.7	M
64 Trichloroethene	95	7.860	7.848	0.012	96	10748	0.2000	0.2108	
65 Methylcyclohexane	83	8.159	8.152	0.007	90	15725	0.2000	0.1970	
66 1,2-Dichloropropane	63	8.189	8.177	0.012	75	9770	0.2000	0.1975	
67 Methyl methacrylate	69	8.311	8.274	0.037	62	2916	0.2000	0.1512	
68 1,4-Dioxane	88		8.281				ND	ND	
69 Dibromomethane	93	8.299	8.293	0.006	89	4219	0.2000	0.1863	
71 Dichlorobromomethane	83	8.537	8.530	0.007	98	11907	0.2000	0.2021	
72 2-Nitropropane	41	8.817	8.799	0.018	93	8901	1.00	1.30	M
75 1-Bromo-2-chloroethane	63	8.939	8.927	0.012	95	9102	0.2000	0.1880	
76 cis-1,3-Dichloropropene	75	9.110	9.097	0.013	94	14235	0.2000	0.1939	
77 4-Methyl-2-pentanone (MIBK)	43	9.293	9.280	0.012	96	58708	2.00	2.08	
$ 78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1544924	10.0	10.1	
79 Toluene	92	9.506	9.500	0.006	97	25379	0.2000	0.2045	
97 trans-1,3-Dichloropropene	75	9.792	9.774	0.018	94	11093	0.2000	0.1879	
99 Ethyl methacrylate	69	9.866	9.847	0.019	90	8925	0.2000	0.1733	
100 1,1,2-Trichloroethane	97	9.994	9.988	0.006	86	7014	0.2000	0.2051	
S 98 1,3-Dichloropropene, Total	100				0			0.3817	
101 Tetrachloroethene	166	10.079	10.079	0.000	97	12752	0.2000	0.2138	
102 1,3-Dichloropropane	76	10.164	10.152	0.012	90	11739	0.2000	0.2035	
103 2-Hexanone	43	10.231	10.207	0.024	96	48907	2.00	2.43	
105 Chlorodibromomethane	129	10.378	10.378	0.000	89	8404	0.2000	0.1973	
106 Ethylene Dibromide	107	10.493	10.487	0.006	97	6090	0.2000	0.1913	
* 107 Chlorobenzene-d5 (IS)	117	10.932	10.932	0.000	85	1166455	10.0	10.0	
108 1-Chlorohexane	91	10.951	10.945	0.006	97	16301	0.2000	0.2330	
109 Chlorobenzene	112	10.957	10.957	0.000	96	28734	0.2000	0.2111	
111 1,1,1,2-Tetrachloroethane	131	11.042	11.042	0.000	94	9932	0.2000	0.2021	
112 Ethylbenzene	91	11.048	11.048	0.000	98	51911	0.2000	0.2129	
113 m-Xylene & p-Xylene	106	11.164	11.164	0.000	93	38770	0.4000	0.4065	
S 110 Xylenes, Total	106				0			0.6118	
114 o-Xylene	106	11.499	11.499	0.000	96	19488	0.2000	0.2053	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
115 Styrene	104	11.524	11.512	0.012	94	30428	0.2000	0.2026	
116 Bromoform	173	11.676	11.670	0.006	96	5562	0.2000	0.2018	
117 Isopropylbenzene	105	11.804	11.804	0.000	96	49164	0.2000	0.2106	
$ 120 4-Bromofluorobenzene (Surr)	95	11.951	11.951	0.000	94	575087	10.0	10.2	
121 1,1,2,2-Tetrachloroethane	83	12.054	12.054	0.000	92	8232	0.2000	0.1876	
122 Bromobenzene	156	12.066	12.066	0.000	93	11688	0.2000	0.1994	
123 trans-1,4-Dichloro-2-butene	53	12.085	12.079	0.006	94	21544	2.00	2.12	
124 1,2,3-Trichloropropane	110	12.097	12.097	0.000	75	2189	0.2000	0.1869	
125 N-Propylbenzene	91	12.140	12.133	0.007	98	58718	0.2000	0.2062	
126 2-Chlorotoluene	126	12.213	12.213	0.000	96	11806	0.2000	0.2055	
127 1,3,5-Trimethylbenzene	105	12.274	12.274	0.000	94	42724	0.2000	0.2046	
128 4-Chlorotoluene	126	12.310	12.304	0.006	96	11857	0.2000	0.2038	
129 tert-Butylbenzene	134	12.517	12.518	-0.001	93	9288	0.2000	0.2043	M
130 Pentachloroethane	167	12.548	12.548	0.000	78	6723	0.2000	0.1837	
131 1,2,4-Trimethylbenzene	105	12.560	12.560	0.000	97	41642	0.2000	0.2002	
132 sec-Butylbenzene	105	12.682	12.682	0.000	94	54488	0.2000	0.2048	
133 1,3-Dichlorobenzene	146	12.786	12.780	0.006	98	23376	0.2000	0.2040	
134 4-Isopropyltoluene	119	12.792	12.792	0.000	97	46730	0.2000	0.2024	
* 135 1,4-Dichlorobenzene-d4	152	12.835	12.835	0.000	94	672757	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.853	12.853	0.000	95	24278	0.2000	0.2069	
137 1,2,3-Trimethylbenzene	120	12.865	12.865	0.000	97	19864	0.2000	0.2101	
138 Benzyl chloride	126	12.938	12.932	0.006	98	3123	0.2000	0.1758	
139 n-Butylbenzene	92	13.084	13.084	0.000	97	21471	0.2000	0.1954	
140 1,2-Dichlorobenzene	146	13.115	13.109	0.006	99	21824	0.2000	0.2039	
142 1,2-Dibromo-3-Chloropropane	155	13.658	13.658	0.000	84	1027	0.2000	0.1475	
143 1,3,5-Trichlorobenzene	180	13.786	13.786	0.000	98	16029	0.2000	0.1909	
144 1,2,4-Trichlorobenzene	180	14.212	14.206	0.006	92	12852	0.2000	0.1839	
145 Hexachlorobutadiene	225	14.292	14.292	0.000	95	6679	0.2000	0.2051	
146 Naphthalene	128	14.389	14.383	0.006	97	24684	0.2000	0.1869	
147 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	96	10893	0.2000	0.1868	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00117	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00127	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00194	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00012	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 07-Mar-2024 15:43:42 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X14.D

Injection Date: 20-Feb-2024 04:08:30 Instrument ID: 19930 Operator ID: gaw91131

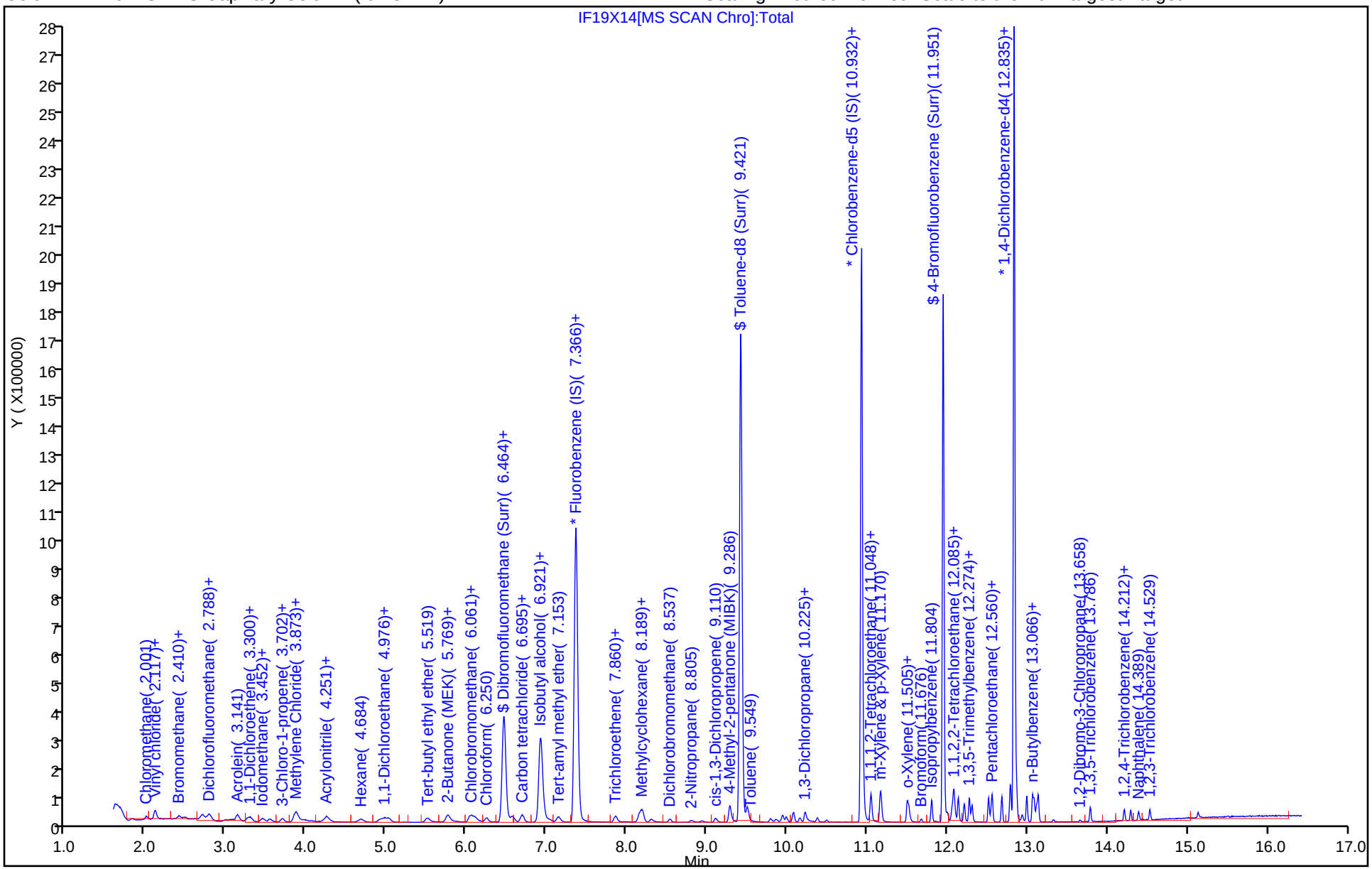
Lims ID: IC std1 Worklist Smp#: 14

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 13

Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

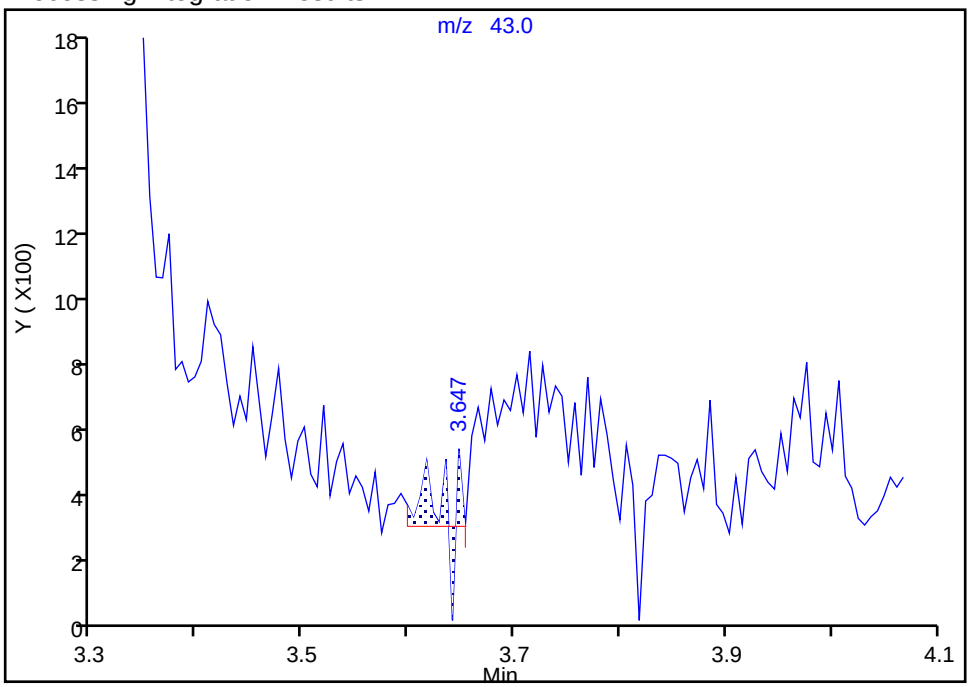
Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X14.D				
Injection Date:	20-Feb-2024 04:08:30	Instrument ID:	19930		
Lims ID:	IC std1				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

23 Methyl acetate, CAS: 79-20-9

Signal: 1

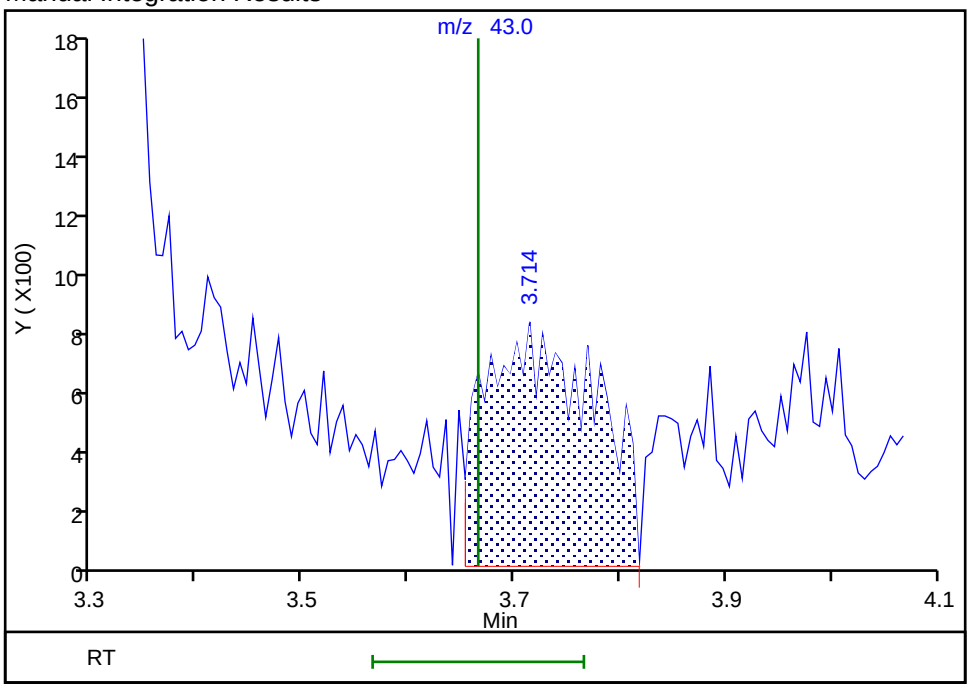
Processing Integration Results

RT: 3.65
Area: 203
Amount: 0.012962
Amount Units: ug/l



Manual Integration Results

RT: 3.71
Area: 5643
Amount: 0.342026
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:46:04 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

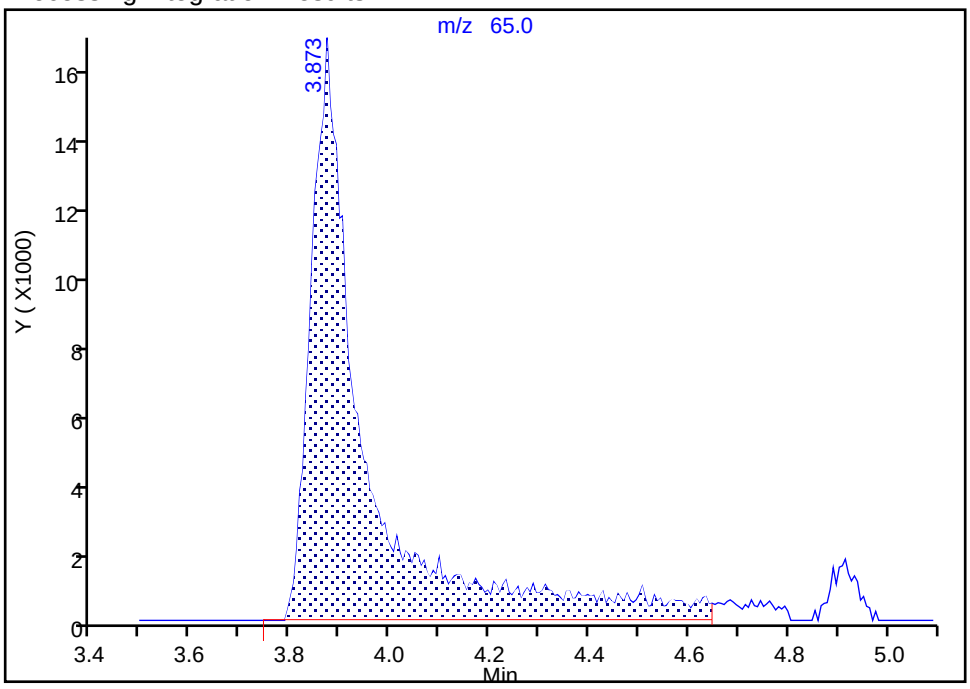
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X14.D
Injection Date: 20-Feb-2024 04:08:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

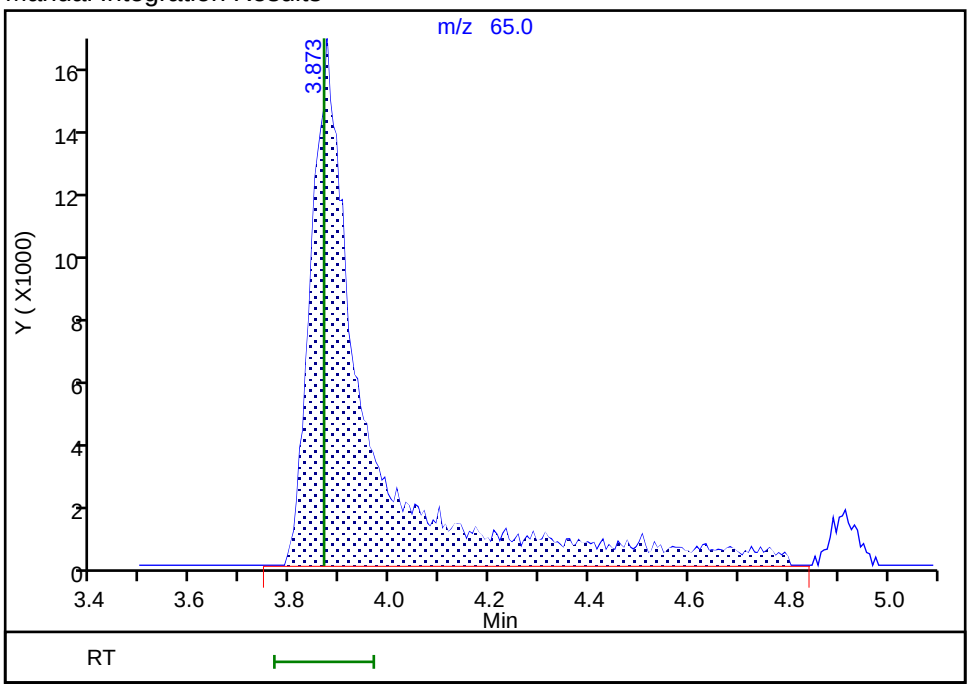
Processing Integration Results

RT: 3.87
Area: 121963
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.87
Area: 125913
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:46:10 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

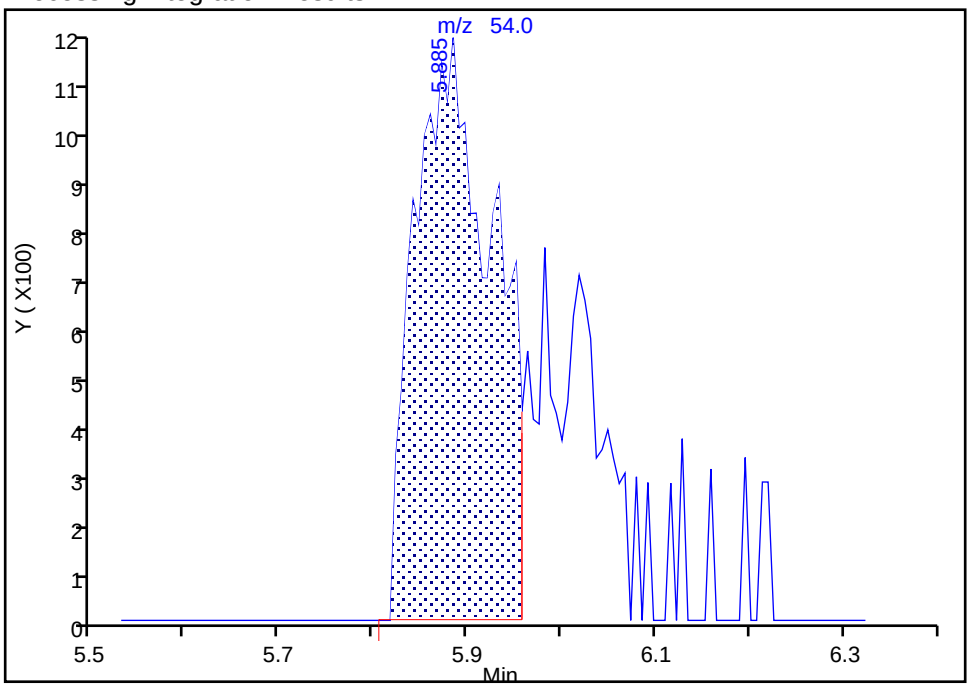
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X14.D
Injection Date: 20-Feb-2024 04:08:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

43 Propionitrile, CAS: 107-12-0

Signal: 1

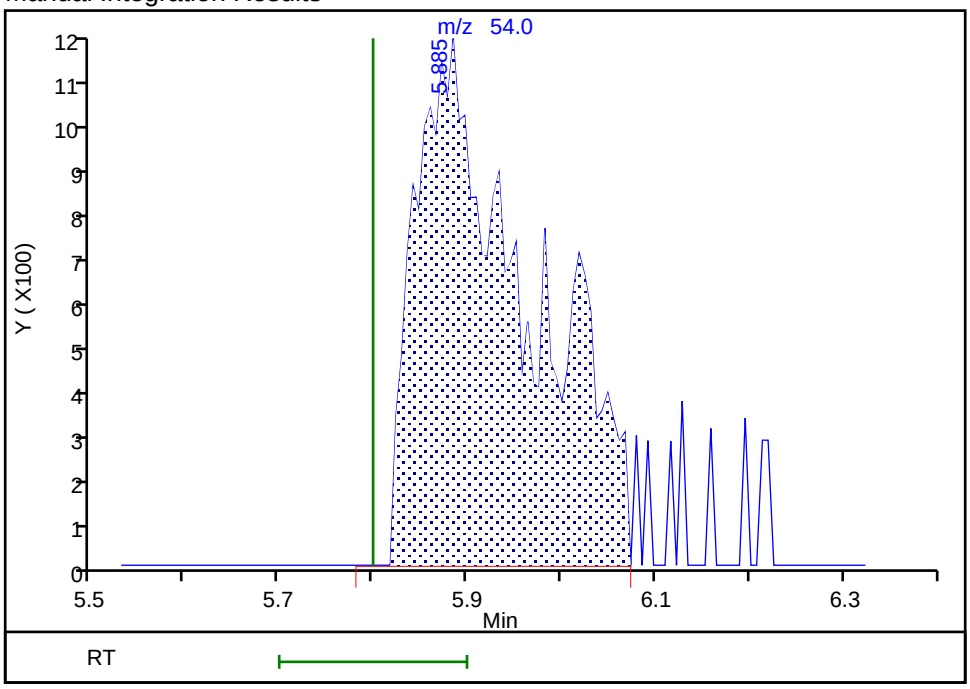
Processing Integration Results

RT: 5.88
Area: 6461
Amount: 2.399229
Amount Units: ug/l



Manual Integration Results

RT: 5.88
Area: 9328
Amount: 3.193882
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:46:49 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

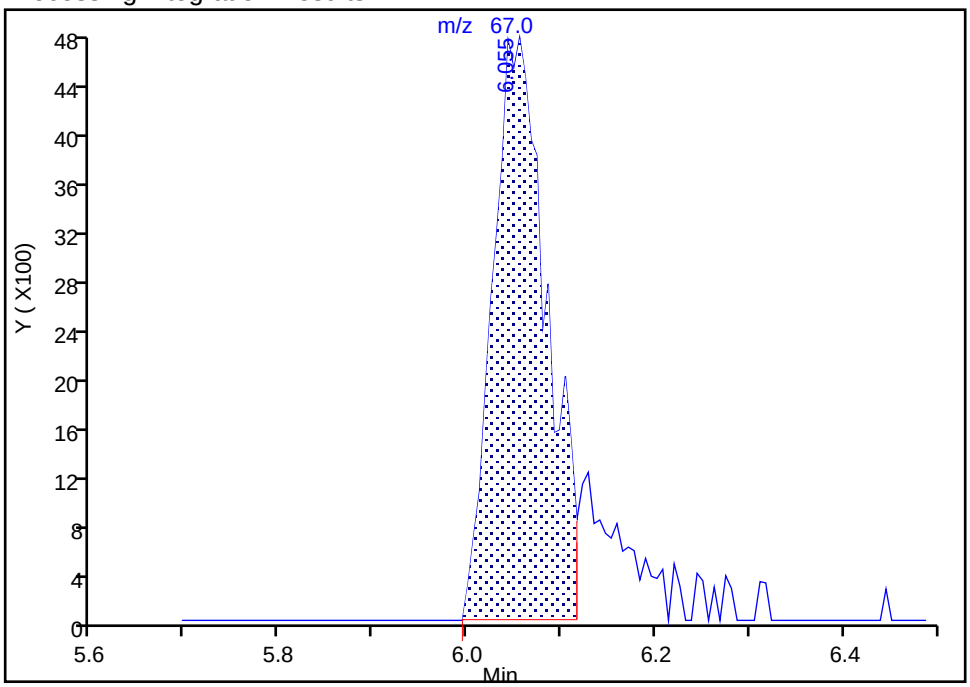
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X14.D
Injection Date: 20-Feb-2024 04:08:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

45 Methacrylonitrile, CAS: 126-98-7

Signal: 1

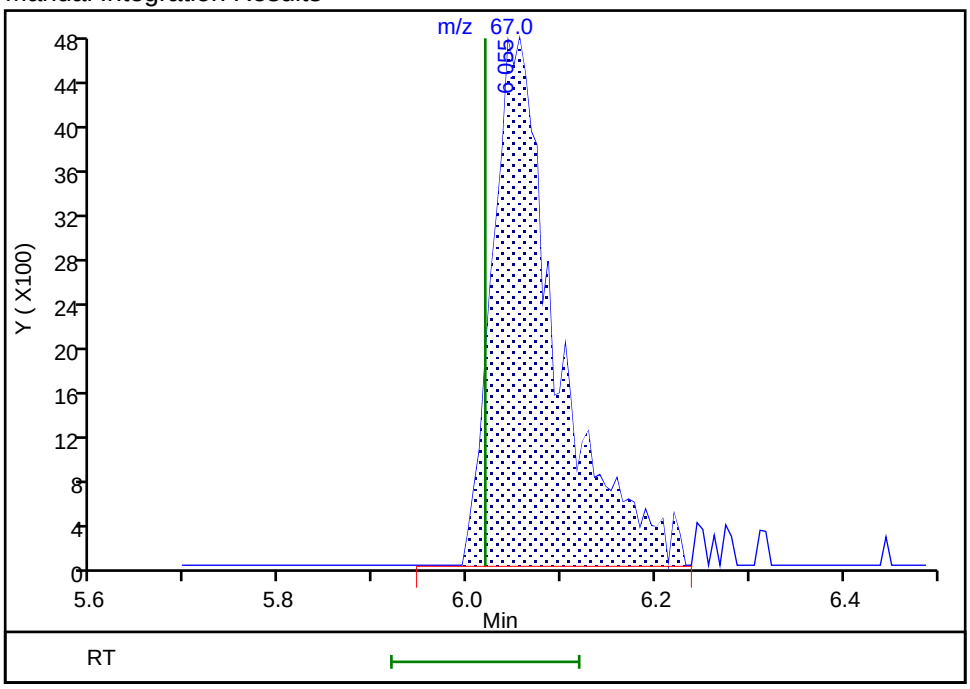
Processing Integration Results

RT: 6.06
Area: 18919
Amount: 1.827504
Amount Units: ug/l



Manual Integration Results

RT: 6.06
Area: 22748
Amount: 2.176891
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:46:54 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

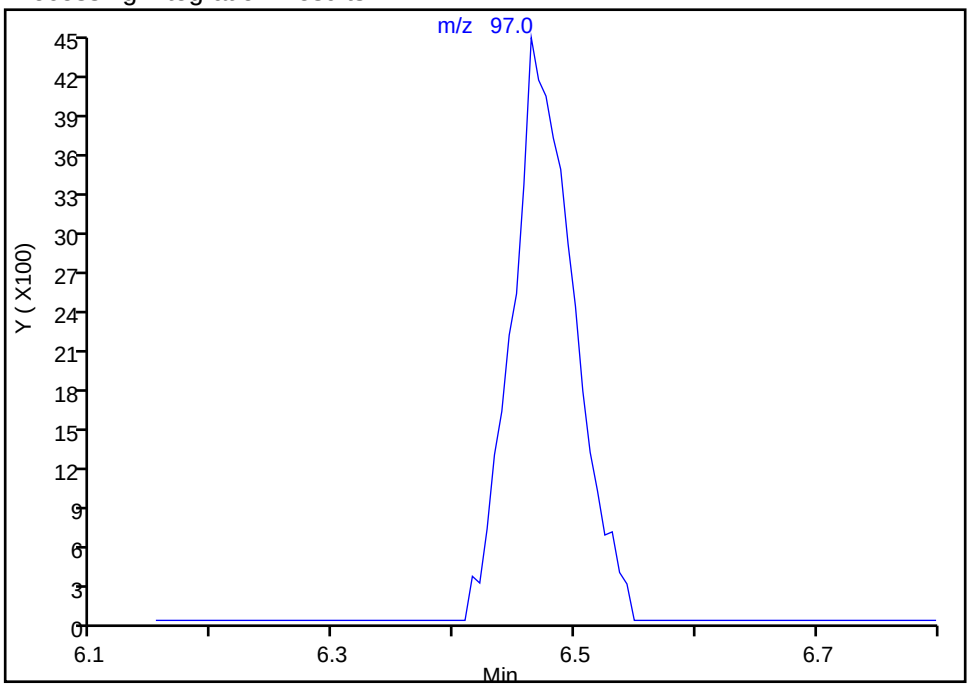
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X14.D
Injection Date: 20-Feb-2024 04:08:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

50 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

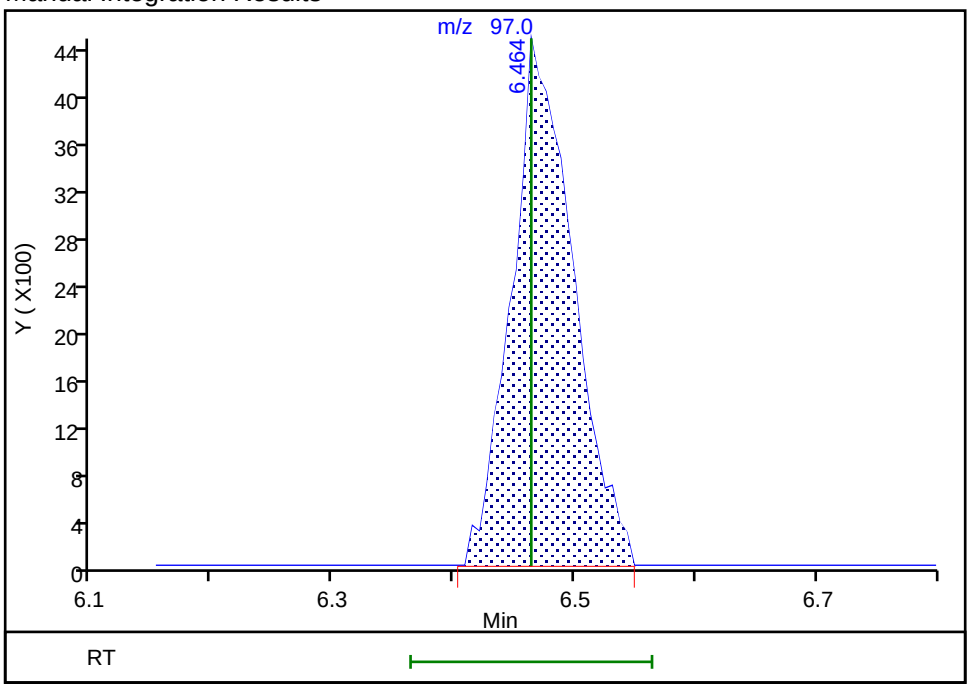
Not Detected
Expected RT: 6.46

Processing Integration Results



Manual Integration Results

RT: 6.46
Area: 15671
Amount: 0.211800
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:47:01 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

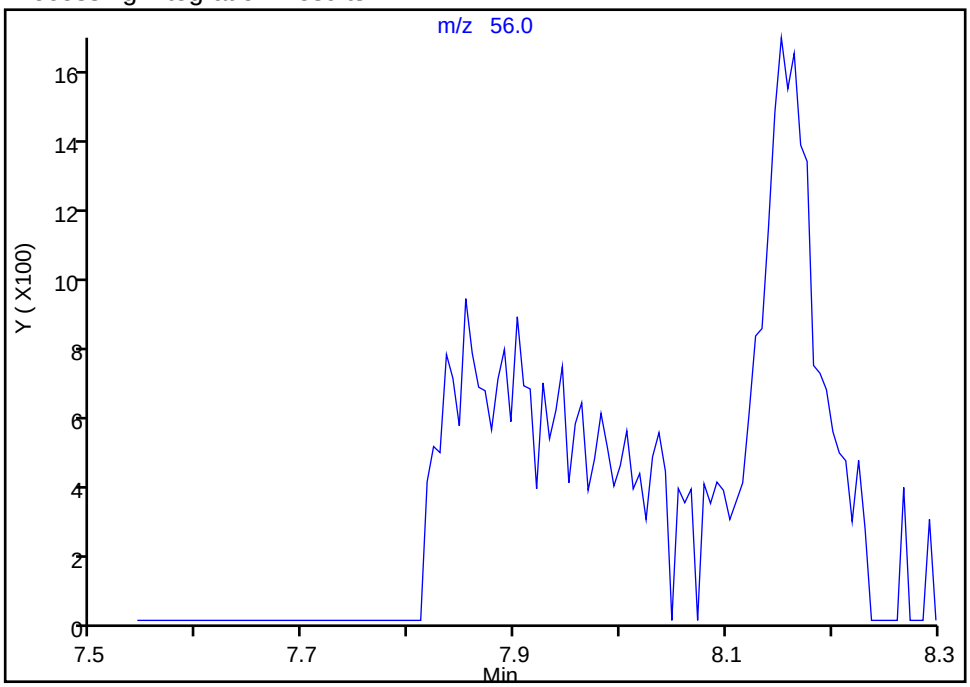
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X14.D
Injection Date: 20-Feb-2024 04:08:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

63 n-Butanol, CAS: 71-36-3

Signal: 1

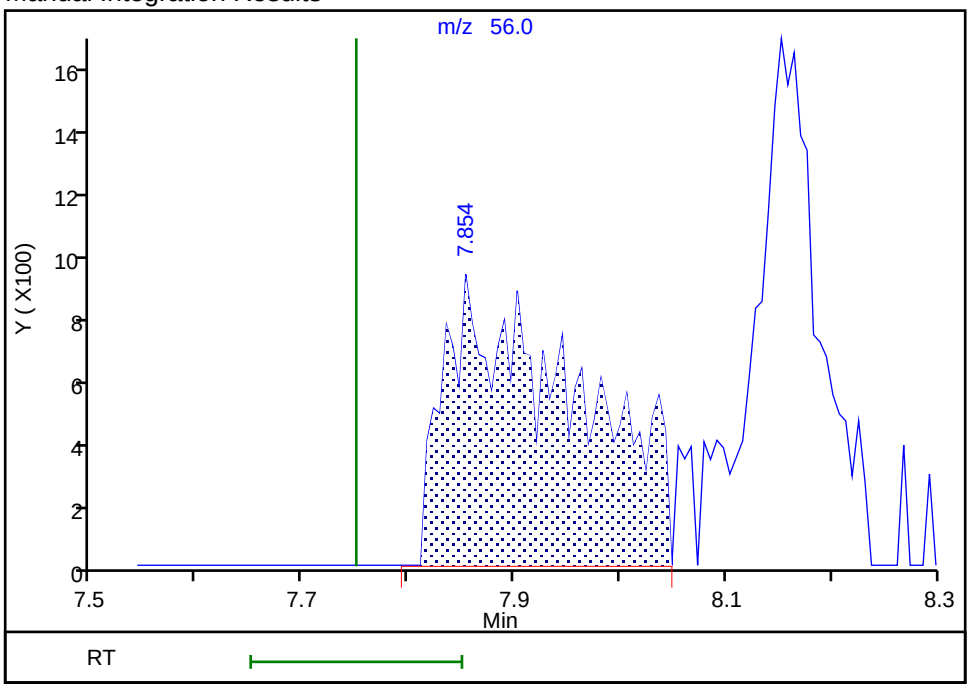
Not Detected
Expected RT: 7.75

Processing Integration Results



Manual Integration Results

RT: 7.85
Area: 7718
Amount: 23.716185
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:47:09 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

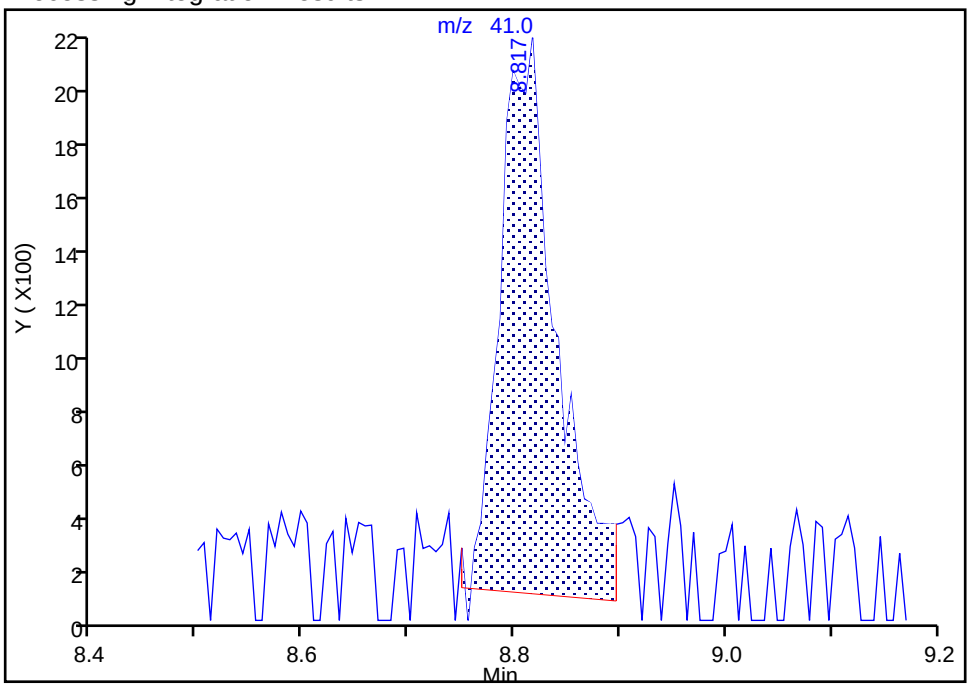
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X14.D
Injection Date: 20-Feb-2024 04:08:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

72 2-Nitropropane, CAS: 79-46-9

Signal: 1

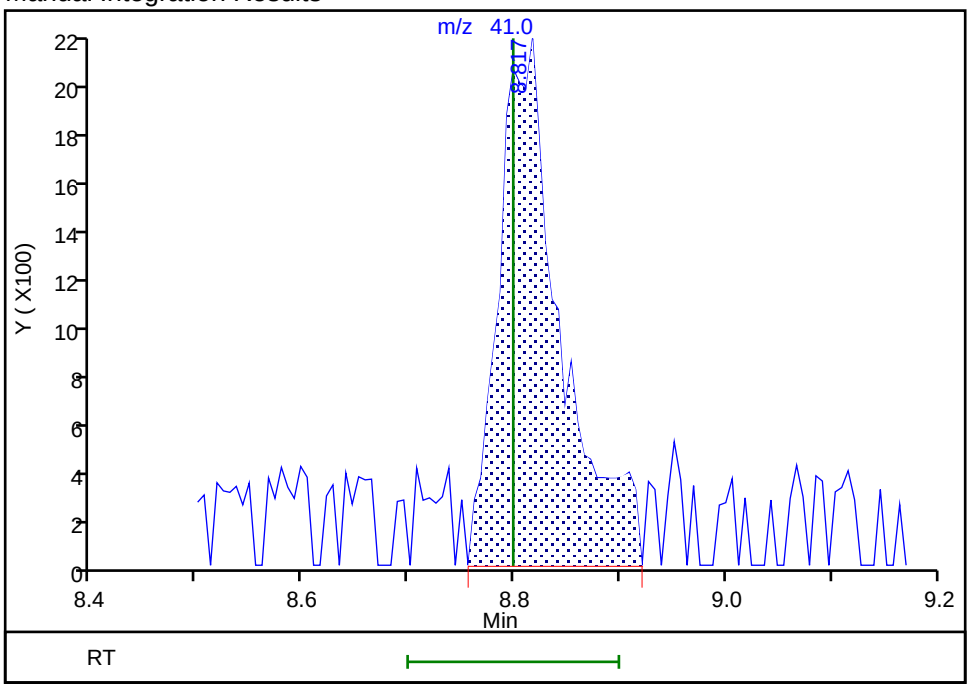
Processing Integration Results

RT: 8.82
Area: 7704
Amount: 1.114928
Amount Units: ug/l



Manual Integration Results

RT: 8.82
Area: 8901
Amount: 1.300837
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:47:26 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

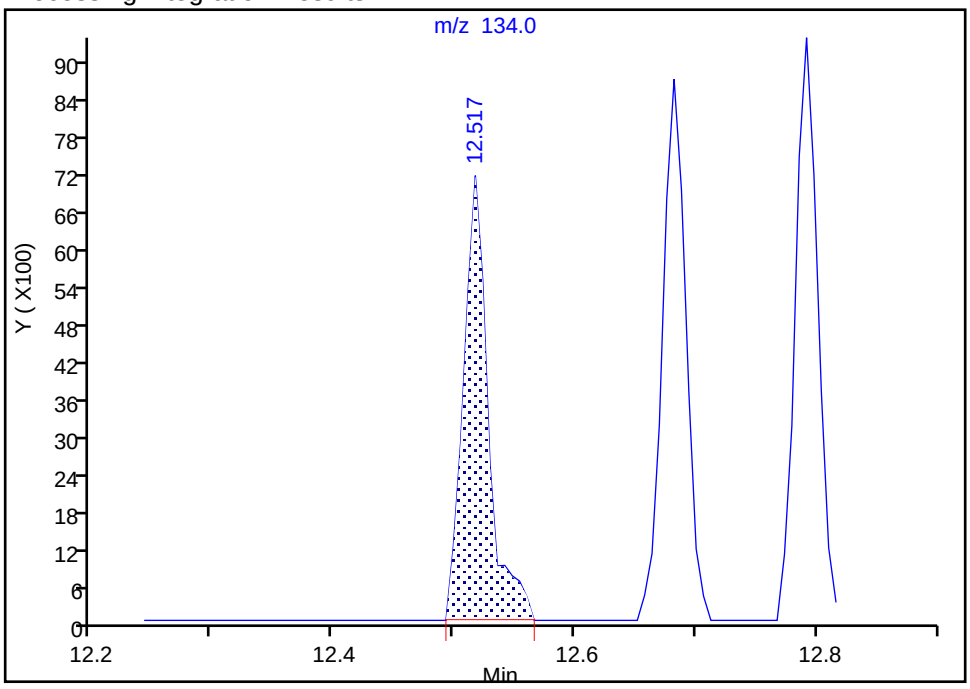
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X14.D
Injection Date: 20-Feb-2024 04:08:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

129 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

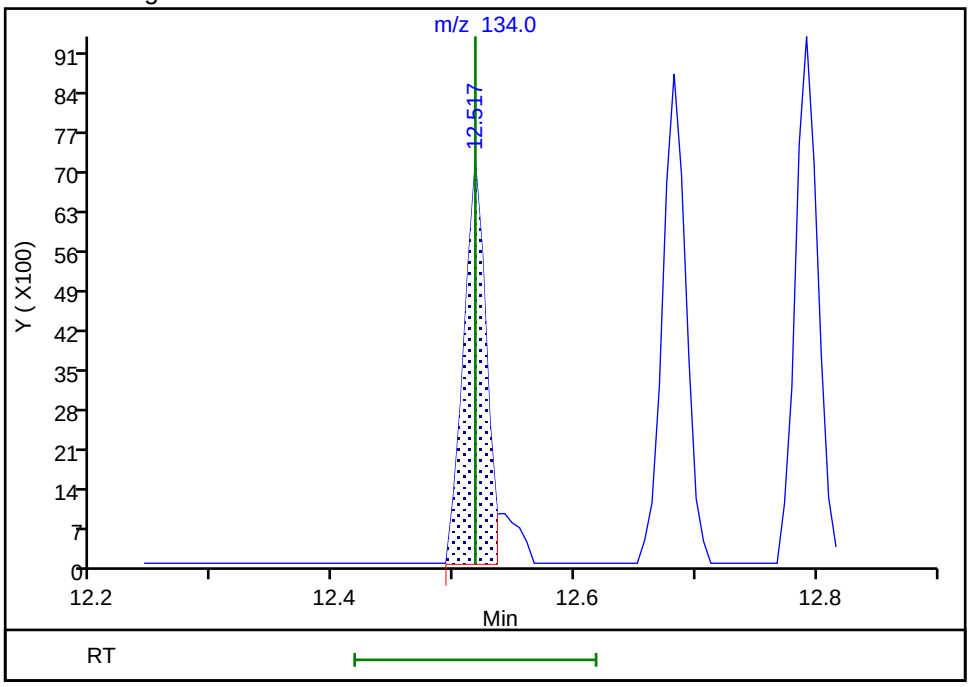
Processing Integration Results

RT: 12.52
Area: 10246
Amount: 0.214908
Amount Units: ug/l



Manual Integration Results

RT: 12.52
Area: 9288
Amount: 0.204263
Amount Units: ug/l



Reviewer: UKEK, 28-Feb-2024 09:20:20 -05:00:00 (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\19930\20240219-106711.b\IF19X15.D
Lims ID: IC std2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 20-Feb-2024 04:29:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106711-015
Misc. Info.: 0.5
Operator ID: gaw91131 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 07-Mar-2024 15:43:49 Calib Date: 20-Feb-2024 06:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X20.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1680

First Level Reviewer: DVW2 Date: 27-Feb-2024 12:50:20

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Dichlorodifluoromethane	85	1.818	1.806	0.012	99	30662	0.5000	0.4831	
4	Chloromethane	50	2.001	1.995	0.006	99	33719	0.5000	0.4798	
5	Vinyl chloride	62	2.111	2.099	0.012	93	30883	0.5000	0.4751	
6	Butadiene	39	2.117	2.105	0.012	91	31074	0.5000	0.4744	
7	Bromomethane	94	2.410	2.398	0.012	89	22547	0.5000	0.4933	
8	Chloroethane	64	2.489	2.471	0.018	98	17820	0.5000	0.4838	
9	Dichlorofluoromethane	67	2.702	2.690	0.012	97	51600	0.5000	0.5116	
10	Trichlorofluoromethane	101	2.769	2.757	0.012	97	34963	0.5000	0.4743	
11	Ethyl ether	59	2.983	2.964	0.019	90	15733	0.5001	0.4723	
13	1,2-Dichloro-1,1,2-trifluoroetha	67	3.056	3.056	0.000	90	28942	0.5000	0.4884	
14	Acrolein	56	3.141	3.123	0.018	99	107545	25.0	24.0	
15	1,1-Dichloroethene	96	3.269	3.251	0.018	97	18790	0.5000	0.4743	
16	Acetone	43	3.294	3.275	0.019	100	31108	5.00	5.25	
17	1,1,2-Trichloro-1,2,2-trifluoroe	101	3.300	3.294	0.006	89	18634	0.5000	0.4558	
18	Iodomethane	142	3.446	3.428	0.018	99	37218	0.5000	0.4716	
19	Ethyl bromide	108	3.470	3.452	0.018	96	15815	0.5001	0.4422	
20	Carbon disulfide	76	3.544	3.531	0.013	99	55628	0.5000	0.4621	
23	Methyl acetate	43	3.684	3.666	0.018	28	7351	0.5000	0.4337	M
24	3-Chloro-1-propene	41	3.702	3.684	0.018	93	36953	0.5000	0.4822	
25	Methylene Chloride	84	3.867	3.855	0.012	85	20739	0.5000	0.4730	
* 26	t-Butyl alcohol-d10 (IS)	65	3.867	3.867	0.000	75	129354	50.0	50.0	M
27	2-Methyl-2-propanol	59	3.989	3.970	0.019	99	27311	10.0	11.4	
28	Acrylonitrile	53	4.233	4.165	0.068	27	7581	1.25	1.01	
29	Methyl tert-butyl ether	73	4.239	4.226	0.013	94	55661	0.5000	0.4780	
30	trans-1,2-Dichloroethene	96	4.257	4.239	0.018	99	20980	0.5000	0.4676	
31	Hexane	57	4.684	4.659	0.025	92	28319	0.5000	0.4593	
32	1,1-Dichloroethane	63	4.915	4.903	0.012	95	39762	0.5000	0.4653	
35	Isopropyl ether	45	4.976	4.958	0.018	95	72370	0.5000	0.4780	
36	2-Chloro-1,3-butadiene	53	5.025	5.007	0.018	90	33401	0.5000	0.4624	
37	Tert-butyl ethyl ether	59	5.513	5.507	0.006	97	64807	0.5000	0.4703	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 2-Butanone (MEK)	43	5.757	5.720	0.037	91	47918	5.00	4.51	
39 cis-1,2-Dichloroethene	96	5.763	5.751	0.012	83	23735	0.5000	0.4621	
40 2,2-Dichloropropane	77	5.769	5.763	0.006	82	34240	0.5000	0.4700	
43 Propionitrile	54	5.854	5.799	0.055	34	25468	10.0	8.49	M
45 Methacrylonitrile	67	6.043	6.019	0.024	92	55245	5.00	5.15	M
46 Chlorobromomethane	128	6.092	6.080	0.012	92	9865	0.5000	0.4628	
47 Tetrahydrofuran	71	6.135	6.098	0.037	56	7907	2.50	2.44	M
S 41 1,2-Dichloroethene, Total	100				0			0.9296	
48 Chloroform	83	6.250	6.238	0.012	94	40903	0.5000	0.4803	
$ 49 Dibromofluoromethane (Surr)	113	6.470	6.458	0.012	94	376940	10.0	10.0	
50 1,1,1-Trichloroethane	97	6.464	6.464	0.000	68	35071	0.5000	0.4728	
51 Cyclohexane	56	6.567	6.567	0.000	90	37142	0.5000	0.4699	
53 1,1-Dichloropropene	75	6.702	6.683	0.019	95	30757	0.5000	0.4730	
54 Carbon tetrachloride	117	6.689	6.683	0.006	86	29565	0.5000	0.4584	
55 Isobutyl alcohol	41	6.866	6.848	0.018	92	22496	25.0	25.7	M
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.927	6.915	0.012	64	77784	10.0	10.0	
57 Benzene	78	6.958	6.952	0.006	92	92338	0.5000	0.4724	
58 1,2-Dichloroethane	62	7.037	7.025	0.012	97	24117	0.5000	0.4745	
60 Tert-amyl methyl ether	73	7.147	7.147	0.000	99	59123	0.5000	0.4794	
* 61 Fluorobenzene (IS)	96	7.366	7.360	0.006	99	1564746	10.0	10.0	
62 n-Heptane	43	7.390	7.384	0.006	91	26872	0.5000	0.4236	
63 n-Butanol	56	7.817	7.750	0.067	86	21942	43.8	41.7	
64 Trichloroethene	95	7.860	7.848	0.012	96	23900	0.5000	0.4676	
65 Methylcyclohexane	83	8.152	8.152	0.000	92	37504	0.5000	0.4685	
66 1,2-Dichloropropane	63	8.183	8.177	0.006	92	22600	0.5000	0.4557	
67 Methyl methacrylate	69	8.299	8.274	0.025	79	8853	0.5000	0.4469	
68 1,4-Dioxane	88	8.305	8.281	0.024	32	1574	25.0	10.5	M
69 Dibromomethane	93	8.299	8.293	0.006	90	10802	0.5000	0.4756	
71 Dichlorobromomethane	83	8.537	8.530	0.007	98	27072	0.5000	0.4584	
72 2-Nitropropane	41	8.811	8.799	0.012	97	17788	2.50	2.53	
75 1-Bromo-2-chloroethane	63	8.927	8.927	0.000	97	21548	0.5000	0.4439	
76 cis-1,3-Dichloropropene	75	9.104	9.097	0.007	96	33123	0.5000	0.4499	
77 4-Methyl-2-pentanone (MIBK)	43	9.286	9.280	0.006	97	145267	5.00	5.01	
$ 78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1540897	10.0	9.99	
79 Toluene	92	9.506	9.500	0.006	98	59075	0.5000	0.4730	
97 trans-1,3-Dichloropropene	75	9.792	9.774	0.018	93	27107	0.5000	0.4563	
99 Ethyl methacrylate	69	9.859	9.847	0.012	91	24274	0.5000	0.4683	
100 1,1,2-Trichloroethane	97	9.994	9.988	0.006	89	17017	0.5000	0.4946	
S 98 1,3-Dichloropropene, Total	100				0			0.9062	
101 Tetrachloroethene	166	10.079	10.079	0.000	97	28652	0.5000	0.4773	
102 1,3-Dichloropropane	76	10.158	10.152	0.006	91	27244	0.5000	0.4692	
103 2-Hexanone	43	10.219	10.207	0.012	96	99904	5.00	4.82	
105 Chlorodibromomethane	129	10.378	10.378	0.000	89	19583	0.5000	0.4568	
106 Ethylene Dibromide	107	10.494	10.487	0.007	97	14893	0.5000	0.4648	
* 107 Chlorobenzene-d5 (IS)	117	10.932	10.932	0.000	86	1173846	10.0	10.0	
108 1-Chlorohexane	91	10.945	10.945	0.000	95	34883	0.5000	0.4954	
109 Chlorobenzene	112	10.957	10.957	0.000	97	64012	0.5000	0.4674	
111 1,1,1,2-Tetrachloroethane	131	11.042	11.042	0.000	96	23513	0.5000	0.4756	
112 Ethylbenzene	91	11.048	11.048	0.000	98	115629	0.5000	0.4713	
113 m-Xylene & p-Xylene	106	11.170	11.164	0.006	94	89324	1.00	0.9307	
S 110 Xylenes, Total	106				0			1.40	
114 o-Xylene	106	11.499	11.499	0.000	96	44462	0.5000	0.4654	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
115 Styrene	104	11.518	11.512	0.006	95	68578	0.5000	0.4537	
116 Bromoform	173	11.676	11.670	0.006	97	12621	0.5000	0.4551	
117 Isopropylbenzene	105	11.804	11.804	0.000	95	109059	0.5000	0.4643	
$ 120 4-Bromofluorobenzene (Surr)	95	11.951	11.951	0.000	94	565213	10.0	9.93	
121 1,1,2,2-Tetrachloroethane	83	12.054	12.054	0.000	95	20749	0.5000	0.4674	
122 Bromobenzene	156	12.066	12.066	0.000	93	27123	0.5000	0.4575	
123 trans-1,4-Dichloro-2-butene	53	12.079	12.079	0.000	93	52716	5.00	5.05	
124 1,2,3-Trichloropropane	110	12.097	12.097	0.000	79	5707	0.5000	0.4818	
125 N-Propylbenzene	91	12.140	12.133	0.007	99	134150	0.5000	0.4656	
126 2-Chlorotoluene	126	12.213	12.213	0.000	96	26035	0.5000	0.4480	
127 1,3,5-Trimethylbenzene	105	12.274	12.274	0.000	93	99695	0.5000	0.4719	
128 4-Chlorotoluene	126	12.310	12.304	0.006	96	27363	0.5000	0.4649	
129 tert-Butylbenzene	134	12.517	12.518	-0.001	92	21630	0.5000	0.4702	M
130 Pentachloroethane	167	12.548	12.548	0.000	78	15489	0.5000	0.4184	
131 1,2,4-Trimethylbenzene	105	12.560	12.560	0.000	96	94751	0.5000	0.4502	
132 sec-Butylbenzene	105	12.682	12.682	0.000	94	123399	0.5000	0.4584	
133 1,3-Dichlorobenzene	146	12.780	12.780	0.000	98	53261	0.5000	0.4594	
134 4-Isopropyltoluene	119	12.792	12.792	0.000	97	105392	0.5000	0.4512	
* 135 1,4-Dichlorobenzene-d4	152	12.835	12.835	0.000	94	680555	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.853	12.853	0.000	96	55487	0.5000	0.4675	
137 1,2,3-Trimethylbenzene	120	12.865	12.865	0.000	97	44437	0.5000	0.4647	
138 Benzyl chloride	126	12.932	12.932	0.000	98	7780	0.5000	0.4329	
139 n-Butylbenzene	92	13.084	13.084	0.000	98	50574	0.5000	0.4549	
140 1,2-Dichlorobenzene	146	13.115	13.109	0.006	99	49892	0.5000	0.4609	
142 1,2-Dibromo-3-Chloropropane	155	13.664	13.658	0.006	86	3108	0.5000	0.4413	
143 1,3,5-Trichlorobenzene	180	13.786	13.786	0.000	98	38333	0.5000	0.4514	
144 1,2,4-Trichlorobenzene	180	14.206	14.206	0.000	93	30468	0.5000	0.4311	
145 Hexachlorobutadiene	225	14.292	14.292	0.000	96	14689	0.5000	0.4459	
146 Naphthalene	128	14.389	14.383	0.006	97	58810	0.5000	0.4402	
147 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	94	25482	0.5000	0.4320	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00117	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00127	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00194	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00012	Amount Added:	5.00	Units: uL	Run Reagent

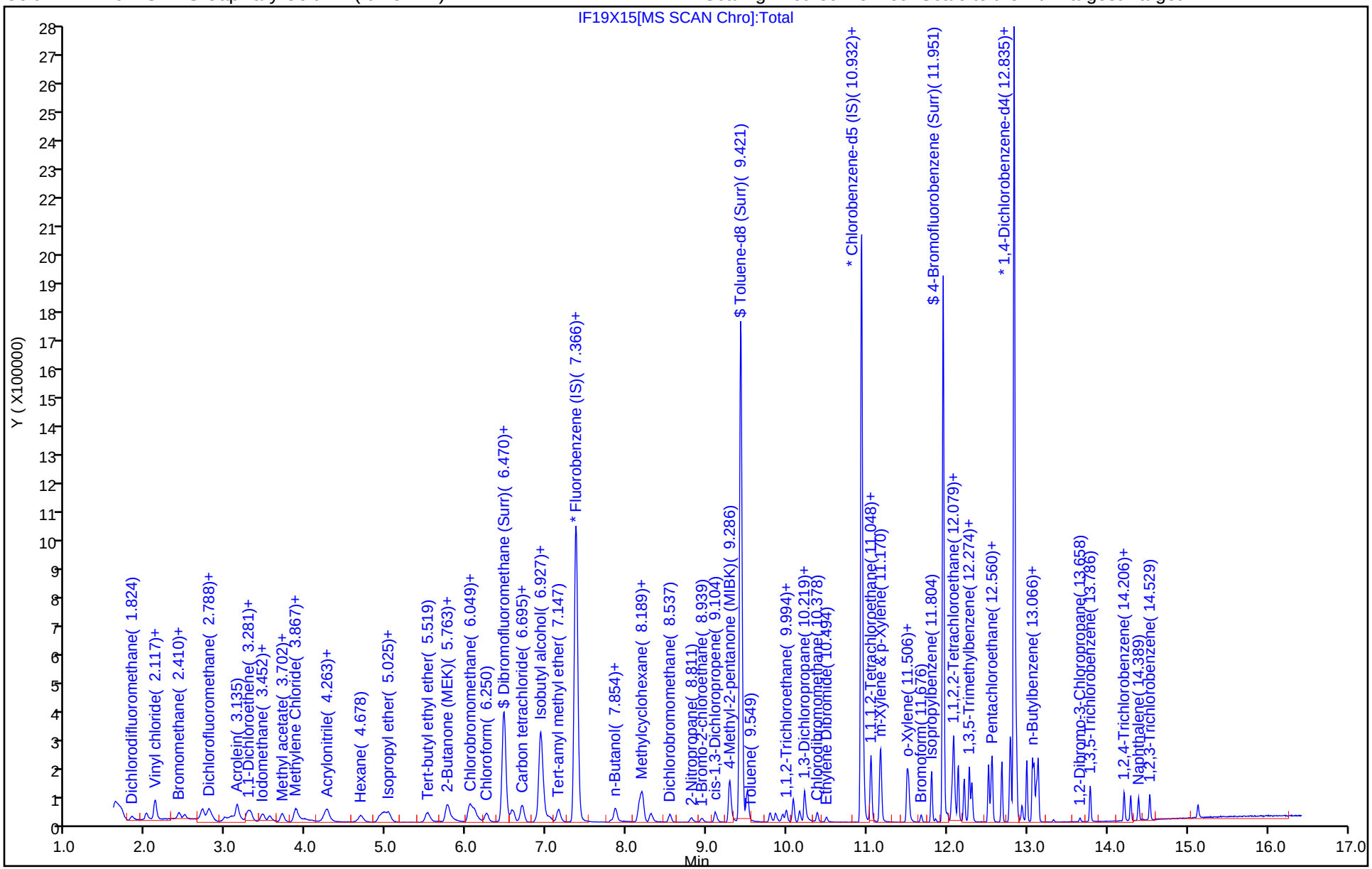
Report Date: 07-Mar-2024 15:43:49 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X15.D

Injection Date:	20-Feb-2024 04:29:30	Instrument ID:	19930	Operator ID:	gaw91131
Lims ID:	IC std2			Worklist Smp#:	15
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

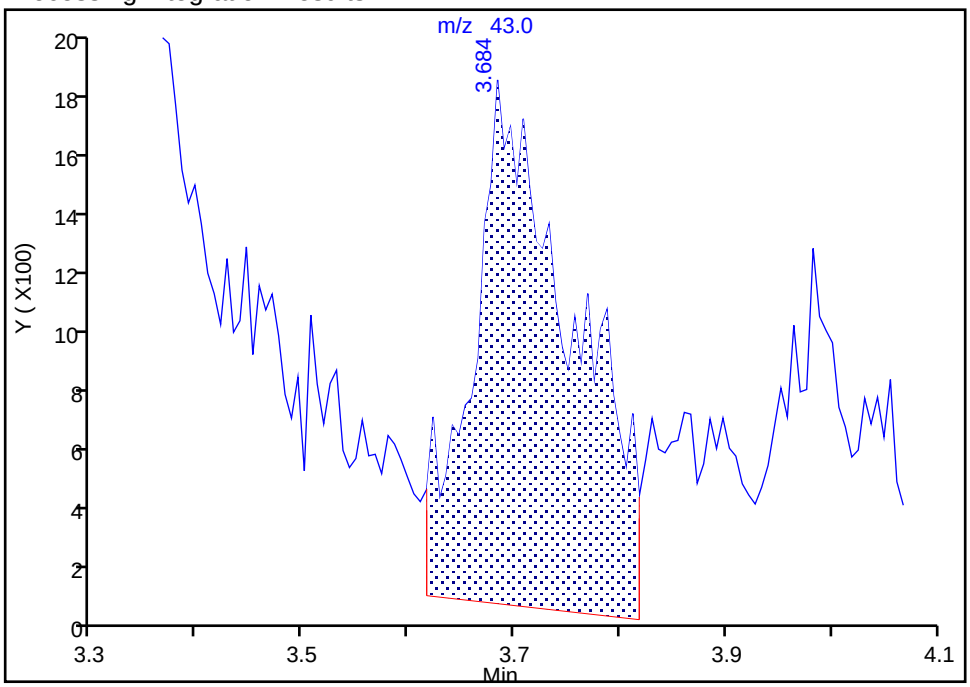
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X15.D
Injection Date: 20-Feb-2024 04:29:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

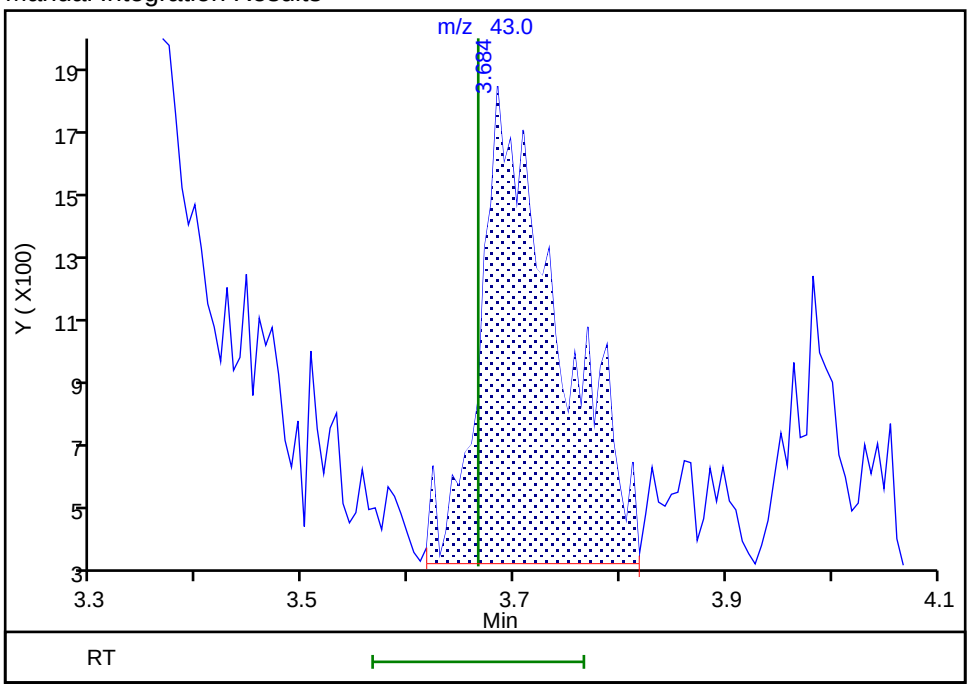
Processing Integration Results

RT: 3.68
Area: 11629
Amount: 0.628768
Amount Units: ug/l



Manual Integration Results

RT: 3.68
Area: 7351
Amount: 0.433697
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:48:31 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

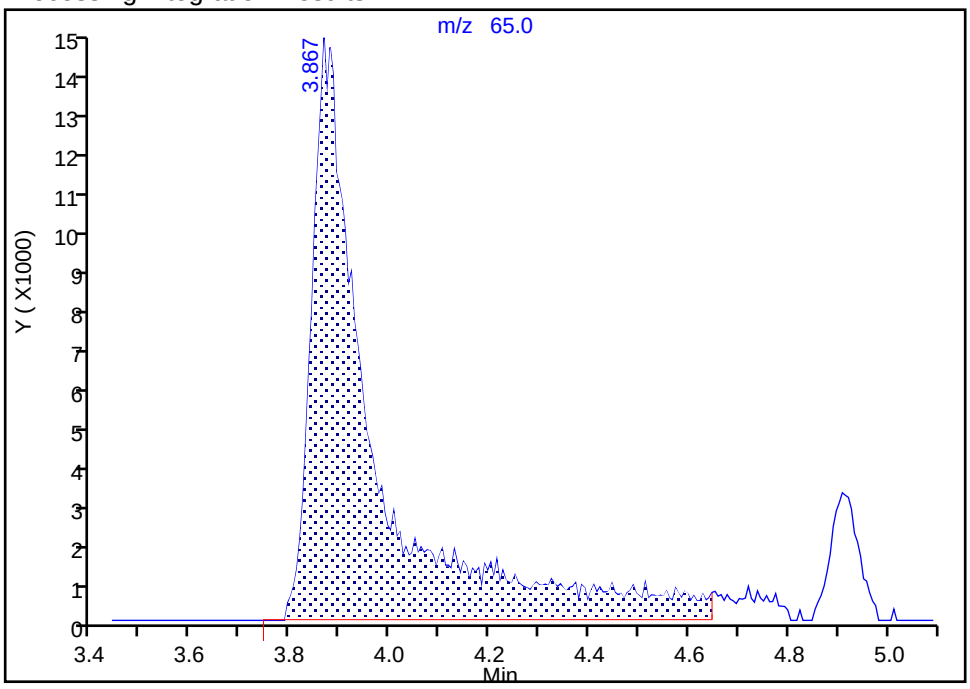
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X15.D
Injection Date: 20-Feb-2024 04:29:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

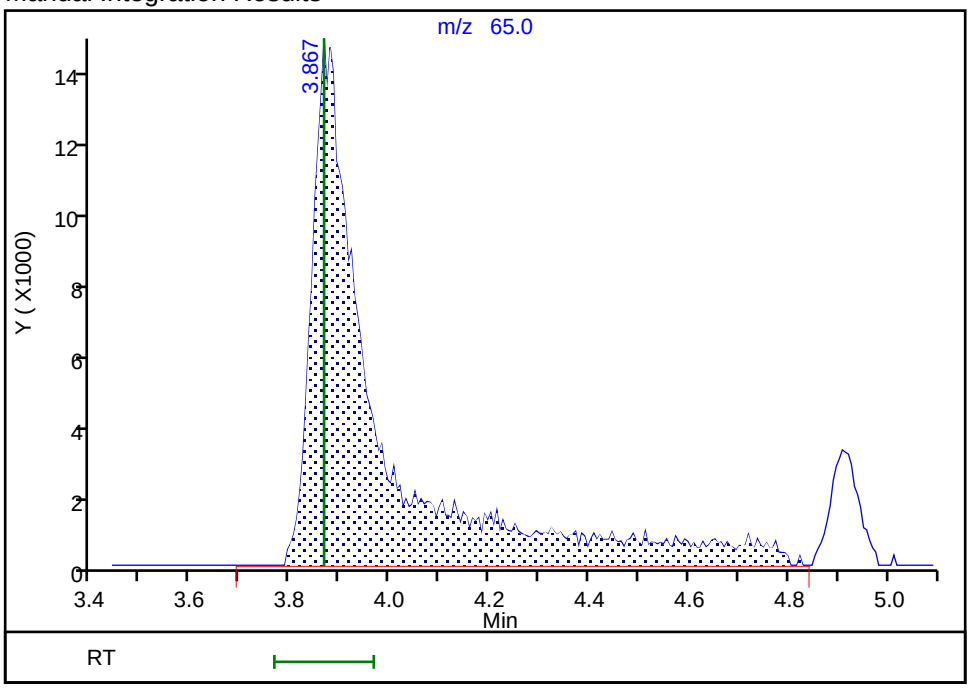
Processing Integration Results

RT: 3.87
Area: 124393
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.87
Area: 129354
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:48:38 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

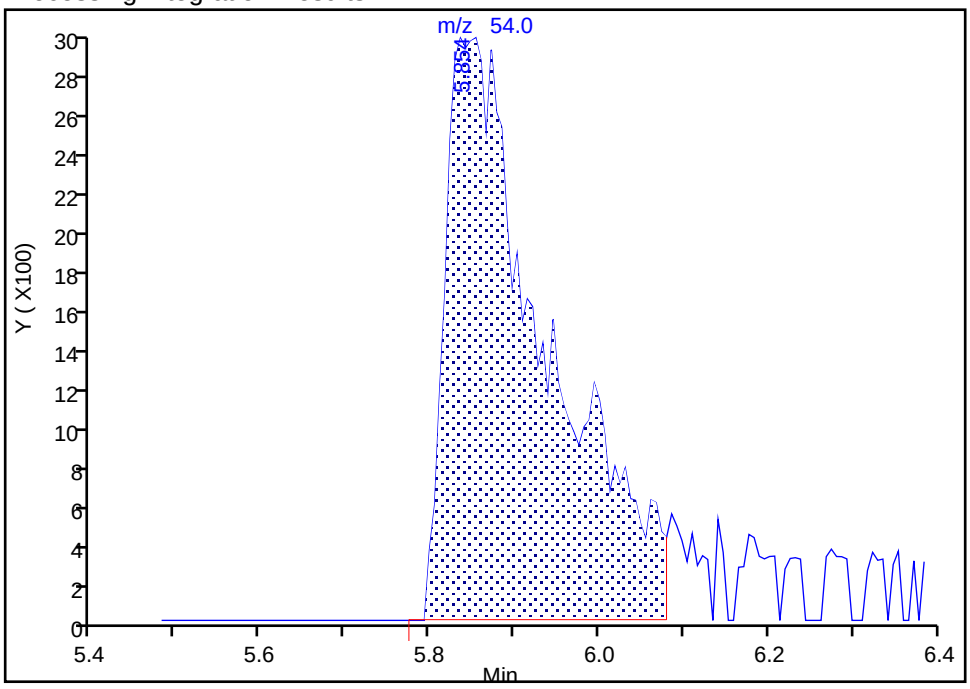
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X15.D
Injection Date: 20-Feb-2024 04:29:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

43 Propionitrile, CAS: 107-12-0

Signal: 1

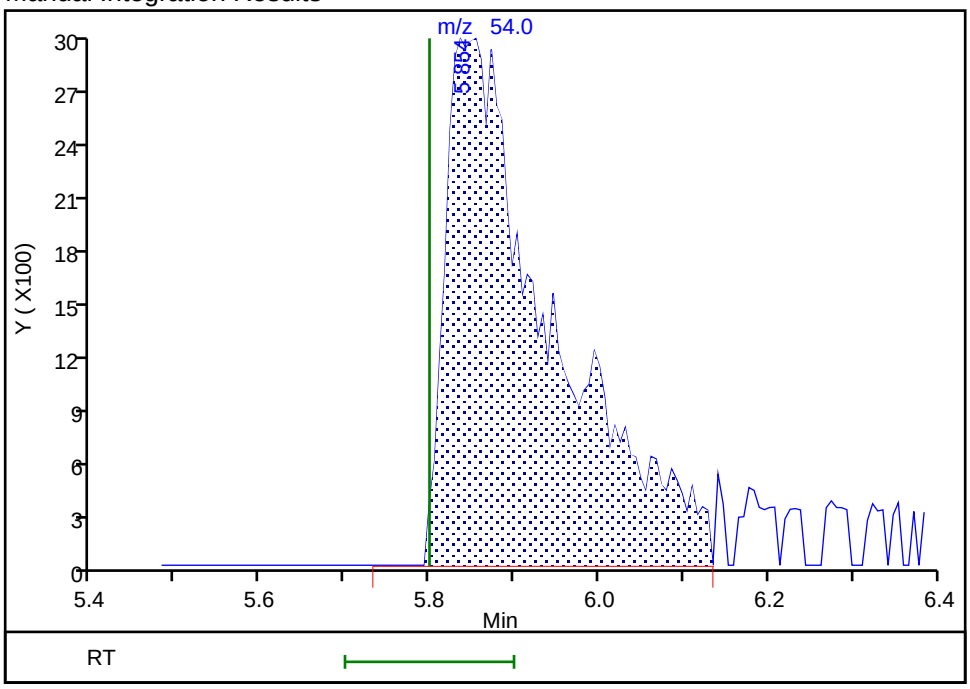
Processing Integration Results

RT: 5.85
Area: 24353
Amount: 8.521416
Amount Units: ug/l



Manual Integration Results

RT: 5.85
Area: 25468
Amount: 8.488204
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:48:57 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

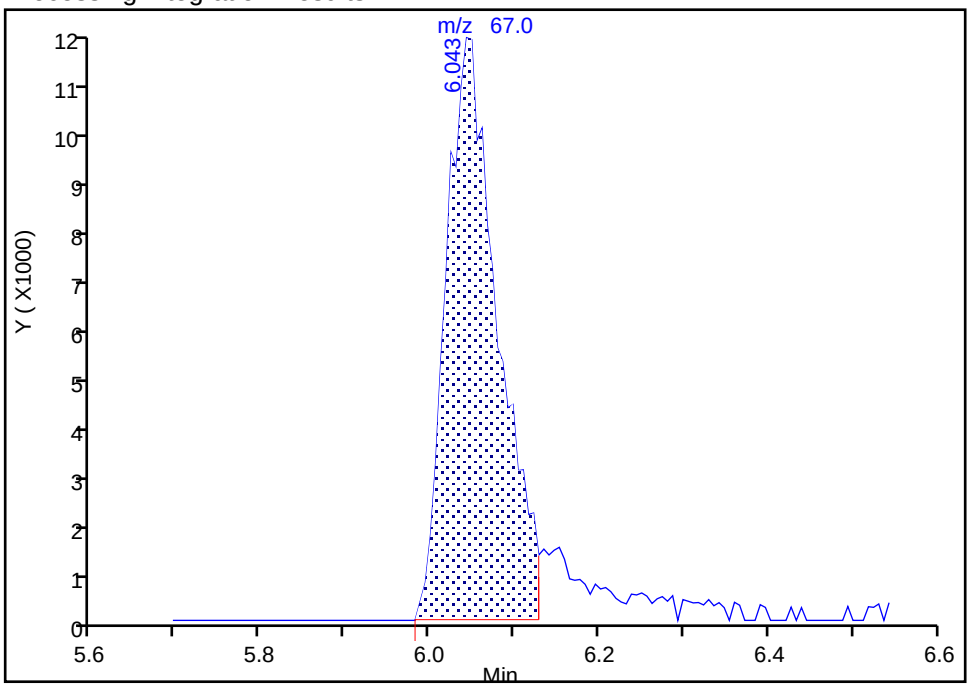
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X15.D
Injection Date: 20-Feb-2024 04:29:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

45 Methacrylonitrile, CAS: 126-98-7

Signal: 1

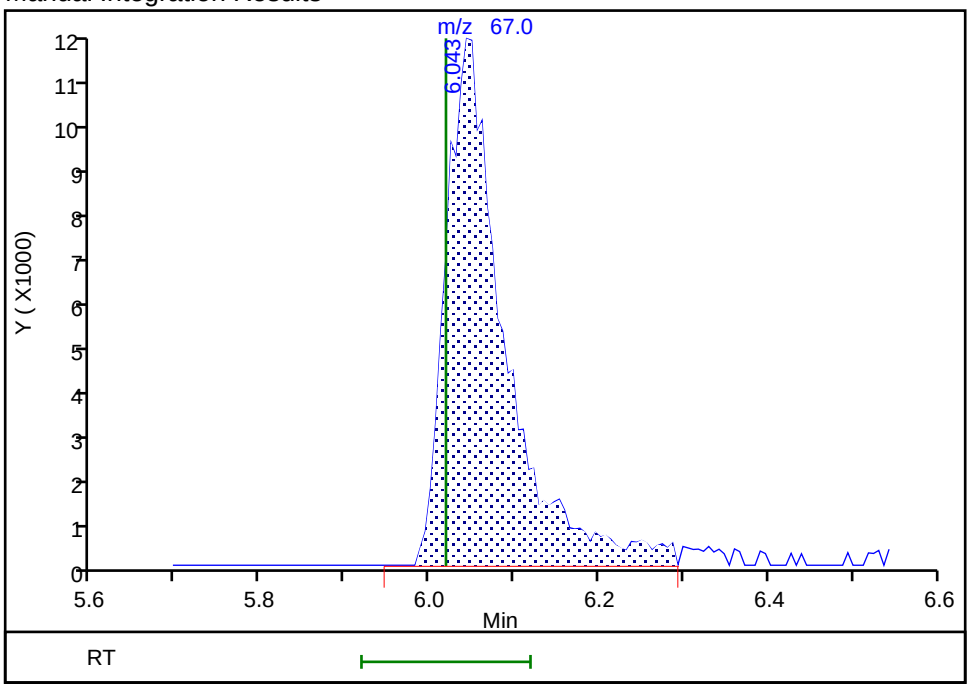
Processing Integration Results

RT: 6.04
Area: 48631
Amount: 4.477643
Amount Units: ug/l



Manual Integration Results

RT: 6.04
Area: 55245
Amount: 5.146088
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:49:01 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

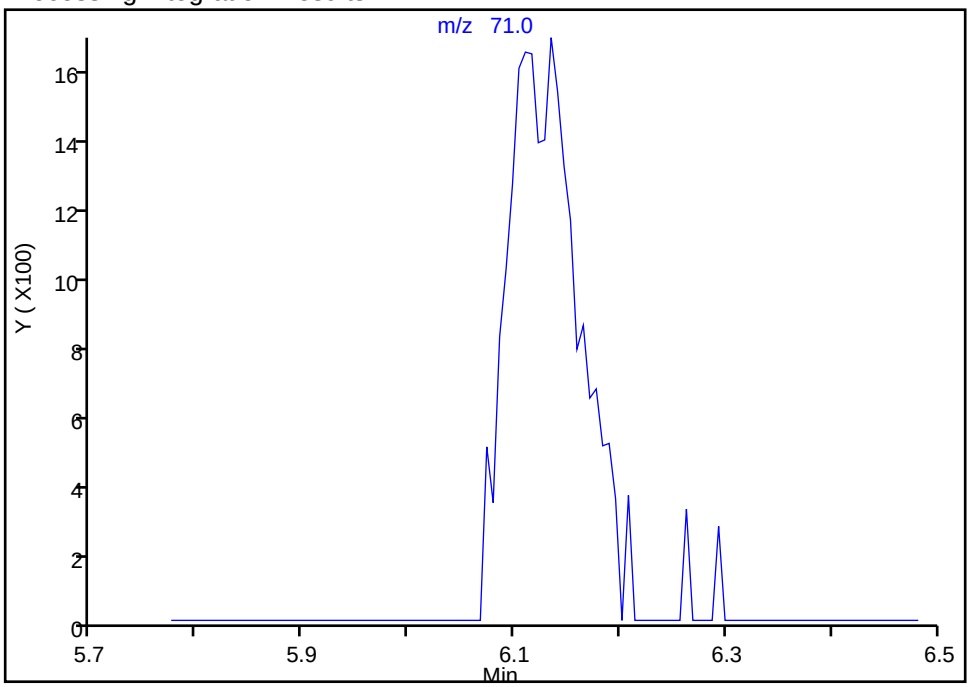
Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X15.D				
Injection Date:	20-Feb-2024 04:29:30	Instrument ID:	19930		
Lims ID:	IC std2				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

47 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

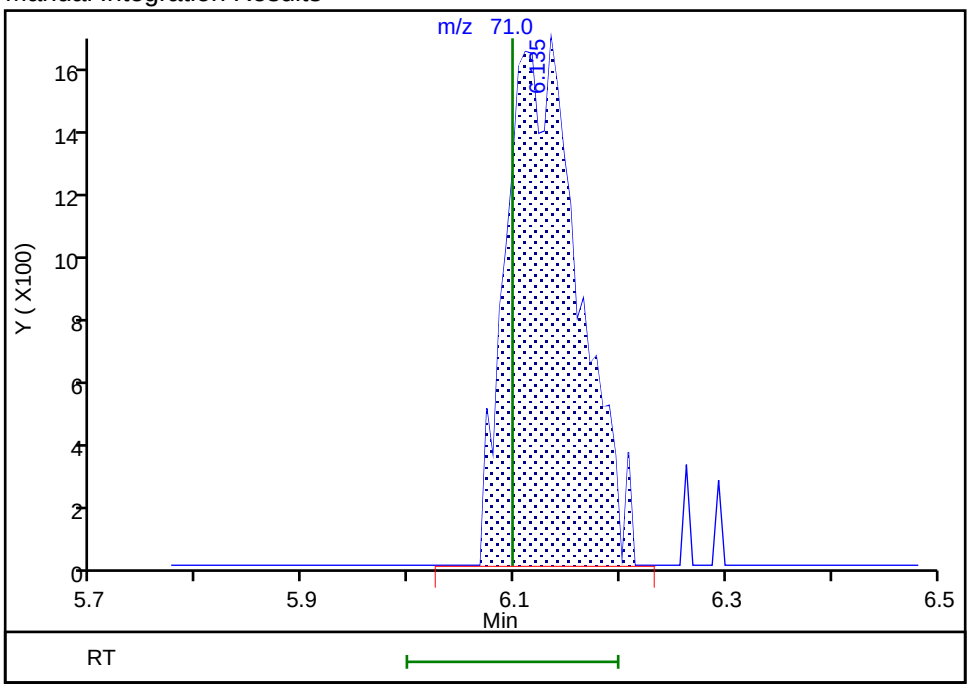
Not Detected
Expected RT: 6.10

Processing Integration Results



Manual Integration Results

RT: 6.13
Area: 7907
Amount: 2.443606
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:49:05 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

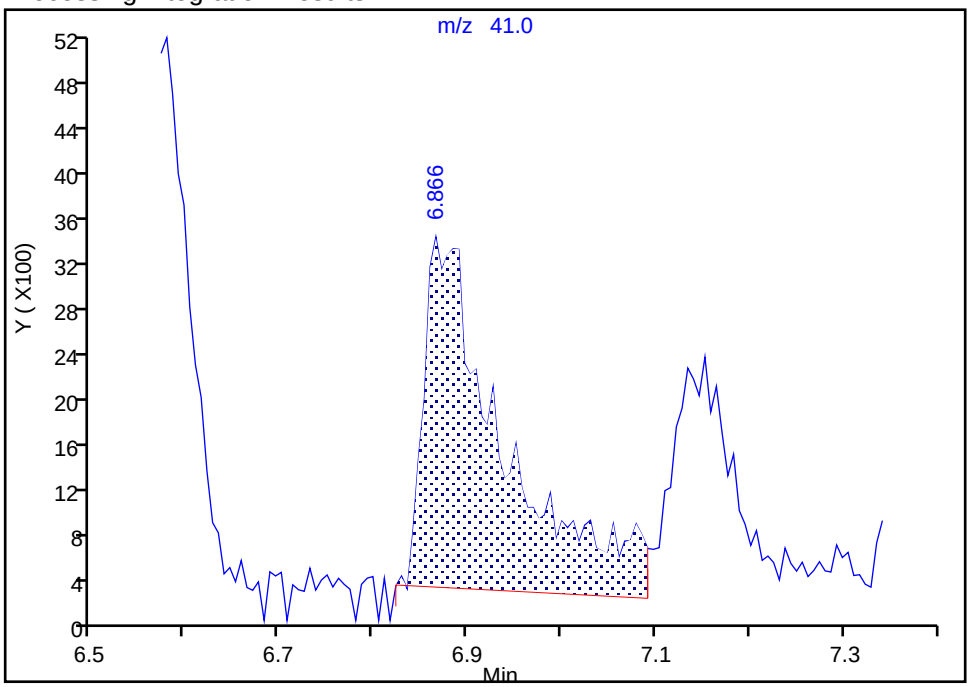
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X15.D
Injection Date: 20-Feb-2024 04:29:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

55 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

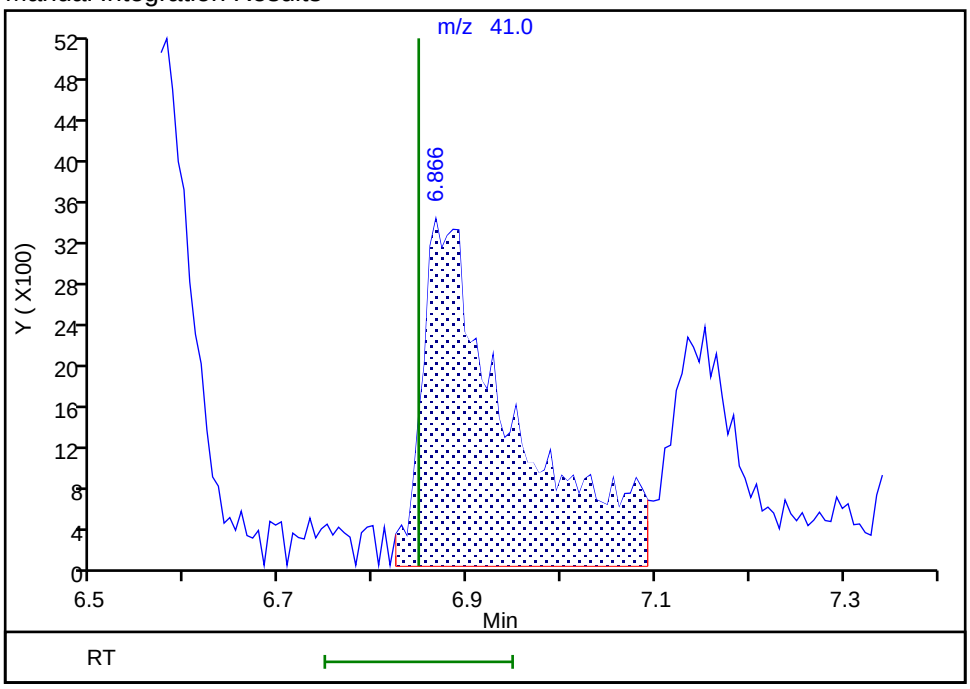
Processing Integration Results

RT: 6.87
Area: 18307
Amount: 20.926310
Amount Units: ug/l



Manual Integration Results

RT: 6.87
Area: 22496
Amount: 25.700636
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:49:16 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

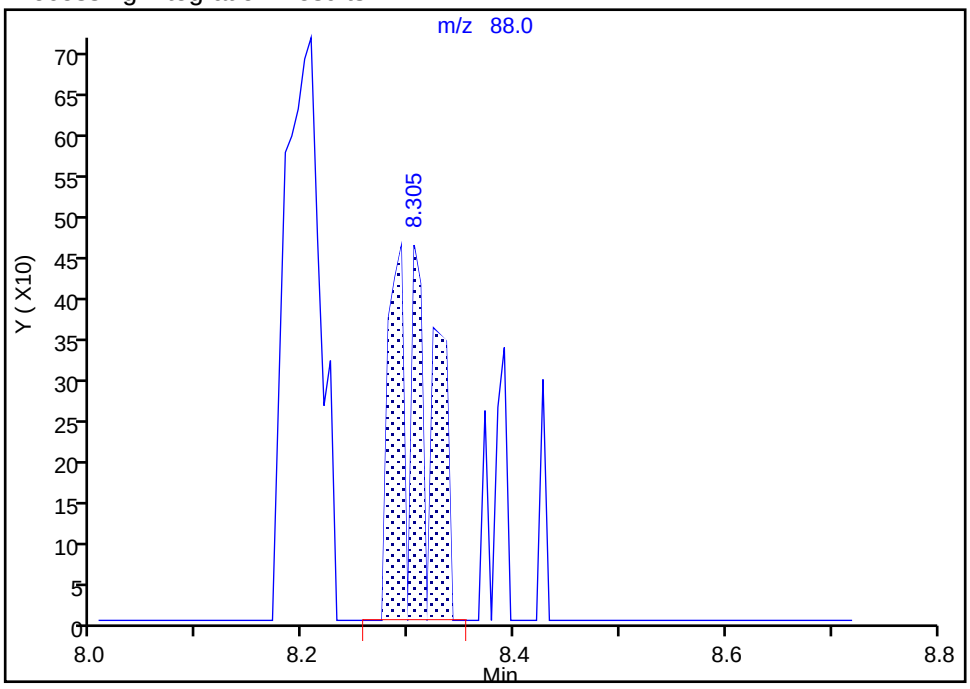
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X15.D
Injection Date: 20-Feb-2024 04:29:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

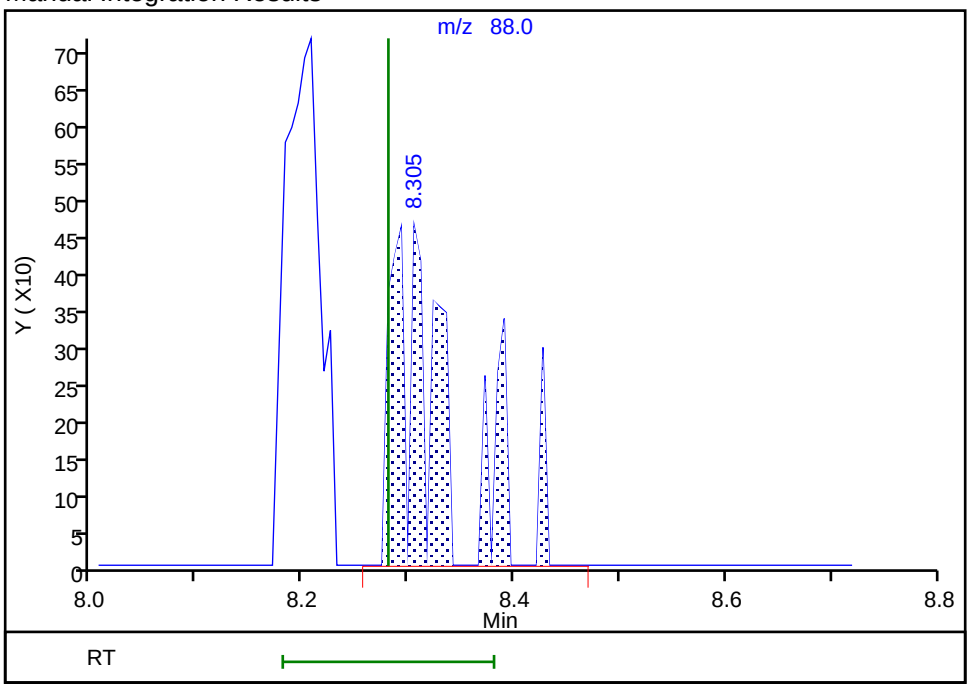
Processing Integration Results

RT: 8.30
Area: 1155
Amount: 32.489744
Amount Units: ug/l



Manual Integration Results

RT: 8.30
Area: 1574
Amount: 10.516189
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:49:33 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

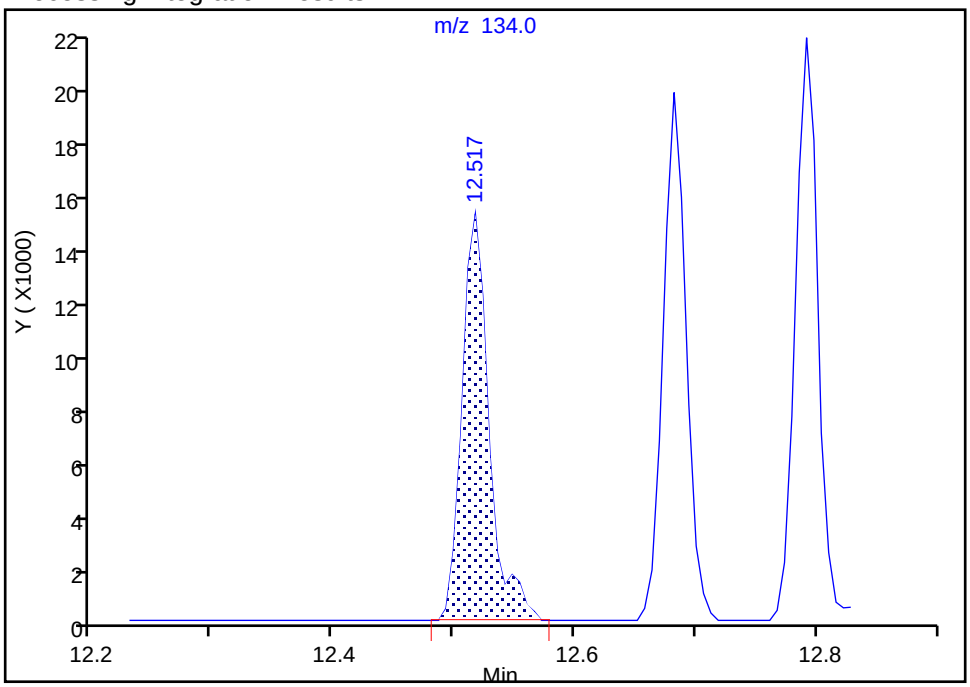
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X15.D
Injection Date: 20-Feb-2024 04:29:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

129 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

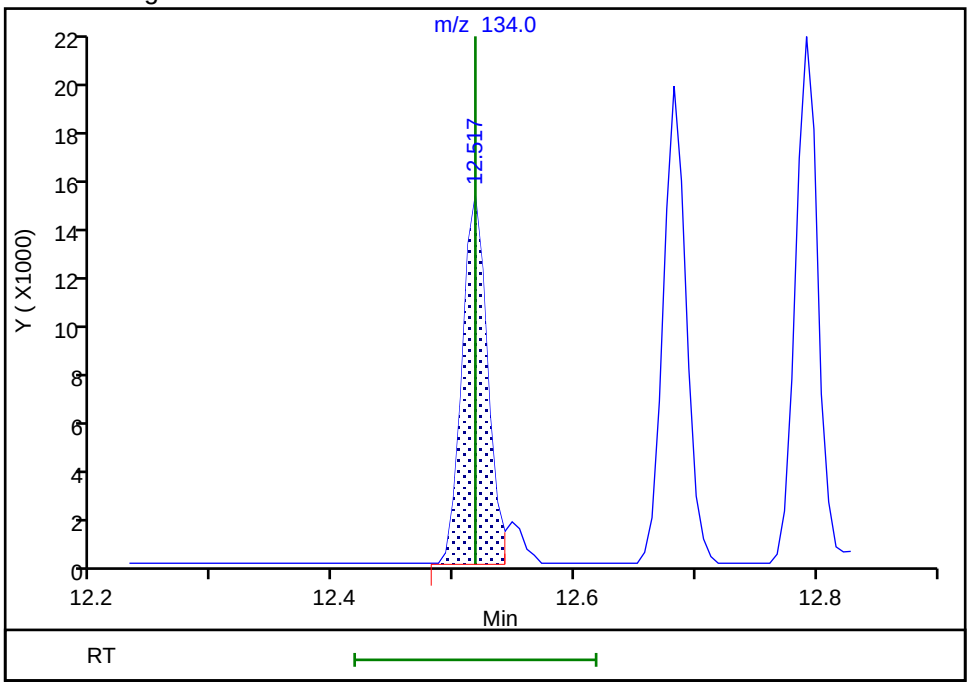
Processing Integration Results

RT: 12.52
Area: 23077
Amount: 0.474424
Amount Units: ug/l



Manual Integration Results

RT: 12.52
Area: 21630
Amount: 0.470240
Amount Units: ug/l



Reviewer: UKEK, 28-Feb-2024 09:20:05 -05:00:00 (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\19930\20240219-106711.b\IF19X16.D
Lims ID: IC std3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 20-Feb-2024 04:50:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106711-016
Misc. Info.: 1.0
Operator ID: gaw91131 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 07-Mar-2024 15:43:54 Calib Date: 20-Feb-2024 06:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X20.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1680

First Level Reviewer: DVW2 Date: 27-Feb-2024 12:52:32

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Dichlorodifluoromethane	85	1.806	1.806	0.000	99	65382	1.00	1.07	
4	Chloromethane	50	1.995	1.995	0.000	99	69714	1.00	1.03	
5	Vinyl chloride	62	2.105	2.099	0.006	94	65677	1.00	1.05	
6	Butadiene	39	2.105	2.105	0.000	90	65489	1.00	1.04	
7	Bromomethane	94	2.410	2.398	0.012	91	46143	1.00	1.05	
8	Chloroethane	64	2.471	2.471	0.000	100	37403	1.00	1.06	
9	Dichlorofluoromethane	67	2.696	2.690	0.006	97	98266	1.00	1.01	
10	Trichlorofluoromethane	101	2.757	2.757	0.000	97	74637	1.00	1.05	
11	Ethyl ether	59	2.971	2.964	0.007	91	33621	1.00	1.05	
13	1,2-Dichloro-1,1,2-trifluoroetha	67	3.068	3.056	0.012	92	59861	1.00	1.05	
14	Acrolein	56	3.129	3.123	0.006	99	227009	50.0	45.6	
15	1,1-Dichloroethene	96	3.251	3.251	0.000	98	37672	1.00	0.9886	
16	Acetone	43	3.300	3.275	0.025	95	70006	10.0	10.6	
17	1,1,2-Trichloro-1,2,2-trifluoroe	101	3.300	3.294	0.006	91	37538	1.00	0.9547	
18	Iodomethane	142	3.440	3.428	0.012	97	76130	1.00	1.00	
19	Ethyl bromide	108	3.458	3.452	0.006	97	36008	1.00	1.05	
20	Carbon disulfide	76	3.538	3.531	0.007	99	111205	1.00	0.9604	
23	Methyl acetate	43	3.702	3.666	0.036	28	18976	1.00	1.01	M
24	3-Chloro-1-propene	41	3.690	3.684	0.006	93	69890	1.00	0.9482	
25	Methylene Chloride	84	3.861	3.855	0.006	92	42300	1.00	1.00	
* 26	t-Butyl alcohol-d10 (IS)	65	3.897	3.867	0.030	98	143717	50.0	50.0	M
27	2-Methyl-2-propanol	59	4.001	3.970	0.031	93	43804	20.0	16.4	
28	Acrylonitrile	53	4.208	4.165	0.043	31	21401	2.50	2.58	M
29	Methyl tert-butyl ether	73	4.220	4.226	-0.006	94	114148	1.00	1.02	
30	trans-1,2-Dichloroethene	96	4.251	4.239	0.012	99	42390	1.00	0.9823	
31	Hexane	57	4.671	4.659	0.012	91	56143	1.00	0.9467	
32	1,1-Dichloroethane	63	4.903	4.903	0.000	96	82091	1.00	1.00	
35	Isopropyl ether	45	4.964	4.958	0.006	96	145870	1.00	1.00	
36	2-Chloro-1,3-butadiene	53	5.025	5.007	0.018	91	66596	1.00	0.9585	
37	Tert-butyl ethyl ether	59	5.507	5.507	0.000	98	133813	1.00	1.01	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 2-Butanone (MEK)	43	5.757	5.720	0.037	98	125432	10.0	10.6	
39 cis-1,2-Dichloroethene	96	5.757	5.751	0.006	81	48426	1.00	0.9802	
40 2,2-Dichloropropane	77	5.763	5.763	0.000	86	68324	1.00	0.9751	
43 Propionitrile	54	5.836	5.799	0.037	98	71990	20.0	21.6	M
45 Methacrylonitrile	67	6.031	6.019	0.012	93	117768	10.0	9.87	
46 Chlorobromomethane	128	6.092	6.080	0.012	92	19672	1.00	0.9594	
47 Tetrahydrofuran	71	6.129	6.098	0.030	60	19154	5.00	5.33	M
S 41 1,2-Dichloroethene, Total	100				0			1.96	
48 Chloroform	83	6.244	6.238	0.006	93	82132	1.00	1.00	
$ 49 Dibromofluoromethane (Surr)	113	6.458	6.458	0.000	94	362105	10.0	10.0	
50 1,1,1-Trichloroethane	97	6.464	6.464	0.000	44	69821	1.00	0.9786	
51 Cyclohexane	56	6.574	6.567	0.007	91	72984	1.00	0.9600	
53 1,1-Dichloropropene	75	6.689	6.683	0.006	95	60917	1.00	0.9740	
54 Carbon tetrachloride	117	6.683	6.683	0.000	88	60493	1.00	0.9752	
55 Isobutyl alcohol	41	6.878	6.848	0.030	92	40243	50.0	41.4	M
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.921	6.915	0.006	69	74274	10.0	9.94	
57 Benzene	78	6.952	6.952	0.000	93	183731	1.00	0.9773	
58 1,2-Dichloroethane	62	7.031	7.025	0.006	96	49167	1.00	1.01	
60 Tert-amyl methyl ether	73	7.147	7.147	0.000	98	120211	1.00	1.01	
* 61 Fluorobenzene (IS)	96	7.360	7.360	0.000	99	1504988	10.0	10.0	
62 n-Heptane	43	7.378	7.384	-0.006	39	56244	1.00	0.9218	
63 n-Butanol	56	7.823	7.750	0.073	83	48984	87.5	70.1	
64 Trichloroethene	95	7.848	7.848	0.000	98	47963	1.00	0.9756	
65 Methylcyclohexane	83	8.152	8.152	0.000	93	73444	1.00	0.9540	
66 1,2-Dichloropropane	63	8.183	8.177	0.006	95	47746	1.00	1.00	
67 Methyl methacrylate	69	8.293	8.274	0.019	85	22042	1.00	1.00	
68 1,4-Dioxane	88	8.476	8.281	0.195	28	6978	50.0	42.0	M
69 Dibromomethane	93	8.299	8.293	0.006	91	21573	1.00	0.9876	
71 Dichlorobromomethane	83	8.537	8.530	0.007	98	55153	1.00	0.9710	
72 2-Nitropropane	41	8.805	8.799	0.006	98	41005	5.00	5.25	
75 1-Bromo-2-chloroethane	63	8.933	8.927	0.006	98	48991	1.00	1.05	
76 cis-1,3-Dichloropropene	75	9.104	9.097	0.007	96	69058	1.00	0.9753	
77 4-Methyl-2-pentanone (MIBK)	43	9.280	9.280	0.000	97	315451	10.0	9.79	
$ 78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1485724	10.0	10.0	
79 Toluene	92	9.506	9.500	0.006	98	117677	1.00	0.9815	
97 trans-1,3-Dichloropropene	75	9.786	9.774	0.012	92	55871	1.00	0.9795	
99 Ethyl methacrylate	69	9.853	9.847	0.006	90	50354	1.00	1.01	
100 1,1,2-Trichloroethane	97	9.988	9.988	0.000	91	33313	1.00	1.01	
S 98 1,3-Dichloropropene, Total	100				0			1.95	
101 Tetrachloroethene	166	10.079	10.079	0.000	96	55804	1.00	0.9683	
102 1,3-Dichloropropane	76	10.158	10.152	0.006	90	55631	1.00	1.00	
103 2-Hexanone	43	10.219	10.207	0.012	96	217208	10.0	9.44	
105 Chlorodibromomethane	129	10.378	10.378	0.000	90	40647	1.00	0.9875	
106 Ethylene Dibromide	107	10.487	10.487	0.000	100	30990	1.00	1.01	
* 107 Chlorobenzene-d5 (IS)	117	10.932	10.932	0.000	85	1126973	10.0	10.0	
108 1-Chlorohexane	91	10.945	10.945	0.000	98	65906	1.00	0.9749	
109 Chlorobenzene	112	10.957	10.957	0.000	96	128906	1.00	0.9803	
111 1,1,1,2-Tetrachloroethane	131	11.042	11.042	0.000	95	46618	1.00	0.9821	
112 Ethylbenzene	91	11.048	11.048	0.000	98	230847	1.00	0.9801	
113 m-Xylene & p-Xylene	106	11.170	11.164	0.006	93	182641	2.00	1.98	
S 110 Xylenes, Total	106				0			2.97	
114 o-Xylene	106	11.499	11.499	0.000	96	90299	1.00	0.9845	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
115 Styrene	104	11.518	11.512	0.006	95	142434	1.00	0.9814	
116 Bromoform	173	11.676	11.670	0.006	97	25905	1.00	0.9729	
117 Isopropylbenzene	105	11.804	11.804	0.000	95	223978	1.00	0.99	
$ 120 4-Bromofluorobenzene (Surr)	95	11.951	11.951	0.000	95	542772	10.0	9.93	
121 1,1,2,2-Tetrachloroethane	83	12.054	12.054	0.000	93	44033	1.00	1.04	
122 Bromobenzene	156	12.066	12.066	0.000	92	56530	1.00	1.00	
123 trans-1,4-Dichloro-2-butene	53	12.079	12.079	0.000	94	112428	10.0	9.68	
124 1,2,3-Trichloropropane	110	12.097	12.097	0.000	78	11426	1.00	1.01	
125 N-Propylbenzene	91	12.133	12.133	0.000	99	272829	1.00	1.00	
126 2-Chlorotoluene	126	12.213	12.213	0.000	97	54712	1.00	0.9894	
127 1,3,5-Trimethylbenzene	105	12.274	12.274	0.000	93	198349	1.00	0.9866	
128 4-Chlorotoluene	126	12.304	12.304	0.000	98	55060	1.00	0.9830	
129 tert-Butylbenzene	134	12.517	12.518	-0.001	93	43049	1.00	0.9835	M
130 Pentachloroethane	167	12.548	12.548	0.000	80	37139	1.00	1.05	
131 1,2,4-Trimethylbenzene	105	12.560	12.560	0.000	97	197954	1.00	0.9885	
132 sec-Butylbenzene	105	12.682	12.682	0.000	94	251493	1.00	0.9819	
133 1,3-Dichlorobenzene	146	12.780	12.780	0.000	99	108053	1.00	0.9795	
134 4-Isopropyltoluene	119	12.792	12.792	0.000	97	218178	1.00	0.9816	
* 135 1,4-Dichlorobenzene-d4	152	12.835	12.835	0.000	94	647591	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.853	12.853	0.000	96	112660	1.00	1.00	
137 1,2,3-Trimethylbenzene	120	12.865	12.865	0.000	98	90381	1.00	0.99	
138 Benzyl chloride	126	12.932	12.932	0.000	98	16756	1.00	0.9798	
139 n-Butylbenzene	92	13.084	13.084	0.000	97	103649	1.00	0.9799	M
140 1,2-Dichlorobenzene	146	13.115	13.109	0.006	99	103329	1.00	1.00	
142 1,2-Dibromo-3-Chloropropane	155	13.658	13.658	0.000	87	7073	1.00	1.06	
143 1,3,5-Trichlorobenzene	180	13.786	13.786	0.000	98	78408	1.00	0.9702	
144 1,2,4-Trichlorobenzene	180	14.206	14.206	0.000	94	64691	1.00	0.9618	
145 Hexachlorobutadiene	225	14.292	14.292	0.000	95	30134	1.00	0.9613	
146 Naphthalene	128	14.389	14.383	0.006	97	130740	1.00	1.03	
147 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	96	56181	1.00	1.00	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00117	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00127	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00194	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00012	Amount Added:	5.00	Units: uL	Run Reagent

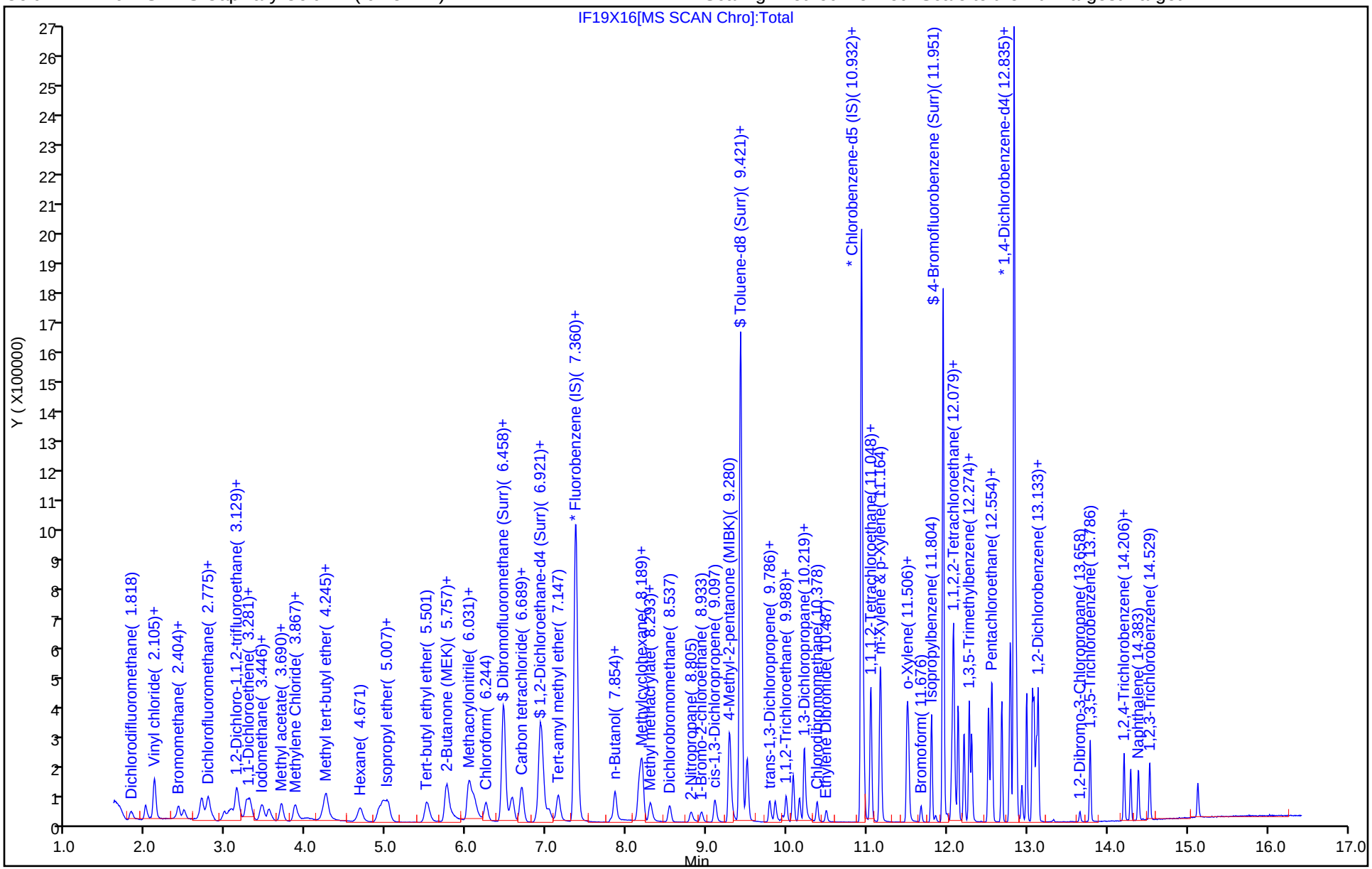
Report Date: 07-Mar-2024 15:43:55 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X16.D

Injection Date:	20-Feb-2024 04:50:30	Instrument ID:	19930	Operator ID:	gaw91131
Lims ID:	IC std3			Worklist Smp#:	16
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

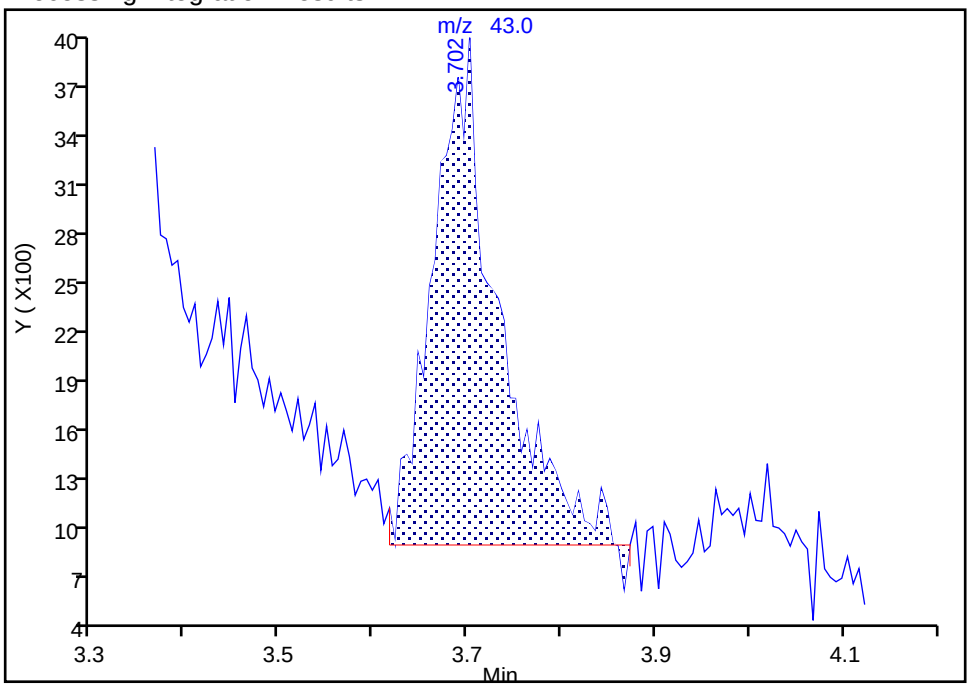
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X16.D
Injection Date: 20-Feb-2024 04:50:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

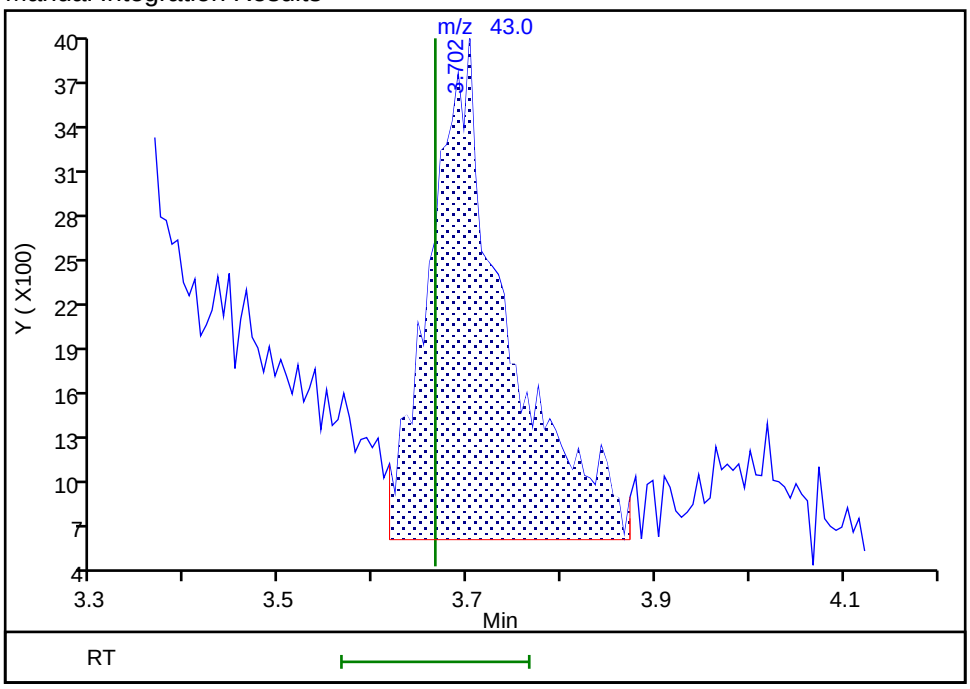
Processing Integration Results

RT: 3.70
Area: 14572
Amount: 0.729721
Amount Units: ug/l



Manual Integration Results

RT: 3.70
Area: 18976
Amount: 1.007666
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:50:59 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

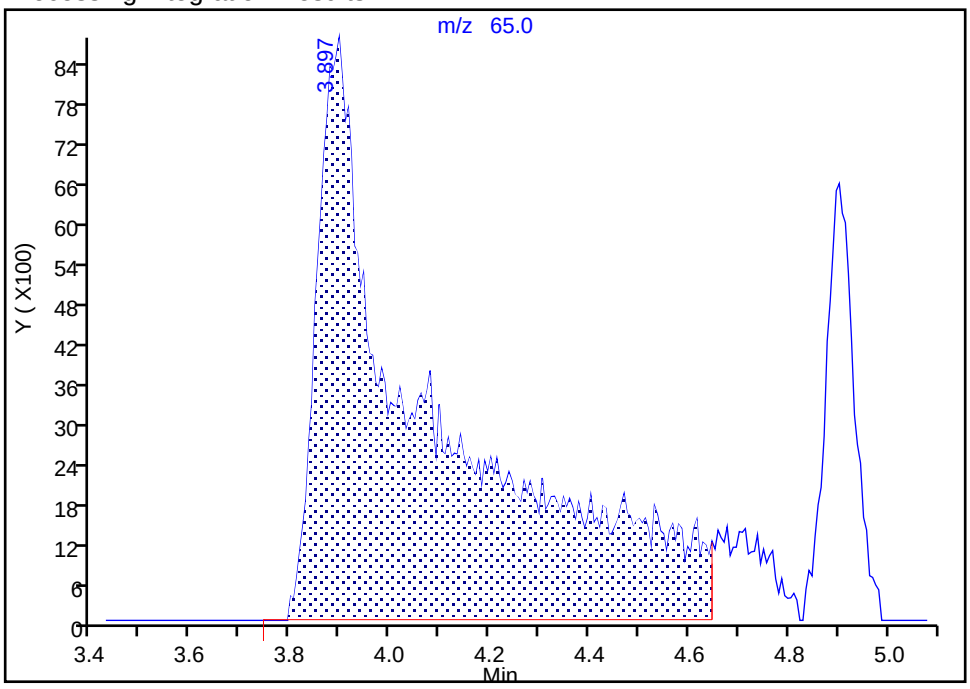
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X16.D
Injection Date: 20-Feb-2024 04:50:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

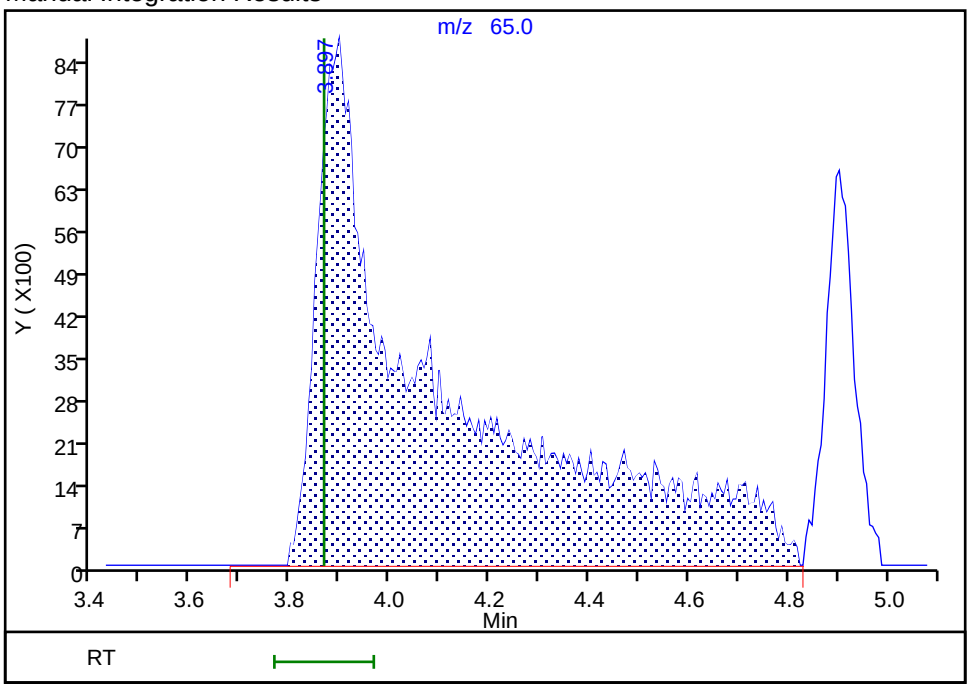
Processing Integration Results

RT: 3.90
Area: 134241
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.90
Area: 143717
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:51:14 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

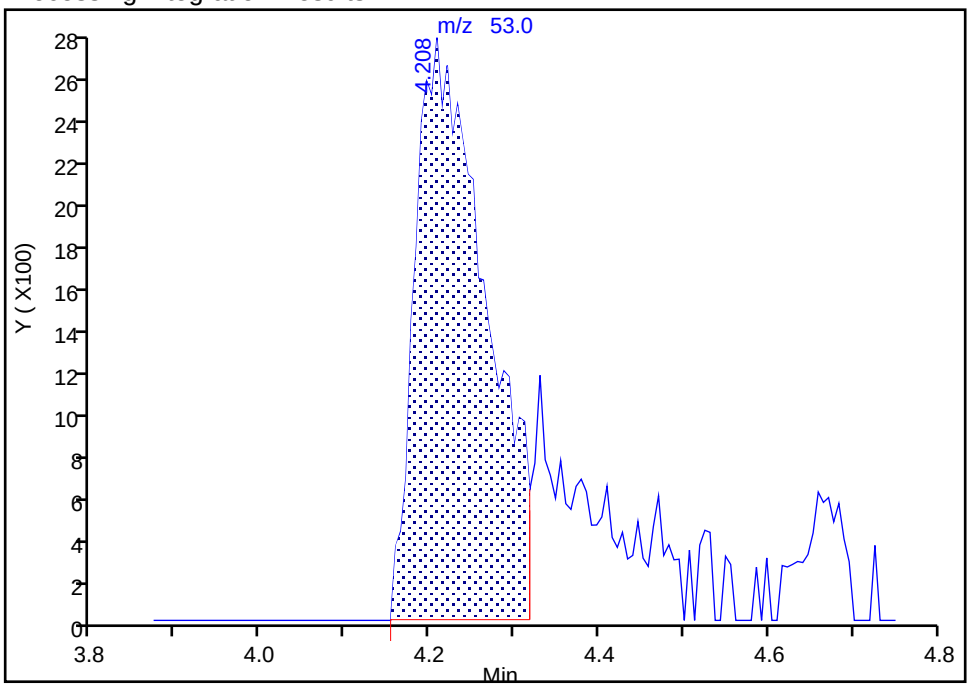
Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X16.D				
Injection Date:	20-Feb-2024 04:50:30	Instrument ID:	19930		
Lims ID:	IC std3				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

28 Acrylonitrile, CAS: 107-13-1

Signal: 1

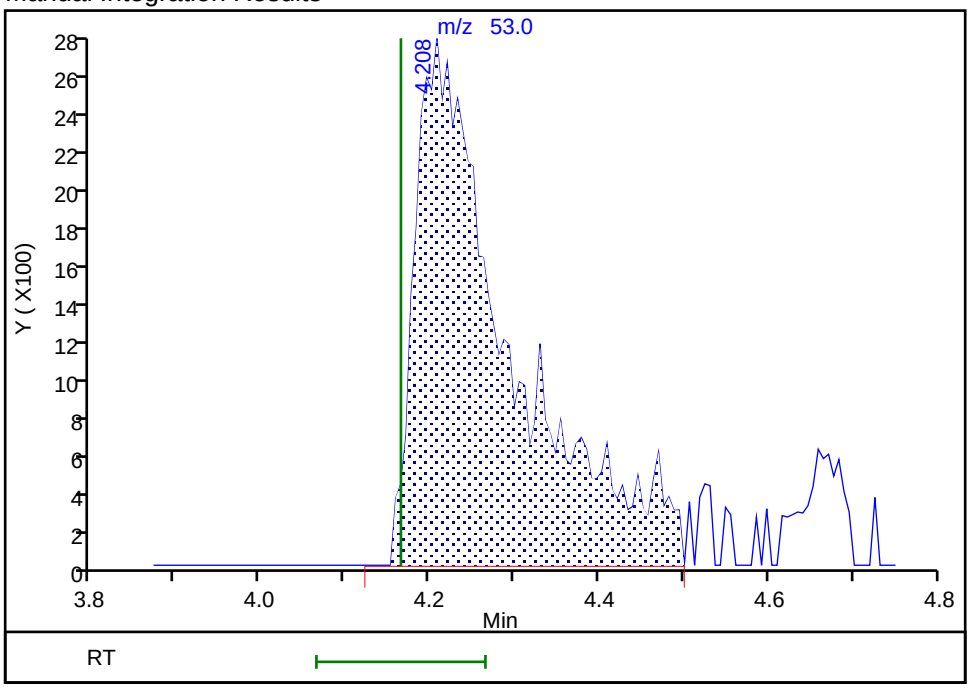
Processing Integration Results

RT: 4.21
Area: 16000
Amount: 2.214703
Amount Units: ug/l



Manual Integration Results

RT: 4.21
Area: 21401
Amount: 2.578613
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:51:26 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

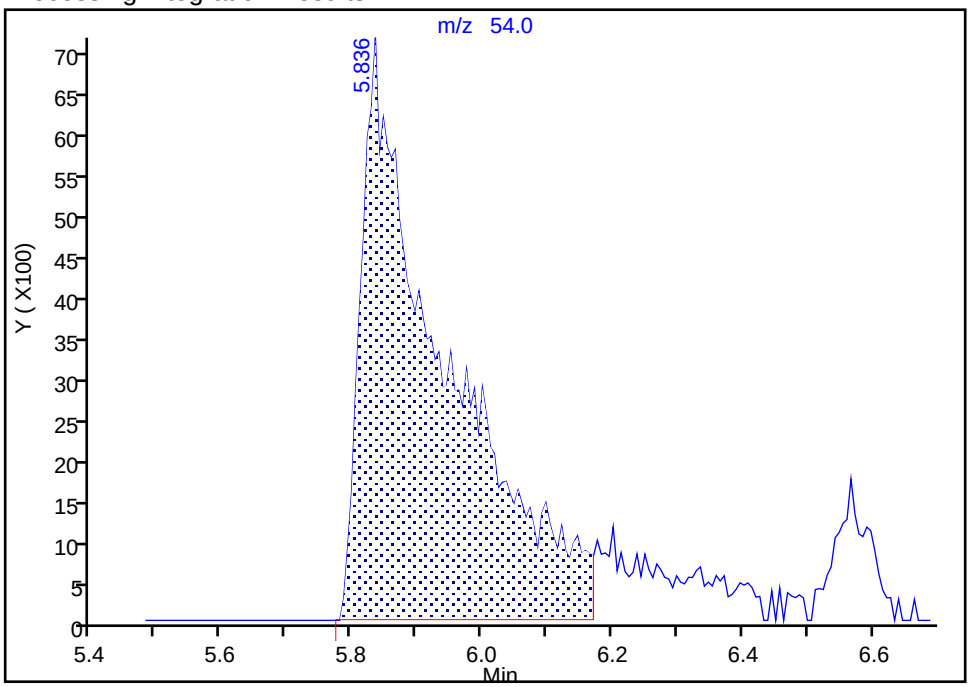
Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X16.D				
Injection Date:	20-Feb-2024 04:50:30	Instrument ID:	19930		
Lims ID:	IC std3				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

43 Propionitrile, CAS: 107-12-0

Signal: 1

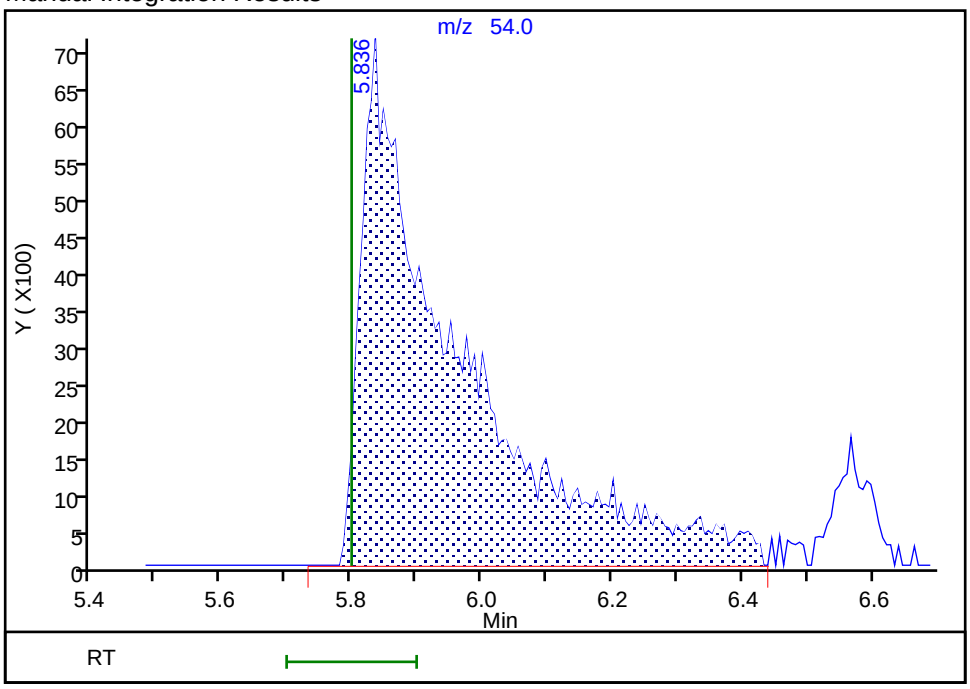
Processing Integration Results

RT: 5.84
Area: 63252
Amount: 20.010191
Amount Units: ug/l



Manual Integration Results

RT: 5.84
Area: 71990
Amount: 21.595580
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:51:42 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

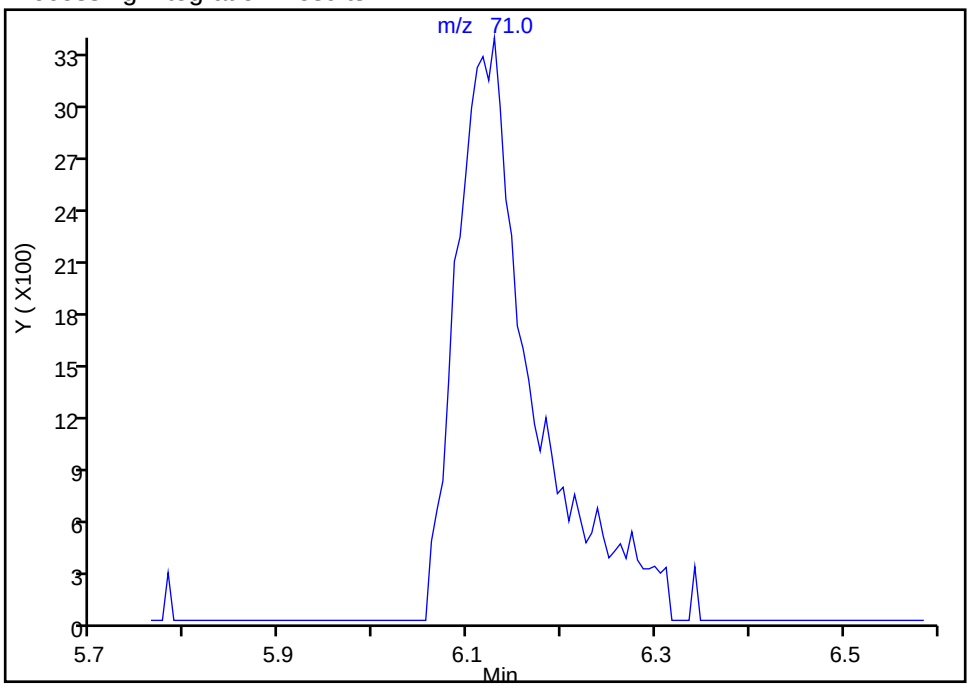
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X16.D
Injection Date: 20-Feb-2024 04:50:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

47 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

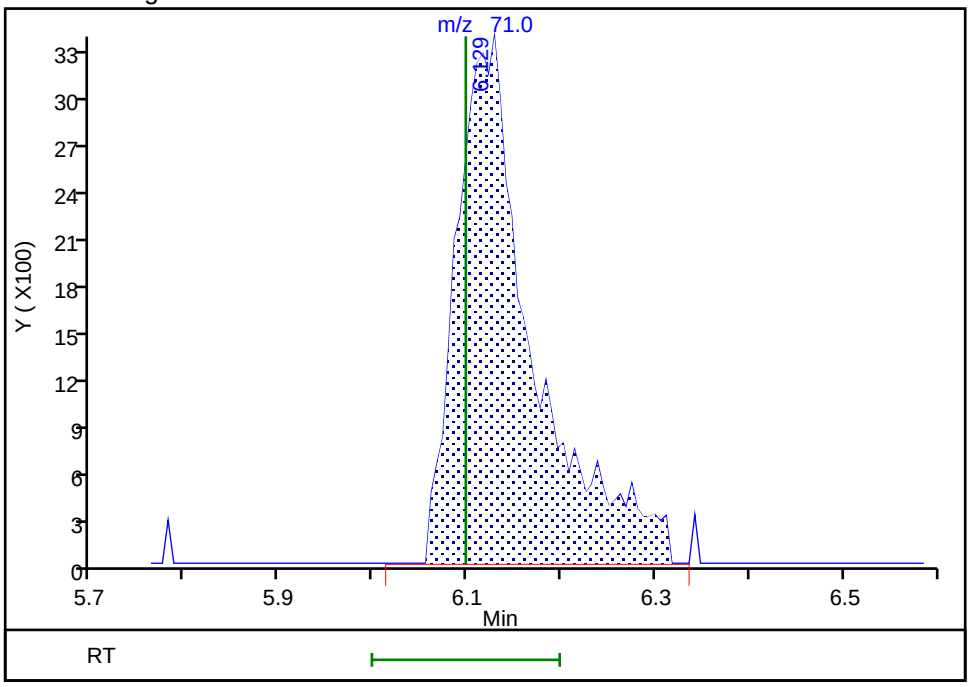
Not Detected
Expected RT: 6.10

Processing Integration Results



Manual Integration Results

RT: 6.13
Area: 19154
Amount: 5.327834
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:51:47 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

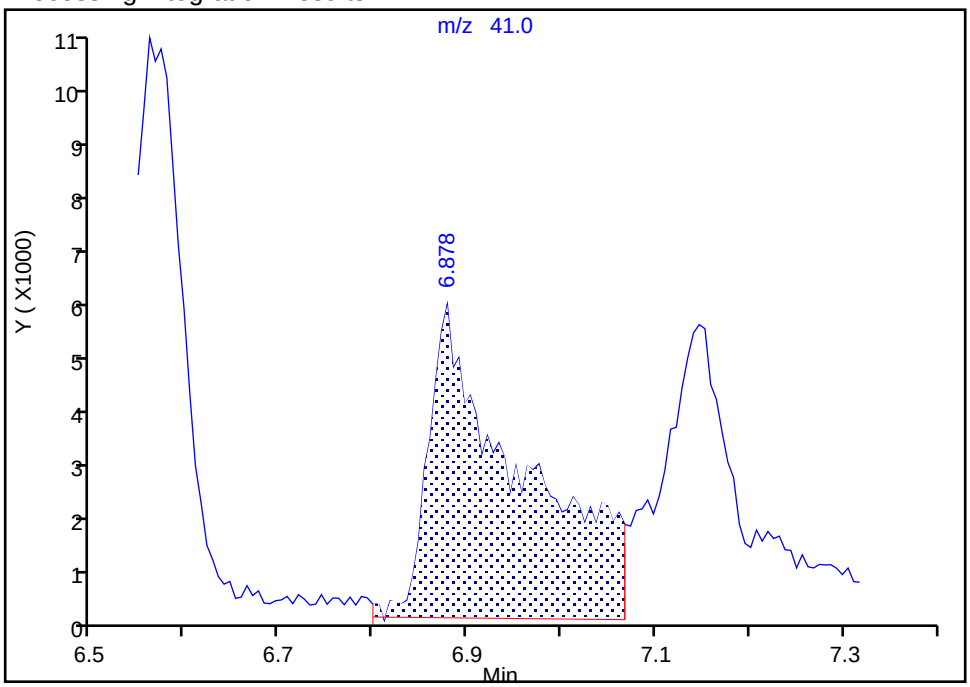
Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X16.D				
Injection Date:	20-Feb-2024 04:50:30	Instrument ID:	19930		
Lims ID:	IC std3				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

55 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

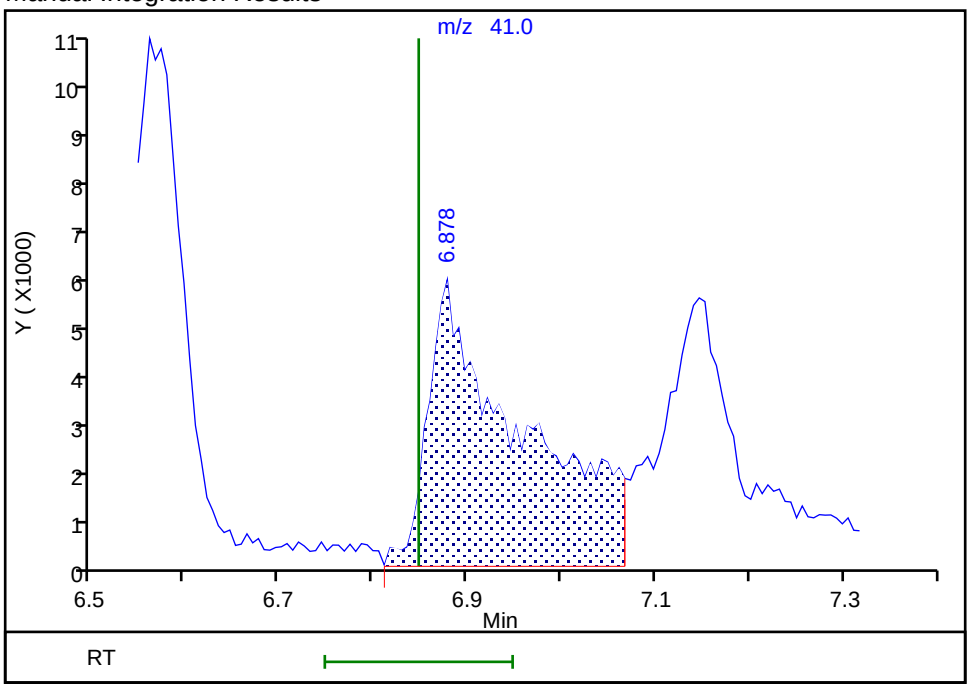
Processing Integration Results

RT: 6.88
Area: 39955
Amount: 41.119616
Amount Units: ug/l



Manual Integration Results

RT: 6.88
Area: 40243
Amount: 41.380968
Amount Units: ug/l



Reviewer: UKEK, 28-Feb-2024 09:17:53 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

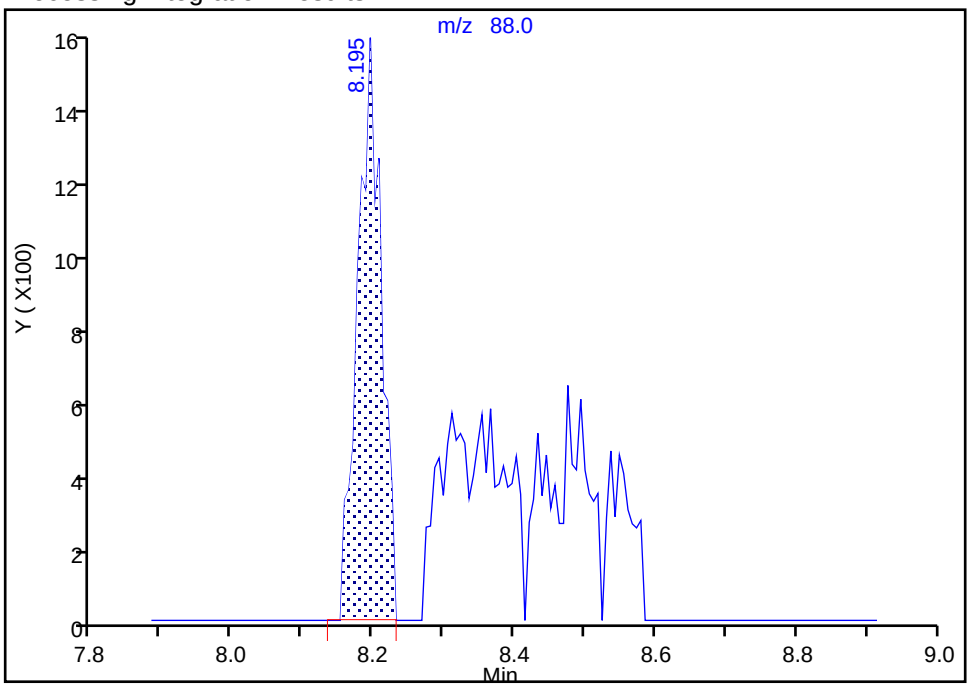
Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X16.D				
Injection Date:	20-Feb-2024 04:50:30	Instrument ID:	19930		
Lims ID:	IC std3				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

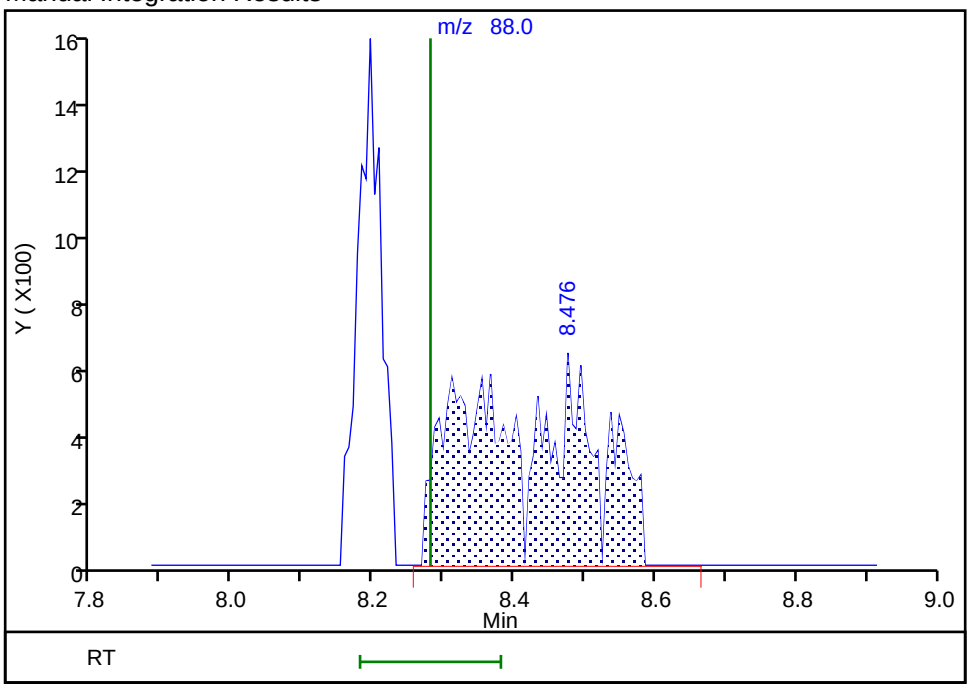
Processing Integration Results

RT: 8.20
Area: 3638
Amount: 44.046929
Amount Units: ug/l



Manual Integration Results

RT: 8.48
Area: 6978
Amount: 41.962014
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:52:12 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

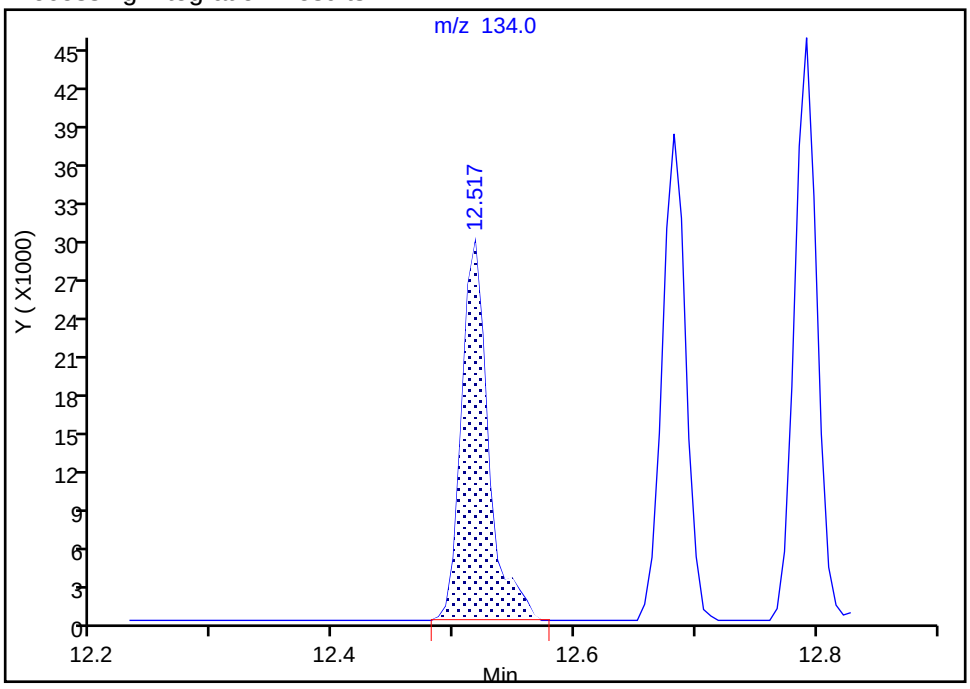
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X16.D
Injection Date: 20-Feb-2024 04:50:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

129 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

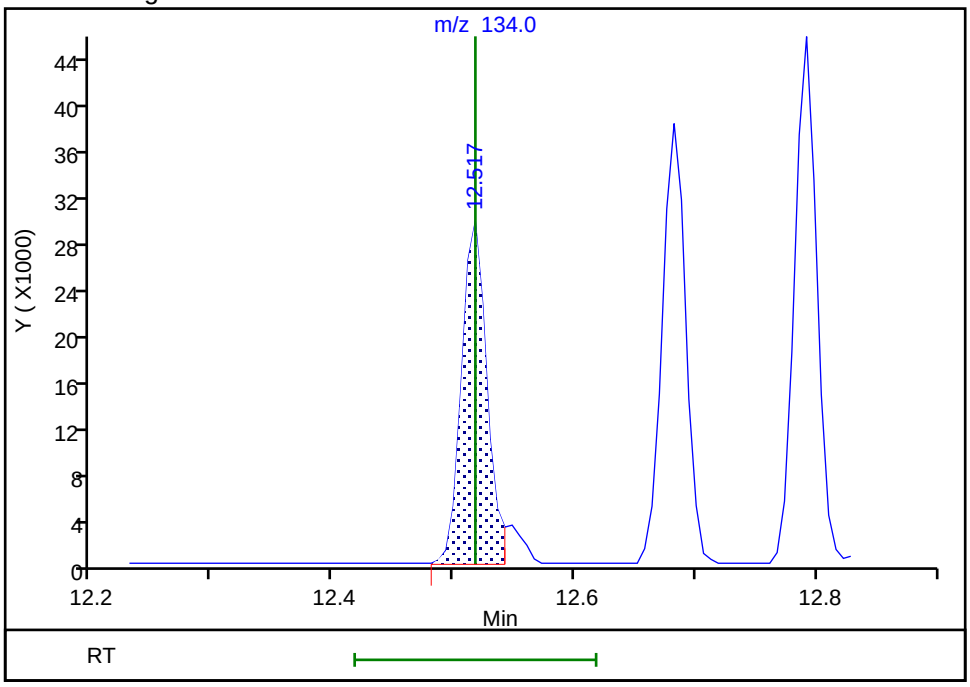
Processing Integration Results

RT: 12.52
Area: 45822
Amount: 0.981573
Amount Units: ug/l



Manual Integration Results

RT: 12.52
Area: 43049
Amount: 0.983532
Amount Units: ug/l



Reviewer: UKEK, 28-Feb-2024 09:18:58 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

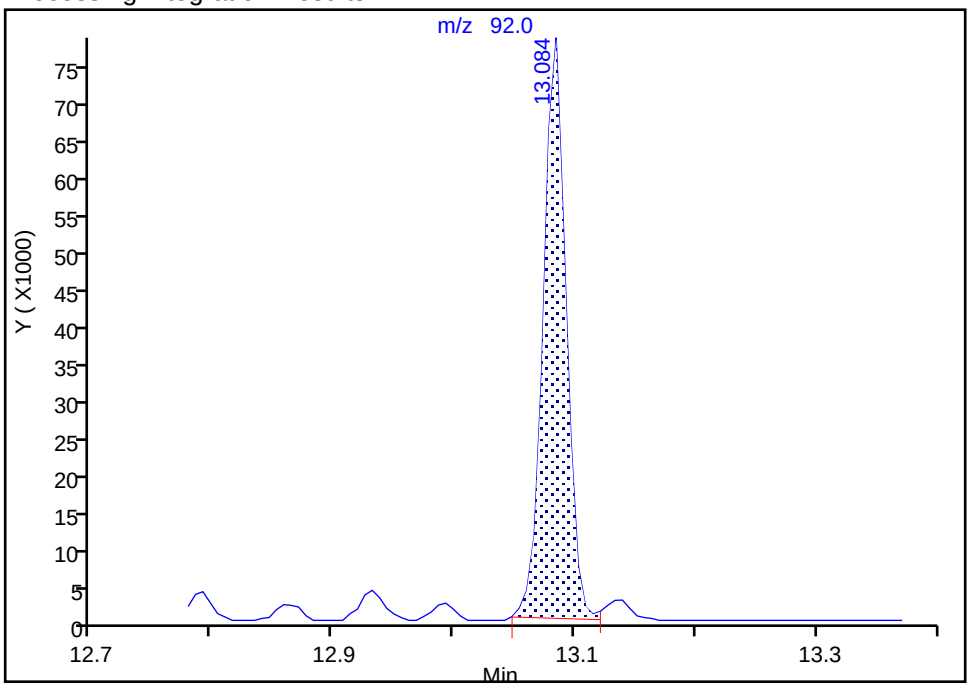
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X16.D
Injection Date: 20-Feb-2024 04:50:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

139 n-Butylbenzene, CAS: 104-51-8

Signal: 1

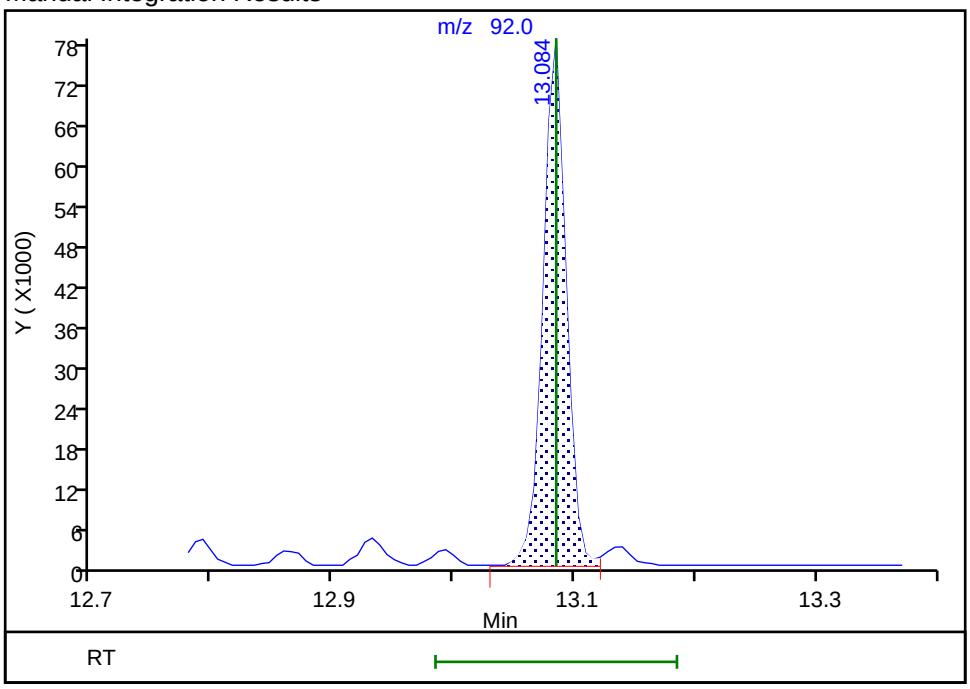
Processing Integration Results

RT: 13.08
Area: 101934
Amount: 0.965883
Amount Units: ug/l



Manual Integration Results

RT: 13.08
Area: 103649
Amount: 0.979859
Amount Units: ug/l



Reviewer: UKEK, 28-Feb-2024 09:19:28 -05:00:00 (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\19930\20240219-106711.b\IF19X17.D
Lims ID: IC std4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 20-Feb-2024 05:11:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106711-017
Misc. Info.: 2.0
Operator ID: gaw91131 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 07-Mar-2024 15:44:00 Calib Date: 20-Feb-2024 06:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X20.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1680

First Level Reviewer: DVW2 Date: 27-Feb-2024 12:54:33

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Dichlorodifluoromethane	85	1.825	1.806	0.018	99	125793	2.00	1.98	
4	Chloromethane	50	2.007	1.995	0.012	99	137572	2.00	1.96	
5	Vinyl chloride	62	2.117	2.099	0.018	94	130863	2.00	2.01	
6	Butadiene	39	2.117	2.105	0.012	92	130386	2.00	1.99	
7	Bromomethane	94	2.410	2.398	0.012	89	90324	2.00	1.97	
8	Chloroethane	64	2.489	2.471	0.018	100	72458	2.00	1.96	
9	Dichlorofluoromethane	67	2.702	2.690	0.012	97	191424	2.00	1.90	
10	Trichlorofluoromethane	101	2.769	2.757	0.012	98	147931	2.00	2.00	
11	Ethyl ether	59	2.983	2.964	0.019	92	62286	2.00	1.87	
13	1,2-Dichloro-1,1,2-trifluoroetha	67	3.068	3.056	0.012	92	113747	2.00	1.92	
14	Acrolein	56	3.135	3.123	0.012	99	448661	100.0	84.6	
15	1,1-Dichloroethene	96	3.263	3.251	0.012	97	74562	2.00	1.88	
16	Acetone	43	3.300	3.275	0.025	100	115328	20.0	16.5	
17	1,1,2-Trichloro-1,2,2-trifluoroe	101	3.306	3.294	0.012	92	78591	2.00	1.92	
18	Iodomethane	142	3.440	3.428	0.012	98	152102	2.00	1.93	
19	Ethyl bromide	108	3.471	3.452	0.019	99	64547	2.00	1.80	
20	Carbon disulfide	76	3.550	3.531	0.019	99	221264	2.00	1.84	
23	Methyl acetate	43	3.690	3.666	0.024	28	40523	2.00	2.02	M
24	3-Chloro-1-propene	41	3.696	3.684	0.012	92	138985	2.00	1.81	
25	Methylene Chloride	84	3.861	3.855	0.006	94	84215	2.00	1.92	
* 26	t-Butyl alcohol-d10 (IS)	65	3.879	3.867	0.012	99	153049	50.0	50.0	M
27	2-Methyl-2-propanol	59	3.995	3.970	0.025	99	92623	40.0	32.6	
28	Acrylonitrile	53	4.196	4.165	0.031	99	39330	5.00	4.45	
29	Methyl tert-butyl ether	73	4.239	4.226	0.013	90	220598	2.00	1.89	
30	trans-1,2-Dichloroethene	96	4.263	4.239	0.024	99	85664	2.00	1.91	
31	Hexane	57	4.678	4.659	0.019	93	117782	2.00	1.91	
32	1,1-Dichloroethane	63	4.909	4.903	0.006	96	165270	2.00	1.93	
35	Isopropyl ether	45	4.982	4.958	0.024	95	289275	2.00	1.91	
36	2-Chloro-1,3-butadiene	53	5.031	5.007	0.024	91	137481	2.00	1.90	
37	Tert-butyl ethyl ether	59	5.507	5.507	0.000	98	263185	2.00	1.91	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 2-Butanone (MEK)	43	5.738	5.720	0.018	100	206859	20.0	16.5	
39 cis-1,2-Dichloroethene	96	5.763	5.751	0.012	82	95479	2.00	1.86	
40 2,2-Dichloropropane	77	5.769	5.763	0.006	79	136867	2.00	1.88	
43 Propionitrile	54	5.824	5.799	0.025	99	144651	40.0	40.7	M
45 Methacrylonitrile	67	6.031	6.019	0.012	92	218381	20.0	17.2	
46 Chlorobromomethane	128	6.092	6.080	0.012	92	42456	2.00	1.99	
47 Tetrahydrofuran	71	6.116	6.098	0.018	68	33263	10.0	8.69	
S 41 1,2-Dichloroethene, Total	100				0			3.76	
48 Chloroform	83	6.250	6.238	0.012	94	158975	2.00	1.86	
$ 49 Dibromofluoromethane (Surr)	113	6.464	6.458	0.006	94	375914	10.0	9.97	
50 1,1,1-Trichloroethane	97	6.470	6.464	0.006	98	139479	2.00	1.88	
51 Cyclohexane	56	6.574	6.567	0.007	90	151085	2.00	1.91	
53 1,1-Dichloropropene	75	6.696	6.683	0.013	97	123130	2.00	1.89	
54 Carbon tetrachloride	117	6.689	6.683	0.006	96	124045	2.00	1.92	
55 Isobutyl alcohol	41	6.860	6.848	0.012	93	85588	100.0	82.6	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.927	6.915	0.012	85	77970	10.0	10.0	
57 Benzene	78	6.958	6.952	0.006	96	374094	2.00	1.91	
58 1,2-Dichloroethane	62	7.031	7.025	0.006	98	95213	2.00	1.87	
60 Tert-amyl methyl ether	73	7.153	7.147	0.006	98	232702	2.00	1.88	
* 61 Fluorobenzene (IS)	96	7.366	7.360	0.006	99	1566550	10.0	10.0	
62 n-Heptane	43	7.384	7.384	0.000	93	117218	2.00	1.85	
63 n-Butanol	56	7.775	7.750	0.025	90	124582	175.0	148.6	
64 Trichloroethene	95	7.854	7.848	0.006	98	96181	2.00	1.88	
65 Methylcyclohexane	83	8.159	8.152	0.007	93	152942	2.00	1.91	
66 1,2-Dichloropropane	63	8.189	8.177	0.012	96	96194	2.00	1.94	
67 Methyl methacrylate	69	8.287	8.274	0.013	94	45443	2.00	1.94	
68 1,4-Dioxane	88	8.287	8.281	0.006	31	16580	100.0	93.6	
69 Dibromomethane	93	8.299	8.293	0.006	94	43623	2.00	1.92	
71 Dichlorobromomethane	83	8.537	8.530	0.007	99	113070	2.00	1.91	
72 2-Nitropropane	41	8.805	8.799	0.006	98	63062	10.0	7.58	
75 1-Bromo-2-chloroethane	63	8.933	8.927	0.006	99	92056	2.00	1.89	
76 cis-1,3-Dichloropropene	75	9.097	9.097	0.000	96	140568	2.00	1.91	
77 4-Methyl-2-pentanone (MIBK)	43	9.280	9.280	0.000	97	637229	20.0	18.6	
$ 78 Toluene-d8 (Surr)	98	9.427	9.421	0.006	93	1559338	10.0	10.0	
79 Toluene	92	9.506	9.500	0.006	98	241040	2.00	1.92	
97 trans-1,3-Dichloropropene	75	9.780	9.774	0.006	92	116128	2.00	1.94	
99 Ethyl methacrylate	69	9.853	9.847	0.006	89	102588	2.00	1.96	
100 1,1,2-Trichloroethane	97	9.988	9.988	0.000	90	68041	2.00	1.96	
S 98 1,3-Dichloropropene, Total	100				0			3.85	
101 Tetrachloroethene	166	10.079	10.079	0.000	97	114397	2.00	1.89	
102 1,3-Dichloropropane	76	10.158	10.152	0.006	91	112117	2.00	1.92	
103 2-Hexanone	43	10.213	10.207	0.006	97	445945	20.0	18.2	
105 Chlorodibromomethane	129	10.378	10.378	0.000	90	83116	2.00	1.92	
106 Ethylene Dibromide	107	10.487	10.487	0.000	97	62075	2.00	1.92	
* 107 Chlorobenzene-d5 (IS)	117	10.932	10.932	0.000	86	1182736	10.0	10.0	
108 1-Chlorohexane	91	10.945	10.945	0.000	98	130693	2.00	1.84	
109 Chlorobenzene	112	10.957	10.957	0.000	96	265406	2.00	1.92	
111 1,1,1,2-Tetrachloroethane	131	11.042	11.042	0.000	96	95666	2.00	1.92	
112 Ethylbenzene	91	11.048	11.048	0.000	98	468269	2.00	1.89	
113 m-Xylene & p-Xylene	106	11.164	11.164	0.000	93	372249	4.00	3.85	
S 110 Xylenes, Total	106				0			5.78	
114 o-Xylene	106	11.499	11.499	0.000	96	185448	2.00	1.93	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
115 Styrene	104	11.518	11.512	0.006	95	291968	2.00	1.92	
116 Bromoform	173	11.670	11.670	0.000	98	53094	2.00	1.90	
117 Isopropylbenzene	105	11.804	11.804	0.000	96	451445	2.00	1.91	
$ 120 4-Bromofluorobenzene (Surr)	95	11.951	11.951	0.000	94	575739	10.0	10.0	
121 1,1,2,2-Tetrachloroethane	83	12.054	12.054	0.000	92	87205	2.00	1.98	
122 Bromobenzene	156	12.066	12.066	0.000	94	115505	2.00	1.96	
123 trans-1,4-Dichloro-2-butene	53	12.079	12.079	0.000	94	226204	20.0	18.3	
124 1,2,3-Trichloropropane	110	12.097	12.097	0.000	79	23078	2.00	1.96	
125 N-Propylbenzene	91	12.140	12.133	0.007	99	548631	2.00	1.92	
126 2-Chlorotoluene	126	12.213	12.213	0.000	97	112527	2.00	1.95	
127 1,3,5-Trimethylbenzene	105	12.274	12.274	0.000	94	400133	2.00	1.91	
128 4-Chlorotoluene	126	12.304	12.304	0.000	97	112711	2.00	1.93	
129 tert-Butylbenzene	134	12.518	12.518	0.000	93	87096	2.00	1.91	M
130 Pentachloroethane	167	12.548	12.548	0.000	93	68321	2.00	1.86	
131 1,2,4-Trimethylbenzene	105	12.560	12.560	0.000	97	404250	2.00	1.93	
132 sec-Butylbenzene	105	12.682	12.682	0.000	94	509222	2.00	1.90	
133 1,3-Dichlorobenzene	146	12.780	12.780	0.000	98	221215	2.00	1.92	
134 4-Isopropyltoluene	119	12.792	12.792	0.000	97	443667	2.00	1.91	
* 135 1,4-Dichlorobenzene-d4	152	12.835	12.835	0.001	94	676316	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.853	12.853	0.000	97	227628	2.00	1.93	
137 1,2,3-Trimethylbenzene	120	12.865	12.865	0.000	98	181050	2.00	1.91	
138 Benzyl chloride	126	12.932	12.932	0.000	98	35841	2.00	2.01	
139 n-Butylbenzene	92	13.085	13.084	0.000	97	206965	2.00	1.87	
140 1,2-Dichlorobenzene	146	13.115	13.109	0.006	99	208935	2.00	1.94	
142 1,2-Dibromo-3-Chloropropane	155	13.658	13.658	0.000	87	14196	2.00	2.03	
143 1,3,5-Trichlorobenzene	180	13.786	13.786	0.000	98	162040	2.00	1.92	
144 1,2,4-Trichlorobenzene	180	14.206	14.206	0.000	93	136494	2.00	1.94	
145 Hexachlorobutadiene	225	14.292	14.292	0.000	94	62304	2.00	1.90	
146 Naphthalene	128	14.383	14.383	0.000	97	261822	2.00	1.97	
147 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	96	112724	2.00	1.92	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00117	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00127	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00194	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00012	Amount Added:	5.00	Units: uL	Run Reagent

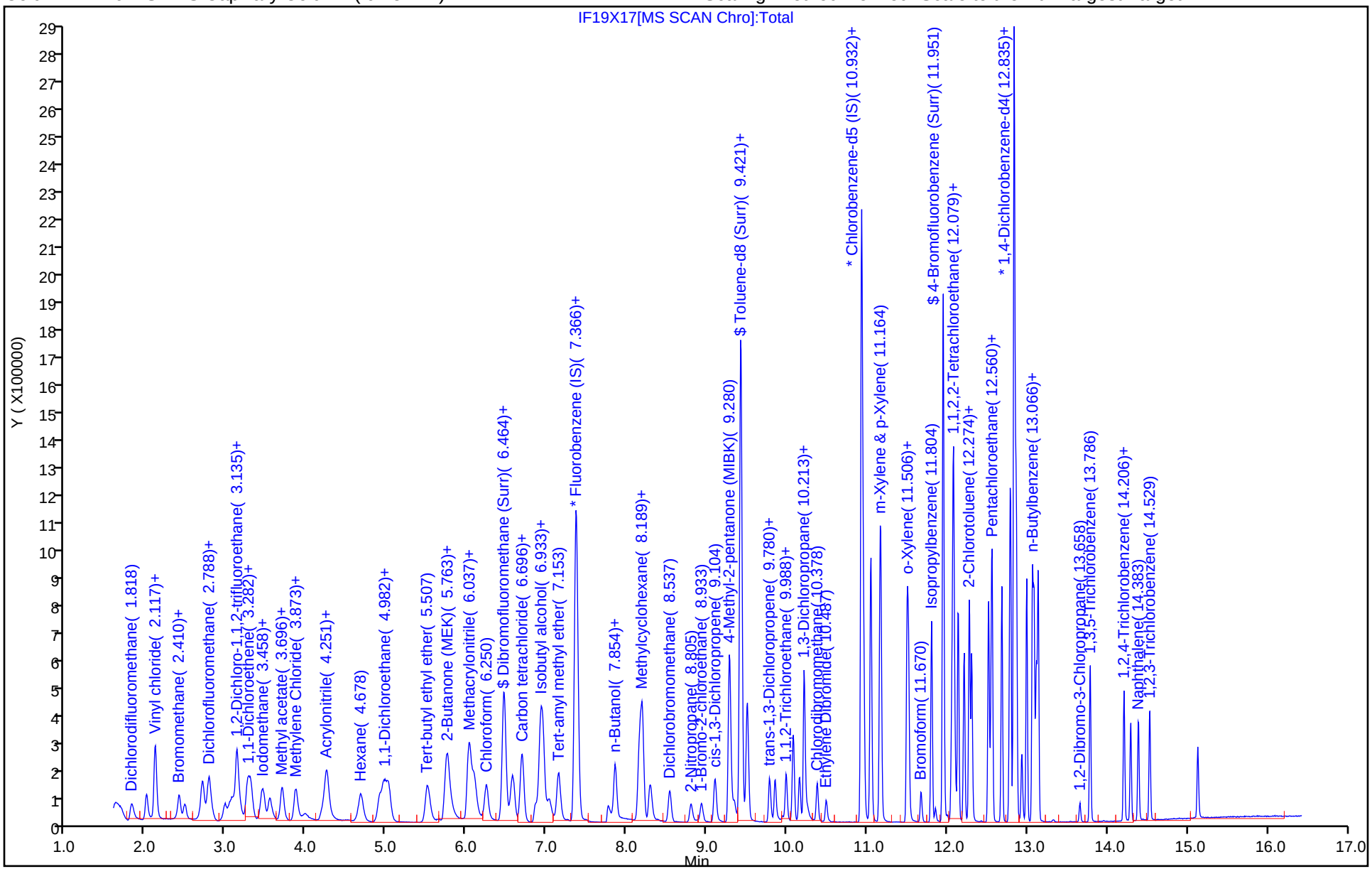
Report Date: 07-Mar-2024 15:44:01 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X17.D

Injection Date:	20-Feb-2024 05:11:30	Instrument ID:	19930	Operator ID:	gaw91131
Lims ID:	IC std4			Worklist Smp#:	17
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

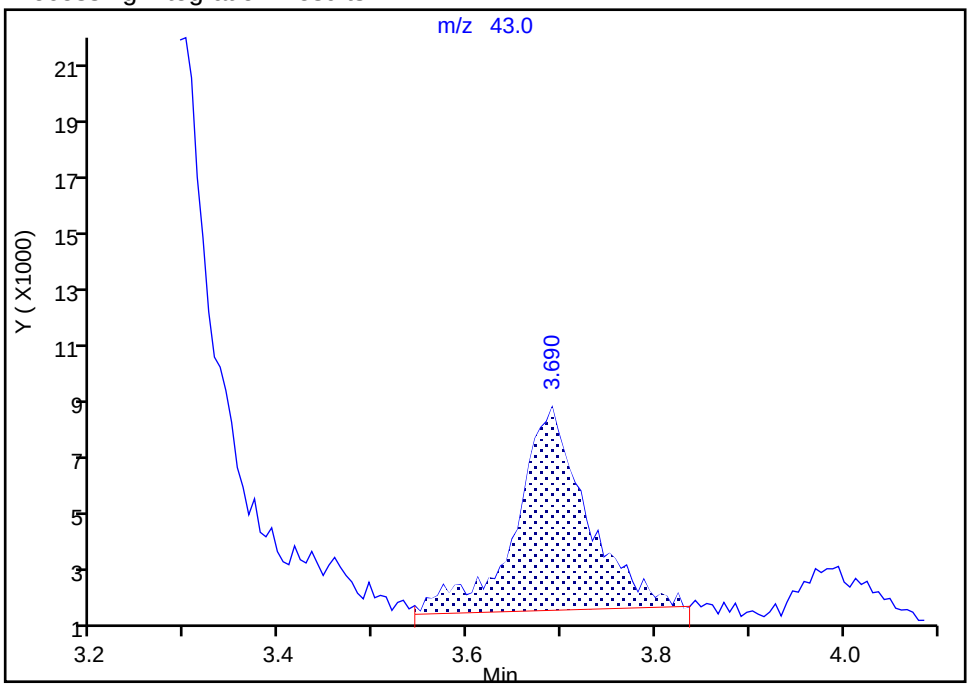
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X17.D
Injection Date: 20-Feb-2024 05:11:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

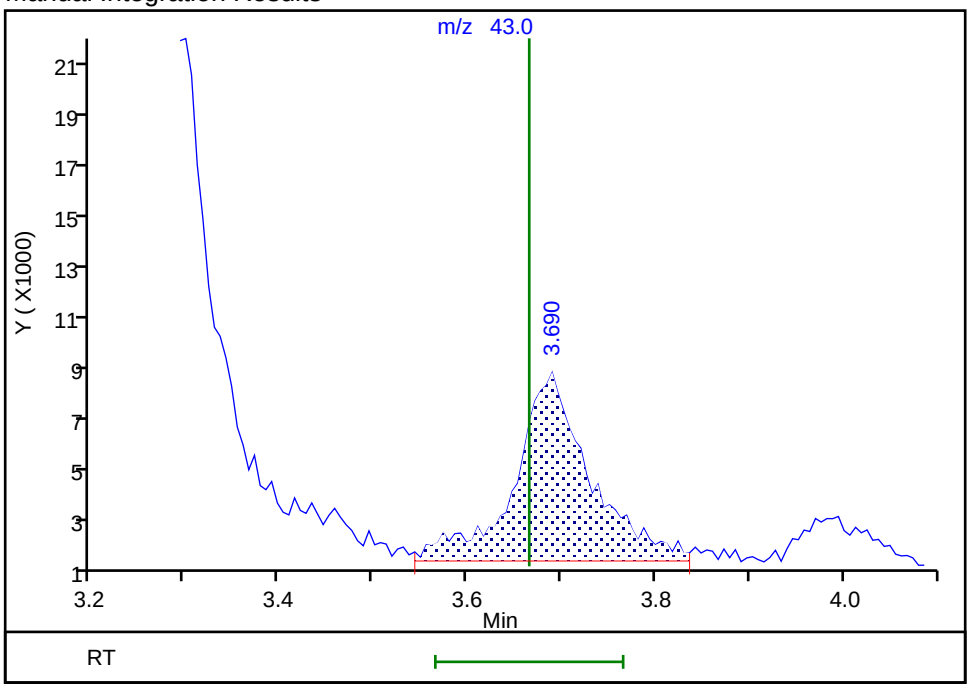
Processing Integration Results

RT: 3.69
Area: 36733
Amount: 1.621019
Amount Units: ug/l



Manual Integration Results

RT: 3.69
Area: 40523
Amount: 2.020650
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:53:11 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

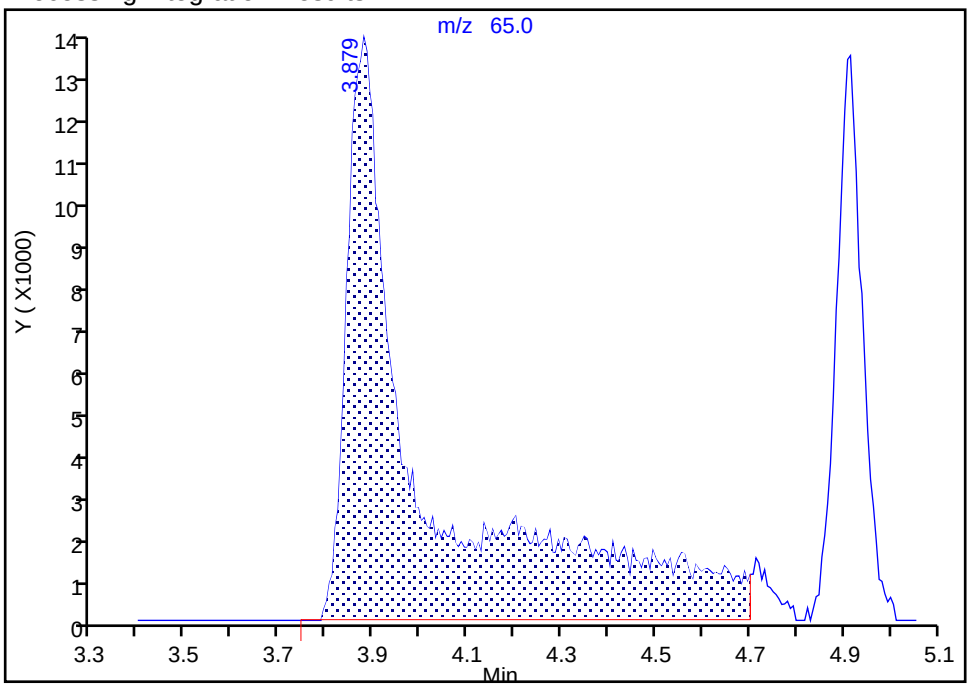
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X17.D
Injection Date: 20-Feb-2024 05:11:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

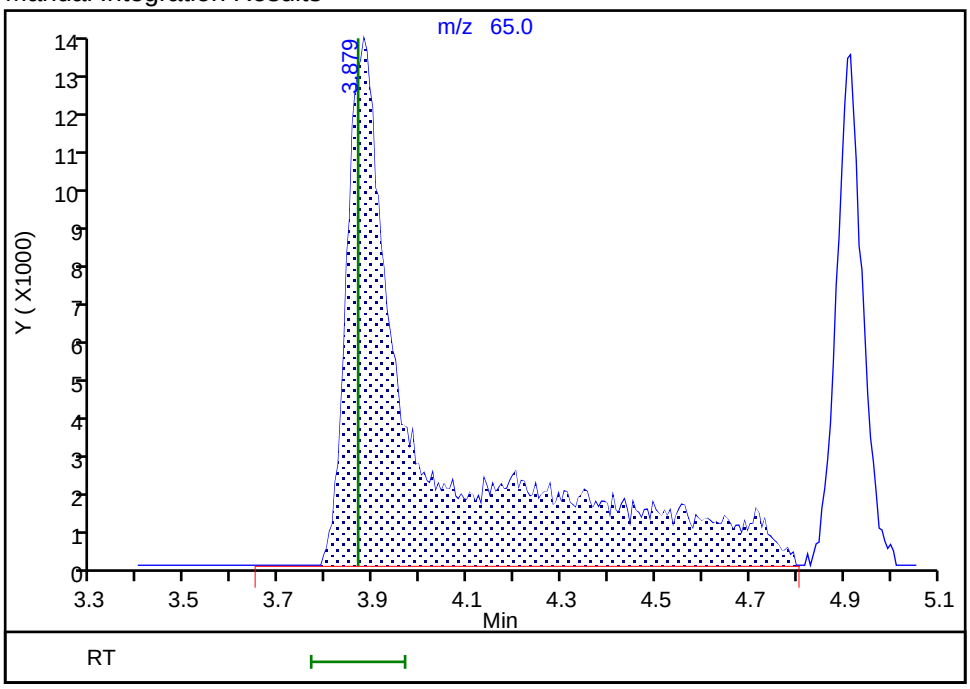
Processing Integration Results

RT: 3.88
Area: 148972
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.88
Area: 153049
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:53:19 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

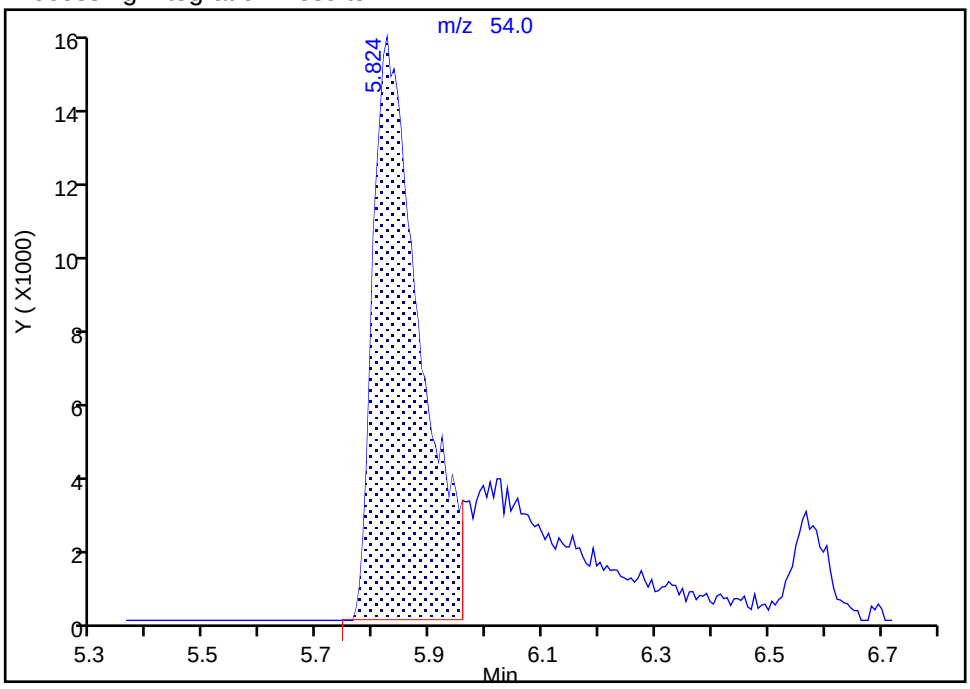
Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X17.D				
Injection Date:	20-Feb-2024 05:11:30	Instrument ID:	19930		
Lims ID:	IC std4				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

43 Propionitrile, CAS: 107-12-0

Signal: 1

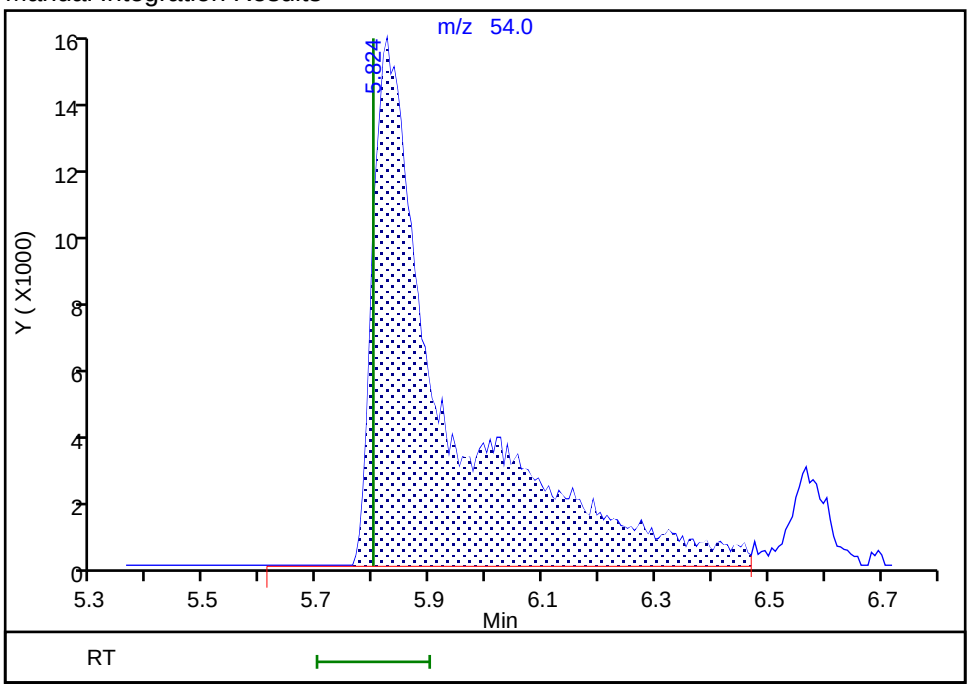
Processing Integration Results

RT: 5.82
Area: 91785
Amount: 26.808416
Amount Units: ug/l



Manual Integration Results

RT: 5.82
Area: 144651
Amount: 40.746638
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:53:52 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

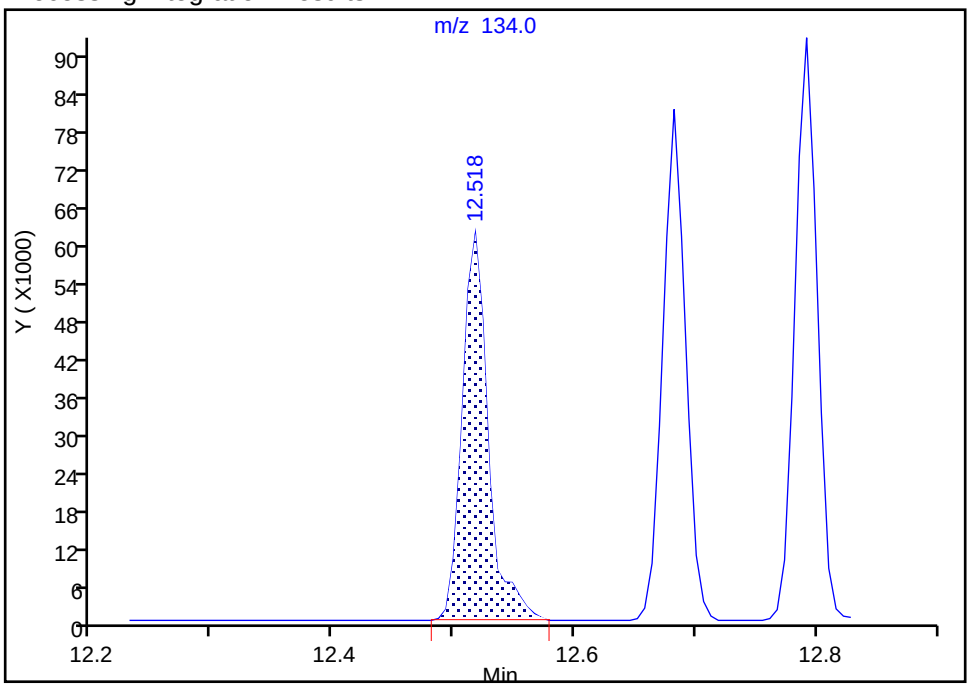
Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X17.D				
Injection Date:	20-Feb-2024 05:11:30	Instrument ID:	19930		
Lims ID:	IC std4				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

129 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

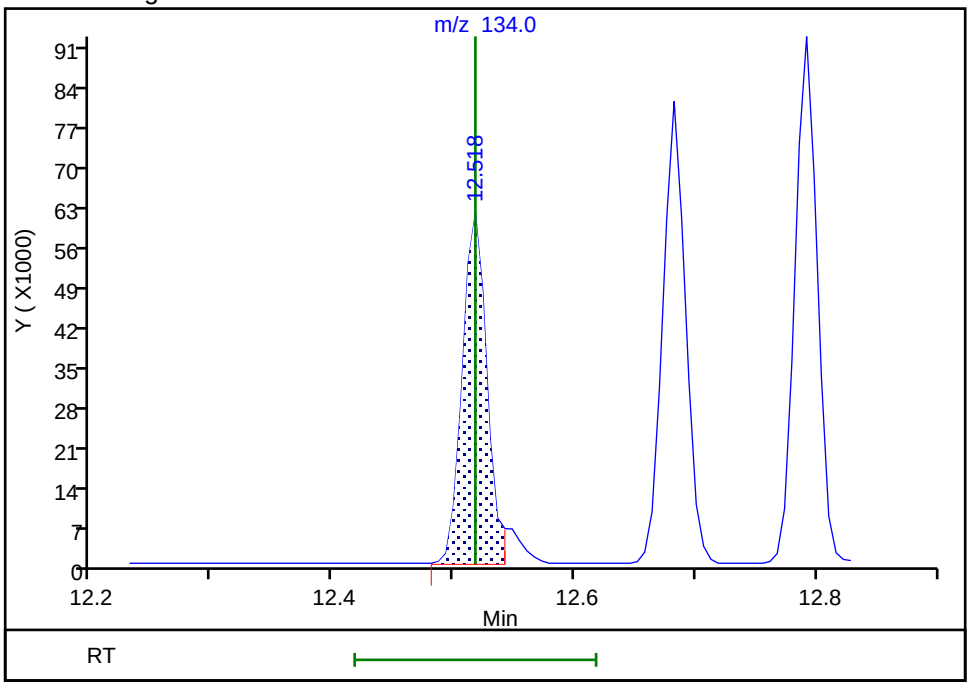
Processing Integration Results

RT: 12.52
Area: 92104
Amount: 1.949686
Amount Units: ug/l



Manual Integration Results

RT: 12.52
Area: 87096
Amount: 1.905351
Amount Units: ug/l



Reviewer: UKEK, 28-Feb-2024 09:23:01 -05:00:00 (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\19930\20240219-106711.b\IF19X18.D
Lims ID: IC std5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 20-Feb-2024 05:32:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106711-018
Misc. Info.: 5.0
Operator ID: gaw91131 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 07-Mar-2024 15:44:06 Calib Date: 20-Feb-2024 06:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X20.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1680

First Level Reviewer: DVW2 Date: 27-Feb-2024 12:56:06

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Dichlorodifluoromethane	85	1.825	1.806	0.019	99	316317	5.00	4.99	
4	Chloromethane	50	2.001	1.995	0.006	99	351801	5.00	5.01	
5	Vinyl chloride	62	2.111	2.099	0.012	92	328585	5.00	5.06	
6	Butadiene	39	2.117	2.105	0.012	91	310309	5.00	4.74	
7	Bromomethane	94	2.416	2.398	0.018	91	227658	5.00	4.98	
8	Chloroethane	64	2.483	2.471	0.012	100	184959	5.00	5.03	
9	Dichlorofluoromethane	67	2.709	2.690	0.019	97	499273	5.00	4.95	
10	Trichlorofluoromethane	101	2.770	2.757	0.013	96	365742	5.00	4.97	
11	Ethyl ether	59	2.977	2.964	0.013	91	174864	5.00	5.25	
13	1,2-Dichloro-1,1,2-trifluoroetha	67	3.068	3.056	0.012	93	288250	5.00	4.87	
14	Acrolein	56	3.135	3.123	0.012	98	1379305	250.0	253.2	
15	1,1-Dichloroethene	96	3.263	3.251	0.012	98	204951	5.00	5.18	
16	Acetone	43	3.288	3.275	0.013	100	363321	50.0	50.5	
17	1,1,2-Trichloro-1,2,2-trifluoroe	101	3.306	3.294	0.012	91	214583	5.00	5.25	
18	Iodomethane	142	3.446	3.428	0.018	99	410366	5.00	5.20	
19	Ethyl bromide	108	3.471	3.452	0.019	98	187395	5.00	5.24	
20	Carbon disulfide	76	3.544	3.531	0.013	99	606520	5.00	5.04	
23	Methyl acetate	43	3.678	3.666	0.012	98	101243	5.00	4.91	M
24	3-Chloro-1-propene	41	3.696	3.684	0.012	93	382646	5.00	5.00	
25	Methylene Chloride	84	3.867	3.855	0.012	93	228648	5.00	5.22	
* 26	t-Butyl alcohol-d10 (IS)	65	3.879	3.867	0.012	99	157227	50.0	50.0	M
27	2-Methyl-2-propanol	59	3.983	3.970	0.013	100	277811	100.0	95.1	
28	Acrylonitrile	53	4.184	4.165	0.019	98	117961	12.5	13.0	
29	Methyl tert-butyl ether	73	4.239	4.226	0.013	95	608919	5.00	5.23	
30	trans-1,2-Dichloroethene	96	4.257	4.239	0.018	98	233101	5.00	5.20	
31	Hexane	57	4.678	4.659	0.019	92	319494	5.00	5.19	
32	1,1-Dichloroethane	63	4.909	4.903	0.006	96	443806	5.00	5.20	
35	Isopropyl ether	45	4.970	4.958	0.012	95	791448	5.00	5.23	
36	2-Chloro-1,3-butadiene	53	5.031	5.007	0.024	90	377880	5.00	5.24	
37	Tert-butyl ethyl ether	59	5.513	5.507	0.006	97	712727	5.00	5.18	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 2-Butanone (MEK)	43	5.726	5.720	0.006	100	671178	50.0	52.0	
39 cis-1,2-Dichloroethene	96	5.757	5.751	0.006	82	267785	5.00	5.22	
40 2,2-Dichloropropane	77	5.769	5.763	0.006	87	373694	5.00	5.13	
43 Propionitrile	54	5.812	5.799	0.013	99	399800	100.0	109.6	
45 Methacrylonitrile	67	6.031	6.019	0.012	92	637654	50.0	48.9	
46 Chlorobromomethane	128	6.092	6.080	0.012	92	112268	5.00	5.27	
47 Tetrahydrofuran	71	6.104	6.098	0.006	81	103220	25.0	26.2	
S 41 1,2-Dichloroethene, Total	100				0			10.4	
48 Chloroform	83	6.245	6.238	0.006	93	427376	5.00	5.02	
$ 49 Dibromofluoromethane (Surr)	113	6.470	6.458	0.012	94	377572	10.0	10.0	
50 1,1,1-Trichloroethane	97	6.470	6.464	0.006	97	385306	5.00	5.20	
51 Cyclohexane	56	6.574	6.567	0.007	91	415743	5.00	5.26	
53 1,1-Dichloropropene	75	6.690	6.683	0.007	97	335484	5.00	5.16	
54 Carbon tetrachloride	117	6.690	6.683	0.007	96	336673	5.00	5.22	
55 Isobutyl alcohol	41	6.860	6.848	0.012	95	251750	250.0	236.6	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.927	6.915	0.012	98	79940	10.0	10.3	
57 Benzene	78	6.952	6.952	0.000	97	1015255	5.00	5.20	
58 1,2-Dichloroethane	62	7.031	7.025	0.006	97	266362	5.00	5.25	
60 Tert-amyl methyl ether	73	7.147	7.147	0.000	98	642143	5.00	5.21	
* 61 Fluorobenzene (IS)	96	7.366	7.360	0.006	98	1563464	10.0	10.0	
62 n-Heptane	43	7.385	7.384	0.001	92	334149	5.00	5.27	
63 n-Butanol	56	7.756	7.750	0.006	88	401775	437.5	437.4	
64 Trichloroethene	95	7.854	7.848	0.006	98	265871	5.00	5.21	
65 Methylcyclohexane	83	8.159	8.152	0.007	93	424229	5.00	5.30	
66 1,2-Dichloropropane	63	8.183	8.177	0.006	86	262469	5.00	5.30	
67 Methyl methacrylate	69	8.281	8.274	0.007	92	128702	5.00	5.35	
68 1,4-Dioxane	88	8.287	8.281	0.006	32	48332	250.0	265.7	
69 Dibromomethane	93	8.299	8.293	0.006	92	119643	5.00	5.27	
71 Dichlorobromomethane	83	8.537	8.530	0.007	99	311858	5.00	5.28	
72 2-Nitropropane	41	8.799	8.799	0.000	97	197406	25.0	23.1	
75 1-Bromo-2-chloroethane	63	8.933	8.927	0.006	98	261046	5.00	5.38	
76 cis-1,3-Dichloropropene	75	9.098	9.097	0.001	96	392641	5.00	5.34	
77 4-Methyl-2-pentanone (MIBK)	43	9.281	9.280	0.000	96	1723407	50.0	48.9	
$ 78 Toluene-d8 (Surr)	98	9.427	9.421	0.006	93	1571442	10.0	10.0	
79 Toluene	92	9.506	9.500	0.006	98	666972	5.00	5.26	
97 trans-1,3-Dichloropropene	75	9.780	9.774	0.006	93	323363	5.00	5.36	
99 Ethyl methacrylate	69	9.847	9.847	0.000	90	283901	5.00	5.39	
100 1,1,2-Trichloroethane	97	9.988	9.988	0.000	90	176938	5.00	5.06	
S 98 1,3-Dichloropropene, Total	100				0			10.7	
101 Tetrachloroethene	166	10.079	10.079	0.000	98	315572	5.00	5.17	
102 1,3-Dichloropropane	76	10.152	10.152	0.000	90	310078	5.00	5.26	
103 2-Hexanone	43	10.213	10.207	0.006	96	1194232	50.0	47.4	
105 Chlorodibromomethane	129	10.378	10.378	0.000	90	228493	5.00	5.25	
106 Ethylene Dibromide	107	10.488	10.487	0.001	98	172950	5.00	5.31	
* 107 Chlorobenzene-d5 (IS)	117	10.933	10.932	0.001	86	1192489	10.0	10.0	
108 1-Chlorohexane	91	10.945	10.945	0.000	98	354938	5.00	4.96	
109 Chlorobenzene	112	10.957	10.957	0.000	95	719617	5.00	5.17	
111 1,1,1,2-Tetrachloroethane	131	11.042	11.042	0.000	96	261504	5.00	5.21	
112 Ethylbenzene	91	11.048	11.048	0.000	98	1290807	5.00	5.18	
113 m-Xylene & p-Xylene	106	11.164	11.164	0.000	93	1018436	10.0	10.4	
S 110 Xylenes, Total	106				0			15.7	
114 o-Xylene	106	11.500	11.499	0.001	96	506763	5.00	5.22	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
115 Styrene	104	11.518	11.512	0.006	95	806837	5.00	5.25	
116 Bromoform	173	11.670	11.670	0.000	98	146211	5.00	5.19	
117 Isopropylbenzene	105	11.804	11.804	0.000	96	1240938	5.00	5.20	
$ 120 4-Bromofluorobenzene (Surr)	95	11.951	11.951	0.000	94	582525	10.0	10.1	
121 1,1,2,2-Tetrachloroethane	83	12.054	12.054	0.000	92	233343	5.00	5.16	
122 Bromobenzene	156	12.067	12.066	0.001	95	314919	5.00	5.22	
123 trans-1,4-Dichloro-2-butene	53	12.079	12.079	0.000	92	608107	50.0	47.9	
124 1,2,3-Trichloropropane	110	12.097	12.097	0.000	80	62610	5.00	5.19	
125 N-Propylbenzene	91	12.134	12.133	0.001	99	1519992	5.00	5.18	
126 2-Chlorotoluene	126	12.213	12.213	0.000	97	306454	5.00	5.18	
127 1,3,5-Trimethylbenzene	105	12.274	12.274	0.000	94	1115867	5.00	5.19	
128 4-Chlorotoluene	126	12.304	12.304	0.000	97	311894	5.00	5.20	
129 tert-Butylbenzene	134	12.518	12.518	0.000	93	244393	5.00	5.22	M
130 Pentachloroethane	167	12.548	12.548	0.000	92	203279	5.00	5.39	
131 1,2,4-Trimethylbenzene	105	12.560	12.560	0.000	97	1129875	5.00	5.27	
132 sec-Butylbenzene	105	12.682	12.682	0.000	94	1442639	5.00	5.26	
133 1,3-Dichlorobenzene	146	12.780	12.780	0.000	99	612330	5.00	5.19	
134 4-Isopropyltoluene	119	12.792	12.792	0.000	97	1267991	5.00	5.33	
* 135 1,4-Dichlorobenzene-d4	152	12.835	12.835	0.001	93	693132	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.853	12.853	0.000	95	619520	5.00	5.12	
137 1,2,3-Trimethylbenzene	120	12.865	12.865	0.000	98	500890	5.00	5.14	
138 Benzyl chloride	126	12.932	12.932	0.000	98	98998	5.00	5.41	
139 n-Butylbenzene	92	13.085	13.084	0.001	97	601510	5.00	5.31	
140 1,2-Dichlorobenzene	146	13.115	13.109	0.006	99	570443	5.00	5.17	
142 1,2-Dibromo-3-Chloropropane	155	13.658	13.658	0.000	89	40232	5.00	5.61	
143 1,3,5-Trichlorobenzene	180	13.786	13.786	0.000	98	467638	5.00	5.41	
144 1,2,4-Trichlorobenzene	180	14.206	14.206	0.000	94	393552	5.00	5.47	
145 Hexachlorobutadiene	225	14.292	14.292	0.000	95	176143	5.00	5.25	
146 Naphthalene	128	14.383	14.383	0.000	97	727136	5.00	5.34	
147 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	96	329798	5.00	5.49	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00117	Amount Added:	5.00	Units: uL	
MSV_LL_#2_826_00127	Amount Added:	5.00	Units: uL	
MSV_LL_GAS826_00194	Amount Added:	5.00	Units: uL	
MSV_LLcentISS_00012	Amount Added:	5.00	Units: uL	Run Reagent

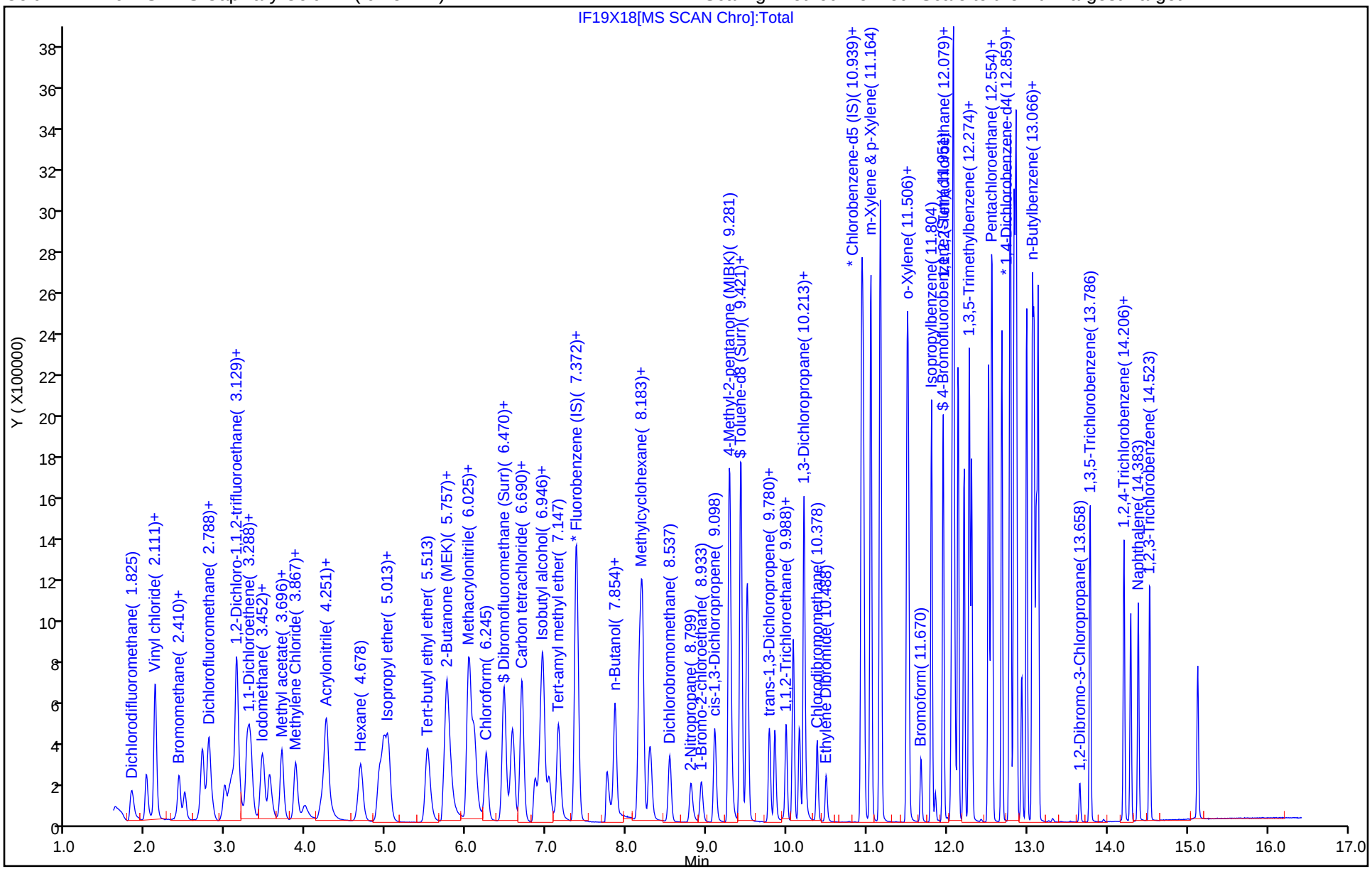
Report Date: 07-Mar-2024 15:44:07 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X18.D

Injection Date:	20-Feb-2024 05:32:30	Instrument ID:	19930	Operator ID:	gaw91131
Lims ID:	IC std5			Worklist Smp#:	18
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

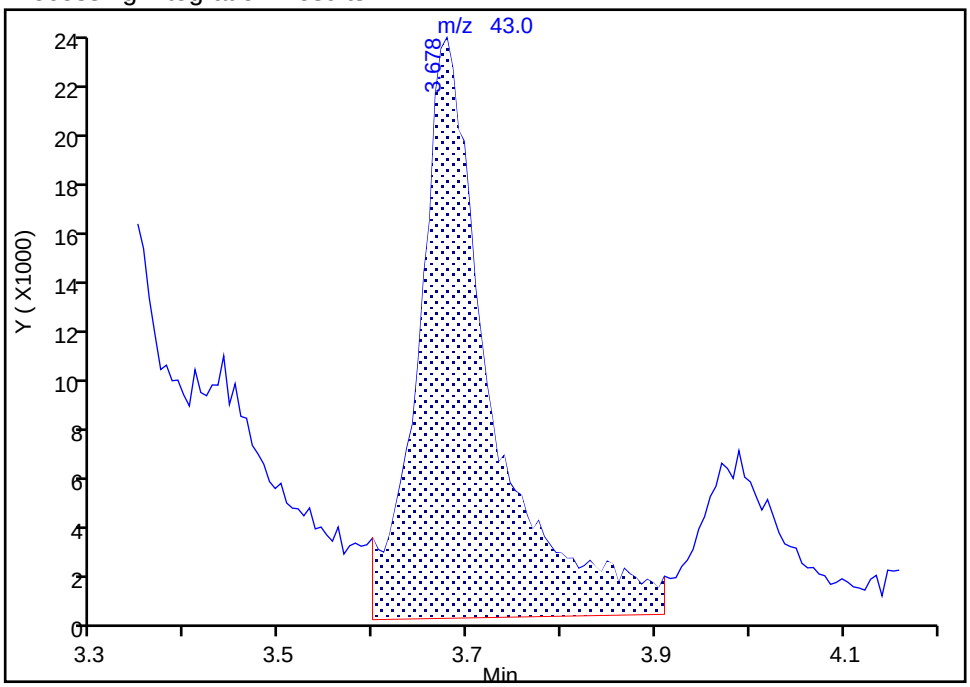
Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X18.D				
Injection Date:	20-Feb-2024 05:32:30	Instrument ID:	19930		
Lims ID:	IC std5				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

23 Methyl acetate, CAS: 79-20-9

Signal: 1

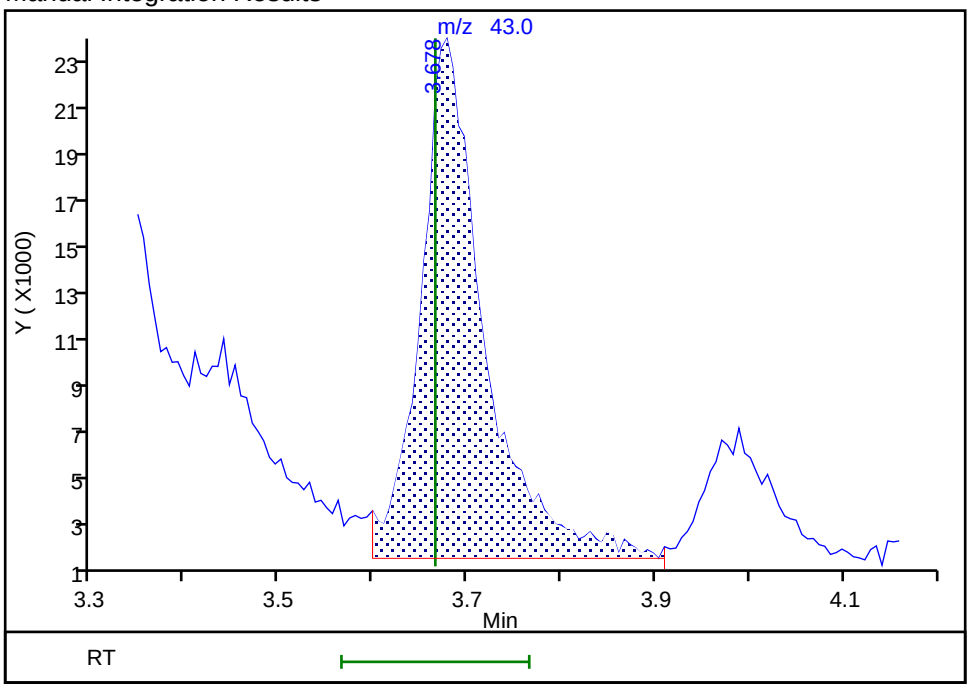
Processing Integration Results

RT: 3.68
Area: 122679
Amount: 5.526789
Amount Units: ug/l



Manual Integration Results

RT: 3.68
Area: 101243
Amount: 4.914258
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:55:13 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

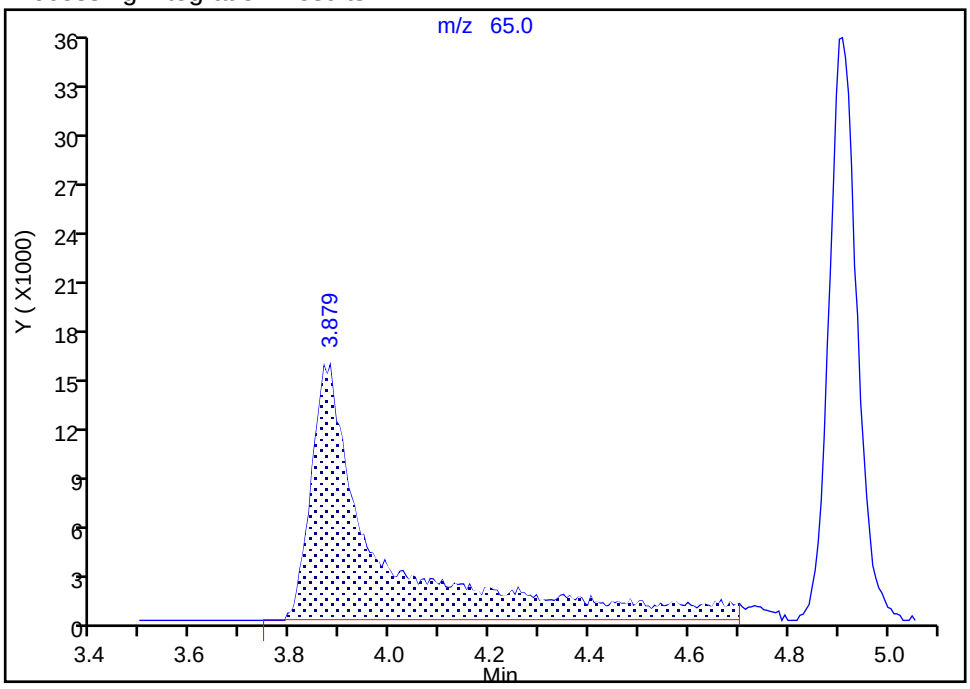
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X18.D
Injection Date: 20-Feb-2024 05:32:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

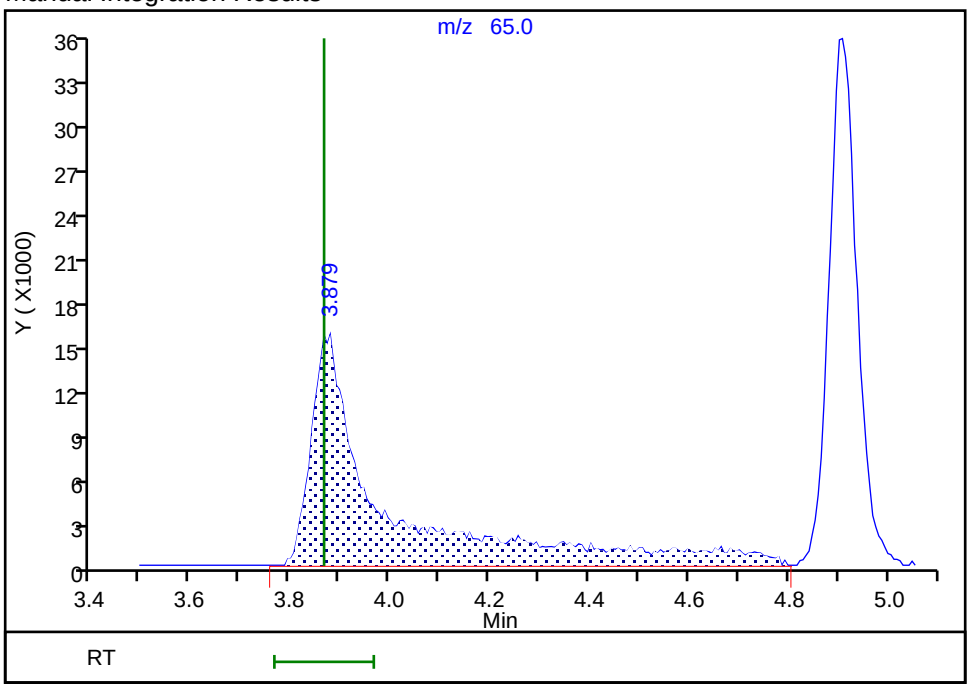
Processing Integration Results

RT: 3.88
Area: 153760
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.88
Area: 157227
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:55:20 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

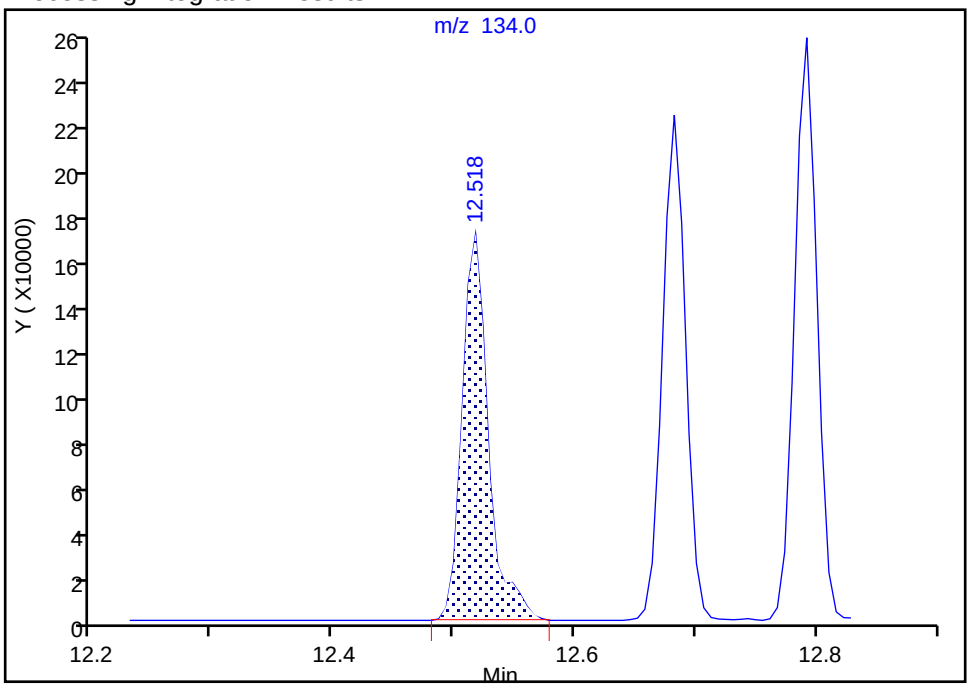
Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X18.D				
Injection Date:	20-Feb-2024 05:32:30	Instrument ID:	19930		
Lims ID:	IC std5				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

129 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

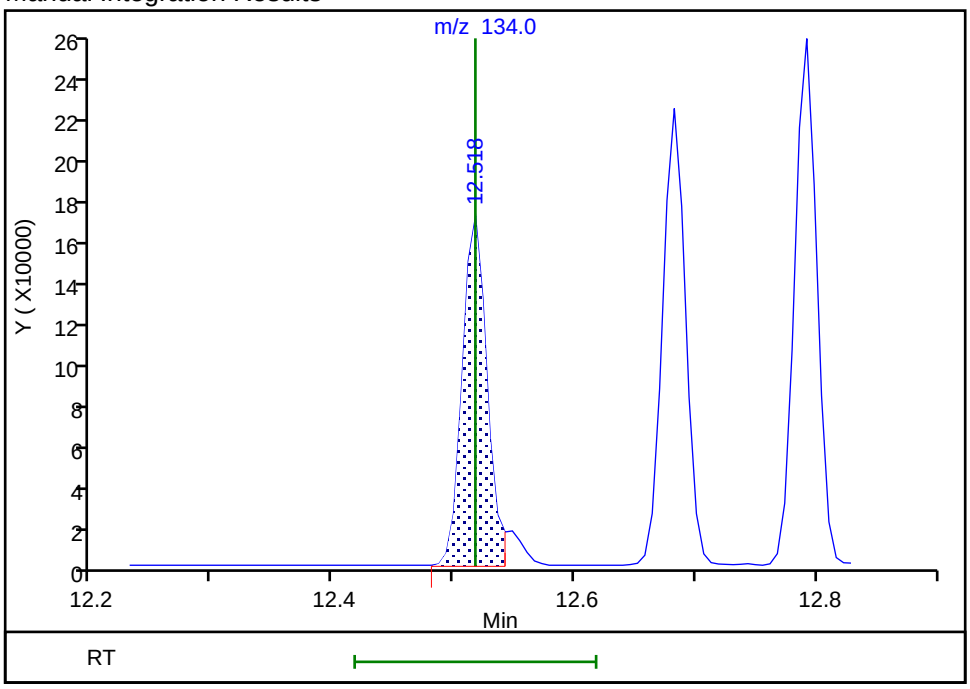
Processing Integration Results

RT: 12.52
Area: 258355
Amount: 5.376974
Amount Units: ug/l



Manual Integration Results

RT: 12.52
Area: 244393
Amount: 5.216740
Amount Units: ug/l



Reviewer: UKEK, 28-Feb-2024 09:23:16 -05:00:00 (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\19930\20240219-106711.b\IF19X19.D
Lims ID: ICIS std6 LG
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 20-Feb-2024 05:53:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106711-019
Misc. Info.: 10
Operator ID: gaw91131 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 07-Mar-2024 15:44:11 Calib Date: 20-Feb-2024 06:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X20.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1680

First Level Reviewer: DVW2 Date: 27-Feb-2024 14:36:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.806	1.806	0.000	99	601112	10.0	9.45	
4 Chloromethane	50	1.995	1.995	0.000	99	664972	10.0	9.44	
5 Vinyl chloride	62	2.099	2.099	0.000	98	627468	10.0	9.63	
6 Butadiene	39	2.105	2.105	0.000	91	597903	10.0	9.11	
7 Bromomethane	94	2.398	2.398	0.000	91	431376	10.0	9.42	
8 Chloroethane	64	2.471	2.471	0.000	100	350887	10.0	9.51	
9 Dichlorofluoromethane	67	2.690	2.690	0.000	97	938837	10.0	9.29	
10 Trichlorofluoromethane	101	2.757	2.757	0.000	97	696534	10.0	9.43	
11 Ethyl ether	59	2.964	2.964	0.000	91	346206	10.0	10.4	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.056	3.056	0.000	92	554257	10.0	9.33	
14 Acrolein	56	3.123	3.123	0.000	99	2737468	500.0	580.5	
15 1,1-Dichloroethene	96	3.251	3.251	0.000	98	399954	10.0	10.1	
16 Acetone	43	3.275	3.275	0.000	100	670964	100.0	107.6	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.294	3.294	0.000	91	422212	10.0	10.3	
18 Iodomethane	142	3.428	3.428	0.000	99	816831	10.0	10.3	
19 Ethyl bromide	108	3.452	3.452	0.000	98	369016	10.0	10.3	
20 Carbon disulfide	76	3.531	3.531	0.000	99	1190686	10.0	9.87	
23 Methyl acetate	43	3.666	3.666	0.000	97	197266	10.0	11.1	M
24 3-Chloro-1-propene	41	3.684	3.684	0.000	93	761499	10.0	9.91	
25 Methylene Chloride	84	3.855	3.855	0.000	93	447110	10.0	10.2	
* 26 t-Butyl alcohol-d10 (IS)	65	3.867	3.867	0.000	99	136115	50.0	50.0	M
27 2-Methyl-2-propanol	59	3.970	3.970	0.000	100	520997	200.0	206.0	
28 Acrylonitrile	53	4.165	4.165	0.000	99	233043	25.0	29.6	
29 Methyl tert-butyl ether	73	4.226	4.226	0.000	95	1186009	10.0	10.2	
30 trans-1,2-Dichloroethene	96	4.239	4.239	0.000	99	457249	10.0	10.2	
31 Hexane	57	4.659	4.659	0.000	92	623973	10.0	10.1	
32 1,1-Dichloroethane	63	4.903	4.903	0.000	96	872985	10.0	10.2	
35 Isopropyl ether	45	4.958	4.958	0.000	94	1550616	10.0	10.2	
36 2-Chloro-1,3-butadiene	53	5.007	5.007	0.000	90	742199	10.0	10.3	
37 Tert-butyl ethyl ether	59	5.507	5.507	0.000	98	1416283	10.0	10.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 2-Butanone (MEK)	43	5.720	5.720	0.000	100	1251760	100.0	111.9	
39 cis-1,2-Dichloroethene	96	5.751	5.751	0.000	82	521012	10.0	10.1	
40 2,2-Dichloropropane	77	5.763	5.763	0.000	87	735545	10.0	10.1	
43 Propionitrile	54	5.799	5.799	0.000	99	704996	200.0	223.3	
45 Methacrylonitrile	67	6.019	6.019	0.000	92	1253174	100.0	110.9	
46 Chlorobromomethane	128	6.080	6.080	0.000	92	225360	10.0	10.5	
47 Tetrahydrofuran	71	6.098	6.098	0.000	80	187619	50.0	55.1	
48 Chloroform	83	6.238	6.238	0.000	93	843362	10.0	9.88	
$ 49 Dibromofluoromethane (Surr)	113	6.458	6.458	0.000	93	373122	10.0	9.89	
50 1,1,1-Trichloroethane	97	6.464	6.464	0.000	98	756607	10.0	10.2	
51 Cyclohexane	56	6.567	6.567	0.000	91	815355	10.0	10.3	
53 1,1-Dichloropropene	75	6.683	6.683	0.000	97	661709	10.0	10.2	
54 Carbon tetrachloride	117	6.683	6.683	0.000	95	668470	10.0	10.3	
55 Isobutyl alcohol	41	6.848	6.848	0.000	94	457866	500.0	497.1	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.915	6.915	0.000	93	77522	10.0	9.95	
57 Benzene	78	6.952	6.952	0.000	96	1998886	10.0	10.2	
58 1,2-Dichloroethane	62	7.025	7.025	0.000	97	523948	10.0	10.3	
60 Tert-amyl methyl ether	73	7.147	7.147	0.000	98	1266289	10.0	10.2	
* 61 Fluorobenzene (IS)	96	7.360	7.360	0.000	99	1568285	10.0	10.0	
62 n-Heptane	43	7.384	7.384	0.000	93	656537	10.0	10.3	
63 n-Butanol	56	7.750	7.750	0.000	89	735996	875.0	910.4	
64 Trichloroethene	95	7.848	7.848	0.000	98	524622	10.0	10.2	
65 Methylcyclohexane	83	8.152	8.152	0.000	93	828929	10.0	10.3	
66 1,2-Dichloropropane	63	8.177	8.177	0.000	90	513841	10.0	10.3	
67 Methyl methacrylate	69	8.274	8.274	0.000	93	253836	10.0	12.2	
68 1,4-Dioxane	88	8.281	8.281	0.000	34	85568	500.0	543.3	
69 Dibromomethane	93	8.293	8.293	0.000	93	242978	10.0	10.7	
71 Dichlorobromomethane	83	8.530	8.530	0.000	100	615537	10.0	10.4	
72 2-Nitropropane	41	8.799	8.799	0.000	97	380020	50.0	51.4	
75 1-Bromo-2-chloroethane	63	8.927	8.927	0.000	98	511081	10.0	10.5	
76 cis-1,3-Dichloropropene	75	9.097	9.097	0.000	96	784628	10.0	10.6	
77 4-Methyl-2-pentanone (MIBK)	43	9.280	9.280	0.000	96	3345613	100.0	109.7	
$ 78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1565206	10.0	9.90	
79 Toluene	92	9.500	9.500	0.000	98	1311640	10.0	10.2	
97 trans-1,3-Dichloropropene	75	9.774	9.774	0.000	93	643979	10.0	10.6	
99 Ethyl methacrylate	69	9.847	9.847	0.000	90	564329	10.0	10.6	
100 1,1,2-Trichloroethane	97	9.988	9.988	0.000	90	350715	10.0	9.94	
101 Tetrachloroethene	166	10.079	10.079	0.000	98	622963	10.0	10.1	
102 1,3-Dichloropropane	76	10.152	10.152	0.000	91	608767	10.0	10.2	
103 2-Hexanone	43	10.207	10.207	0.000	96	2330981	100.0	107.0	
105 Chlorodibromomethane	129	10.378	10.378	0.000	90	461023	10.0	10.5	
106 Ethylene Dibromide	107	10.487	10.487	0.000	99	342750	10.0	10.4	
* 107 Chlorobenzene-d5 (IS)	117	10.932	10.932	0.000	85	1203165	10.0	10.0	
108 1-Chlorohexane	91	10.945	10.945	0.000	98	701477	10.0	9.72	
109 Chlorobenzene	112	10.957	10.957	0.000	96	1431254	10.0	10.2	
111 1,1,1,2-Tetrachloroethane	131	11.042	11.042	0.000	97	520590	10.0	10.3	
112 Ethylbenzene	91	11.048	11.048	0.000	98	2553525	10.0	10.2	
113 m-Xylene & p-Xylene	106	11.164	11.164	0.000	93	2021243	20.0	20.5	
114 o-Xylene	106	11.499	11.499	0.000	96	1000531	10.0	10.2	
115 Styrene	104	11.512	11.512	0.000	95	1611958	10.0	10.4	
116 Bromoform	173	11.670	11.670	0.000	98	296706	10.0	10.4	
117 Isopropylbenzene	105	11.804	11.804	0.000	96	2444863	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 120 4-Bromofluorobenzene (Surr)	95	11.951	11.951	0.000	94	579944	10.0	9.94	
121 1,1,2,2-Tetrachloroethane	83	12.054	12.054	0.000	93	465839	10.0	10.3	
122 Bromobenzene	156	12.066	12.066	0.000	95	623335	10.0	10.4	
123 trans-1,4-Dichloro-2-butene	53	12.079	12.079	0.000	92	1216436	100.0	110.6	
124 1,2,3-Trichloropropane	110	12.097	12.097	0.000	80	125208	10.0	10.4	
125 N-Propylbenzene	91	12.133	12.133	0.000	99	3026396	10.0	10.3	
126 2-Chlorotoluene	126	12.213	12.213	0.000	97	614397	10.0	10.4	
127 1,3,5-Trimethylbenzene	105	12.274	12.274	0.000	94	2219399	10.0	10.3	
128 4-Chlorotoluene	126	12.304	12.304	0.000	97	616748	10.0	10.3	
129 tert-Butylbenzene	134	12.518	12.518	0.000	93	479225	10.0	10.3	M
130 Pentachloroethane	167	12.548	12.548	0.000	92	407781	10.0	10.8	
131 1,2,4-Trimethylbenzene	105	12.560	12.560	0.000	97	2232843	10.0	10.4	
132 sec-Butylbenzene	105	12.682	12.682	0.000	94	2848771	10.0	10.4	
133 1,3-Dichlorobenzene	146	12.780	12.780	0.000	98	1225717	10.0	10.4	
134 4-Isopropyltoluene	119	12.792	12.792	0.000	97	2475832	10.0	10.4	
* 135 1,4-Dichlorobenzene-d4	152	12.835	12.835	0.000	94	691129	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.853	12.853	0.000	95	1233709	10.0	10.2	
137 1,2,3-Trimethylbenzene	120	12.865	12.865	0.000	98	990000	10.0	10.2	
138 Benzyl chloride	126	12.932	12.932	0.000	98	197875	10.0	10.8	
139 n-Butylbenzene	92	13.084	13.084	0.000	98	1193654	10.0	10.6	
140 1,2-Dichlorobenzene	146	13.109	13.109	0.000	99	1124130	10.0	10.2	
142 1,2-Dibromo-3-Chloropropane	155	13.658	13.658	0.000	87	77081	10.0	10.8	
143 1,3,5-Trichlorobenzene	180	13.786	13.786	0.000	98	913344	10.0	10.6	
144 1,2,4-Trichlorobenzene	180	14.206	14.206	0.000	94	778475	10.0	10.8	
145 Hexachlorobutadiene	225	14.292	14.292	0.000	95	349965	10.0	10.5	
146 Naphthalene	128	14.383	14.383	0.000	97	1404855	10.0	10.4	
147 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	96	634833	10.0	10.6	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00117	Amount Added: 10.00	Units: uL	
MSV_LL_#2_826_00127	Amount Added: 10.00	Units: uL	
MSV_LL_GAS826_00194	Amount Added: 10.00	Units: uL	
MSV_LLcentISS_00012	Amount Added: 5.00	Units: uL	Run Reagent

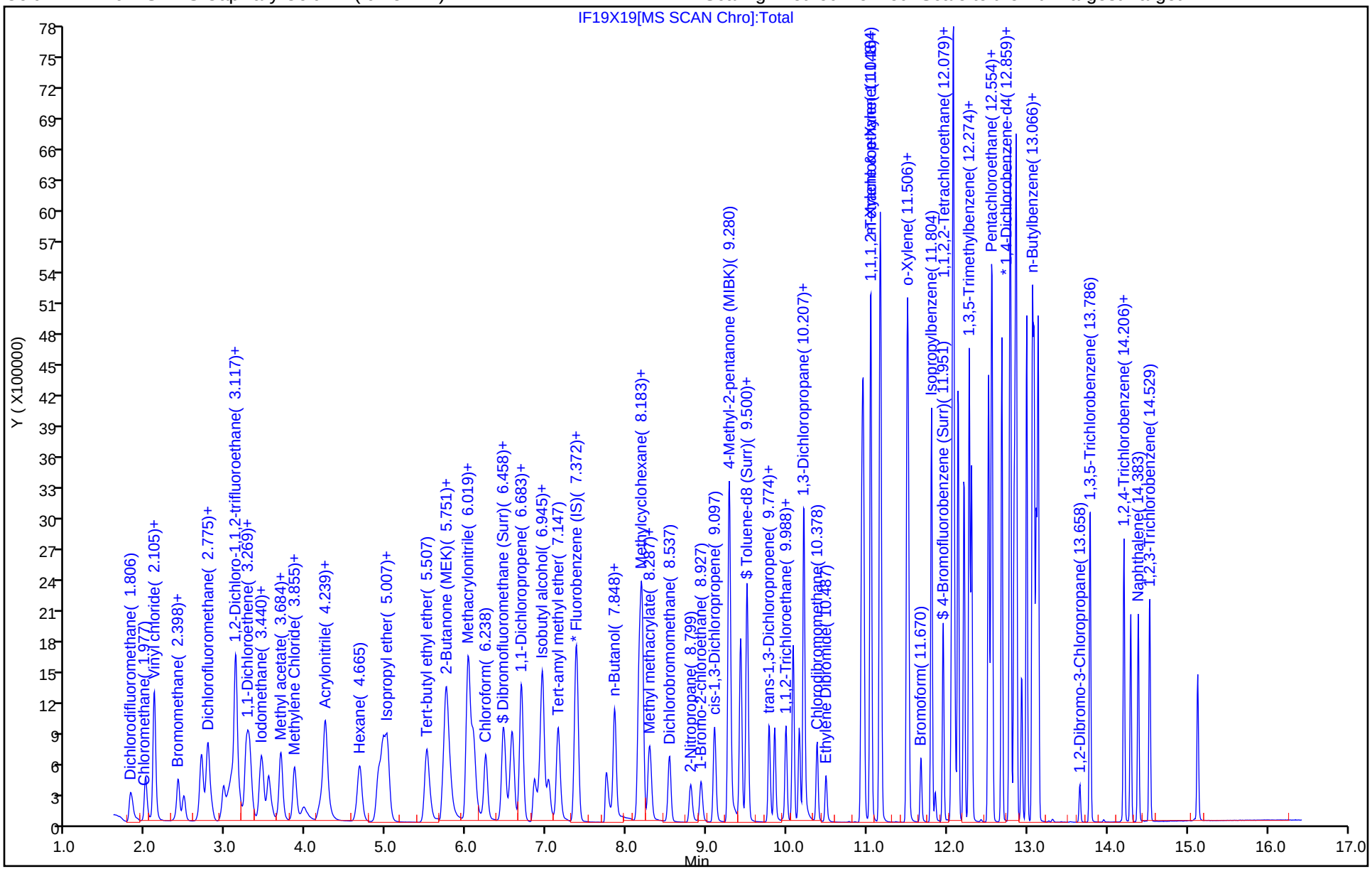
Report Date: 07-Mar-2024 15:44:12 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X19.D

Injection Date:	20-Feb-2024 05:53:30	Instrument ID:	19930	Operator ID:	gaw91131
Lims ID:	ICIS std6 LG			Worklist Smp#:	19
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

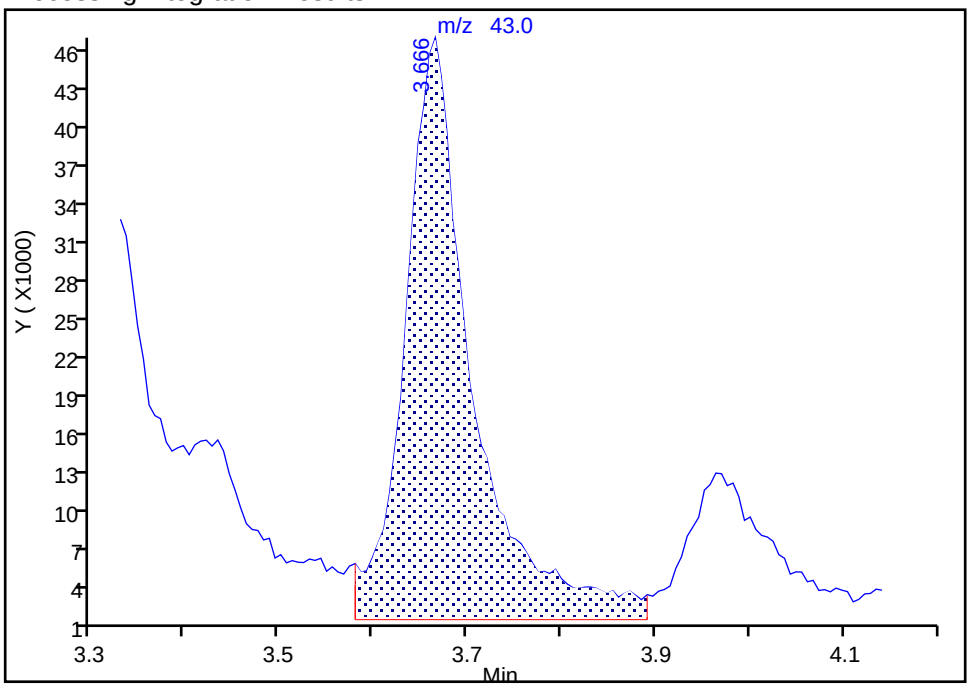
Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X19.D				
Injection Date:	20-Feb-2024 05:53:30	Instrument ID:	19930		
Lims ID:	ICIS std6 LG				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

23 Methyl acetate, CAS: 79-20-9

Signal: 1

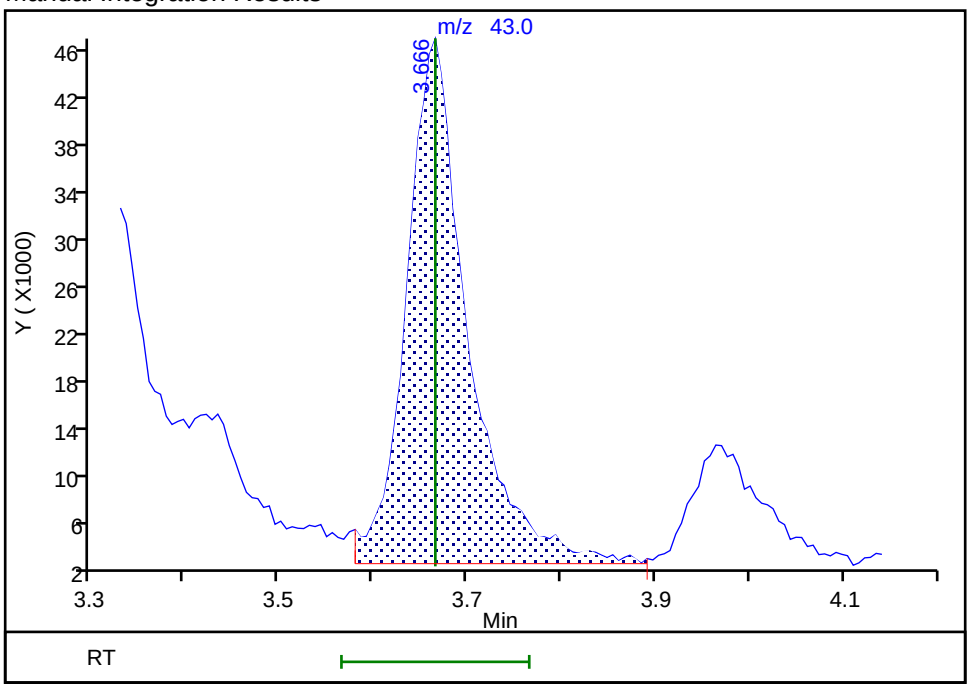
Processing Integration Results

RT: 3.67
Area: 226625
Amount: 10.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.67
Area: 197266
Amount: 11.060286
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:39:25 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

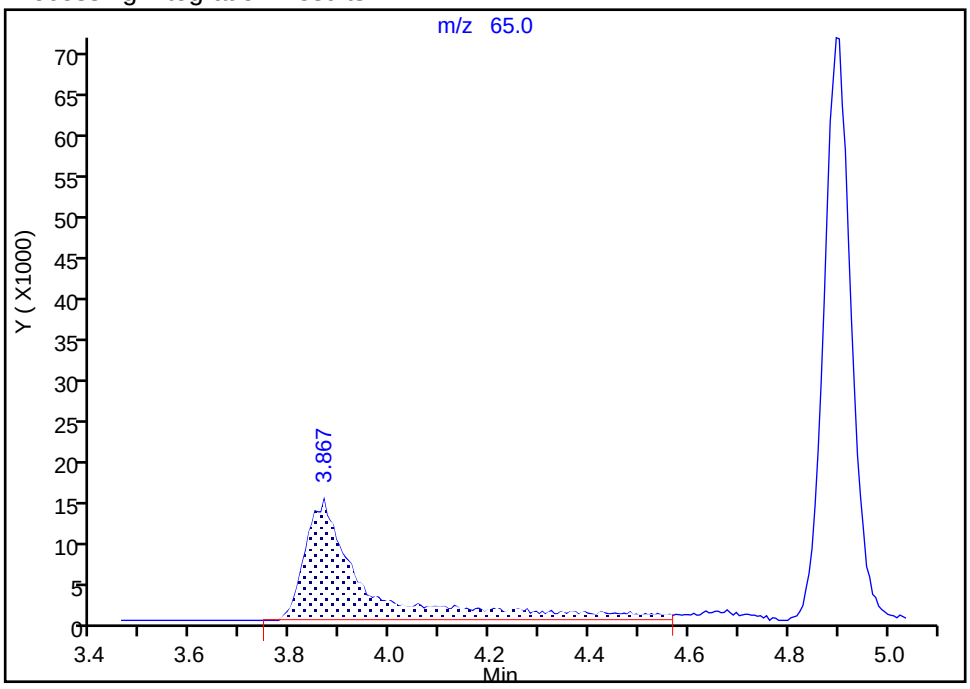
Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X19.D				
Injection Date:	20-Feb-2024 05:53:30	Instrument ID:	19930		
Lims ID:	ICIS std6 LG				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

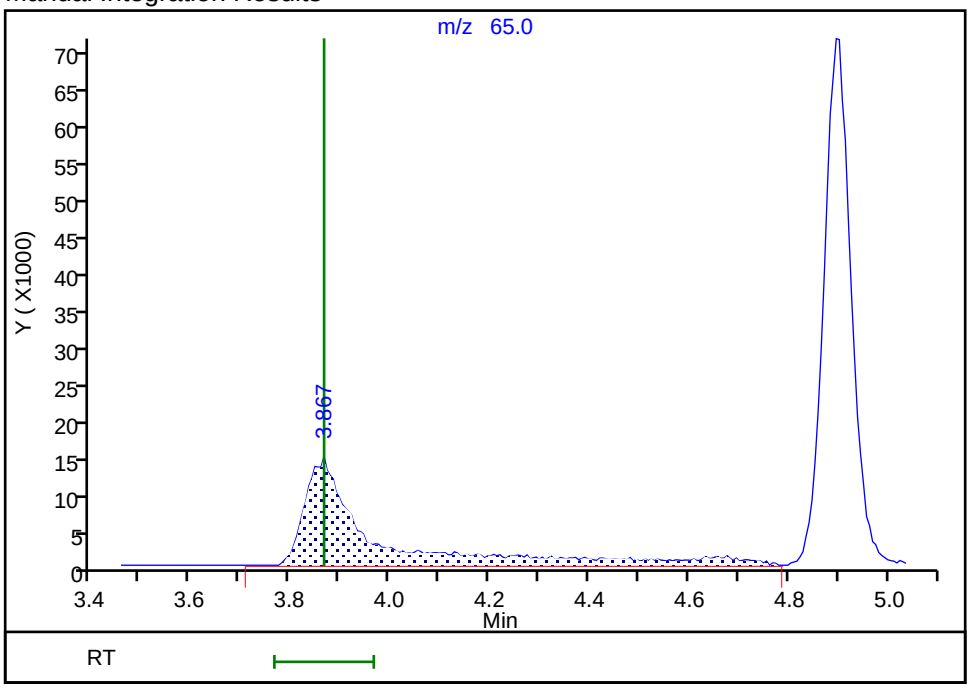
Processing Integration Results

RT: 3.87
Area: 127016
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.87
Area: 136115
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:39:33 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

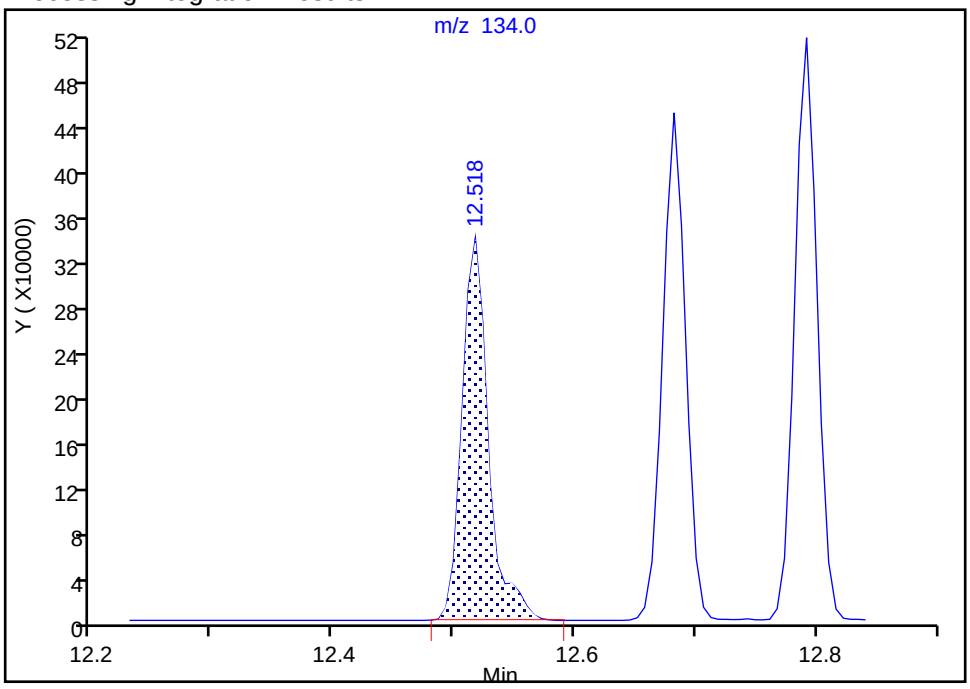
Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X19.D				
Injection Date:	20-Feb-2024 05:53:30	Instrument ID:	19930		
Lims ID:	ICIS std6 LG				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

129 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

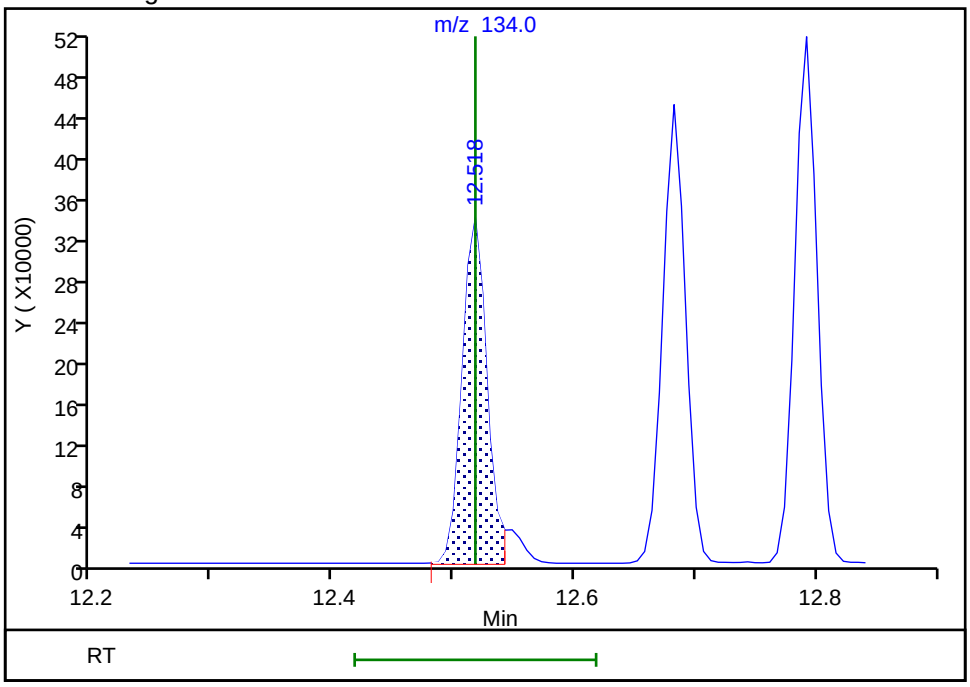
Processing Integration Results

RT: 12.52
Area: 507039
Amount: 10.671856
Amount Units: ug/l



Manual Integration Results

RT: 12.52
Area: 479225
Amount: 10.259040
Amount Units: ug/l



Reviewer: UKEK, 28-Feb-2024 09:23:34 -05:00:00 (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\19930\20240219-106711.b\IF19X20.D
Lims ID: IC std7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 20-Feb-2024 06:14:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106711-020
Misc. Info.: 25
Operator ID: gaw91131 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 07-Mar-2024 15:44:17 Calib Date: 20-Feb-2024 06:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X20.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1680

First Level Reviewer: DVW2 Date: 27-Feb-2024 12:57:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.818	1.806	0.012	99	1519165	25.0	23.8	
4 Chloromethane	50	2.001	1.995	0.006	99	1661183	25.0	23.5	
5 Vinyl chloride	62	2.111	2.099	0.012	98	1554313	25.0	23.8	
6 Butadiene	39	2.111	2.105	0.006	91	1506833	25.0	22.9	
7 Bromomethane	94	2.410	2.398	0.012	90	1088784	25.0	23.7	
8 Chloroethane	64	2.483	2.471	0.012	100	873690	25.0	23.6	
9 Dichlorofluoromethane	67	2.702	2.690	0.012	97	2348602	25.0	23.2	
10 Trichlorofluoromethane	101	2.770	2.757	0.013	97	1771135	25.0	23.9	
11 Ethyl ether	59	2.977	2.964	0.013	92	856636	25.0	25.6	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.062	3.056	0.006	92	1382582	25.0	23.2	
14 Acrolein	56	3.129	3.123	0.006	99	6980896	1250.0	1301.7	
15 1,1-Dichloroethene	96	3.263	3.251	0.012	98	996307	25.0	25.0	
16 Acetone	43	3.282	3.275	0.007	100	1733763	250.0	244.5	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.306	3.294	0.012	91	1085180	25.0	26.4	
18 Iodomethane	142	3.440	3.428	0.012	98	2019366	25.0	25.5	
19 Ethyl bromide	108	3.465	3.452	0.012	98	918448	25.0	25.6	
20 Carbon disulfide	76	3.544	3.531	0.013	99	2989217	25.0	24.7	
23 Methyl acetate	43	3.666	3.666	0.000	97	520143	25.0	25.6	M
24 3-Chloro-1-propene	41	3.690	3.684	0.006	93	1887929	25.0	24.5	
25 Methylene Chloride	84	3.861	3.855	0.006	92	1115863	25.0	25.4	
* 26 t-Butyl alcohol-d10 (IS)	65	3.873	3.867	0.006	99	154799	50.0	50.0	M
27 2-Methyl-2-propanol	59	3.983	3.970	0.013	100	1402594	500.0	487.7	
28 Acrylonitrile	53	4.166	4.165	0.001	100	581855	62.5	65.1	
29 Methyl tert-butyl ether	73	4.233	4.226	0.007	95	2946220	25.0	25.2	
30 trans-1,2-Dichloroethene	96	4.251	4.239	0.012	100	1139068	25.0	25.3	
31 Hexane	57	4.672	4.659	0.013	93	1632046	25.0	26.4	
32 1,1-Dichloroethane	63	4.909	4.903	0.006	96	2172405	25.0	25.3	
35 Isopropyl ether	45	4.970	4.958	0.012	95	3872983	25.0	25.5	
36 2-Chloro-1,3-butadiene	53	5.019	5.007	0.012	90	1851422	25.0	25.5	
37 Tert-butyl ethyl ether	59	5.513	5.507	0.006	98	3477939	25.0	25.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 2-Butanone (MEK)	43	5.726	5.720	0.006	100	3093298	250.0	243.2	
39 cis-1,2-Dichloroethene	96	5.751	5.751	0.000	82	1302844	25.0	25.3	
40 2,2-Dichloropropane	77	5.769	5.763	0.006	89	1836731	25.0	25.1	
43 Propionitrile	54	5.806	5.799	0.007	99	1869834	500.0	520.8	
45 Methacrylonitrile	67	6.031	6.019	0.012	92	3046713	250.0	237.2	
46 Chlorobromomethane	128	6.092	6.080	0.012	91	558024	25.0	26.1	
47 Tetrahydrofuran	71	6.104	6.098	0.006	83	480077	125.0	124.0	
S 41 1,2-Dichloroethene, Total	100				0			50.5	
48 Chloroform	83	6.244	6.238	0.006	93	2100545	25.0	24.6	
$ 49 Dibromofluoromethane (Surr)	113	6.464	6.458	0.006	94	378557	10.0	10.0	
50 1,1,1-Trichloroethane	97	6.476	6.464	0.012	98	1899805	25.0	25.5	
51 Cyclohexane	56	6.580	6.567	0.013	92	2096888	25.0	26.4	
53 1,1-Dichloropropene	75	6.689	6.683	0.006	96	1663368	25.0	25.5	
54 Carbon tetrachloride	117	6.689	6.683	0.006	96	1696608	25.0	26.2	
55 Isobutyl alcohol	41	6.854	6.848	0.006	95	1266677	1250.0	1209.3	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.921	6.915	0.006	79	77002	10.0	9.87	
57 Benzene	78	6.952	6.952	0.000	96	4980818	25.0	25.4	
58 1,2-Dichloroethane	62	7.031	7.025	0.006	98	1309394	25.0	25.7	
60 Tert-amyl methyl ether	73	7.153	7.147	0.006	98	3117419	25.0	25.2	
* 61 Fluorobenzene (IS)	96	7.366	7.360	0.006	99	1570929	10.0	10.0	
62 n-Heptane	43	7.384	7.384	0.000	93	1720210	25.0	27.0	
63 n-Butanol	56	7.750	7.750	0.000	88	2033151	2187.5	2192.0	
64 Trichloroethene	95	7.854	7.848	0.006	98	1321701	25.0	25.8	
65 Methylcyclohexane	83	8.159	8.152	0.007	93	2161145	25.0	26.9	
66 1,2-Dichloropropane	63	8.183	8.177	0.006	98	1292315	25.0	26.0	
67 Methyl methacrylate	69	8.275	8.274	0.001	92	647019	25.0	27.3	
68 1,4-Dioxane	88	8.281	8.281	0.000	34	240742	1250.0	1344.1	
69 Dibromomethane	93	8.293	8.293	0.000	93	597687	25.0	26.2	
71 Dichlorobromomethane	83	8.537	8.530	0.007	99	1554119	25.0	26.2	
72 2-Nitropropane	41	8.799	8.799	0.000	97	974807	125.0	115.9	
75 1-Bromo-2-chloroethane	63	8.933	8.927	0.006	98	1278034	25.0	26.2	
76 cis-1,3-Dichloropropene	75	9.098	9.097	0.001	96	1979434	25.0	26.8	
77 4-Methyl-2-pentanone (MIBK)	43	9.280	9.280	0.000	96	8444583	250.0	243.4	
$ 78 Toluene-d8 (Surr)	98	9.427	9.421	0.006	93	1582931	10.0	9.95	
79 Toluene	92	9.506	9.500	0.006	98	3271820	25.0	25.4	
97 trans-1,3-Dichloropropene	75	9.780	9.774	0.006	93	1638591	25.0	26.7	
99 Ethyl methacrylate	69	9.847	9.847	0.000	90	1420018	25.0	26.6	
100 1,1,2-Trichloroethane	97	9.988	9.988	0.000	91	877246	25.0	24.7	
S 98 1,3-Dichloropropene, Total	100				0			53.5	
101 Tetrachloroethene	166	10.079	10.079	0.000	98	1571207	25.0	25.4	
102 1,3-Dichloropropane	76	10.152	10.152	0.000	90	1517391	25.0	25.3	
103 2-Hexanone	43	10.213	10.207	0.006	96	5883012	250.0	237.4	
105 Chlorodibromomethane	129	10.378	10.378	0.000	90	1163647	25.0	26.3	
106 Ethylene Dibromide	107	10.488	10.487	0.001	99	859032	25.0	26.0	
* 107 Chlorobenzene-d5 (IS)	117	10.933	10.932	0.001	85	1210911	10.0	10.0	
108 1-Chlorohexane	91	10.945	10.945	0.000	98	1787741	25.0	24.6	
109 Chlorobenzene	112	10.957	10.957	0.000	95	3581351	25.0	25.3	
111 1,1,1,2-Tetrachloroethane	131	11.042	11.042	0.000	97	1310120	25.0	25.7	
112 Ethylbenzene	91	11.048	11.048	0.000	98	6414234	25.0	25.3	
113 m-Xylene & p-Xylene	106	11.164	11.164	0.000	93	5087535	50.0	51.4	
S 110 Xylenes, Total	106				0			77.1	
114 o-Xylene	106	11.500	11.499	0.001	96	2535435	25.0	25.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
115 Styrene	104	11.518	11.512	0.006	95	4088336	25.0	26.2	
116 Bromoform	173	11.670	11.670	0.000	98	769541	25.0	26.9	
117 Isopropylbenzene	105	11.804	11.804	0.000	96	6156446	25.0	25.4	
$ 120 4-Bromofluorobenzene (Surr)	95	11.951	11.951	0.000	95	583819	10.0	9.94	
121 1,1,2,2-Tetrachloroethane	83	12.054	12.054	0.000	92	1182561	25.0	25.8	
122 Bromobenzene	156	12.066	12.066	0.000	94	1573767	25.0	25.7	
123 trans-1,4-Dichloro-2-butene	53	12.079	12.079	0.000	92	3078494	250.0	246.2	
124 1,2,3-Trichloropropane	110	12.097	12.097	0.000	80	315237	25.0	25.7	
125 N-Propylbenzene	91	12.140	12.133	0.007	99	7554726	25.0	25.4	
126 2-Chlorotoluene	126	12.213	12.213	0.000	97	1556335	25.0	25.9	
127 1,3,5-Trimethylbenzene	105	12.274	12.274	0.000	94	5582909	25.0	25.6	
128 4-Chlorotoluene	126	12.304	12.304	0.000	97	1571763	25.0	25.8	
129 tert-Butylbenzene	134	12.518	12.518	0.000	93	1228114	25.0	25.8	M
130 Pentachloroethane	167	12.548	12.548	0.000	93	1050907	25.0	27.5	
131 1,2,4-Trimethylbenzene	105	12.560	12.560	0.000	97	5683163	25.0	26.1	
132 sec-Butylbenzene	105	12.682	12.682	0.000	94	7173750	25.0	25.8	
133 1,3-Dichlorobenzene	146	12.780	12.780	0.000	98	3128005	25.0	26.1	
134 4-Isopropyltoluene	119	12.792	12.792	0.000	97	6271782	25.0	26.0	
* 135 1,4-Dichlorobenzene-d4	152	12.835	12.835	0.001	93	703773	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.853	12.853	0.000	95	3129540	25.0	25.5	
137 1,2,3-Trimethylbenzene	120	12.865	12.865	0.000	98	2535740	25.0	25.6	
138 Benzyl chloride	126	12.932	12.932	0.000	98	513837	25.0	27.6	
139 n-Butylbenzene	92	13.085	13.084	0.001	98	3094229	25.0	26.9	
140 1,2-Dichlorobenzene	146	13.109	13.109	0.000	99	2873310	25.0	25.7	
142 1,2-Dibromo-3-Chloropropane	155	13.658	13.658	0.000	89	202236	25.0	27.8	
143 1,3,5-Trichlorobenzene	180	13.786	13.786	0.000	98	2354060	25.0	26.8	
144 1,2,4-Trichlorobenzene	180	14.206	14.206	0.000	94	2022495	25.0	27.7	
145 Hexachlorobutadiene	225	14.292	14.292	0.000	95	914586	25.0	26.8	
146 Naphthalene	128	14.383	14.383	0.000	97	3681672	25.0	26.7	
147 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	96	1650913	25.0	27.1	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00117	Amount Added: 25.00	Units: uL	
MSV_LL_#2_826_00127	Amount Added: 25.00	Units: uL	
MSV_LL_GAS826_00194	Amount Added: 25.00	Units: uL	
MSV_LLcentISS_00012	Amount Added: 5.00	Units: uL	Run Reagent

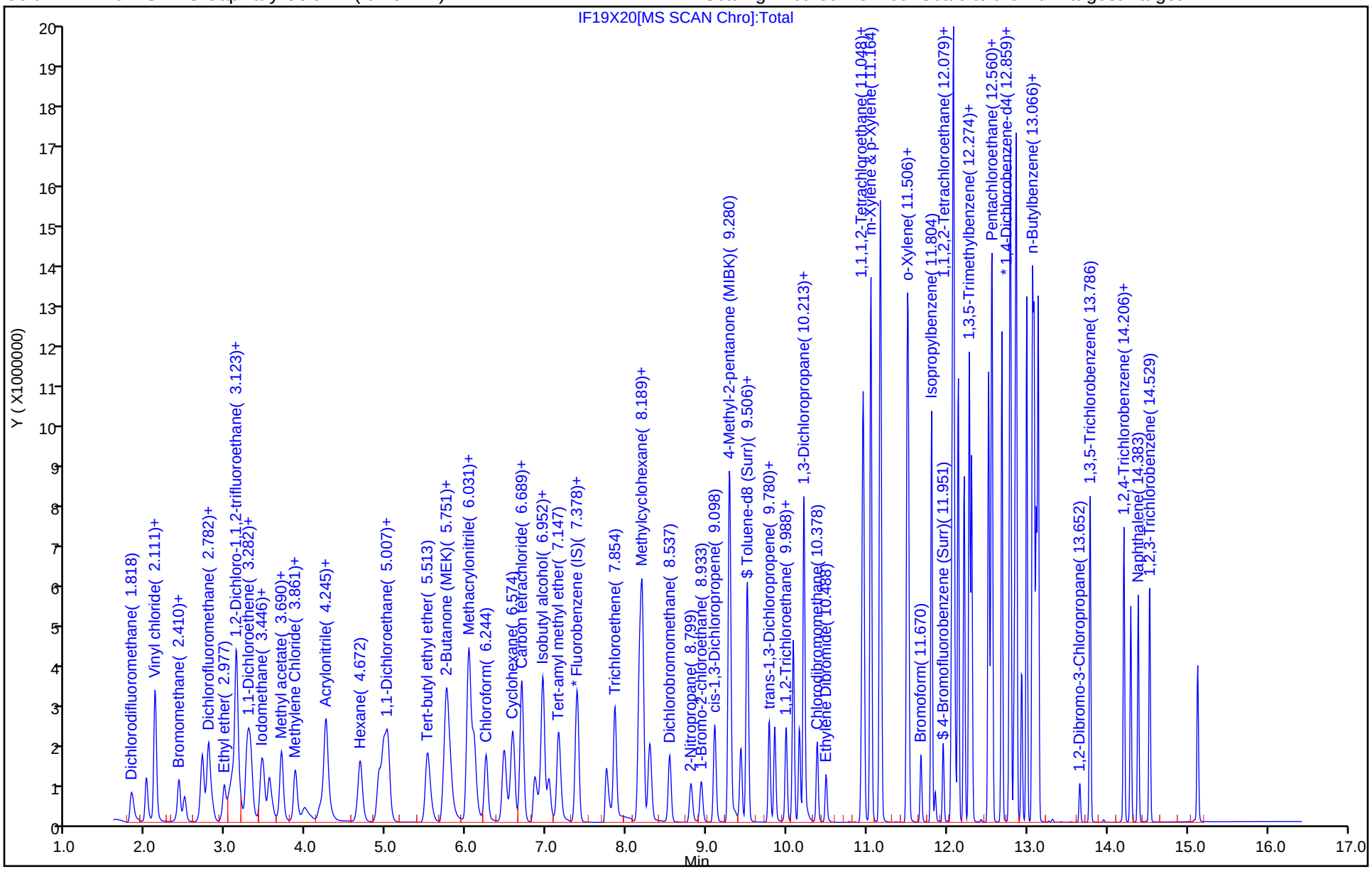
Report Date: 07-Mar-2024 15:44:18 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X20.D

Injection Date:	20-Feb-2024 06:14:30	Instrument ID:	19930	Operator ID:	gaw91131
Lims ID:	IC std7			Worklist Smp#:	20
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

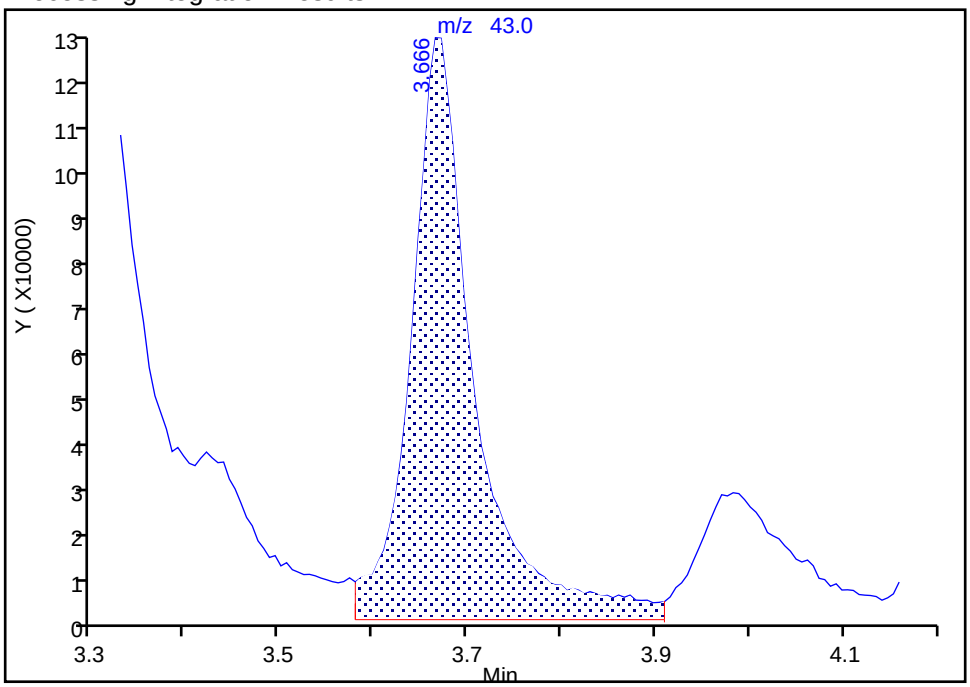
Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X20.D				
Injection Date:	20-Feb-2024 06:14:30	Instrument ID:	19930		
Lims ID:	IC std7				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

23 Methyl acetate, CAS: 79-20-9

Signal: 1

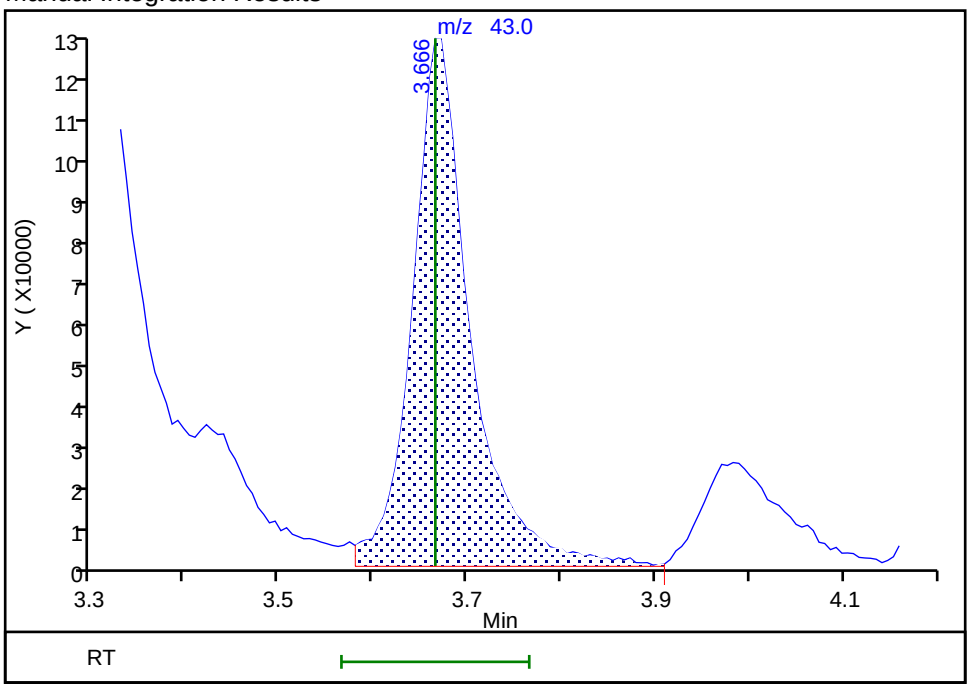
Processing Integration Results

RT: 3.67
Area: 591179
Amount: 28.054566
Amount Units: ug/l



Manual Integration Results

RT: 3.67
Area: 520143
Amount: 25.643347
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:56:44 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

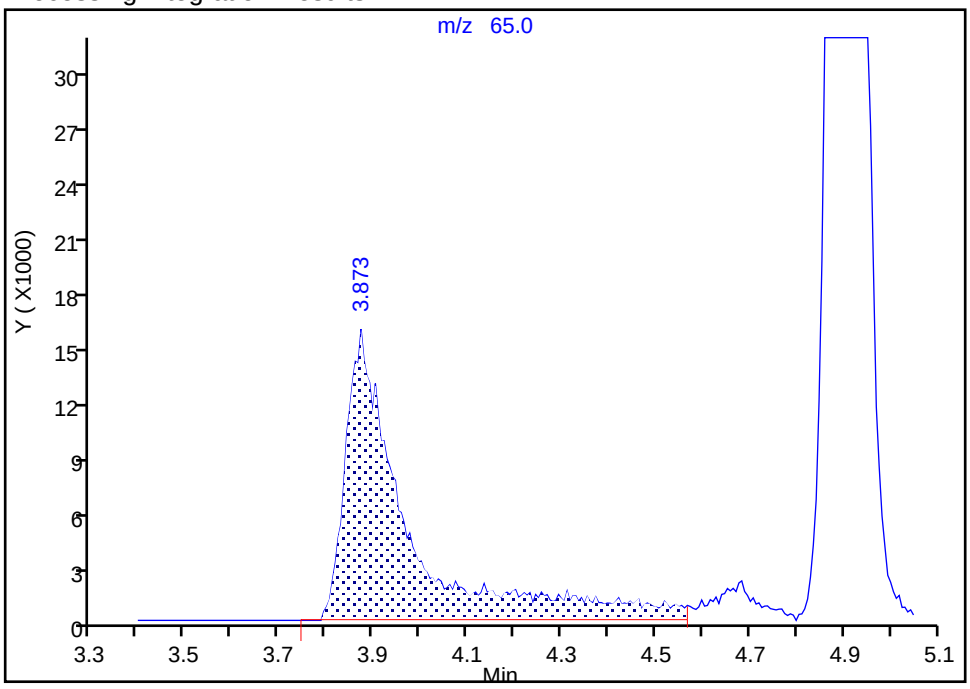
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X20.D
Injection Date: 20-Feb-2024 06:14:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: gaw91131 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

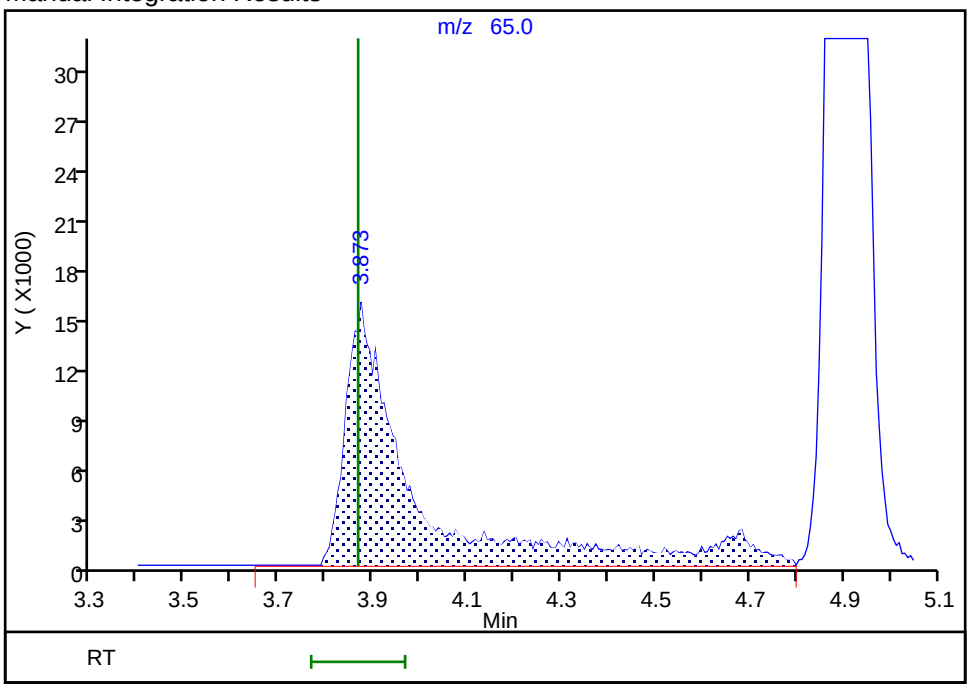
Processing Integration Results

RT: 3.87
Area: 141413
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.87
Area: 154799
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:56:54 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

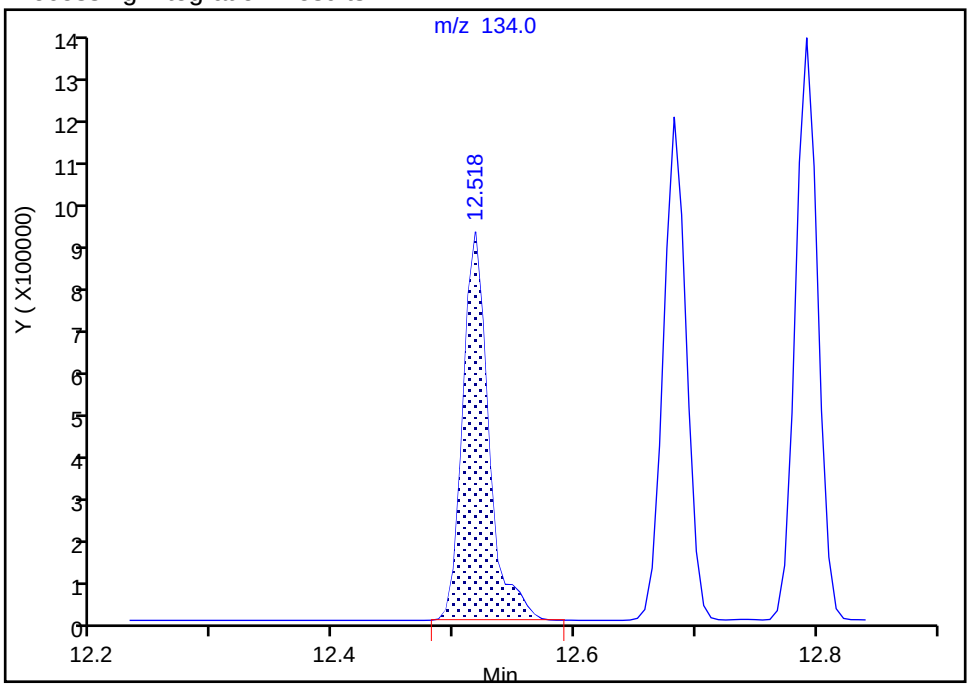
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X20.D
Injection Date: 20-Feb-2024 06:14:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: gaw91131 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

129 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

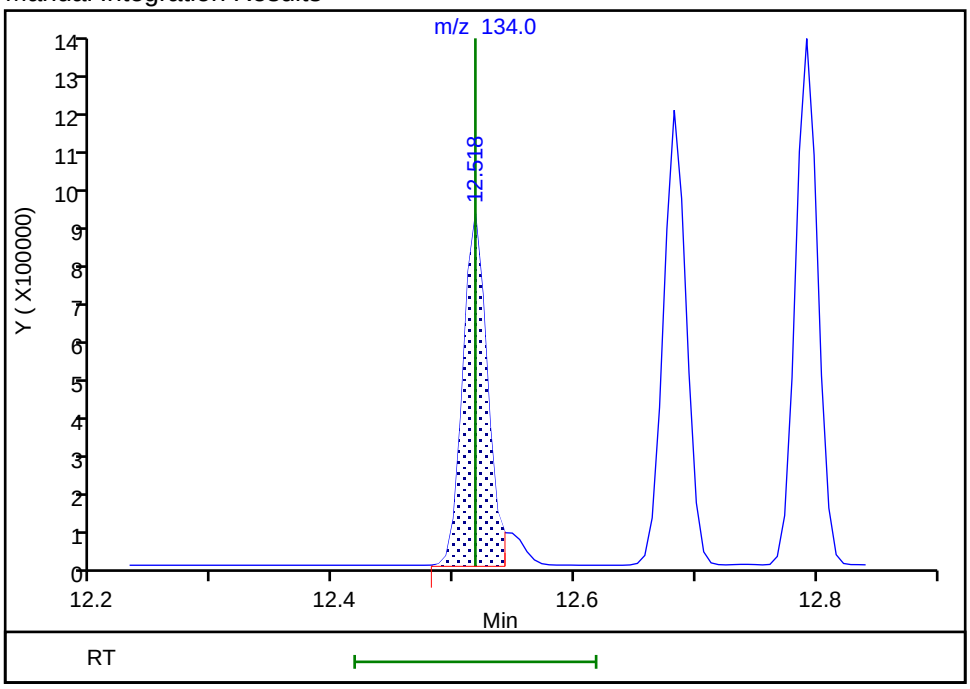
Processing Integration Results

RT: 12.52
Area: 1299749
Amount: 27.091428
Amount Units: ug/l



Manual Integration Results

RT: 12.52
Area: 1228114
Amount: 25.818587
Amount Units: ug/l



Reviewer: UKEK, 28-Feb-2024 09:23:54 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

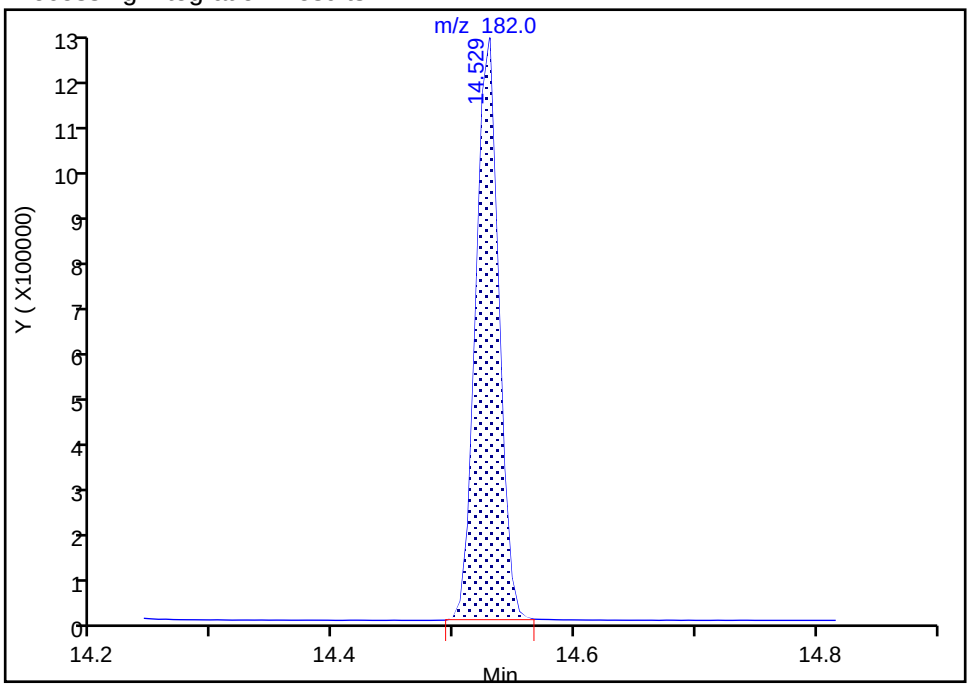
Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X20.D				
Injection Date:	20-Feb-2024 06:14:30	Instrument ID:	19930		
Lims ID:	IC std7				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

147 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 2

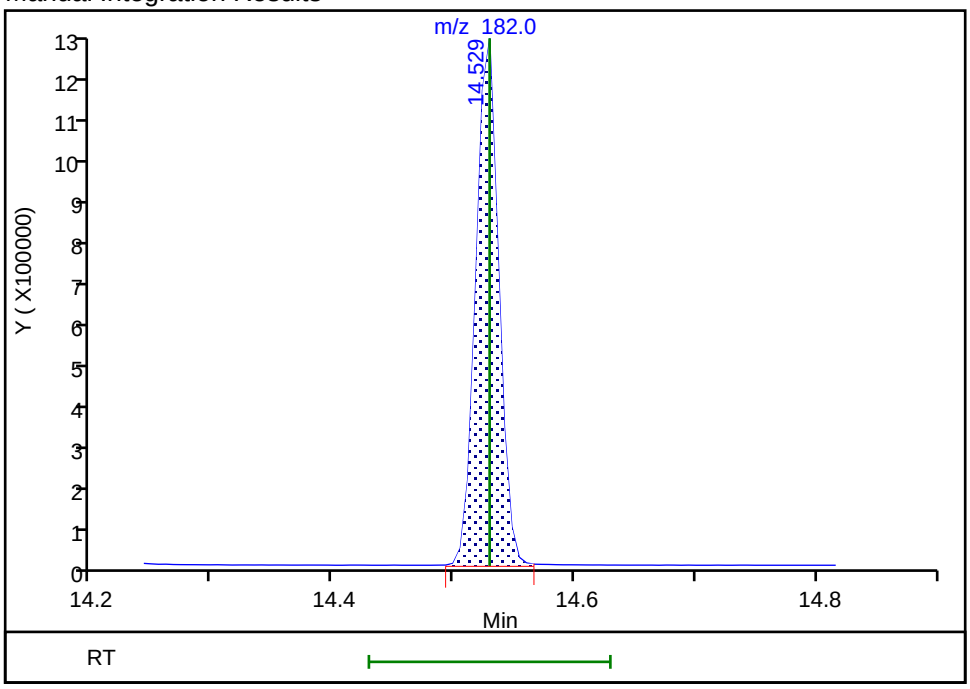
Processing Integration Results

RT: 14.53
Area: 1580321
Amount: 27.061782
Amount Units: ug/l



Manual Integration Results

RT: 14.53
Area: 1580321
Amount: 27.061782
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:57:38 -05:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

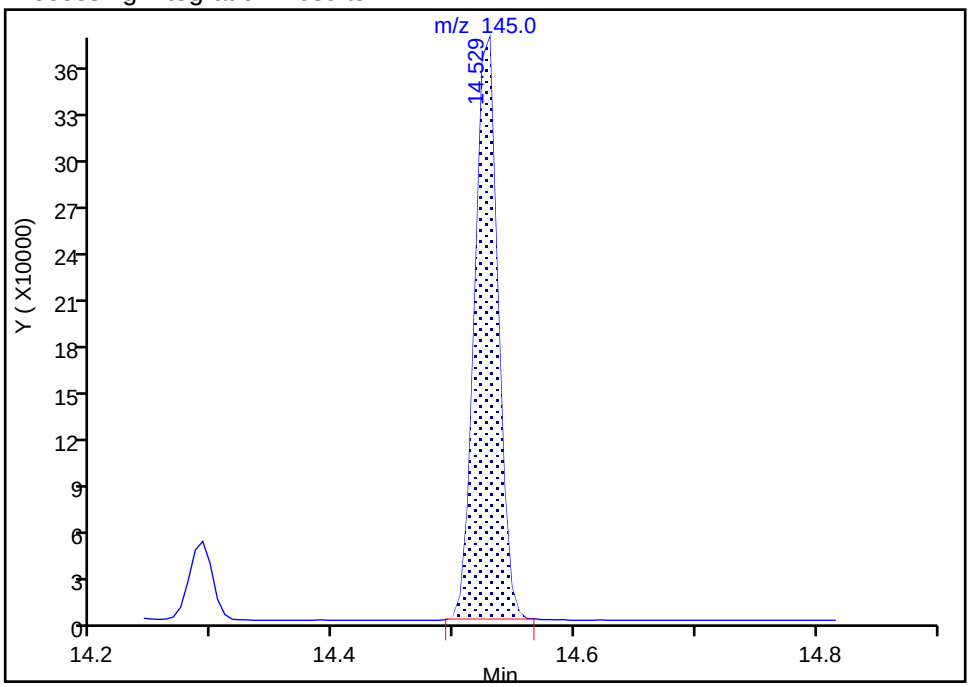
Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X20.D				
Injection Date:	20-Feb-2024 06:14:30	Instrument ID:	19930		
Lims ID:	IC std7				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

147 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 3

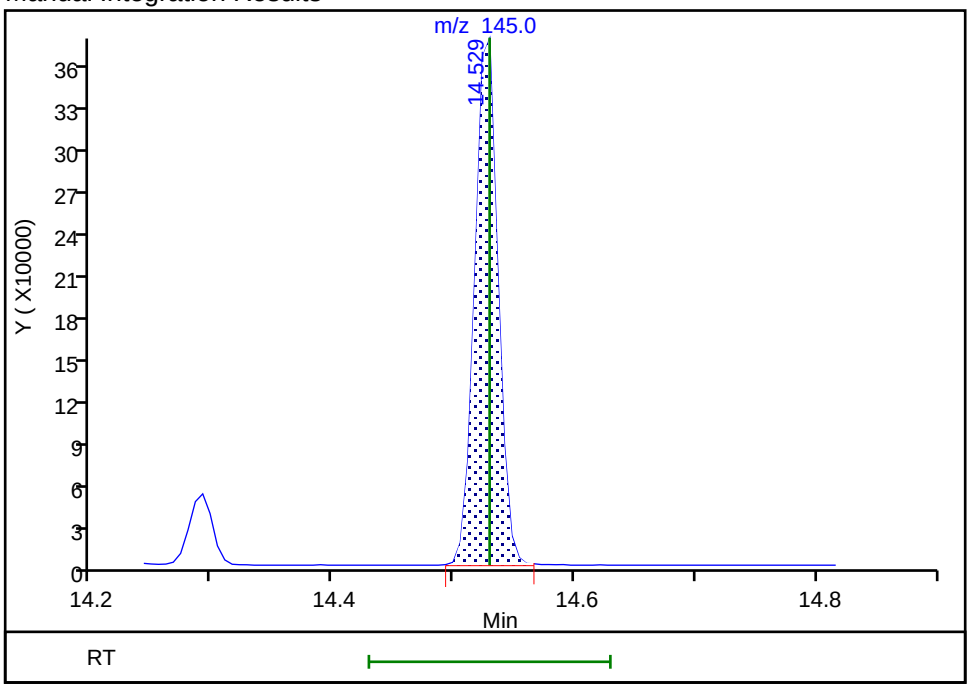
Processing Integration Results

RT: 14.53
Area: 499826
Amount: 27.061782
Amount Units: ug/l



Manual Integration Results

RT: 14.53
Area: 499826
Amount: 27.061782
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:57:38 -05:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

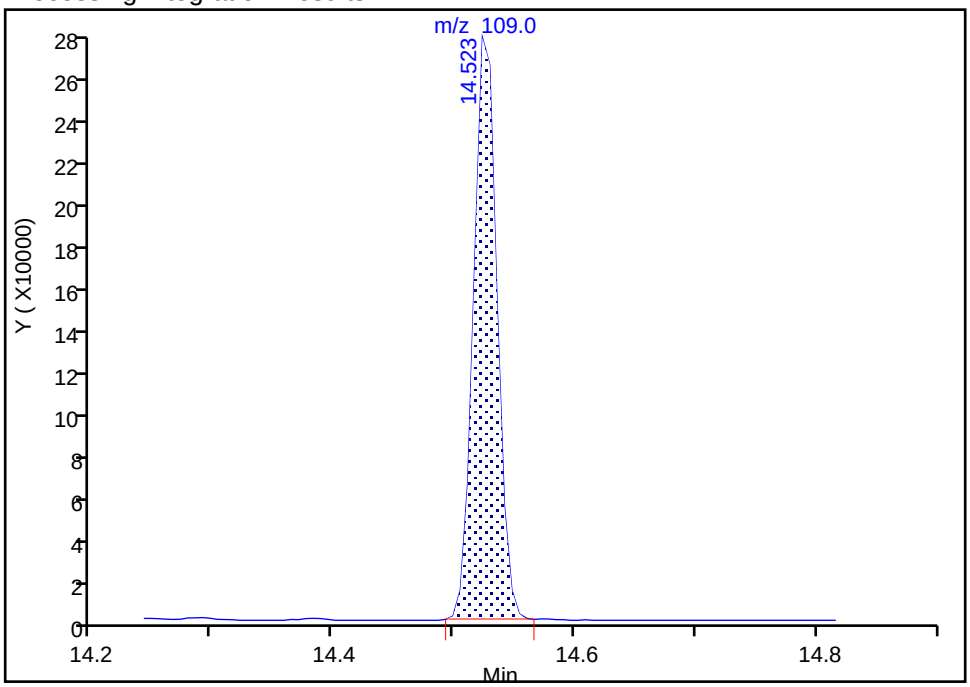
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X20.D
Injection Date: 20-Feb-2024 06:14:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: gaw91131 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

147 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 4

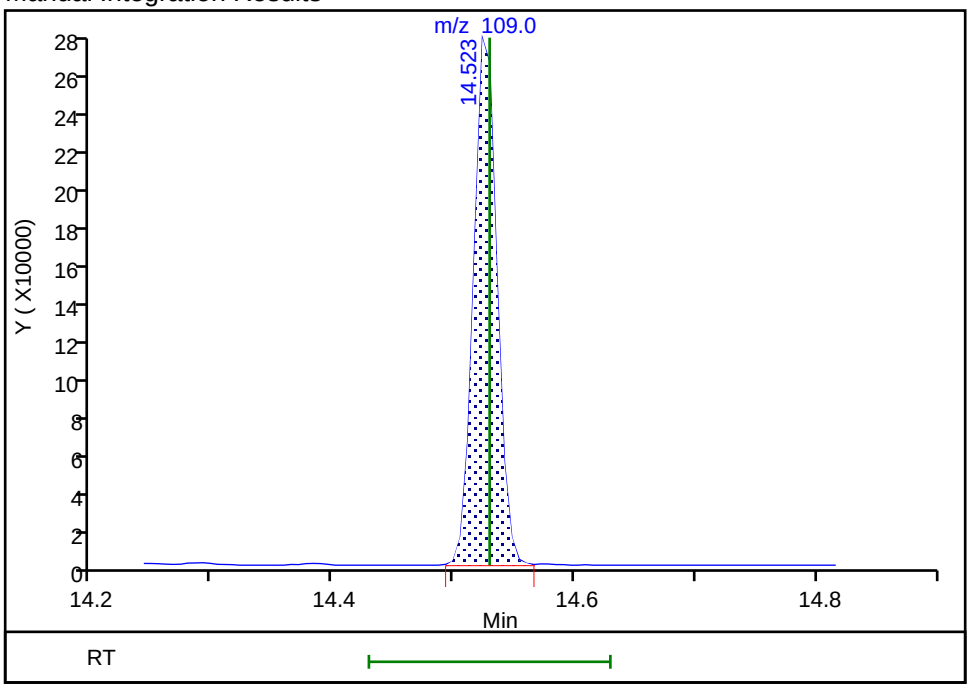
Processing Integration Results

RT: 14.52
Area: 372477
Amount: 27.061782
Amount Units: ug/l



Manual Integration Results

RT: 14.52
Area: 372477
Amount: 27.061782
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:57:38 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

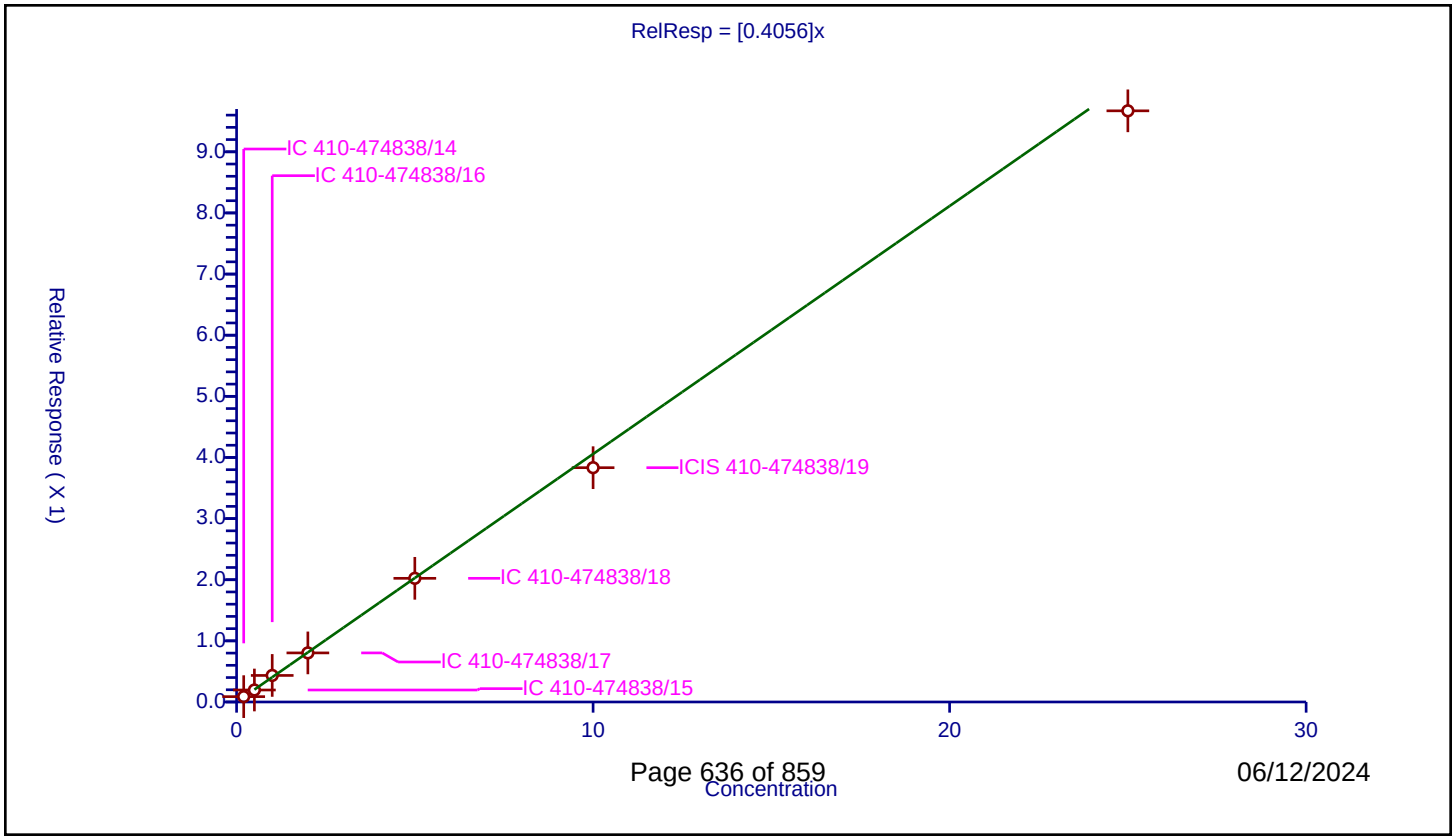
Curve Coefficients

Intercept:	0
Slope:	0.4056

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.087388	10.0	1560735.0	0.436942	Y
2	IC 410-474838/15	0.5	0.195955	10.0	1564746.0	0.39191	Y
3	IC 410-474838/16	1.0	0.434435	10.0	1504988.0	0.434435	Y
4	IC 410-474838/17	2.0	0.802994	10.0	1566550.0	0.401497	Y
5	IC 410-474838/18	5.0	2.023181	10.0	1563464.0	0.404636	Y
6	ICIS 410-474838/19	10.0	3.832926	10.0	1568285.0	0.383293	Y
7	IC 410-474838/20	25.0	9.670488	10.0	1570929.0	0.38682	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

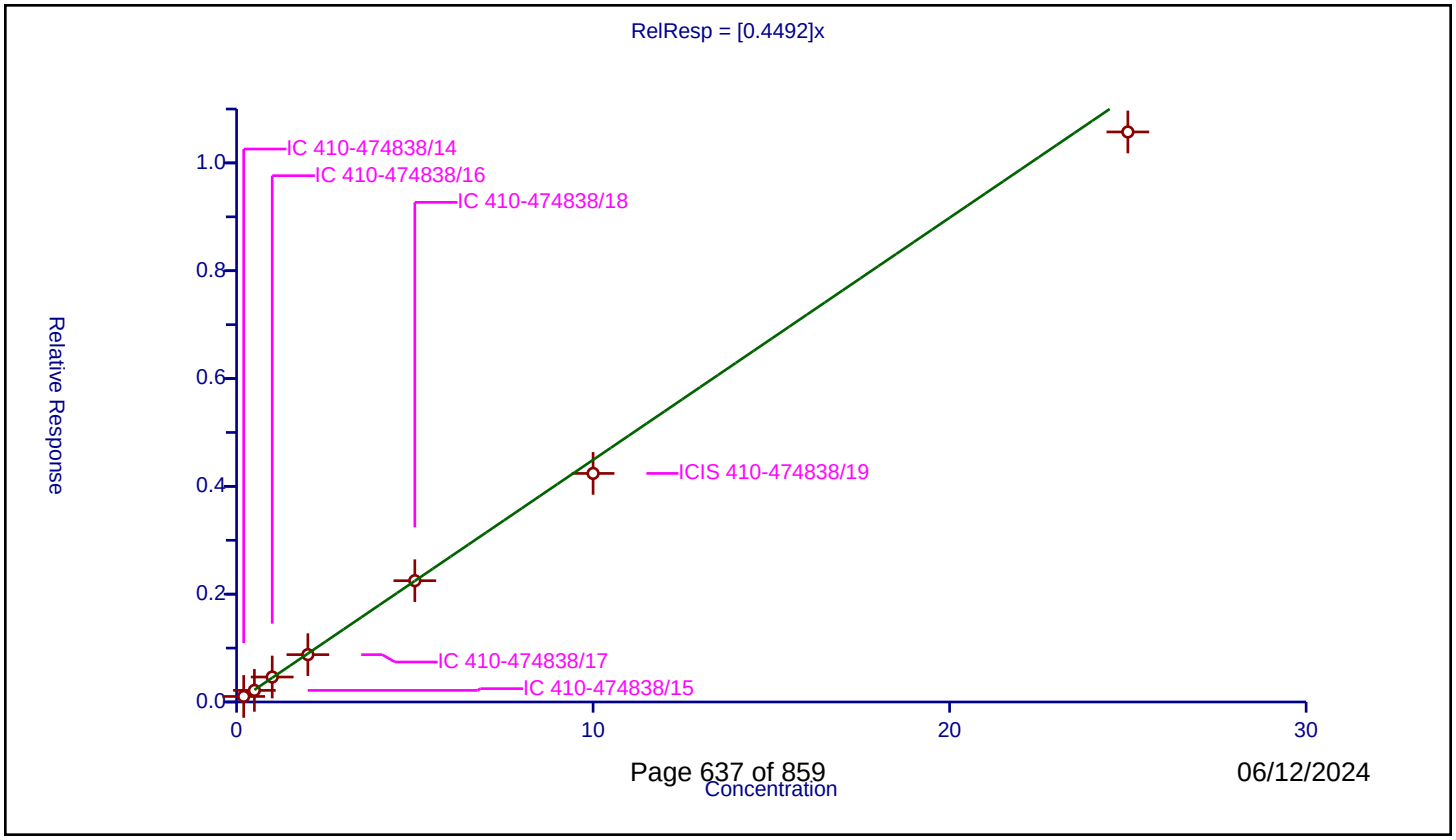
Curve Coefficients

Intercept:	0
Slope:	0.4492

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.102772	10.0	1560735.0	0.51386	Y
2	IC 410-474838/15	0.5	0.215492	10.0	1564746.0	0.430984	Y
3	IC 410-474838/16	1.0	0.46322	10.0	1504988.0	0.46322	Y
4	IC 410-474838/17	2.0	0.878185	10.0	1566550.0	0.439092	Y
5	IC 410-474838/18	5.0	2.250138	10.0	1563464.0	0.450028	Y
6	ICIS 410-474838/19	10.0	4.240122	10.0	1568285.0	0.424012	Y
7	IC 410-474838/20	25.0	10.574526	10.0	1570929.0	0.422981	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

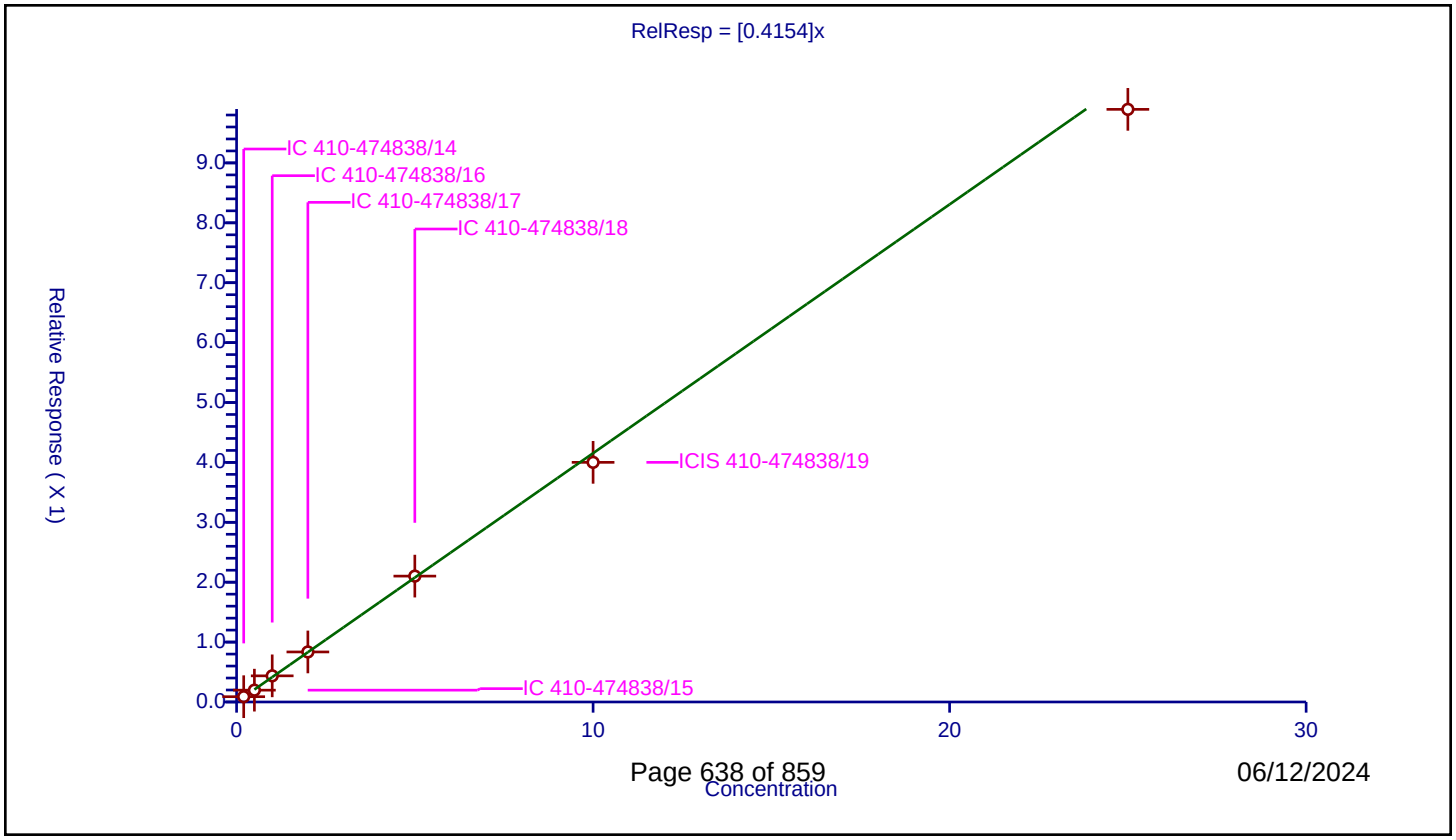
Curve Coefficients

Intercept:	0
Slope:	0.4154

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.088535	10.0	1560735.0	0.442676	Y
2	IC 410-474838/15	0.5	0.197367	10.0	1564746.0	0.394735	Y
3	IC 410-474838/16	1.0	0.436396	10.0	1504988.0	0.436396	Y
4	IC 410-474838/17	2.0	0.835358	10.0	1566550.0	0.417679	Y
5	IC 410-474838/18	5.0	2.101647	10.0	1563464.0	0.420329	Y
6	ICIS 410-474838/19	10.0	4.000982	10.0	1568285.0	0.400098	Y
7	IC 410-474838/20	25.0	9.894228	10.0	1570929.0	0.395769	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

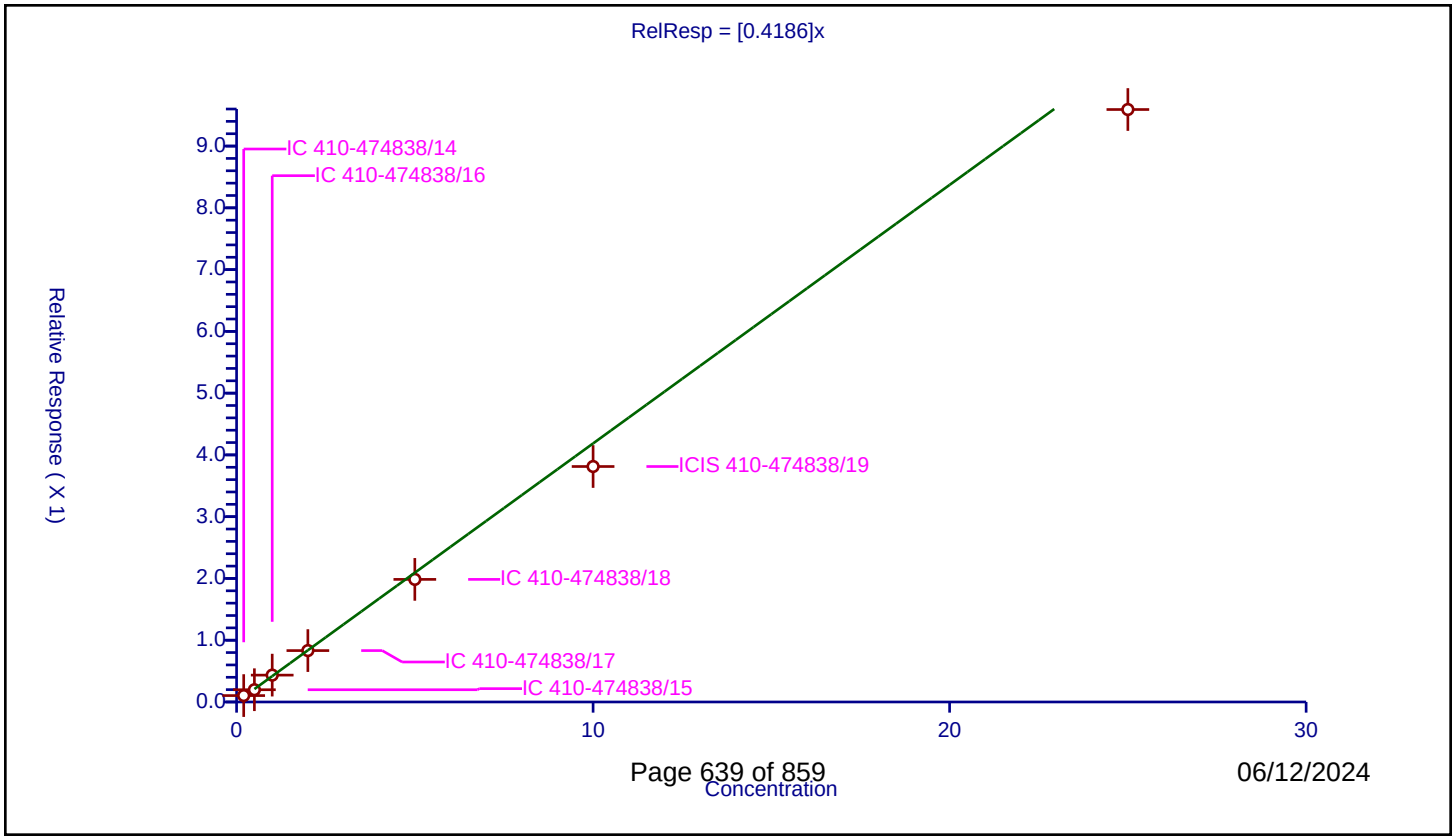
Curve Coefficients

Intercept:	0
Slope:	0.4186

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.103932	10.0	1560735.0	0.519659	Y
2	IC 410-474838/15	0.5	0.198588	10.0	1564746.0	0.397176	Y
3	IC 410-474838/16	1.0	0.435146	10.0	1504988.0	0.435146	Y
4	IC 410-474838/17	2.0	0.832313	10.0	1566550.0	0.416157	Y
5	IC 410-474838/18	5.0	1.984753	10.0	1563464.0	0.396951	Y
6	ICIS 410-474838/19	10.0	3.812464	10.0	1568285.0	0.381246	Y
7	IC 410-474838/20	25.0	9.591987	10.0	1570929.0	0.383679	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

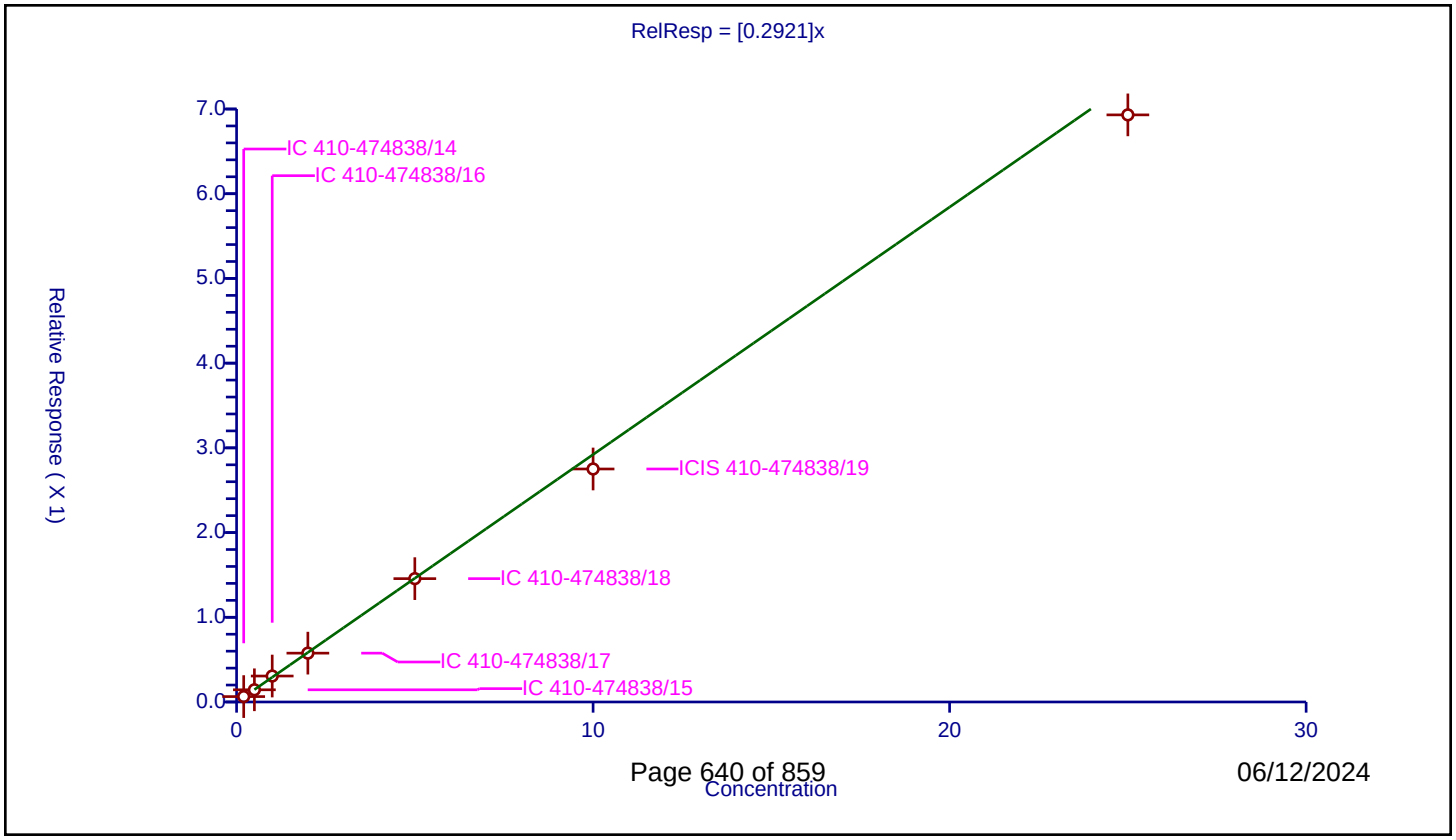
Curve Coefficients

Intercept:	0
Slope:	0.2921

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.063637	10.0	1560735.0	0.318183	Y
2	IC 410-474838/15	0.5	0.144094	10.0	1564746.0	0.288187	Y
3	IC 410-474838/16	1.0	0.3066	10.0	1504988.0	0.3066	Y
4	IC 410-474838/17	2.0	0.576579	10.0	1566550.0	0.28829	Y
5	IC 410-474838/18	5.0	1.456113	10.0	1563464.0	0.291223	Y
6	ICIS 410-474838/19	10.0	2.750622	10.0	1568285.0	0.275062	Y
7	IC 410-474838/20	25.0	6.930829	10.0	1570929.0	0.277233	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

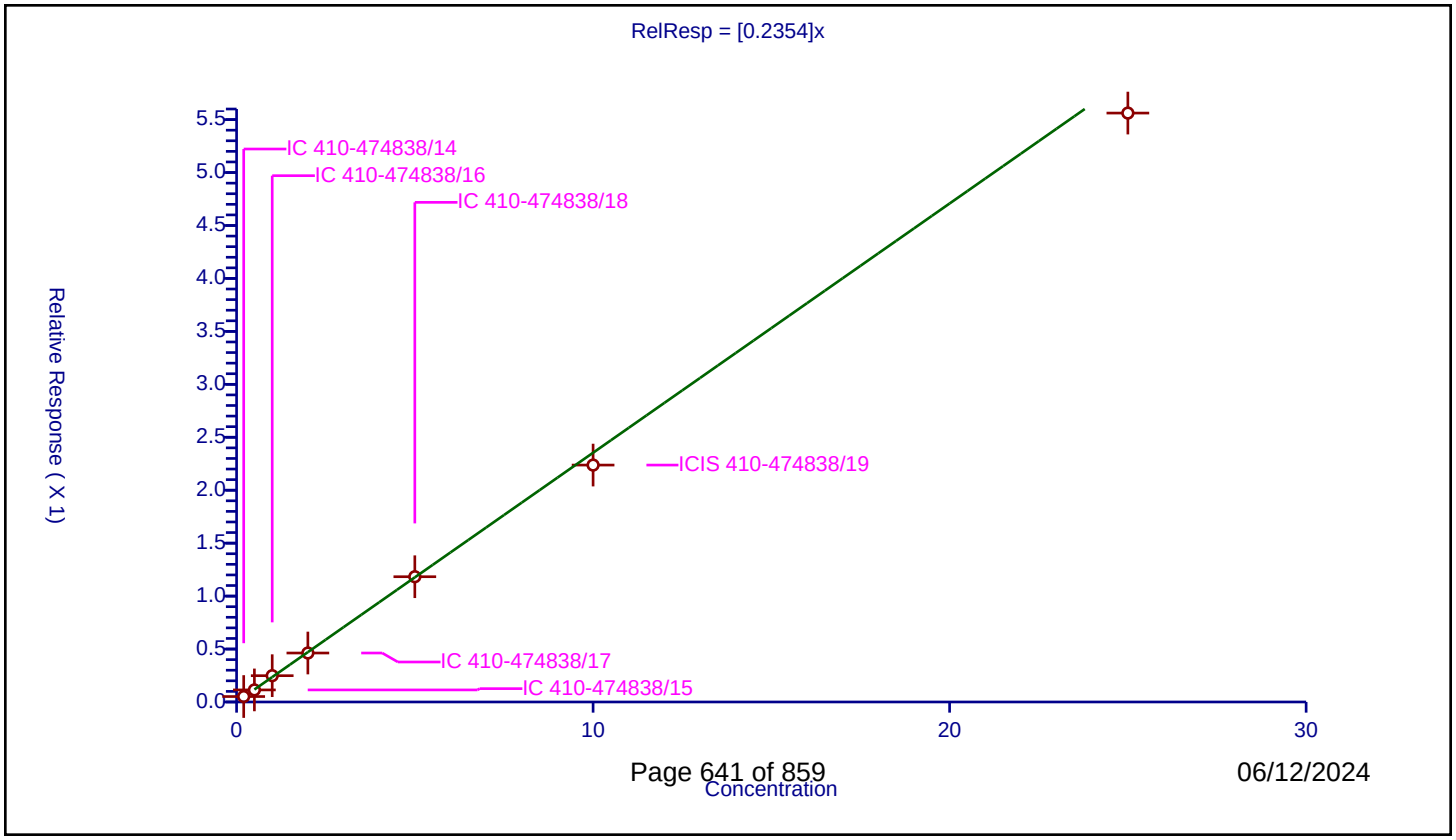
Curve Coefficients

Intercept:	0
Slope:	0.2354

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.051469	10.0	1560735.0	0.257347	Y
2	IC 410-474838/15	0.5	0.113884	10.0	1564746.0	0.227769	Y
3	IC 410-474838/16	1.0	0.248527	10.0	1504988.0	0.248527	Y
4	IC 410-474838/17	2.0	0.462532	10.0	1566550.0	0.231266	Y
5	IC 410-474838/18	5.0	1.183008	10.0	1563464.0	0.236602	Y
6	ICIS 410-474838/19	10.0	2.237393	10.0	1568285.0	0.223739	Y
7	IC 410-474838/20	25.0	5.561614	10.0	1570929.0	0.222465	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

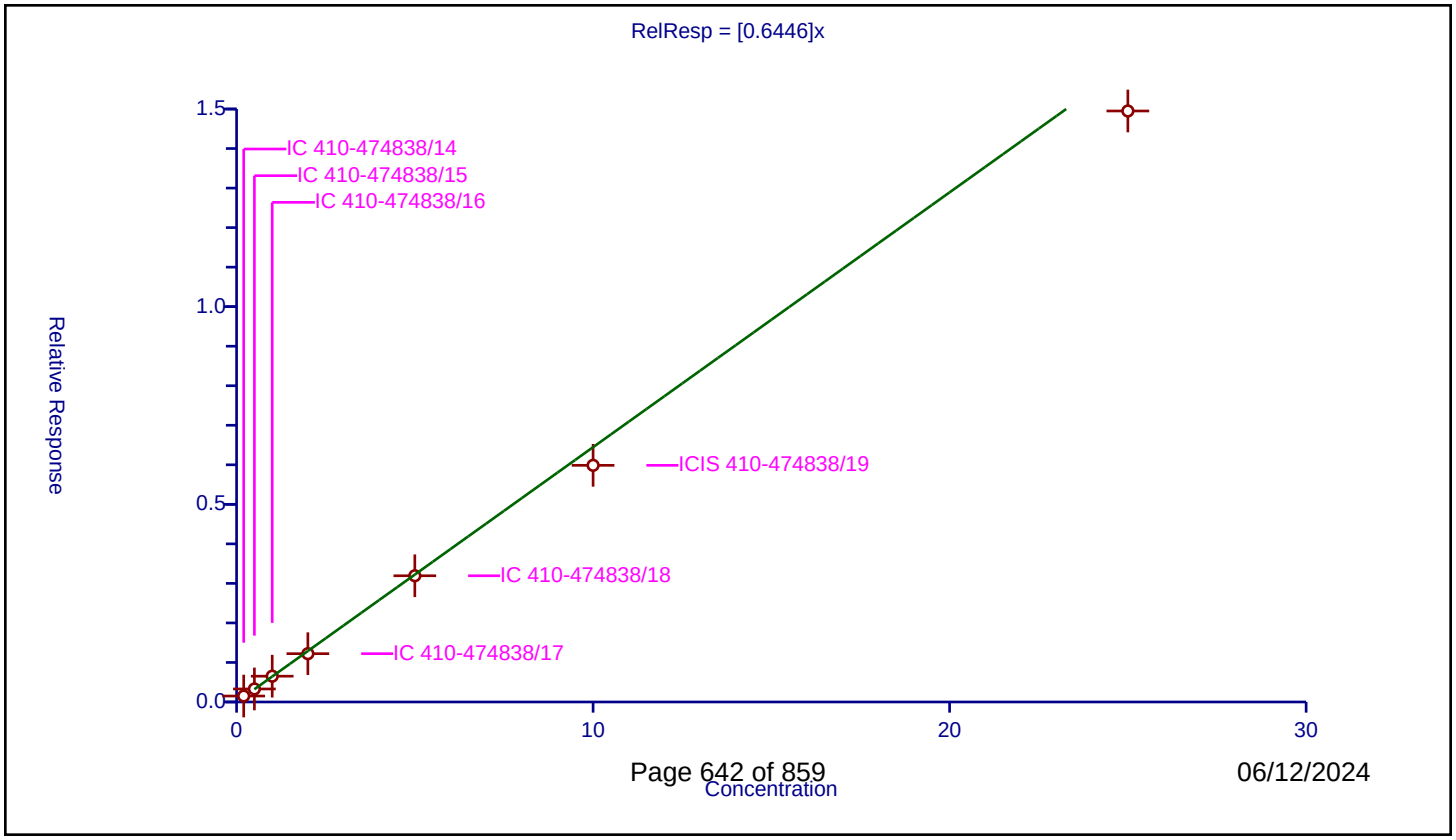
Curve Coefficients

Intercept:	0
Slope:	0.6446

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.150666	10.0	1560735.0	0.753331	Y
2	IC 410-474838/15	0.5	0.329766	10.0	1564746.0	0.659532	Y
3	IC 410-474838/16	1.0	0.652935	10.0	1504988.0	0.652935	Y
4	IC 410-474838/17	2.0	1.221946	10.0	1566550.0	0.610973	Y
5	IC 410-474838/18	5.0	3.193377	10.0	1563464.0	0.638675	Y
6	ICIS 410-474838/19	10.0	5.986393	10.0	1568285.0	0.598639	Y
7	IC 410-474838/20	25.0	14.950402	10.0	1570929.0	0.598016	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

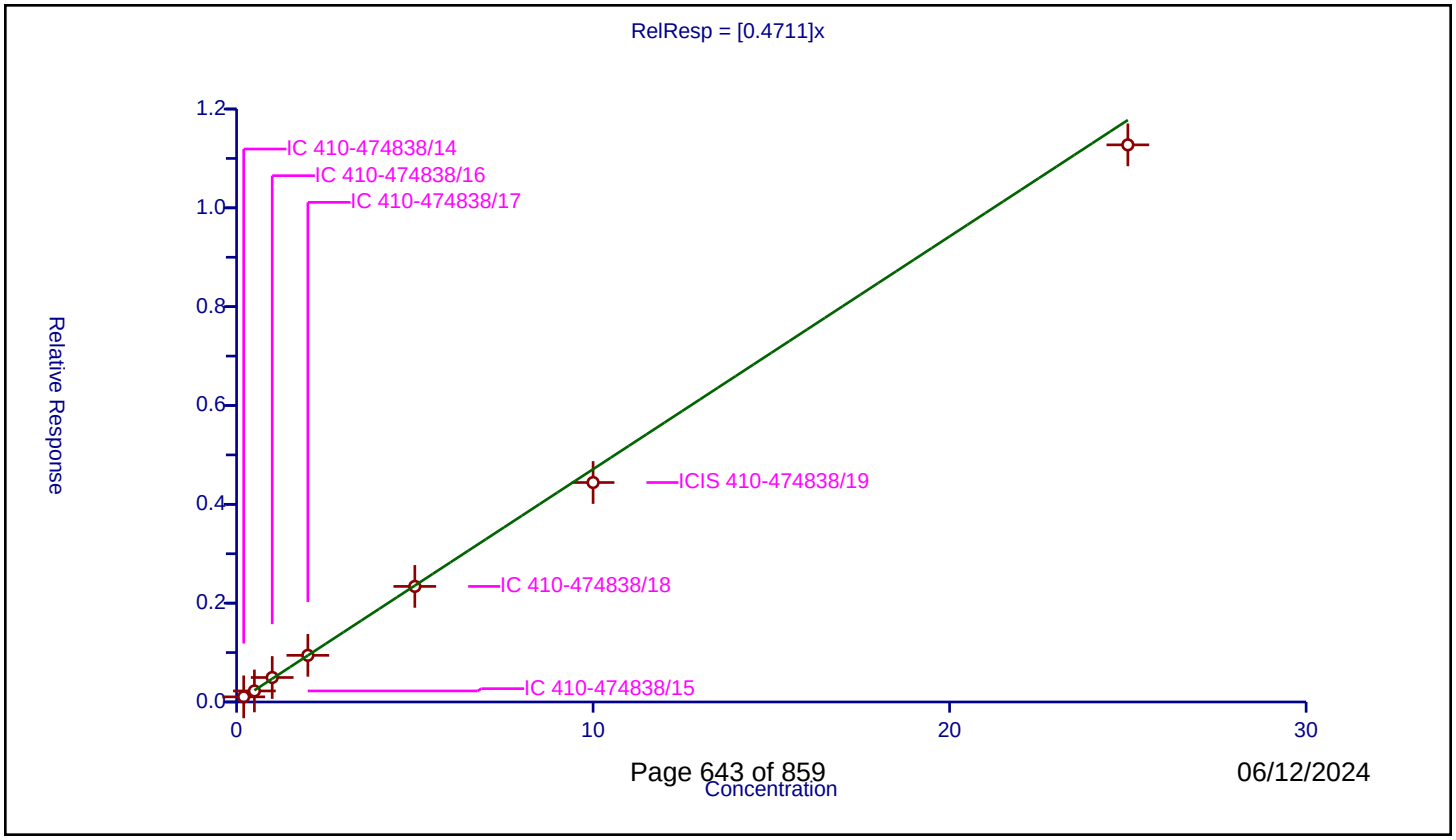
Curve Coefficients

Intercept:	0
Slope:	0.4711

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.103938	10.0	1560735.0	0.519691	Y
2	IC 410-474838/15	0.5	0.223442	10.0	1564746.0	0.446884	Y
3	IC 410-474838/16	1.0	0.495931	10.0	1504988.0	0.495931	Y
4	IC 410-474838/17	2.0	0.944311	10.0	1566550.0	0.472155	Y
5	IC 410-474838/18	5.0	2.339306	10.0	1563464.0	0.467861	Y
6	ICIS 410-474838/19	10.0	4.441374	10.0	1568285.0	0.444137	Y
7	IC 410-474838/20	25.0	11.274443	10.0	1570929.0	0.450978	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

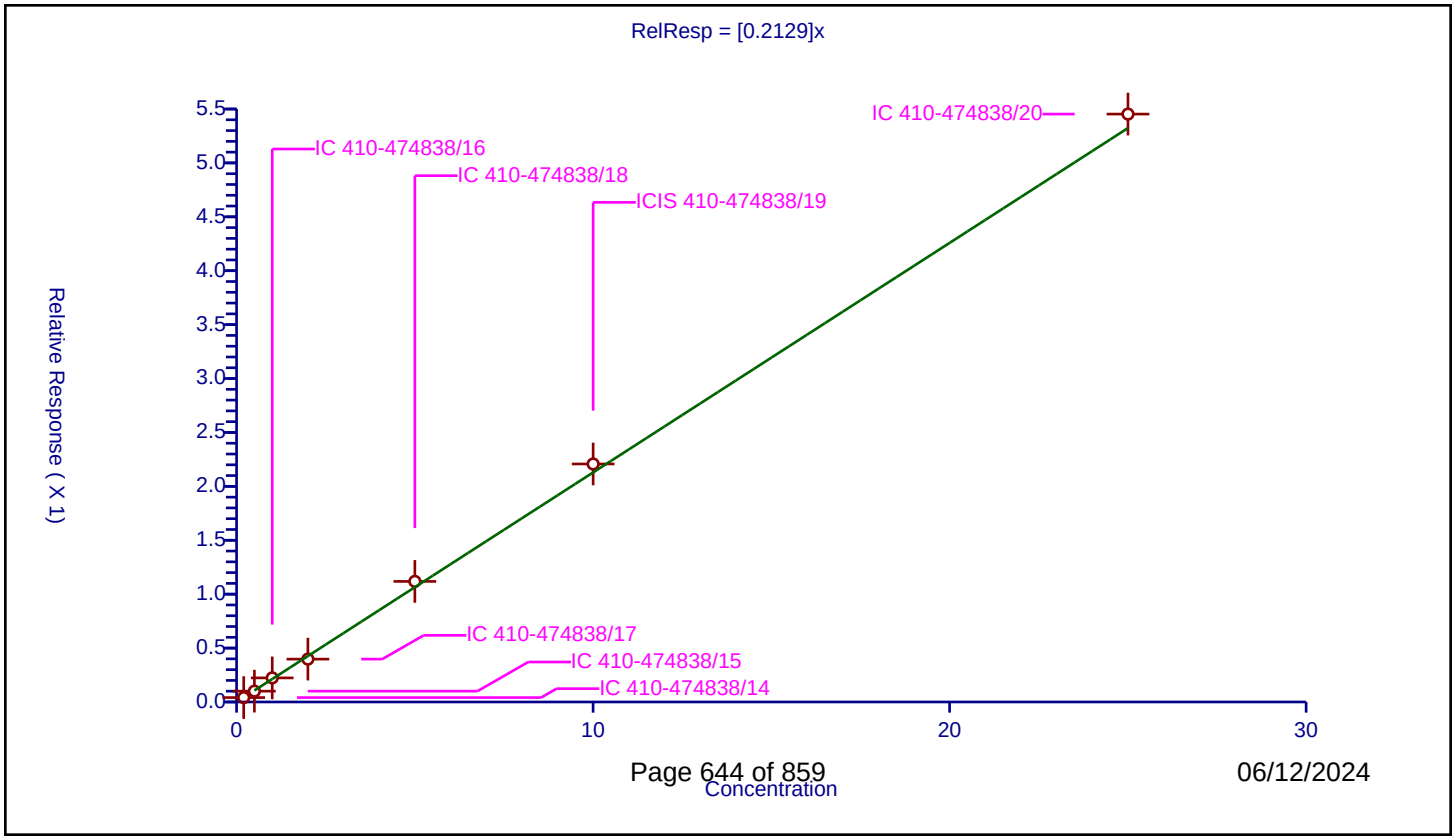
Curve Coefficients

Intercept:	0
Slope:	0.2129

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.200028	0.040936	10.0	1560735.0	0.204651	Y
2	IC 410-474838/15	0.500069	0.100547	10.0	1564746.0	0.201065	Y
3	IC 410-474838/16	1.000139	0.223397	10.0	1504988.0	0.223366	Y
4	IC 410-474838/17	2.000277	0.3976	10.0	1566550.0	0.198772	Y
5	IC 410-474838/18	5.000693	1.11844	10.0	1563464.0	0.223657	Y
6	ICIS 410-474838/19	10.001386	2.207545	10.0	1568285.0	0.220724	Y
7	IC 410-474838/20	25.003465	5.453054	10.0	1570929.0	0.218092	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

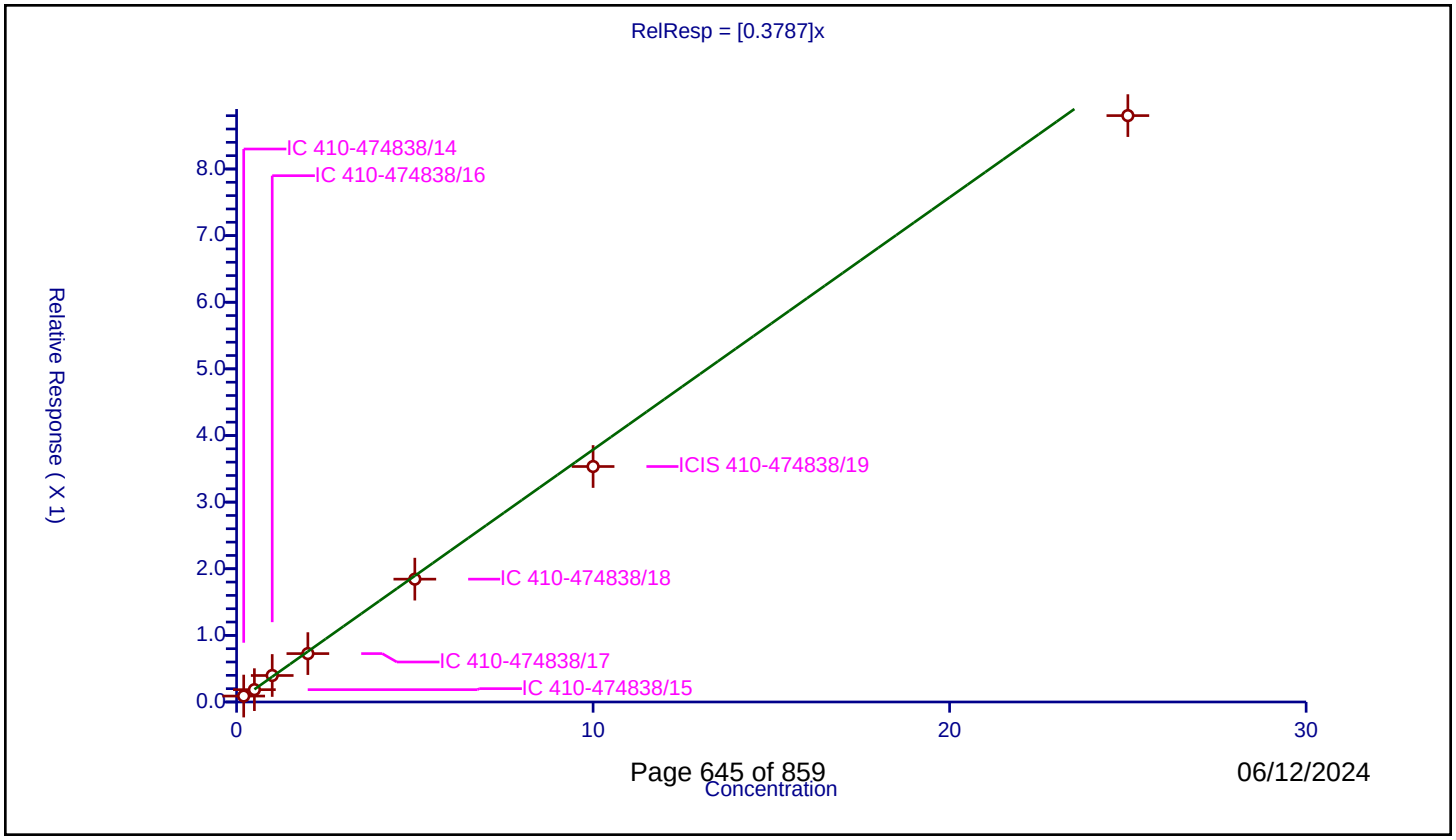
Curve Coefficients

Intercept:	0
Slope:	0.3787

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.089195	10.0	1560735.0	0.445976	Y
2	IC 410-474838/15	0.5	0.184963	10.0	1564746.0	0.369926	Y
3	IC 410-474838/16	1.0	0.397751	10.0	1504988.0	0.397751	Y
4	IC 410-474838/17	2.0	0.726099	10.0	1566550.0	0.363049	Y
5	IC 410-474838/18	5.0	1.843663	10.0	1563464.0	0.368733	Y
6	ICIS 410-474838/19	10.0	3.53416	10.0	1568285.0	0.353416	Y
7	IC 410-474838/20	25.0	8.801047	10.0	1570929.0	0.352042	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

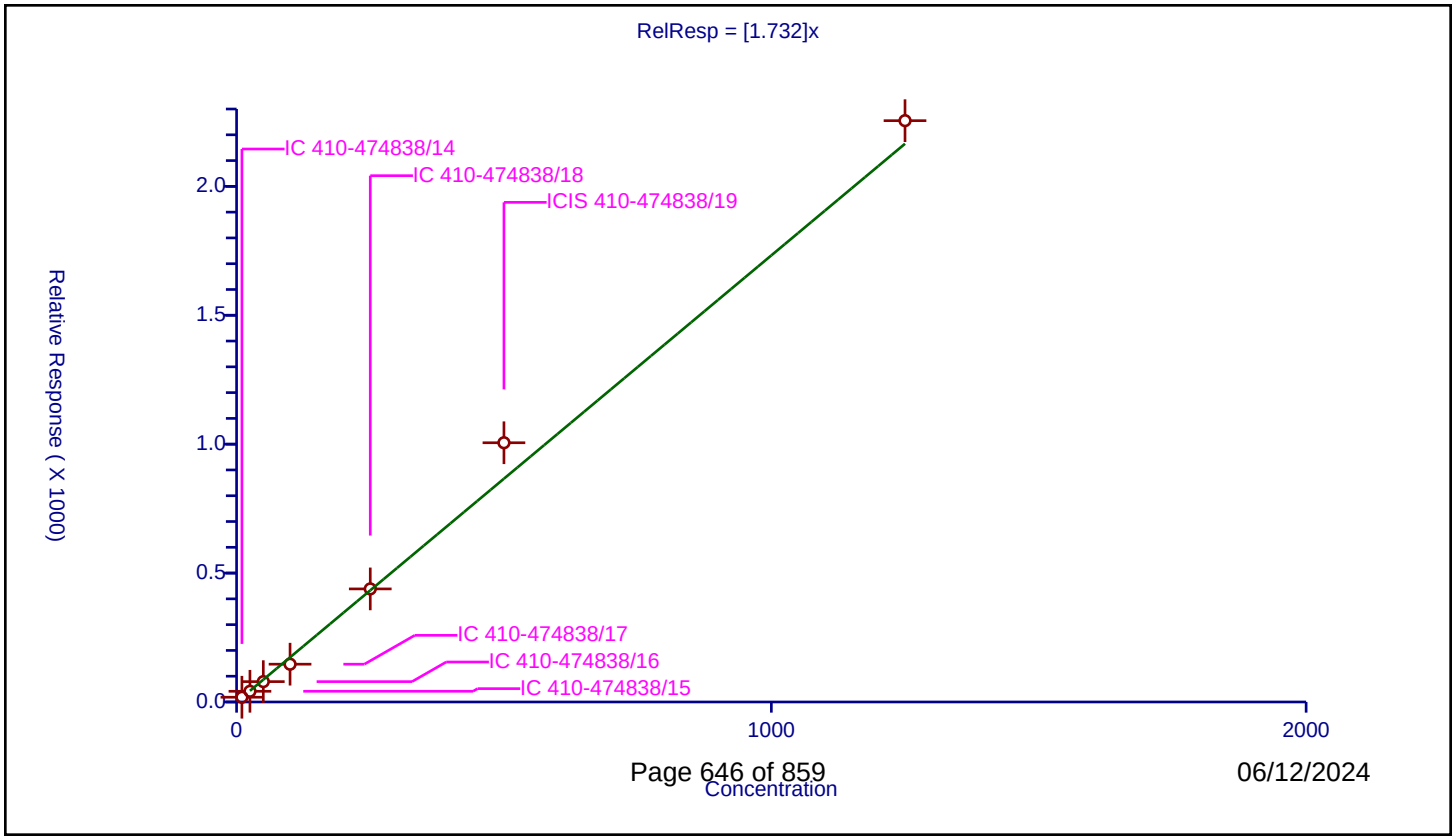
Curve Coefficients

Intercept:	0
Slope:	1.732

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	9.999756	18.479029	50.0	125913.0	1.847948	Y
2	IC 410-474838/15	24.99939	41.570033	50.0	129354.0	1.662842	Y
3	IC 410-474838/16	49.99878	78.977783	50.0	143717.0	1.579594	Y
4	IC 410-474838/17	99.99756	146.5743	50.0	153049.0	1.465779	Y
5	IC 410-474838/18	249.9939	438.634904	50.0	157227.0	1.754582	Y
6	ICIS 410-474838/19	499.9878	1005.571759	50.0	136115.0	2.011193	Y
7	IC 410-474838/20	1249.9695	2254.825936	50.0	154799.0	1.803905	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

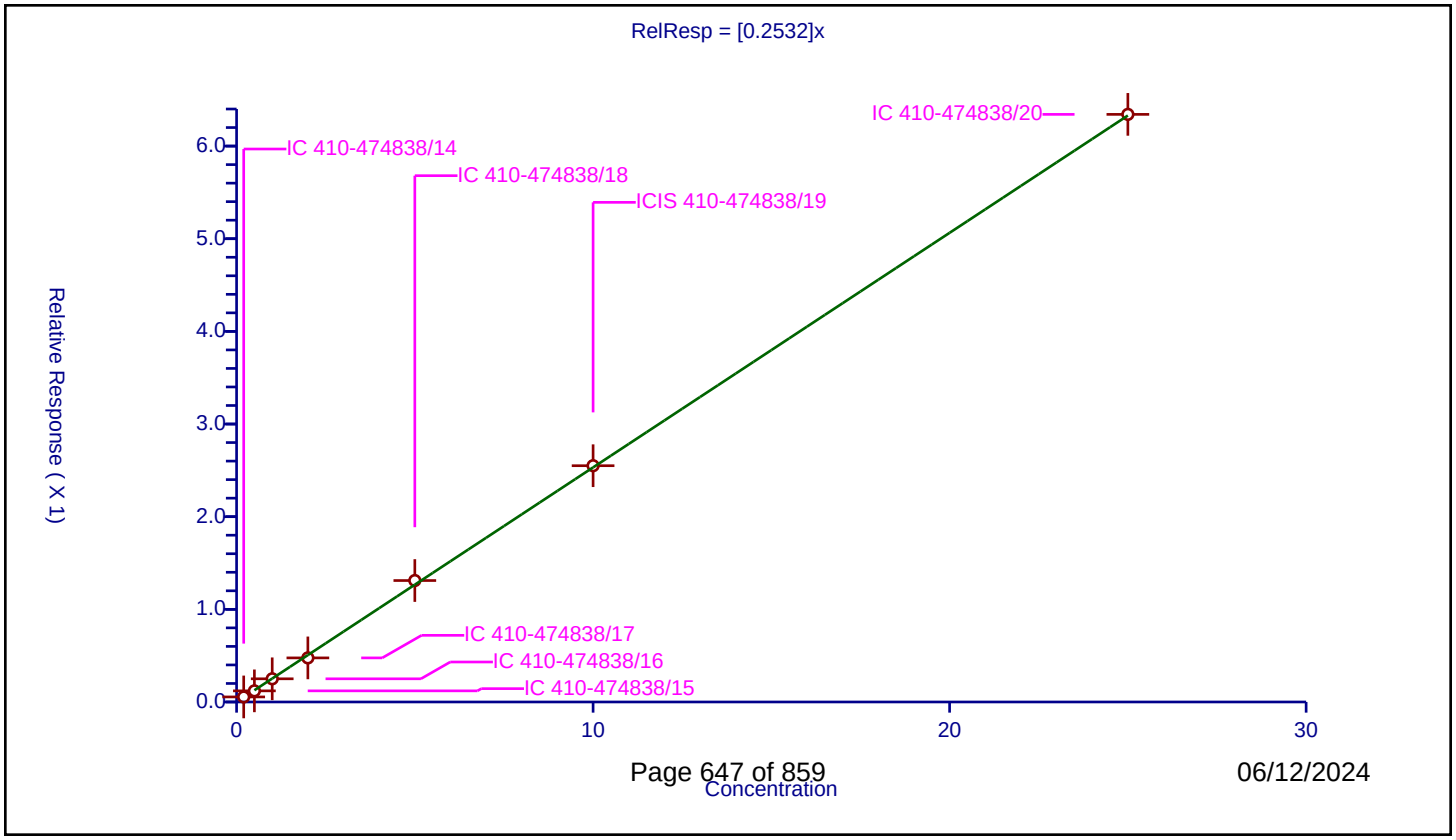
Curve Coefficients

Intercept:	0
Slope:	0.2532

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.054596	10.0	1560735.0	0.27298	Y
2	IC 410-474838/15	0.5	0.120083	10.0	1564746.0	0.240167	Y
3	IC 410-474838/16	1.0	0.250314	10.0	1504988.0	0.250314	Y
4	IC 410-474838/17	2.0	0.475963	10.0	1566550.0	0.237982	Y
5	IC 410-474838/18	5.0	1.310878	10.0	1563464.0	0.262176	Y
6	ICIS 410-474838/19	10.0	2.550264	10.0	1568285.0	0.255026	Y
7	IC 410-474838/20	25.0	6.342152	10.0	1570929.0	0.253686	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

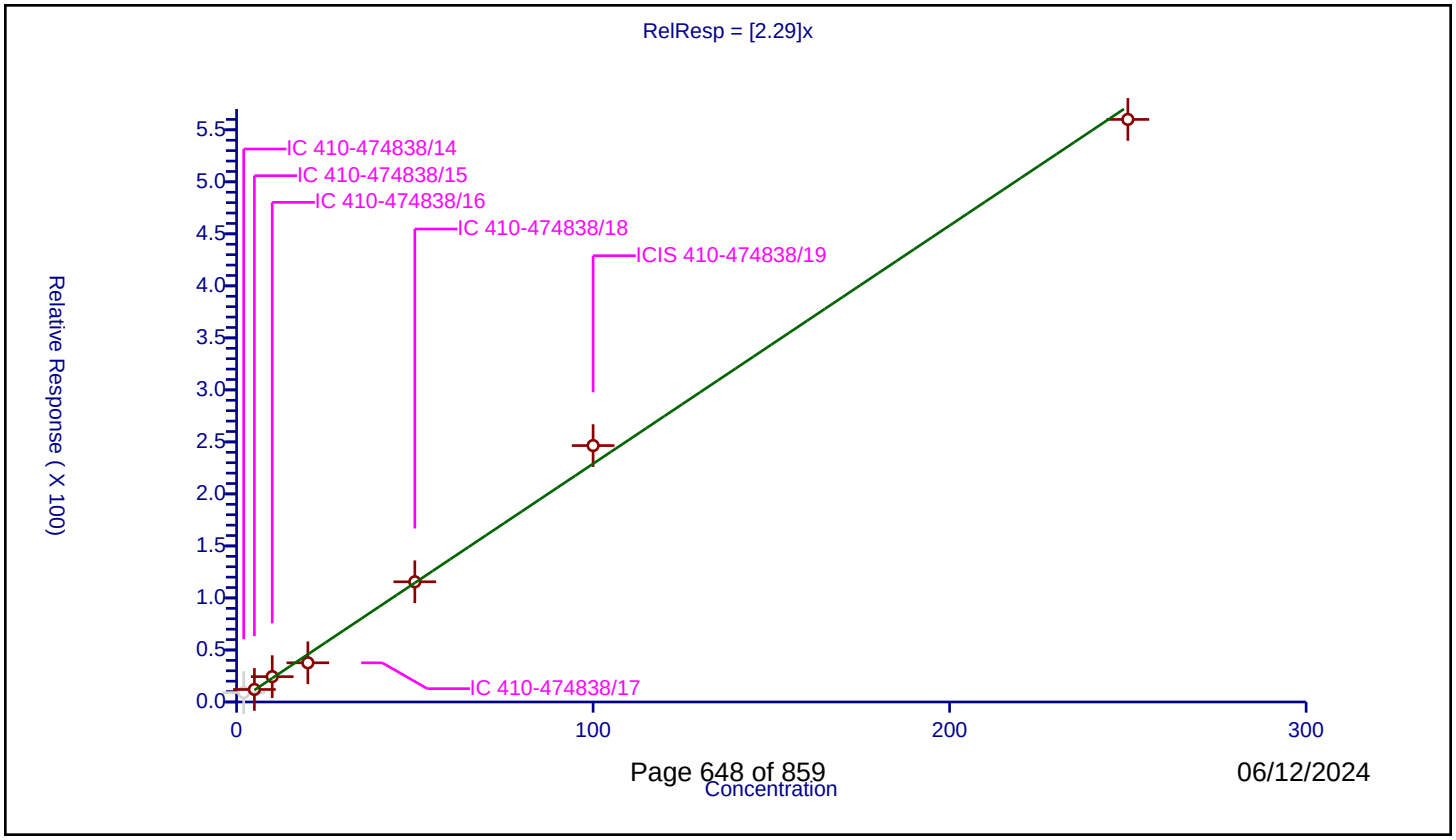
Curve Coefficients

Intercept:	0
Slope:	2.29

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	2.0	9.03203	50.0	125913.0	4.516015	N
2	IC 410-474838/15	5.0	12.024367	50.0	129354.0	2.404873	Y
3	IC 410-474838/16	10.0	24.355504	50.0	143717.0	2.43555	Y
4	IC 410-474838/17	20.0	37.676822	50.0	153049.0	1.883841	Y
5	IC 410-474838/18	50.0	115.54027	50.0	157227.0	2.310805	Y
6	ICIS 410-474838/19	100.0	246.469529	50.0	136115.0	2.464695	Y
7	IC 410-474838/20	250.0	560.004587	50.0	154799.0	2.240018	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

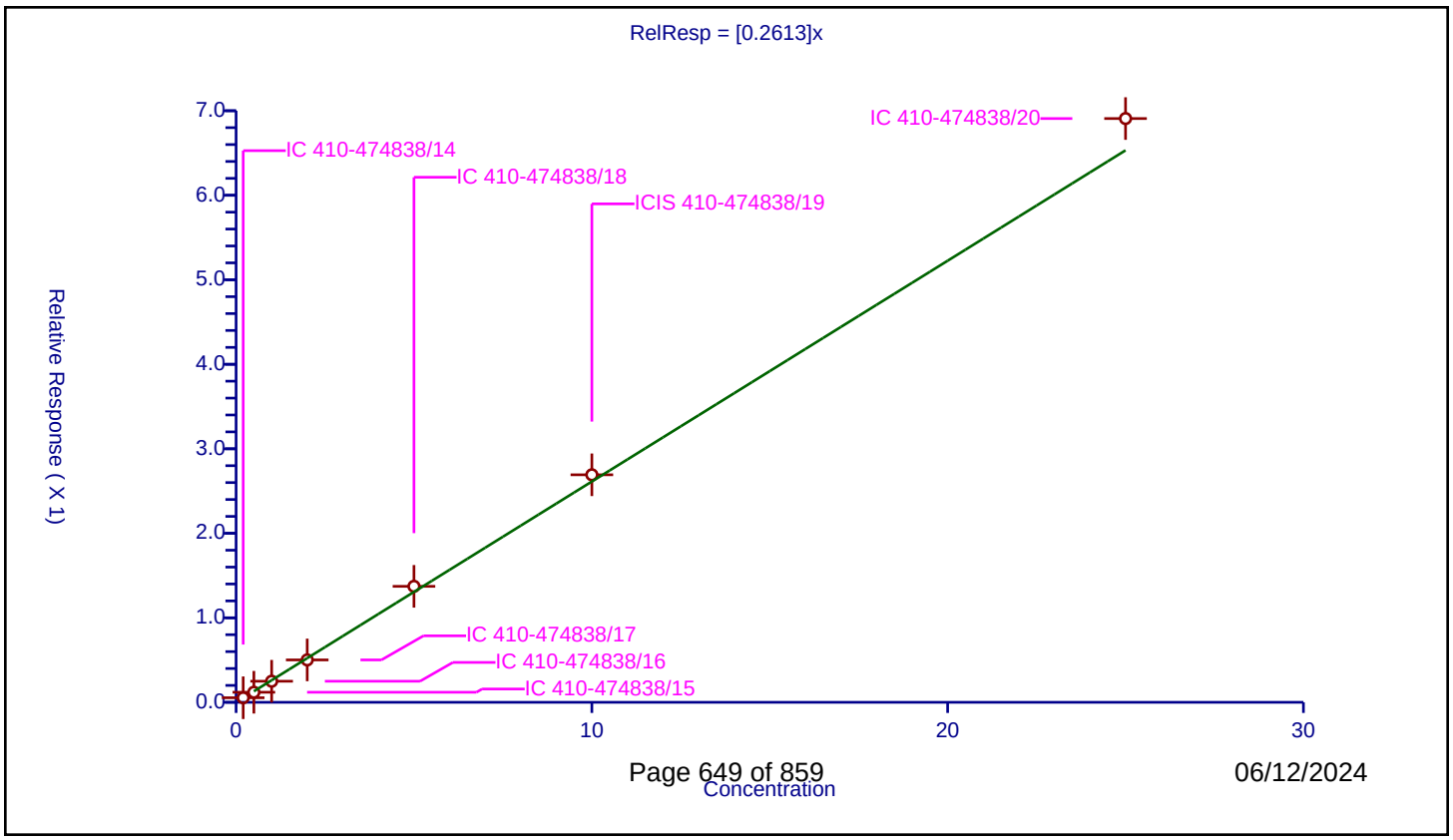
Curve Coefficients

Intercept:	0
Slope:	0.2613

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.054077	10.0	1560735.0	0.270385	Y
2	IC 410-474838/15	0.5	0.119086	10.0	1564746.0	0.238173	Y
3	IC 410-474838/16	1.0	0.249424	10.0	1504988.0	0.249424	Y
4	IC 410-474838/17	2.0	0.501682	10.0	1566550.0	0.250841	Y
5	IC 410-474838/18	5.0	1.372484	10.0	1563464.0	0.274497	Y
6	ICIS 410-474838/19	10.0	2.692189	10.0	1568285.0	0.269219	Y
7	IC 410-474838/20	25.0	6.907887	10.0	1570929.0	0.276315	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

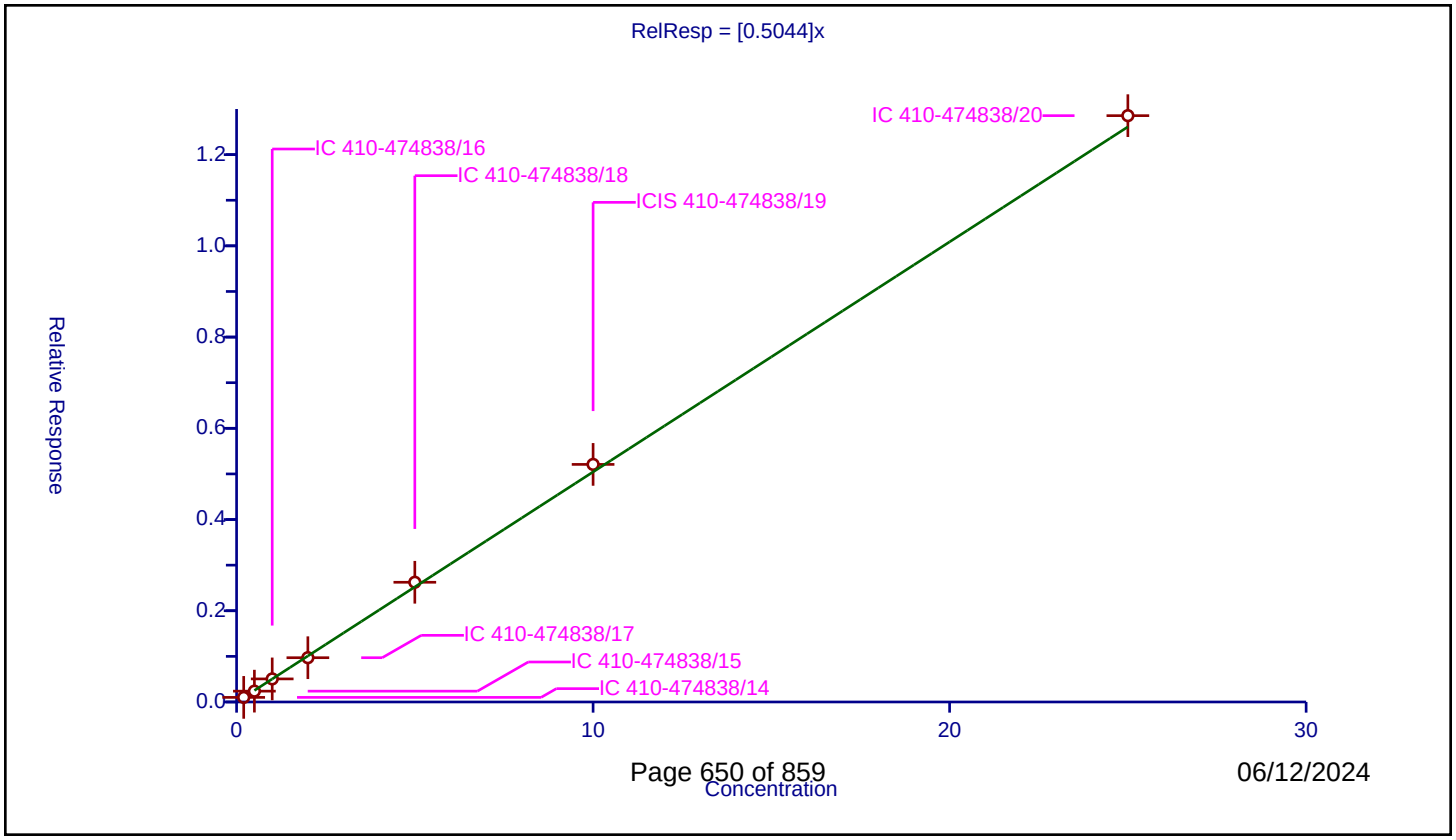
Curve Coefficients

Intercept:	0
Slope:	0.5044

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.100709	10.0	1560735.0	0.503545	Y
2	IC 410-474838/15	0.5	0.237853	10.0	1564746.0	0.475707	Y
3	IC 410-474838/16	1.0	0.505851	10.0	1504988.0	0.505851	Y
4	IC 410-474838/17	2.0	0.970936	10.0	1566550.0	0.485468	Y
5	IC 410-474838/18	5.0	2.624723	10.0	1563464.0	0.524945	Y
6	ICIS 410-474838/19	10.0	5.208435	10.0	1568285.0	0.520843	Y
7	IC 410-474838/20	25.0	12.854598	10.0	1570929.0	0.514184	Y



Calibration / Ethyl bromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

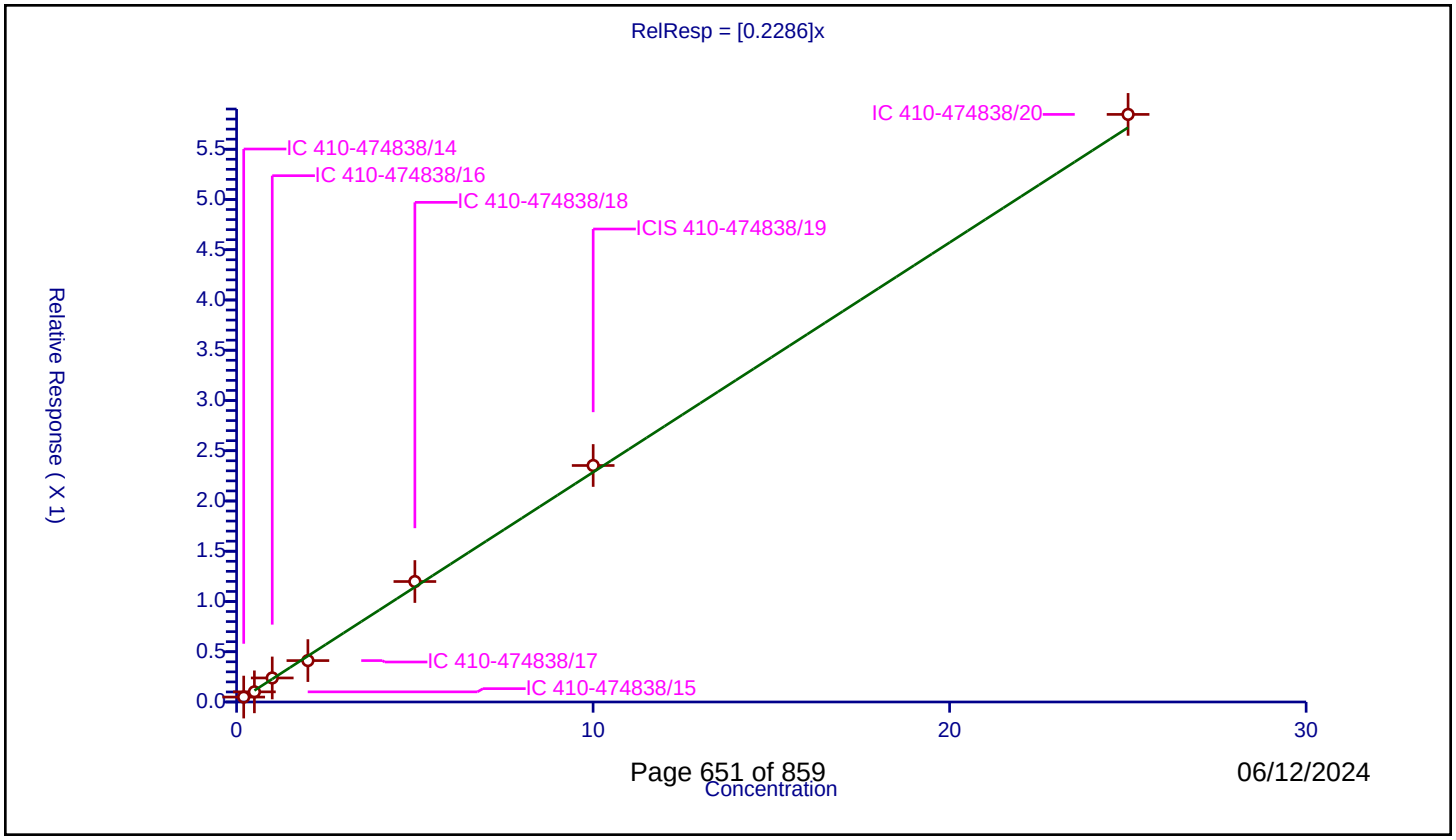
Curve Coefficients

Intercept:	0
Slope:	0.2286

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.200049	0.048836	10.0	1560735.0	0.24412	Y
2	IC 410-474838/15	0.500122	0.101071	10.0	1564746.0	0.202092	Y
3	IC 410-474838/16	1.000244	0.239258	10.0	1504988.0	0.239199	Y
4	IC 410-474838/17	2.000488	0.412033	10.0	1566550.0	0.205966	Y
5	IC 410-474838/18	5.00122	1.198589	10.0	1563464.0	0.239659	Y
6	ICIS 410-474838/19	10.00244	2.352991	10.0	1568285.0	0.235242	Y
7	IC 410-474838/20	25.0061	5.846528	10.0	1570929.0	0.233804	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

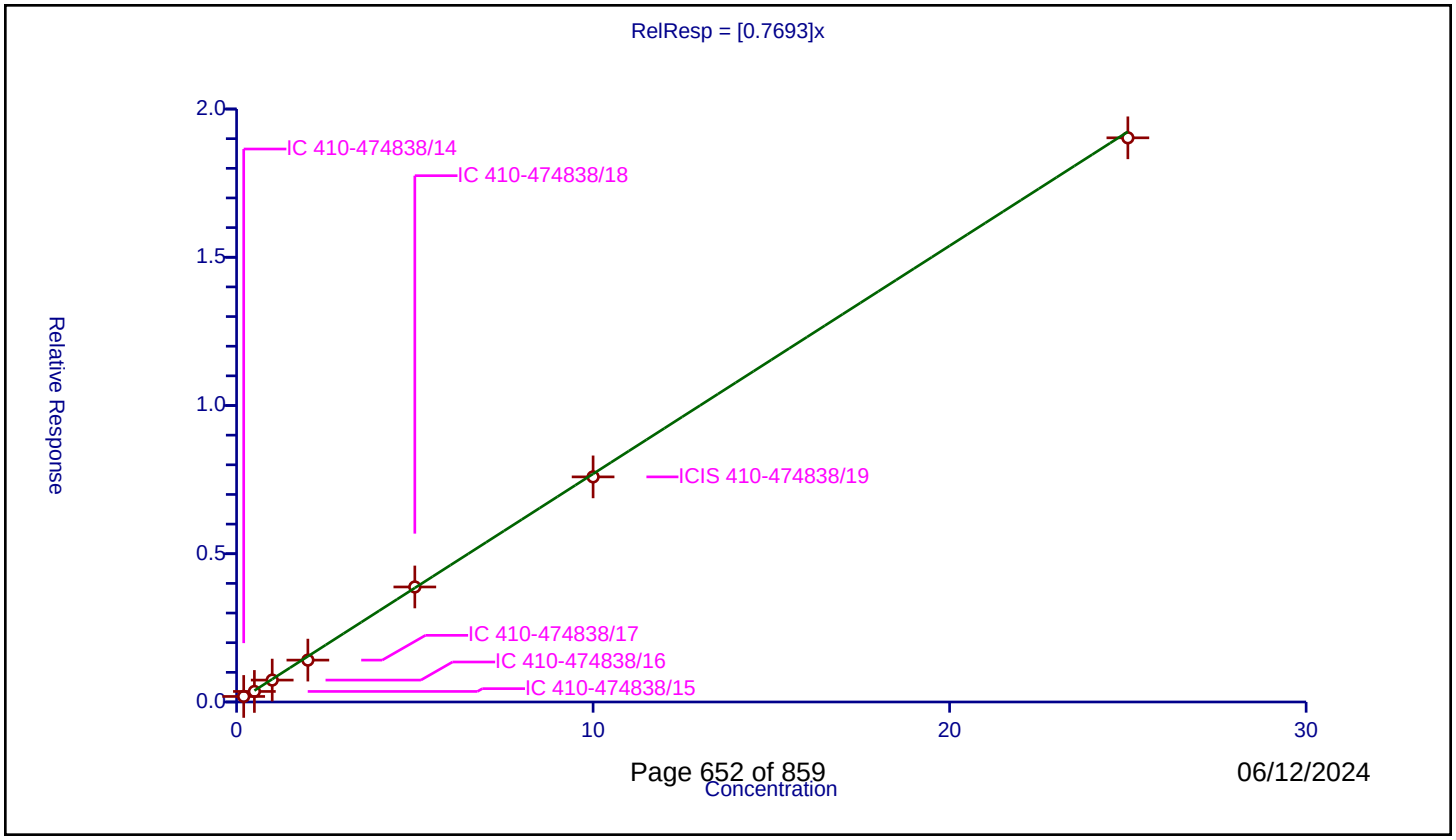
Curve Coefficients

Intercept:	0
Slope:	0.7693

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.186598	10.0	1560735.0	0.93299	Y
2	IC 410-474838/15	0.5	0.355508	10.0	1564746.0	0.711016	Y
3	IC 410-474838/16	1.0	0.73891	10.0	1504988.0	0.73891	Y
4	IC 410-474838/17	2.0	1.412429	10.0	1566550.0	0.706214	Y
5	IC 410-474838/18	5.0	3.879335	10.0	1563464.0	0.775867	Y
6	ICIS 410-474838/19	10.0	7.592281	10.0	1568285.0	0.759228	Y
7	IC 410-474838/20	25.0	19.028339	10.0	1570929.0	0.761134	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

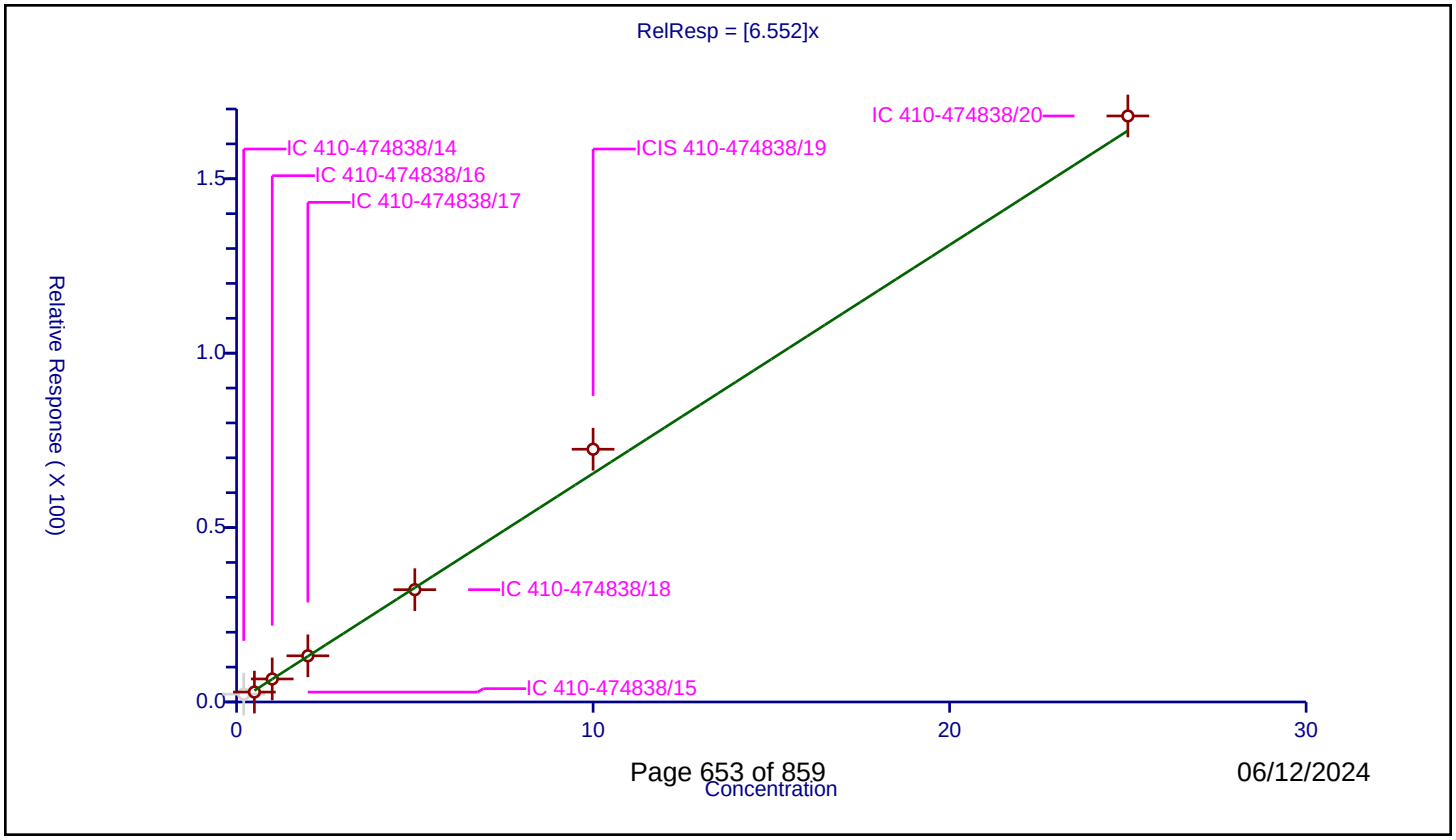
Curve Coefficients

Intercept:	0
Slope:	6.552

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	2.240833	50.0	125913.0	11.204165	N
2	IC 410-474838/15	0.5	2.841427	50.0	129354.0	5.682855	Y
3	IC 410-474838/16	1.0	6.601863	50.0	143717.0	6.601863	Y
4	IC 410-474838/17	2.0	13.238571	50.0	153049.0	6.619285	Y
5	IC 410-474838/18	5.0	32.196442	50.0	157227.0	6.439288	Y
6	ICIS 410-474838/19	10.0	72.462991	50.0	136115.0	7.246299	Y
7	IC 410-474838/20	25.0	168.00593	50.0	154799.0	6.720237	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

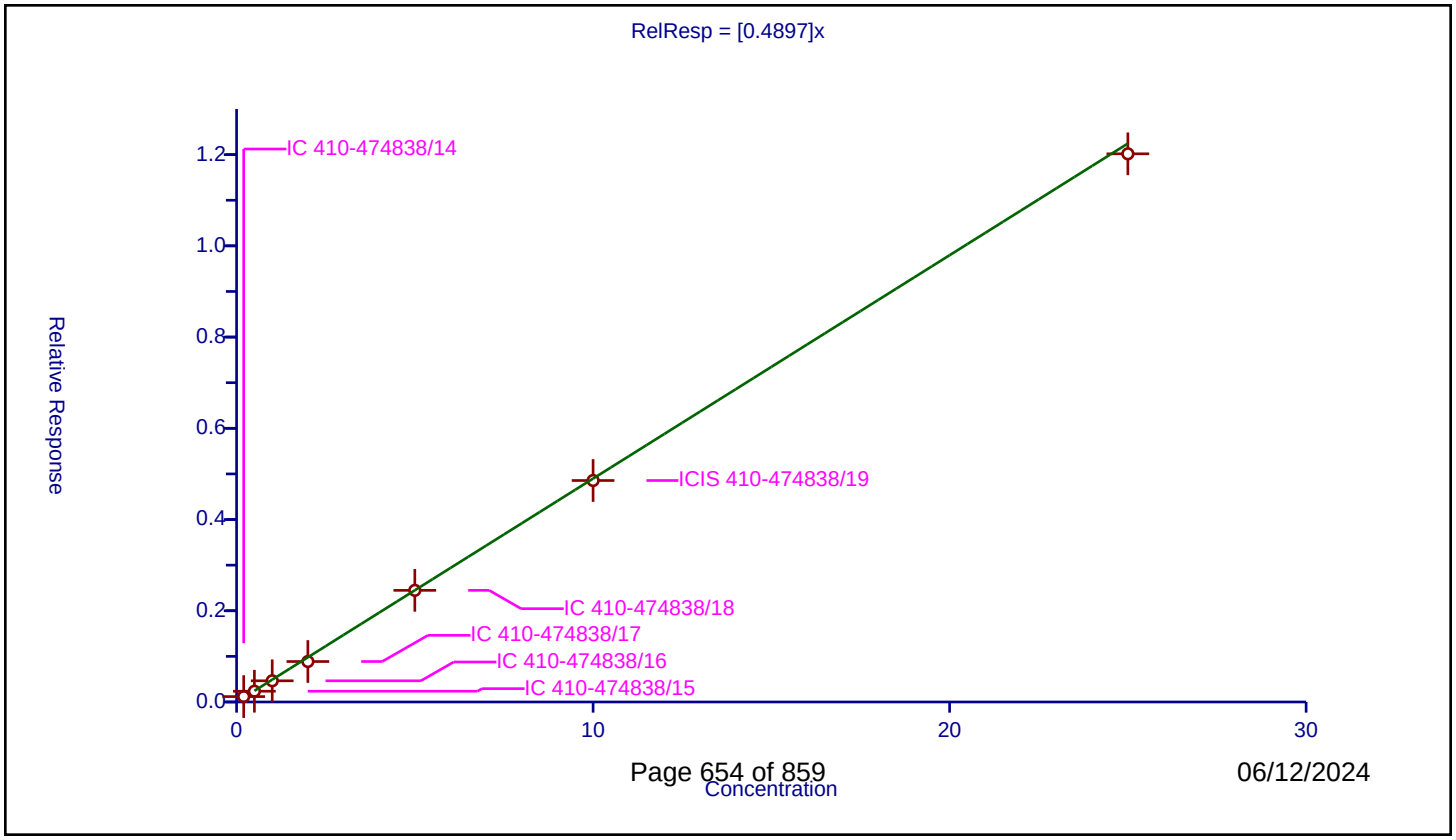
Curve Coefficients

Intercept:	0
Slope:	0.4897

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.118431	10.0	1560735.0	0.592157	Y
2	IC 410-474838/15	0.5	0.23616	10.0	1564746.0	0.472319	Y
3	IC 410-474838/16	1.0	0.464389	10.0	1504988.0	0.464389	Y
4	IC 410-474838/17	2.0	0.887204	10.0	1566550.0	0.443602	Y
5	IC 410-474838/18	5.0	2.447424	10.0	1563464.0	0.489485	Y
6	ICIS 410-474838/19	10.0	4.855616	10.0	1568285.0	0.485562	Y
7	IC 410-474838/20	25.0	12.017914	10.0	1570929.0	0.480717	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

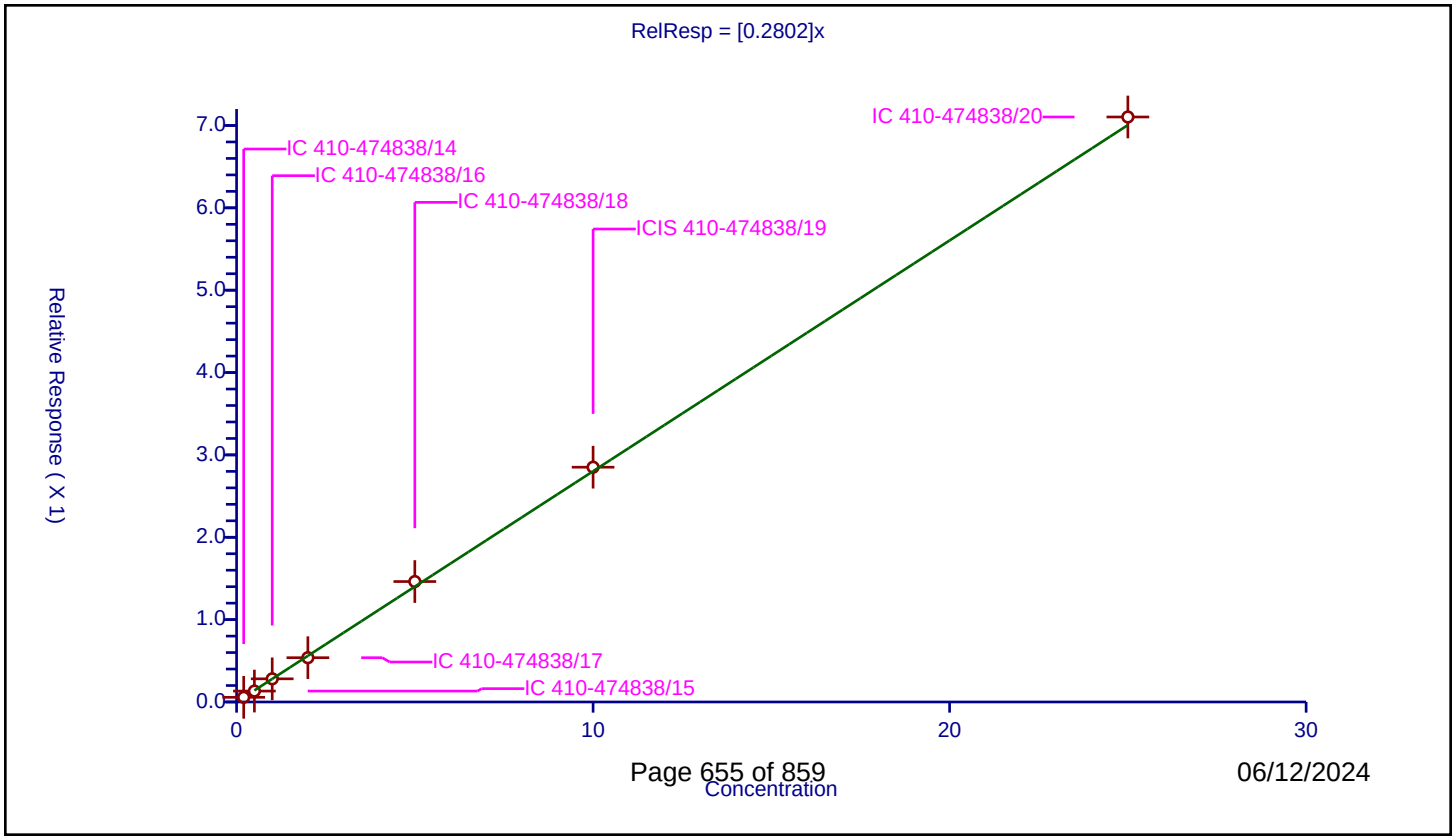
Curve Coefficients

Intercept:	0
Slope:	0.2802

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.056948	10.0	1560735.0	0.284738	Y
2	IC 410-474838/15	0.5	0.132539	10.0	1564746.0	0.265078	Y
3	IC 410-474838/16	1.0	0.281065	10.0	1504988.0	0.281065	Y
4	IC 410-474838/17	2.0	0.537583	10.0	1566550.0	0.268791	Y
5	IC 410-474838/18	5.0	1.462445	10.0	1563464.0	0.292489	Y
6	ICIS 410-474838/19	10.0	2.850949	10.0	1568285.0	0.285095	Y
7	IC 410-474838/20	25.0	7.103205	10.0	1570929.0	0.284128	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

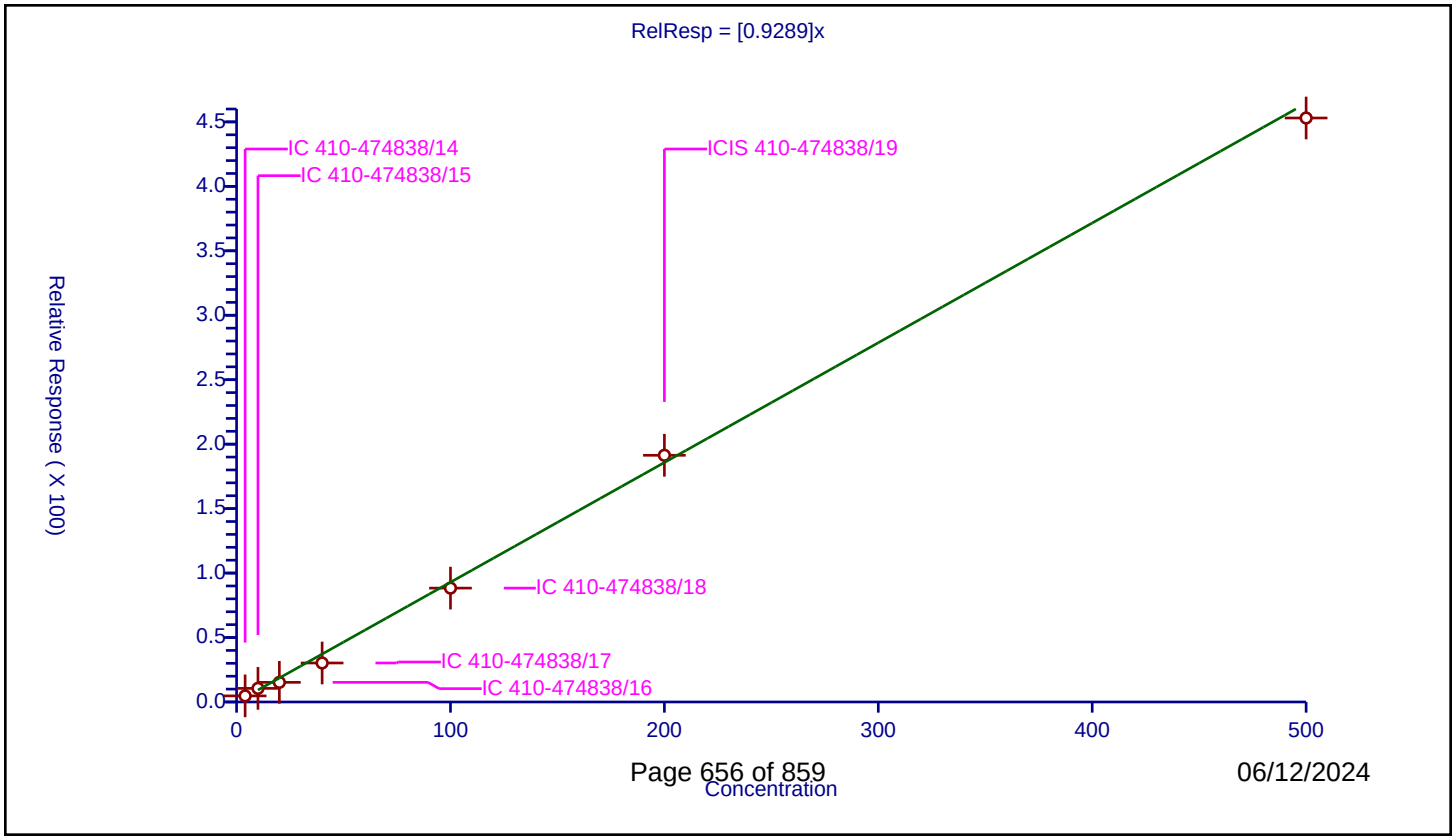
Curve Coefficients

Intercept:	0
Slope:	0.9289

Error Coefficients

Relative Standard Deviation:	16.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	4.0	4.727073	50.0	125913.0	1.181768	Y
2	IC 410-474838/15	10.0	10.556689	50.0	129354.0	1.055669	Y
3	IC 410-474838/16	20.0	15.239672	50.0	143717.0	0.761984	Y
4	IC 410-474838/17	40.0	30.259263	50.0	153049.0	0.756482	Y
5	IC 410-474838/18	100.0	88.347103	50.0	157227.0	0.883471	Y
6	ICIS 410-474838/19	200.0	191.381185	50.0	136115.0	0.956906	Y
7	IC 410-474838/20	500.0	453.037164	50.0	154799.0	0.906074	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

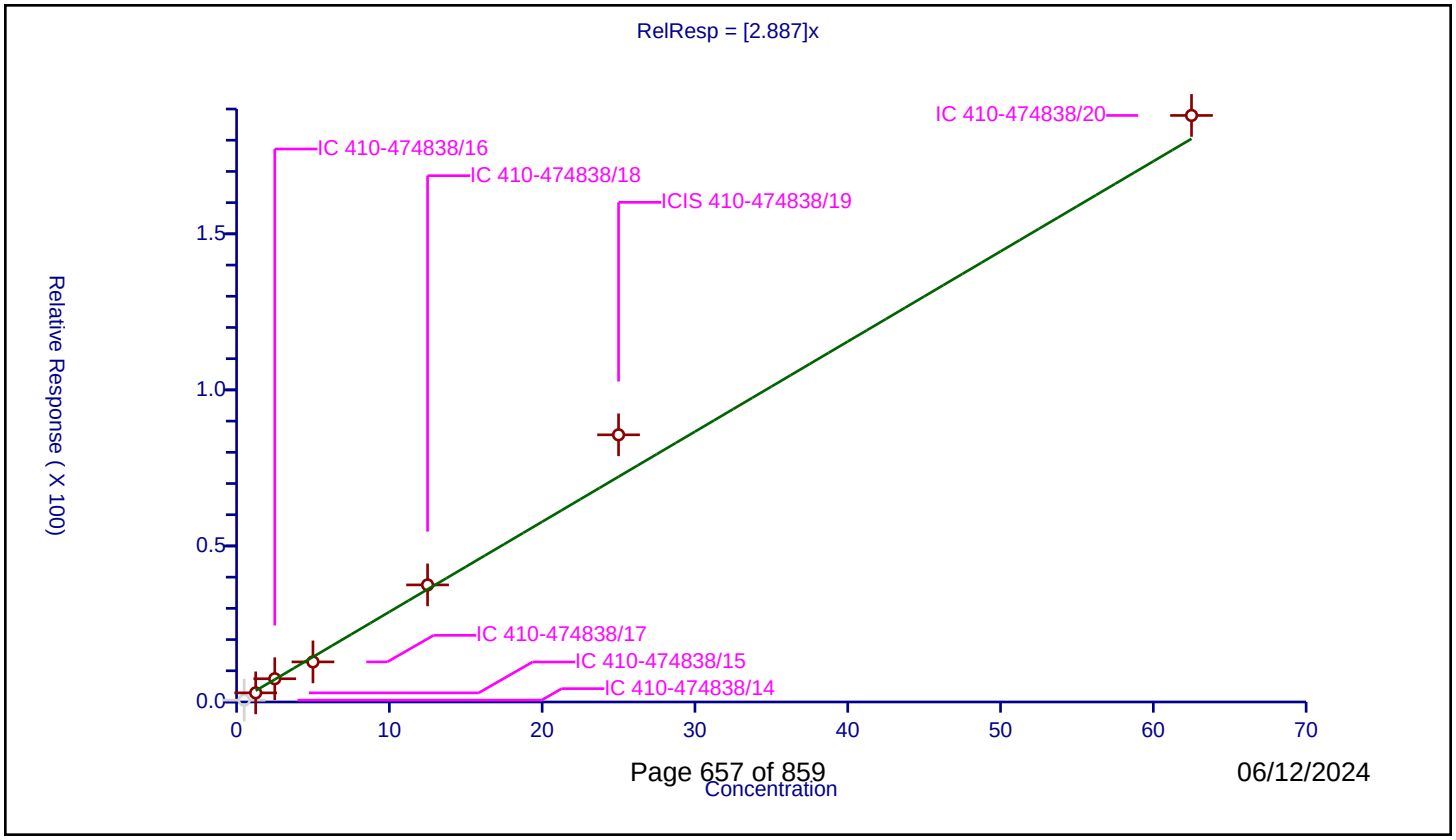
Curve Coefficients

Intercept:	0
Slope:	2.887

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.5	0.582942	50.0	125913.0	1.165884	N
2	IC 410-474838/15	1.25	2.930331	50.0	129354.0	2.344265	Y
3	IC 410-474838/16	2.5	7.445535	50.0	143717.0	2.978214	Y
4	IC 410-474838/17	5.0	12.848826	50.0	153049.0	2.569765	Y
5	IC 410-474838/18	12.5	37.512959	50.0	157227.0	3.001037	Y
6	ICIS 410-474838/19	25.0	85.605187	50.0	136115.0	3.424207	Y
7	IC 410-474838/20	62.5	187.938876	50.0	154799.0	3.007022	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

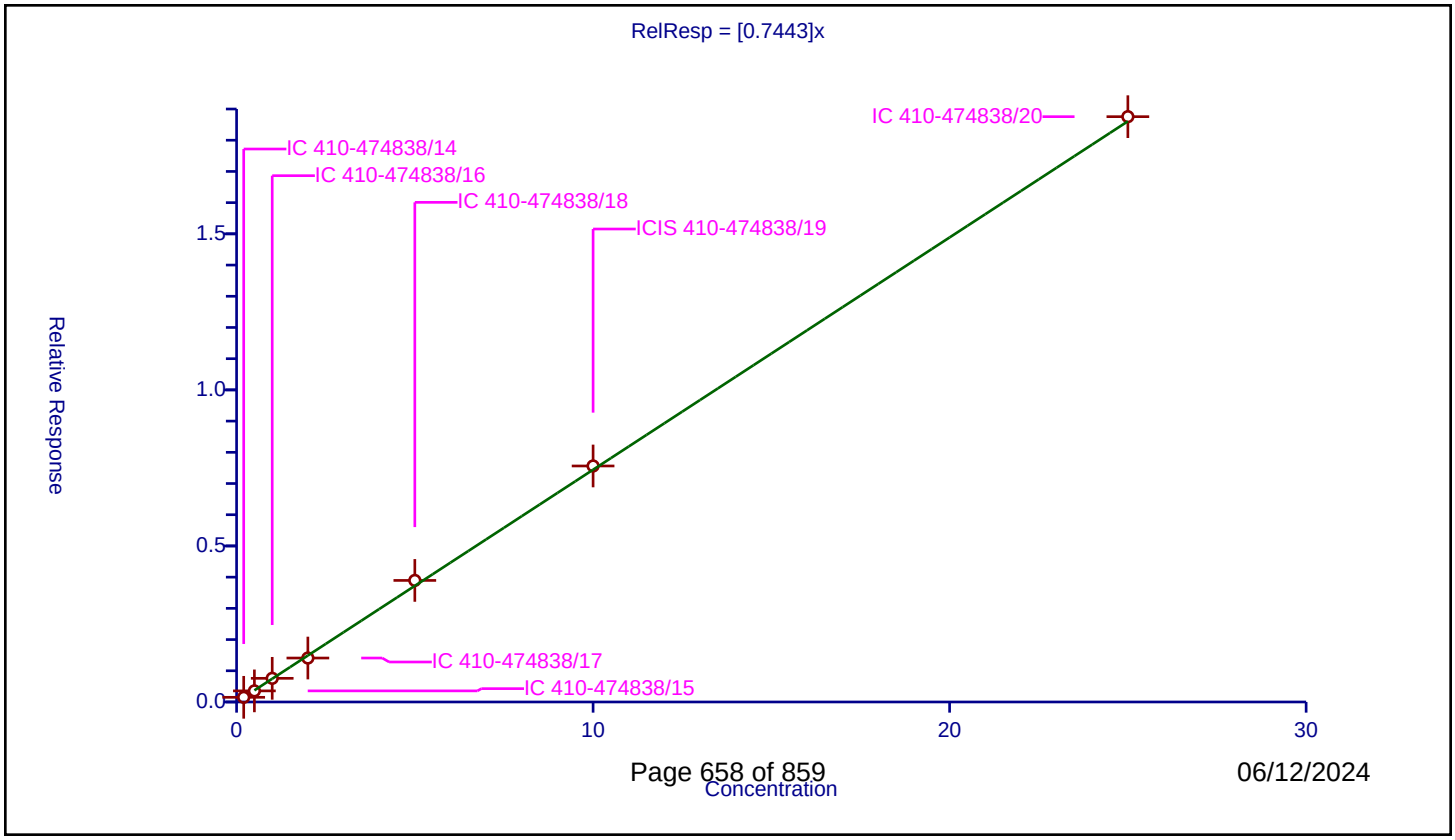
Curve Coefficients

Intercept:	0
Slope:	0.7443

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.150083	10.0	1560735.0	0.750416	Y
2	IC 410-474838/15	0.5	0.355719	10.0	1564746.0	0.711438	Y
3	IC 410-474838/16	1.0	0.758465	10.0	1504988.0	0.758465	Y
4	IC 410-474838/17	2.0	1.408177	10.0	1566550.0	0.704089	Y
5	IC 410-474838/18	5.0	3.894679	10.0	1563464.0	0.778936	Y
6	ICIS 410-474838/19	10.0	7.562458	10.0	1568285.0	0.756246	Y
7	IC 410-474838/20	25.0	18.754635	10.0	1570929.0	0.750185	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

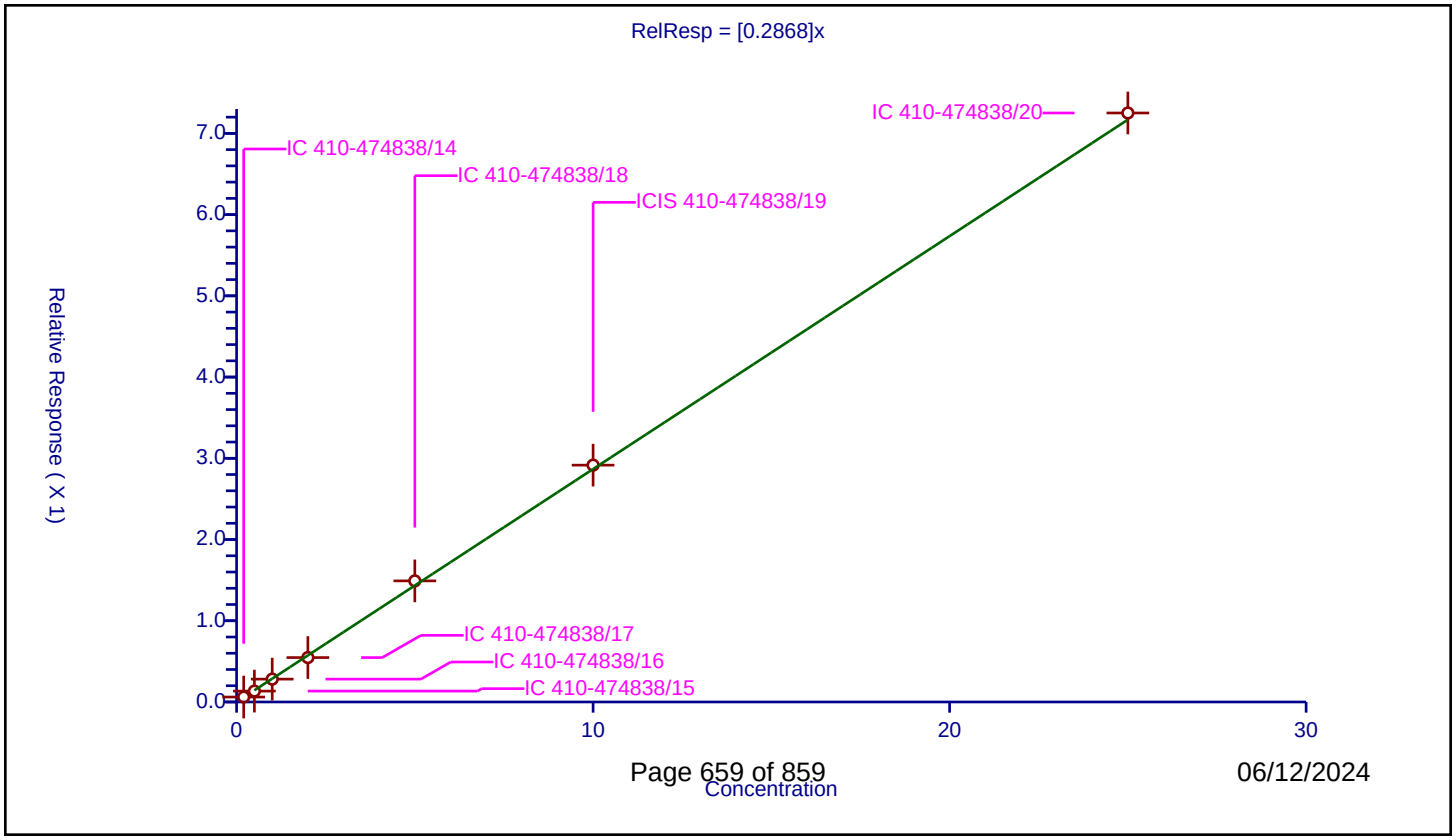
Curve Coefficients

Intercept:	0
Slope:	0.2868

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.06085	10.0	1560735.0	0.304248	Y
2	IC 410-474838/15	0.5	0.134079	10.0	1564746.0	0.268159	Y
3	IC 410-474838/16	1.0	0.281663	10.0	1504988.0	0.281663	Y
4	IC 410-474838/17	2.0	0.546832	10.0	1566550.0	0.273416	Y
5	IC 410-474838/18	5.0	1.490927	10.0	1563464.0	0.298185	Y
6	ICIS 410-474838/19	10.0	2.915599	10.0	1568285.0	0.29156	Y
7	IC 410-474838/20	25.0	7.25092	10.0	1570929.0	0.290037	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

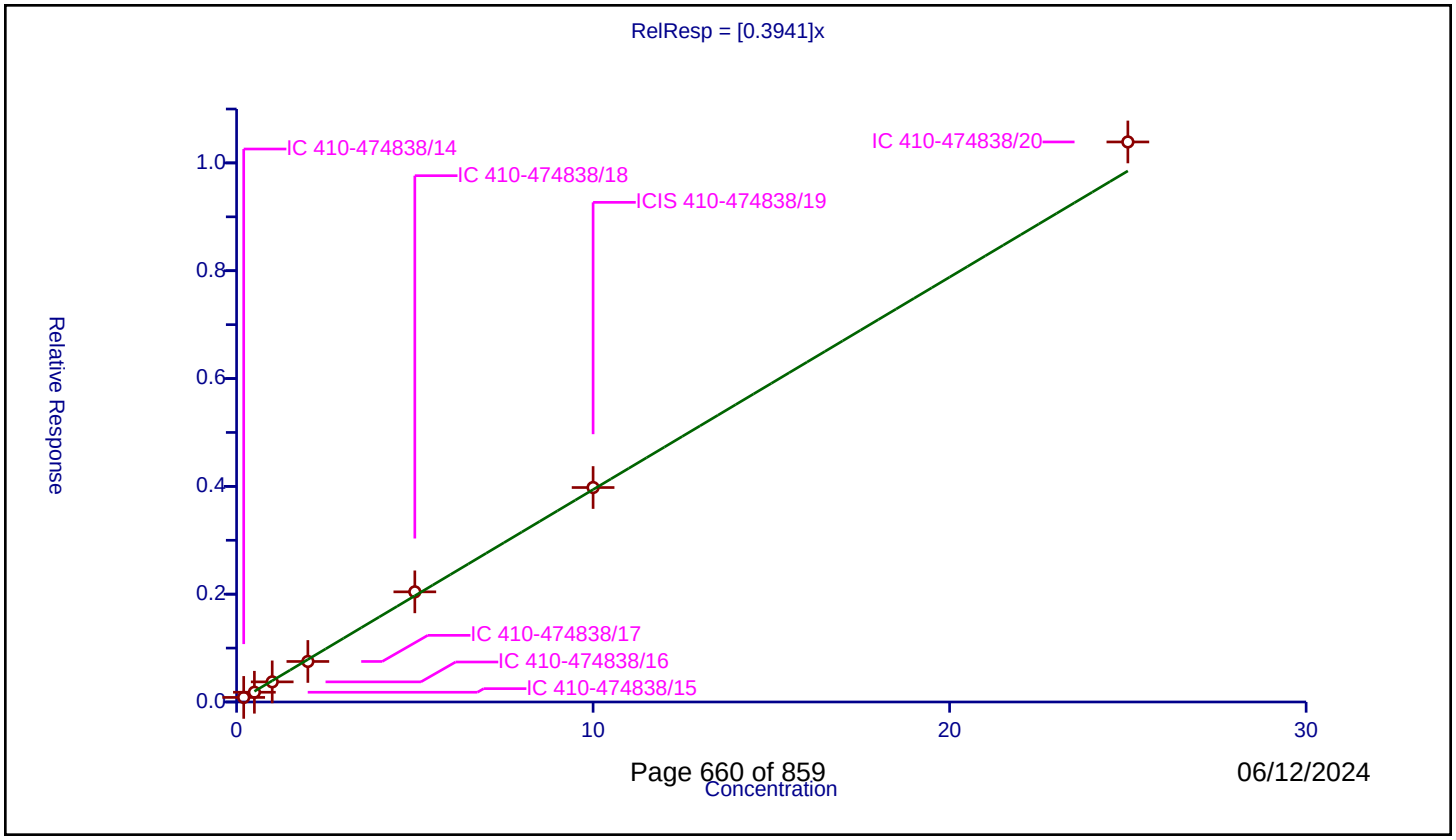
Curve Coefficients

Intercept:	0
Slope:	0.3941

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.085062	10.0	1560735.0	0.425312	Y
2	IC 410-474838/15	0.5	0.180981	10.0	1564746.0	0.361963	Y
3	IC 410-474838/16	1.0	0.373046	10.0	1504988.0	0.373046	Y
4	IC 410-474838/17	2.0	0.751856	10.0	1566550.0	0.375928	Y
5	IC 410-474838/18	5.0	2.043501	10.0	1563464.0	0.4087	Y
6	ICIS 410-474838/19	10.0	3.978696	10.0	1568285.0	0.39787	Y
7	IC 410-474838/20	25.0	10.38905	10.0	1570929.0	0.415562	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

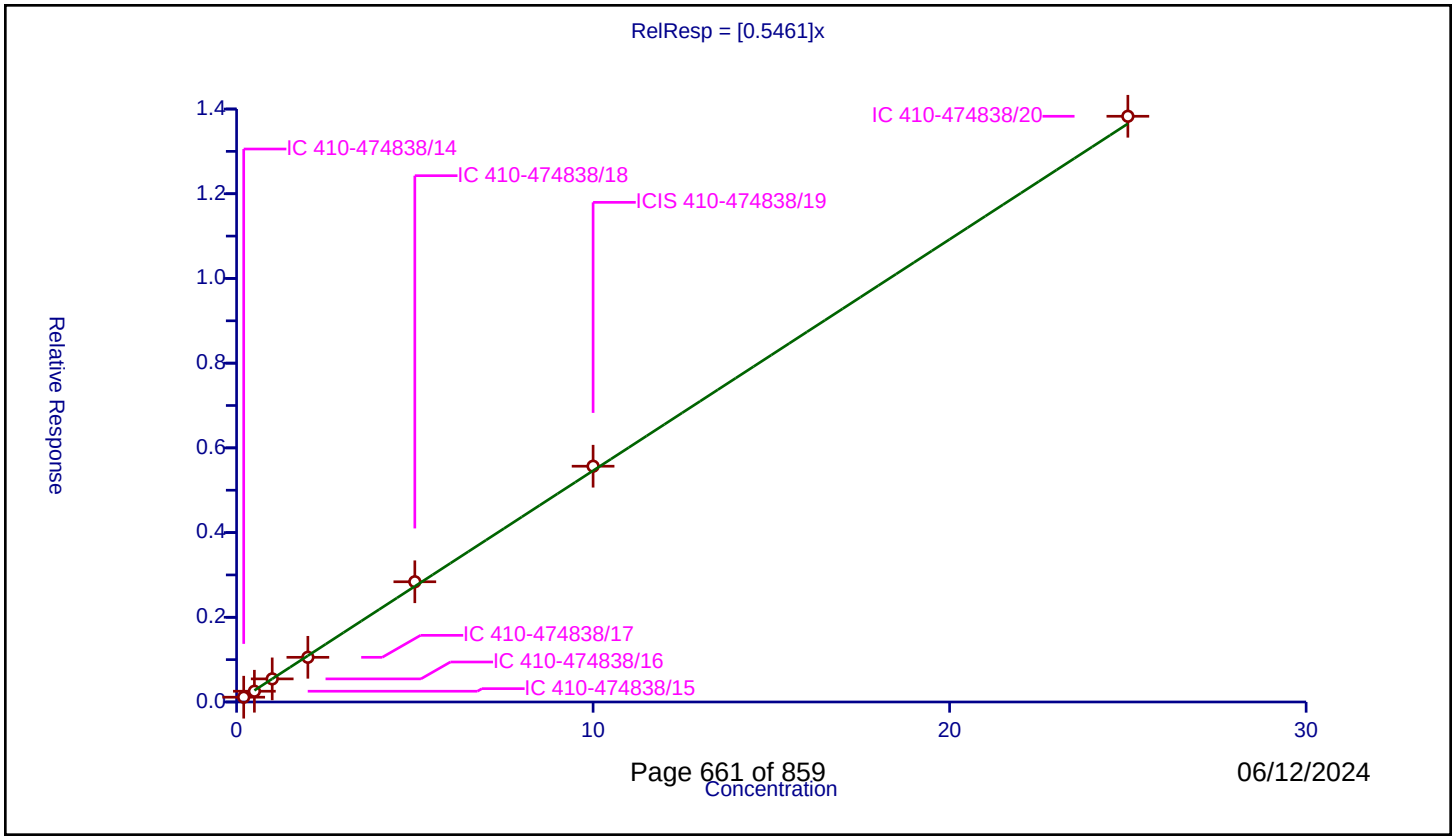
Curve Coefficients

Intercept:	0
Slope:	0.5461

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.112857	10.0	1560735.0	0.564285	Y
2	IC 410-474838/15	0.5	0.254112	10.0	1564746.0	0.508223	Y
3	IC 410-474838/16	1.0	0.545459	10.0	1504988.0	0.545459	Y
4	IC 410-474838/17	2.0	1.054993	10.0	1566550.0	0.527497	Y
5	IC 410-474838/18	5.0	2.838607	10.0	1563464.0	0.567721	Y
6	ICIS 410-474838/19	10.0	5.566495	10.0	1568285.0	0.556649	Y
7	IC 410-474838/20	25.0	13.828792	10.0	1570929.0	0.553152	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

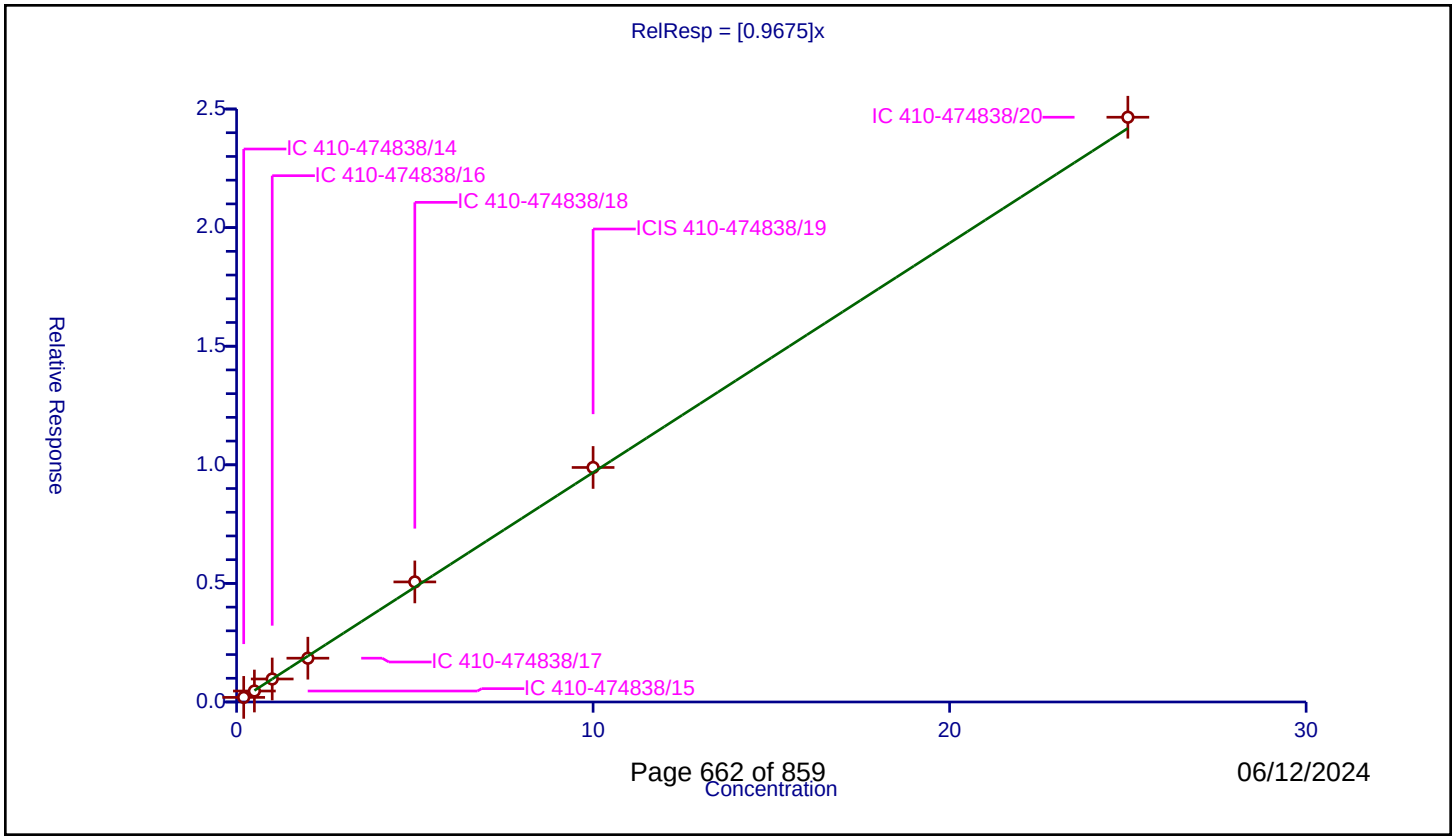
Curve Coefficients

Intercept:	0
Slope:	0.9675

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.193563	10.0	1560735.0	0.967813	Y
2	IC 410-474838/15	0.5	0.462503	10.0	1564746.0	0.925006	Y
3	IC 410-474838/16	1.0	0.969244	10.0	1504988.0	0.969244	Y
4	IC 410-474838/17	2.0	1.846574	10.0	1566550.0	0.923287	Y
5	IC 410-474838/18	5.0	5.062144	10.0	1563464.0	1.012429	Y
6	ICIS 410-474838/19	10.0	9.887336	10.0	1568285.0	0.988734	Y
7	IC 410-474838/20	25.0	24.654093	10.0	1570929.0	0.986164	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

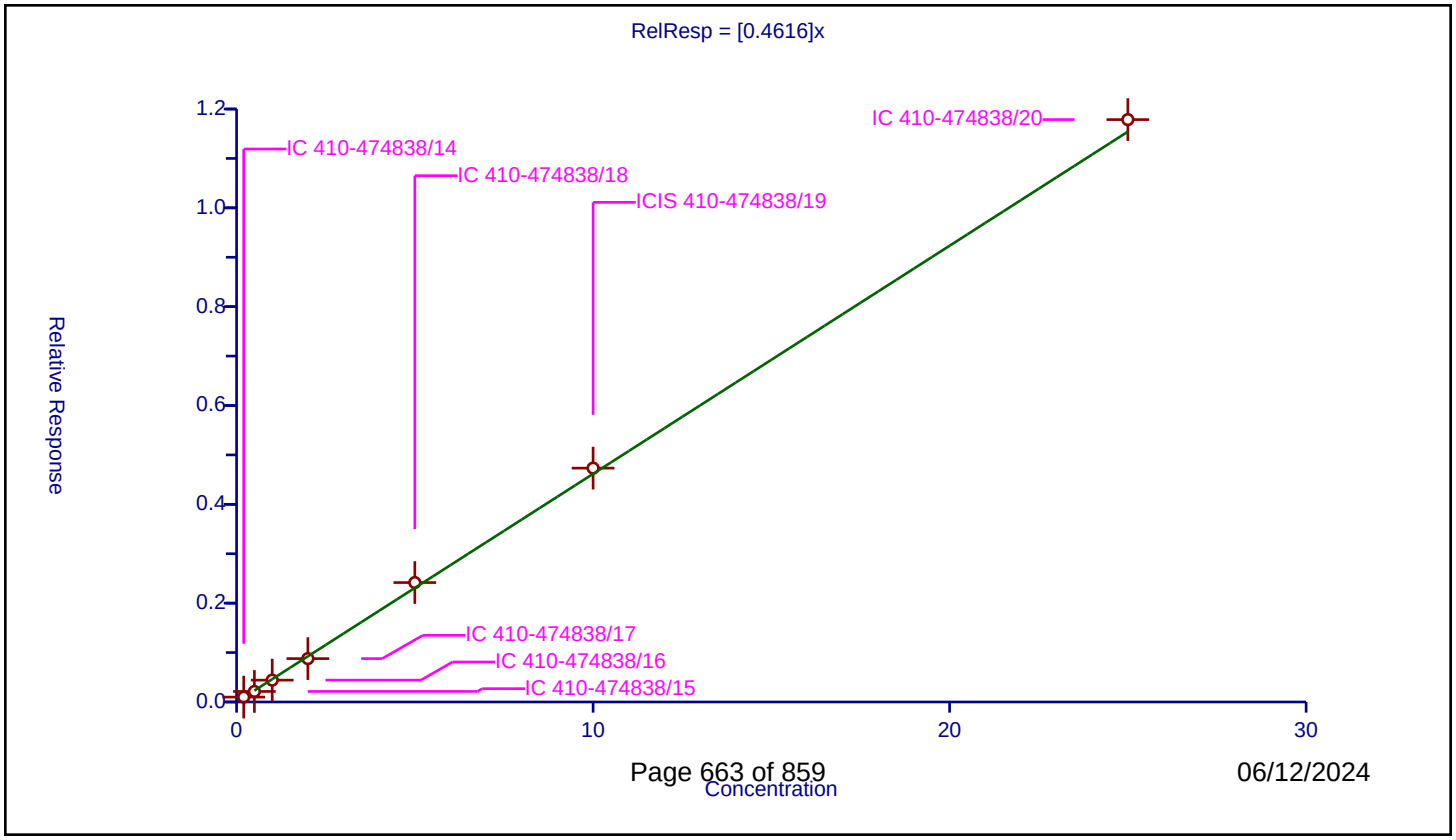
Curve Coefficients

Intercept:	0
Slope:	0.4616

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.099037	10.0	1560735.0	0.495183	Y
2	IC 410-474838/15	0.5	0.21346	10.0	1564746.0	0.426919	Y
3	IC 410-474838/16	1.0	0.442502	10.0	1504988.0	0.442502	Y
4	IC 410-474838/17	2.0	0.877604	10.0	1566550.0	0.438802	Y
5	IC 410-474838/18	5.0	2.416941	10.0	1563464.0	0.483388	Y
6	ICIS 410-474838/19	10.0	4.732552	10.0	1568285.0	0.473255	Y
7	IC 410-474838/20	25.0	11.785523	10.0	1570929.0	0.471421	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

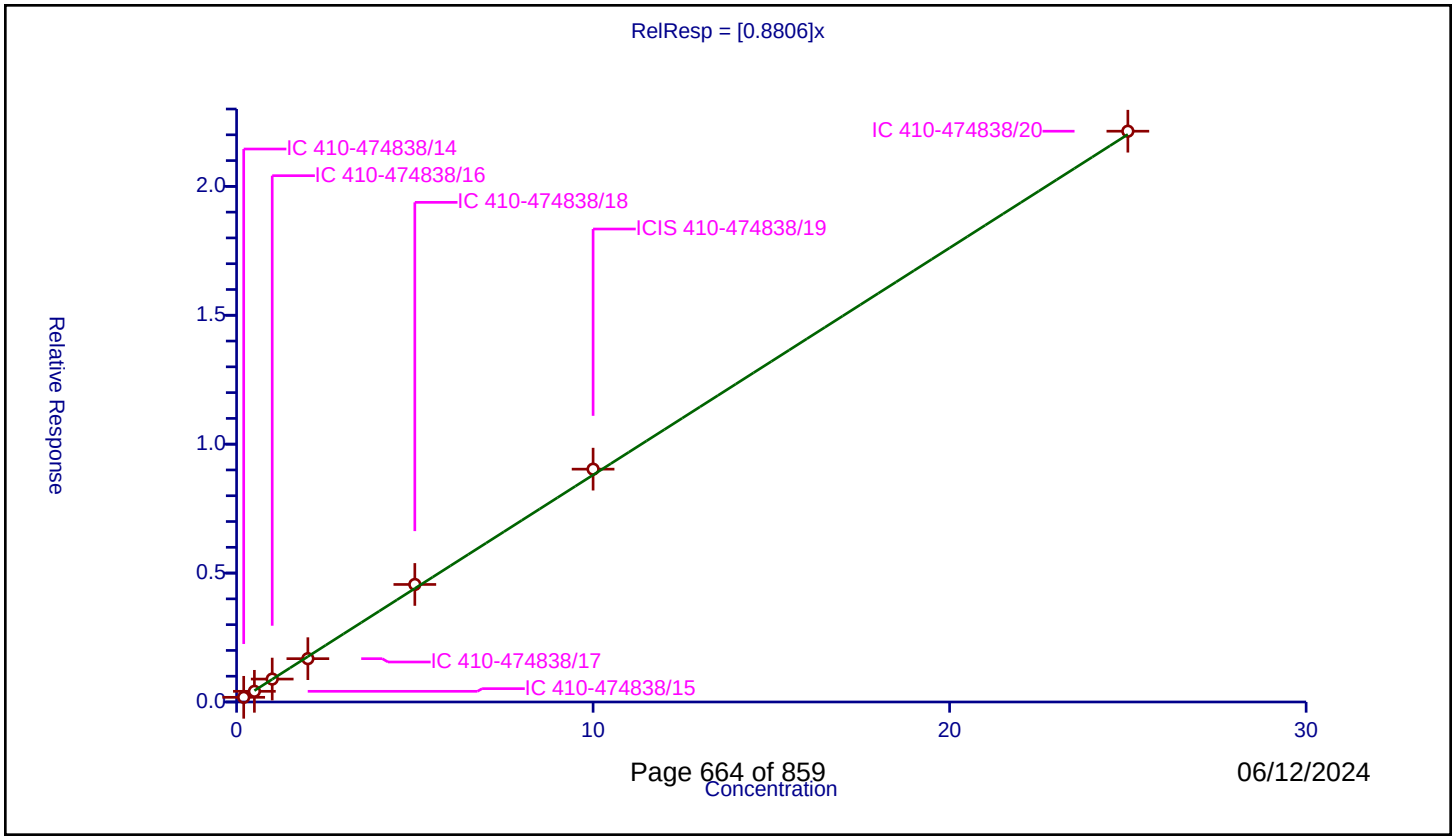
Curve Coefficients

Intercept:	0
Slope:	0.8806

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.181312	10.0	1560735.0	0.90656	Y
2	IC 410-474838/15	0.5	0.414169	10.0	1564746.0	0.828339	Y
3	IC 410-474838/16	1.0	0.88913	10.0	1504988.0	0.88913	Y
4	IC 410-474838/17	2.0	1.680029	10.0	1566550.0	0.840015	Y
5	IC 410-474838/18	5.0	4.55864	10.0	1563464.0	0.911728	Y
6	ICIS 410-474838/19	10.0	9.030776	10.0	1568285.0	0.903078	Y
7	IC 410-474838/20	25.0	22.139377	10.0	1570929.0	0.885575	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

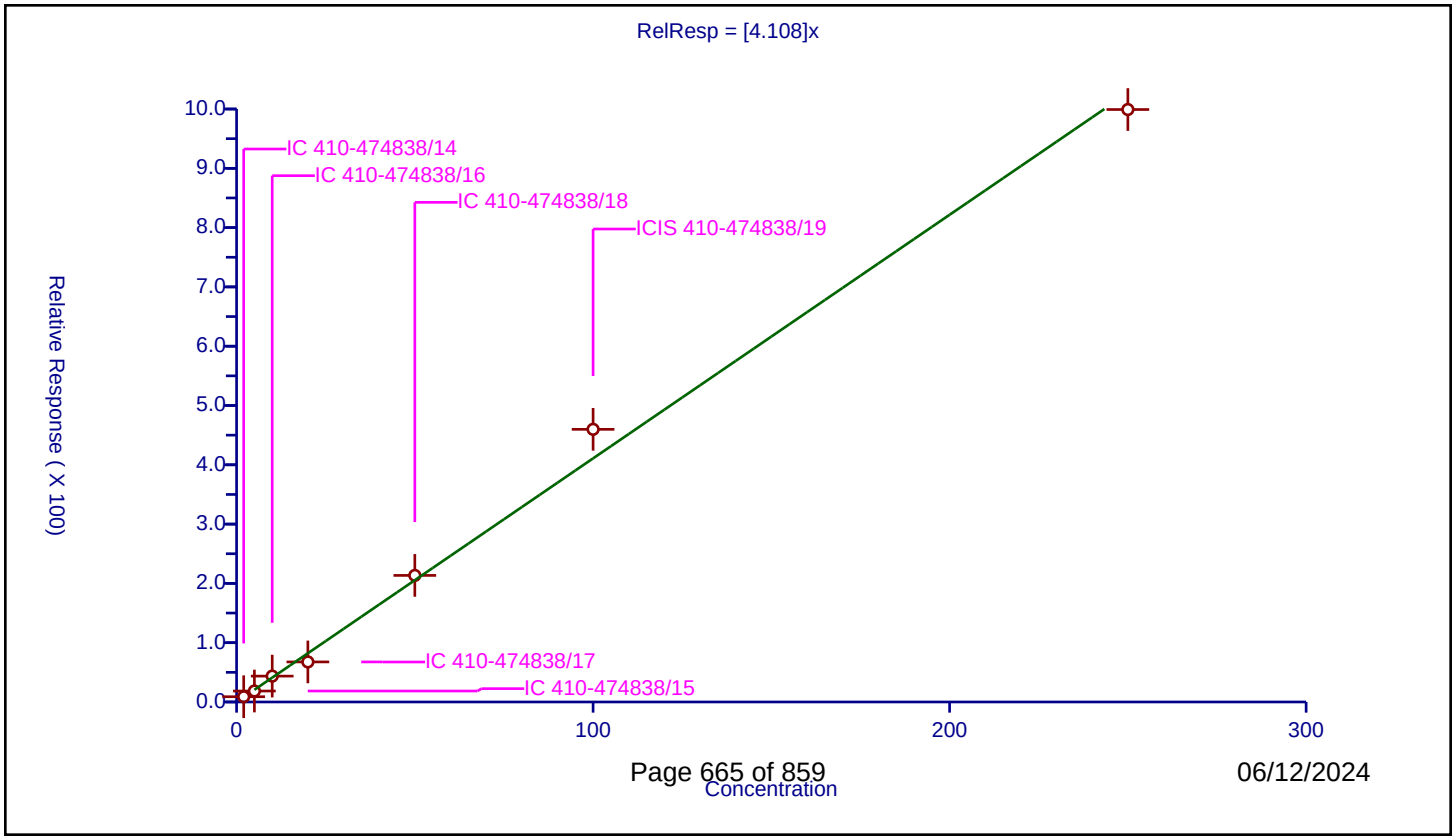
Curve Coefficients

Intercept:	0
Slope:	4.108

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	2.0	8.892251	50.0	125913.0	4.446125	Y
2	IC 410-474838/15	5.0	18.52204	50.0	129354.0	3.704408	Y
3	IC 410-474838/16	10.0	43.63854	50.0	143717.0	4.363854	Y
4	IC 410-474838/17	20.0	67.579337	50.0	153049.0	3.378967	Y
5	IC 410-474838/18	50.0	213.442348	50.0	157227.0	4.268847	Y
6	ICIS 410-474838/19	100.0	459.817066	50.0	136115.0	4.598171	Y
7	IC 410-474838/20	250.0	999.133715	50.0	154799.0	3.996535	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

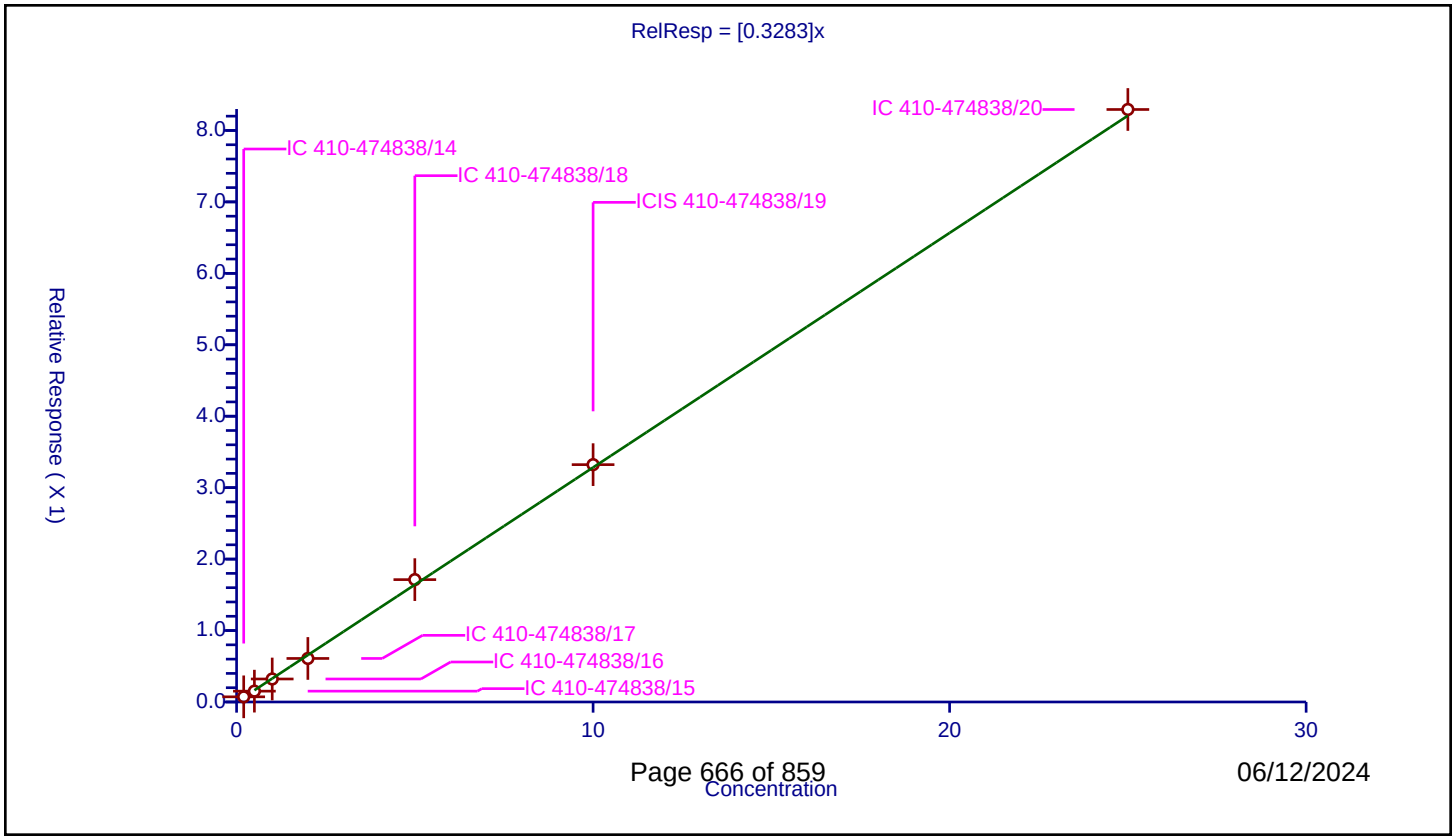
Curve Coefficients

Intercept:	0
Slope:	0.3283

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.072318	10.0	1560735.0	0.361592	Y
2	IC 410-474838/15	0.5	0.151686	10.0	1564746.0	0.303372	Y
3	IC 410-474838/16	1.0	0.32177	10.0	1504988.0	0.32177	Y
4	IC 410-474838/17	2.0	0.609486	10.0	1566550.0	0.304743	Y
5	IC 410-474838/18	5.0	1.712767	10.0	1563464.0	0.342553	Y
6	ICIS 410-474838/19	10.0	3.322177	10.0	1568285.0	0.332218	Y
7	IC 410-474838/20	25.0	8.293462	10.0	1570929.0	0.331738	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

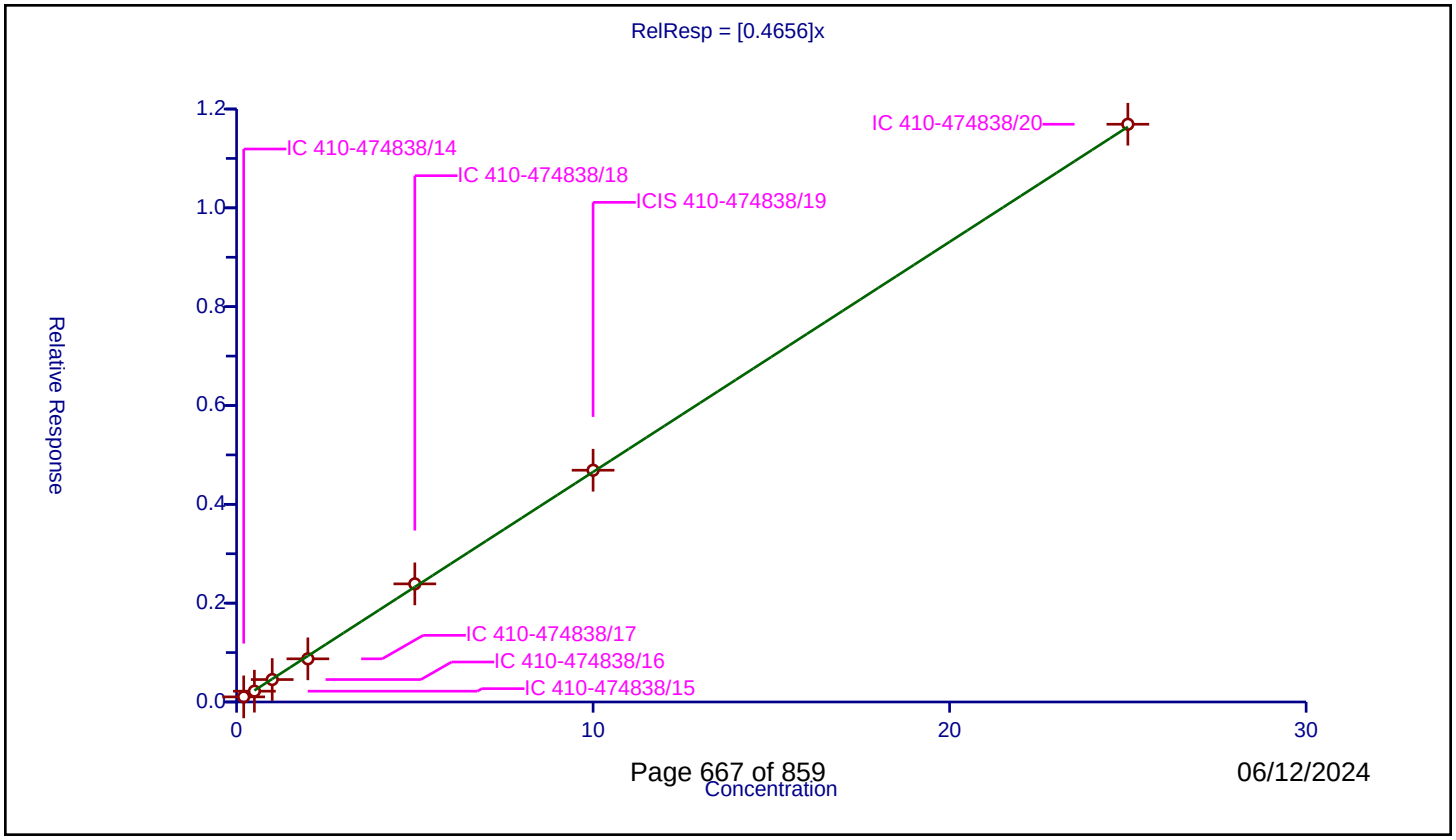
Curve Coefficients

Intercept:	0
Slope:	0.4656

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.103163	10.0	1560735.0	0.515815	Y
2	IC 410-474838/15	0.5	0.218821	10.0	1564746.0	0.437643	Y
3	IC 410-474838/16	1.0	0.453984	10.0	1504988.0	0.453984	Y
4	IC 410-474838/17	2.0	0.873684	10.0	1566550.0	0.436842	Y
5	IC 410-474838/18	5.0	2.390167	10.0	1563464.0	0.478033	Y
6	ICIS 410-474838/19	10.0	4.690123	10.0	1568285.0	0.469012	Y
7	IC 410-474838/20	25.0	11.692005	10.0	1570929.0	0.46768	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

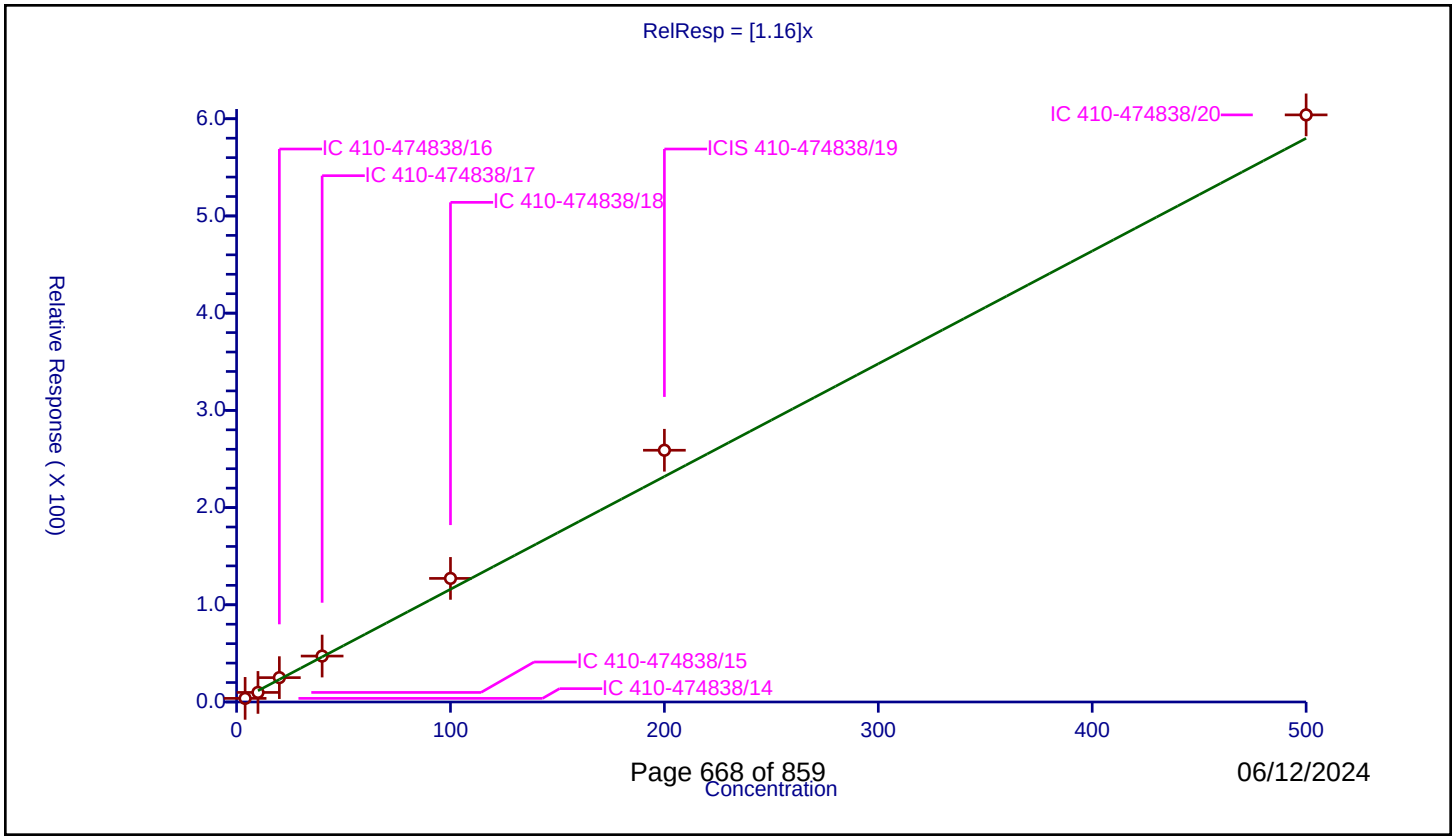
Curve Coefficients

Intercept:	0
Slope:	1.16

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	4.0	3.704145	50.0	125913.0	0.926036	Y
2	IC 410-474838/15	10.0	9.844303	50.0	129354.0	0.98443	Y
3	IC 410-474838/16	20.0	25.04575	50.0	143717.0	1.252287	Y
4	IC 410-474838/17	40.0	47.256434	50.0	153049.0	1.181411	Y
5	IC 410-474838/18	100.0	127.141013	50.0	157227.0	1.27141	Y
6	ICIS 410-474838/19	200.0	258.970723	50.0	136115.0	1.294854	Y
7	IC 410-474838/20	500.0	603.955452	50.0	154799.0	1.207911	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

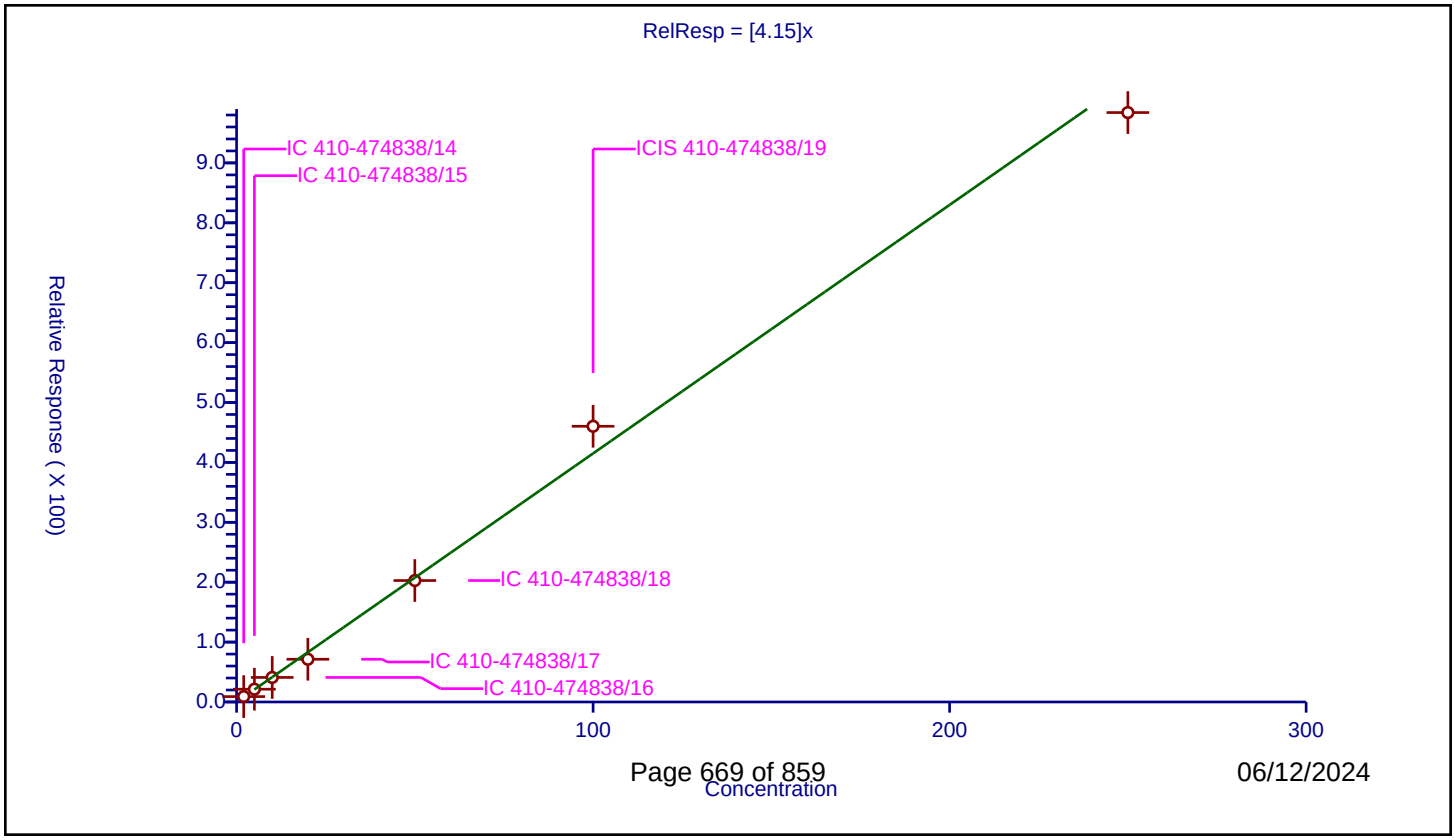
Curve Coefficients

Intercept:	0
Slope:	4.15

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	2.0	9.033221	50.0	125913.0	4.516611	Y
2	IC 410-474838/15	5.0	21.354191	50.0	129354.0	4.270838	Y
3	IC 410-474838/16	10.0	40.972188	50.0	143717.0	4.097219	Y
4	IC 410-474838/17	20.0	71.343491	50.0	153049.0	3.567175	Y
5	IC 410-474838/18	50.0	202.781329	50.0	157227.0	4.055627	Y
6	ICIS 410-474838/19	100.0	460.33648	50.0	136115.0	4.603365	Y
7	IC 410-474838/20	250.0	984.086784	50.0	154799.0	3.936347	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

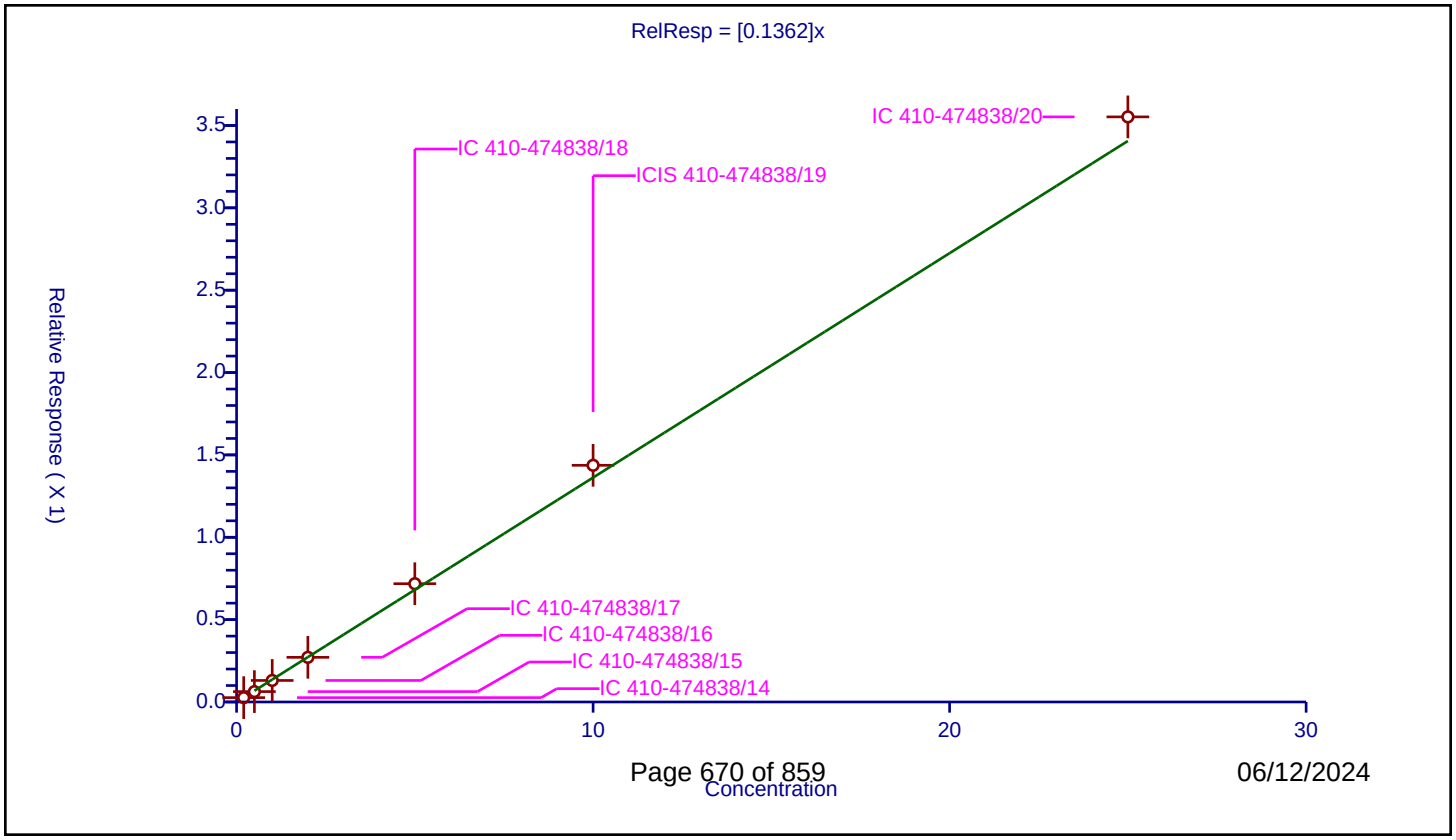
Curve Coefficients

Intercept:	0
Slope:	0.1362

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.026391	10.0	1560735.0	0.131957	Y
2	IC 410-474838/15	0.5	0.063045	10.0	1564746.0	0.126091	Y
3	IC 410-474838/16	1.0	0.130712	10.0	1504988.0	0.130712	Y
4	IC 410-474838/17	2.0	0.271016	10.0	1566550.0	0.135508	Y
5	IC 410-474838/18	5.0	0.718072	10.0	1563464.0	0.143614	Y
6	ICIS 410-474838/19	10.0	1.436984	10.0	1568285.0	0.143698	Y
7	IC 410-474838/20	25.0	3.552191	10.0	1570929.0	0.142088	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

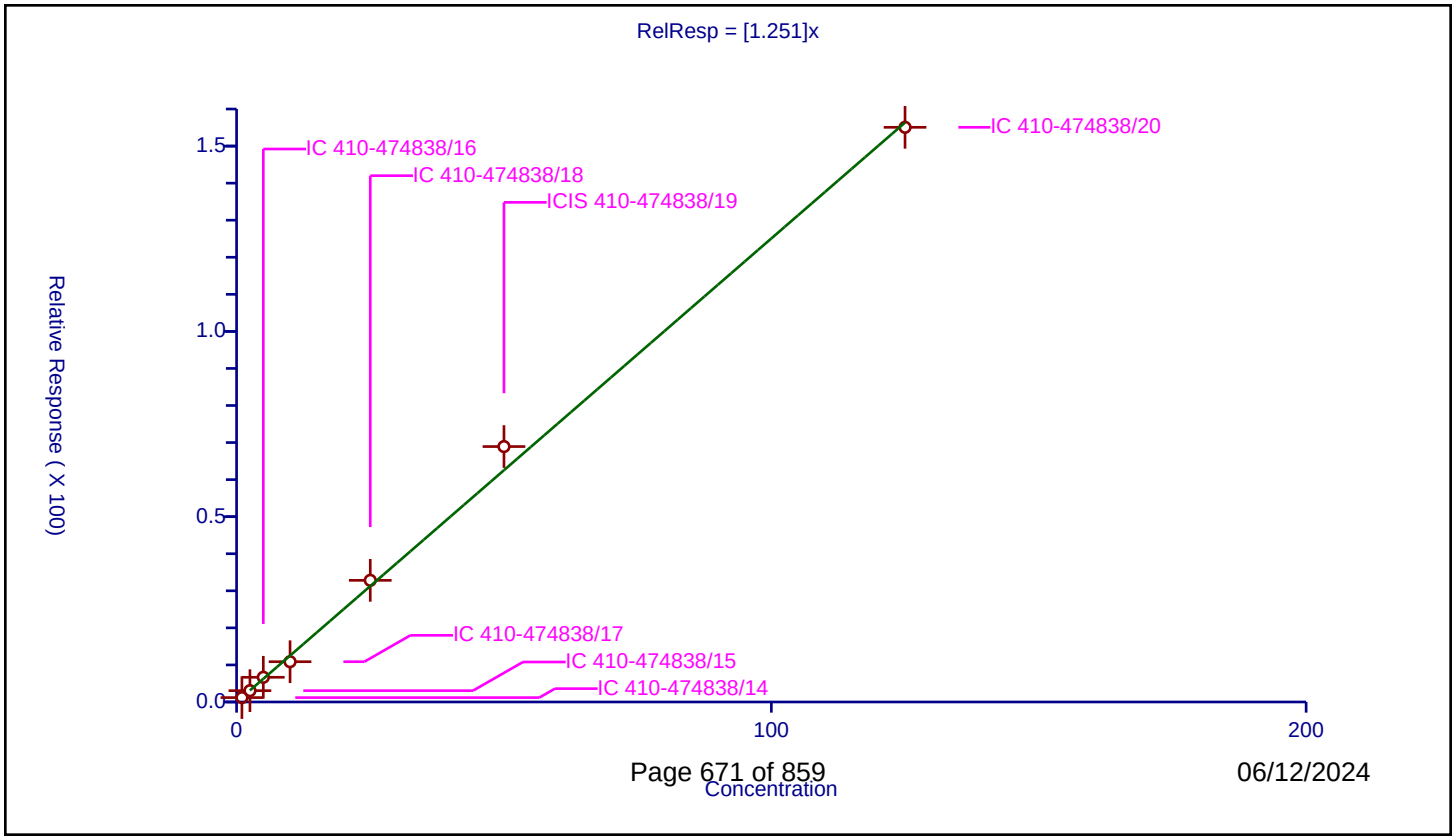
Curve Coefficients

Intercept:	0
Slope:	1.251

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	1.0	1.181371	50.0	125913.0	1.181371	Y
2	IC 410-474838/15	2.5	3.056342	50.0	129354.0	1.222537	Y
3	IC 410-474838/16	5.0	6.663791	50.0	143717.0	1.332758	Y
4	IC 410-474838/17	10.0	10.866781	50.0	153049.0	1.086678	Y
5	IC 410-474838/18	25.0	32.825151	50.0	157227.0	1.313006	Y
6	ICIS 410-474838/19	50.0	68.919296	50.0	136115.0	1.378386	Y
7	IC 410-474838/20	125.0	155.064632	50.0	154799.0	1.240517	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

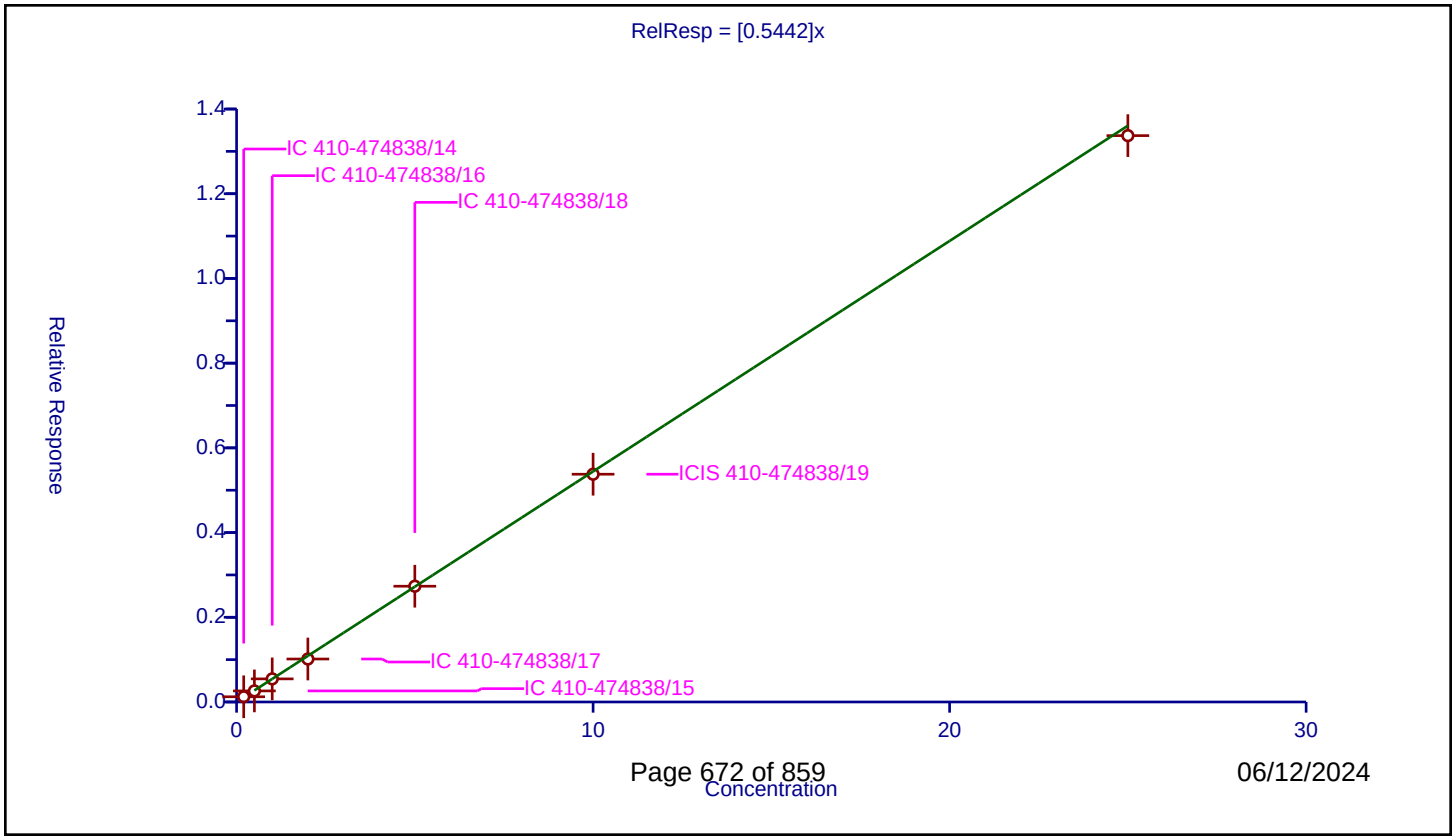
Curve Coefficients

Intercept:	0
Slope:	0.5442

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.122884	10.0	1560735.0	0.614422	Y
2	IC 410-474838/15	0.5	0.261403	10.0	1564746.0	0.522807	Y
3	IC 410-474838/16	1.0	0.545732	10.0	1504988.0	0.545732	Y
4	IC 410-474838/17	2.0	1.01481	10.0	1566550.0	0.507405	Y
5	IC 410-474838/18	5.0	2.73352	10.0	1563464.0	0.546704	Y
6	ICIS 410-474838/19	10.0	5.377607	10.0	1568285.0	0.537761	Y
7	IC 410-474838/20	25.0	13.371355	10.0	1570929.0	0.534854	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

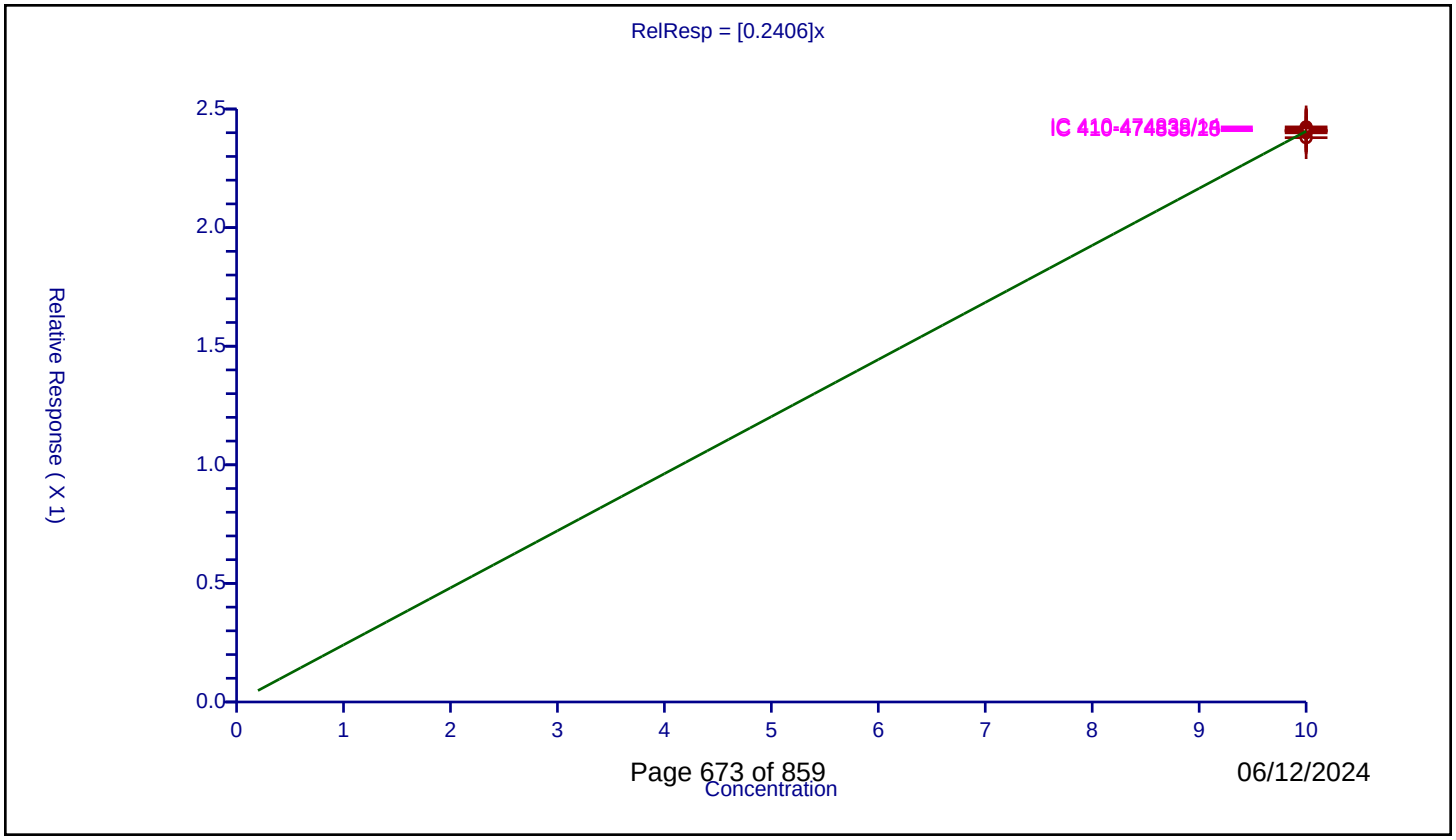
Curve Coefficients

Intercept:	0
Slope:	0.2406

Error Coefficients

Relative Standard Deviation:	0.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	10.0	2.424659	10.0	1560735.0	0.242466	Y
2	IC 410-474838/15	10.0	2.408953	10.0	1564746.0	0.240895	Y
3	IC 410-474838/16	10.0	2.406032	10.0	1504988.0	0.240603	Y
4	IC 410-474838/17	10.0	2.39963	10.0	1566550.0	0.239963	Y
5	IC 410-474838/18	10.0	2.414971	10.0	1563464.0	0.241497	Y
6	ICIS 410-474838/19	10.0	2.379172	10.0	1568285.0	0.237917	Y
7	IC 410-474838/20	10.0	2.409765	10.0	1570929.0	0.240977	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

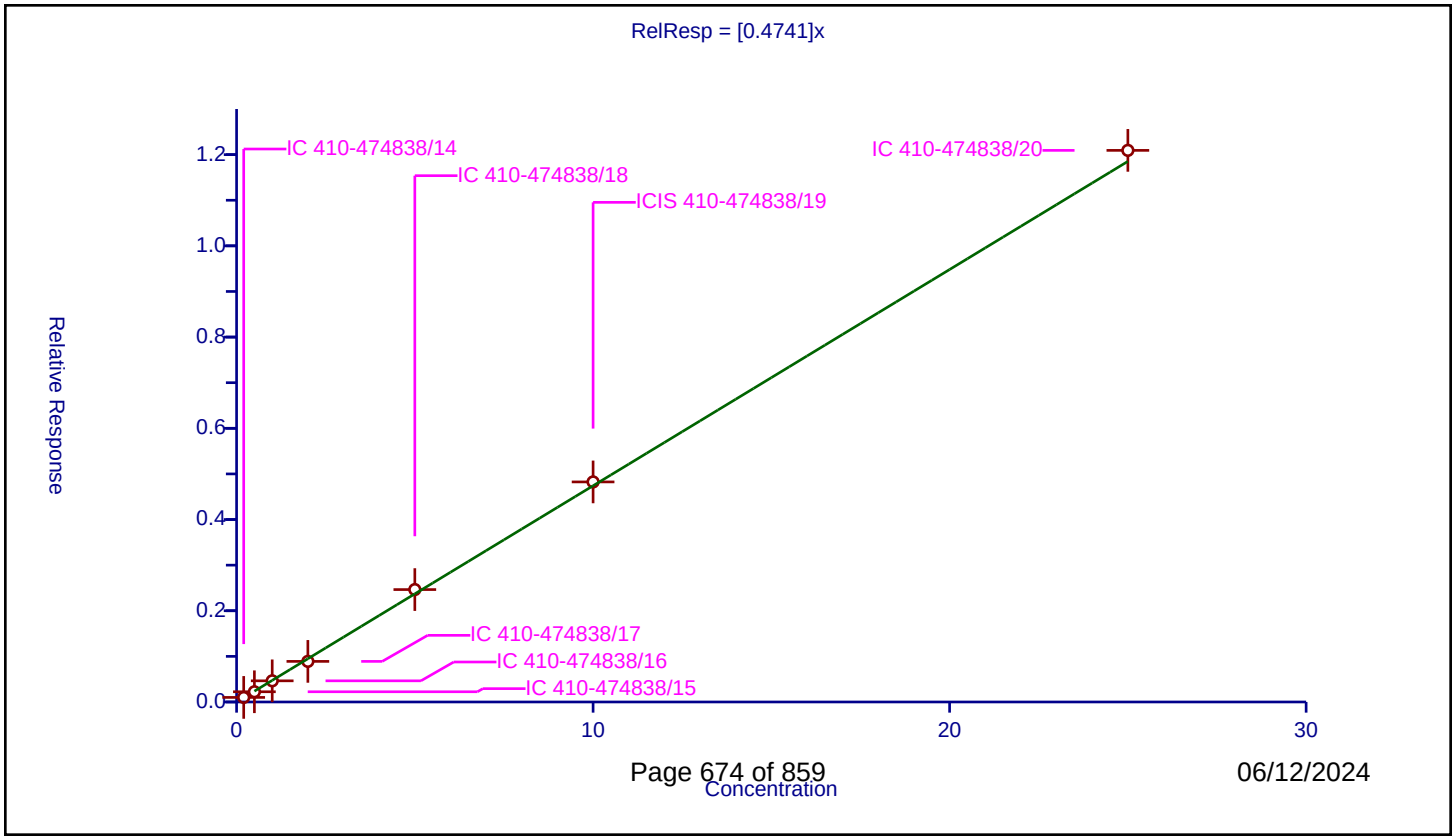
Curve Coefficients

Intercept:	0
Slope:	0.4741

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.100408	10.0	1560735.0	0.502039	Y
2	IC 410-474838/15	0.5	0.224132	10.0	1564746.0	0.448264	Y
3	IC 410-474838/16	1.0	0.463931	10.0	1504988.0	0.463931	Y
4	IC 410-474838/17	2.0	0.890358	10.0	1566550.0	0.445179	Y
5	IC 410-474838/18	5.0	2.464438	10.0	1563464.0	0.492888	Y
6	ICIS 410-474838/19	10.0	4.824423	10.0	1568285.0	0.482442	Y
7	IC 410-474838/20	25.0	12.093513	10.0	1570929.0	0.483741	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

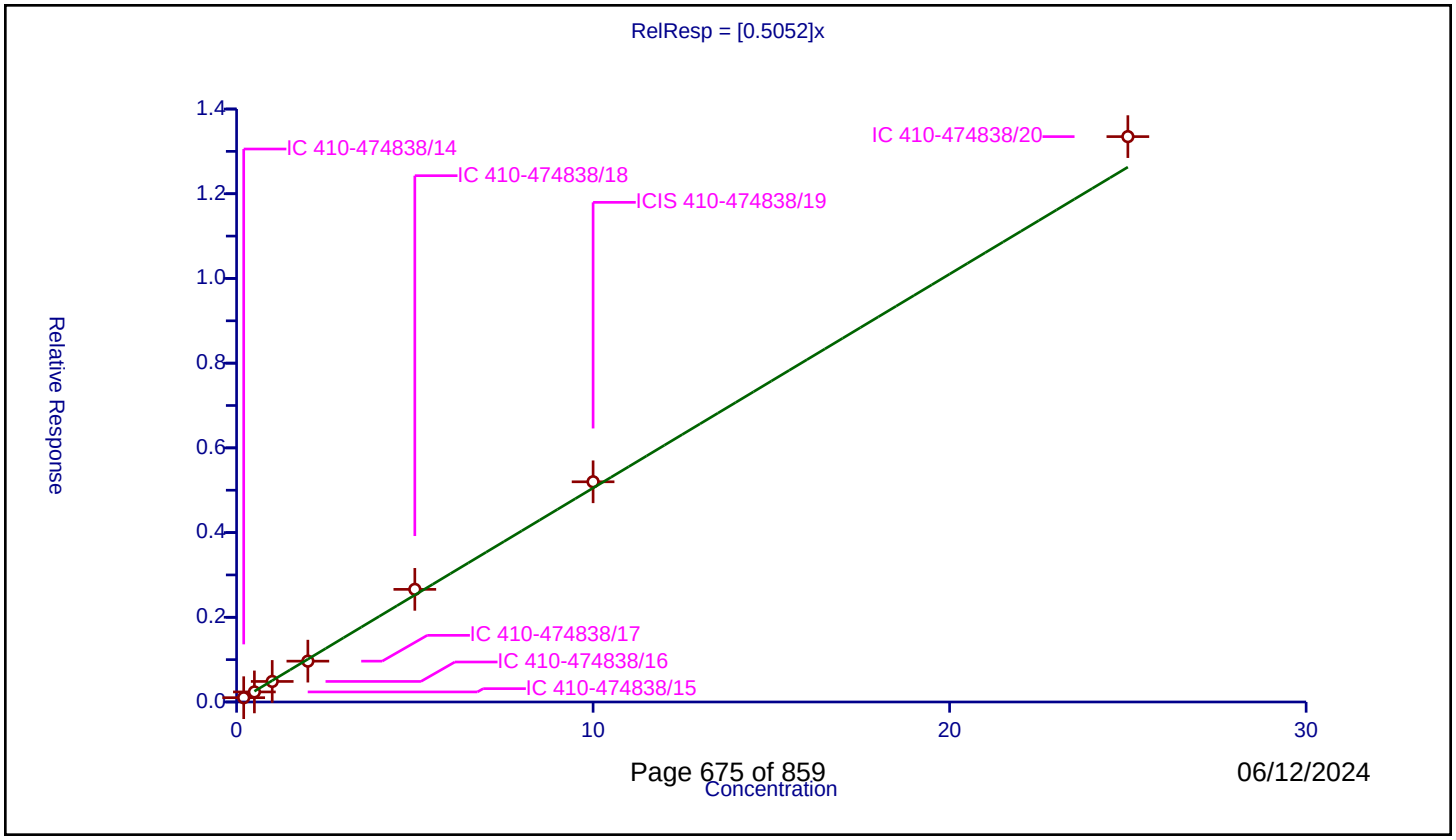
Curve Coefficients

Intercept:	0
Slope:	0.5052

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.101702	10.0	1560735.0	0.50851	Y
2	IC 410-474838/15	0.5	0.237368	10.0	1564746.0	0.474735	Y
3	IC 410-474838/16	1.0	0.484947	10.0	1504988.0	0.484947	Y
4	IC 410-474838/17	2.0	0.964444	10.0	1566550.0	0.482222	Y
5	IC 410-474838/18	5.0	2.659115	10.0	1563464.0	0.531823	Y
6	ICIS 410-474838/19	10.0	5.199023	10.0	1568285.0	0.519902	Y
7	IC 410-474838/20	25.0	13.348076	10.0	1570929.0	0.533923	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

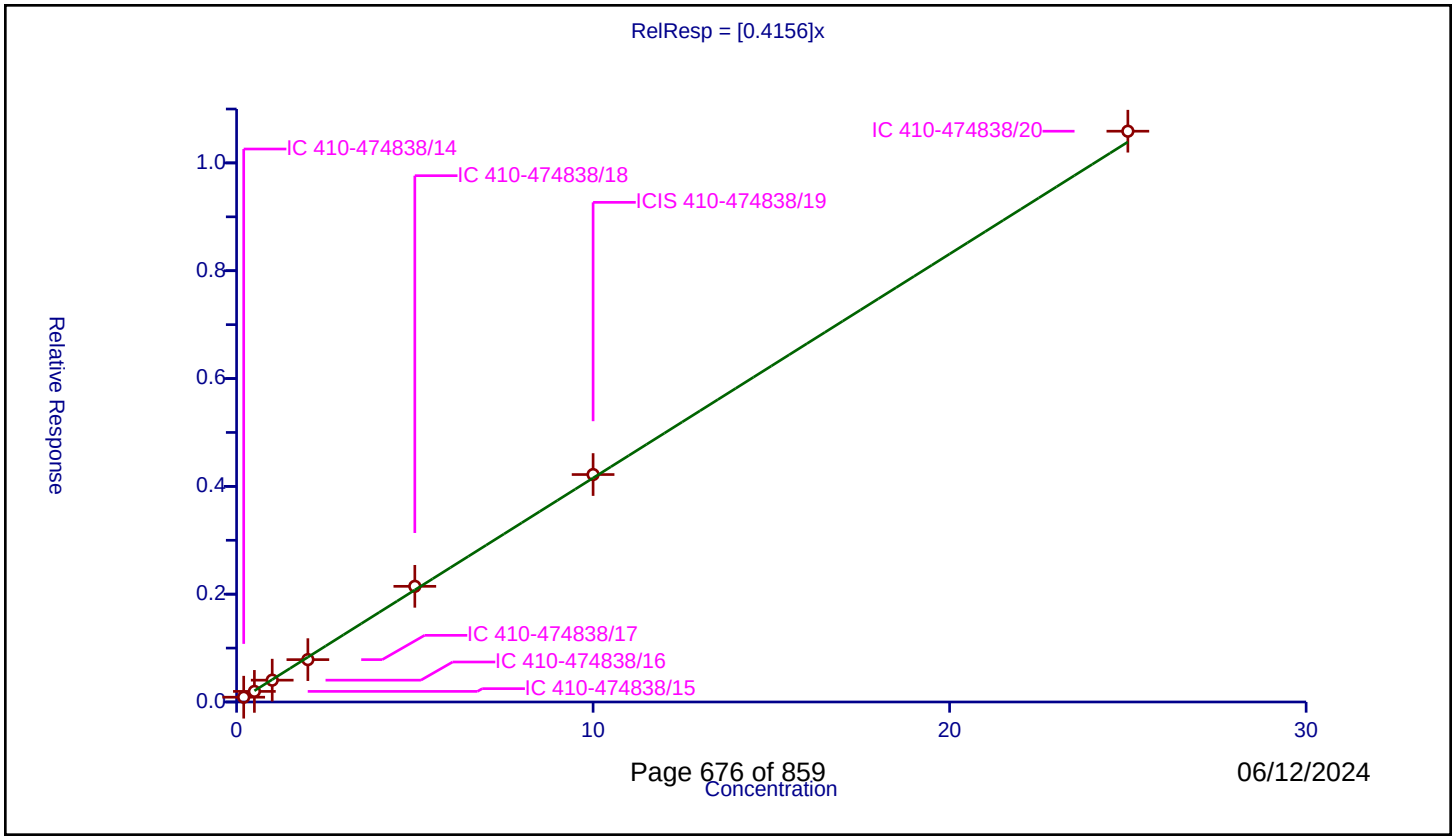
Curve Coefficients

Intercept:	0
Slope:	0.4156

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.088676	10.0	1560735.0	0.443381	Y
2	IC 410-474838/15	0.5	0.196562	10.0	1564746.0	0.393125	Y
3	IC 410-474838/16	1.0	0.404767	10.0	1504988.0	0.404767	Y
4	IC 410-474838/17	2.0	0.785995	10.0	1566550.0	0.392997	Y
5	IC 410-474838/18	5.0	2.145774	10.0	1563464.0	0.429155	Y
6	ICIS 410-474838/19	10.0	4.219316	10.0	1568285.0	0.421932	Y
7	IC 410-474838/20	25.0	10.588435	10.0	1570929.0	0.423537	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

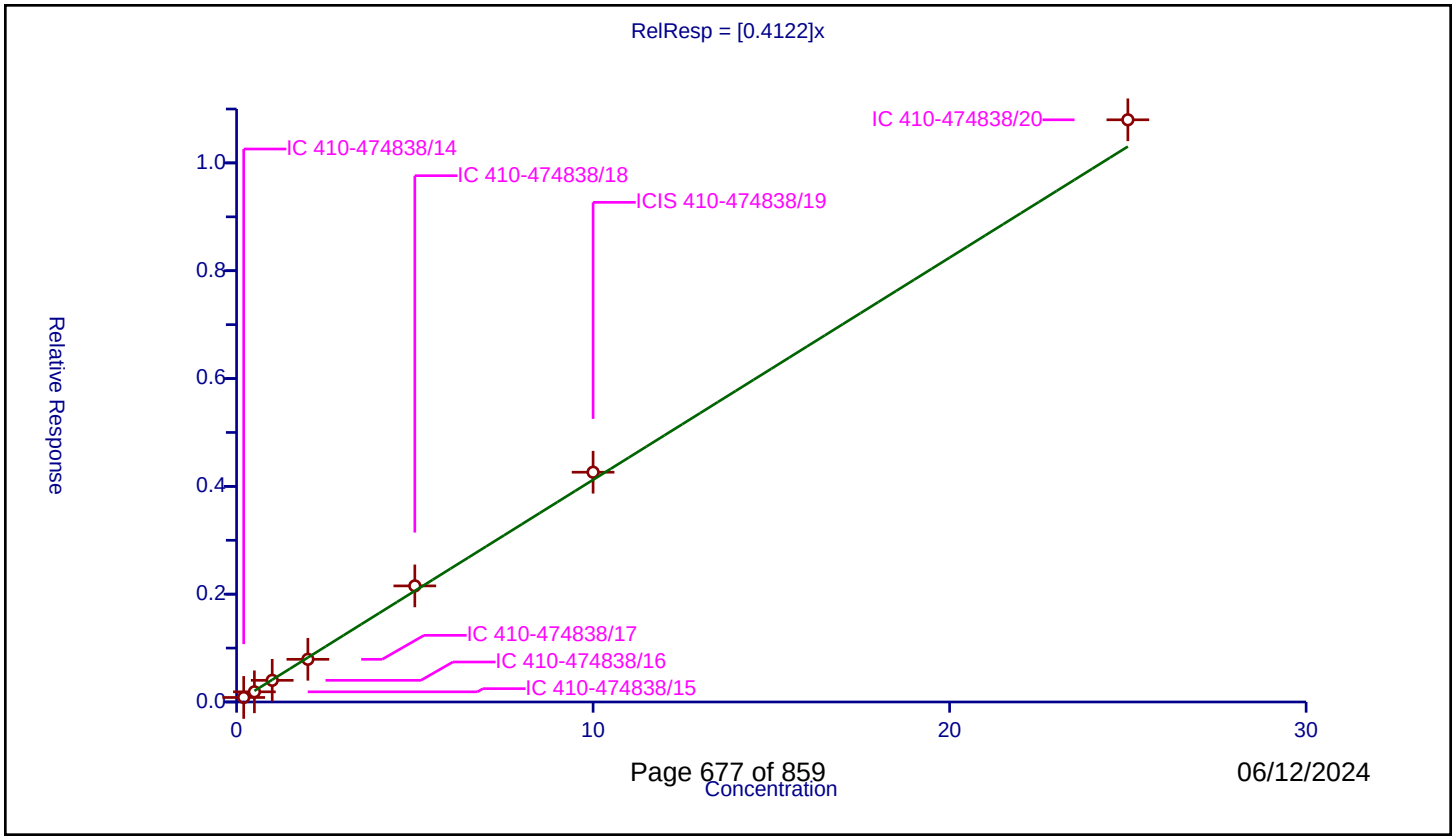
Curve Coefficients

Intercept:	0
Slope:	0.4122

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.084095	10.0	1560735.0	0.420475	Y
2	IC 410-474838/15	0.5	0.188944	10.0	1564746.0	0.377889	Y
3	IC 410-474838/16	1.0	0.40195	10.0	1504988.0	0.40195	Y
4	IC 410-474838/17	2.0	0.791836	10.0	1566550.0	0.395918	Y
5	IC 410-474838/18	5.0	2.153379	10.0	1563464.0	0.430676	Y
6	ICIS 410-474838/19	10.0	4.262427	10.0	1568285.0	0.426243	Y
7	IC 410-474838/20	25.0	10.80003	10.0	1570929.0	0.432001	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

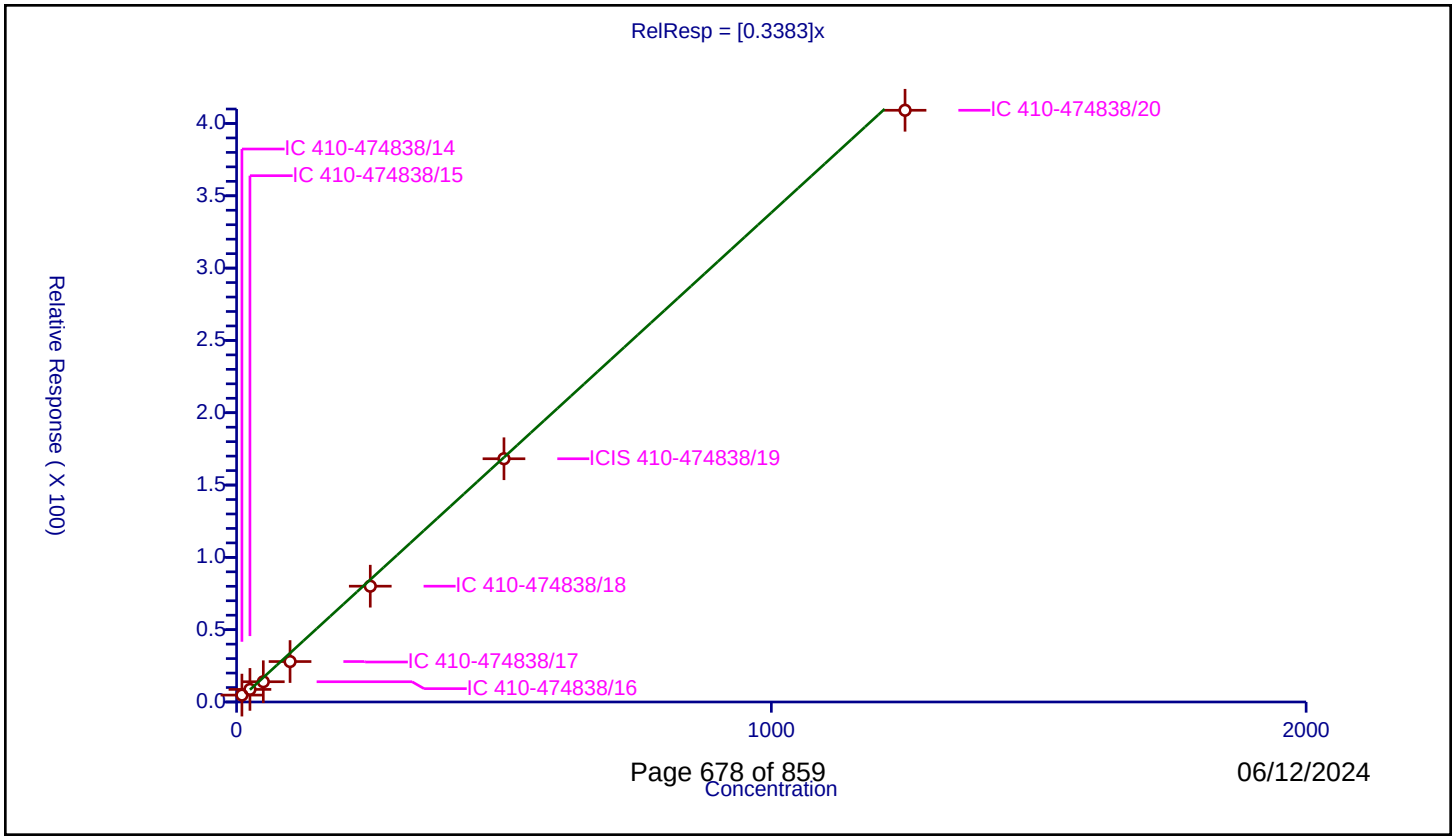
Curve Coefficients

Intercept:	0
Slope:	0.3383

Error Coefficients

Relative Standard Deviation:	19.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	10.0	4.76996	50.0	125913.0	0.476996	Y
2	IC 410-474838/15	25.0	8.695518	50.0	129354.0	0.347821	Y
3	IC 410-474838/16	50.0	14.000779	50.0	143717.0	0.280016	Y
4	IC 410-474838/17	100.0	27.96098	50.0	153049.0	0.27961	Y
5	IC 410-474838/18	250.0	80.059405	50.0	157227.0	0.320238	Y
6	ICIS 410-474838/19	500.0	168.190868	50.0	136115.0	0.336382	Y
7	IC 410-474838/20	1250.0	409.136041	50.0	154799.0	0.327309	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

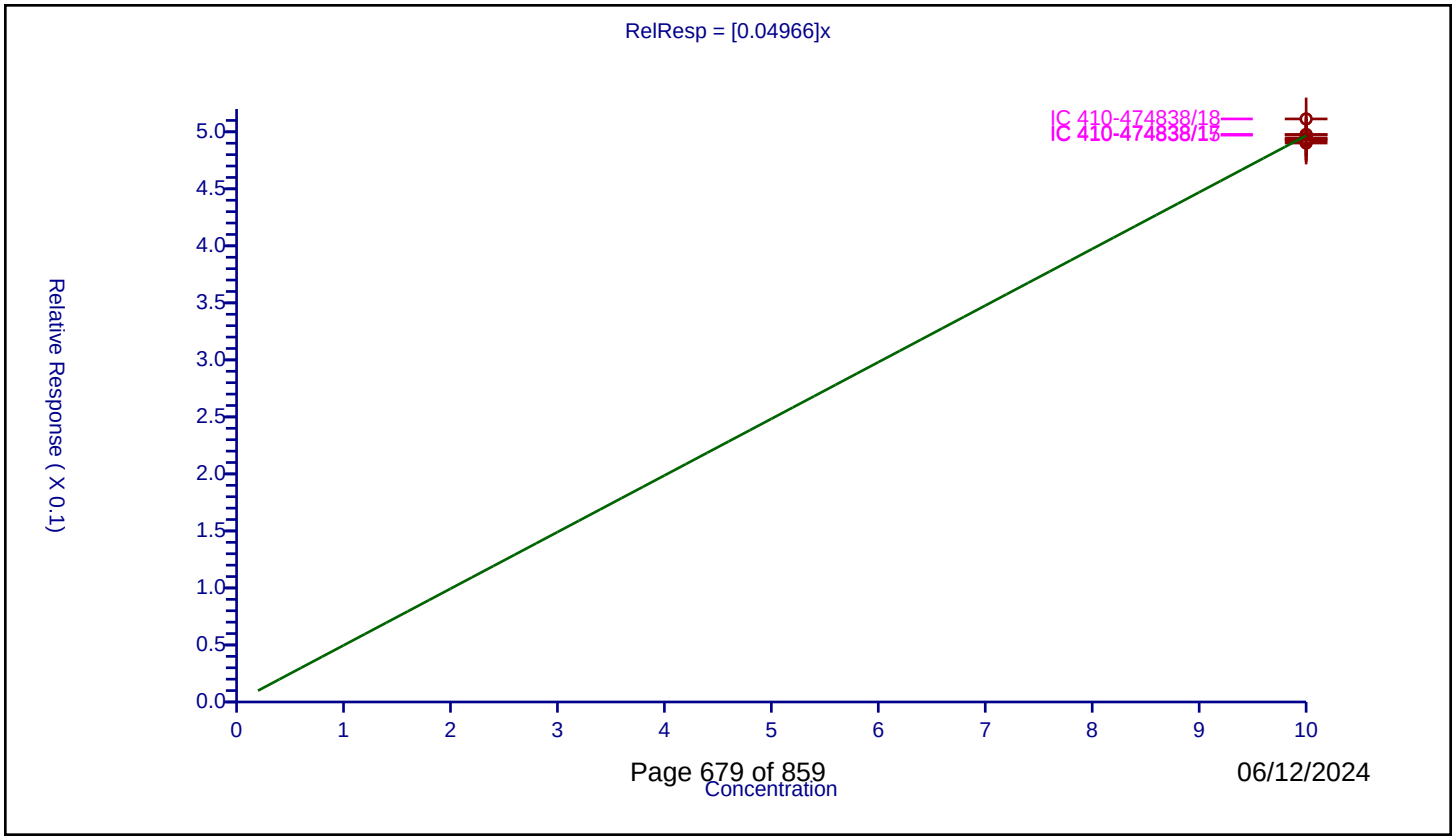
Curve Coefficients

Intercept:	0
Slope:	0.04966

Error Coefficients

Relative Standard Deviation:	1.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	10.0	0.492217	10.0	1560735.0	0.049222	Y
2	IC 410-474838/15	10.0	0.497103	10.0	1564746.0	0.04971	Y
3	IC 410-474838/16	10.0	0.493519	10.0	1504988.0	0.049352	Y
4	IC 410-474838/17	10.0	0.497718	10.0	1566550.0	0.049772	Y
5	IC 410-474838/18	10.0	0.511301	10.0	1563464.0	0.05113	Y
6	ICIS 410-474838/19	10.0	0.494311	10.0	1568285.0	0.049431	Y
7	IC 410-474838/20	10.0	0.490169	10.0	1570929.0	0.049017	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

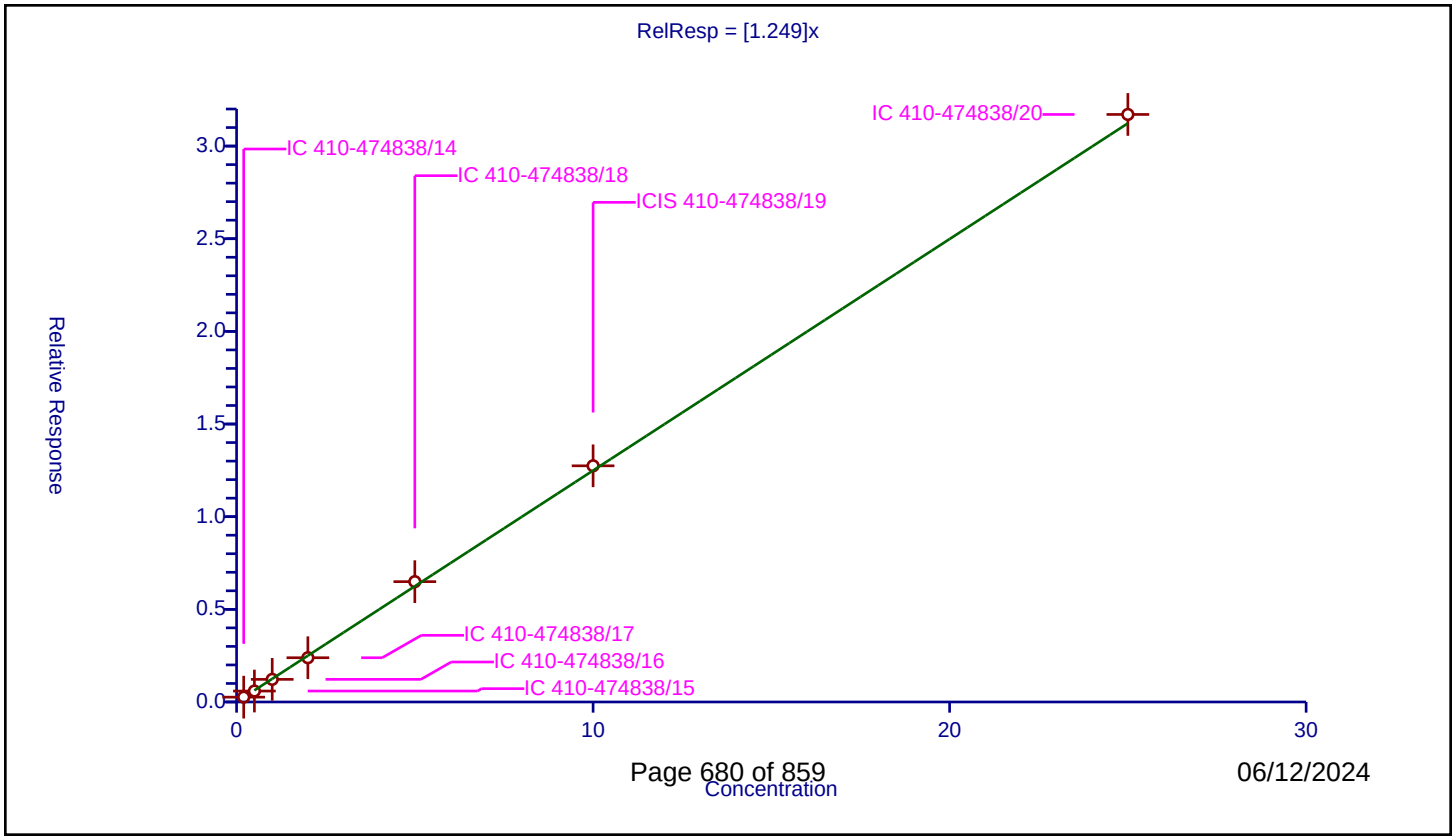
Curve Coefficients

Intercept:	0
Slope:	1.249

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.261486	10.0	1560735.0	1.307429	Y
2	IC 410-474838/15	0.5	0.590115	10.0	1564746.0	1.18023	Y
3	IC 410-474838/16	1.0	1.220814	10.0	1504988.0	1.220814	Y
4	IC 410-474838/17	2.0	2.388012	10.0	1566550.0	1.194006	Y
5	IC 410-474838/18	5.0	6.493626	10.0	1563464.0	1.298725	Y
6	ICIS 410-474838/19	10.0	12.745681	10.0	1568285.0	1.274568	Y
7	IC 410-474838/20	25.0	31.706194	10.0	1570929.0	1.268248	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

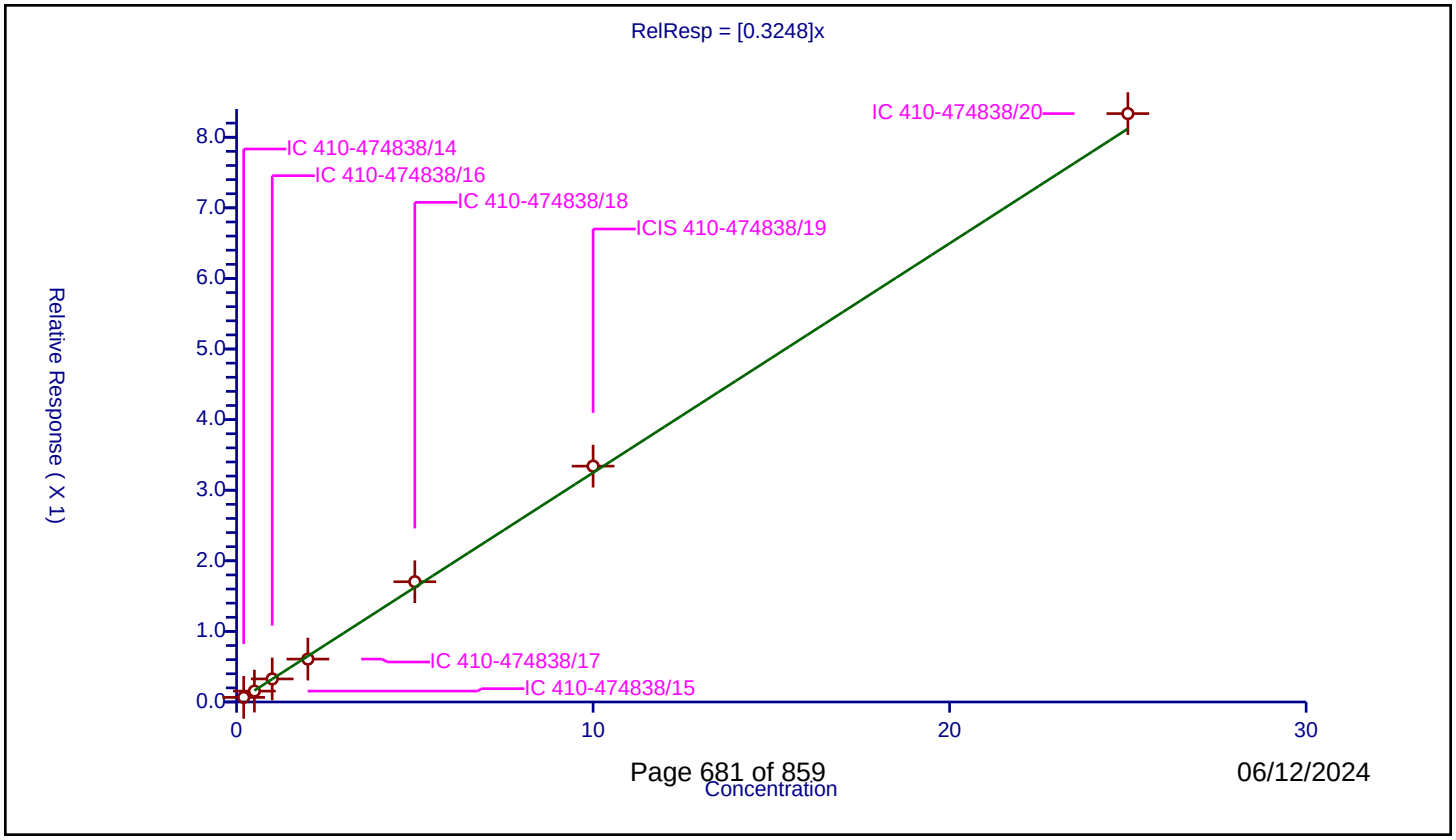
Curve Coefficients

Intercept:	0
Slope:	0.3248

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.065328	10.0	1560735.0	0.326641	Y
2	IC 410-474838/15	0.5	0.154127	10.0	1564746.0	0.308255	Y
3	IC 410-474838/16	1.0	0.326694	10.0	1504988.0	0.326694	Y
4	IC 410-474838/17	2.0	0.607788	10.0	1566550.0	0.303894	Y
5	IC 410-474838/18	5.0	1.703666	10.0	1563464.0	0.340733	Y
6	ICIS 410-474838/19	10.0	3.340898	10.0	1568285.0	0.33409	Y
7	IC 410-474838/20	25.0	8.335157	10.0	1570929.0	0.333406	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

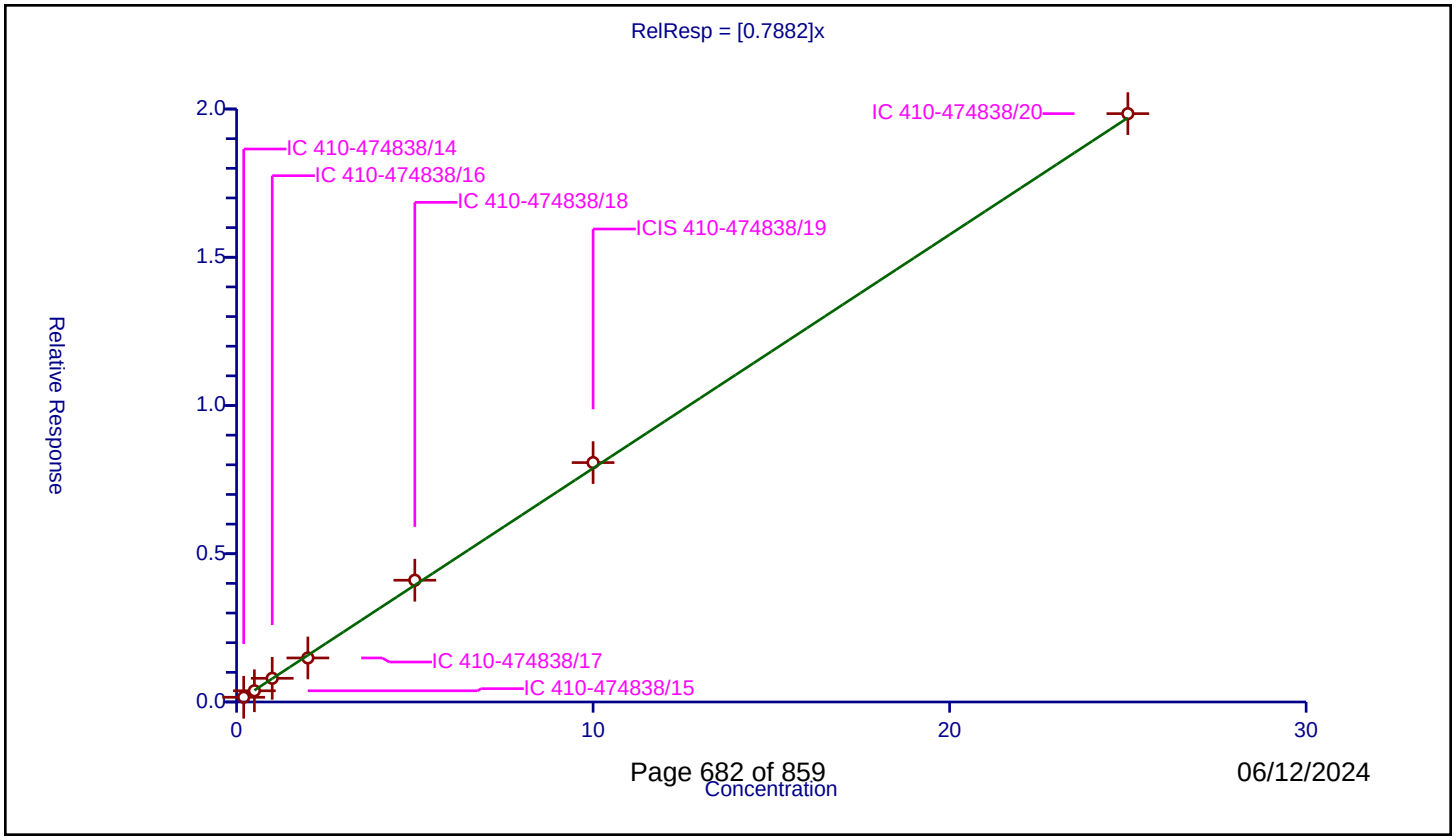
Curve Coefficients

Intercept:	0
Slope:	0.7882

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.159476	10.0	1560735.0	0.797381	Y
2	IC 410-474838/15	0.5	0.377844	10.0	1564746.0	0.755688	Y
3	IC 410-474838/16	1.0	0.798751	10.0	1504988.0	0.798751	Y
4	IC 410-474838/17	2.0	1.485443	10.0	1566550.0	0.742721	Y
5	IC 410-474838/18	5.0	4.107181	10.0	1563464.0	0.821436	Y
6	ICIS 410-474838/19	10.0	8.074355	10.0	1568285.0	0.807436	Y
7	IC 410-474838/20	25.0	19.84443	10.0	1570929.0	0.793777	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

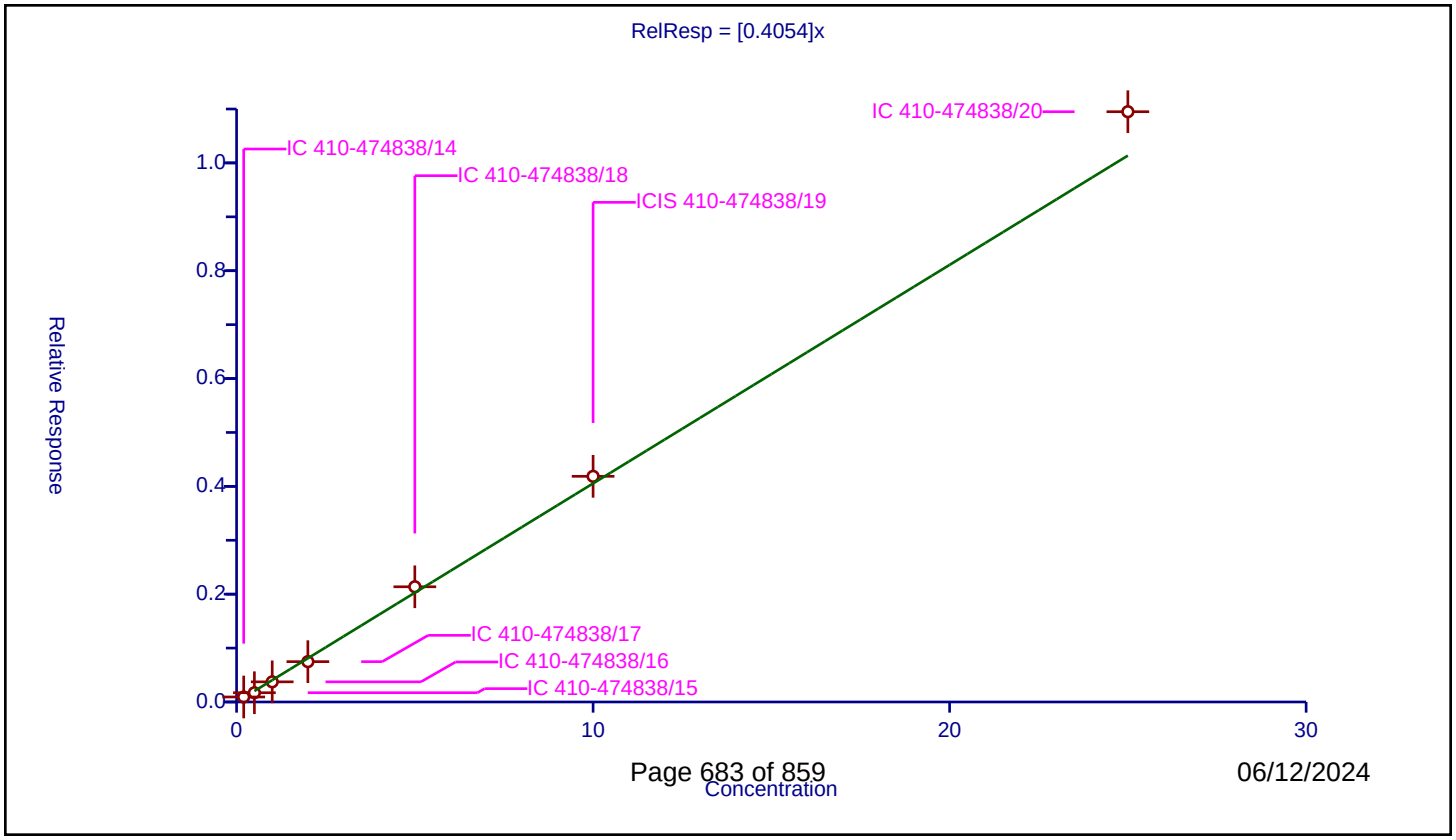
Curve Coefficients

Intercept:	0
Slope:	0.4054

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.092533	10.0	1560735.0	0.462667	Y
2	IC 410-474838/15	0.5	0.171734	10.0	1564746.0	0.343468	Y
3	IC 410-474838/16	1.0	0.373717	10.0	1504988.0	0.373717	Y
4	IC 410-474838/17	2.0	0.748256	10.0	1566550.0	0.374128	Y
5	IC 410-474838/18	5.0	2.137235	10.0	1563464.0	0.427447	Y
6	ICIS 410-474838/19	10.0	4.186337	10.0	1568285.0	0.418634	Y
7	IC 410-474838/20	25.0	10.950272	10.0	1570929.0	0.438011	Y



Calibration / n-Butanol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

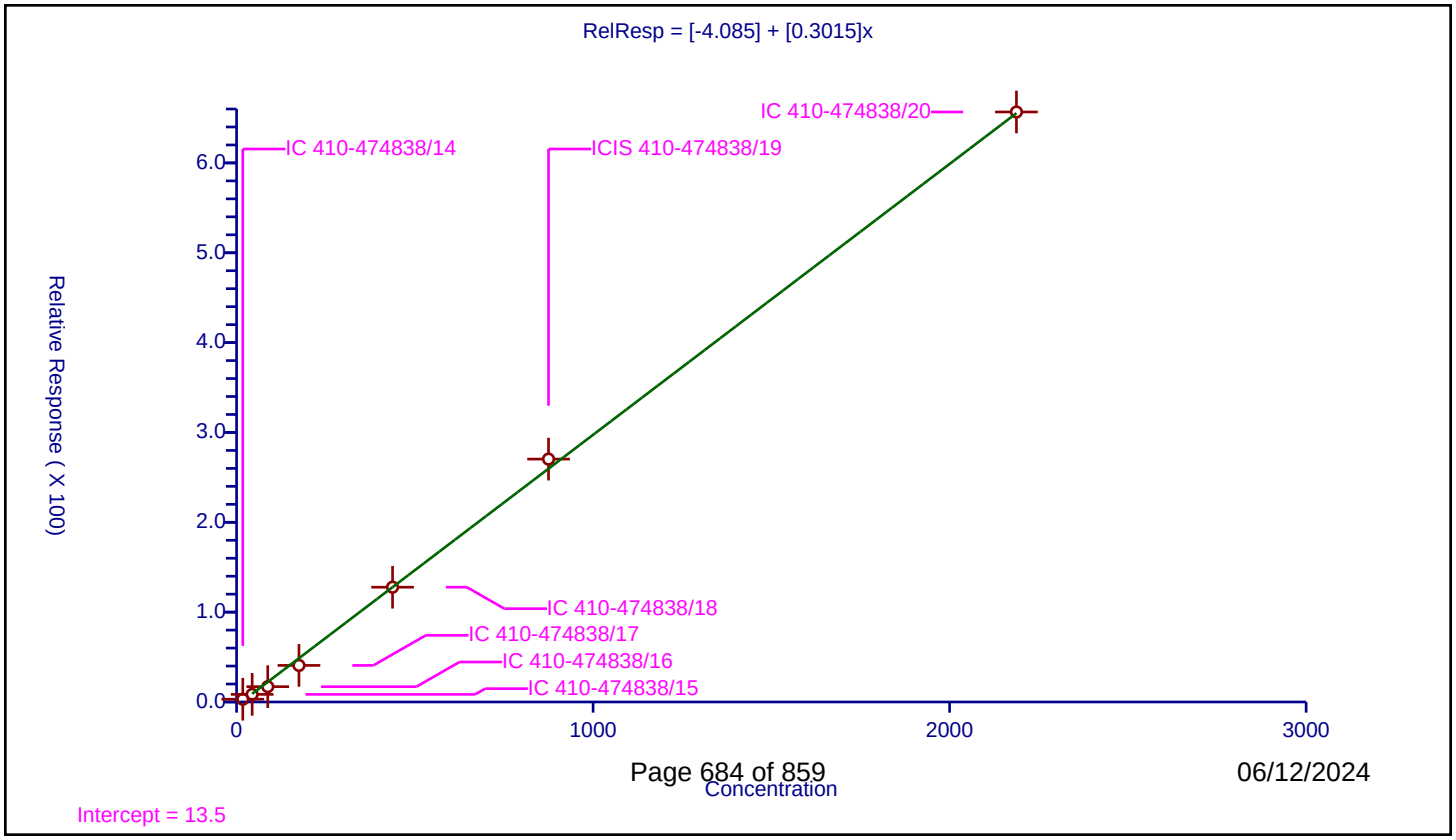
Curve Coefficients

Intercept:	-4.085
Slope:	0.3015

Error Coefficients

Relative Standard Deviation:	19.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	17.5	3.064815	50.0	125913.0	0.175132	Y
2	IC 410-474838/15	43.75	8.481377	50.0	129354.0	0.19386	Y
3	IC 410-474838/16	87.5	17.041825	50.0	143717.0	0.194764	Y
4	IC 410-474838/17	175.0	40.700037	50.0	153049.0	0.232572	Y
5	IC 410-474838/18	437.5	127.769085	50.0	157227.0	0.292044	Y
6	ICIS 410-474838/19	875.0	270.358153	50.0	136115.0	0.308981	Y
7	IC 410-474838/20	2187.5	656.706762	50.0	154799.0	0.300209	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

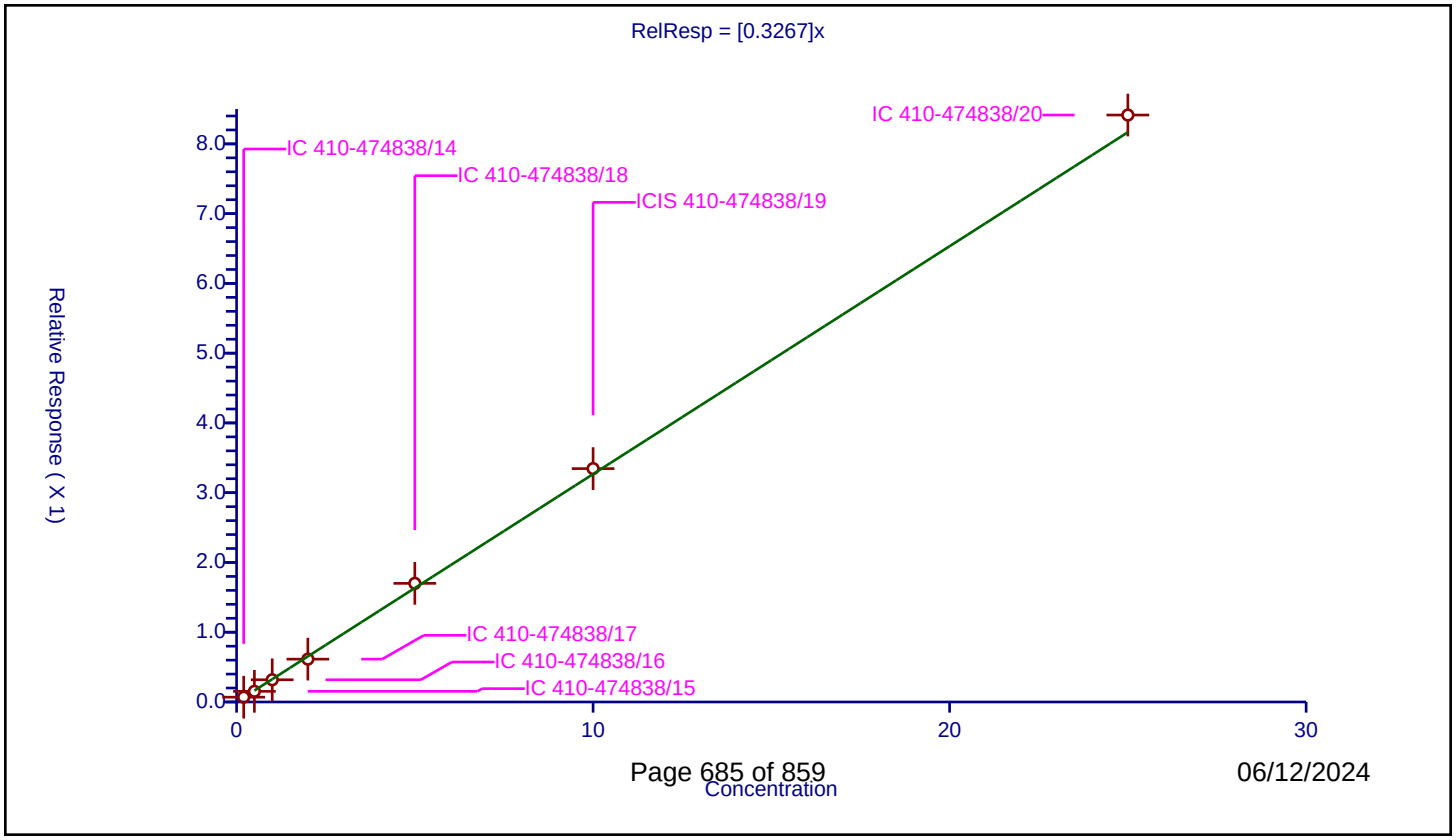
Curve Coefficients

Intercept:	0
Slope:	0.3267

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.068865	10.0	1560735.0	0.344325	Y
2	IC 410-474838/15	0.5	0.15274	10.0	1564746.0	0.305481	Y
3	IC 410-474838/16	1.0	0.318694	10.0	1504988.0	0.318694	Y
4	IC 410-474838/17	2.0	0.613967	10.0	1566550.0	0.306983	Y
5	IC 410-474838/18	5.0	1.700525	10.0	1563464.0	0.340105	Y
6	ICIS 410-474838/19	10.0	3.345196	10.0	1568285.0	0.33452	Y
7	IC 410-474838/20	25.0	8.413499	10.0	1570929.0	0.33654	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

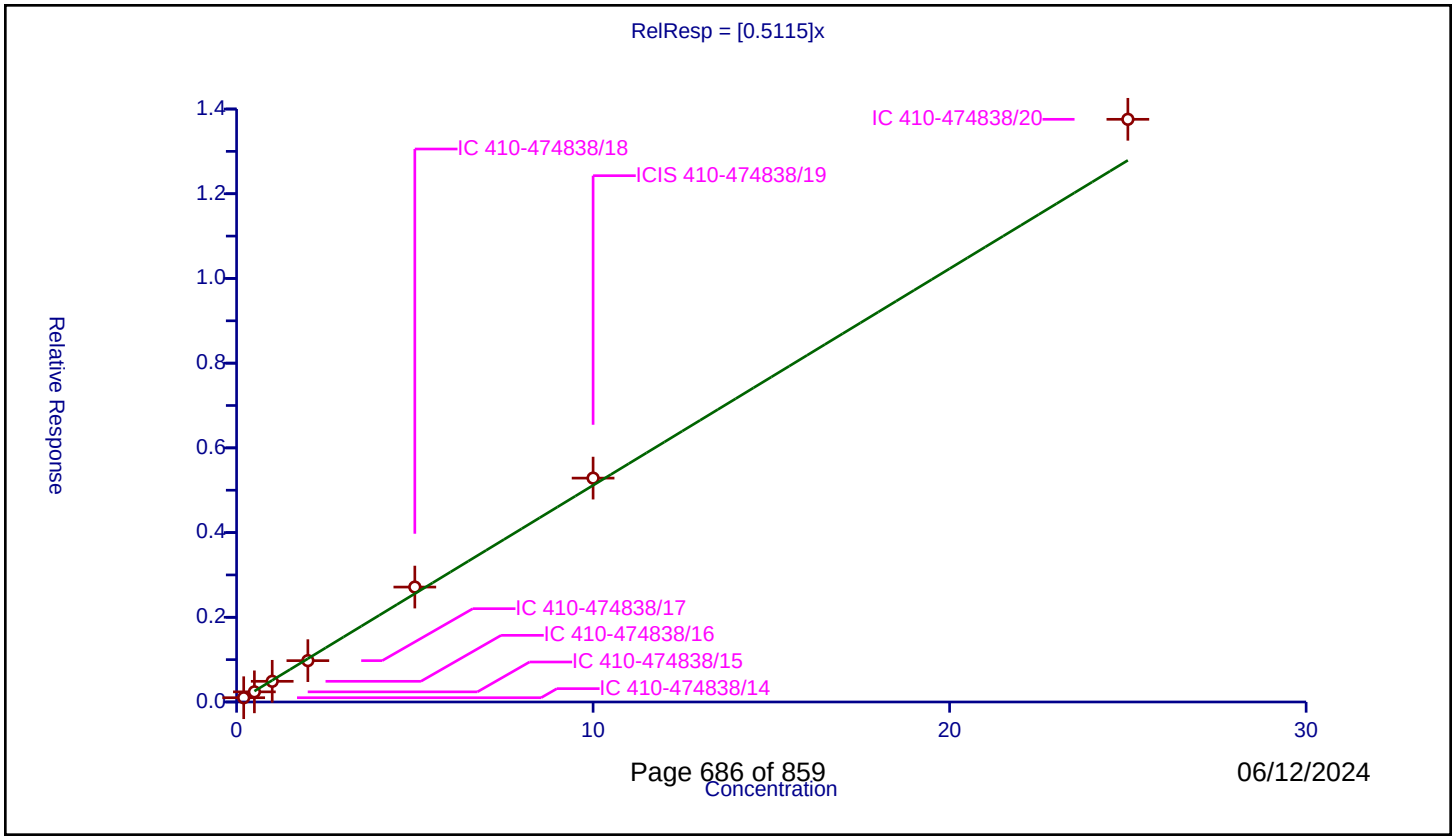
Curve Coefficients

Intercept:	0
Slope:	0.5115

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.100754	10.0	1560735.0	0.503769	Y
2	IC 410-474838/15	0.5	0.239681	10.0	1564746.0	0.479362	Y
3	IC 410-474838/16	1.0	0.488004	10.0	1504988.0	0.488004	Y
4	IC 410-474838/17	2.0	0.976298	10.0	1566550.0	0.488149	Y
5	IC 410-474838/18	5.0	2.713392	10.0	1563464.0	0.542678	Y
6	ICIS 410-474838/19	10.0	5.285576	10.0	1568285.0	0.528558	Y
7	IC 410-474838/20	25.0	13.757114	10.0	1570929.0	0.550285	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

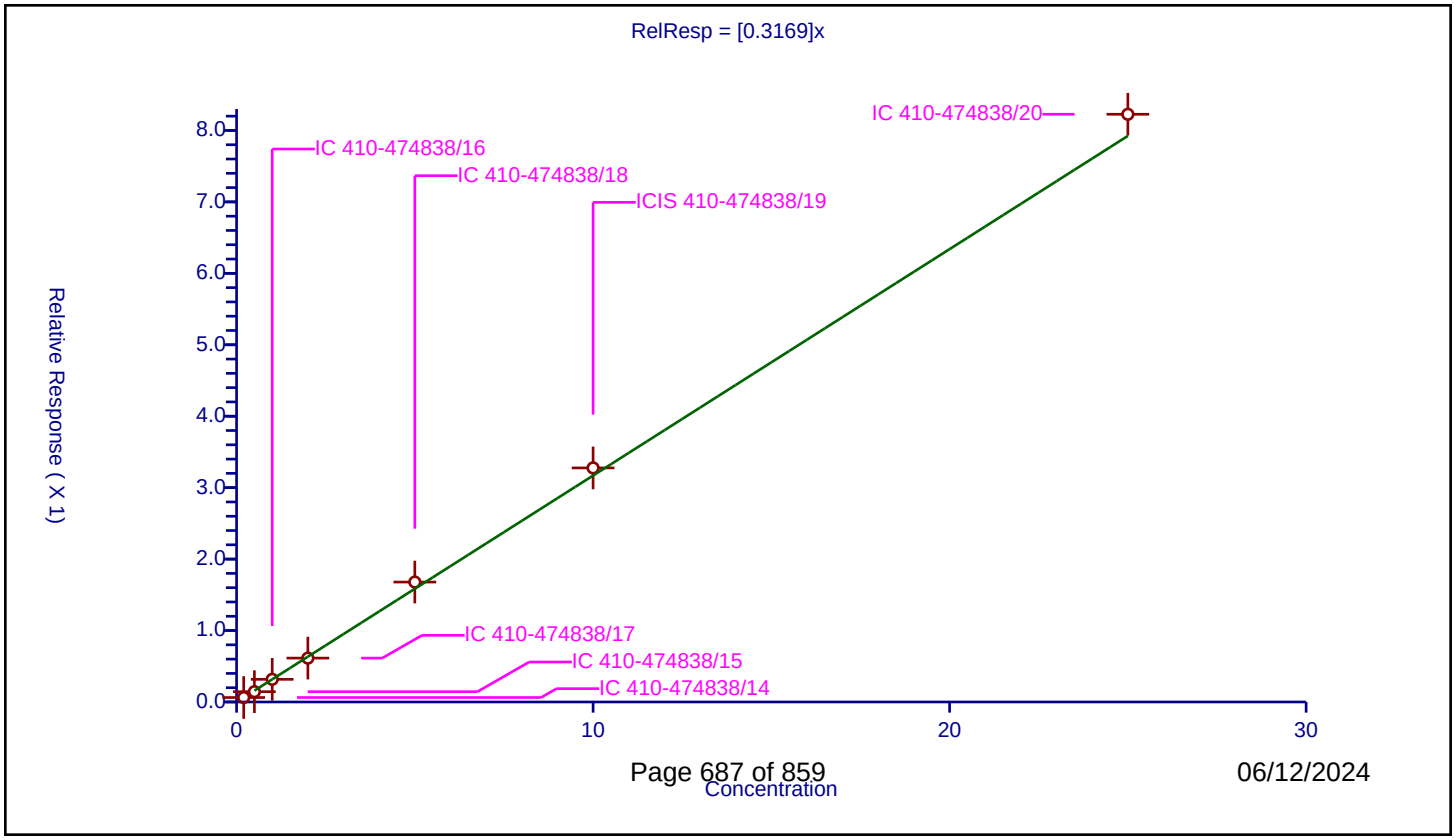
Curve Coefficients

Intercept:	0
Slope:	0.3169

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.062599	10.0	1560735.0	0.312994	Y
2	IC 410-474838/15	0.5	0.144432	10.0	1564746.0	0.288865	Y
3	IC 410-474838/16	1.0	0.317252	10.0	1504988.0	0.317252	Y
4	IC 410-474838/17	2.0	0.61405	10.0	1566550.0	0.307025	Y
5	IC 410-474838/18	5.0	1.678766	10.0	1563464.0	0.335753	Y
6	ICIS 410-474838/19	10.0	3.276452	10.0	1568285.0	0.327645	Y
7	IC 410-474838/20	25.0	8.226438	10.0	1570929.0	0.329058	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

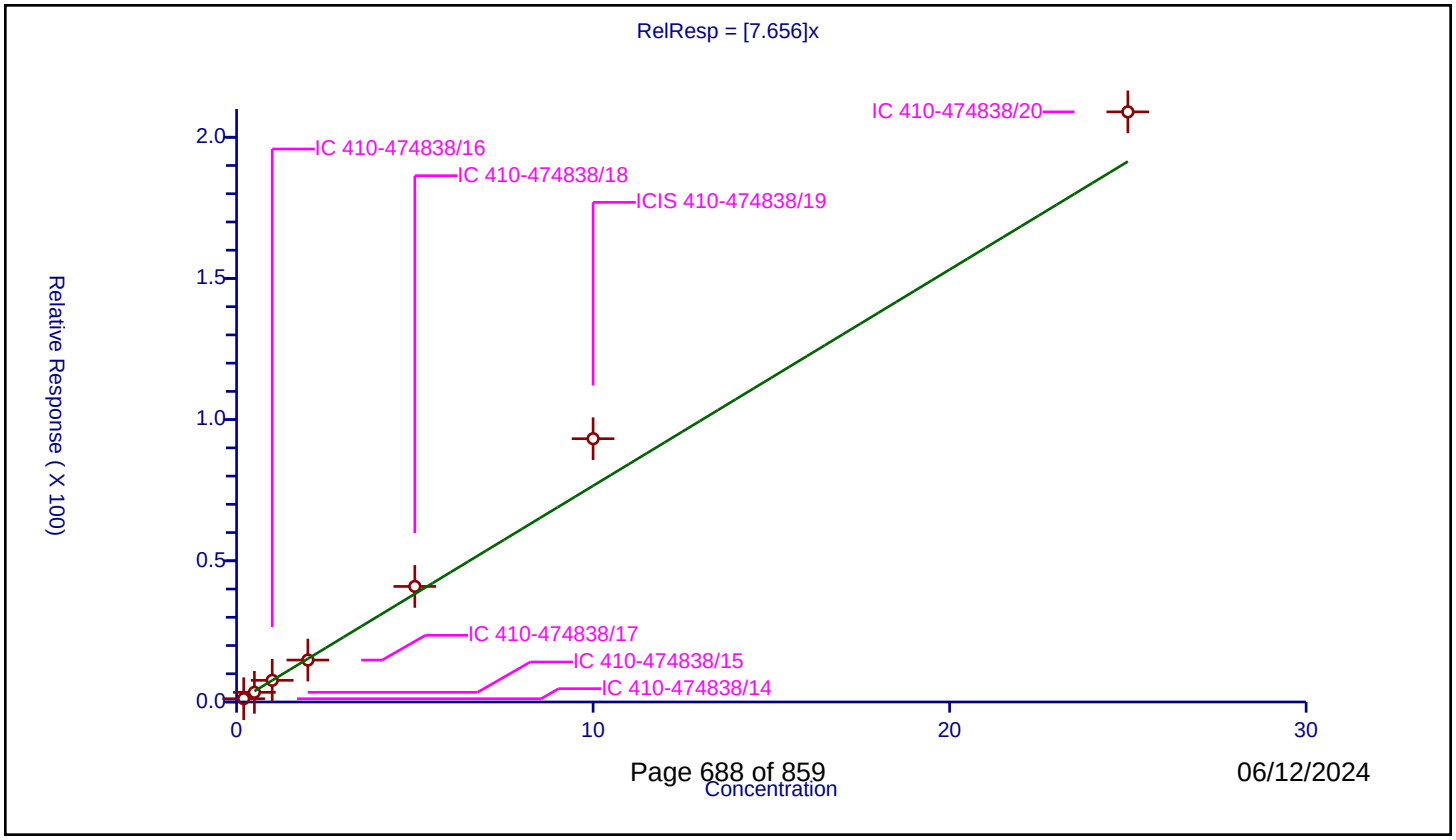
Curve Coefficients

Intercept:	0
Slope:	7.656

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	1.157942	50.0	125913.0	5.789712	Y
2	IC 410-474838/15	0.5	3.422005	50.0	129354.0	6.844009	Y
3	IC 410-474838/16	1.0	7.668543	50.0	143717.0	7.668543	Y
4	IC 410-474838/17	2.0	14.845899	50.0	153049.0	7.42295	Y
5	IC 410-474838/18	5.0	40.928721	50.0	157227.0	8.185744	Y
6	ICIS 410-474838/19	10.0	93.243213	50.0	136115.0	9.324321	Y
7	IC 410-474838/20	25.0	208.986815	50.0	154799.0	8.359473	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

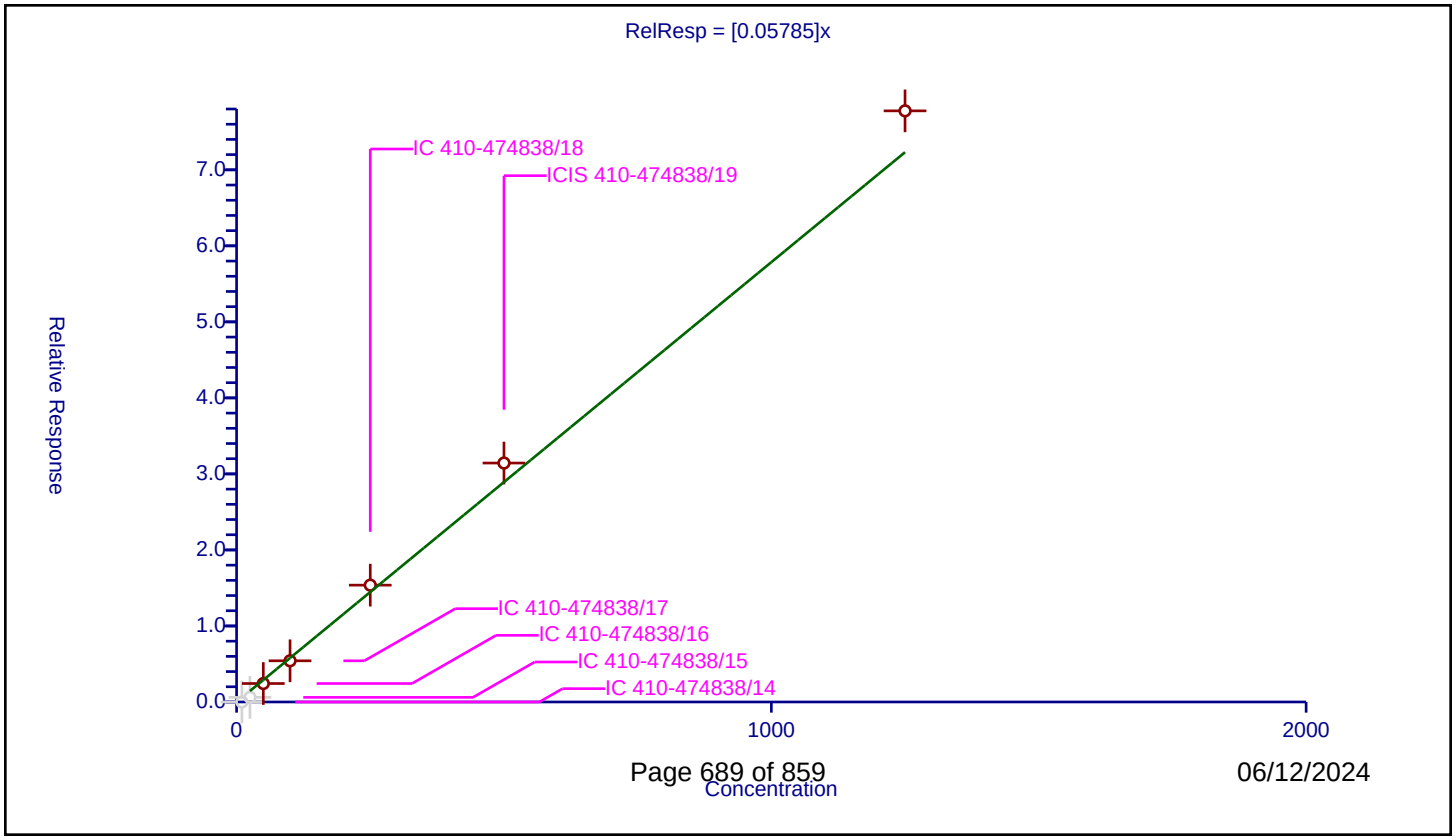
Curve Coefficients

Intercept:	0
Slope:	0.05785

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	10.0	0.0	50.0	125913.0	0.0	N
2	IC 410-474838/15	25.0	0.608408	50.0	129354.0	0.024336	N
3	IC 410-474838/16	50.0	2.427688	50.0	143717.0	0.048554	Y
4	IC 410-474838/17	100.0	5.416566	50.0	153049.0	0.054166	Y
5	IC 410-474838/18	250.0	15.370134	50.0	157227.0	0.061481	Y
6	ICIS 410-474838/19	500.0	31.432245	50.0	136115.0	0.062864	Y
7	IC 410-474838/20	1250.0	77.759546	50.0	154799.0	0.062208	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

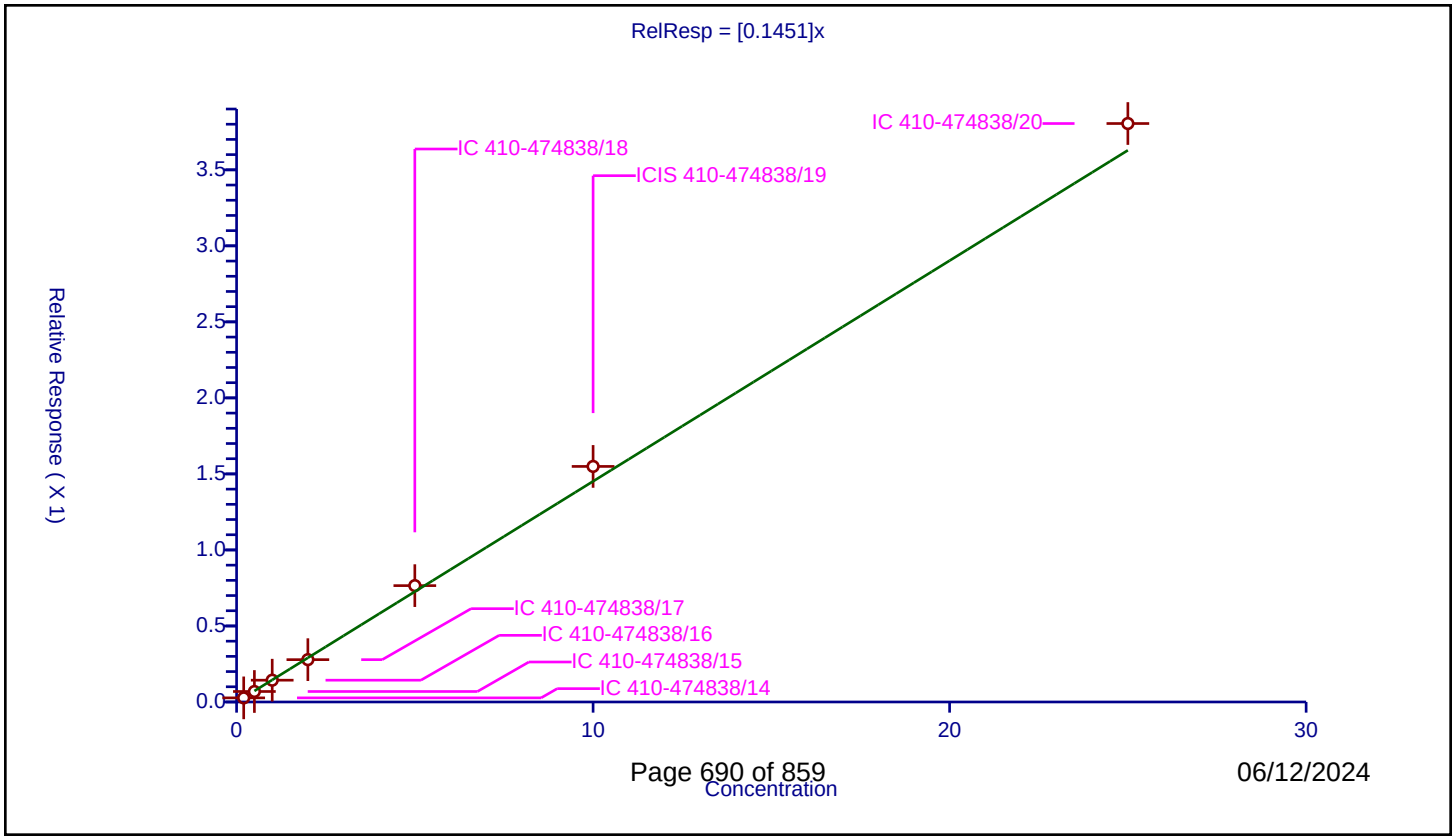
Curve Coefficients

Intercept:	0
Slope:	0.1451

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.027032	10.0	1560735.0	0.135161	Y
2	IC 410-474838/15	0.5	0.069034	10.0	1564746.0	0.138067	Y
3	IC 410-474838/16	1.0	0.143343	10.0	1504988.0	0.143343	Y
4	IC 410-474838/17	2.0	0.278465	10.0	1566550.0	0.139233	Y
5	IC 410-474838/18	5.0	0.765243	10.0	1563464.0	0.153049	Y
6	ICIS 410-474838/19	10.0	1.549323	10.0	1568285.0	0.154932	Y
7	IC 410-474838/20	25.0	3.804672	10.0	1570929.0	0.152187	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

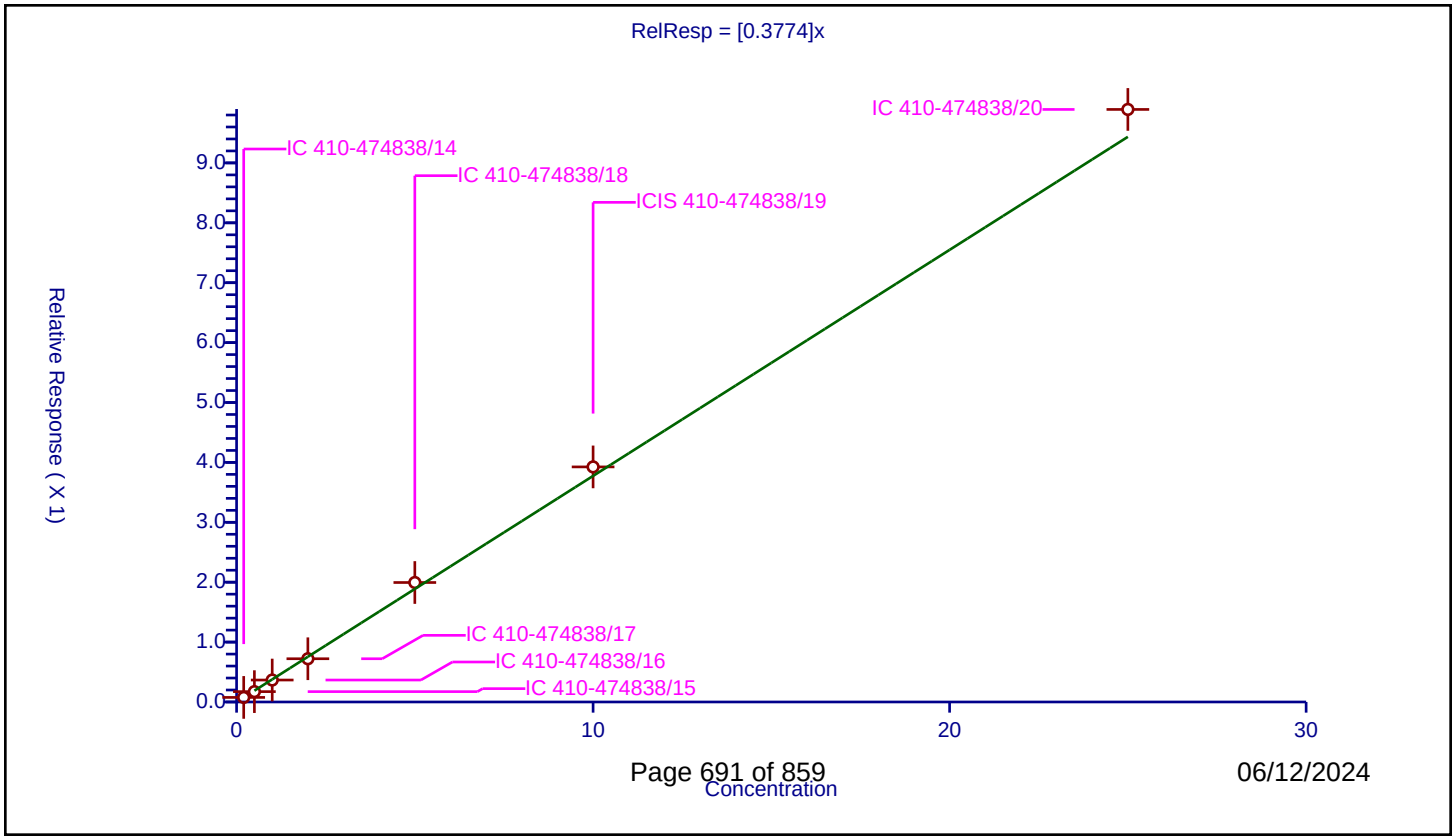
Curve Coefficients

Intercept:	0
Slope:	0.3774

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.076291	10.0	1560735.0	0.381455	Y
2	IC 410-474838/15	0.5	0.173012	10.0	1564746.0	0.346024	Y
3	IC 410-474838/16	1.0	0.366468	10.0	1504988.0	0.366468	Y
4	IC 410-474838/17	2.0	0.721777	10.0	1566550.0	0.360889	Y
5	IC 410-474838/18	5.0	1.994661	10.0	1563464.0	0.398932	Y
6	ICIS 410-474838/19	10.0	3.924905	10.0	1568285.0	0.392491	Y
7	IC 410-474838/20	25.0	9.892993	10.0	1570929.0	0.39572	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

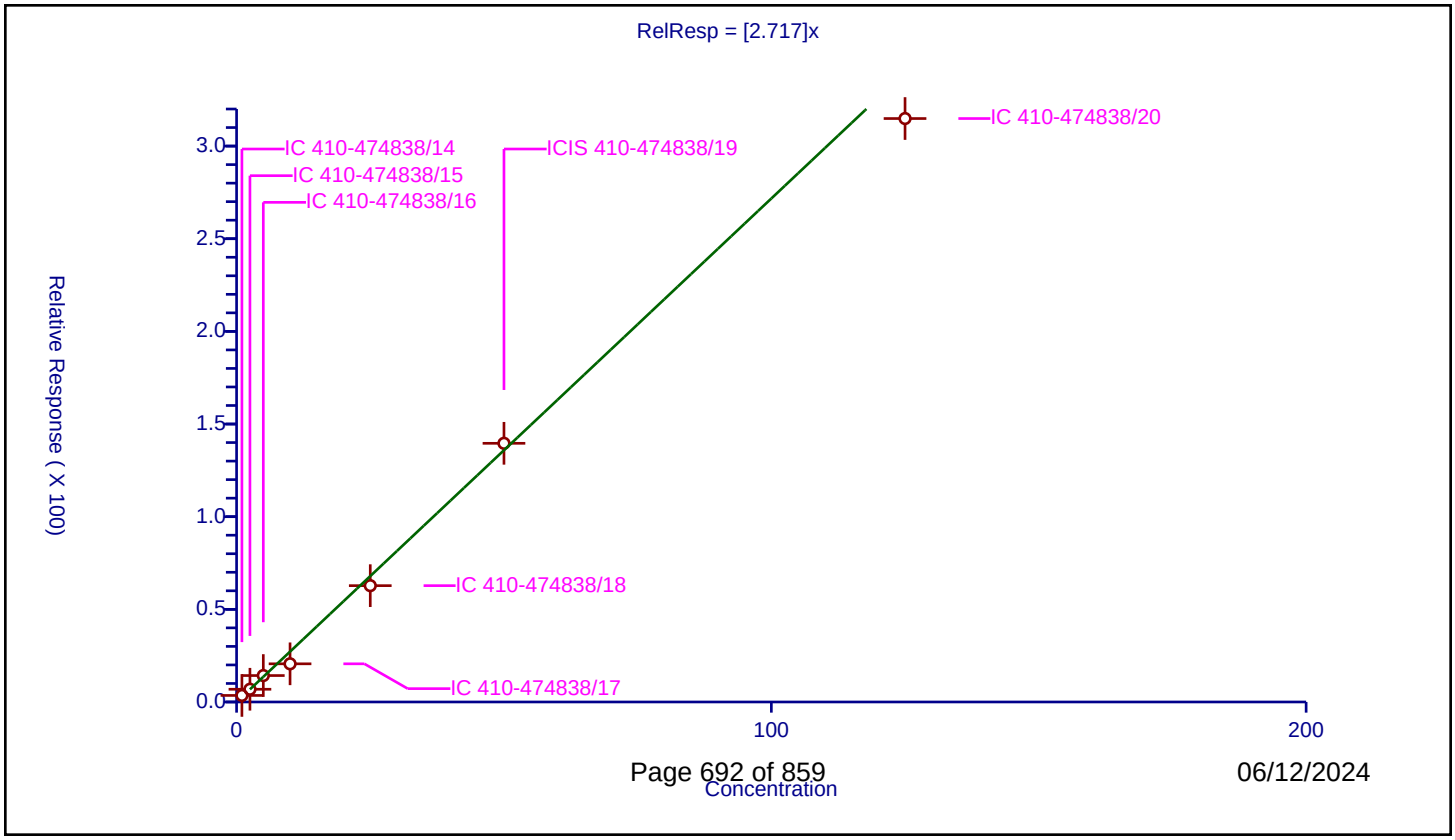
Curve Coefficients

Intercept:	0
Slope:	2.717

Error Coefficients

Relative Standard Deviation:	16.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	1.0	3.534583	50.0	125913.0	3.534583	Y
2	IC 410-474838/15	2.5	6.875705	50.0	129354.0	2.750282	Y
3	IC 410-474838/16	5.0	14.265884	50.0	143717.0	2.853177	Y
4	IC 410-474838/17	10.0	20.601899	50.0	153049.0	2.06019	Y
5	IC 410-474838/18	25.0	62.777386	50.0	157227.0	2.511095	Y
6	ICIS 410-474838/19	50.0	139.595195	50.0	136115.0	2.791904	Y
7	IC 410-474838/20	125.0	314.862176	50.0	154799.0	2.518897	Y



Calibration / 1-Bromo-2-chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

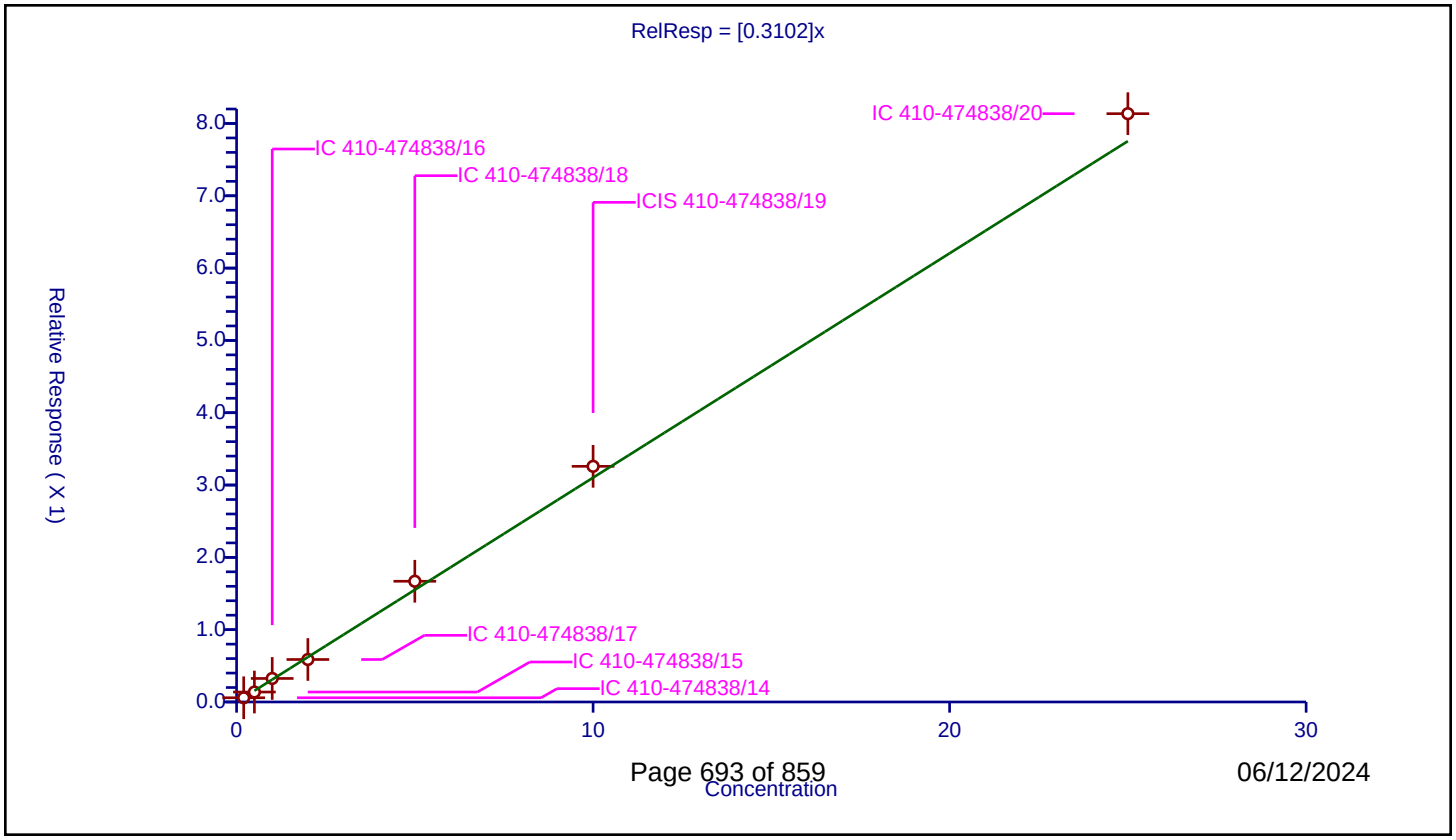
Curve Coefficients

Intercept:	0
Slope:	0.3102

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.058319	10.0	1560735.0	0.291593	Y
2	IC 410-474838/15	0.5	0.137709	10.0	1564746.0	0.275419	Y
3	IC 410-474838/16	1.0	0.325524	10.0	1504988.0	0.325524	Y
4	IC 410-474838/17	2.0	0.587635	10.0	1566550.0	0.293818	Y
5	IC 410-474838/18	5.0	1.669664	10.0	1563464.0	0.333933	Y
6	ICIS 410-474838/19	10.0	3.258853	10.0	1568285.0	0.325885	Y
7	IC 410-474838/20	25.0	8.13553	10.0	1570929.0	0.325421	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

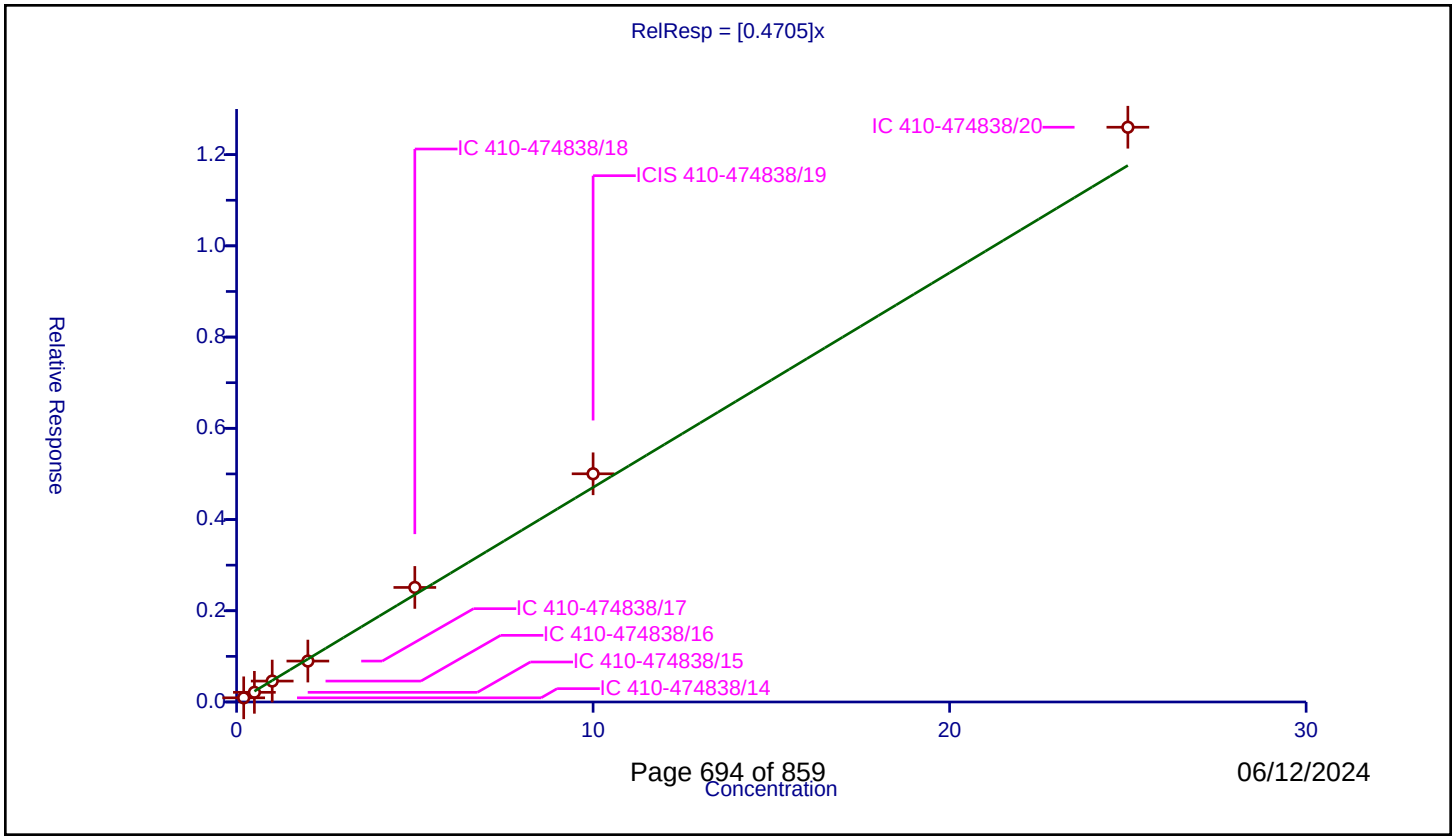
Curve Coefficients

Intercept:	0
Slope:	0.4705

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.091207	10.0	1560735.0	0.456035	Y
2	IC 410-474838/15	0.5	0.211683	10.0	1564746.0	0.423366	Y
3	IC 410-474838/16	1.0	0.458861	10.0	1504988.0	0.458861	Y
4	IC 410-474838/17	2.0	0.897309	10.0	1566550.0	0.448655	Y
5	IC 410-474838/18	5.0	2.511353	10.0	1563464.0	0.502271	Y
6	ICIS 410-474838/19	10.0	5.003096	10.0	1568285.0	0.50031	Y
7	IC 410-474838/20	25.0	12.600404	10.0	1570929.0	0.504016	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

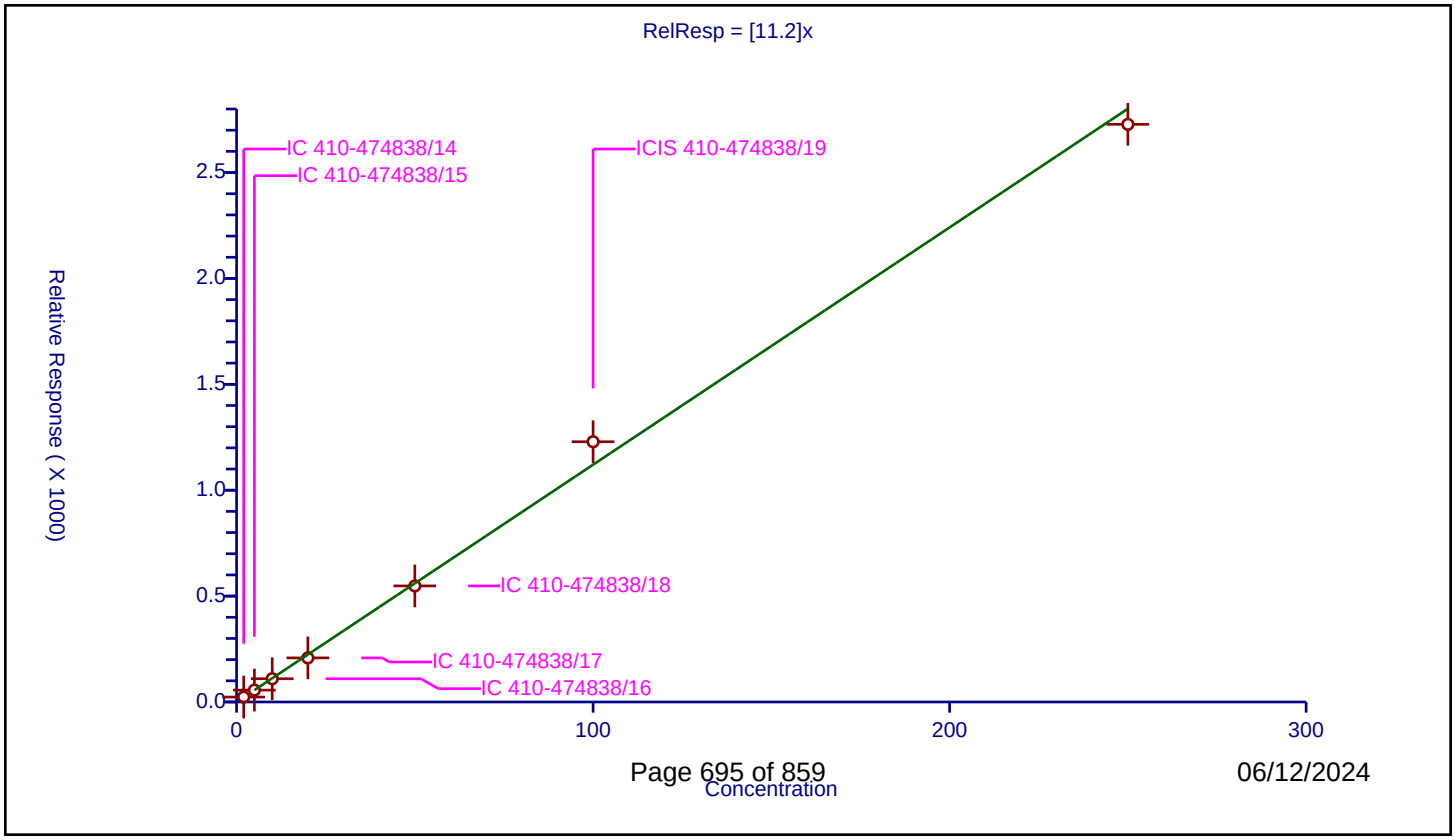
Curve Coefficients

Intercept:	0
Slope:	11.2

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	2.0	23.312922	50.0	125913.0	11.656461	Y
2	IC 410-474838/15	5.0	56.15095	50.0	129354.0	11.23019	Y
3	IC 410-474838/16	10.0	109.747281	50.0	143717.0	10.974728	Y
4	IC 410-474838/17	20.0	208.1781	50.0	153049.0	10.408905	Y
5	IC 410-474838/18	50.0	548.06331	50.0	157227.0	10.961266	Y
6	ICIS 410-474838/19	100.0	1228.965581	50.0	136115.0	12.289656	Y
7	IC 410-474838/20	250.0	2727.596109	50.0	154799.0	10.910384	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

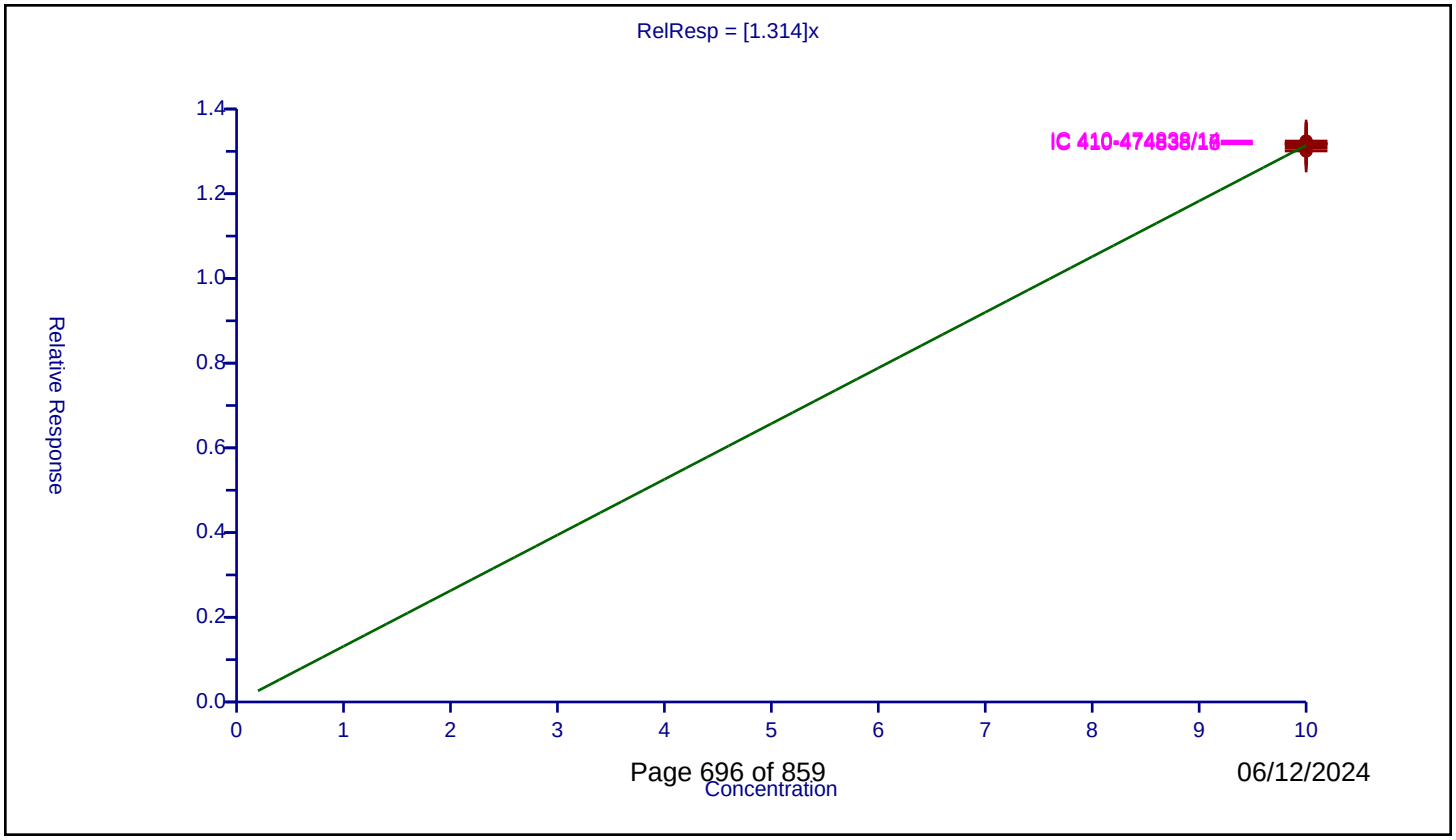
Curve Coefficients

Intercept:	0
Slope:	1.314

Error Coefficients

Relative Standard Deviation:	0.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	10.0	13.244609	10.0	1166455.0	1.324461	Y
2	IC 410-474838/15	10.0	13.126909	10.0	1173846.0	1.312691	Y
3	IC 410-474838/16	10.0	13.183315	10.0	1126973.0	1.318331	Y
4	IC 410-474838/17	10.0	13.184159	10.0	1182736.0	1.318416	Y
5	IC 410-474838/18	10.0	13.177832	10.0	1192489.0	1.317783	Y
6	ICIS 410-474838/19	10.0	13.009072	10.0	1203165.0	1.300907	Y
7	IC 410-474838/20	10.0	13.072232	10.0	1210911.0	1.307223	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

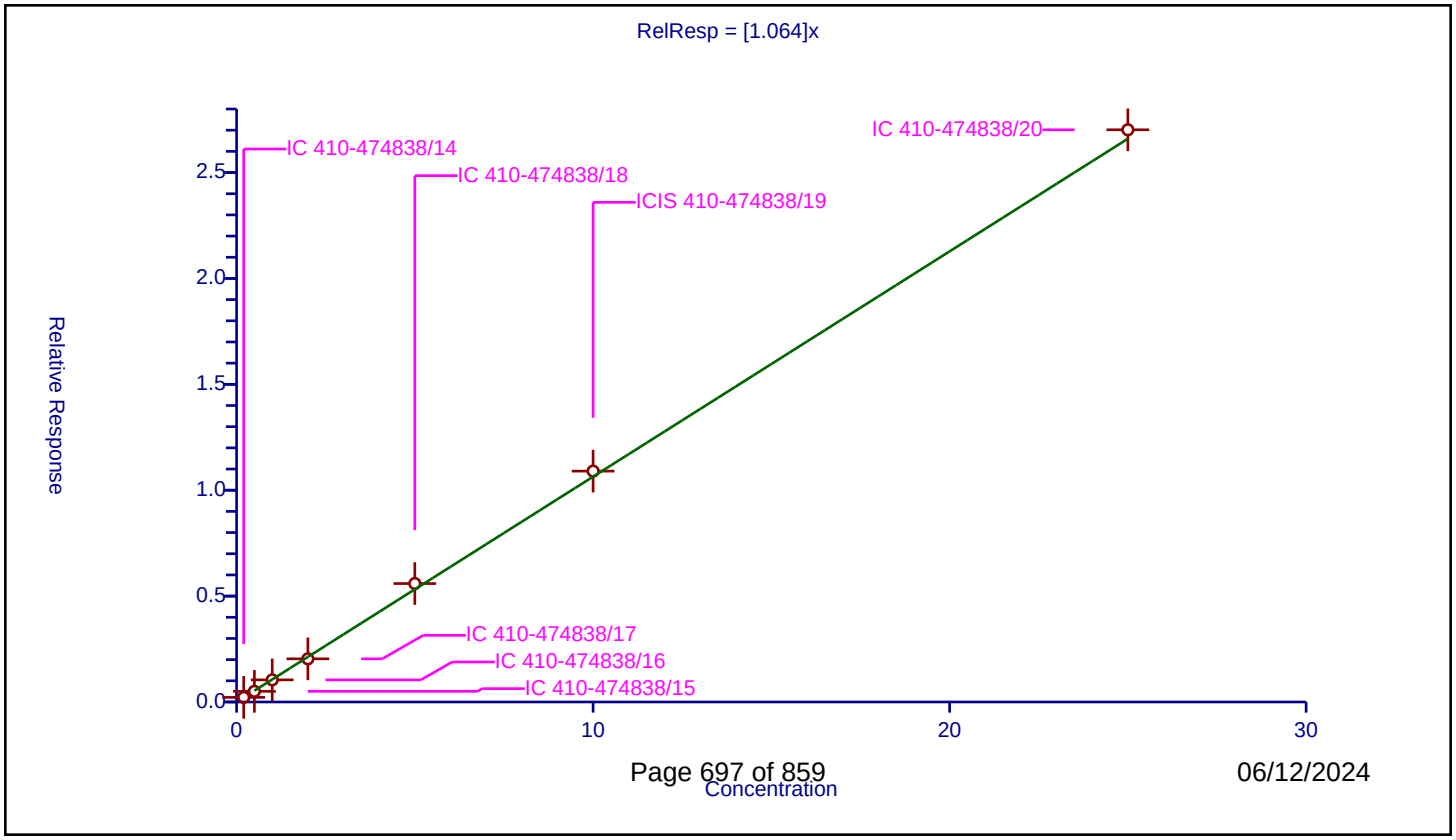
Curve Coefficients

Intercept:	0
Slope:	1.064

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.217574	10.0	1166455.0	1.087869	Y
2	IC 410-474838/15	0.5	0.50326	10.0	1173846.0	1.00652	Y
3	IC 410-474838/16	1.0	1.044187	10.0	1126973.0	1.044187	Y
4	IC 410-474838/17	2.0	2.037986	10.0	1182736.0	1.018993	Y
5	IC 410-474838/18	5.0	5.593108	10.0	1192489.0	1.118622	Y
6	ICIS 410-474838/19	10.0	10.90158	10.0	1203165.0	1.090158	Y
7	IC 410-474838/20	25.0	27.019492	10.0	1210911.0	1.08078	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

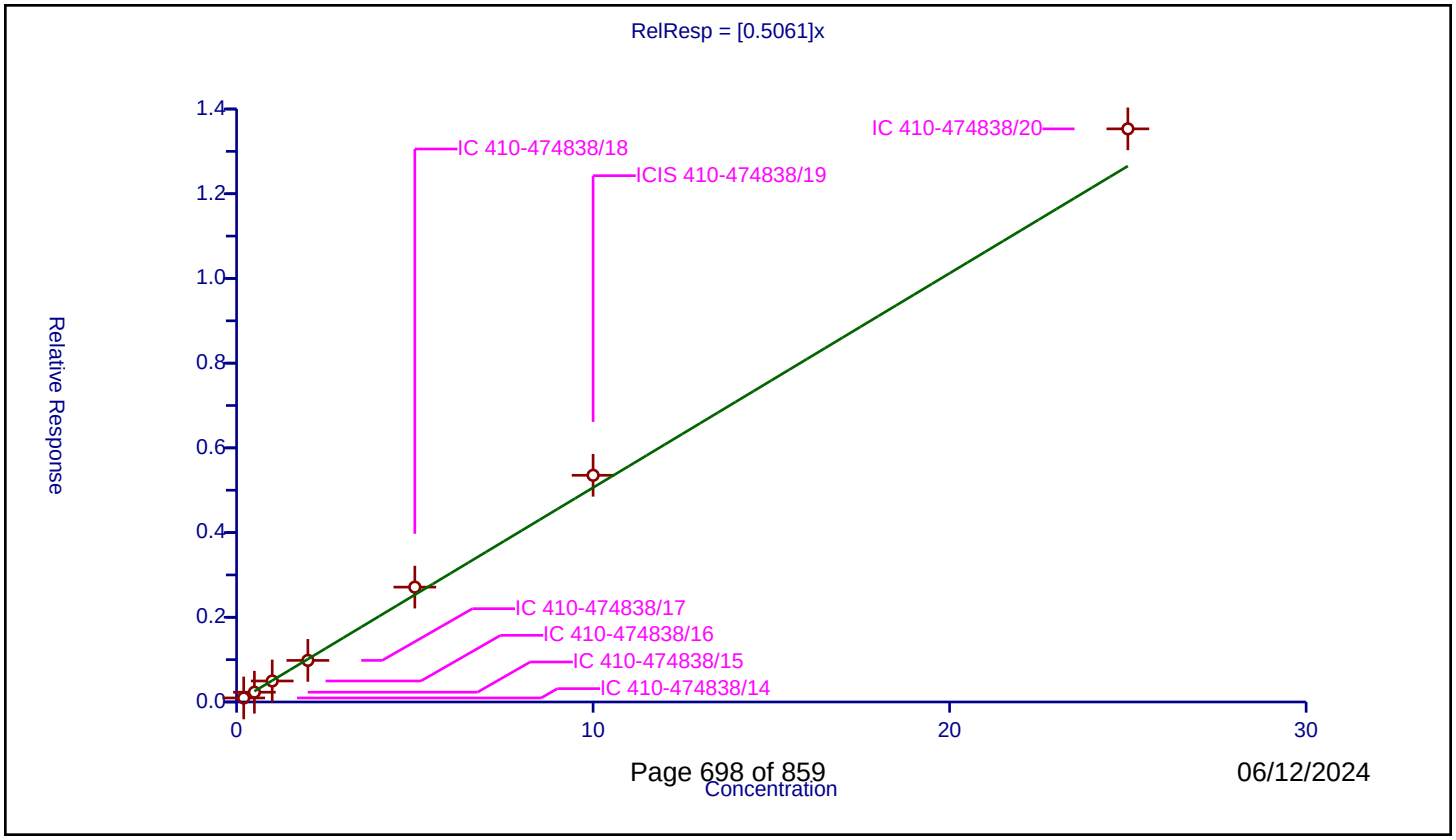
Curve Coefficients

Intercept:	0
Slope:	0.5061

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.0951	10.0	1166455.0	0.475501	Y
2	IC 410-474838/15	0.5	0.230925	10.0	1173846.0	0.461849	Y
3	IC 410-474838/16	1.0	0.495762	10.0	1126973.0	0.495762	Y
4	IC 410-474838/17	2.0	0.981859	10.0	1182736.0	0.49093	Y
5	IC 410-474838/18	5.0	2.711664	10.0	1192489.0	0.542333	Y
6	ICIS 410-474838/19	10.0	5.352375	10.0	1203165.0	0.535237	Y
7	IC 410-474838/20	25.0	13.531886	10.0	1210911.0	0.541275	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

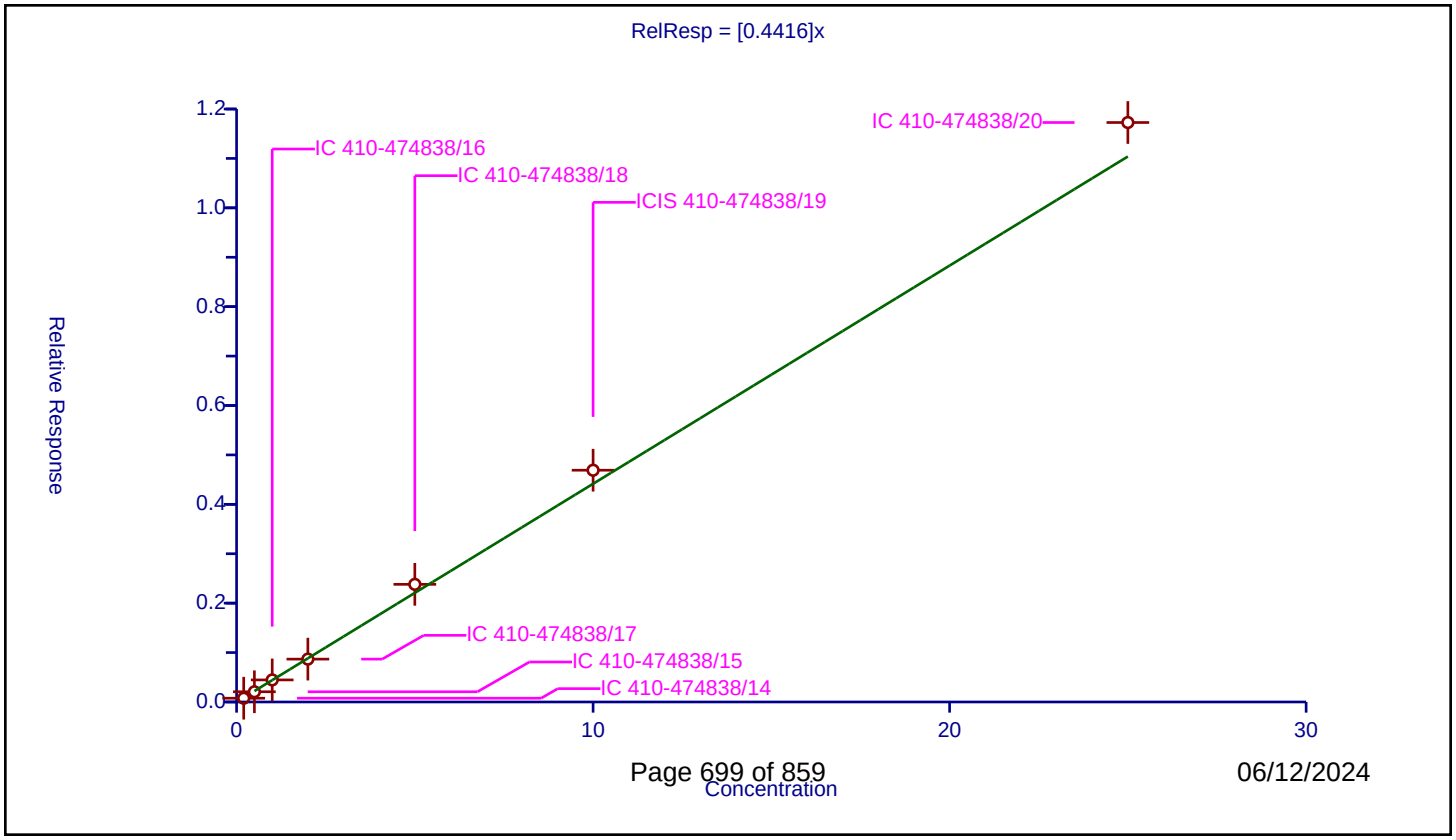
Curve Coefficients

Intercept:	0
Slope:	0.4416

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.076514	10.0	1166455.0	0.382569	Y
2	IC 410-474838/15	0.5	0.20679	10.0	1173846.0	0.413581	Y
3	IC 410-474838/16	1.0	0.446808	10.0	1126973.0	0.446808	Y
4	IC 410-474838/17	2.0	0.867379	10.0	1182736.0	0.433689	Y
5	IC 410-474838/18	5.0	2.380743	10.0	1192489.0	0.476149	Y
6	ICIS 410-474838/19	10.0	4.690371	10.0	1203165.0	0.469037	Y
7	IC 410-474838/20	25.0	11.726857	10.0	1210911.0	0.469074	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

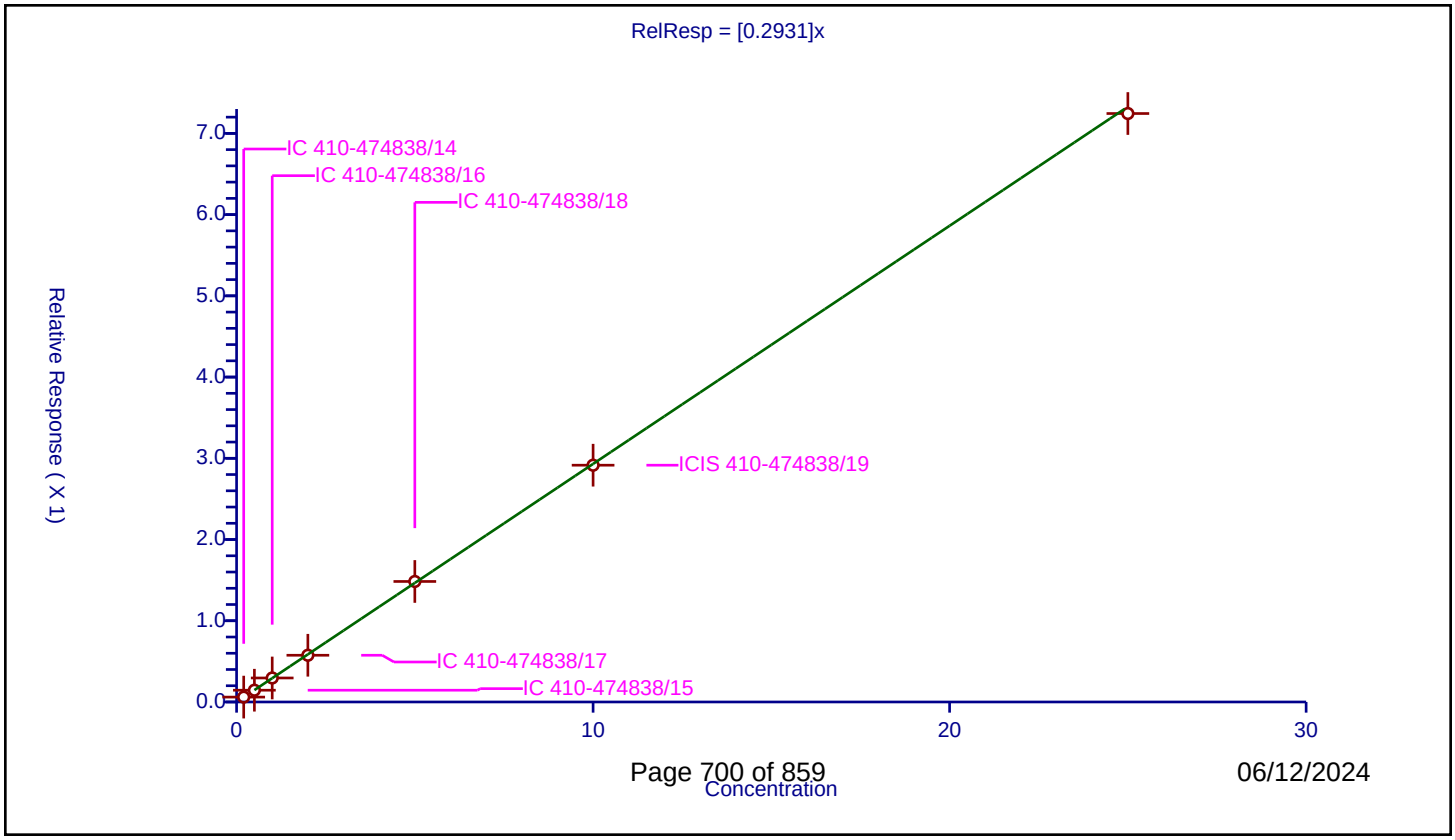
Curve Coefficients

Intercept:	0
Slope:	0.2931

Error Coefficients

Relative Standard Deviation:	1.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.060131	10.0	1166455.0	0.300655	Y
2	IC 410-474838/15	0.5	0.144968	10.0	1173846.0	0.289936	Y
3	IC 410-474838/16	1.0	0.295597	10.0	1126973.0	0.295597	Y
4	IC 410-474838/17	2.0	0.575285	10.0	1182736.0	0.287642	Y
5	IC 410-474838/18	5.0	1.483771	10.0	1192489.0	0.296754	Y
6	ICIS 410-474838/19	10.0	2.914937	10.0	1203165.0	0.291494	Y
7	IC 410-474838/20	25.0	7.244513	10.0	1210911.0	0.289781	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

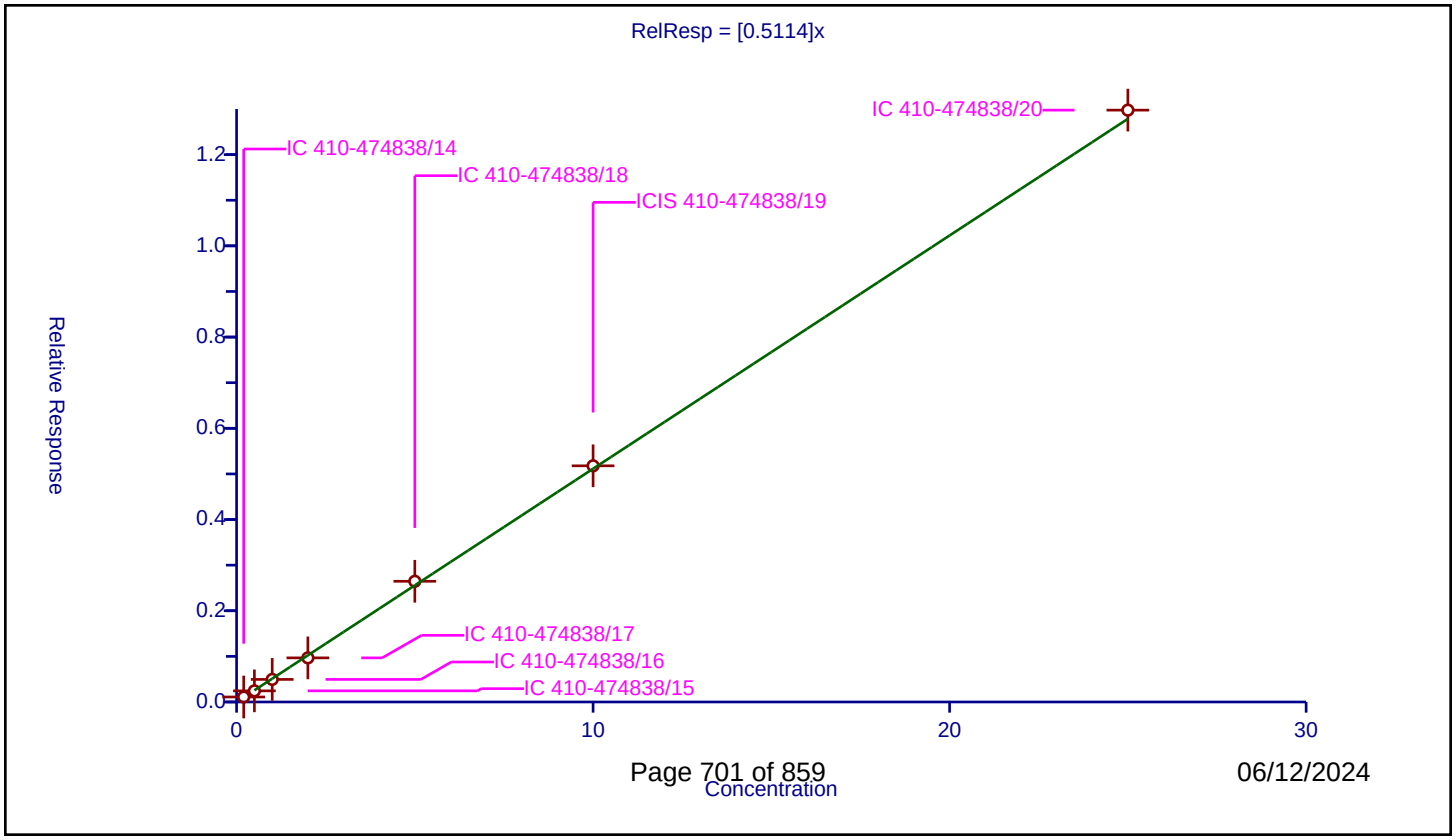
Curve Coefficients

Intercept:	0
Slope:	0.5114

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.109323	10.0	1166455.0	0.546613	Y
2	IC 410-474838/15	0.5	0.244087	10.0	1173846.0	0.488173	Y
3	IC 410-474838/16	1.0	0.495167	10.0	1126973.0	0.495167	Y
4	IC 410-474838/17	2.0	0.967223	10.0	1182736.0	0.483612	Y
5	IC 410-474838/18	5.0	2.64633	10.0	1192489.0	0.529266	Y
6	ICIS 410-474838/19	10.0	5.177702	10.0	1203165.0	0.51777	Y
7	IC 410-474838/20	25.0	12.975413	10.0	1210911.0	0.519017	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

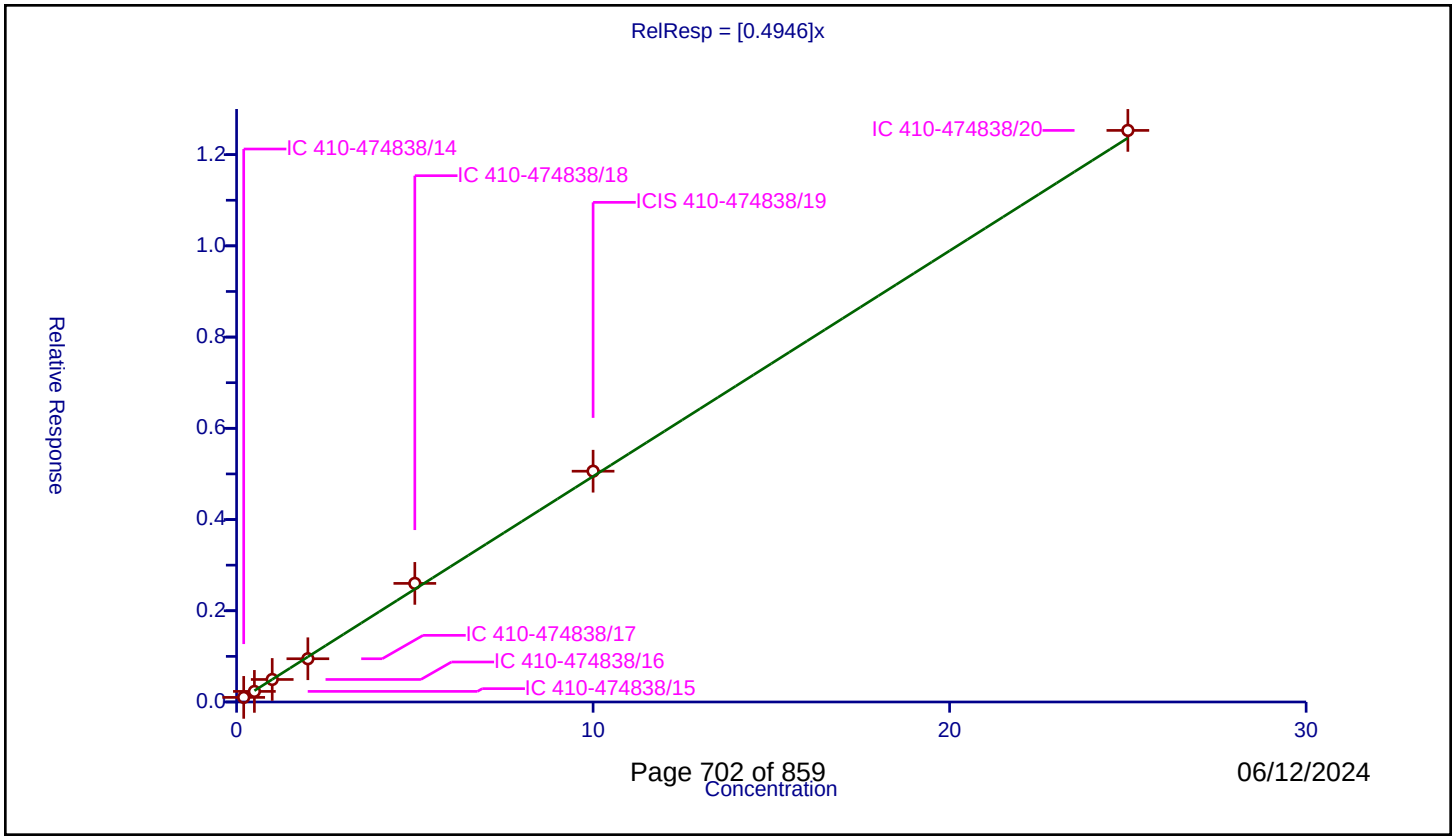
Curve Coefficients

Intercept:	0
Slope:	0.4946

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.100638	10.0	1166455.0	0.503191	Y
2	IC 410-474838/15	0.5	0.232092	10.0	1173846.0	0.464184	Y
3	IC 410-474838/16	1.0	0.493632	10.0	1126973.0	0.493632	Y
4	IC 410-474838/17	2.0	0.947946	10.0	1182736.0	0.473973	Y
5	IC 410-474838/18	5.0	2.600259	10.0	1192489.0	0.520052	Y
6	ICIS 410-474838/19	10.0	5.059713	10.0	1203165.0	0.505971	Y
7	IC 410-474838/20	25.0	12.530987	10.0	1210911.0	0.501239	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

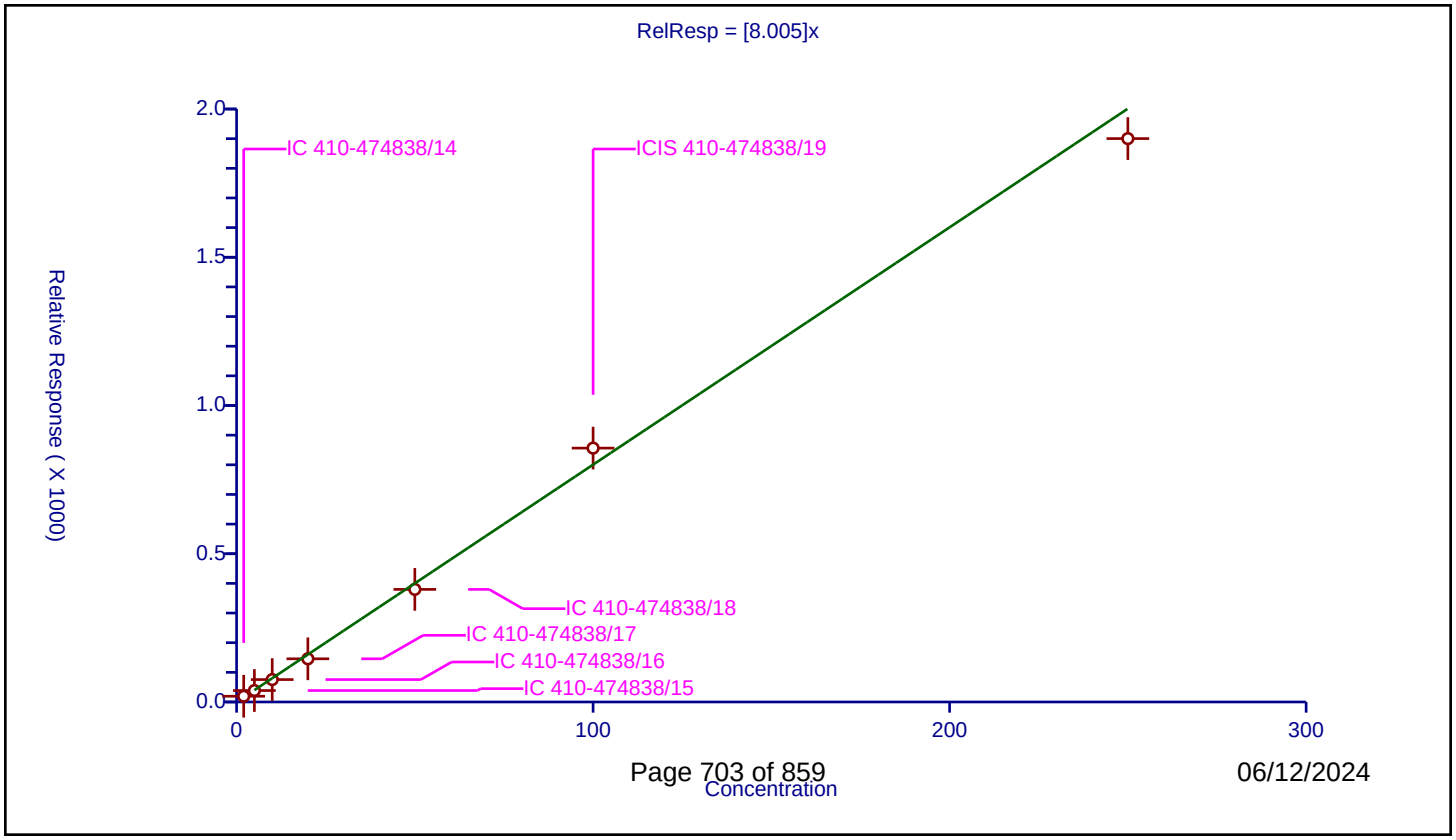
Curve Coefficients

Intercept:	0
Slope:	8.005

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	2.0	19.420949	50.0	125913.0	9.710475	Y
2	IC 410-474838/15	5.0	38.61651	50.0	129354.0	7.723302	Y
3	IC 410-474838/16	10.0	75.567956	50.0	143717.0	7.556796	Y
4	IC 410-474838/17	20.0	145.687002	50.0	153049.0	7.28435	Y
5	IC 410-474838/18	50.0	379.779554	50.0	157227.0	7.595591	Y
6	ICIS 410-474838/19	100.0	856.25427	50.0	136115.0	8.562543	Y
7	IC 410-474838/20	250.0	1900.20995	50.0	154799.0	7.60084	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

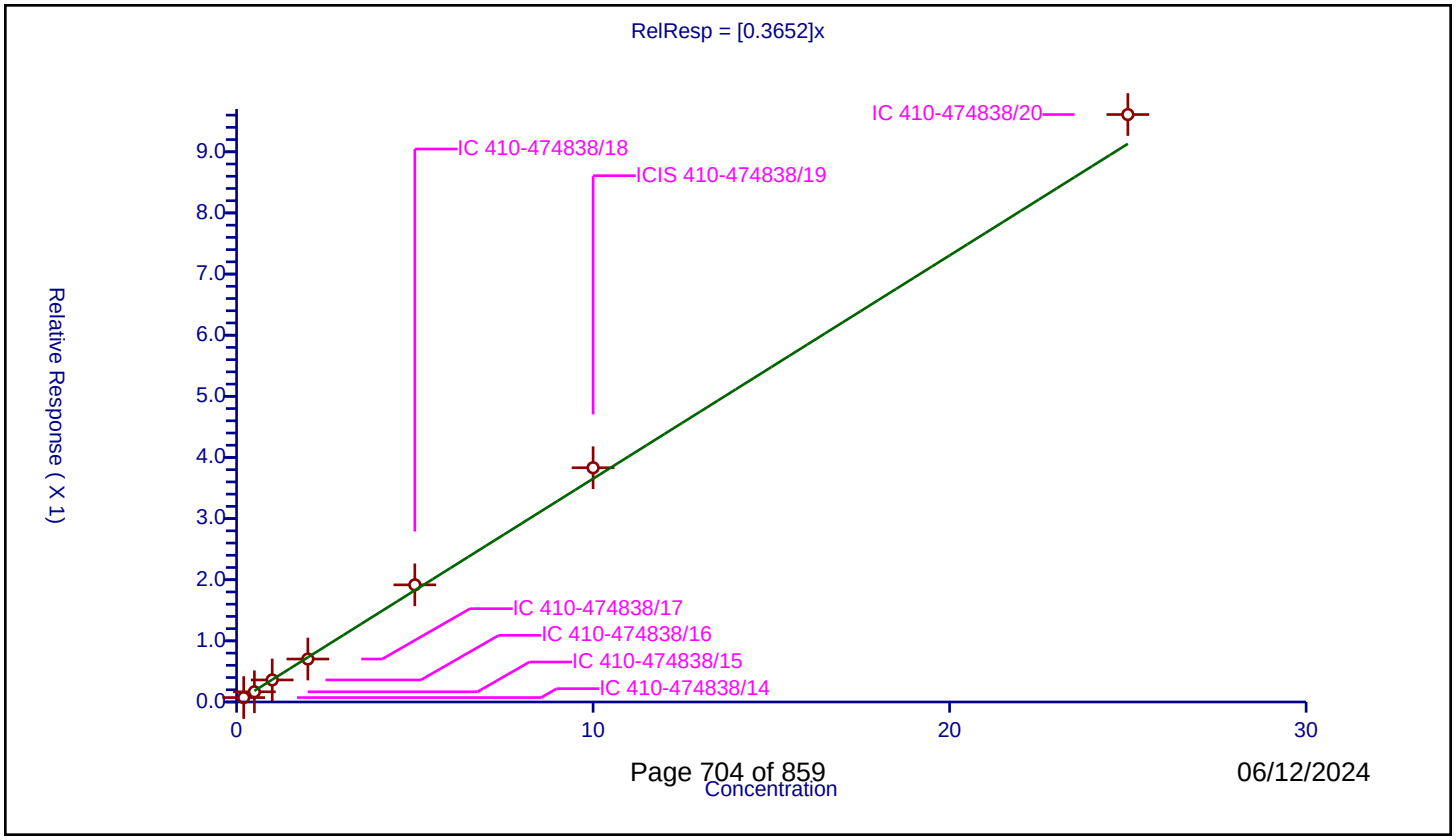
Curve Coefficients

Intercept:	0
Slope:	0.3652

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.072047	10.0	1166455.0	0.360237	Y
2	IC 410-474838/15	0.5	0.166828	10.0	1173846.0	0.333655	Y
3	IC 410-474838/16	1.0	0.360674	10.0	1126973.0	0.360674	Y
4	IC 410-474838/17	2.0	0.702743	10.0	1182736.0	0.351372	Y
5	IC 410-474838/18	5.0	1.916102	10.0	1192489.0	0.38322	Y
6	ICIS 410-474838/19	10.0	3.831752	10.0	1203165.0	0.383175	Y
7	IC 410-474838/20	25.0	9.609682	10.0	1210911.0	0.384387	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

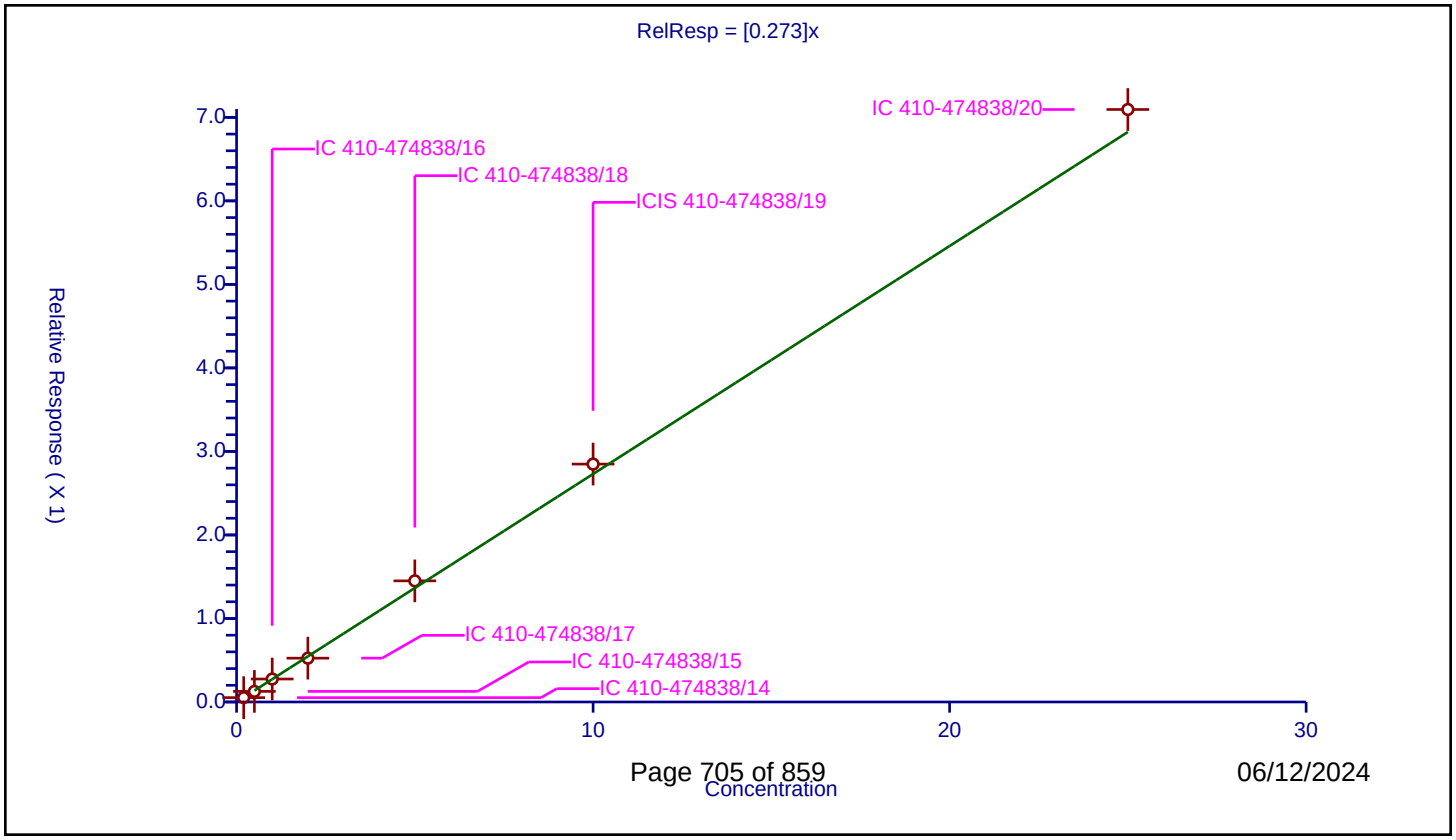
Curve Coefficients

Intercept:	0
Slope:	0.273

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.052209	10.0	1166455.0	0.261047	Y
2	IC 410-474838/15	0.5	0.126874	10.0	1173846.0	0.253747	Y
3	IC 410-474838/16	1.0	0.274984	10.0	1126973.0	0.274984	Y
4	IC 410-474838/17	2.0	0.524842	10.0	1182736.0	0.262421	Y
5	IC 410-474838/18	5.0	1.450328	10.0	1192489.0	0.290066	Y
6	ICIS 410-474838/19	10.0	2.848736	10.0	1203165.0	0.284874	Y
7	IC 410-474838/20	25.0	7.094097	10.0	1210911.0	0.283764	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

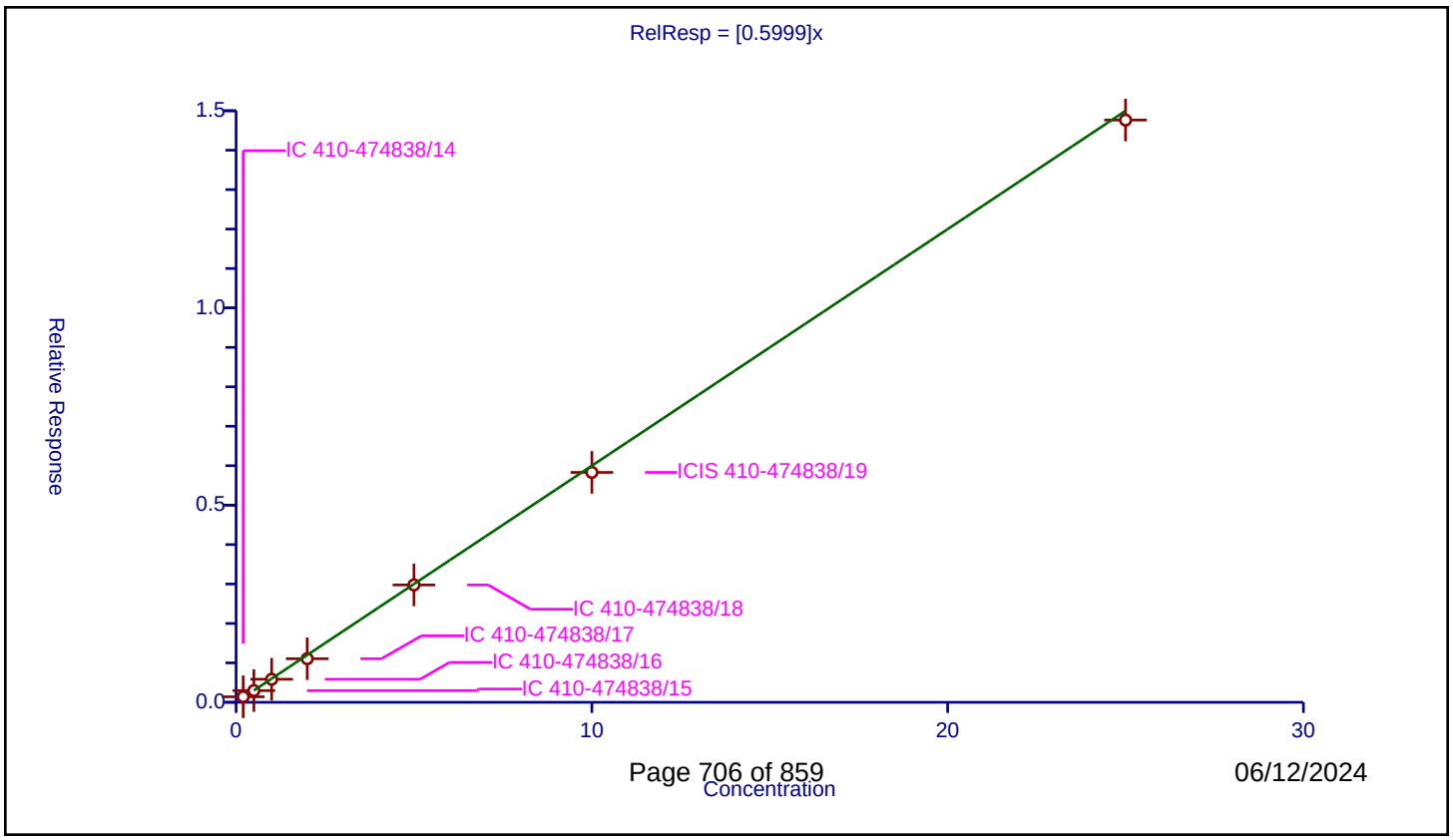
Curve Coefficients

Intercept:	0
Slope:	0.5999

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.139748	10.0	1166455.0	0.698741	Y
2	IC 410-474838/15	0.5	0.297168	10.0	1173846.0	0.594337	Y
3	IC 410-474838/16	1.0	0.584805	10.0	1126973.0	0.584805	Y
4	IC 410-474838/17	2.0	1.105006	10.0	1182736.0	0.552503	Y
5	IC 410-474838/18	5.0	2.976447	10.0	1192489.0	0.595289	Y
6	ICIS 410-474838/19	10.0	5.830264	10.0	1203165.0	0.583026	Y
7	IC 410-474838/20	25.0	14.763604	10.0	1210911.0	0.590544	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

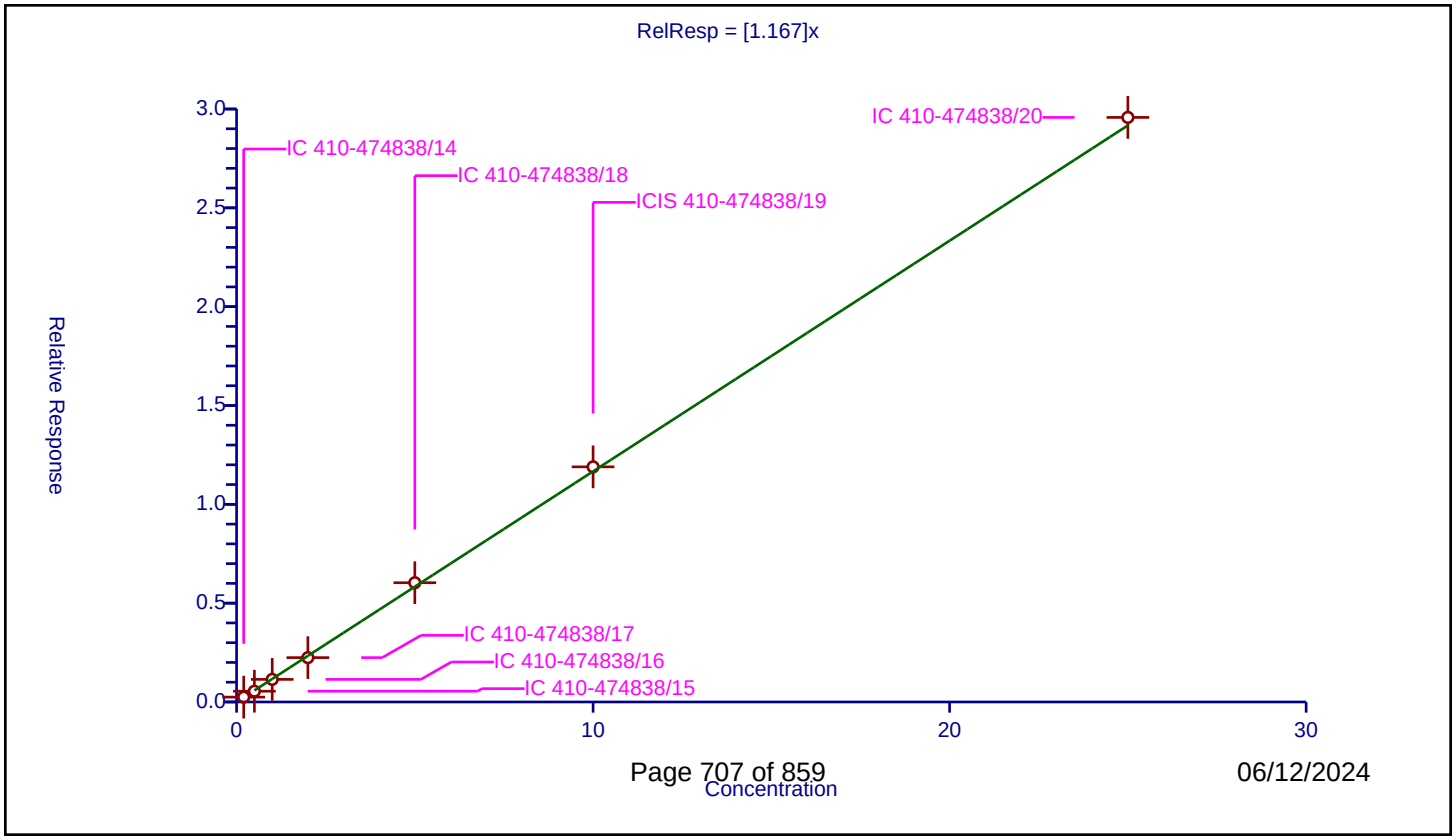
Curve Coefficients

Intercept:	0
Slope:	1.167

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.246336	10.0	1166455.0	1.231681	Y
2	IC 410-474838/15	0.5	0.545319	10.0	1173846.0	1.090637	Y
3	IC 410-474838/16	1.0	1.143825	10.0	1126973.0	1.143825	Y
4	IC 410-474838/17	2.0	2.244	10.0	1182736.0	1.122	Y
5	IC 410-474838/18	5.0	6.03458	10.0	1192489.0	1.206916	Y
6	ICIS 410-474838/19	10.0	11.895742	10.0	1203165.0	1.189574	Y
7	IC 410-474838/20	25.0	29.575675	10.0	1210911.0	1.183027	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

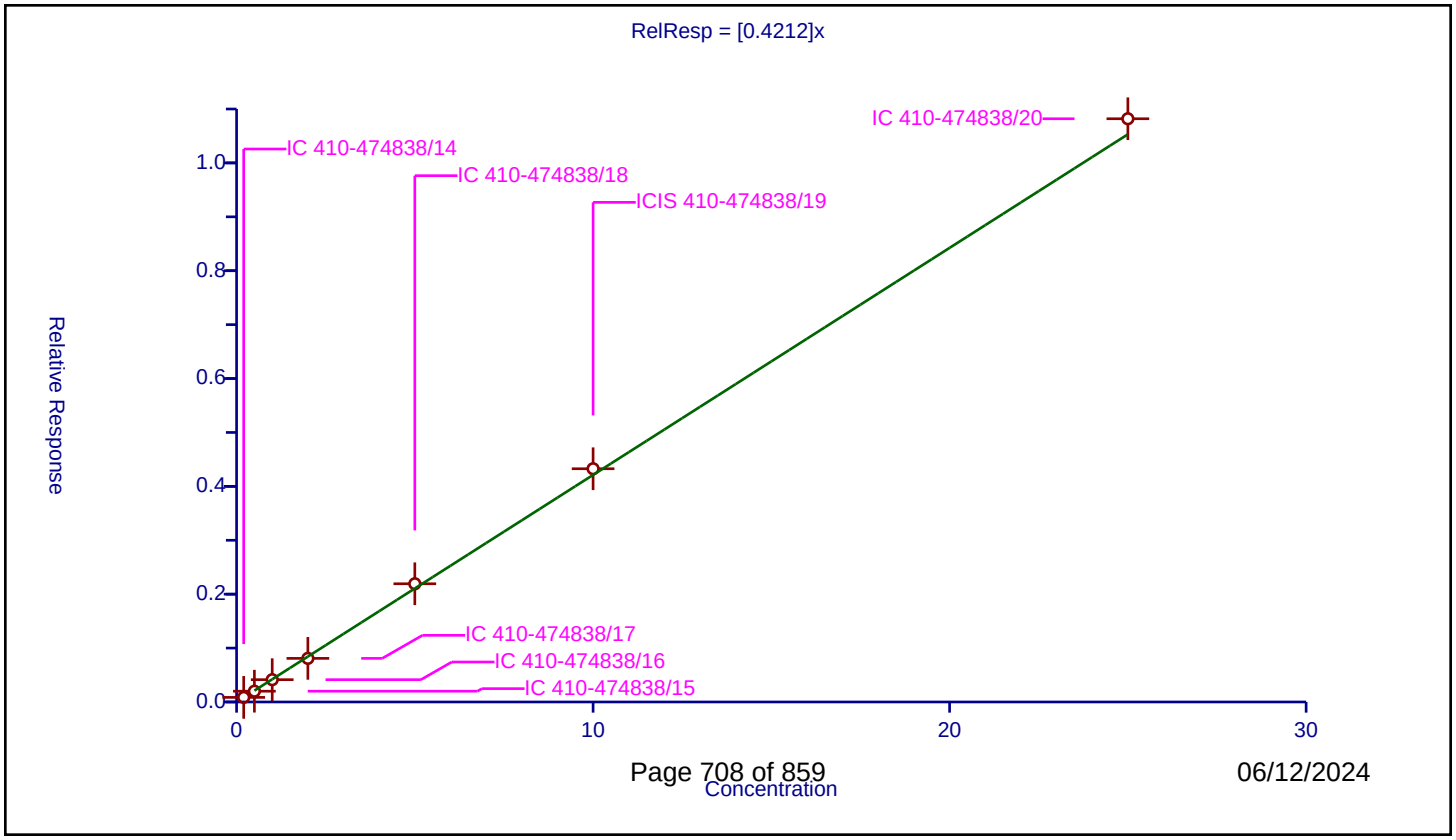
Curve Coefficients

Intercept:	0
Slope:	0.4212

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.085147	10.0	1166455.0	0.425734	Y
2	IC 410-474838/15	0.5	0.200307	10.0	1173846.0	0.400615	Y
3	IC 410-474838/16	1.0	0.413657	10.0	1126973.0	0.413657	Y
4	IC 410-474838/17	2.0	0.808853	10.0	1182736.0	0.404427	Y
5	IC 410-474838/18	5.0	2.192926	10.0	1192489.0	0.438585	Y
6	ICIS 410-474838/19	10.0	4.326838	10.0	1203165.0	0.432684	Y
7	IC 410-474838/20	25.0	10.819292	10.0	1210911.0	0.432772	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

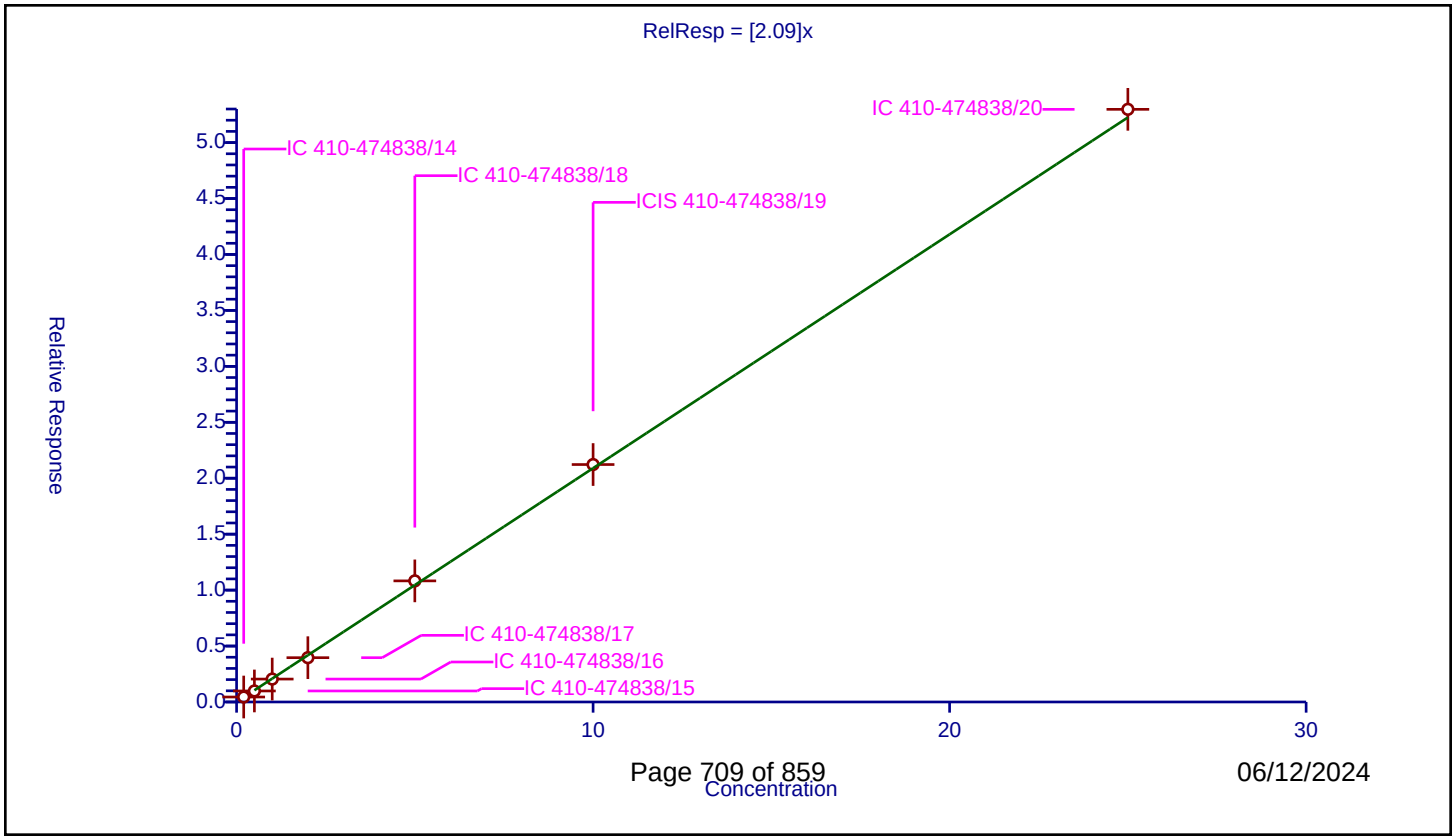
Curve Coefficients

Intercept:	0
Slope:	2.09

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.445032	10.0	1166455.0	2.225161	Y
2	IC 410-474838/15	0.5	0.985044	10.0	1173846.0	1.970088	Y
3	IC 410-474838/16	1.0	2.048381	10.0	1126973.0	2.048381	Y
4	IC 410-474838/17	2.0	3.959201	10.0	1182736.0	1.979601	Y
5	IC 410-474838/18	5.0	10.824477	10.0	1192489.0	2.164895	Y
6	ICIS 410-474838/19	10.0	21.223398	10.0	1203165.0	2.12234	Y
7	IC 410-474838/20	25.0	52.970317	10.0	1210911.0	2.118813	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

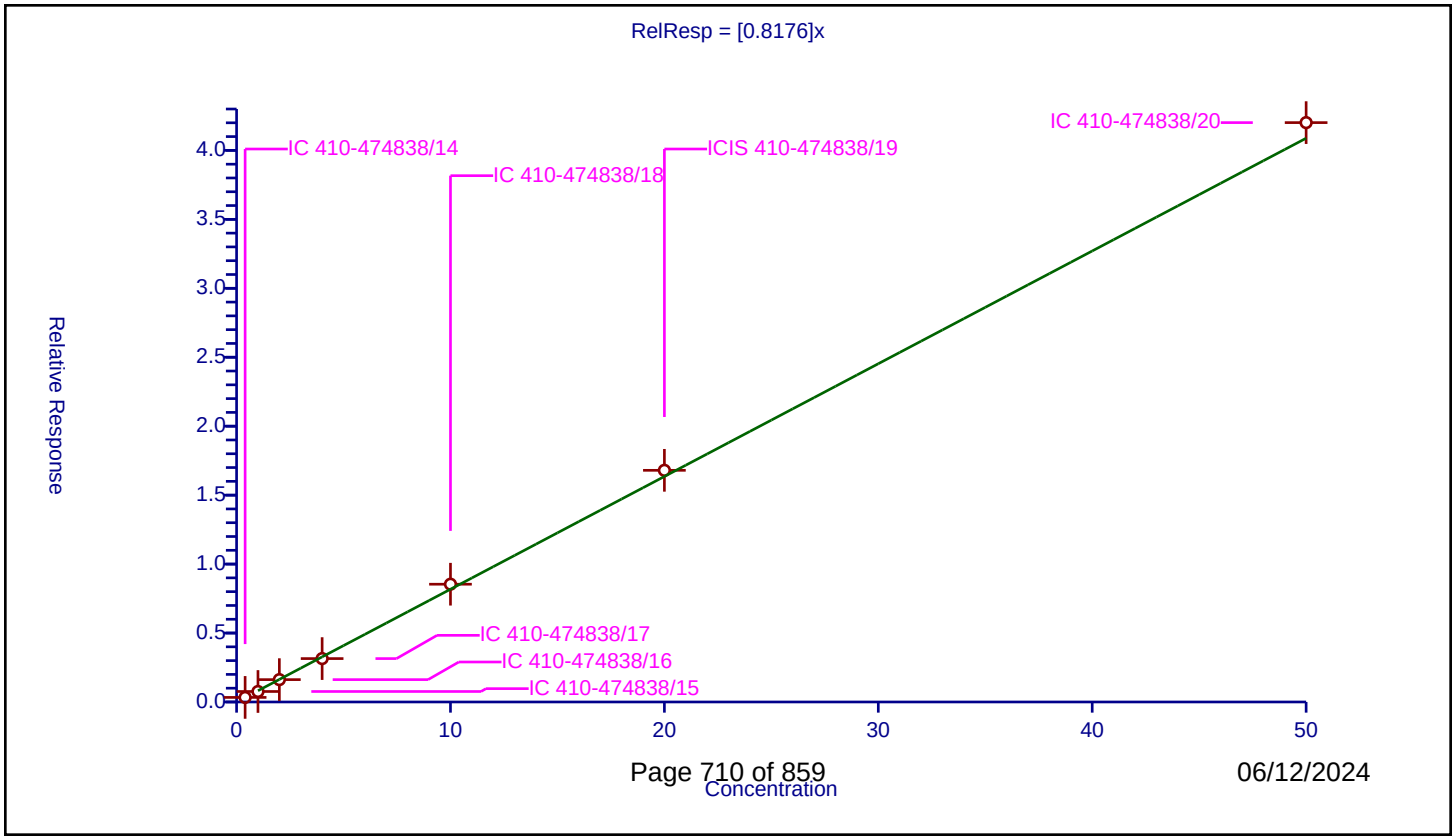
Curve Coefficients

Intercept:	0
Slope:	0.8176

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.4	0.332375	10.0	1166455.0	0.830936	Y
2	IC 410-474838/15	1.0	0.760952	10.0	1173846.0	0.760952	Y
3	IC 410-474838/16	2.0	1.620633	10.0	1126973.0	0.810317	Y
4	IC 410-474838/17	4.0	3.147355	10.0	1182736.0	0.786839	Y
5	IC 410-474838/18	10.0	8.540423	10.0	1192489.0	0.854042	Y
6	ICIS 410-474838/19	20.0	16.799383	10.0	1203165.0	0.839969	Y
7	IC 410-474838/20	50.0	42.014112	10.0	1210911.0	0.840282	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

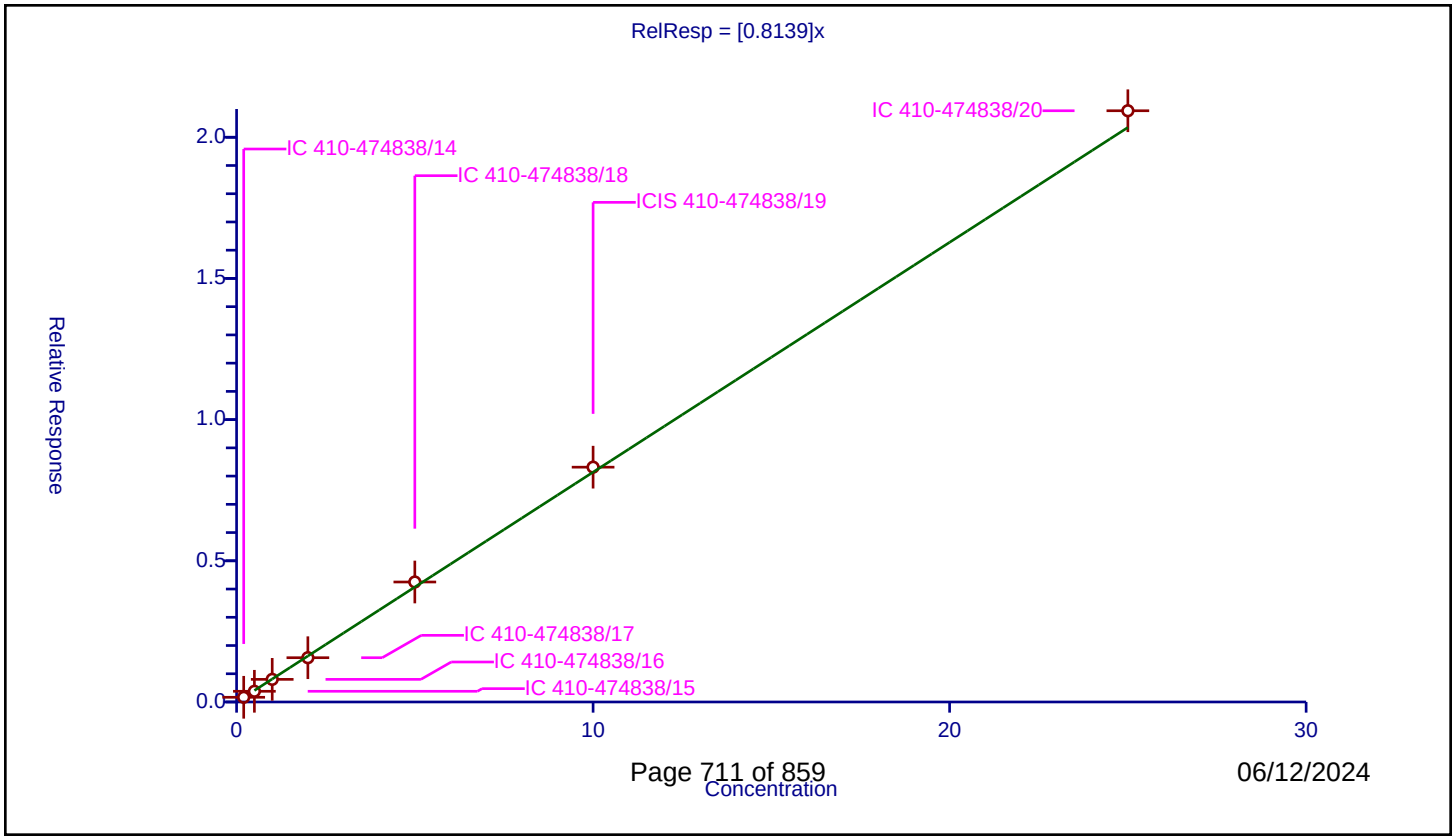
Curve Coefficients

Intercept:	0
Slope:	0.8139

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.16707	10.0	1166455.0	0.835352	Y
2	IC 410-474838/15	0.5	0.378772	10.0	1173846.0	0.757544	Y
3	IC 410-474838/16	1.0	0.801253	10.0	1126973.0	0.801253	Y
4	IC 410-474838/17	2.0	1.567958	10.0	1182736.0	0.783979	Y
5	IC 410-474838/18	5.0	4.249624	10.0	1192489.0	0.849925	Y
6	ICIS 410-474838/19	10.0	8.315825	10.0	1203165.0	0.831583	Y
7	IC 410-474838/20	25.0	20.938244	10.0	1210911.0	0.83753	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

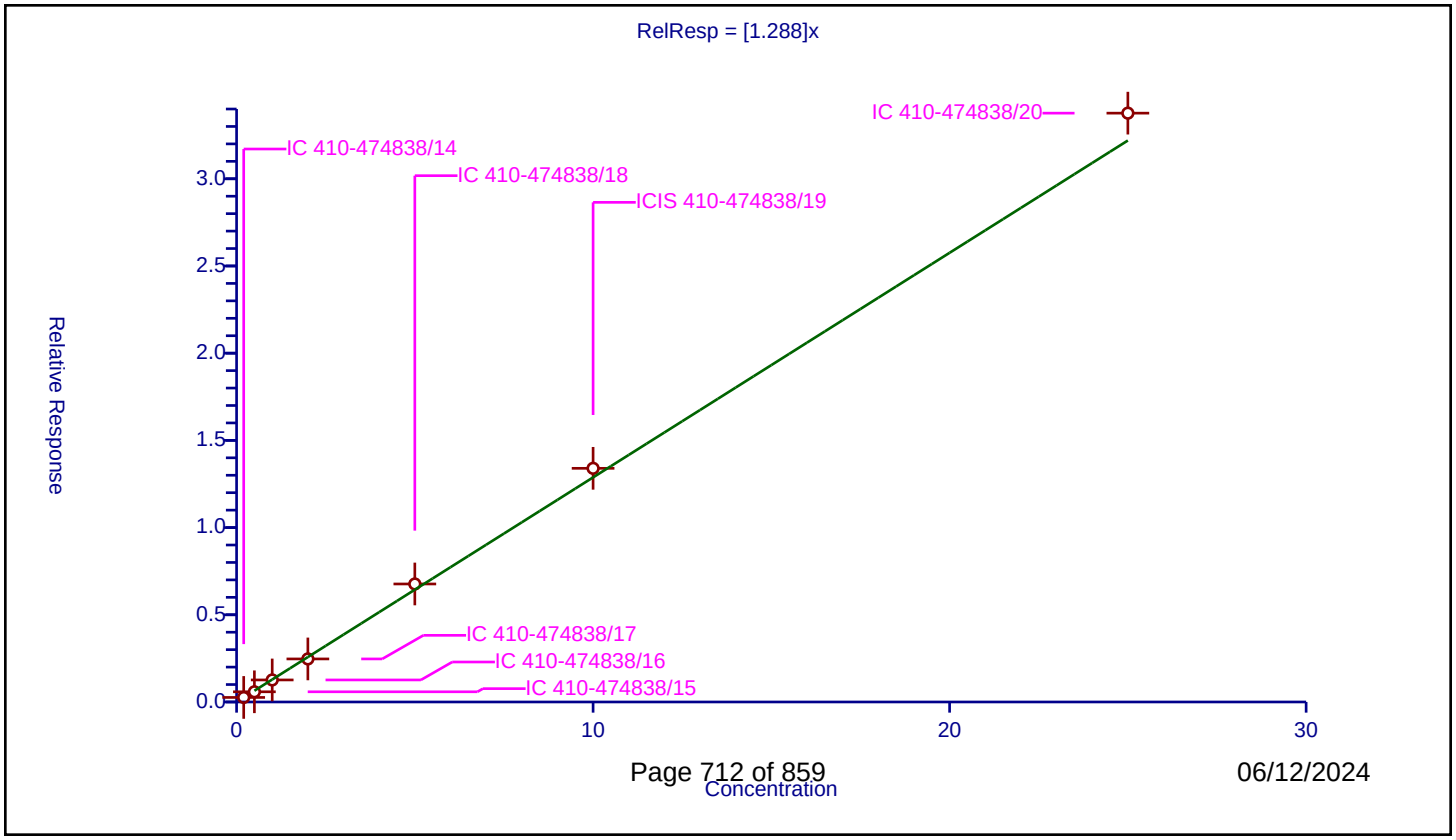
Curve Coefficients

Intercept:	0
Slope:	1.288

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.260859	10.0	1166455.0	1.304294	Y
2	IC 410-474838/15	0.5	0.584216	10.0	1173846.0	1.168433	Y
3	IC 410-474838/16	1.0	1.263863	10.0	1126973.0	1.263863	Y
4	IC 410-474838/17	2.0	2.468581	10.0	1182736.0	1.234291	Y
5	IC 410-474838/18	5.0	6.765991	10.0	1192489.0	1.353198	Y
6	ICIS 410-474838/19	10.0	13.397647	10.0	1203165.0	1.339765	Y
7	IC 410-474838/20	25.0	33.762481	10.0	1210911.0	1.350499	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

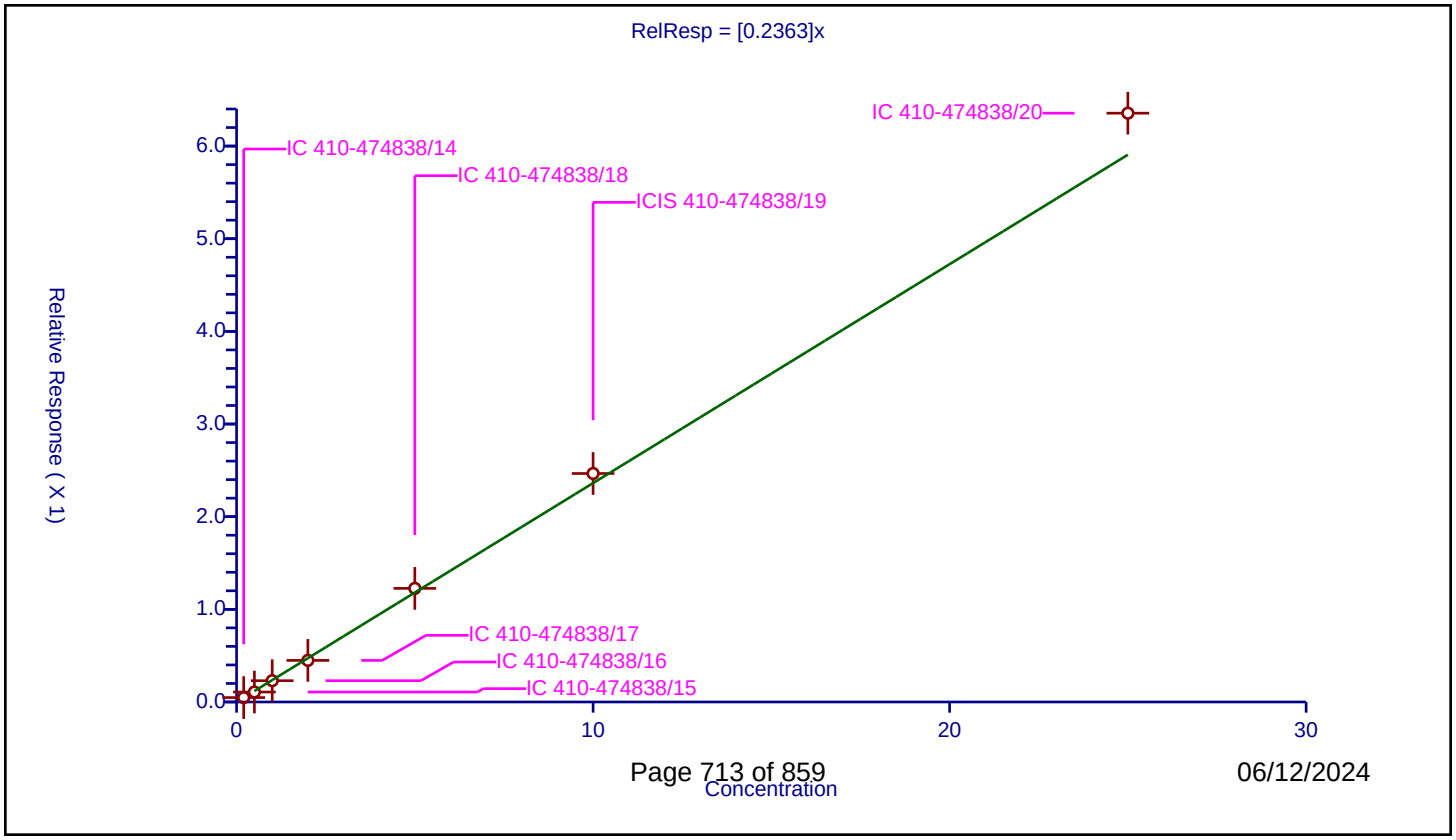
Curve Coefficients

Intercept:	0
Slope:	0.2363

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.047683	10.0	1166455.0	0.238415	Y
2	IC 410-474838/15	0.5	0.107518	10.0	1173846.0	0.215037	Y
3	IC 410-474838/16	1.0	0.229864	10.0	1126973.0	0.229864	Y
4	IC 410-474838/17	2.0	0.448908	10.0	1182736.0	0.224454	Y
5	IC 410-474838/18	5.0	1.226099	10.0	1192489.0	0.24522	Y
6	ICIS 410-474838/19	10.0	2.466046	10.0	1203165.0	0.246605	Y
7	IC 410-474838/20	25.0	6.355058	10.0	1210911.0	0.254202	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

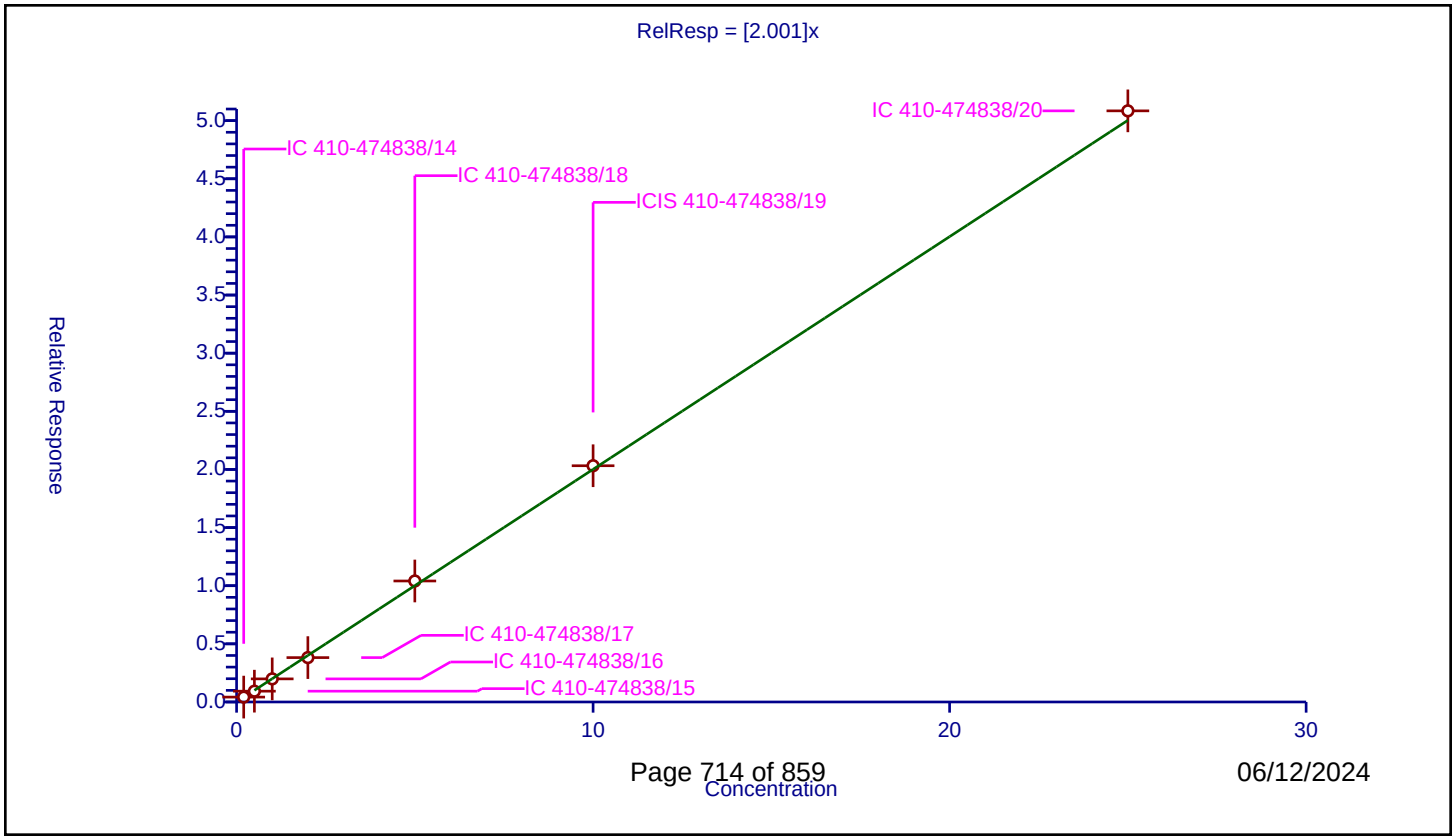
Curve Coefficients

Intercept:	0
Slope:	2.001

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.421482	10.0	1166455.0	2.107411	Y
2	IC 410-474838/15	0.5	0.929074	10.0	1173846.0	1.858148	Y
3	IC 410-474838/16	1.0	1.98743	10.0	1126973.0	1.98743	Y
4	IC 410-474838/17	2.0	3.816955	10.0	1182736.0	1.908477	Y
5	IC 410-474838/18	5.0	10.406285	10.0	1192489.0	2.081257	Y
6	ICIS 410-474838/19	10.0	20.320264	10.0	1203165.0	2.032026	Y
7	IC 410-474838/20	25.0	50.841441	10.0	1210911.0	2.033658	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

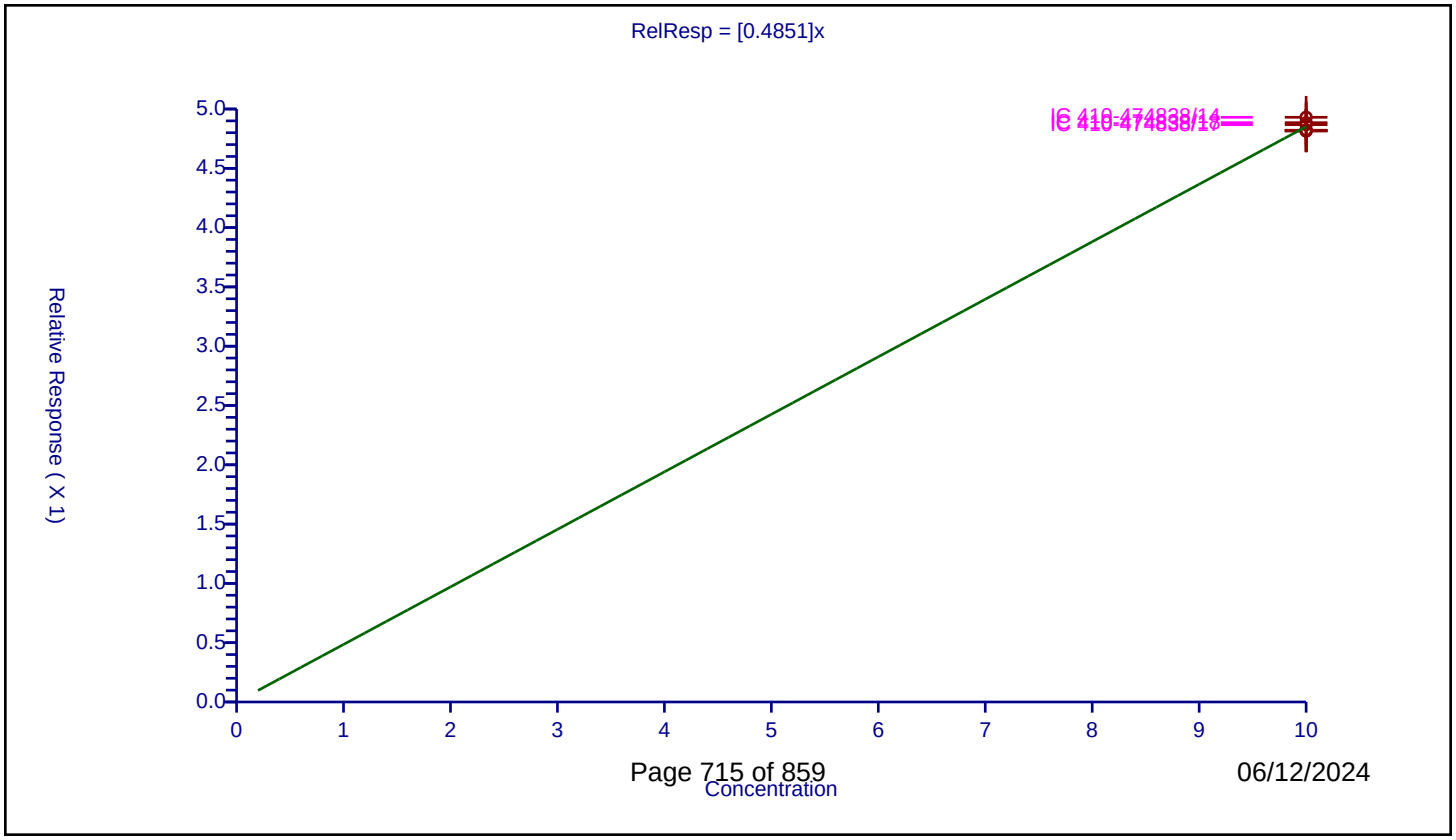
Curve Coefficients

Intercept:	0
Slope:	0.4851

Error Coefficients

Relative Standard Deviation:	0.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	10.0	4.930212	10.0	1166455.0	0.493021	Y
2	IC 410-474838/15	10.0	4.815052	10.0	1173846.0	0.481505	Y
3	IC 410-474838/16	10.0	4.816193	10.0	1126973.0	0.481619	Y
4	IC 410-474838/17	10.0	4.867857	10.0	1182736.0	0.486786	Y
5	IC 410-474838/18	10.0	4.884951	10.0	1192489.0	0.488495	Y
6	ICIS 410-474838/19	10.0	4.820154	10.0	1203165.0	0.482015	Y
7	IC 410-474838/20	10.0	4.82132	10.0	1210911.0	0.482132	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

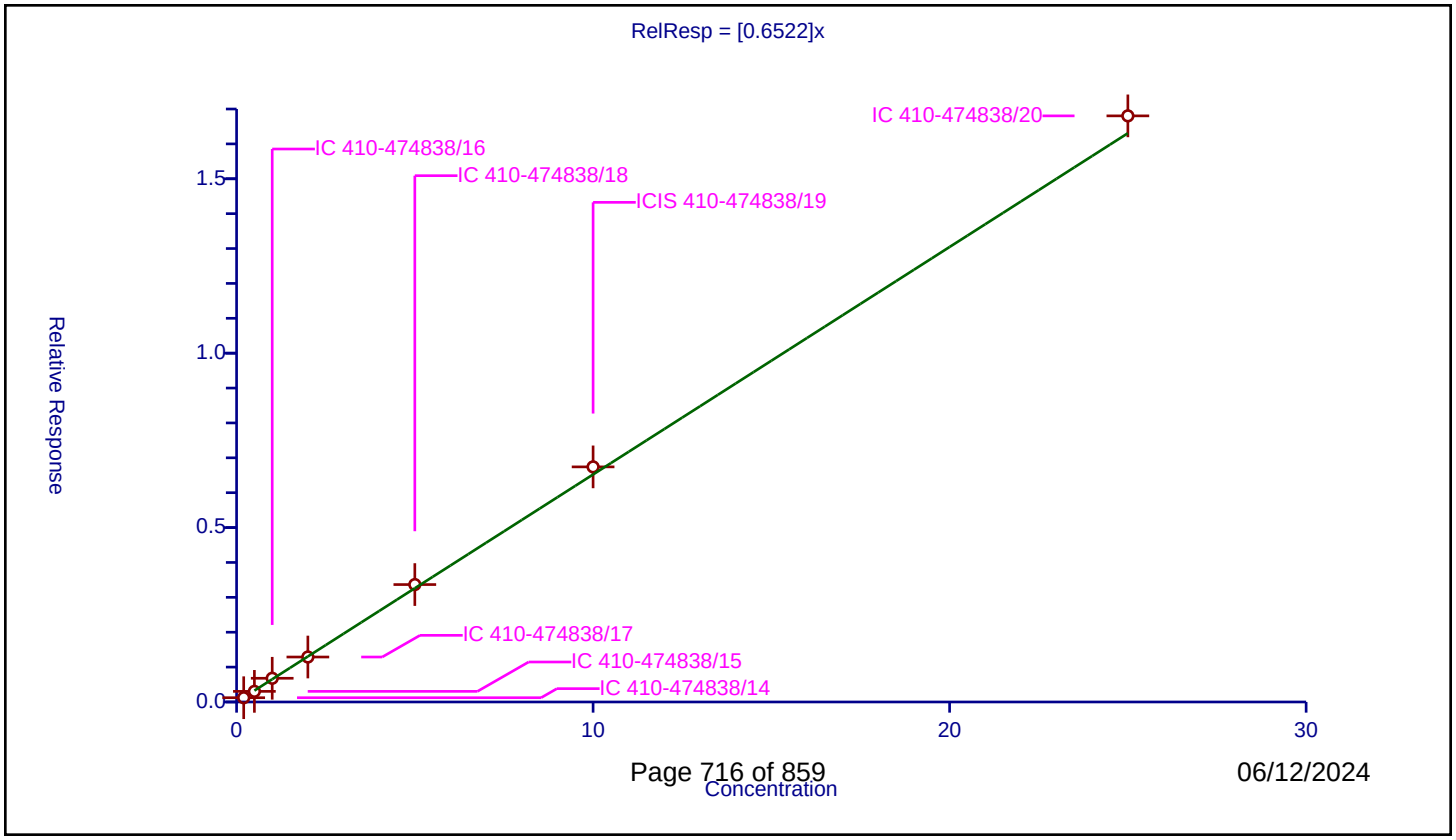
Curve Coefficients

Intercept:	0
Slope:	0.6522

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.122362	10.0	672757.0	0.611811	Y
2	IC 410-474838/15	0.5	0.304884	10.0	680555.0	0.609767	Y
3	IC 410-474838/16	1.0	0.679951	10.0	647591.0	0.679951	Y
4	IC 410-474838/17	2.0	1.289412	10.0	676316.0	0.644706	Y
5	IC 410-474838/18	5.0	3.366502	10.0	693132.0	0.6733	Y
6	ICIS 410-474838/19	10.0	6.740261	10.0	691129.0	0.674026	Y
7	IC 410-474838/20	25.0	16.80316	10.0	703773.0	0.672126	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

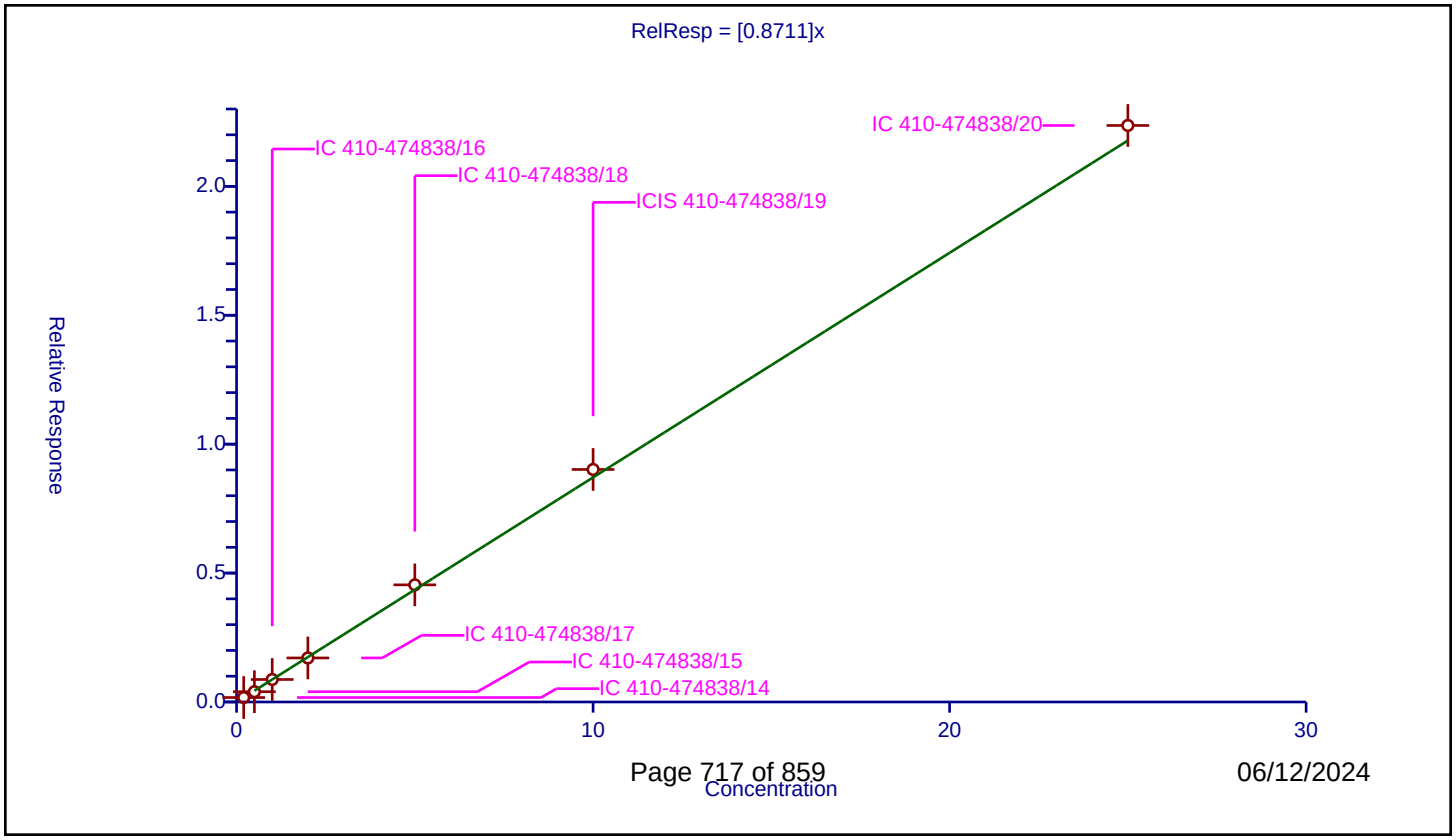
Curve Coefficients

Intercept:	0
Slope:	0.8711

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.173733	10.0	672757.0	0.868664	Y
2	IC 410-474838/15	0.5	0.398542	10.0	680555.0	0.797085	Y
3	IC 410-474838/16	1.0	0.872928	10.0	647591.0	0.872928	Y
4	IC 410-474838/17	2.0	1.707855	10.0	676316.0	0.853928	Y
5	IC 410-474838/18	5.0	4.54342	10.0	693132.0	0.908684	Y
6	ICIS 410-474838/19	10.0	9.019083	10.0	691129.0	0.901908	Y
7	IC 410-474838/20	25.0	22.361855	10.0	703773.0	0.894474	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

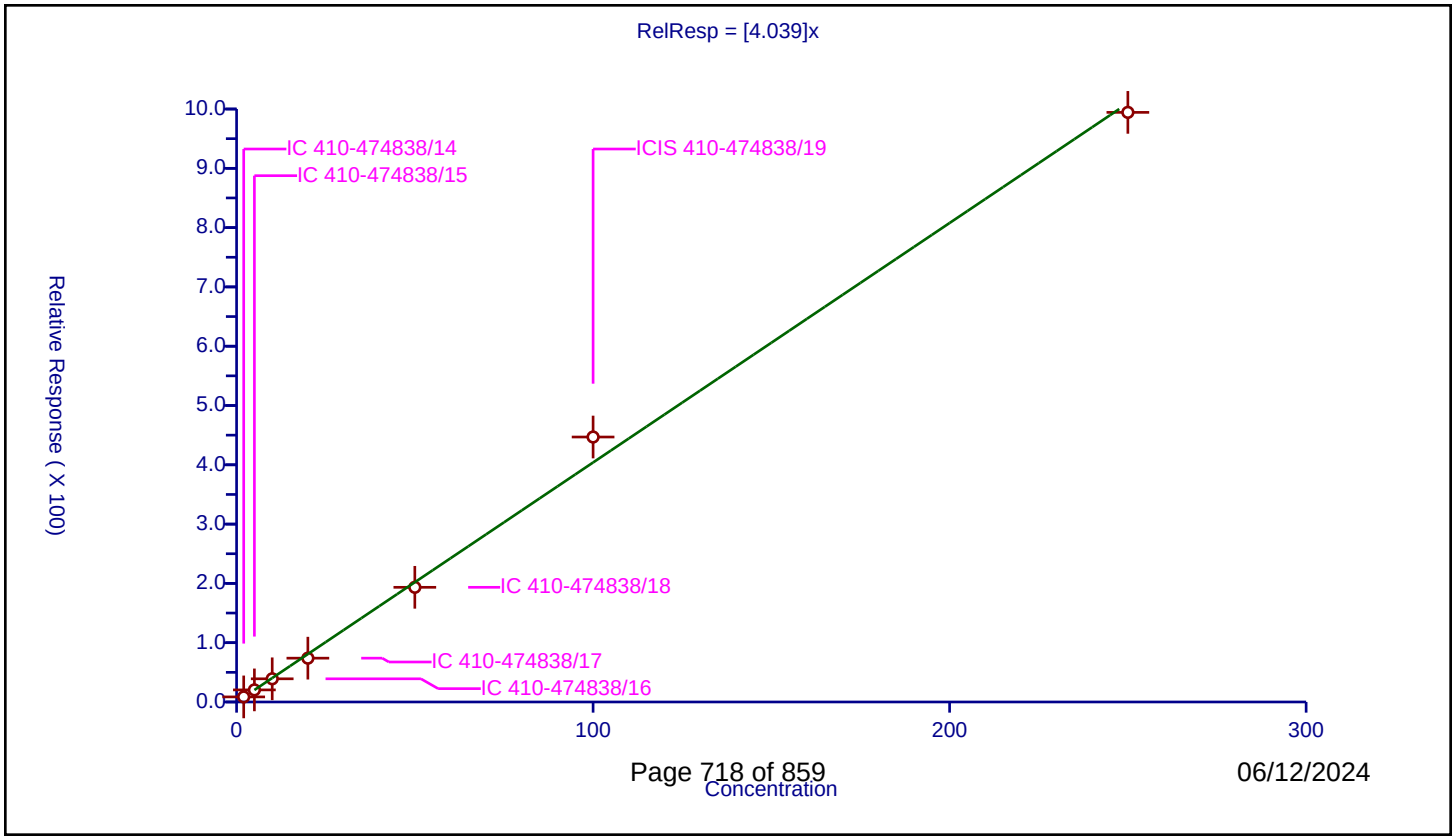
Curve Coefficients

Intercept:	0
Slope:	4.039

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	2.0	8.555113	50.0	125913.0	4.277557	Y
2	IC 410-474838/15	5.0	20.376641	50.0	129354.0	4.075328	Y
3	IC 410-474838/16	10.0	39.114371	50.0	143717.0	3.911437	Y
4	IC 410-474838/17	20.0	73.899209	50.0	153049.0	3.69496	Y
5	IC 410-474838/18	50.0	193.385042	50.0	157227.0	3.867701	Y
6	ICIS 410-474838/19	100.0	446.841274	50.0	136115.0	4.468413	Y
7	IC 410-474838/20	250.0	994.352031	50.0	154799.0	3.977408	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

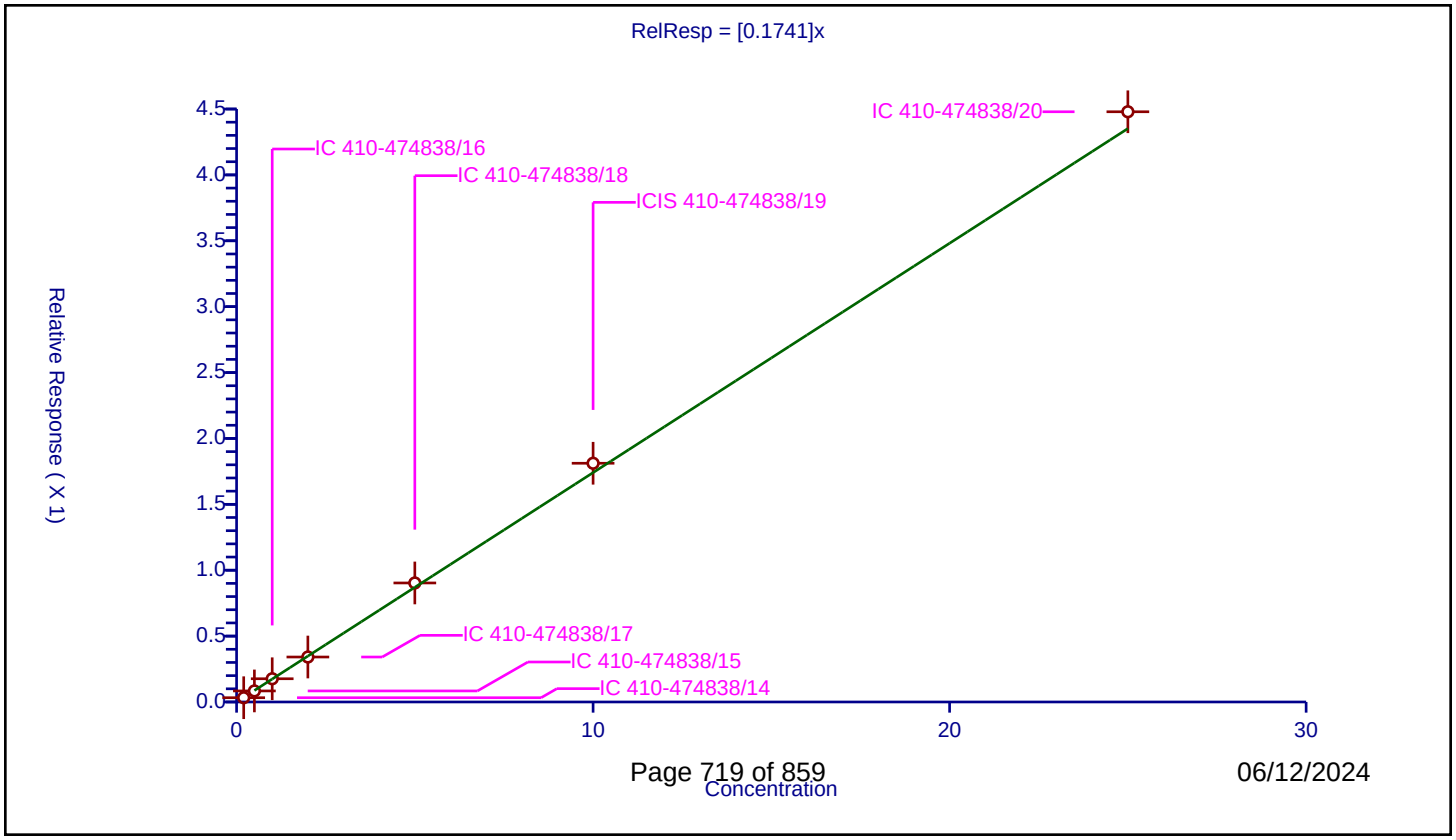
Curve Coefficients

Intercept:	0
Slope:	0.1741

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.032538	10.0	672757.0	0.162689	Y
2	IC 410-474838/15	0.5	0.083858	10.0	680555.0	0.167716	Y
3	IC 410-474838/16	1.0	0.176439	10.0	647591.0	0.176439	Y
4	IC 410-474838/17	2.0	0.341231	10.0	676316.0	0.170616	Y
5	IC 410-474838/18	5.0	0.903291	10.0	693132.0	0.180658	Y
6	ICIS 410-474838/19	10.0	1.811644	10.0	691129.0	0.181164	Y
7	IC 410-474838/20	25.0	4.479243	10.0	703773.0	0.17917	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

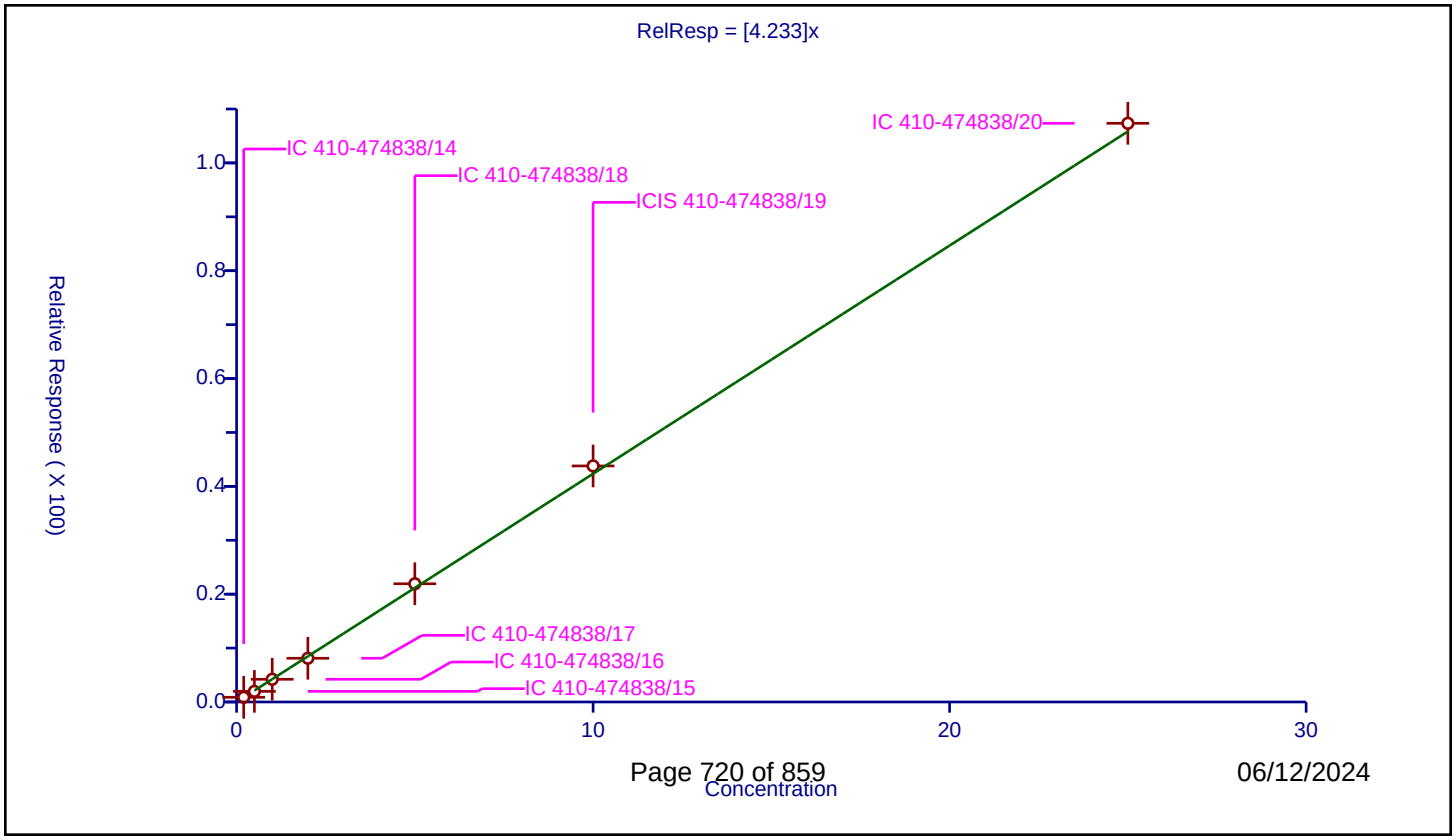
Curve Coefficients

Intercept:	0
Slope:	4.233

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.872797	10.0	672757.0	4.363983	Y
2	IC 410-474838/15	0.5	1.971185	10.0	680555.0	3.942371	Y
3	IC 410-474838/16	1.0	4.212983	10.0	647591.0	4.212983	Y
4	IC 410-474838/17	2.0	8.112051	10.0	676316.0	4.056026	Y
5	IC 410-474838/18	5.0	21.929329	10.0	693132.0	4.385866	Y
6	ICIS 410-474838/19	10.0	43.789162	10.0	691129.0	4.378916	Y
7	IC 410-474838/20	25.0	107.346062	10.0	703773.0	4.293842	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

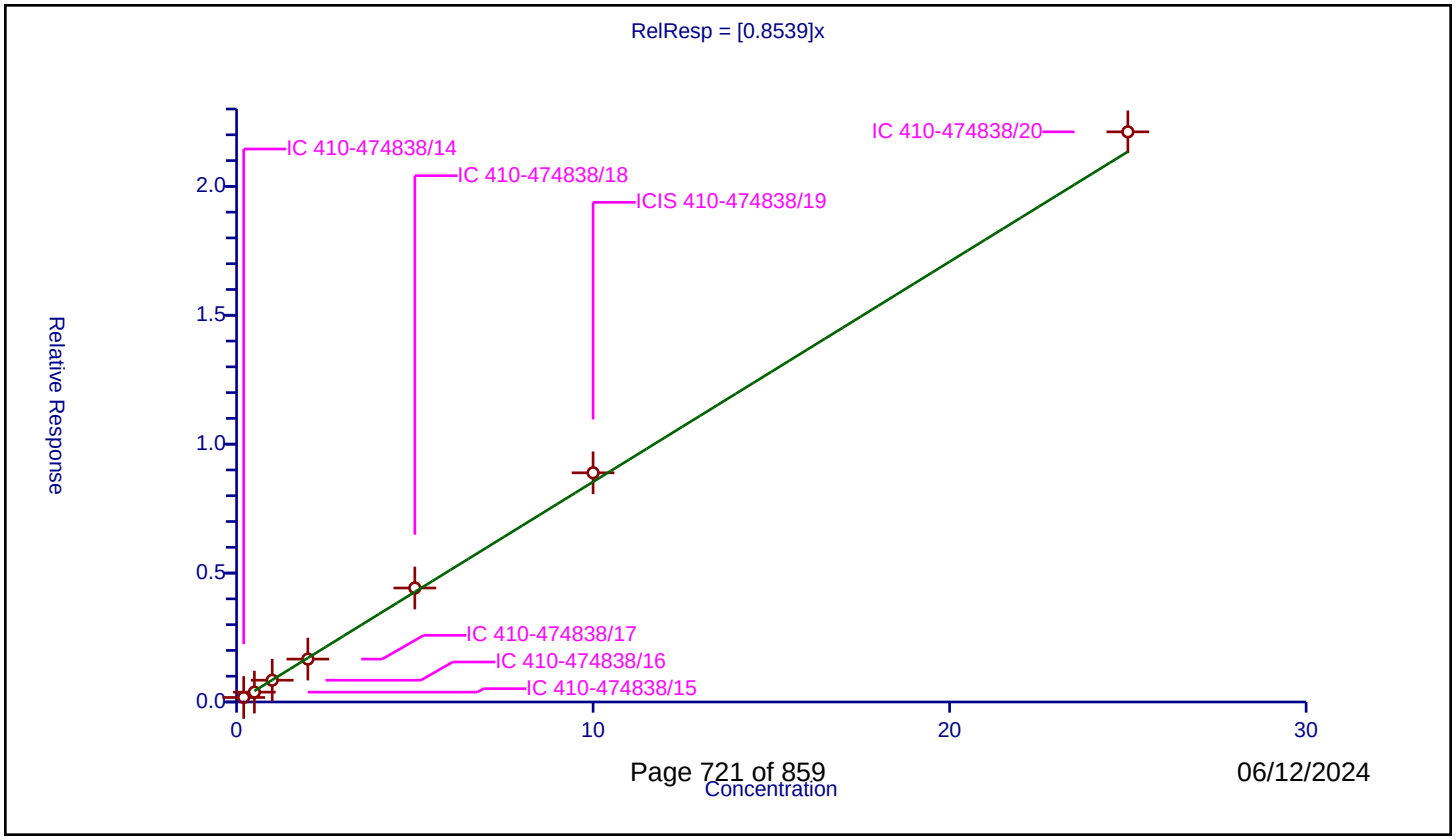
Curve Coefficients

Intercept:	0
Slope:	0.8539

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.175487	10.0	672757.0	0.877434	Y
2	IC 410-474838/15	0.5	0.382555	10.0	680555.0	0.765111	Y
3	IC 410-474838/16	1.0	0.844854	10.0	647591.0	0.844854	Y
4	IC 410-474838/17	2.0	1.663823	10.0	676316.0	0.831911	Y
5	IC 410-474838/18	5.0	4.421293	10.0	693132.0	0.884259	Y
6	ICIS 410-474838/19	10.0	8.889759	10.0	691129.0	0.888976	Y
7	IC 410-474838/20	25.0	22.114162	10.0	703773.0	0.884566	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

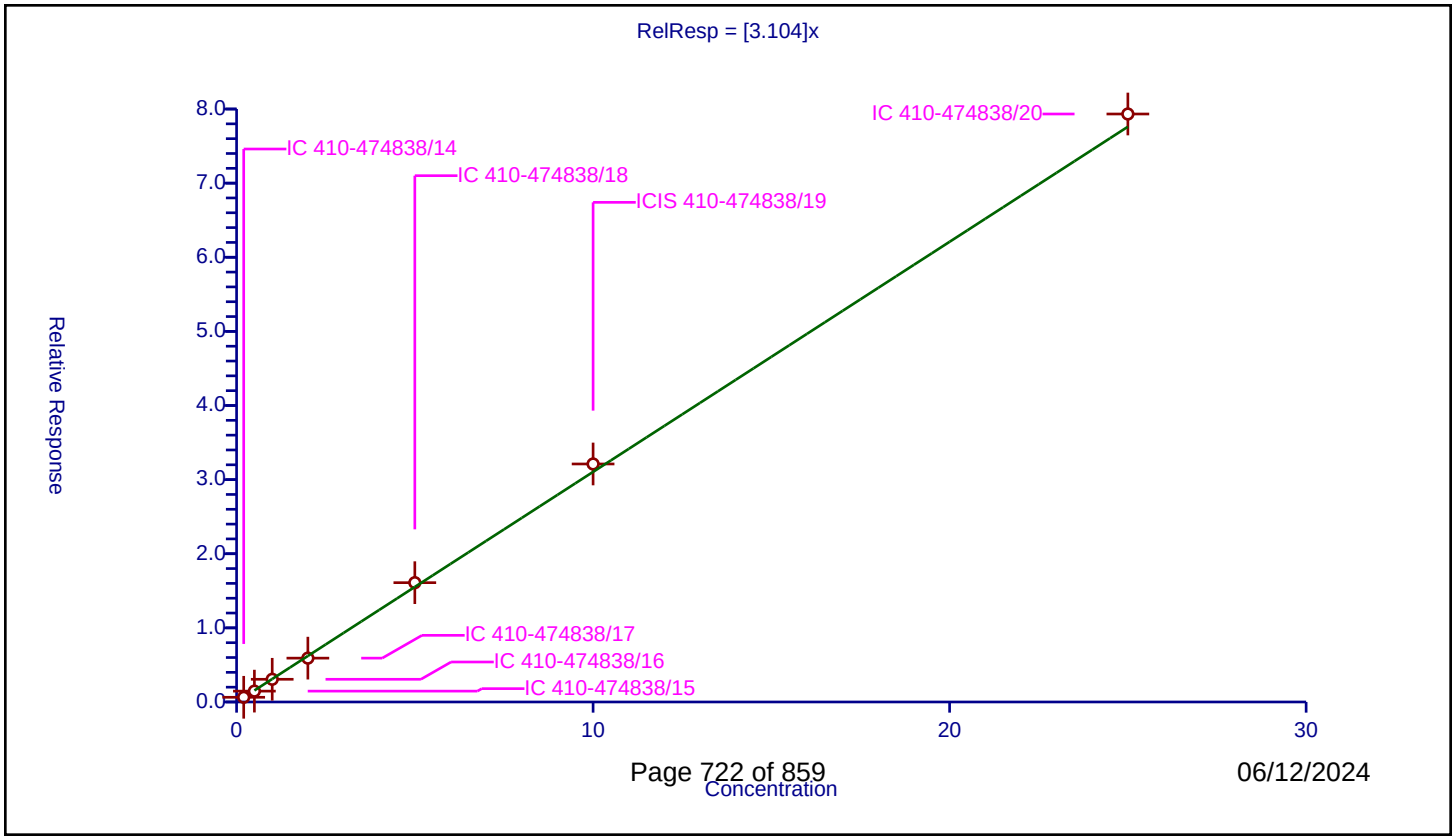
Curve Coefficients

Intercept:	0
Slope:	3.104

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.635058	10.0	672757.0	3.175292	Y
2	IC 410-474838/15	0.5	1.464907	10.0	680555.0	2.929815	Y
3	IC 410-474838/16	1.0	3.062875	10.0	647591.0	3.062875	Y
4	IC 410-474838/17	2.0	5.916362	10.0	676316.0	2.958181	Y
5	IC 410-474838/18	5.0	16.09891	10.0	693132.0	3.219782	Y
6	ICIS 410-474838/19	10.0	32.112659	10.0	691129.0	3.211266	Y
7	IC 410-474838/20	25.0	79.328264	10.0	703773.0	3.173131	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

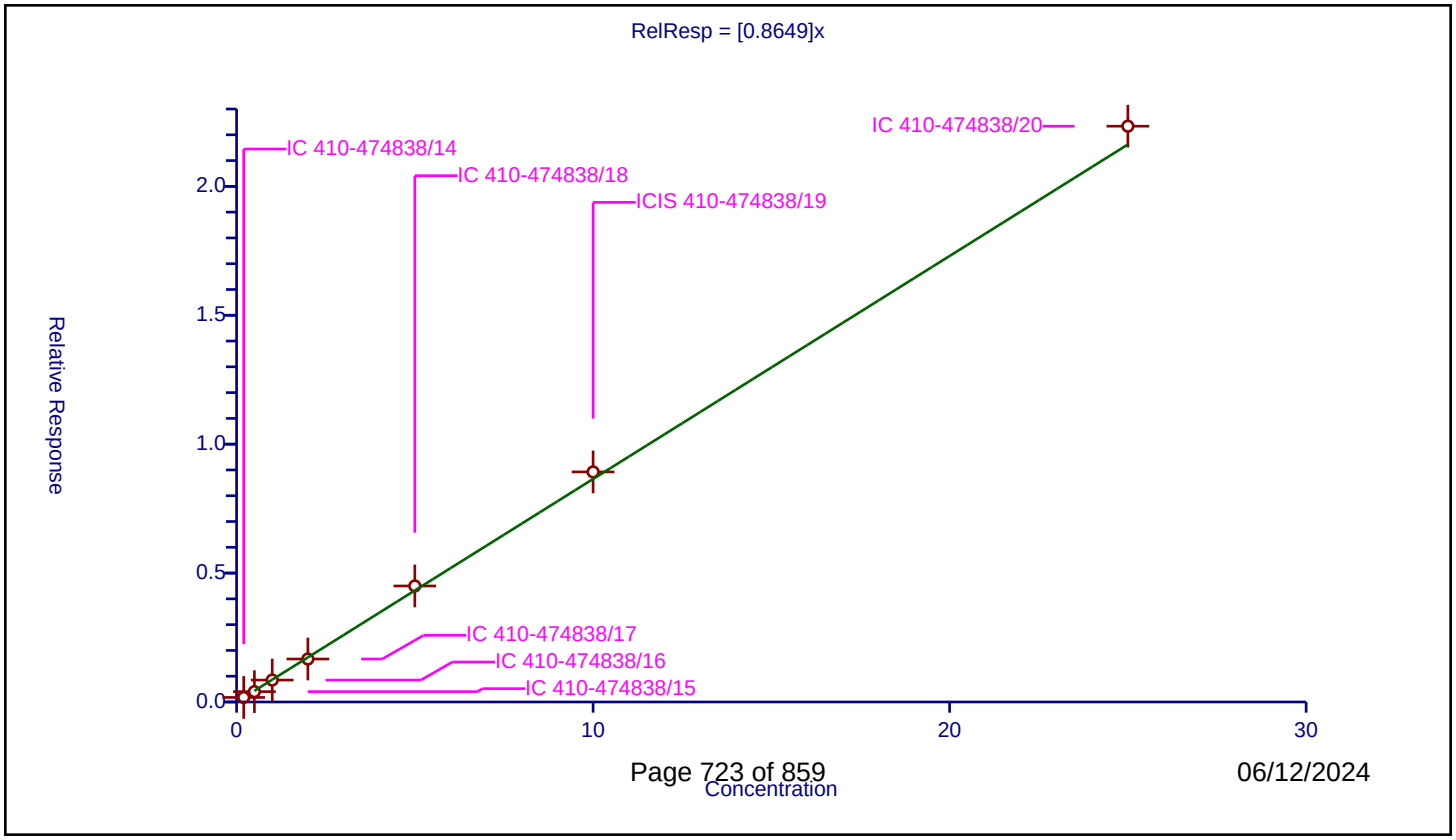
Curve Coefficients

Intercept:	0
Slope:	0.8649

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.176245	10.0	672757.0	0.881225	Y
2	IC 410-474838/15	0.5	0.402069	10.0	680555.0	0.804138	Y
3	IC 410-474838/16	1.0	0.850228	10.0	647591.0	0.850228	Y
4	IC 410-474838/17	2.0	1.666543	10.0	676316.0	0.833272	Y
5	IC 410-474838/18	5.0	4.499778	10.0	693132.0	0.899956	Y
6	ICIS 410-474838/19	10.0	8.923775	10.0	691129.0	0.892378	Y
7	IC 410-474838/20	25.0	22.33338	10.0	703773.0	0.893335	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

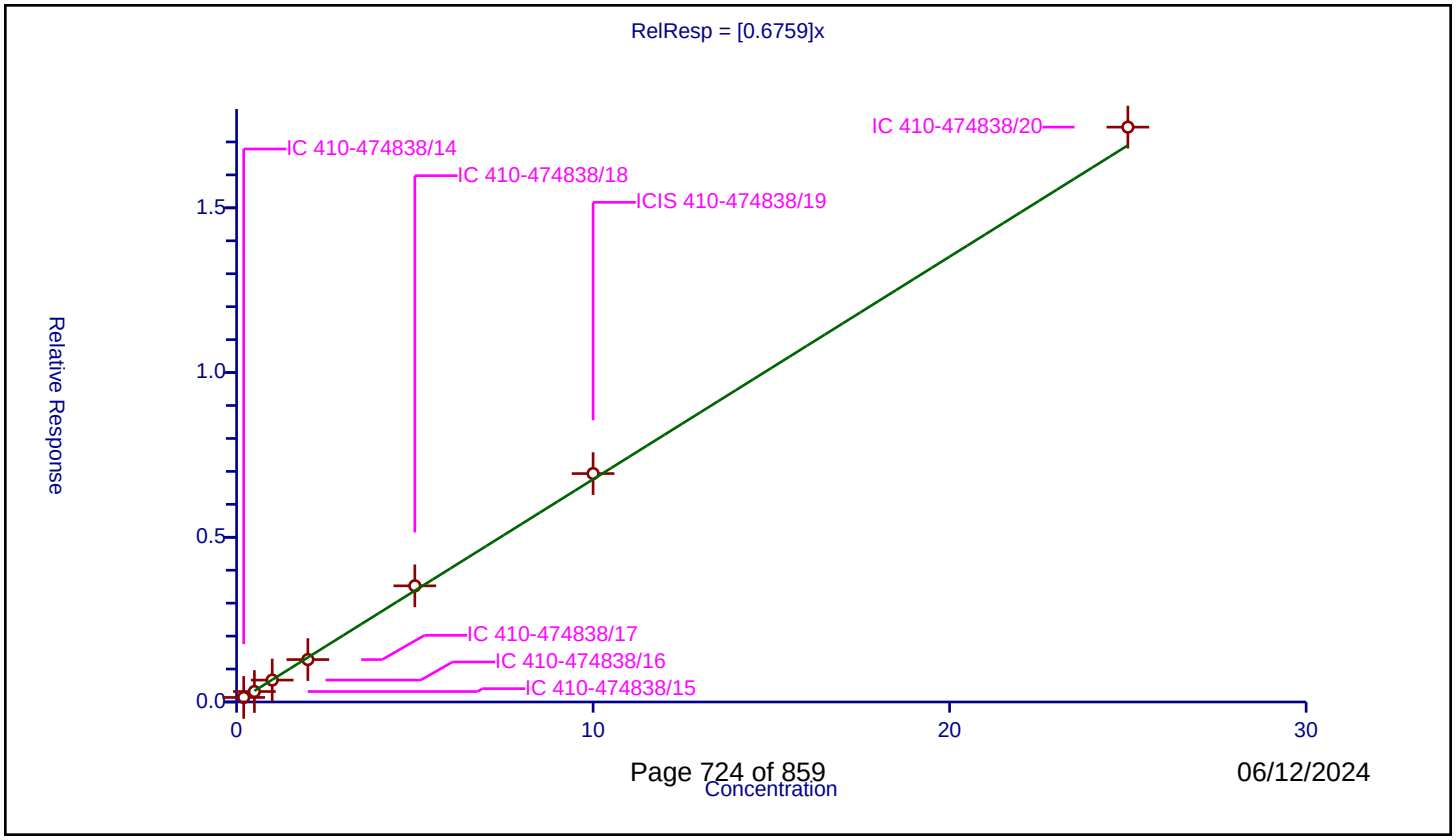
Curve Coefficients

Intercept:	0
Slope:	0.6759

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.138059	10.0	672757.0	0.690294	Y
2	IC 410-474838/15	0.5	0.317829	10.0	680555.0	0.635658	Y
3	IC 410-474838/16	1.0	0.664756	10.0	647591.0	0.664756	Y
4	IC 410-474838/17	2.0	1.2878	10.0	676316.0	0.6439	Y
5	IC 410-474838/18	5.0	3.525923	10.0	693132.0	0.705185	Y
6	ICIS 410-474838/19	10.0	6.933944	10.0	691129.0	0.693394	Y
7	IC 410-474838/20	25.0	17.450428	10.0	703773.0	0.698017	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

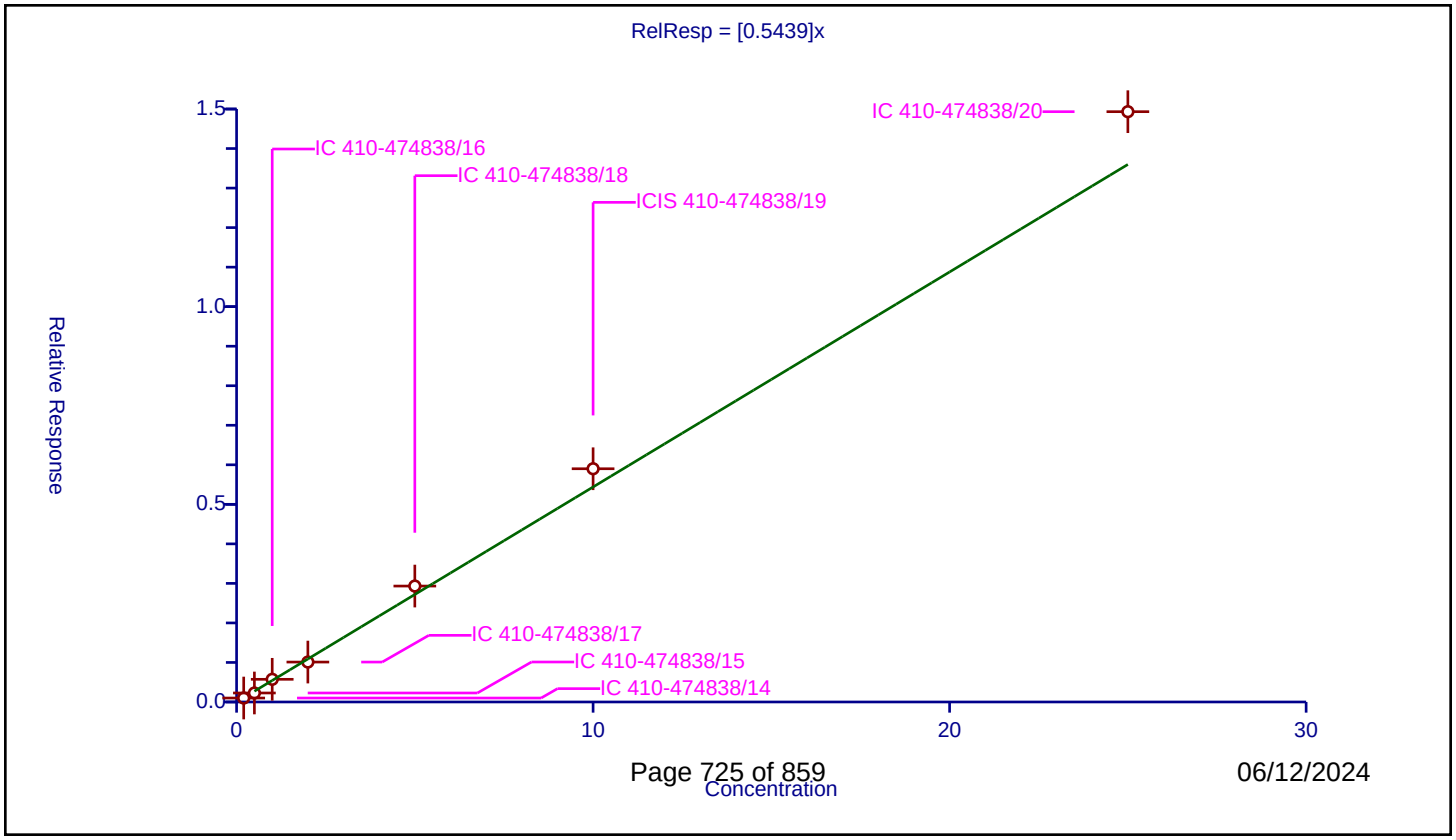
Curve Coefficients

Intercept:	0
Slope:	0.5439

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.099932	10.0	672757.0	0.49966	Y
2	IC 410-474838/15	0.5	0.227594	10.0	680555.0	0.455187	Y
3	IC 410-474838/16	1.0	0.573495	10.0	647591.0	0.573495	Y
4	IC 410-474838/17	2.0	1.010193	10.0	676316.0	0.505097	Y
5	IC 410-474838/18	5.0	2.93276	10.0	693132.0	0.586552	Y
6	ICIS 410-474838/19	10.0	5.900215	10.0	691129.0	0.590022	Y
7	IC 410-474838/20	25.0	14.932471	10.0	703773.0	0.597299	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

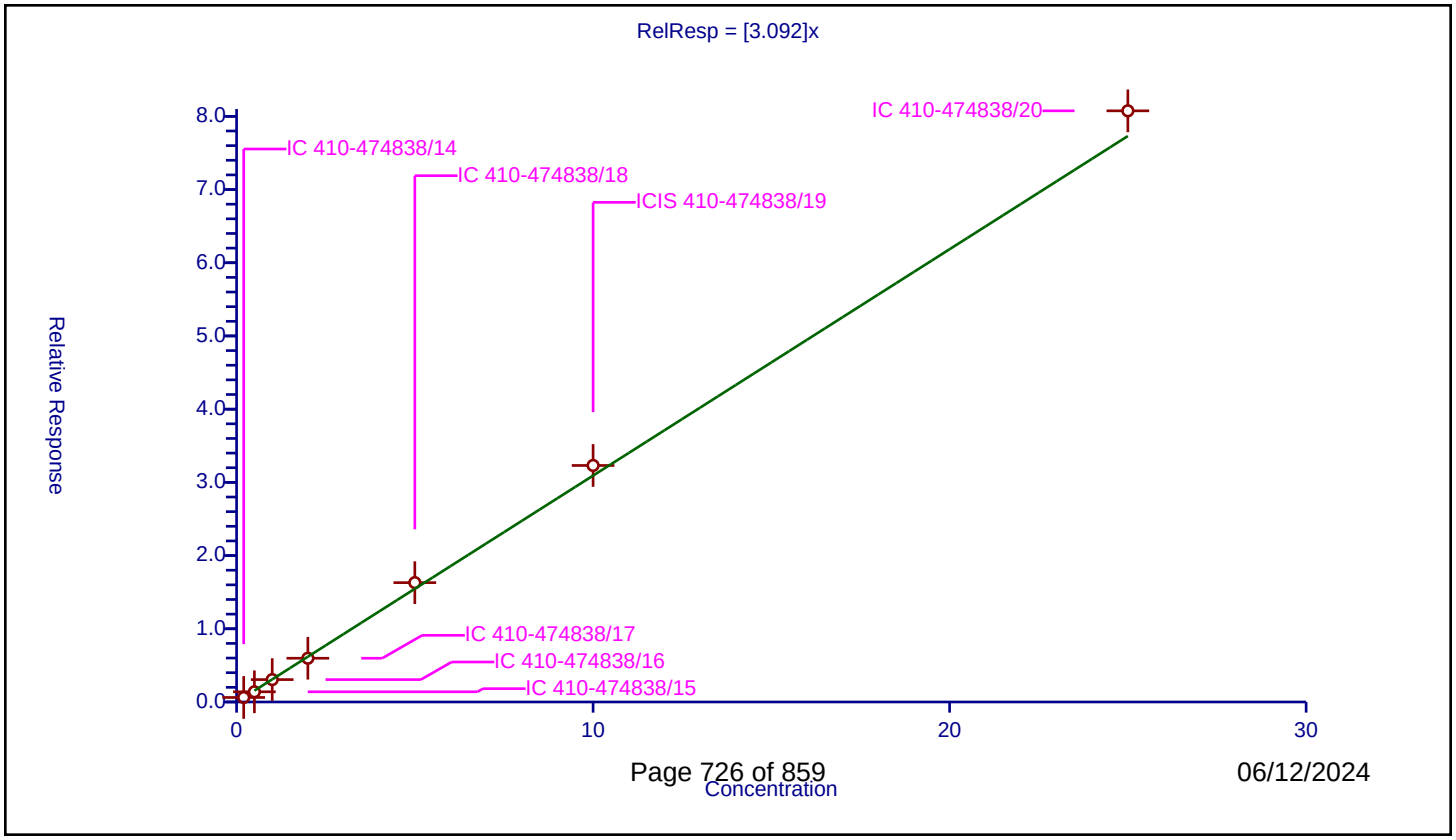
Curve Coefficients

Intercept:	0
Slope:	3.092

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.618975	10.0	672757.0	3.094877	Y
2	IC 410-474838/15	0.5	1.392261	10.0	680555.0	2.784521	Y
3	IC 410-474838/16	1.0	3.056775	10.0	647591.0	3.056775	Y
4	IC 410-474838/17	2.0	5.977235	10.0	676316.0	2.988618	Y
5	IC 410-474838/18	5.0	16.301008	10.0	693132.0	3.260202	Y
6	ICIS 410-474838/19	10.0	32.307181	10.0	691129.0	3.230718	Y
7	IC 410-474838/20	25.0	80.752785	10.0	703773.0	3.230111	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

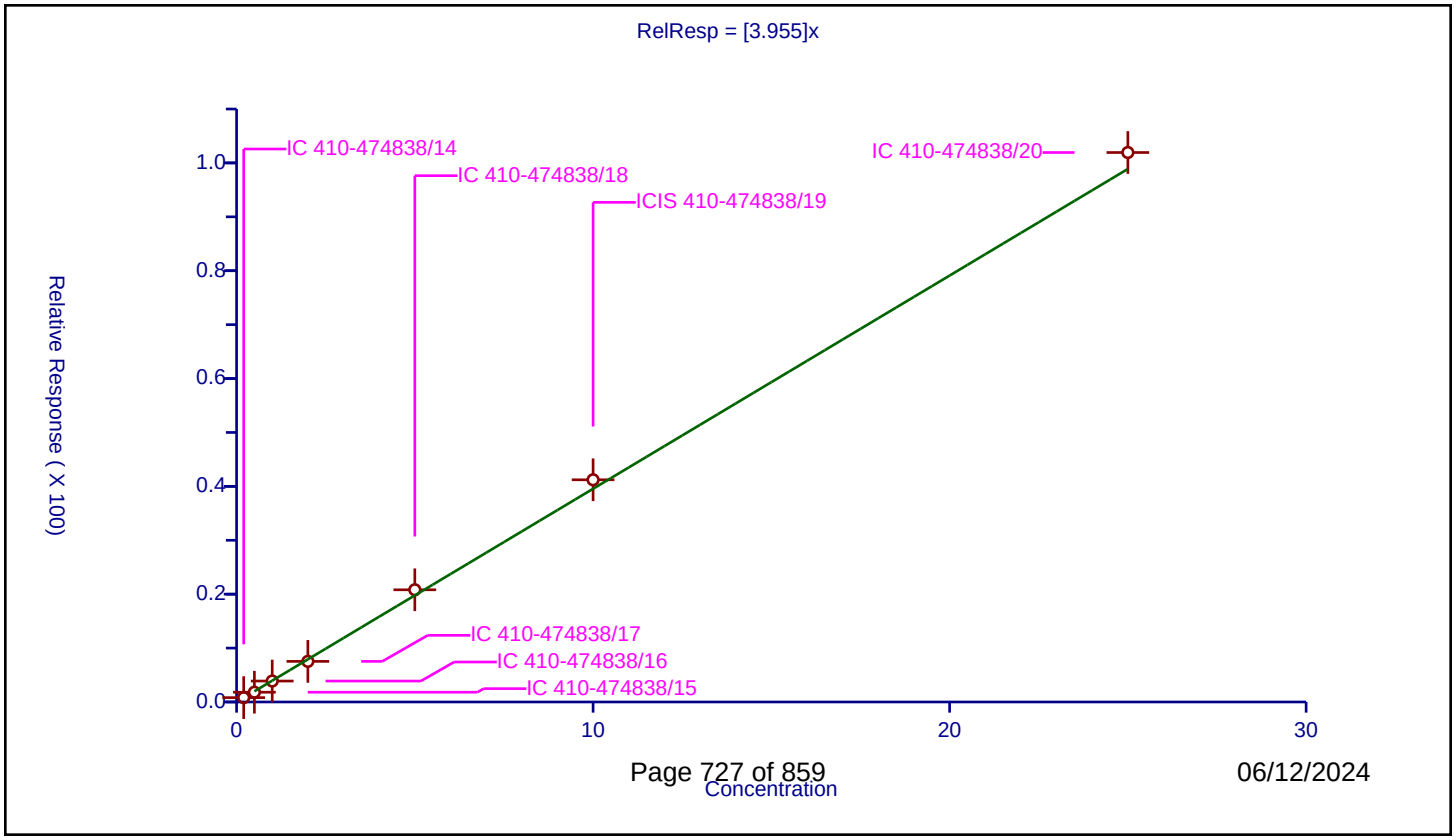
Curve Coefficients

Intercept:	0
Slope:	3.955

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.809921	10.0	672757.0	4.049605	Y
2	IC 410-474838/15	0.5	1.813211	10.0	680555.0	3.626423	Y
3	IC 410-474838/16	1.0	3.883516	10.0	647591.0	3.883516	Y
4	IC 410-474838/17	2.0	7.52935	10.0	676316.0	3.764675	Y
5	IC 410-474838/18	5.0	20.813337	10.0	693132.0	4.162667	Y
6	ICIS 410-474838/19	10.0	41.219092	10.0	691129.0	4.121909	Y
7	IC 410-474838/20	25.0	101.932725	10.0	703773.0	4.077309	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

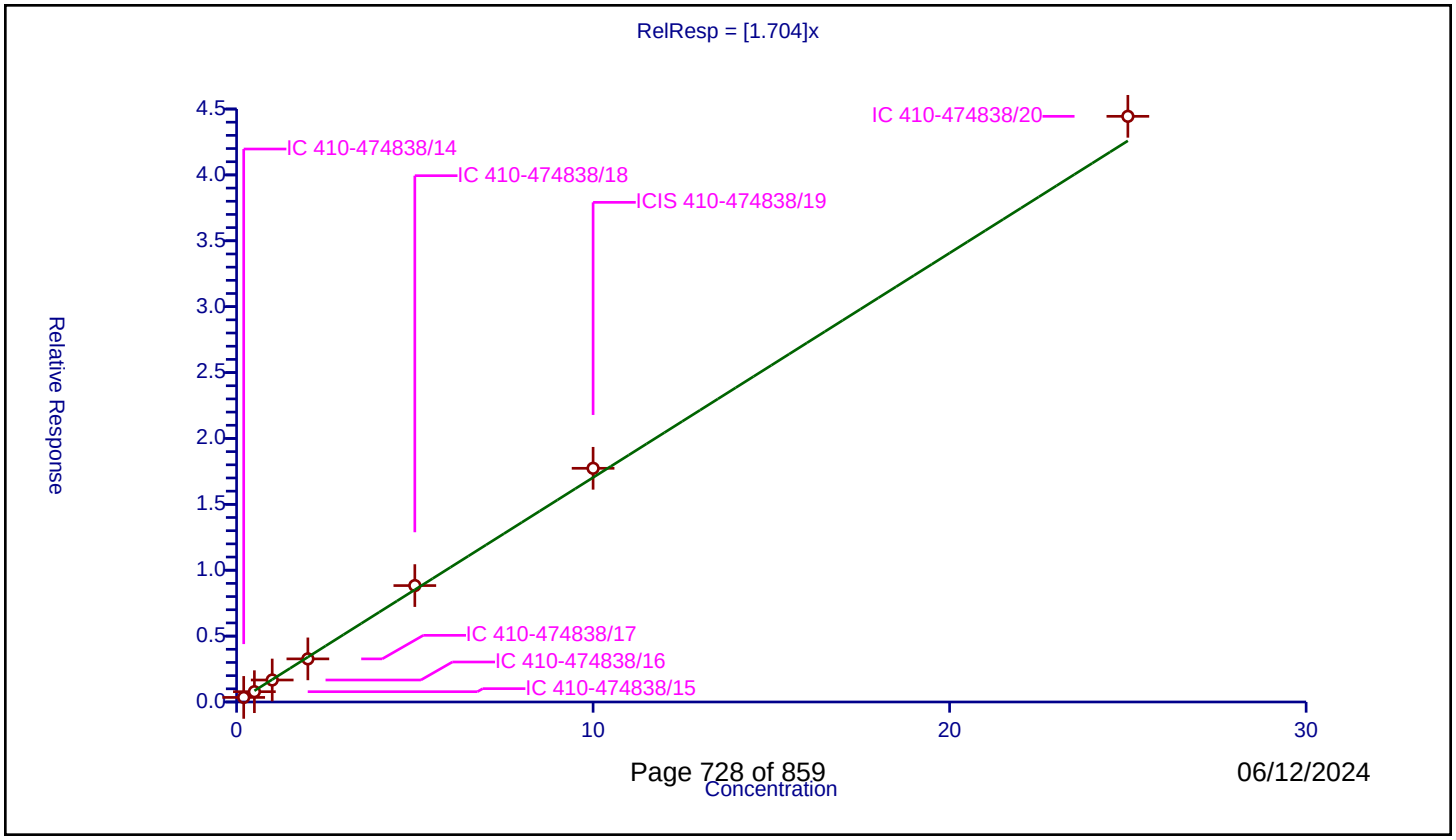
Curve Coefficients

Intercept:	0
Slope:	1.704

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.347466	10.0	672757.0	1.737329	Y
2	IC 410-474838/15	0.5	0.782611	10.0	680555.0	1.565223	Y
3	IC 410-474838/16	1.0	1.668538	10.0	647591.0	1.668538	Y
4	IC 410-474838/17	2.0	3.270882	10.0	676316.0	1.635441	Y
5	IC 410-474838/18	5.0	8.834248	10.0	693132.0	1.76685	Y
6	ICIS 410-474838/19	10.0	17.734996	10.0	691129.0	1.7735	Y
7	IC 410-474838/20	25.0	44.446221	10.0	703773.0	1.777849	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

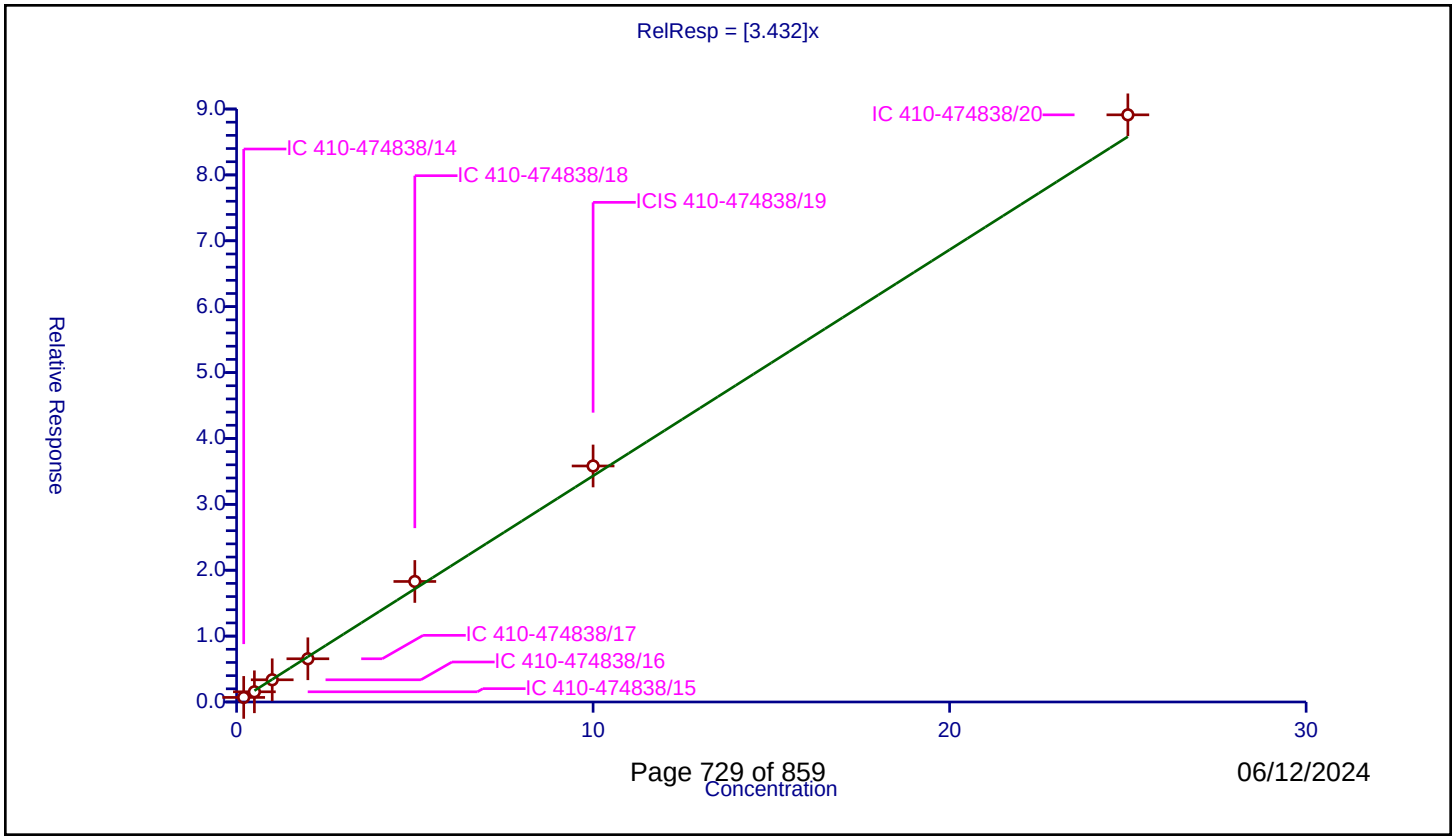
Curve Coefficients

Intercept:	0
Slope:	3.432

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.694604	10.0	672757.0	3.473022	Y
2	IC 410-474838/15	0.5	1.548618	10.0	680555.0	3.097237	Y
3	IC 410-474838/16	1.0	3.369071	10.0	647591.0	3.369071	Y
4	IC 410-474838/17	2.0	6.560055	10.0	676316.0	3.280027	Y
5	IC 410-474838/18	5.0	18.293644	10.0	693132.0	3.658729	Y
6	ICIS 410-474838/19	10.0	35.823008	10.0	691129.0	3.582301	Y
7	IC 410-474838/20	25.0	89.116548	10.0	703773.0	3.564662	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

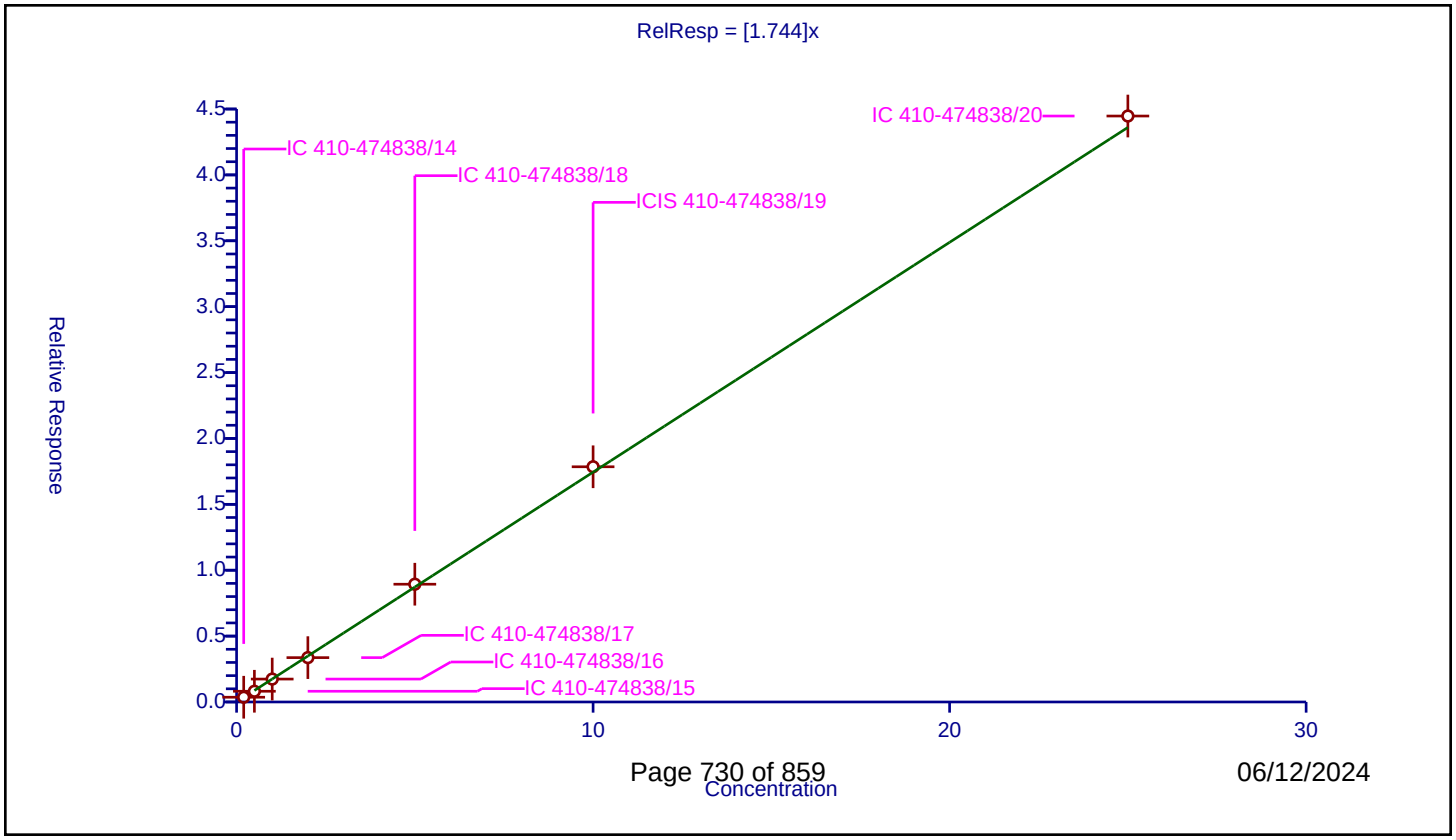
Curve Coefficients

Intercept:	0
Slope:	1.744

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.360873	10.0	672757.0	1.804366	Y
2	IC 410-474838/15	0.5	0.81532	10.0	680555.0	1.63064	Y
3	IC 410-474838/16	1.0	1.739678	10.0	647591.0	1.739678	Y
4	IC 410-474838/17	2.0	3.365705	10.0	676316.0	1.682852	Y
5	IC 410-474838/18	5.0	8.93798	10.0	693132.0	1.787596	Y
6	ICIS 410-474838/19	10.0	17.850633	10.0	691129.0	1.785063	Y
7	IC 410-474838/20	25.0	44.468032	10.0	703773.0	1.778721	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

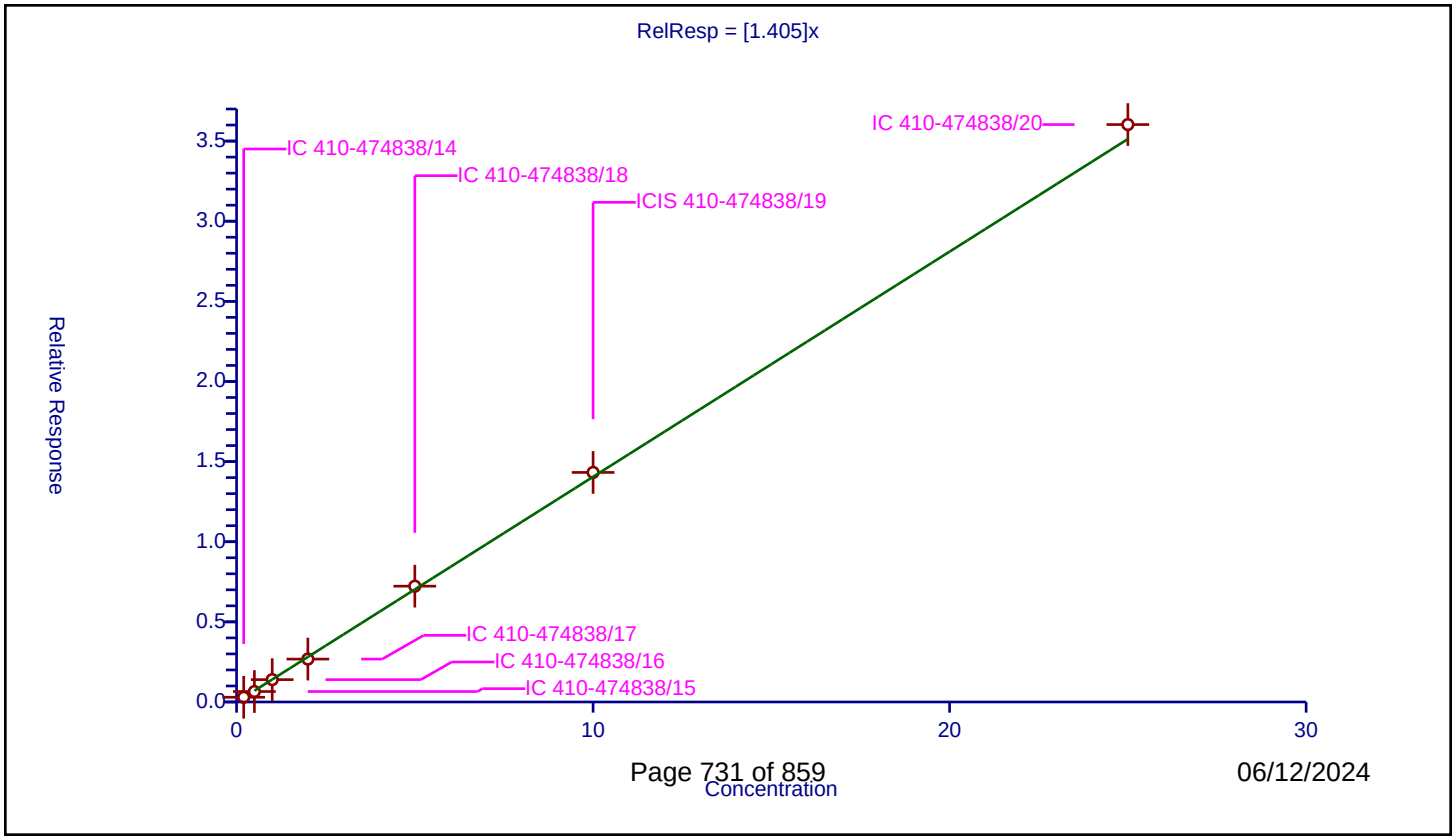
Curve Coefficients

Intercept:	0
Slope:	1.405

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.295263	10.0	672757.0	1.476313	Y
2	IC 410-474838/15	0.5	0.652952	10.0	680555.0	1.305905	Y
3	IC 410-474838/16	1.0	1.395649	10.0	647591.0	1.395649	Y
4	IC 410-474838/17	2.0	2.677003	10.0	676316.0	1.338502	Y
5	IC 410-474838/18	5.0	7.226473	10.0	693132.0	1.445295	Y
6	ICIS 410-474838/19	10.0	14.324388	10.0	691129.0	1.432439	Y
7	IC 410-474838/20	25.0	36.030652	10.0	703773.0	1.441226	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

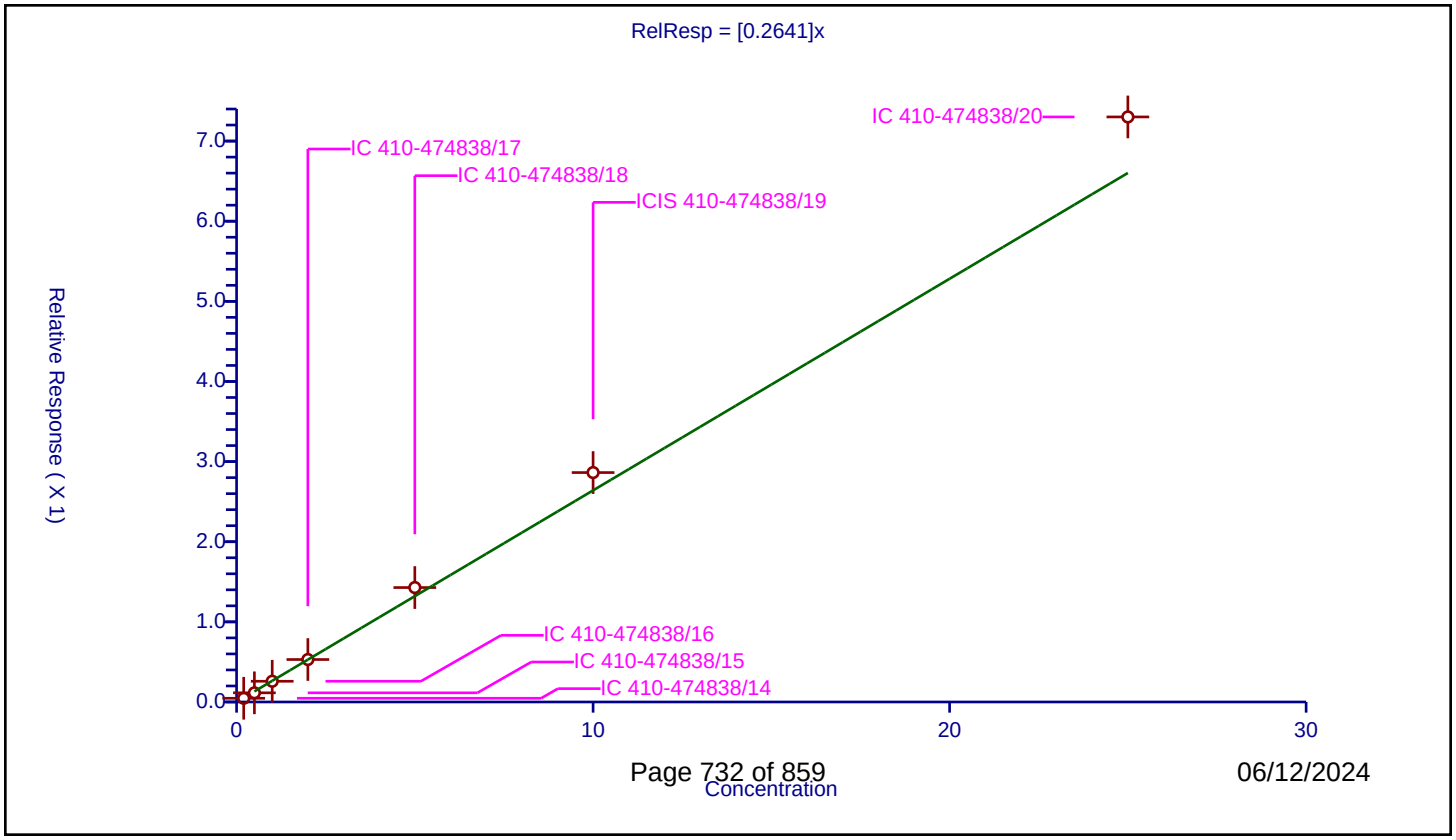
Curve Coefficients

Intercept:	0
Slope:	0.2641

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.046421	10.0	672757.0	0.232105	Y
2	IC 410-474838/15	0.5	0.114318	10.0	680555.0	0.228637	Y
3	IC 410-474838/16	1.0	0.258744	10.0	647591.0	0.258744	Y
4	IC 410-474838/17	2.0	0.529945	10.0	676316.0	0.264972	Y
5	IC 410-474838/18	5.0	1.428271	10.0	693132.0	0.285654	Y
6	ICIS 410-474838/19	10.0	2.863069	10.0	691129.0	0.286307	Y
7	IC 410-474838/20	25.0	7.301175	10.0	703773.0	0.292047	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

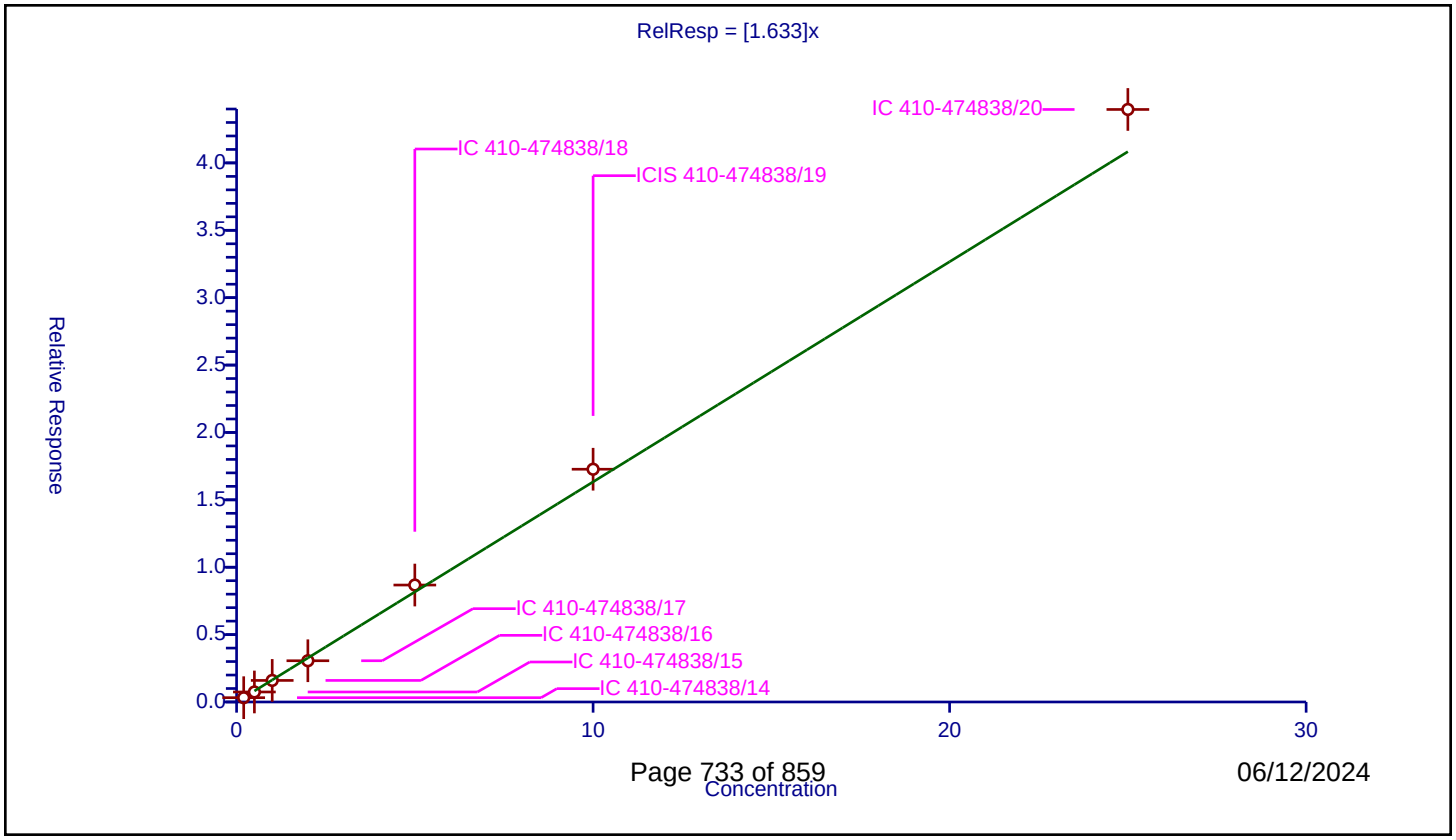
Curve Coefficients

Intercept:	0
Slope:	1.633

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.319149	10.0	672757.0	1.595747	Y
2	IC 410-474838/15	0.5	0.743129	10.0	680555.0	1.486258	Y
3	IC 410-474838/16	1.0	1.600532	10.0	647591.0	1.600532	Y
4	IC 410-474838/17	2.0	3.060182	10.0	676316.0	1.530091	Y
5	IC 410-474838/18	5.0	8.678145	10.0	693132.0	1.735629	Y
6	ICIS 410-474838/19	10.0	17.271074	10.0	691129.0	1.727107	Y
7	IC 410-474838/20	25.0	43.966293	10.0	703773.0	1.758652	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

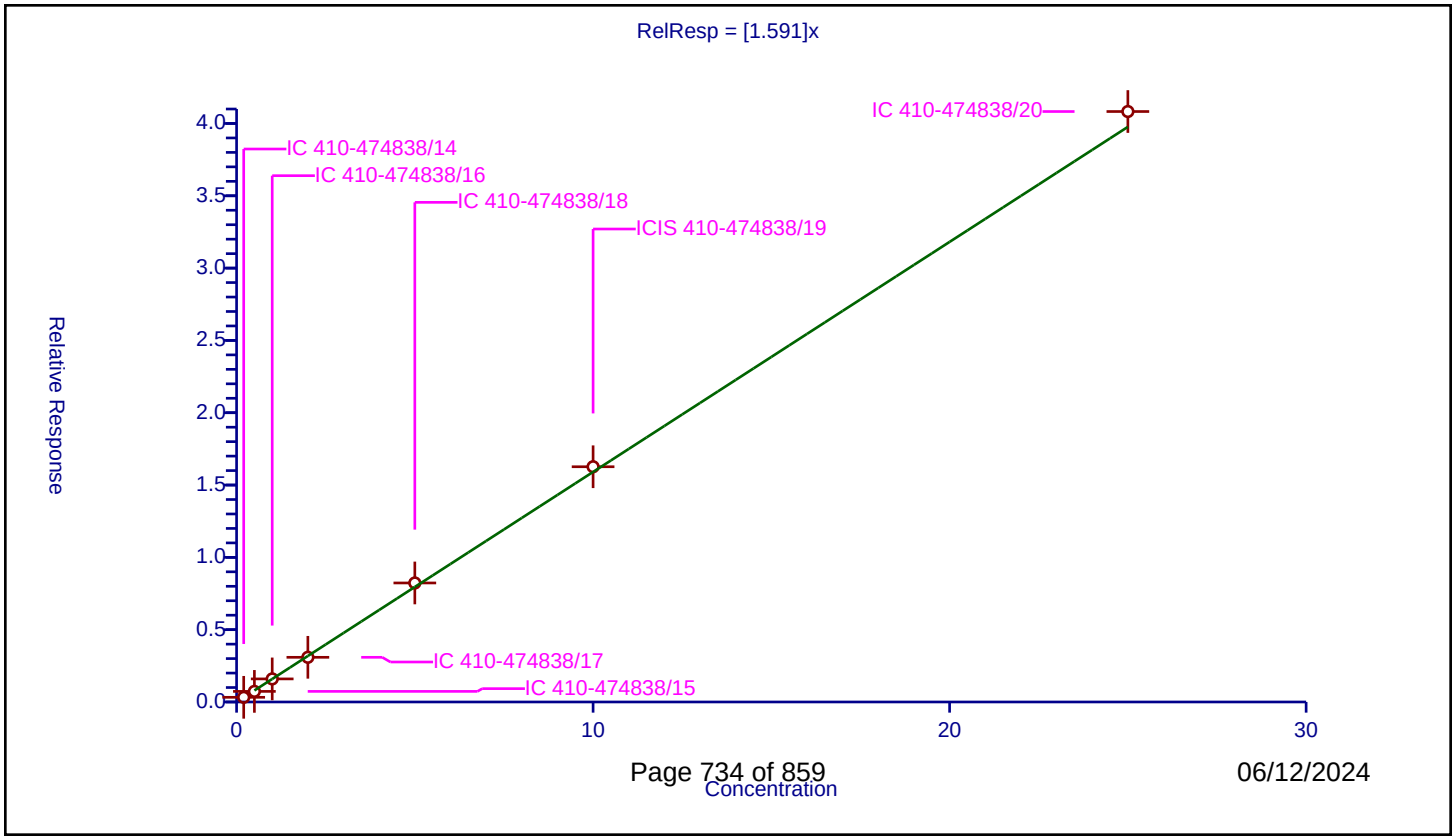
Curve Coefficients

Intercept:	0
Slope:	1.591

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.324396	10.0	672757.0	1.621982	Y
2	IC 410-474838/15	0.5	0.733108	10.0	680555.0	1.466215	Y
3	IC 410-474838/16	1.0	1.59559	10.0	647591.0	1.59559	Y
4	IC 410-474838/17	2.0	3.08931	10.0	676316.0	1.544655	Y
5	IC 410-474838/18	5.0	8.229933	10.0	693132.0	1.645987	Y
6	ICIS 410-474838/19	10.0	16.265126	10.0	691129.0	1.626513	Y
7	IC 410-474838/20	25.0	40.827227	10.0	703773.0	1.633089	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

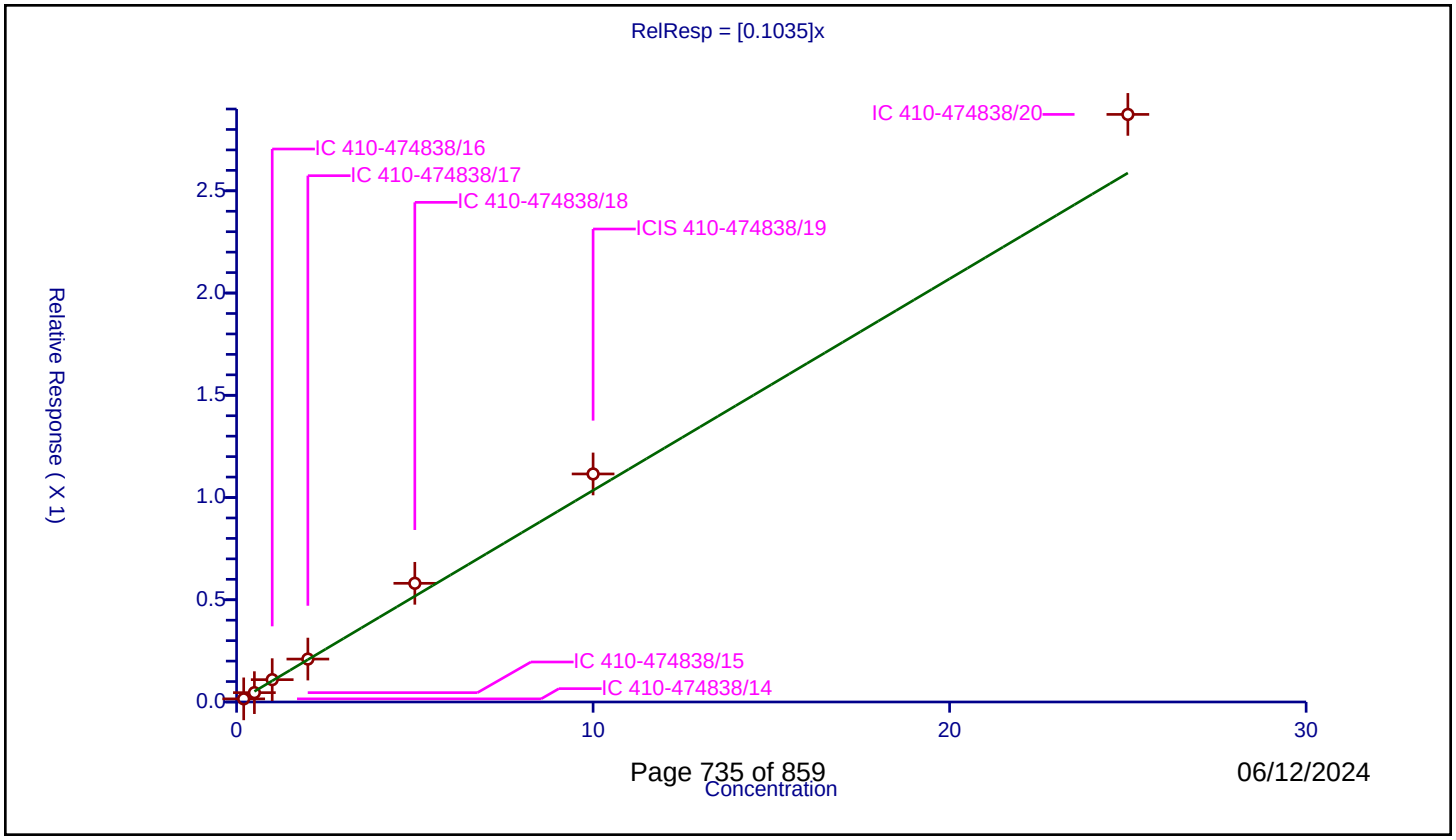
Curve Coefficients

Intercept:	0
Slope:	0.1035

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.015266	10.0	672757.0	0.076328	Y
2	IC 410-474838/15	0.5	0.045669	10.0	680555.0	0.091337	Y
3	IC 410-474838/16	1.0	0.10922	10.0	647591.0	0.10922	Y
4	IC 410-474838/17	2.0	0.209902	10.0	676316.0	0.104951	Y
5	IC 410-474838/18	5.0	0.580438	10.0	693132.0	0.116088	Y
6	ICIS 410-474838/19	10.0	1.115291	10.0	691129.0	0.111529	Y
7	IC 410-474838/20	25.0	2.873597	10.0	703773.0	0.114944	Y



Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

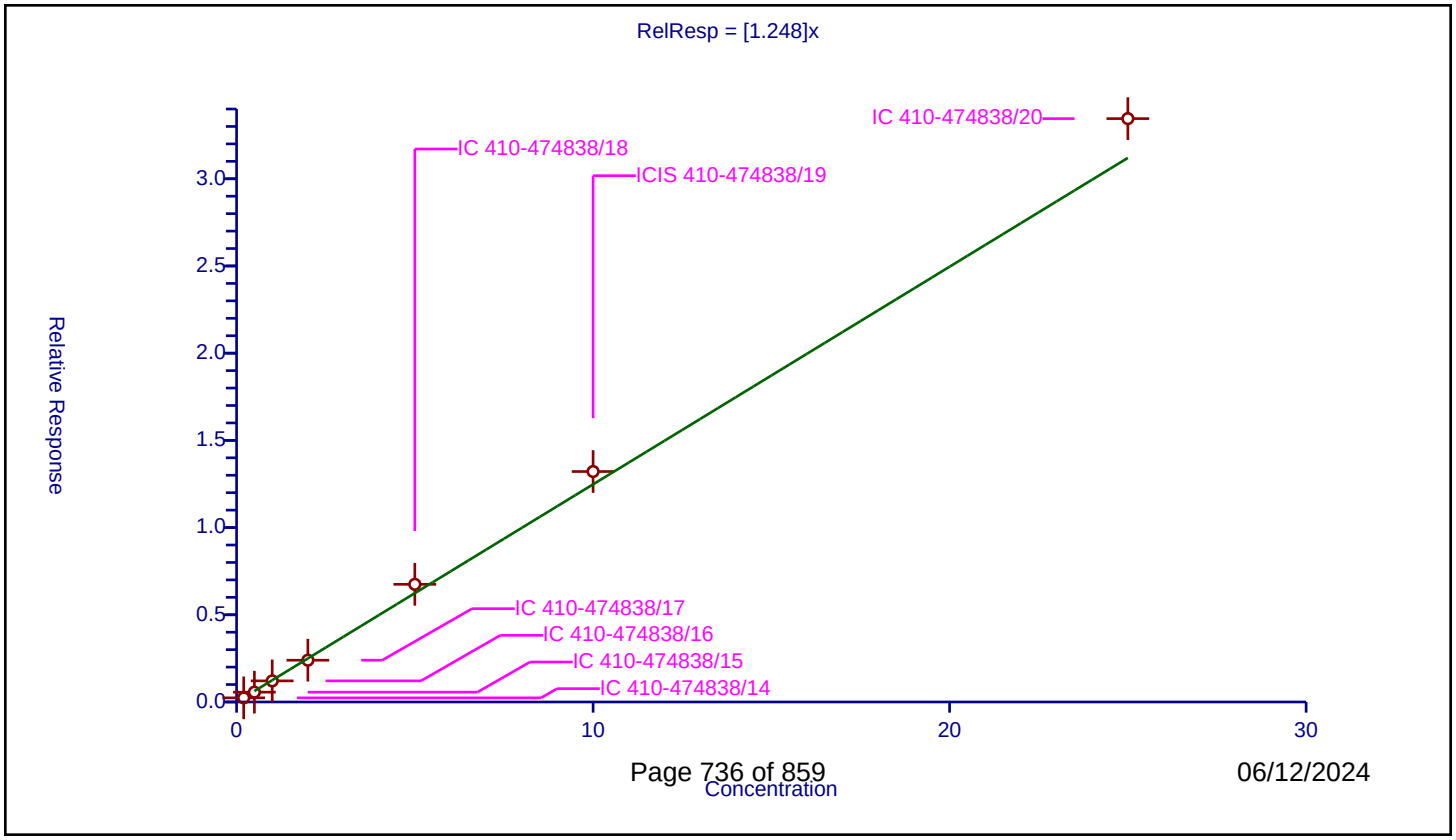
Curve Coefficients

Intercept:	0
Slope:	1.248

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.238258	10.0	672757.0	1.191292	Y
2	IC 410-474838/15	0.5	0.563261	10.0	680555.0	1.126522	Y
3	IC 410-474838/16	1.0	1.210764	10.0	647591.0	1.210764	Y
4	IC 410-474838/17	2.0	2.395921	10.0	676316.0	1.197961	Y
5	IC 410-474838/18	5.0	6.746738	10.0	693132.0	1.349348	Y
6	ICIS 410-474838/19	10.0	13.215246	10.0	691129.0	1.321525	Y
7	IC 410-474838/20	25.0	33.449138	10.0	703773.0	1.337966	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

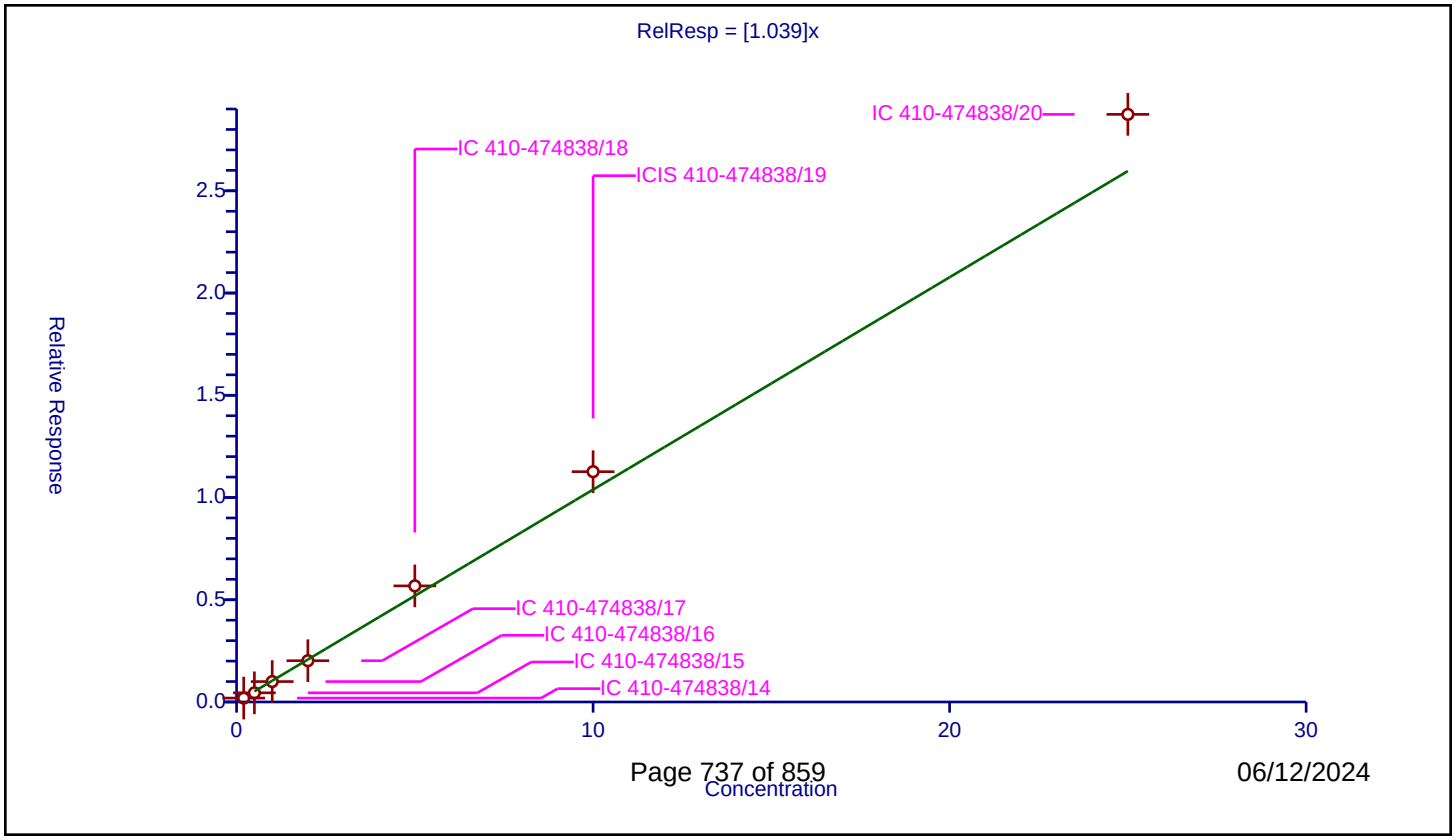
Curve Coefficients

Intercept:	0
Slope:	1.039

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.191035	10.0	672757.0	0.955174	Y
2	IC 410-474838/15	0.5	0.447693	10.0	680555.0	0.895387	Y
3	IC 410-474838/16	1.0	0.998948	10.0	647591.0	0.998948	Y
4	IC 410-474838/17	2.0	2.018199	10.0	676316.0	1.009099	Y
5	IC 410-474838/18	5.0	5.67788	10.0	693132.0	1.135576	Y
6	ICIS 410-474838/19	10.0	11.263816	10.0	691129.0	1.126382	Y
7	IC 410-474838/20	25.0	28.737888	10.0	703773.0	1.149516	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

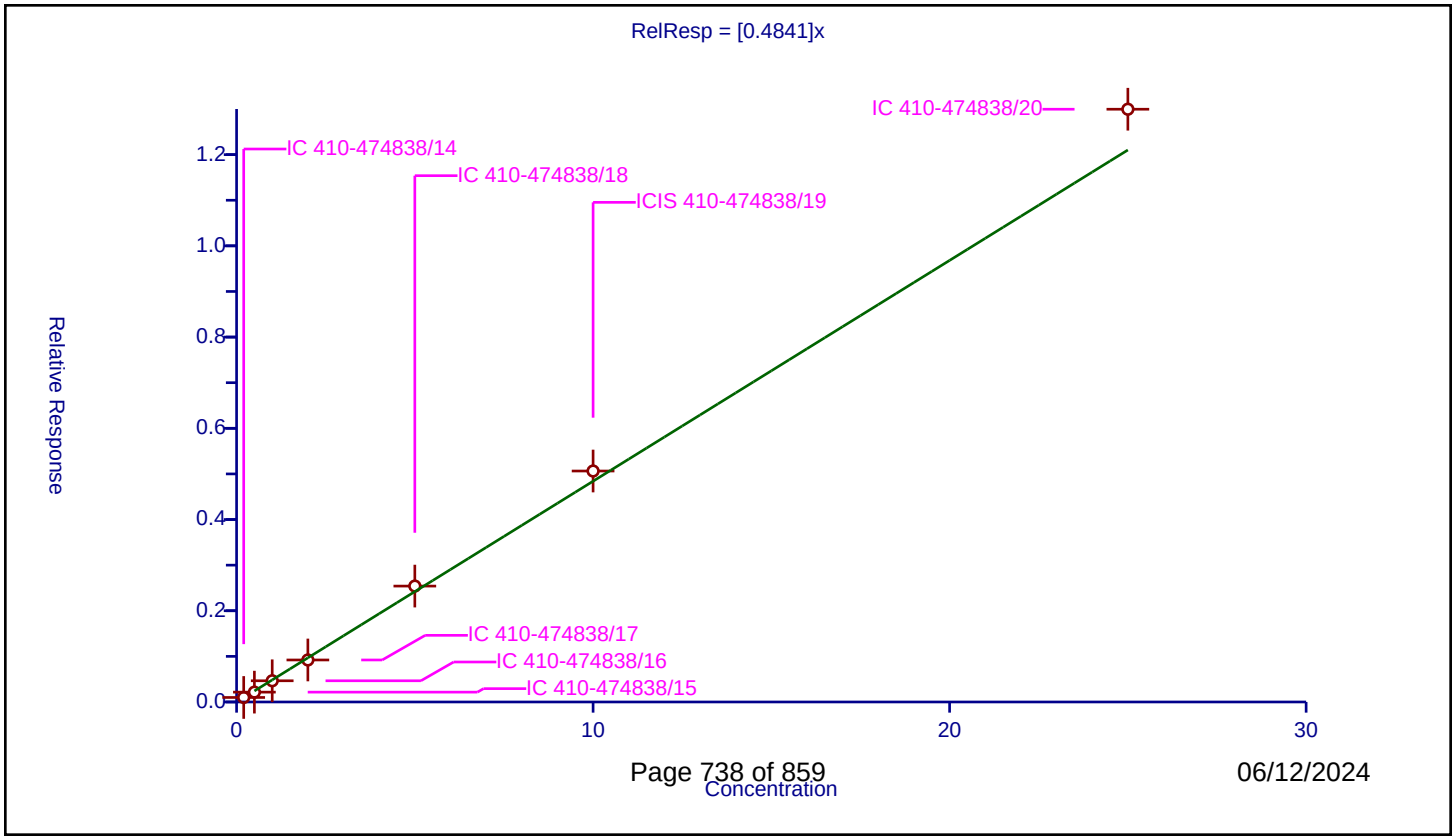
Curve Coefficients

Intercept:	0
Slope:	0.4841

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.099278	10.0	672757.0	0.49639	Y
2	IC 410-474838/15	0.5	0.215839	10.0	680555.0	0.431677	Y
3	IC 410-474838/16	1.0	0.465325	10.0	647591.0	0.465325	Y
4	IC 410-474838/17	2.0	0.921226	10.0	676316.0	0.460613	Y
5	IC 410-474838/18	5.0	2.541262	10.0	693132.0	0.508252	Y
6	ICIS 410-474838/19	10.0	5.063671	10.0	691129.0	0.506367	Y
7	IC 410-474838/20	25.0	12.995469	10.0	703773.0	0.519819	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

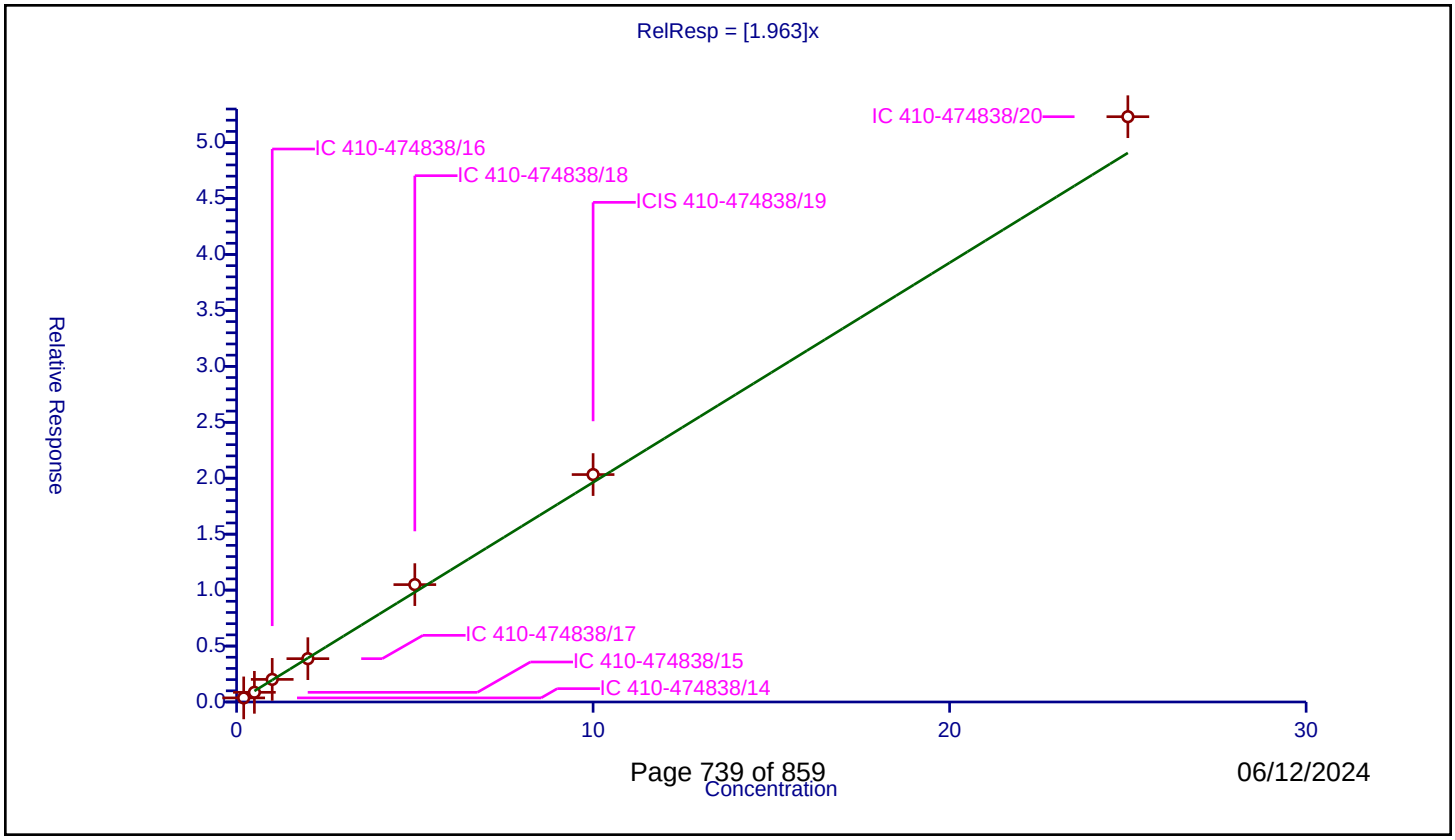
Curve Coefficients

Intercept:	0
Slope:	1.963

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.366908	10.0	672757.0	1.834541	Y
2	IC 410-474838/15	0.5	0.864148	10.0	680555.0	1.728295	Y
3	IC 410-474838/16	1.0	2.018867	10.0	647591.0	2.018867	Y
4	IC 410-474838/17	2.0	3.871297	10.0	676316.0	1.935648	Y
5	IC 410-474838/18	5.0	10.490585	10.0	693132.0	2.098117	Y
6	ICIS 410-474838/19	10.0	20.326958	10.0	691129.0	2.032696	Y
7	IC 410-474838/20	25.0	52.313345	10.0	703773.0	2.092534	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

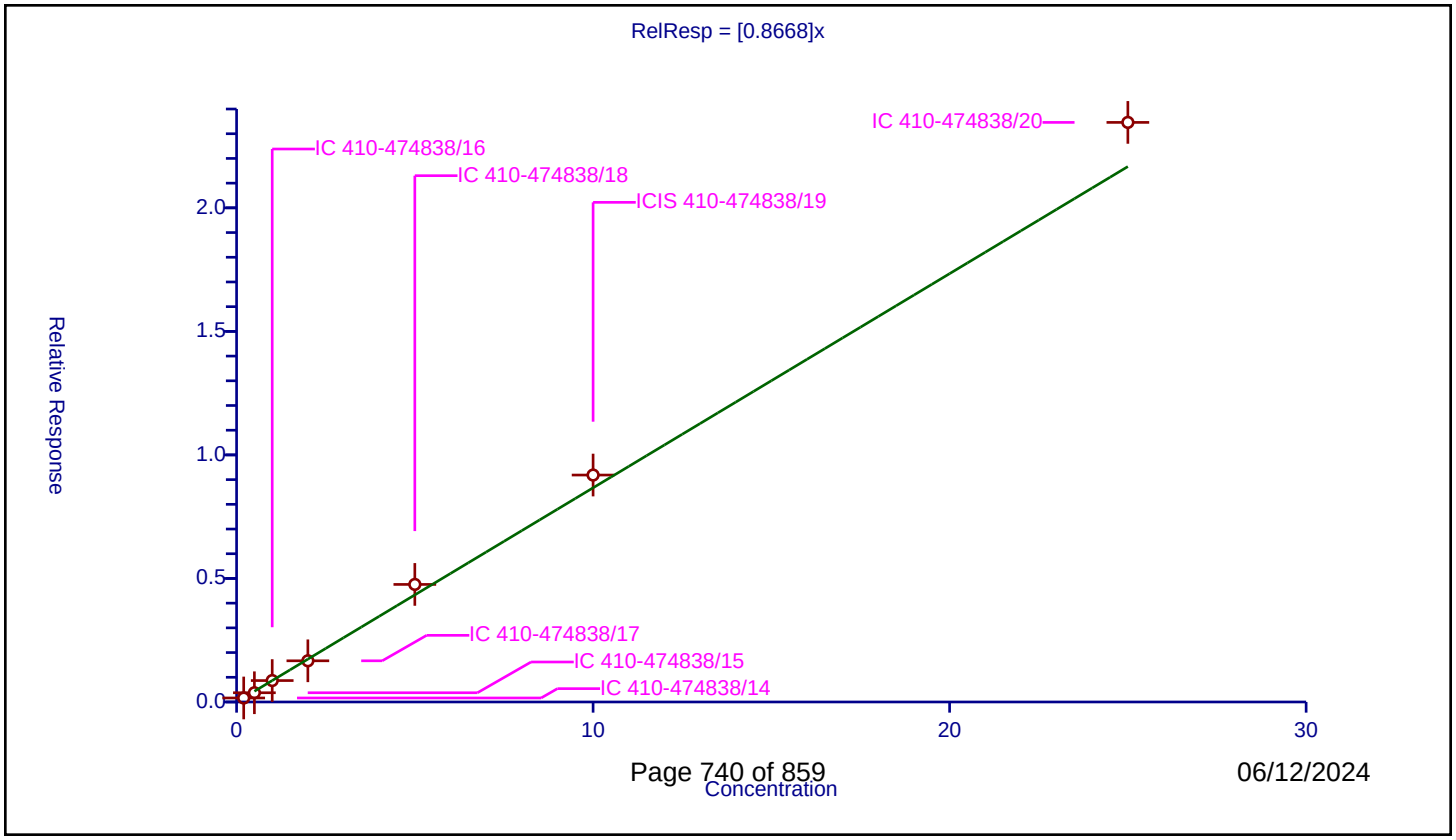
Curve Coefficients

Intercept:	0
Slope:	0.8668

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-474838/14	0.2	0.161916	10.0	672757.0	0.809579	Y
2	IC 410-474838/15	0.5	0.37443	10.0	680555.0	0.748859	Y
3	IC 410-474838/16	1.0	0.867538	10.0	647591.0	0.867538	Y
4	IC 410-474838/17	2.0	1.666736	10.0	676316.0	0.833368	Y
5	IC 410-474838/18	5.0	4.758084	10.0	693132.0	0.951617	Y
6	ICIS 410-474838/19	10.0	9.185449	10.0	691129.0	0.918545	Y
7	IC 410-474838/20	25.0	23.458033	10.0	703773.0	0.938321	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Lab Sample ID: ICV 410-474835/21 Calibration Date: 02/20/2024 05:37

Instrument ID: 16334 Calib Start Date: 02/20/2024 02:41

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2024 04:53

Lab File ID: FEB19X20.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	0.3175	0.3037	0.1000	4.78	5.00	-4.3	30.0
Chloromethane	Ave	0.3006	0.2687	0.1000	4.47	5.00	-10.6	30.0
Vinyl chloride	Ave	0.2961	0.2745	0.1000	4.63	5.00	-7.3	30.0
1,3-Butadiene	Ave	0.2890	0.2509		4.34	5.00	-13.2	30.0
Bromomethane	Ave	0.2291	0.2154	0.1000	4.70	5.00	-6.0	30.0
Chloroethane	Ave	0.1749	0.1705	0.1000	4.87	5.00	-2.6	30.0
Dichlorofluoromethane	Ave	0.5049	0.4353		4.31	5.00	-13.8	30.0
Trichlorofluoromethane	Ave	0.4067	0.4080	0.1000	5.02	5.00	0.3	30.0
Pentane	None					5.00		30.0
Ethyl ether	Ave	0.1341	0.1247		4.64	4.99	-7.0	30.0
Freon 123a	Ave	0.2757	0.2696		4.89	5.00	-2.2	30.0
Acrolein	Ave	1.902	2.032		40.1	37.5	6.9	30.0
1,1-Dichloroethene	Ave	0.2029	0.2058	0.1000	5.07	5.00	1.4	30.0
Acetone	Ave	2.756	2.604	0.1000	59.1	62.5	-5.5	30.0
Freon 113	Ave	0.2092	0.1927	0.1000	4.61	5.00	-7.9	30.0
Methyl iodide	Ave	0.4203	0.3969		4.72	5.00	-5.6	30.0
Ethyl bromide	Ave	0.1856	0.1829		4.82	4.89	-1.5	30.0
Carbon disulfide	Ave	0.6912	0.6300	0.1000	4.56	5.00	-8.9	30.0
Methyl acetate	Ave	7.878	6.334	0.1000	4.02	5.00	-19.6	30.0
Allyl chloride	Ave	0.3357	0.3136		4.67	5.00	-6.6	30.0
Methylene Chloride	Ave	0.2213	0.2223	0.1000	5.02	5.00	0.5	30.0
t-Butyl alcohol	Ave	0.9792	0.8870		45.3	50.0	-9.4	30.0
Acrylonitrile	Ave	3.333	3.585		26.9	25.0	7.6	30.0
Methyl tert-butyl ether	Ave	0.4870	0.4611	0.1000	4.73	5.00	-5.3	30.0
trans-1,2-Dichloroethene	Ave	0.2437	0.2465	0.1000	5.06	5.00	1.2	30.0
n-Hexane	Ave	0.2737	0.2757		5.04	5.00	0.7	30.0
1,1-Dichloroethane	Ave	0.4089	0.4197	0.2000	5.13	5.00	2.7	30.0
di-Isopropyl ether	Ave	0.6816	0.6692		4.91	5.00	-1.8	30.0
2-Chloro-1,3-butadiene	Ave	0.3488	0.3575		5.12	5.00	2.5	30.0
Ethyl t-butyl ether	Ave	0.6341	0.6303		4.97	5.00	-0.6	30.0
2-Butanone (MEK)	Ave	4.323	4.344	0.1000	62.8	62.5	0.5	30.0
cis-1,2-Dichloroethene	Ave	0.2726	0.2758	0.1000	5.06	5.00	1.2	30.0
2,2-Dichloropropane	Ave	0.3802	0.3929		5.17	5.00	3.3	30.0
Propionitrile	Ave	1.222	1.319		40.5	37.5	8.0	30.0
Methacrylonitrile	Ave	4.617	4.859		39.5	37.5	5.2	30.0
Bromochloromethane	Ave	0.1061	0.1123		5.29	5.00	5.8	30.0
Tetrahydrofuran	Ave	1.234	1.308		26.5	25.0	6.0	30.0
Chloroform	Ave	0.4507	0.4573	0.2000	5.07	5.00	1.5	30.0
1,1,1-Trichloroethane	Ave	0.3980	0.4284	0.1000	5.38	5.00	7.6	30.0
Cyclohexane	Ave	0.3452	0.3498	0.1000	5.07	5.00	1.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Lab Sample ID: ICV 410-474835/21 Calibration Date: 02/20/2024 05:37

Instrument ID: 16334 Calib Start Date: 02/20/2024 02:41

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2024 04:53

Lab File ID: FEB19X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.3496	0.3776	0.1000	5.40	5.00	8.0	30.0
1,1-Dichloropropene	Ave	0.3221	0.3391		5.26	5.00	5.3	30.0
Isobutyl alcohol	Ave	0.0026	0.0022		103	125	-17.5	30.0
Benzene	Ave	0.9655	0.9907	0.5000	5.13	5.00	2.6	30.0
1,2-Dichloroethane	Ave	0.2464	0.2385	0.1000	4.84	5.00	-3.2	30.0
t-Amyl methyl ether	Ave	0.5416	0.5411		4.99	5.00	-0.1	30.0
n-Heptane	Ave	0.2851	0.3012		5.28	5.00	5.6	30.0
n-Butanol	Ave	0.2210	0.2186		247	250	-1.1	30.0
Trichloroethene	Ave	0.2685	0.2815	0.2000	5.24	5.00	4.8	30.0
Methylcyclohexane	Ave	0.3782	0.4020	0.1000	5.31	5.00	6.3	30.0
1,2-Dichloropropane	Ave	0.2264	0.2317	0.1000	5.12	5.00	2.3	30.0
Methyl methacrylate	Ave	8.634	8.614		4.99	5.00	-0.2	30.0
1,4-Dioxane	Ave	0.0730	0.0731	0.0050	125	125	0.0	30.0
Dibromomethane	Ave	0.1074	0.1084		5.04	5.00	0.9	30.0
Bromodichloromethane	Ave	0.2947	0.3097	0.2000	5.25	5.00	5.1	30.0
2-Nitropropane	Ave	3.089	2.898		4.69	5.00	-6.2	30.0
1-Bromo-2-chloroethane	Ave	0.1927	0.1995		5.18	5.00	3.5	30.0
cis-1,3-Dichloropropene	Ave	0.3358	0.3398	0.2000	5.06	5.00	1.2	30.0
4-Methyl-2-pentanone (MIBK)	Ave	10.86	11.42	0.1000	65.7	62.5	5.2	30.0
Toluene	Ave	0.8680	0.8988	0.4000	5.18	5.00	3.6	30.0
trans-1,3-Dichloropropene	Ave	0.3551	0.3678	0.1000	5.18	5.00	3.6	30.0
Ethyl methacrylate	Ave	0.2369	0.2481		5.24	5.00	4.7	30.0
1,1,2-Trichloroethane	Ave	0.1972	0.2062	0.1000	5.23	5.00	4.6	30.0
Tetrachloroethene	Ave	0.4133	0.4465	0.2000	5.40	5.00	8.0	30.0
1,3-Dichloropropane	Ave	0.3351	0.3373		5.03	5.00	0.6	30.0
2-Hexanone	Ave	6.750	7.718	0.1000	71.5	62.5	14.3	30.0
Dibromochloromethane	Ave	0.2644	0.2761		5.22	5.00	4.4	30.0
1,2-Dibromoethane (EDB)	Ave	0.1867	0.1933	0.1000	5.18	5.00	3.5	30.0
1-Chlorohexane	Ave	0.4849	0.4757		4.90	5.00	-1.9	30.0
Chlorobenzene	Ave	0.9841	1.027	0.5000	5.22	5.00	4.4	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3511	0.3695		5.26	5.00	5.2	30.0
Ethylbenzene	Ave	1.722	1.826	0.1000	5.30	5.00	6.1	30.0
m&p-Xylene	Ave	0.6776	0.7154	0.1000	10.6	10.0	5.6	30.0
o-Xylene	Ave	0.6712	0.6959	0.3000	5.18	5.00	3.7	30.0
Styrene	Ave	1.047	1.122	0.3000	5.36	5.00	7.1	30.0
Bromoform	Ave	0.1557	0.1615	0.1000	5.18	5.00	3.7	30.0
Isopropylbenzene	Ave	1.641	1.876	0.1000	5.71	5.00	14.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4029	0.3944	0.3000	4.89	5.00	-2.1	30.0
Bromobenzene	Ave	0.7558	0.7731		5.11	5.00	2.3	30.0
trans-1,4-Dichloro-2-butene	Ave	5.030	5.210		25.9	25.0	3.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Lab Sample ID: ICV 410-474835/21 Calibration Date: 02/20/2024 05:37

Instrument ID: 16334 Calib Start Date: 02/20/2024 02:41

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2024 04:53

Lab File ID: FEB19X20.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	0.1140	0.1189		5.22	5.00	4.3	30.0
N-Propylbenzene	Ave	3.613	3.797		5.25	5.00	5.1	30.0
2-Chlorotoluene	Ave	0.7764	0.7927		5.10	5.00	2.1	30.0
1,3,5-Trimethylbenzene	Ave	2.669	2.798		5.24	5.00	4.8	30.0
4-Chlorotoluene	Ave	0.8016	0.8288		5.17	5.00	3.4	30.0
tert-Butylbenzene	Ave	0.6131	0.6488		5.29	5.00	5.8	30.0
Pentachloroethane	Ave	0.4485	0.4623		5.15	5.00	3.1	30.0
1,2,4-Trimethylbenzene	Ave	2.754	2.839		5.15	5.00	3.1	30.0
sec-Butylbenzene	Ave	3.427	3.607		5.26	5.00	5.2	30.0
1,3-Dichlorobenzene	Ave	1.579	1.620	0.6000	5.13	5.00	2.6	30.0
p-Isopropyltoluene	Ave	3.043	3.176		5.22	5.00	4.4	30.0
1,4-Dichlorobenzene	Ave	1.606	1.636	0.5000	5.09	5.00	1.8	30.0
1,2,3-Trimethylbenzene	Ave	1.238	1.192		4.81	5.00	-3.7	30.0
Benzyl chloride	Ave	0.1752	0.1783		5.09	5.00	1.8	30.0
n-Butylbenzene	Ave	1.513	1.614		5.34	5.00	6.7	30.0
1,2-Dichlorobenzene	Ave	1.386	1.409	0.4000	5.08	5.00	1.7	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0554	0.0589	0.0500	5.31	5.00	6.1	30.0
1,3,5-Trichlorobenzene	Ave	1.270	1.313		5.17	5.00	3.3	30.0
1,2,4-Trichlorobenzene	Ave	0.9660	1.012	0.2000	5.24	5.00	4.7	30.0
Hexachlorobutadiene	Ave	0.5542	0.6105		5.51	5.00	10.2	30.0
Naphthalene	Ave	1.230	1.267		5.15	5.00	3.0	30.0
1,2,3-Trichlorobenzene	Ave	0.7146	0.7378		5.16	5.00	3.2	30.0
Dibromofluoromethane (Surr)	Ave	0.2388	0.2385		9.99	10.0	-0.1	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0432	0.0435		10.1	10.0	0.7	30.0
Toluene-d8 (Surr)	Ave	1.297	1.311		10.1	10.0	1.1	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4751	0.4768		10.0	10.0	0.4	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X20.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 20-Feb-2024 05:37:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106710-021
Misc. Info.: ICV
Operator ID: gaw91131 Instrument ID: 16334
Sublist:

Method: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Feb-2024 13:12:11 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 26-Feb-2024 10:31:36

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	2 Dichlorodifluoromethane	85	1.849	1.843	0.006	99	343040	5.00	4.78	
	5 Chloromethane	50	2.032	2.026	0.006	99	303431	5.00	4.47	
	6 Vinyl chloride	62	2.142	2.135	0.007	98	309992	5.00	4.63	
	7 Butadiene	39	2.148	2.135	0.013	93	283400	5.00	4.34	
	9 Bromomethane	94	2.446	2.440	0.006	91	243234	5.00	4.70	
	10 Chloroethane	64	2.526	2.513	0.013	100	192558	5.00	4.87	
	11 Dichlorofluoromethane	67	2.745	2.739	0.006	97	491706	5.00	4.31	
	12 Trichlorofluoromethane	101	2.818	2.812	0.006	98	460782	5.00	5.02	
	13 Ethyl ether	59	3.044	3.032	0.012	91	140562	4.99	4.64	
	16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.117	3.111	0.006	90	304476	5.00	4.89	
	17 Acrolein	56	3.202	3.190	0.012	98	155308	37.5	40.1	
	18 1,1-Dichloroethene	96	3.324	3.312	0.012	98	232419	5.00	5.07	
	19 Acetone	43	3.361	3.349	0.012	99	331596	62.5	59.1	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.361	3.355	0.006	88	217692	5.00	4.61	
	22 Iodomethane	142	3.501	3.495	0.006	99	448312	5.00	4.72	
	21 Isopropyl alcohol	45	3.519	3.519	0.000	28	34461	37.5	37.0	
	23 Ethyl bromide	108	3.532	3.519	0.013	99	202151	4.89	4.82	
	24 Carbon disulfide	76	3.599	3.592	0.007	99	711534	5.00	4.56	
	25 Methyl acetate	43	3.757	3.745	0.012	97	64516	5.00	4.02	M
	27 3-Chloro-1-propene	41	3.769	3.763	0.006	89	354173	5.00	4.67	
	29 Methylene Chloride	84	3.940	3.928	0.012	89	251051	5.00	5.02	
*	30 t-Butyl alcohol-d10 (IS)	65	3.964	3.952	0.012	98	101854	50.0	50.0	M
	31 2-Methyl-2-propanol	59	4.080	4.062	0.018	99	90347	50.0	45.3	
	32 Acrylonitrile	53	4.269	4.263	0.006	98	182582	25.0	26.9	
	33 Methyl tert-butyl ether	73	4.324	4.318	0.006	96	520743	5.00	4.73	
	34 trans-1,2-Dichloroethene	96	4.324	4.324	0.000	98	278442	5.00	5.06	
	35 Hexane	57	4.757	4.751	0.006	94	311411	5.00	5.04	
	37 1,1-Dichloroethane	63	4.989	4.982	0.007	96	474088	5.00	5.13	
	38 Isopropyl ether	45	5.056	5.050	0.006	93	755873	5.00	4.91	
	39 2-Chloro-1,3-butadiene	53	5.104	5.098	0.006	92	403783	5.00	5.12	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.592	5.586	0.006	97	711893	5.00	4.97	
41 2-Butanone (MEK)	43	5.812	5.812	0.000	100	553083	62.5	62.8	
42 cis-1,2-Dichloroethene	96	5.830	5.824	0.006	81	311515	5.00	5.06	
43 2,2-Dichloropropane	77	5.842	5.842	0.000	87	443794	5.00	5.17	
45 Propionitrile	54	5.897	5.897	0.000	97	100792	37.5	40.5	
48 Methacrylonitrile	67	6.116	6.110	0.006	91	371177	37.5	39.5	
49 Chlorobromomethane	128	6.159	6.153	0.006	86	126786	5.00	5.29	
50 Tetrahydrofuran	71	6.190	6.183	0.007	77	66608	25.0	26.5	
51 Chloroform	83	6.318	6.311	0.007	93	516532	5.00	5.07	
$ 52 Dibromofluoromethane (Surr)	113	6.531	6.525	0.006	94	538748	10.0	9.99	
53 1,1,1-Trichloroethane	97	6.537	6.537	0.000	97	483821	5.00	5.38	
54 Cyclohexane	56	6.641	6.635	0.006	90	395079	5.00	5.07	
55 Carbon tetrachloride	117	6.750	6.750	0.000	97	426443	5.00	5.40	
56 1,1-Dichloropropene	75	6.763	6.757	0.007	96	383028	5.00	5.26	
58 Isobutyl alcohol	41	6.946	6.939	0.007	90	61520	125.0	103.1	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.982	6.982	0.000	80	98294	10.0	10.1	
60 Benzene	78	7.019	7.019	0.000	97	1118991	5.00	5.13	
61 1,2-Dichloroethane	62	7.092	7.086	0.006	98	269425	5.00	4.84	
63 Tert-amyl methyl ether	73	7.220	7.220	0.000	98	611103	5.00	4.99	
* 64 Fluorobenzene (IS)	96	7.433	7.427	0.006	99	2258924	10.0	10.0	
65 n-Heptane	43	7.452	7.439	0.013	90	340144	5.00	5.28	
67 n-Butanol	56	7.842	7.842	0.000	91	111304	250.0	247.2	
68 Trichloroethene	95	7.915	7.909	0.006	98	317960	5.00	5.24	
69 Methylcyclohexane	83	8.220	8.214	0.006	91	454078	5.00	5.31	
70 1,2-Dichloropropane	63	8.244	8.238	0.006	93	261658	5.00	5.12	
71 2-ethoxy-2-methyl butane	87	8.262	8.262	0.000	93	416546	5.00	4.77	
72 Methyl methacrylate	69	8.348	8.348	0.000	90	87733	5.00	4.99	
73 1,4-Dioxane	88	8.354	8.348	0.006	30	18608	125.0	125.1	M
74 Dibromomethane	93	8.354	8.354	0.000	93	122388	5.00	5.04	
76 Dichlorobromomethane	83	8.592	8.592	0.000	99	349757	5.00	5.25	
77 2-Nitropropane	41	8.878	8.872	0.006	98	29518	5.00	4.69	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	98	225342	5.00	5.18	
81 cis-1,3-Dichloropropene	75	9.159	9.152	0.006	95	383846	5.00	5.06	
82 4-Methyl-2-pentanone (MIBK)	43	9.354	9.347	0.007	97	1454447	62.5	65.7	
$ 83 Toluene-d8 (Surr)	98	9.476	9.475	0.001	94	2219585	10.0	10.1	
84 Toluene	92	9.555	9.555	0.000	98	760905	5.00	5.18	
85 trans-1,3-Dichloropropene	75	9.829	9.829	0.000	94	311330	5.00	5.18	
86 Ethyl methacrylate	69	9.902	9.902	0.000	88	210026	5.00	5.24	
107 1,1,2-Trichloroethane	97	10.036	10.036	0.000	91	174592	5.00	5.23	
108 Tetrachloroethene	166	10.128	10.122	0.006	99	377990	5.00	5.40	
109 1,3-Dichloropropane	76	10.201	10.201	0.000	92	285521	5.00	5.03	
110 2-Hexanone	43	10.268	10.274	-0.006	97	982588	62.5	71.5	
112 Chlorodibromomethane	129	10.420	10.420	0.000	90	233751	5.00	5.22	
113 Ethylene Dibromide	107	10.530	10.530	0.000	99	163612	5.00	5.18	
* 114 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	85	1693124	10.0	10.0	
115 1-Chlorohexane	91	10.987	10.987	0.000	97	402706	5.00	4.90	
116 Chlorobenzene	112	11.000	11.000	0.000	95	869687	5.00	5.22	
117 1,1,1,2-Tetrachloroethane	131	11.085	11.085	0.000	95	312827	5.00	5.26	
118 Ethylbenzene	91	11.091	11.091	0.000	98	1546195	5.00	5.30	
120 m-Xylene & p-Xylene	106	11.207	11.213	-0.006	100	1211206	10.0	10.6	
121 o-Xylene	106	11.542	11.542	0.000	97	589152	5.00	5.18	
122 Styrene	104	11.560	11.560	0.000	95	949429	5.00	5.36	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Bromoform	173	11.713	11.713	0.000	97	136680	5.00	5.18	
124 Isopropylbenzene	105	11.847	11.847	0.000	96	1588112	5.00	5.71	
$ 127 4-Bromofluorobenzene (Surr)	95	11.987	11.987	0.000	93	807332	10.0	10.0	
128 1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	95	191571	5.00	4.89	
129 Bromobenzene	156	12.103	12.103	0.000	92	375529	5.00	5.11	
130 trans-1,4-Dichloro-2-butene	53	12.121	12.121	0.000	94	265315	25.0	25.9	
131 1,2,3-Trichloropropane	110	12.140	12.140	0.000	82	57761	5.00	5.22	
132 N-Propylbenzene	91	12.176	12.176	0.000	99	1844393	5.00	5.25	
133 2-Chlorotoluene	126	12.255	12.255	0.000	97	385038	5.00	5.10	
134 1,3,5-Trimethylbenzene	105	12.316	12.316	0.000	95	1358972	5.00	5.24	
135 4-Chlorotoluene	126	12.347	12.347	0.000	98	402591	5.00	5.17	
136 tert-Butylbenzene	134	12.560	12.560	0.000	93	315159	5.00	5.29	
137 Pentachloroethane	167	12.591	12.591	0.000	93	224557	5.00	5.15	
138 1,2,4-Trimethylbenzene	105	12.603	12.603	0.000	97	1378872	5.00	5.15	
139 sec-Butylbenzene	105	12.725	12.725	0.000	94	1752012	5.00	5.26	
140 1,3-Dichlorobenzene	146	12.822	12.822	0.000	99	786828	5.00	5.13	
141 4-Isopropyltoluene	119	12.835	12.835	0.000	97	1542628	5.00	5.22	
* 142 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	94	971483	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.896	12.896	0.000	95	794535	5.00	5.09	
144 1,2,3-Trimethylbenzene	120	12.908	12.908	0.000	98	578801	5.00	4.81	
145 Benzyl chloride	126	12.975	12.975	0.000	98	86620	5.00	5.09	
146 p-Diethylbenzene	119	13.036	13.036	0.000	91	904164	5.00	5.20	
147 n-Butylbenzene	92	13.127	13.127	0.000	97	784206	5.00	5.34	
148 1,2-Dichlorobenzene	146	13.158	13.158	0.000	99	684429	5.00	5.08	
150 1,2-Dibromo-3-Chloropropane	155	13.700	13.700	0.000	86	28587	5.00	5.31	
151 1,3,5-Trichlorobenzene	180	13.822	13.822	0.000	98	637619	5.00	5.17	
152 1,2,4-Trichlorobenzene	180	14.249	14.249	0.000	94	491353	5.00	5.24	
153 Hexachlorobutadiene	225	14.328	14.328	0.000	97	296522	5.00	5.51	
154 Naphthalene	128	14.426	14.432	-0.006	97	615365	5.00	5.15	
155 1,2,3-Trichlorobenzene	180	14.572	14.572	0.000	95	358378	5.00	5.16	
156 2-Methylnaphthalene	142	15.176	15.176	0.000	91	219102	5.00	5.50	
167 Pentane	43	2.843	2.830	0.013	96	304348	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_Penta_00039	Amount Added:	12.50	Units: uL	
MSV_LCS_VOC#1_00154	Amount Added:	12.50	Units: uL	
LCS_ETBR_00007	Amount Added:	12.50	Units: uL	
MSV_QC_Gas826_00184	Amount Added:	12.50	Units: uL	
MSV_LCS_ACROL_00155	Amount Added:	12.50	Units: uL	
MSV_LCS_EE_00008	Amount Added:	12.50	Units: uL	
MSV_HP25_ISSS_00084	Amount Added:	1.00	Units: uL	Run Reagent

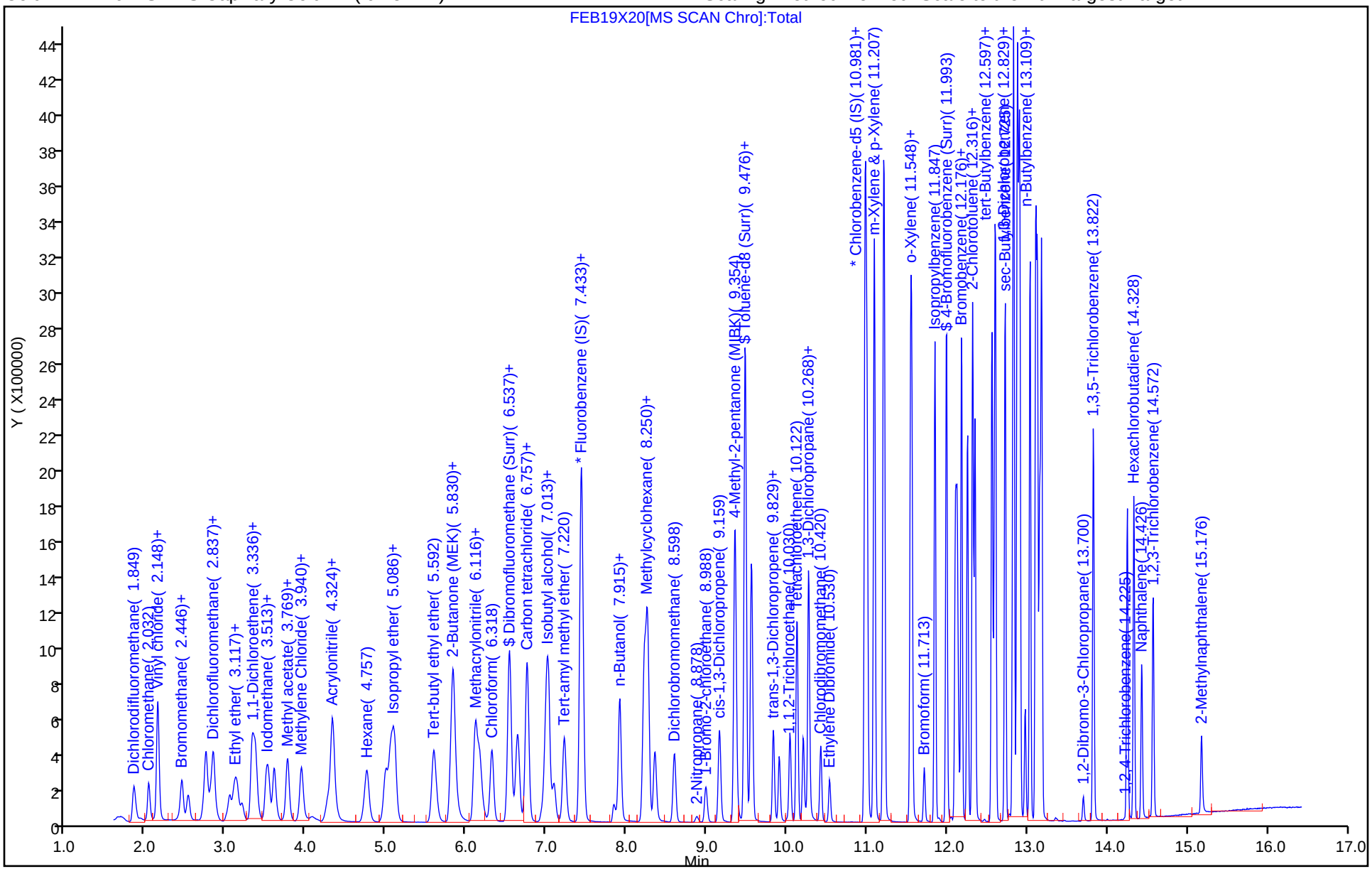
Report Date: 26-Feb-2024 13:13:14 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X20.D

Injection Date:	20-Feb-2024 05:37:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	ICV			Worklist Smp#:	21
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

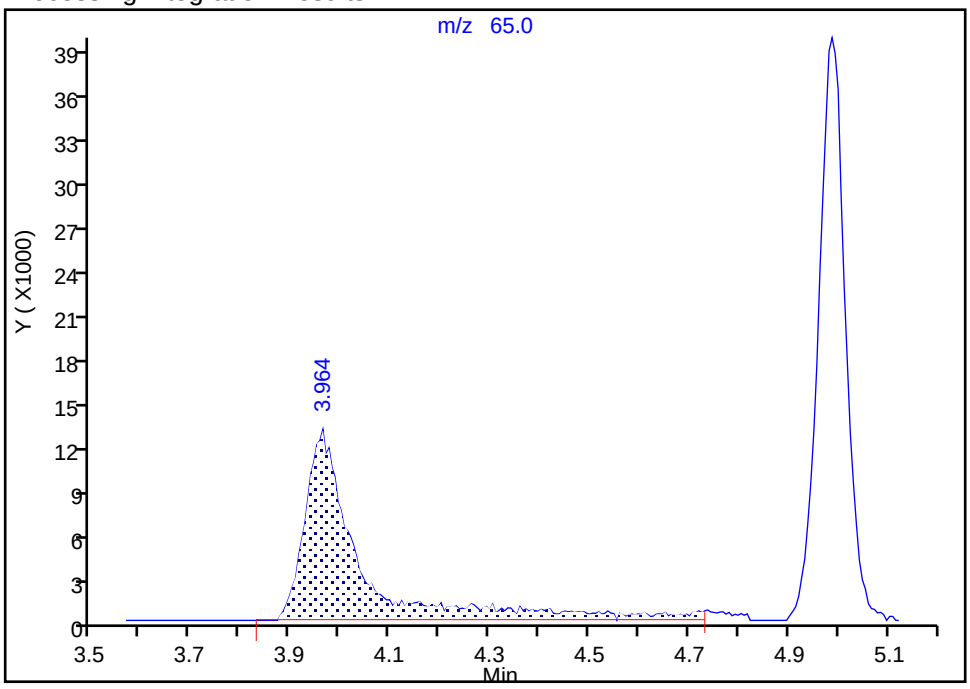
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X20.D
Injection Date: 20-Feb-2024 05:37:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

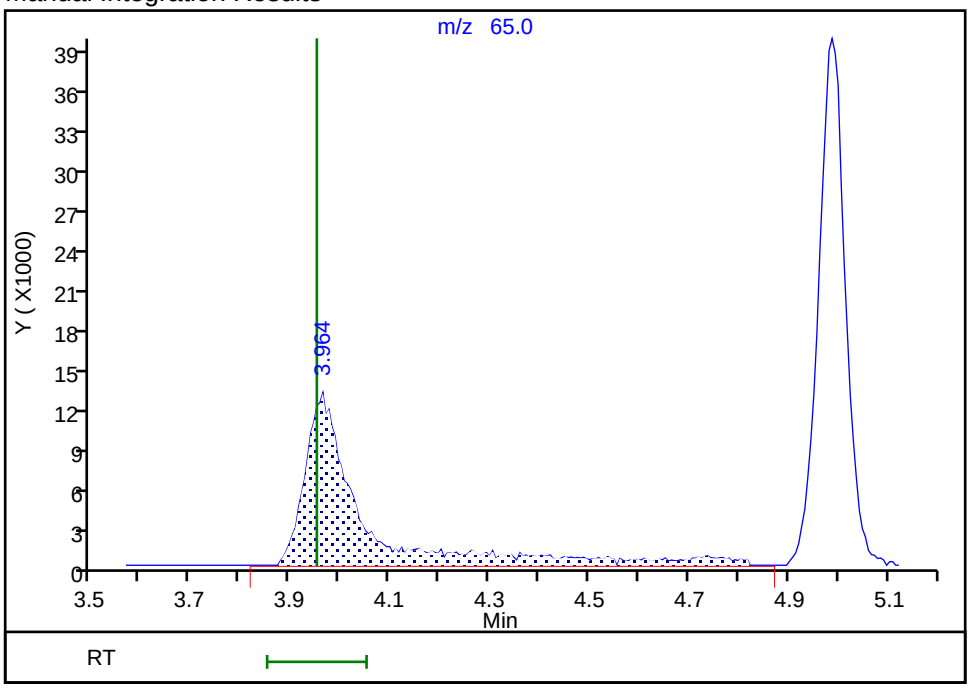
Processing Integration Results

RT: 3.96
Area: 99374
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.96
Area: 101854
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:30:47 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

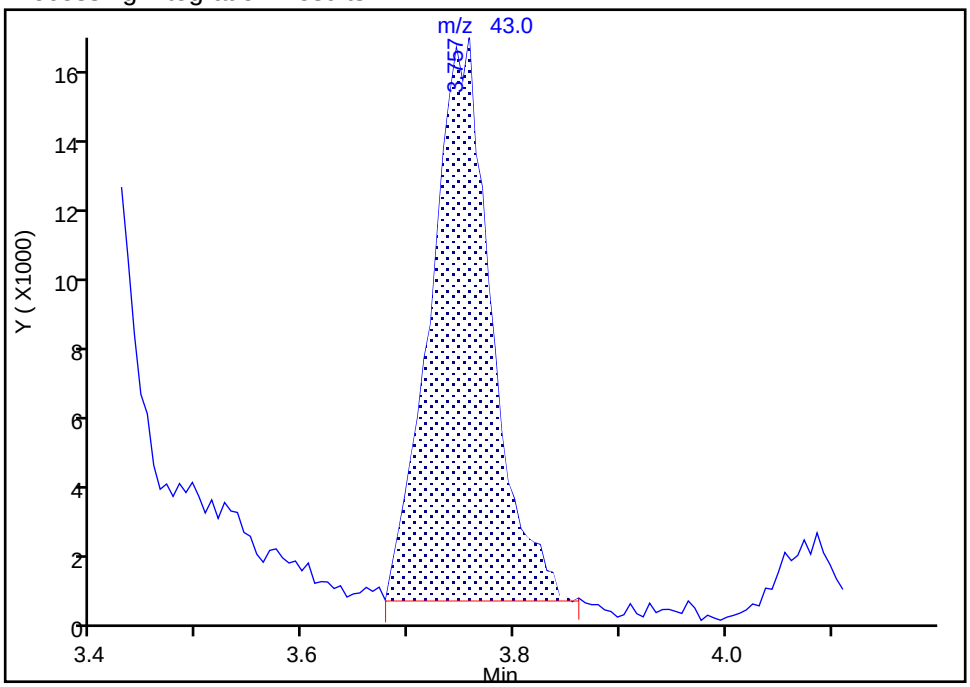
Data File:	\\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X20.D				
Injection Date:	20-Feb-2024 05:37:30	Instrument ID:	16334		
Lims ID:	ICV				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Methyl acetate, CAS: 79-20-9

Signal: 1

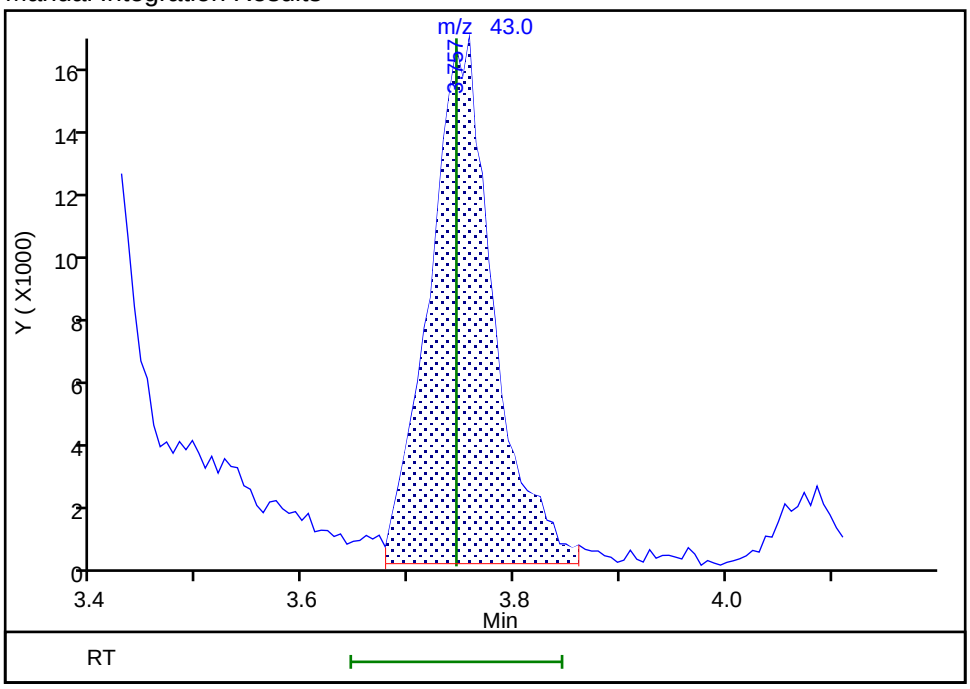
Processing Integration Results

RT: 3.76
Area: 59504
Amount: 3.707660
Amount Units: ug/l



Manual Integration Results

RT: 3.76
Area: 64516
Amount: 4.019954
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 13:10:50 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

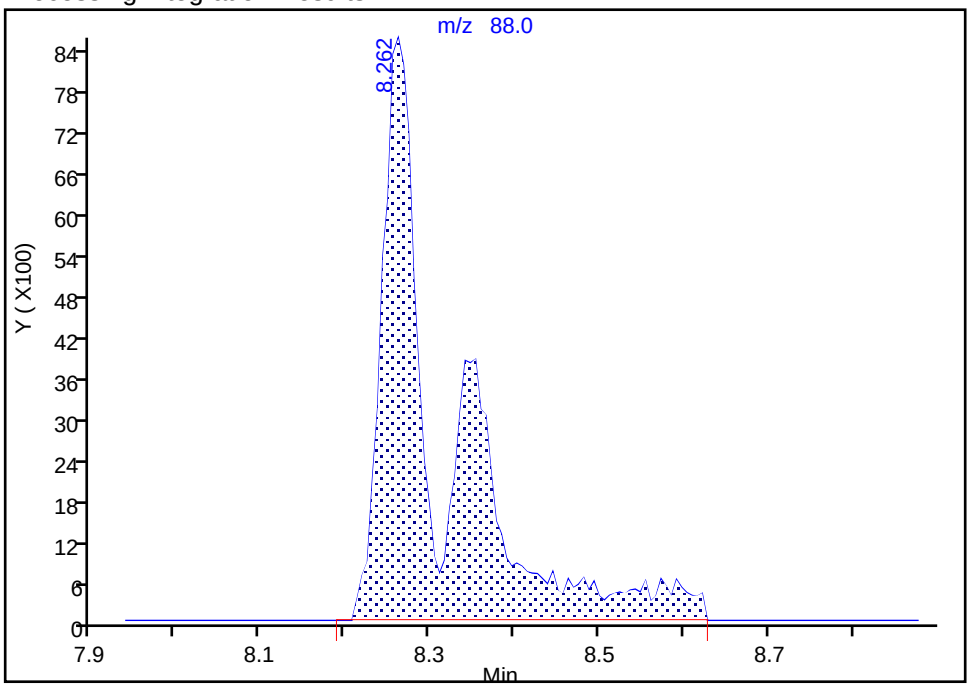
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X20.D
Injection Date: 20-Feb-2024 05:37:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

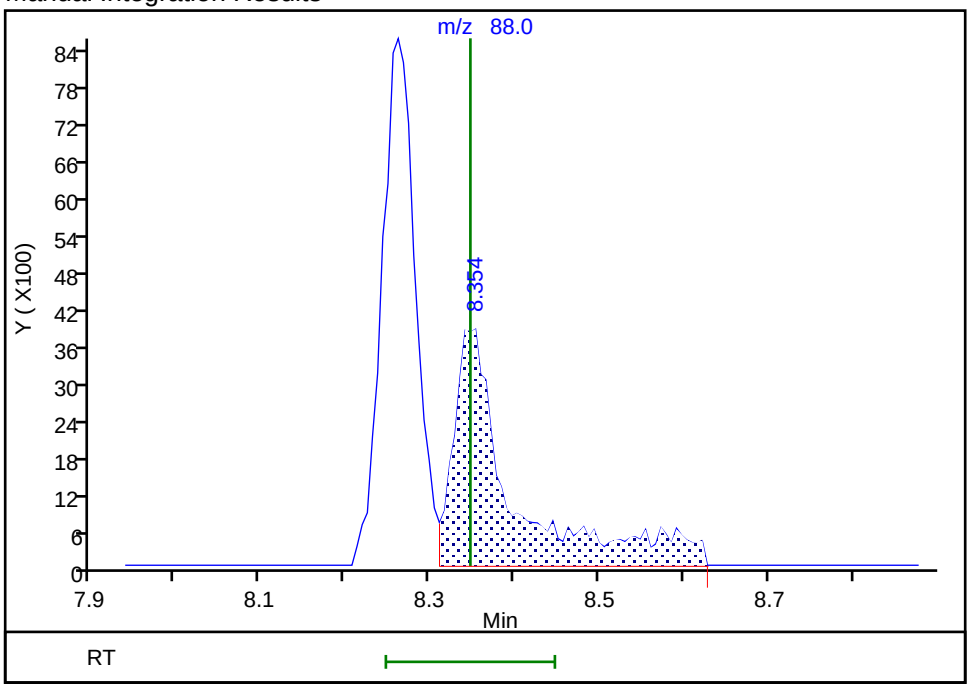
Processing Integration Results

RT: 8.26
Area: 42080
Amount: 277.0121
Amount Units: ug/l



Manual Integration Results

RT: 8.35
Area: 18608
Amount: 125.0930
Amount Units: ug/l



Reviewer: DVW2, 26-Feb-2024 10:31:14 -05:00:00 (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.: 410-174025-1

SDG No.:

Lab Sample ID: CCVIS 410-515924/3 Calibration Date: 06/11/2024 10:42

Instrument ID: 16334 Calib Start Date: 02/20/2024 02:41

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2024 04:53

Lab File ID: GU11X02.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	0.3175	0.3478	0.1000	11.0	10.0	9.5	20.0
Chloromethane	Ave	0.3006	0.3931	0.1000	13.1	10.0	30.8*	20.0
Vinyl chloride	Ave	0.2961	0.3581	0.1000	12.1	10.0	20.9*	20.0
1,3-Butadiene	Ave	0.2890	0.6392		22.1	10.0	121.2*	20.0
Bromomethane	Ave	0.2291	0.2194	0.1000	9.58	10.0	-4.2	20.0
Chloroethane	Ave	0.1749	0.2035	0.1000	11.6	10.0	16.3	20.0
Dichlorofluoromethane	Ave	0.5049	0.5170		10.2	10.0	2.4	20.0
Trichlorofluoromethane	Ave	0.4067	0.3749	0.1000	9.22	10.0	-7.8	20.0
Pentane	None					10.0		20.0
Ethyl ether	Ave	0.1341	0.1536		11.5	10.0	14.5	20.0
Freon 123a	Ave	0.2757	0.2989		10.8	10.0	8.4	20.0
Acrolein	Ave	1.902	2.406		634	501	26.5*	20.0
1,1-Dichloroethene	Ave	0.2029	0.2032	0.1000	10.0	10.0	0.1	20.0
Acetone	Ave	2.756	2.886	0.1000	105	100	4.7	20.0
Freon 113	Ave	0.2092	0.2203	0.1000	10.5	10.0	5.3	20.0
Methyl iodide	Ave	0.4203	0.3704		8.81	10.0	-11.9	20.0
Ethyl bromide	Ave	0.1856	0.1851		9.99	10.0	-0.3	20.0
Carbon disulfide	Ave	0.6912	0.7573	0.1000	11.0	10.0	9.6	20.0
Methyl acetate	Ave	7.878	7.618	0.1000	9.67	10.0	-3.3	20.0
Allyl chloride	Ave	0.3357	0.3741		11.1	10.0	11.4	20.0
Methylene Chloride	Ave	0.2213	0.2324	0.1000	10.5	10.0	5.0	20.0
t-Butyl alcohol	Ave	0.9792	0.8550		175	200	-12.7	20.0
Acrylonitrile	Ave	3.333	4.267		32.0	25.0	28.0*	20.0
Methyl tert-butyl ether	Ave	0.4870	0.4705	0.1000	9.66	10.0	-3.4	20.0
trans-1,2-Dichloroethene	Ave	0.2437	0.2429	0.1000	9.97	10.0	-0.3	20.0
n-Hexane	Ave	0.2737	0.3646		13.3	10.0	33.2*	20.0
1,1-Dichloroethane	Ave	0.4089	0.4509	0.2000	11.0	10.0	10.3	20.0
di-Isopropyl ether	Ave	0.6816	0.8030		11.8	10.0	17.8	20.0
2-Chloro-1,3-butadiene	Ave	0.3488	0.3820		11.0	10.0	9.5	20.0
Ethyl t-butyl ether	Ave	0.6341	0.6691		10.6	10.0	5.5	20.0
2-Butanone (MEK)	Ave	4.323	5.174	0.1000	120	100	19.7	20.0
cis-1,2-Dichloroethene	Ave	0.2726	0.2744	0.1000	10.1	10.0	0.7	20.0
2,2-Dichloropropane	Ave	0.3802	0.3708		9.75	10.0	-2.5	20.0
Propionitrile	Ave	1.222	1.538		252	200	25.8*	20.0
Methacrylonitrile	Ave	4.617	5.555		120	100	20.3*	20.0
Bromochloromethane	Ave	0.1061	0.1023		9.64	10.0	-3.6	20.0
Tetrahydrofuran	Ave	1.234	1.432		58.0	50.0	16.1	20.0
Chloroform	Ave	0.4507	0.4447	0.2000	9.87	10.0	-1.3	20.0
1,1,1-Trichloroethane	Ave	0.3980	0.3730	0.1000	9.37	10.0	-6.3	20.0
Cyclohexane	Ave	0.3452	0.4441	0.1000	12.9	10.0	28.7*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Lab Sample ID: CCVIS 410-515924/3 Calibration Date: 06/11/2024 10:42

Instrument ID: 16334 Calib Start Date: 02/20/2024 02:41

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2024 04:53

Lab File ID: GU11X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.3496	0.3197	0.1000	9.14	10.0	-8.6	20.0
1,1-Dichloropropene	Ave	0.3221	0.3535		11.0	10.0	9.8	20.0
Isobutyl alcohol	Ave	0.0026	0.0028		523	500	4.7	20.0
Benzene	Ave	0.9655	1.069	0.5000	11.1	10.0	10.7	20.0
1,2-Dichloroethane	Ave	0.2464	0.2389	0.1000	9.70	10.0	-3.0	20.0
t-Amyl methyl ether	Ave	0.5416	0.5602		10.3	10.0	3.4	20.0
n-Heptane	Ave	0.2851	0.4049		14.2	10.0	42.0*	20.0
n-Butanol	Ave	0.2210	0.2628		1040	875	18.9	20.0
Trichloroethene	Ave	0.2685	0.2753	0.2000	10.3	10.0	2.5	20.0
Methylcyclohexane	Ave	0.3782	0.4664	0.1000	12.3	10.0	23.3*	20.0
1,2-Dichloropropane	Ave	0.2264	0.2682	0.1000	11.8	10.0	18.5	20.0
Methyl methacrylate	Ave	8.634	10.76		12.5	10.0	24.6*	20.0
1,4-Dioxane	Ave	0.0730	0.0835	0.0050	571	500	14.3	20.0
Dibromomethane	Ave	0.1074	0.1077		10.0	10.0	0.3	20.0
Bromodichloromethane	Ave	0.2947	0.3071	0.2000	10.4	10.0	4.2	20.0
2-Nitropropane	Ave	3.089	2.980		48.2	50.0	-3.5	20.0
1-Bromo-2-chloroethane	Ave	0.1927	0.2267		11.8	10.0	17.6	20.0
cis-1,3-Dichloropropene	Ave	0.3358	0.3804	0.2000	11.3	10.0	13.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	10.86	13.59	0.1000	125	100	25.1*	20.0
Toluene	Ave	0.8680	0.9194	0.4000	10.6	10.0	5.9	20.0
trans-1,3-Dichloropropene	Ave	0.3551	0.3974	0.1000	11.2	10.0	11.9	20.0
Ethyl methacrylate	Ave	0.2369	0.2785		11.8	10.0	17.5	20.0
1,1,2-Trichloroethane	Ave	0.1972	0.2061	0.1000	10.5	10.0	4.5	20.0
Tetrachloroethene	Ave	0.4133	0.3712	0.2000	8.98	10.0	-10.2	20.0
1,3-Dichloropropane	Ave	0.3351	0.3700		11.0	10.0	10.4	20.0
2-Hexanone	Ave	6.750	9.174	0.1000	136	100	35.9*	20.0
Dibromochloromethane	Ave	0.2644	0.2503		9.46	10.0	-5.4	20.0
1,2-Dibromoethane (EDB)	Ave	0.1867	0.1918	0.1000	10.3	10.0	2.7	20.0
1-Chlorohexane	Ave	0.4849	0.5146		10.6	10.0	6.1	20.0
Chlorobenzene	Ave	0.9841	0.9916	0.5000	10.1	10.0	0.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3511	0.3291		9.37	10.0	-6.3	20.0
Ethylbenzene	Ave	1.722	1.821	0.1000	10.6	10.0	5.7	20.0
m&p-Xylene	Ave	0.6776	0.6900	0.1000	20.4	20.0	1.8	20.0
o-Xylene	Ave	0.6712	0.6622	0.3000	9.87	10.0	-1.3	20.0
Styrene	Ave	1.047	1.079	0.3000	10.3	10.0	3.1	20.0
Bromoform	Ave	0.1557	0.1348	0.1000	8.66	10.0	-13.4	20.0
Isopropylbenzene	Ave	1.641	1.640	0.1000	9.99	10.0	-0.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.4029	0.4468	0.3000	11.1	10.0	10.9	20.0
Bromobenzene	Ave	0.7558	0.7108		9.40	10.0	-6.0	20.0
trans-1,4-Dichloro-2-butene	Ave	5.030	1.540		30.6	100	-69.4*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Lab Sample ID: CCVIS 410-515924/3 Calibration Date: 06/11/2024 10:42

Instrument ID: 16334 Calib Start Date: 02/20/2024 02:41

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2024 04:53

Lab File ID: GU11X02.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	0.1140	0.1124		9.86	10.0	-1.4	20.0
N-Propylbenzene	Ave	3.613	4.073		11.3	10.0	12.7	20.0
2-Chlorotoluene	Ave	0.7764	0.7997		10.3	10.0	3.0	20.0
1,3,5-Trimethylbenzene	Ave	2.669	2.833		10.6	10.0	6.1	20.0
4-Chlorotoluene	Ave	0.8016	0.8197		10.2	10.0	2.3	20.0
tert-Butylbenzene	Ave	0.6131	0.5990		9.77	10.0	-2.3	20.0
Pentachloroethane	Ave	0.4485	0.4297		9.58	10.0	-4.2	20.0
1,2,4-Trimethylbenzene	Ave	2.754	2.915		10.6	10.0	5.8	20.0
sec-Butylbenzene	Ave	3.427	3.720		10.9	10.0	8.6	20.0
1,3-Dichlorobenzene	Ave	1.579	1.525	0.6000	9.66	10.0	-3.4	20.0
p-Isopropyltoluene	Ave	3.043	3.124		10.3	10.0	2.7	20.0
1,4-Dichlorobenzene	Ave	1.606	1.516	0.5000	9.44	10.0	-5.6	20.0
1,2,3-Trimethylbenzene	Ave	1.238	1.243		10.0	10.0	0.4	20.0
Benzyl chloride	Ave	0.1752	0.1933		11.0	10.0	10.3	20.0
n-Butylbenzene	Ave	1.513	1.739		11.5	10.0	14.9	20.0
1,2-Dichlorobenzene	Ave	1.386	1.309	0.4000	9.44	10.0	-5.6	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0554	0.0531	0.0500	9.58	10.0	-4.2	20.0
1,3,5-Trichlorobenzene	Ave	1.270	1.160		9.13	10.0	-8.7	20.0
1,2,4-Trichlorobenzene	Ave	0.9660	0.8619	0.2000	8.92	10.0	-10.8	20.0
Hexachlorobutadiene	Ave	0.5542	0.4945		8.92	10.0	-10.8	20.0
Naphthalene	Ave	1.230	1.139		9.26	10.0	-7.4	20.0
1,2,3-Trichlorobenzene	Ave	0.7146	0.5962		8.34	10.0	-16.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2388	0.2292		9.60	10.0	-4.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0432	0.0422		9.77	10.0	-2.3	20.0
Toluene-d8 (Surr)	Ave	1.297	1.330		10.3	10.0	2.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4751	0.4925		10.4	10.0	3.7	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X02.D
Lims ID: CCVIS VSTD10
Client ID:
Sample Type: CCVIS
Inject. Date: 11-Jun-2024 10:42:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116322-003
Misc. Info.: CCVIS
Operator ID: knk41612 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 13:23:09 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1612

First Level Reviewer: DVW2 Date: 11-Jun-2024 11:09:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.855	1.855	0.000	99	826940	10.0	11.0	
5 Chloromethane	50	2.032	2.032	0.000	99	934592	10.0	13.1	
6 Vinyl chloride	62	2.142	2.142	0.000	98	851364	10.0	12.1	
7 Butadiene	39	2.148	2.148	0.000	91	1519849	10.0	22.1	
9 Bromomethane	94	2.459	2.459	0.000	91	521540	10.0	9.58	
10 Chloroethane	64	2.538	2.538	0.000	100	483840	10.0	11.6	
11 Dichlorofluoromethane	67	2.751	2.751	0.000	97	1229259	10.0	10.2	
12 Trichlorofluoromethane	101	2.812	2.812	0.000	98	891403	10.0	9.22	
13 Ethyl ether	59	3.050	3.050	0.000	92	365267	10.0	11.5	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.135	3.135	0.000	94	710666	10.0	10.8	
17 Acrolein	56	3.208	3.208	0.000	100	2511512	501.1	633.8	
18 1,1-Dichloroethene	96	3.336	3.336	0.000	98	483125	10.0	10.0	
19 Acetone	43	3.373	3.373	0.000	98	601278	100.0	104.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.373	3.373	0.000	93	523834	10.0	10.5	
22 Iodomethane	142	3.513	3.513	0.000	98	880645	10.0	8.81	
23 Ethyl bromide	108	3.544	3.544	0.000	98	440812	10.0	9.99	
21 Isopropyl alcohol	45	3.544	3.544	0.000	42	173006	200.0	176.7	
24 Carbon disulfide	76	3.611	3.611	0.000	99	1800616	10.0	11.0	
25 Methyl acetate	43	3.763	3.763	0.000	98	158692	10.0	9.67	
27 3-Chloro-1-propene	41	3.775	3.775	0.000	93	889369	10.0	11.1	
29 Methylene Chloride	84	3.952	3.952	0.000	92	552534	10.0	10.5	
* 30 t-Butyl alcohol-d10 (IS)	65	3.983	3.983	0.000	99	104160	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.092	4.092	0.000	99	356217	200.0	174.6	
32 Acrylonitrile	53	4.281	4.281	0.000	100	222218	25.0	32.0	
33 Methyl tert-butyl ether	73	4.342	4.342	0.000	90	1118759	10.0	9.66	
34 trans-1,2-Dichloroethene	96	4.342	4.342	0.000	98	577545	10.0	9.97	
35 Hexane	57	4.775	4.775	0.000	92	866971	10.0	13.3	
37 1,1-Dichloroethane	63	5.007	5.007	0.000	96	1072153	10.0	11.0	
38 Isopropyl ether	45	5.080	5.080	0.000	95	1909155	10.0	11.8	
39 2-Chloro-1,3-butadiene	53	5.117	5.117	0.000	91	908351	10.0	11.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.617	5.617	0.000	99	1590977	10.0	10.6	
41 2-Butanone (MEK)	43	5.830	5.830	0.000	100	1077867	100.0	119.7	
42 cis-1,2-Dichloroethene	96	5.848	5.848	0.000	82	652410	10.0	10.1	
43 2,2-Dichloropropane	77	5.854	5.854	0.000	86	881660	10.0	9.75	
45 Propionitrile	54	5.915	5.915	0.000	99	640727	200.0	251.7	
48 Methacrylonitrile	67	6.129	6.129	0.000	91	1157228	100.0	120.3	
49 Chlorobromomethane	128	6.171	6.171	0.000	95	243318	10.0	9.64	
50 Tetrahydrofuran	71	6.208	6.208	0.000	79	149164	50.0	58.0	
51 Chloroform	83	6.330	6.330	0.000	93	1057318	10.0	9.87	
$ 52 Dibromofluoromethane (Surr)	113	6.543	6.543	0.000	92	544876	10.0	9.60	
53 1,1,1-Trichloroethane	97	6.555	6.555	0.000	98	886943	10.0	9.37	
54 Cyclohexane	56	6.647	6.647	0.000	91	1055994	10.0	12.9	
55 Carbon tetrachloride	117	6.763	6.763	0.000	97	760176	10.0	9.14	
56 1,1-Dichloropropene	75	6.769	6.769	0.000	98	840601	10.0	11.0	
58 Isobutyl alcohol	41	6.964	6.964	0.000	93	328570	500.0	523.3	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.000	7.000	0.000	89	100404	10.0	9.77	
60 Benzene	78	7.031	7.031	0.000	96	2540871	10.0	11.1	
61 1,2-Dichloroethane	62	7.104	7.104	0.000	97	567948	10.0	9.70	
63 Tert-amyl methyl ether	73	7.232	7.232	0.000	99	1332061	10.0	10.3	
* 64 Fluorobenzene (IS)	96	7.439	7.439	0.000	99	2377628	10.0	10.0	
65 n-Heptane	43	7.458	7.458	0.000	92	962768	10.0	14.2	
67 n-Butanol	56	7.854	7.854	0.000	87	478962	875.0	1040.1	
68 Trichloroethene	95	7.921	7.921	0.000	99	654562	10.0	10.3	
69 Methylcyclohexane	83	8.220	8.220	0.000	93	1108910	10.0	12.3	
70 1,2-Dichloropropane	63	8.244	8.244	0.000	98	637655	10.0	11.8	
71 2-ethoxy-2-methyl butane	87	8.268	8.268	0.000	92	939996	10.0	10.2	
72 Methyl methacrylate	69	8.354	8.354	0.000	92	224080	10.0	12.5	
73 1,4-Dioxane	88	8.360	8.360	0.000	34	86934	500.0	571.5	M
74 Dibromomethane	93	8.360	8.360	0.000	96	256082	10.0	10.0	
76 Dichlorobromomethane	83	8.598	8.598	0.000	99	730077	10.0	10.4	
77 2-Nitropropane	41	8.872	8.872	0.000	98	310383	50.0	48.2	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	539080	10.0	11.8	
81 cis-1,3-Dichloropropene	75	9.159	9.159	0.000	96	904473	10.0	11.3	
82 4-Methyl-2-pentanone (MIBK)	43	9.347	9.347	0.000	97	2831526	100.0	125.1	
$ 83 Toluene-d8 (Surr)	98	9.476	9.476	0.000	94	2358219	10.0	10.3	
84 Toluene	92	9.555	9.555	0.000	98	1629767	10.0	10.6	
85 trans-1,3-Dichloropropene	75	9.823	9.823	0.000	93	704511	10.0	11.2	
86 Ethyl methacrylate	69	9.896	9.896	0.000	89	493603	10.0	11.8	
107 1,1,2-Trichloroethane	97	10.030	10.030	0.000	90	365362	10.0	10.5	
108 Tetrachloroethene	166	10.122	10.122	0.000	96	658006	10.0	8.98	
109 1,3-Dichloropropane	76	10.195	10.195	0.000	91	655815	10.0	11.0	
110 2-Hexanone	43	10.262	10.262	0.000	97	1911072	100.0	135.9	
112 Chlorodibromomethane	129	10.408	10.408	0.000	90	443620	10.0	9.46	
113 Ethylene Dibromide	107	10.518	10.518	0.000	98	339970	10.0	10.3	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	87	1772672	10.0	10.0	
115 1-Chlorohexane	91	10.975	10.975	0.000	98	912275	10.0	10.6	
116 Chlorobenzene	112	10.987	10.987	0.000	95	1757863	10.0	10.1	
117 1,1,1,2-Tetrachloroethane	131	11.073	11.073	0.000	96	583463	10.0	9.37	
118 Ethylbenzene	91	11.079	11.079	0.000	99	3228106	10.0	10.6	
120 m-Xylene & p-Xylene	106	11.195	11.195	0.000	100	2446456	20.0	20.4	
121 o-Xylene	106	11.524	11.524	0.000	97	1173919	10.0	9.87	
122 Styrene	104	11.542	11.542	0.000	95	1913289	10.0	10.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Bromoform	173	11.695	11.695	0.000	96	238990	10.0	8.66	
124 Isopropylbenzene	105	11.829	11.829	0.000	96	2906609	10.0	9.99	
$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	87	873035	10.0	10.4	
128 1,1,2,2-Tetrachloroethane	83	12.073	12.073	0.000	94	423311	10.0	11.1	
129 Bromobenzene	156	12.085	12.085	0.000	96	673425	10.0	9.40	
130 trans-1,4-Dichloro-2-butene	53	12.097	12.097	0.000	88	320817	100.0	30.6	
131 1,2,3-Trichloropropane	110	12.115	12.115	0.000	81	106529	10.0	9.86	
132 N-Propylbenzene	91	12.158	12.158	0.000	99	3859253	10.0	11.3	
133 2-Chlorotoluene	126	12.231	12.231	0.000	96	757681	10.0	10.3	
134 1,3,5-Trimethylbenzene	105	12.292	12.292	0.000	93	2684174	10.0	10.6	
135 4-Chlorotoluene	126	12.323	12.323	0.000	98	776604	10.0	10.2	
136 tert-Butylbenzene	134	12.530	12.530	0.000	93	567498	10.0	9.77	
137 Pentachloroethane	167	12.566	12.566	0.000	93	407163	10.0	9.58	
138 1,2,4-Trimethylbenzene	105	12.572	12.572	0.000	98	2761874	10.0	10.6	
139 sec-Butylbenzene	105	12.694	12.694	0.000	95	3524965	10.0	10.9	
140 1,3-Dichlorobenzene	146	12.792	12.792	0.000	98	1444677	10.0	9.66	
141 4-Isopropyltoluene	119	12.804	12.804	0.000	97	2959977	10.0	10.3	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	95	947446	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.865	12.865	0.000	93	1436577	10.0	9.44	
144 1,2,3-Trimethylbenzene	120	12.877	12.877	0.000	99	1177617	10.0	10.0	
145 Benzyl chloride	126	12.944	12.944	0.000	99	183116	10.0	11.0	
146 p-Diethylbenzene	119	13.005	13.005	0.000	90	1745578	10.0	10.3	
147 n-Butylbenzene	92	13.091	13.091	0.000	97	1647595	10.0	11.5	
148 1,2-Dichlorobenzene	146	13.121	13.121	0.000	98	1239923	10.0	9.44	
150 1,2-Dibromo-3-Chloropropane	155	13.664	13.664	0.000	84	50319	10.0	9.58	
151 1,3,5-Trichlorobenzene	180	13.792	13.792	0.000	97	1098660	10.0	9.13	
152 1,2,4-Trichlorobenzene	180	14.206	14.206	0.000	94	816607	10.0	8.92	
153 Hexachlorobutadiene	225	14.292	14.292	0.000	97	468515	10.0	8.92	
154 Naphthalene	128	14.389	14.389	0.000	97	1079308	10.0	9.26	
155 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	95	564833	10.0	8.34	
156 2-Methylnaphthalene	142	15.127	15.127	0.000	92	309590	10.0	7.97	
167 Pentane	43	2.849	2.849	0.000	97	926026	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00132	Amount Added: 20.00	Units: uL	
MSV_LL_#2_826_00140	Amount Added: 20.00	Units: uL	
MSV_LL_GAS826_00214	Amount Added: 20.00	Units: uL	
MSV_29_826ISS_00054	Amount Added: 1.00	Units: uL	Run Reagent

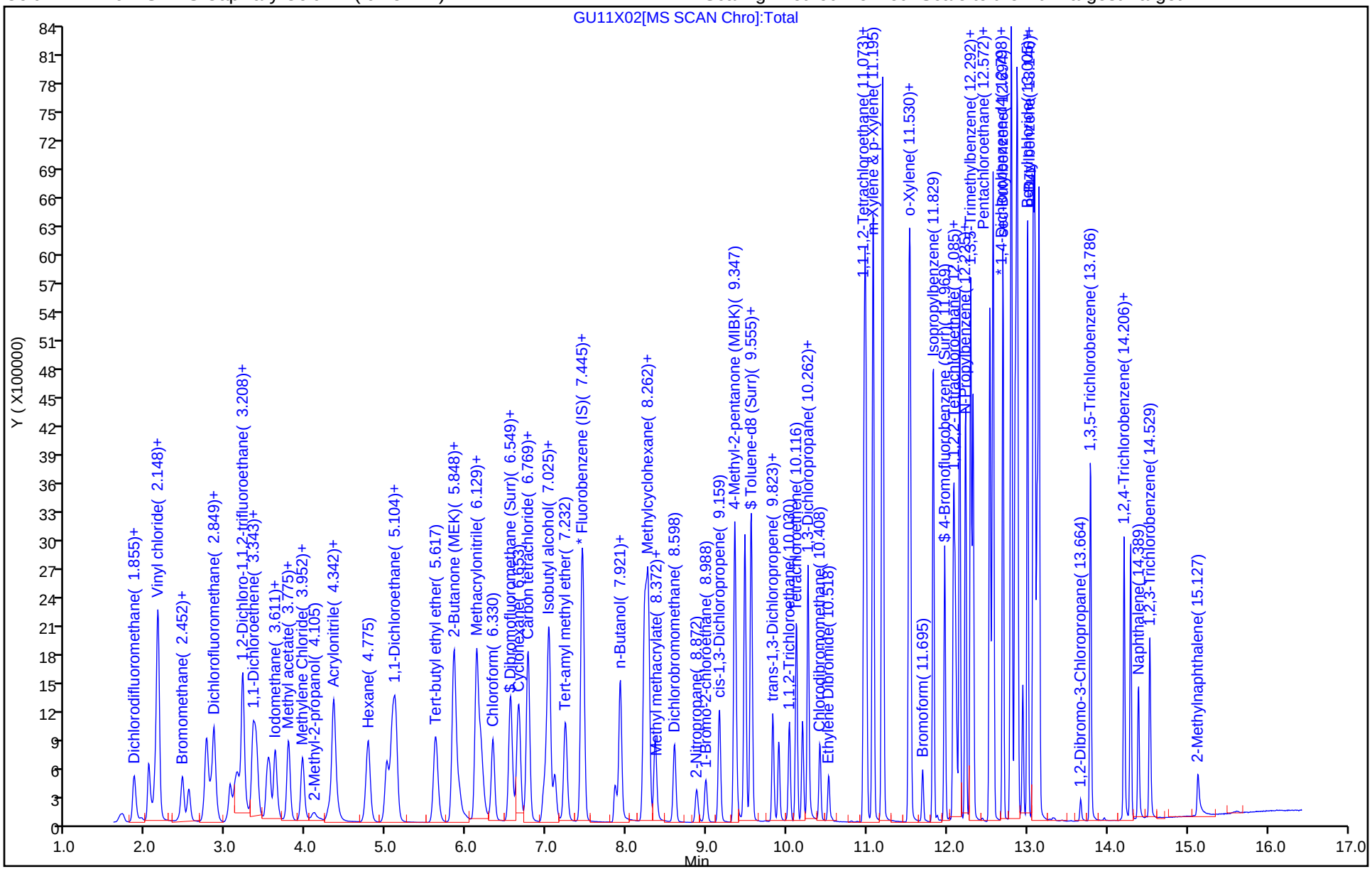
Report Date: 11-Jun-2024 13:23:10 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X02.D

Injection Date:	11-Jun-2024 10:42:30	Instrument ID:	16334	Operator ID:	knk41612
Lims ID:	CCVIS VSTD10			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

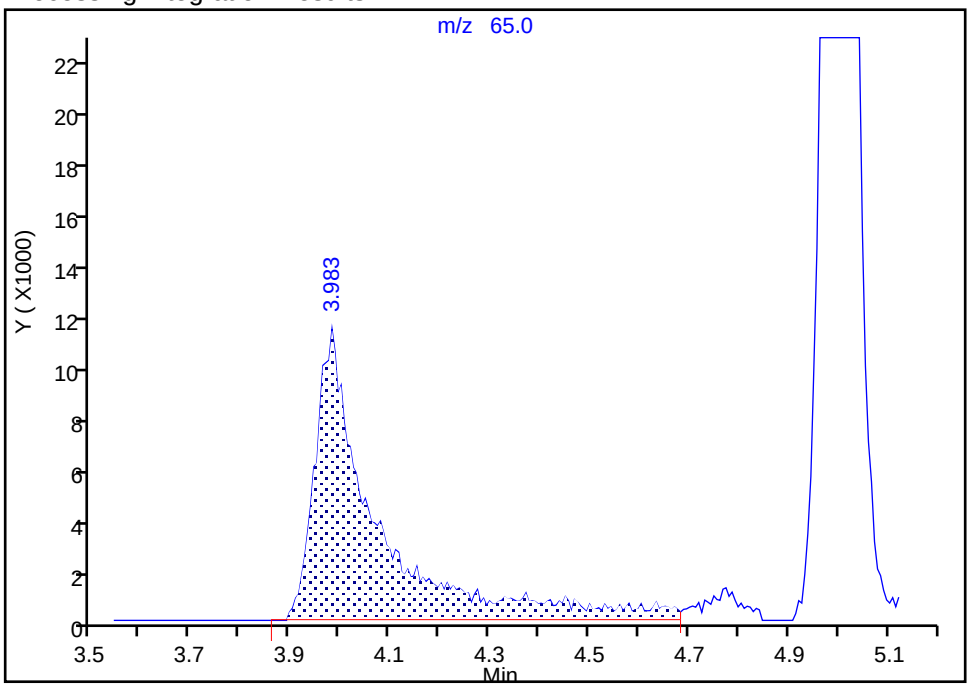
Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X02.D				
Injection Date:	11-Jun-2024 10:42:30	Instrument ID:	16334		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

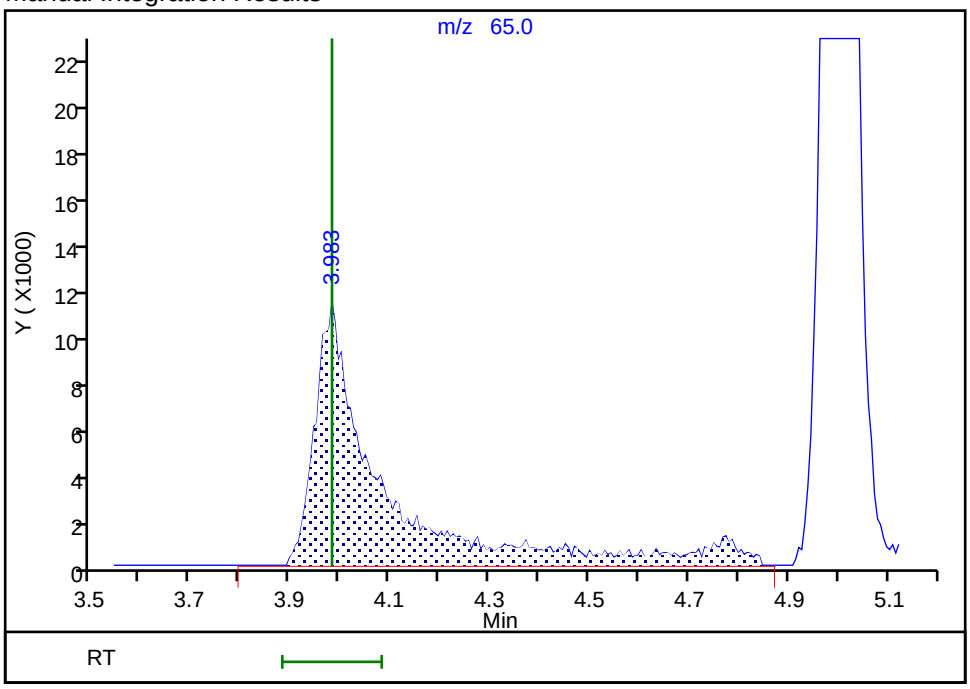
Processing Integration Results

RT: 3.98
Area: 97760
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.98
Area: 104160
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 11-Jun-2024 11:07:46 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

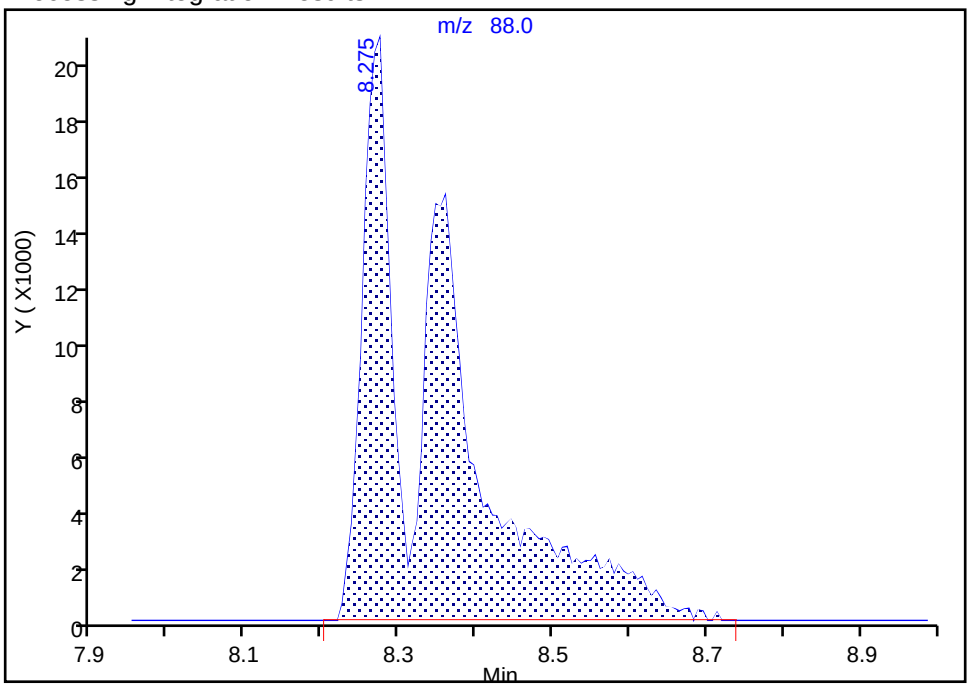
Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X02.D				
Injection Date:	11-Jun-2024 10:42:30	Instrument ID:	16334		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

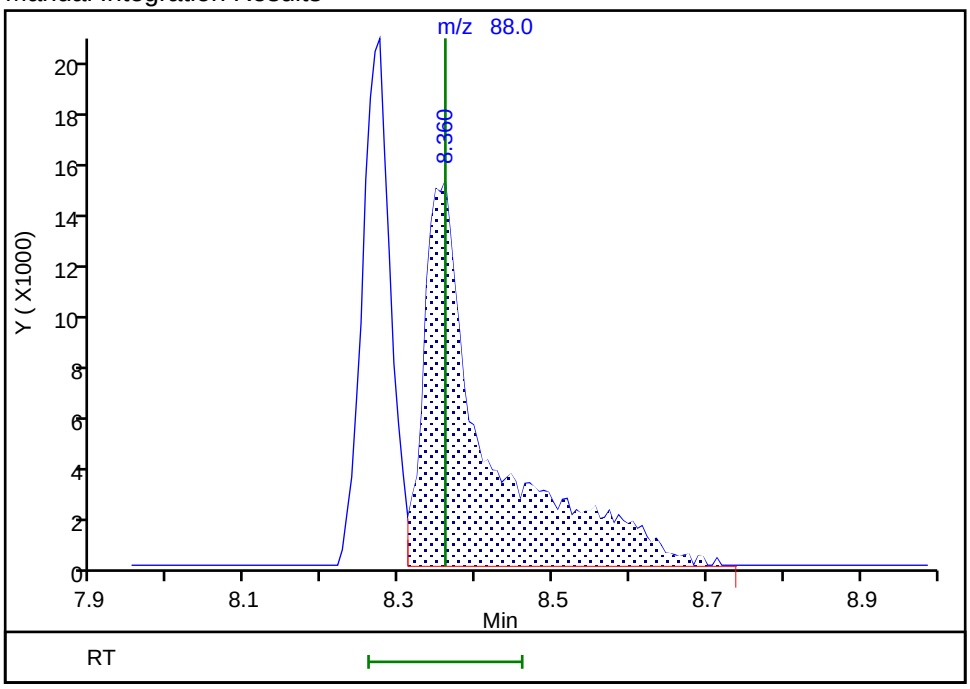
Processing Integration Results

RT: 8.27
Area: 139028
Amount: 913.9292
Amount Units: ug/l



Manual Integration Results

RT: 8.36
Area: 86934
Amount: 571.4785
Amount Units: ug/l



Reviewer: DVW2, 11-Jun-2024 11:08:03 -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.: 410-174025-1

SDG No.:

Lab Sample ID: ICV 410-474838/22 Calibration Date: 02/20/2024 06:56

Instrument ID: 19930 Calib Start Date: 02/20/2024 04:08

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2024 06:14

Lab File ID: IF19X22.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	0.4056	0.3836	0.1000	4.73	5.00	-5.4	30.0
Chloromethane	Ave	0.4492	0.4177	0.1000	4.65	5.00	-7.0	30.0
1,3-Butadiene	Ave	0.4186	0.3477		4.15	5.00	-16.9	30.0
Vinyl chloride	Ave	0.4154	0.4021	0.1000	4.84	5.00	-3.2	30.0
Bromomethane	Ave	0.2921	0.2782	0.1000	4.76	5.00	-4.8	30.0
Chloroethane	Ave	0.2354	0.2367	0.1000	5.03	5.00	0.6	30.0
Dichlorofluoromethane	Ave	0.6446	0.5664		4.39	5.00	-12.1	30.0
Trichlorofluoromethane	Ave	0.4711	0.4560	0.1000	4.84	5.00	-3.2	30.0
Ethyl ether	Ave	0.2129	0.2108		4.94	4.99	-1.0	30.0
Freon 123a	Ave	0.3787	0.3697		4.88	5.00	-2.4	30.0
Acrolein	Ave	1.732	1.824		39.5	37.5	5.3	30.0
1,1-Dichloroethene	Ave	0.2532	0.2632	0.1000	5.20	5.00	3.9	30.0
Acetone	Ave	2.290	2.268	0.1000	61.9	62.5	-0.9	30.0
Freon 113	Ave	0.2613	0.2414	0.1000	4.62	5.00	-7.6	30.0
Methyl iodide	Ave	0.5044	0.4902		4.86	5.00	-2.8	30.0
Ethyl bromide	Ave	0.2286	0.2274		4.87	4.89	-0.5	30.0
Carbon disulfide	Ave	0.7693	0.6940	0.1000	4.51	5.00	-9.8	30.0
Methyl acetate	Ave	6.552	6.116	0.1000	4.67	5.00	-6.6	30.0
Allyl chloride	Ave	0.4897	0.4562		4.66	5.00	-6.9	30.0
Methylene Chloride	Ave	0.2802	0.2942	0.1000	5.25	5.00	5.0	30.0
t-Butyl alcohol	Ave	0.9289	1.014		54.6	50.0	9.1	30.0
Acrylonitrile	Ave	2.887	3.092		26.8	25.0	7.1	30.0
Methyl tert-butyl ether	Ave	0.7443	0.7526	0.1000	5.06	5.00	1.1	30.0
trans-1,2-Dichloroethene	Ave	0.2868	0.2990	0.1000	5.21	5.00	4.3	30.0
n-Hexane	Ave	0.3941	0.3968		5.04	5.00	0.7	30.0
1,1-Dichloroethane	Ave	0.5461	0.5823	0.2000	5.33	5.00	6.6	30.0
di-Isopropyl ether	Ave	0.9675	0.9833		5.08	5.00	1.6	30.0
2-Chloro-1,3-butadiene	Ave	0.4616	0.4767		5.16	5.00	3.3	30.0
Ethyl t-butyl ether	Ave	0.8806	0.9200		5.22	5.00	4.5	30.0
2-Butanone (MEK)	Ave	4.108	4.295	0.1000	65.3	62.5	4.5	30.0
cis-1,2-Dichloroethene	Ave	0.3283	0.3510	0.1000	5.35	5.00	6.9	30.0
2,2-Dichloropropane	Ave	0.4656	0.4866		5.23	5.00	4.5	30.0
Propionitrile	Ave	1.160	1.262		40.8	37.5	8.8	30.0
Methacrylonitrile	Ave	4.150	4.060		36.7	37.5	-2.2	30.0
Bromochloromethane	Ave	0.1362	0.1498		5.50	5.00	10.0	30.0
Tetrahydrofuran	Ave	1.251	1.259		25.2	25.0	0.7	30.0
Chloroform	Ave	0.5442	0.5648	0.2000	5.19	5.00	3.8	30.0
1,1,1-Trichloroethane	Ave	0.4741	0.5178	0.1000	5.46	5.00	9.2	30.0
Cyclohexane	Ave	0.5052	0.5166	0.1000	5.11	5.00	2.3	30.0
Carbon tetrachloride	Ave	0.4122	0.4515	0.1000	5.48	5.00	9.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Lab Sample ID: ICV 410-474838/22 Calibration Date: 02/20/2024 06:56

Instrument ID: 19930 Calib Start Date: 02/20/2024 04:08

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2024 06:14

Lab File ID: IF19X22.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	0.4156	0.4454		5.36	5.00	7.2	30.0
Isobutyl alcohol	Ave	0.3383	0.3179		117	125	-6.0	30.0
Benzene	Ave	1.249	1.322	0.5000	5.29	5.00	5.8	30.0
1,2-Dichloroethane	Ave	0.3248	0.3434	0.1000	5.29	5.00	5.7	30.0
t-Amyl methyl ether	Ave	0.7882	0.8165		5.18	5.00	3.6	30.0
n-Heptane	Ave	0.4054	0.4498		5.55	5.00	10.9	30.0
n-Butanol	Lin1		0.2838		249	250	-0.4	30.0
Trichloroethene	Ave	0.3267	0.3433	0.2000	5.25	5.00	5.1	30.0
Methylcyclohexane	Ave	0.5115	0.5508	0.1000	5.38	5.00	7.7	30.0
1,2-Dichloropropane	Ave	0.3169	0.3433	0.1000	5.42	5.00	8.3	30.0
1,4-Dioxane	Ave	0.0579	0.0703	0.0050	152	125	21.6	30.0
Methyl methacrylate	Ave	7.656	7.713		5.04	5.00	0.7	30.0
Dibromomethane	Ave	0.1451	0.1554		5.35	5.00	7.1	30.0
Bromodichloromethane	Ave	0.3774	0.4069	0.2000	5.39	5.00	7.8	30.0
2-Nitropropane	Ave	2.717	2.281		4.20	5.00	-16.1	30.0
1-Bromo-2-chloroethane	Ave	0.3102	0.3356		5.41	5.00	8.2	30.0
cis-1,3-Dichloropropene	Ave	0.4705	0.4838	0.2000	5.14	5.00	2.8	30.0
4-Methyl-2-pentanone (MIBK)	Ave	11.20	11.05	0.1000	61.6	62.5	-1.4	30.0
Toluene	Ave	1.064	1.135	0.4000	5.33	5.00	6.7	30.0
trans-1,3-Dichloropropene	Ave	0.5061	0.5503	0.1000	5.44	5.00	8.7	30.0
Ethyl methacrylate	Ave	0.4416	0.4666		5.28	5.00	5.7	30.0
1,1,2-Trichloroethane	Ave	0.2931	0.3128	0.1000	5.34	5.00	6.7	30.0
Tetrachloroethene	Ave	0.5114	0.5549	0.2000	5.43	5.00	8.5	30.0
1,3-Dichloropropane	Ave	0.4946	0.5304		5.36	5.00	7.2	30.0
2-Hexanone	Ave	8.005	7.623	0.1000	59.5	62.5	-4.8	30.0
Dibromochloromethane	Ave	0.3652	0.3976		5.44	5.00	8.9	30.0
1,2-Dibromoethane (EDB)	Ave	0.2730	0.2928	0.1000	5.36	5.00	7.3	30.0
1-Chlorohexane	Ave	0.5999	0.5984		4.99	5.00	-0.3	30.0
Chlorobenzene	Ave	1.167	1.257	0.5000	5.39	5.00	7.7	30.0
1,1,1,2-Tetrachloroethane	Ave	0.4212	0.4538		5.39	5.00	7.7	30.0
Ethylbenzene	Ave	2.090	2.242	0.1000	5.36	5.00	7.3	30.0
m&p-Xylene	Ave	0.8176	0.8828	0.1000	10.8	10.0	8.0	30.0
o-Xylene	Ave	0.8139	0.8687	0.3000	5.34	5.00	6.7	30.0
Styrene	Ave	1.288	1.403	0.3000	5.45	5.00	8.9	30.0
Bromoform	Ave	0.2363	0.2522	0.1000	5.34	5.00	6.7	30.0
Isopropylbenzene	Ave	2.001	2.322	0.1000	5.80	5.00	16.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6522	0.6845	0.3000	5.25	5.00	4.9	30.0
Bromobenzene	Ave	0.8711	0.9355		5.37	5.00	7.4	30.0
trans-1,4-Dichloro-2-butene	Ave	4.039	3.797		23.5	25.0	-6.0	30.0
1,2,3-Trichloropropane	Ave	0.1741	0.1889		5.43	5.00	8.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Lab Sample ID: ICV 410-474838/22 Calibration Date: 02/20/2024 06:56

Instrument ID: 19930 Calib Start Date: 02/20/2024 04:08

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2024 06:14

Lab File ID: IF19X22.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
N-Propylbenzene	Ave	4.233	4.575		5.40	5.00	8.1	30.0
2-Chlorotoluene	Ave	0.8539	0.9265		5.43	5.00	8.5	30.0
1,3,5-Trimethylbenzene	Ave	3.104	3.342		5.38	5.00	7.7	30.0
4-Chlorotoluene	Ave	0.8649	0.9337		5.40	5.00	7.9	30.0
tert-Butylbenzene	Ave	0.6759	0.7383		5.46	5.00	9.2	30.0
Pentachloroethane	Ave	0.5439	0.5874		5.40	5.00	8.0	30.0
1,2,4-Trimethylbenzene	Ave	3.092	3.342		5.40	5.00	8.1	30.0
sec-Butylbenzene	Ave	3.955	4.359		5.51	5.00	10.2	30.0
1,3-Dichlorobenzene	Ave	1.704	1.818	0.6000	5.34	5.00	6.7	30.0
p-Isopropyltoluene	Ave	3.432	3.725		5.43	5.00	8.5	30.0
1,4-Dichlorobenzene	Ave	1.744	1.824	0.5000	5.23	5.00	4.6	30.0
1,2,3-Trimethylbenzene	Ave	1.405	1.411		5.02	5.00	0.4	30.0
Benzyl chloride	Ave	0.2641	0.2738		5.18	5.00	3.7	30.0
n-Butylbenzene	Ave	1.633	1.812		5.55	5.00	10.9	30.0
1,2-Dichlorobenzene	Ave	1.591	1.697	0.4000	5.33	5.00	6.7	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1035	0.1112	0.0500	5.37	5.00	7.4	30.0
1,3,5-Trichlorobenzene	Ave	1.248	1.386		5.55	5.00	11.1	30.0
1,2,4-Trichlorobenzene	Ave	1.039	1.171	0.2000	5.64	5.00	12.8	30.0
Hexachlorobutadiene	Ave	0.4841	0.5713		5.90	5.00	18.0	30.0
Naphthalene	Ave	1.963	2.188		5.57	5.00	11.5	30.0
1,2,3-Trichlorobenzene	Ave	0.8668	0.9732		5.61	5.00	12.3	30.0
2-ethoxy-2-methyl butane	None					5.00		30.0
2-Methylnaphthalene	None					5.00		30.0
Isopropyl alcohol	None					37.5		30.0
p-Diethylbenzene	None					5.00		30.0
Pentane	None					5.00		30.0
Dibromofluoromethane (Surr)	Ave	0.2406	0.2406		10.0	10.0	-0.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0497	0.0485		9.77	10.0	-2.3	30.0
Toluene-d8 (Surr)	Ave	1.314	1.317		10.0	10.0	0.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4851	0.4844		9.99	10.0	-0.1	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X22.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 20-Feb-2024 06:56:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0106711-022
Misc. Info.: LG ICV
Operator ID: gaw91131 Instrument ID: 19930
Sublist:

Method: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 07-Mar-2024 15:44:40 Calib Date: 20-Feb-2024 06:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X20.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1680

First Level Reviewer: DVW2 Date: 27-Feb-2024 12:59:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.825	1.806	0.019	99	292851	5.00	4.73	
4 Chloromethane	50	2.001	1.995	0.006	99	318863	5.00	4.65	
5 Vinyl chloride	62	2.111	2.099	0.012	97	306988	5.00	4.84	
6 Butadiene	39	2.111	2.105	0.006	93	265447	5.00	4.15	
7 Bromomethane	94	2.410	2.398	0.012	91	212389	5.00	4.76	
8 Chloroethane	64	2.483	2.471	0.012	100	180698	5.00	5.03	
9 Dichlorofluoromethane	67	2.702	2.690	0.012	97	432397	5.00	4.39	
10 Trichlorofluoromethane	101	2.770	2.757	0.013	97	348082	5.00	4.84	
11 Ethyl ether	59	2.983	2.964	0.019	91	160538	4.99	4.94	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.068	3.056	0.012	92	282243	5.00	4.88	
14 Acrolein	56	3.129	3.123	0.006	99	214519	37.5	39.5	
15 1,1-Dichloroethene	96	3.263	3.251	0.012	98	200883	5.00	5.20	
16 Acetone	43	3.282	3.275	0.007	100	444542	62.5	61.9	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.300	3.294	0.006	89	184281	5.00	4.62	
18 Iodomethane	142	3.440	3.428	0.012	98	374218	5.00	4.86	
19 Ethyl bromide	108	3.464	3.452	0.012	98	169868	4.89	4.87	
20 Carbon disulfide	76	3.544	3.531	0.013	99	529749	5.00	4.51	
23 Methyl acetate	43	3.672	3.666	0.006	98	95887	5.00	4.67	M
24 3-Chloro-1-propene	41	3.696	3.684	0.012	93	348232	5.00	4.66	
25 Methylene Chloride	84	3.867	3.855	0.012	93	224613	5.00	5.25	
* 26 t-Butyl alcohol-d10 (IS)	65	3.879	3.867	0.012	99	156772	50.0	50.0	M
27 2-Methyl-2-propanol	59	3.983	3.970	0.013	100	158914	50.0	54.6	
28 Acrylonitrile	53	4.178	4.165	0.013	98	242395	25.0	26.8	
29 Methyl tert-butyl ether	73	4.233	4.226	0.007	94	574487	5.00	5.06	
30 trans-1,2-Dichloroethene	96	4.251	4.239	0.012	99	228228	5.00	5.21	
31 Hexane	57	4.672	4.659	0.013	93	302931	5.00	5.04	
32 1,1-Dichloroethane	63	4.903	4.903	0.000	96	444481	5.00	5.33	
35 Isopropyl ether	45	4.970	4.958	0.012	95	750663	5.00	5.08	
36 2-Chloro-1,3-butadiene	53	5.025	5.007	0.018	90	363901	5.00	5.16	
37 Tert-butyl ethyl ether	59	5.507	5.507	0.000	98	702305	5.00	5.22	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 2-Butanone (MEK)	43	5.726	5.720	0.006	100	841631	62.5	65.3	
39 cis-1,2-Dichloroethene	96	5.757	5.751	0.006	82	267958	5.00	5.35	
40 2,2-Dichloropropane	77	5.769	5.763	0.006	86	371427	5.00	5.23	
43 Propionitrile	54	5.818	5.799	0.019	98	148338	37.5	40.8	
45 Methacrylonitrile	67	6.031	6.019	0.012	92	477407	37.5	36.7	
46 Chlorobromomethane	128	6.092	6.080	0.012	93	114355	5.00	5.50	
47 Tetrahydrofuran	71	6.104	6.098	0.006	80	98714	25.0	25.2	
48 Chloroform	83	6.244	6.238	0.006	93	431127	5.00	5.19	
$ 49 Dibromofluoromethane (Surr)	113	6.464	6.458	0.006	94	367277	10.0	10.0	
50 1,1,1-Trichloroethane	97	6.470	6.464	0.006	89	395289	5.00	5.46	
51 Cyclohexane	56	6.574	6.567	0.007	90	394343	5.00	5.11	
53 1,1-Dichloropropene	75	6.696	6.683	0.013	96	339986	5.00	5.36	
54 Carbon tetrachloride	117	6.683	6.683	0.000	96	344663	5.00	5.48	
55 Isobutyl alcohol	41	6.860	6.848	0.012	95	124587	125.0	117.4	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.921	6.915	0.006	89	74059	10.0	9.77	
57 Benzene	78	6.952	6.952	0.000	97	1009142	5.00	5.29	
58 1,2-Dichloroethane	62	7.031	7.025	0.006	97	262144	5.00	5.29	
60 Tert-amyl methyl ether	73	7.147	7.147	0.000	98	623272	5.00	5.18	
* 61 Fluorobenzene (IS)	96	7.366	7.360	0.006	98	1526755	10.0	10.0	
62 n-Heptane	43	7.384	7.384	0.000	92	343389	5.00	5.55	
63 n-Butanol	56	7.756	7.750	0.006	90	222497	250.0	248.9	
64 Trichloroethene	95	7.854	7.848	0.006	98	262080	5.00	5.25	
65 Methylcyclohexane	83	8.159	8.152	0.007	93	420437	5.00	5.38	
66 1,2-Dichloropropane	63	8.183	8.177	0.006	97	262048	5.00	5.42	
67 Methyl methacrylate	69	8.281	8.274	0.007	93	120914	5.00	5.04	
68 1,4-Dioxane	88	8.275	8.281	-0.006	30	27569	125.0	152.0	
69 Dibromomethane	93	8.293	8.293	0.000	94	118621	5.00	5.35	
71 Dichlorobromomethane	83	8.537	8.530	0.007	99	310606	5.00	5.39	
72 2-Nitropropane	41	8.805	8.799	0.006	98	35753	5.00	4.20	
75 1-Bromo-2-chloroethane	63	8.927	8.927	0.000	99	256220	5.00	5.41	
76 cis-1,3-Dichloropropene	75	9.098	9.097	0.001	96	369316	5.00	5.14	
77 4-Methyl-2-pentanone (MIBK)	43	9.280	9.280	0.000	96	2165408	62.5	61.6	
$ 78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1517112	10.0	10.0	
79 Toluene	92	9.506	9.500	0.006	98	653323	5.00	5.33	
97 trans-1,3-Dichloropropene	75	9.780	9.774	0.006	93	316850	5.00	5.44	
99 Ethyl methacrylate	69	9.847	9.847	0.000	90	268673	5.00	5.28	
100 1,1,2-Trichloroethane	97	9.988	9.988	0.000	90	180127	5.00	5.34	
101 Tetrachloroethene	166	10.079	10.079	0.000	98	319507	5.00	5.43	
102 1,3-Dichloropropane	76	10.158	10.152	0.006	90	305395	5.00	5.36	
103 2-Hexanone	43	10.213	10.207	0.006	97	1493885	62.5	59.5	
105 Chlorodibromomethane	129	10.378	10.378	0.000	90	228937	5.00	5.44	
106 Ethylene Dibromide	107	10.488	10.487	0.001	100	168605	5.00	5.36	
* 107 Chlorobenzene-d5 (IS)	117	10.933	10.932	0.001	86	1151550	10.0	10.0	
108 1-Chlorohexane	91	10.945	10.945	0.000	98	344525	5.00	4.99	
109 Chlorobenzene	112	10.957	10.957	0.000	95	723748	5.00	5.39	
111 1,1,1,2-Tetrachloroethane	131	11.042	11.042	0.000	96	261297	5.00	5.39	
112 Ethylbenzene	91	11.048	11.048	0.000	98	1290708	5.00	5.36	
113 m-Xylene & p-Xylene	106	11.164	11.164	0.000	93	1016609	10.0	10.8	
114 o-Xylene	106	11.500	11.499	0.001	96	500178	5.00	5.34	
115 Styrene	104	11.518	11.512	0.006	95	807691	5.00	5.45	
116 Bromoform	173	11.670	11.670	0.000	98	145210	5.00	5.34	
117 Isopropylbenzene	105	11.804	11.804	0.000	95	1337054	5.00	5.80	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 120 4-Bromofluorobenzene (Surr)	95	11.951	11.951	0.000	94	557787	10.0	9.99	
121 1,1,2,2-Tetrachloroethane	83	12.054	12.054	0.000	93	227674	5.00	5.25	
122 Bromobenzene	156	12.066	12.066	0.000	97	311183	5.00	5.37	
123 trans-1,4-Dichloro-2-butene	53	12.079	12.079	0.000	92	297649	25.0	23.5	
124 1,2,3-Trichloropropane	110	12.097	12.097	0.000	82	62826	5.00	5.43	
125 N-Propylbenzene	91	12.134	12.133	0.001	99	1521909	5.00	5.40	
126 2-Chlorotoluene	126	12.213	12.213	0.000	97	308188	5.00	5.43	
127 1,3,5-Trimethylbenzene	105	12.274	12.274	0.000	94	1111616	5.00	5.38	
128 4-Chlorotoluene	126	12.304	12.304	0.000	97	310560	5.00	5.40	
129 tert-Butylbenzene	134	12.518	12.518	0.000	93	245577	5.00	5.46	M
130 Pentachloroethane	167	12.548	12.548	0.000	92	195399	5.00	5.40	
131 1,2,4-Trimethylbenzene	105	12.560	12.560	0.000	97	1111708	5.00	5.40	
132 sec-Butylbenzene	105	12.682	12.682	0.000	94	1449786	5.00	5.51	
133 1,3-Dichlorobenzene	146	12.780	12.780	0.000	98	604700	5.00	5.34	
134 4-Isopropyltoluene	119	12.792	12.792	0.000	97	1239012	5.00	5.43	
* 135 1,4-Dichlorobenzene-d4	152	12.835	12.835	0.001	93	665255	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.853	12.853	0.000	95	606824	5.00	5.23	
137 1,2,3-Trimethylbenzene	120	12.865	12.865	0.000	98	469273	5.00	5.02	
138 Benzyl chloride	126	12.932	12.932	0.000	98	91060	5.00	5.18	
139 n-Butylbenzene	92	13.085	13.084	0.001	97	602775	5.00	5.55	
140 1,2-Dichlorobenzene	146	13.115	13.109	0.006	99	564460	5.00	5.33	
142 1,2-Dibromo-3-Chloropropane	155	13.658	13.658	0.000	87	36978	5.00	5.37	
143 1,3,5-Trichlorobenzene	180	13.786	13.786	0.000	98	461109	5.00	5.55	
144 1,2,4-Trichlorobenzene	180	14.206	14.206	0.000	94	389645	5.00	5.64	
145 Hexachlorobutadiene	225	14.292	14.292	0.000	95	190035	5.00	5.90	
146 Naphthalene	128	14.383	14.383	0.000	97	727704	5.00	5.57	
147 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	95	323700	5.00	5.61	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00154	Amount Added:	12.50	Units: uL	
MSV_LCS_ACROL_00155	Amount Added:	12.50	Units: uL	
LCS_ETBR_00007	Amount Added:	12.50	Units: uL	
MSV_LCS_EE_00008	Amount Added:	12.50	Units: uL	
MSV_QC_Gas826_00184	Amount Added:	12.50	Units: uL	
MSV_LCS_Penta_00039	Amount Added:	12.50	Units: uL	
MSV_LLcentISS_00012	Amount Added:	5.00	Units: uL	Run Reagent

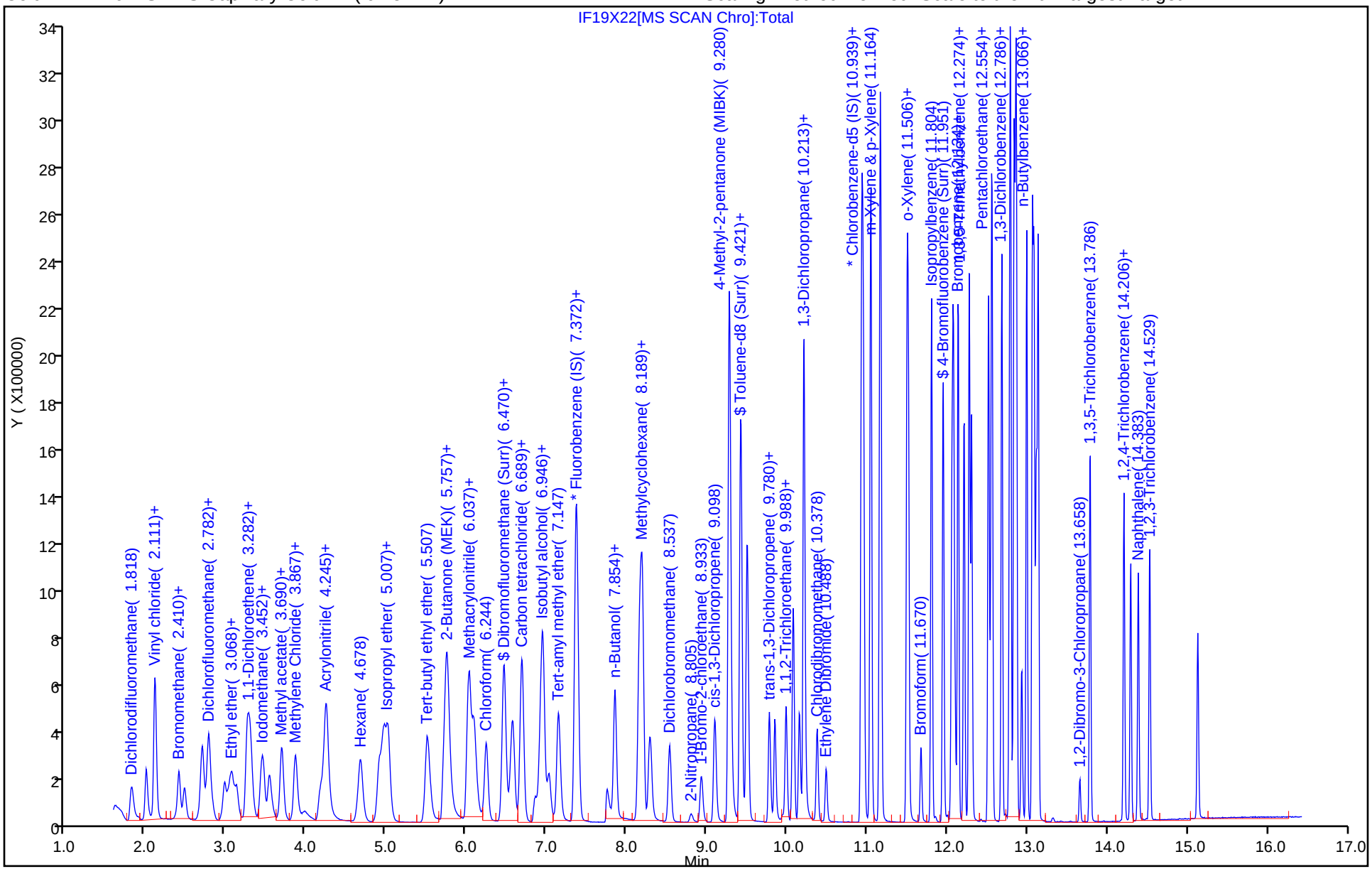
Report Date: 07-Mar-2024 15:44:43 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X22.D

Injection Date:	20-Feb-2024 06:56:30	Instrument ID:	19930	Operator ID:	gaw91131
Lims ID:	ICV			Worklist Smp#:	22
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

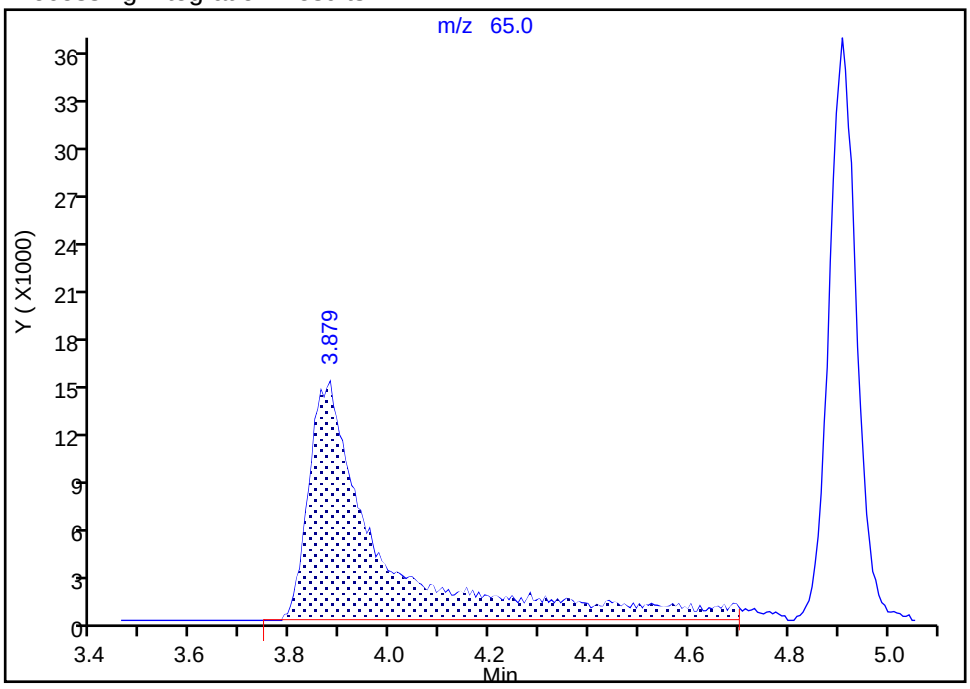
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X22.D
Injection Date: 20-Feb-2024 06:56:30 Instrument ID: 19930
Lims ID: ICV
Client ID:
Operator ID: gaw91131 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

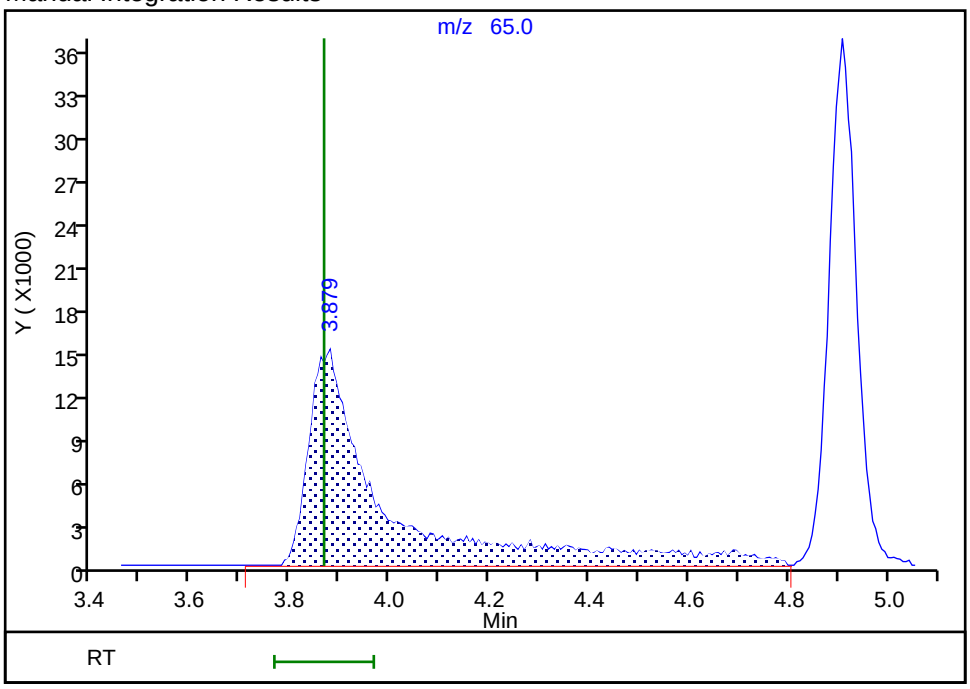
Processing Integration Results

RT: 3.88
Area: 153951
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.88
Area: 156772
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:58:58 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

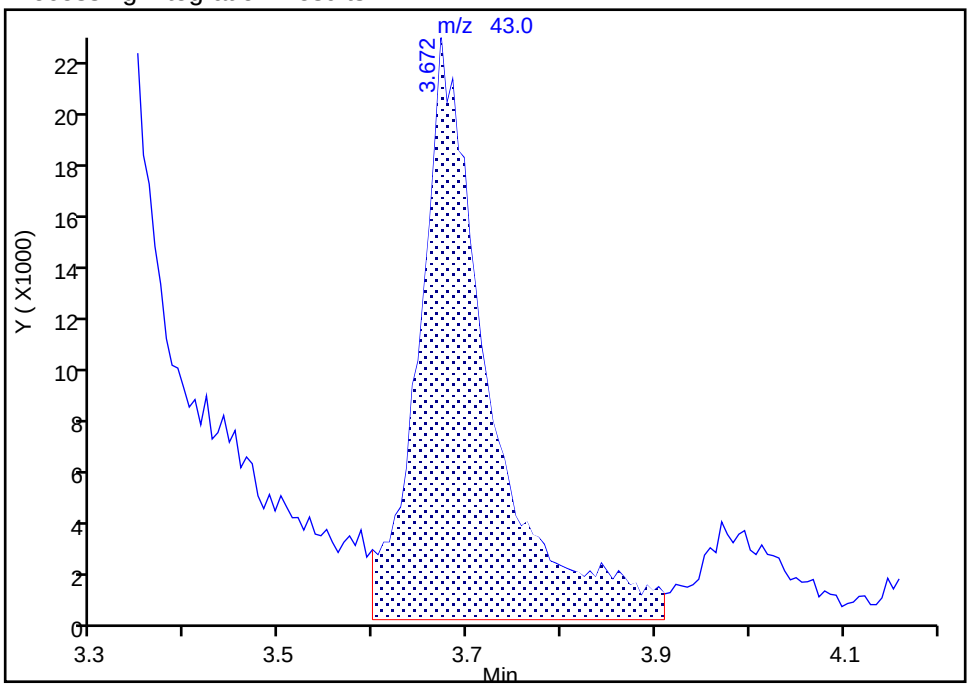
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X22.D
Injection Date: 20-Feb-2024 06:56:30 Instrument ID: 19930
Lims ID: ICV
Client ID:
Operator ID: gaw91131 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

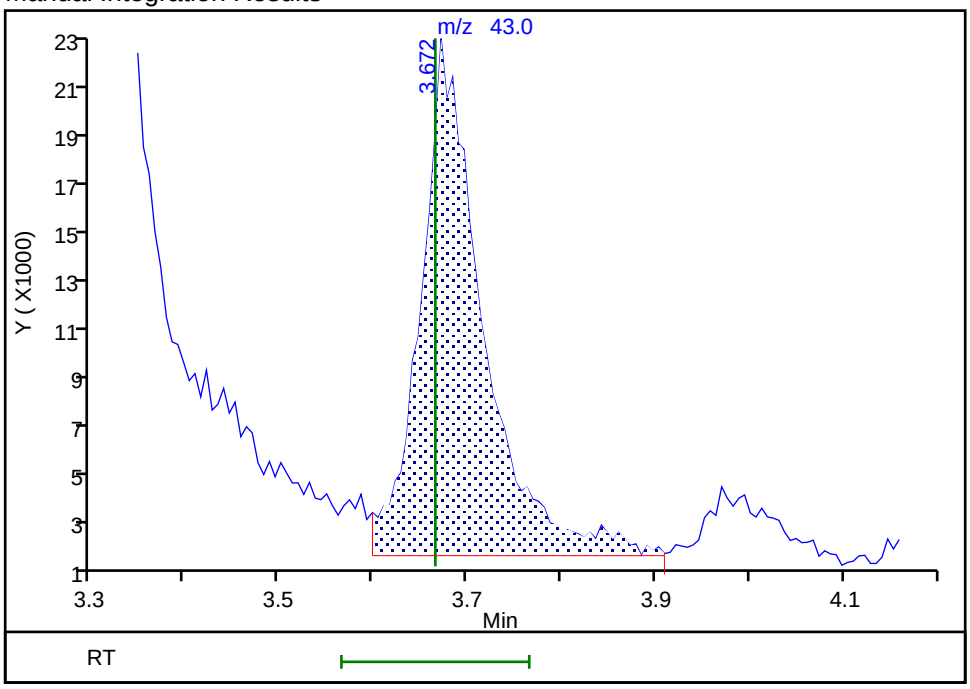
Processing Integration Results

RT: 3.67
Area: 112739
Amount: 5.370831
Amount Units: ug/l



Manual Integration Results

RT: 3.67
Area: 95887
Amount: 4.667790
Amount Units: ug/l



Reviewer: DVW2, 27-Feb-2024 12:58:51 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

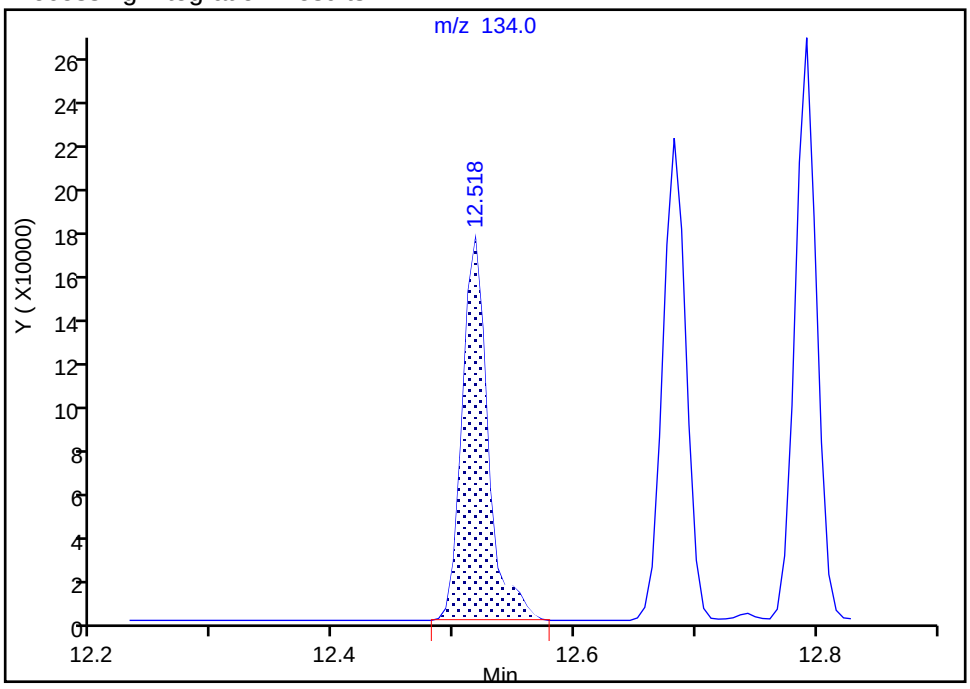
Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X22.D
Injection Date: 20-Feb-2024 06:56:30 Instrument ID: 19930
Lims ID: ICV
Client ID:
Operator ID: gaw91131 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

129 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

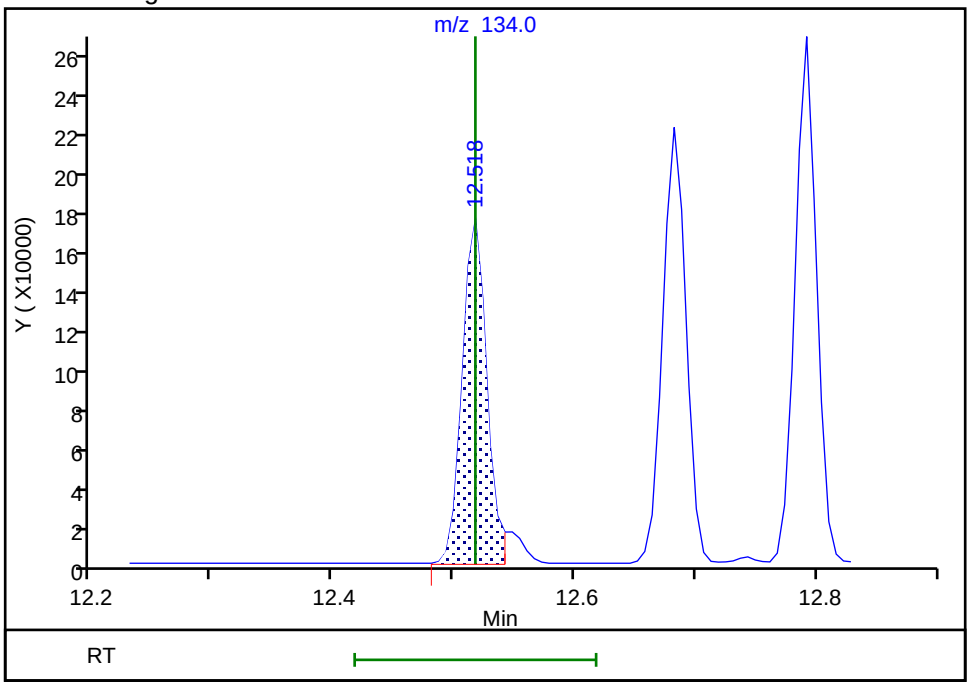
Processing Integration Results

RT: 12.52
Area: 259303
Amount: 5.766945
Amount Units: ug/l



Manual Integration Results

RT: 12.52
Area: 245577
Amount: 5.461676
Amount Units: ug/l



Reviewer: UKEK, 28-Feb-2024 09:24:19 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Lab Sample ID: CCVIS 410-515485/3 Calibration Date: 06/10/2024 10:36

Instrument ID: 19930 Calib Start Date: 02/20/2024 04:08

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2024 06:14

Lab File ID: IU10X02.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	0.4056	0.4431	0.1000	10.9	10.0	9.2	20.0
Chloromethane	Ave	0.4492	0.4080	0.1000	9.08	10.0	-9.2	20.0
Vinyl chloride	Ave	0.4154	0.4034	0.1000	9.71	10.0	-2.9	20.0
1,3-Butadiene	Ave	0.4186	0.4446		10.6	10.0	6.2	20.0
Bromomethane	Ave	0.2921	0.2887	0.1000	9.88	10.0	-1.2	20.0
Chloroethane	Ave	0.2354	0.2360	0.1000	10.0	10.0	0.2	20.0
Dichlorofluoromethane	Ave	0.6446	0.6391		9.91	10.0	-0.9	20.0
Trichlorofluoromethane	Ave	0.4711	0.4896	0.1000	10.4	10.0	3.9	20.0
Ethyl ether	Ave	0.2129	0.1995		9.37	10.0	-6.3	20.0
Freon 123a	Ave	0.3787	0.3467		9.15	10.0	-8.5	20.0
Acrolein	Ave	1.732	1.799		520	501	3.9	20.0
1,1-Dichloroethene	Ave	0.2532	0.2423	0.1000	9.57	10.0	-4.3	20.0
Acetone	Ave	2.290	2.427	0.1000	106	100	6.0	20.0
Freon 113	Ave	0.2613	0.2709	0.1000	10.4	10.0	3.7	20.0
Methyl iodide	Ave	0.5044	0.4882		9.68	10.0	-3.2	20.0
Ethyl bromide	Ave	0.2286	0.2258		9.89	10.0	-1.2	20.0
Carbon disulfide	Ave	0.7693	0.7150	0.1000	9.29	10.0	-7.1	20.0
Methyl acetate	Ave	6.552	6.884	0.1000	10.5	10.0	5.1	20.0
Allyl chloride	Ave	0.4897	0.4027		8.22	10.0	-17.8	20.0
Methylene Chloride	Ave	0.2802	0.2710	0.1000	9.67	10.0	-3.3	20.0
t-Butyl alcohol	Ave	0.9289	1.260		271	200	35.6*	20.0
Acrylonitrile	Ave	2.887	2.912		25.2	25.0	0.8	20.0
Methyl tert-butyl ether	Ave	0.7443	0.6847	0.1000	9.20	10.0	-8.0	20.0
trans-1,2-Dichloroethene	Ave	0.2868	0.2768	0.1000	9.65	10.0	-3.5	20.0
n-Hexane	Ave	0.3941	0.3776		9.58	10.0	-4.2	20.0
1,1-Dichloroethane	Ave	0.5461	0.5139	0.2000	9.41	10.0	-5.9	20.0
di-Isopropyl ether	Ave	0.9675	0.8363		8.64	10.0	-13.6	20.0
2-Chloro-1,3-butadiene	Ave	0.4616	0.4254		9.21	10.0	-7.9	20.0
Ethyl t-butyl ether	Ave	0.8806	0.7492		8.51	10.0	-14.9	20.0
2-Butanone (MEK)	Ave	4.108	4.143	0.1000	101	100	0.9	20.0
cis-1,2-Dichloroethene	Ave	0.3283	0.3210	0.1000	9.78	10.0	-2.2	20.0
2,2-Dichloropropane	Ave	0.4656	0.4429		9.51	10.0	-4.9	20.0
Propionitrile	Ave	1.160	1.165		201	200	0.4	20.0
Methacrylonitrile	Ave	4.150	3.999		96.4	100	-3.6	20.0
Bromochloromethane	Ave	0.1362	0.1443		10.6	10.0	5.9	20.0
Tetrahydrofuran	Ave	1.251	1.238		49.5	50.0	-1.0	20.0
Chloroform	Ave	0.5442	0.5255	0.2000	9.66	10.0	-3.4	20.0
1,1,1-Trichloroethane	Ave	0.4741	0.4742	0.1000	10.0	10.0	0.0	20.0
Cyclohexane	Ave	0.5052	0.4873	0.1000	9.65	10.0	-3.5	20.0
1,1-Dichloropropene	Ave	0.4156	0.4033		9.70	10.0	-3.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Lab Sample ID: CCVIS 410-515485/3 Calibration Date: 06/10/2024 10:36

Instrument ID: 19930 Calib Start Date: 02/20/2024 04:08

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2024 06:14

Lab File ID: IU10X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.4122	0.4359	0.1000	10.6	10.0	5.8	20.0
Isobutyl alcohol	Ave	0.3383	0.3460		511	500	2.3	20.0
Benzene	Ave	1.249	1.210	0.5000	9.68	10.0	-3.2	20.0
1,2-Dichloroethane	Ave	0.3248	0.3254	0.1000	10.0	10.0	0.2	20.0
t-Amyl methyl ether	Ave	0.7882	0.7102		9.01	10.0	-9.9	20.0
n-Heptane	Ave	0.4054	0.4163		10.3	10.0	2.7	20.0
n-Butanol	Lin1		0.3010		887	875	1.4	20.0
Trichloroethene	Ave	0.3267	0.3230	0.2000	9.89	10.0	-1.1	20.0
Methylcyclohexane	Ave	0.5115	0.5404	0.1000	10.6	10.0	5.6	20.0
1,2-Dichloropropane	Ave	0.3169	0.3102	0.1000	9.79	10.0	-2.1	20.0
1,4-Dioxane	Ave	0.0579	0.0827	0.0050	715	500	42.9*	20.0
Methyl methacrylate	Ave	7.656	7.590		9.91	10.0	-0.9	20.0
Dibromomethane	Ave	0.1451	0.1555		10.7	10.0	7.2	20.0
Bromodichloromethane	Ave	0.3774	0.3870	0.2000	10.3	10.0	2.5	20.0
2-Nitropropane	Ave	2.717	2.430		44.7	50.0	-10.6	20.0
1-Bromo-2-chloroethane	Ave	0.3102	0.3002		9.68	10.0	-3.2	20.0
cis-1,3-Dichloropropene	Ave	0.4705	0.4692	0.2000	9.97	10.0	-0.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	11.20	10.83	0.1000	96.6	100	-3.4	20.0
Toluene	Ave	1.064	1.030	0.4000	9.68	10.0	-3.2	20.0
trans-1,3-Dichloropropene	Ave	0.5061	0.5015	0.1000	9.91	10.0	-0.9	20.0
Ethyl methacrylate	Ave	0.4416	0.4003		9.06	10.0	-9.4	20.0
1,1,2-Trichloroethane	Ave	0.2931	0.2861	0.1000	9.76	10.0	-2.4	20.0
Tetrachloroethene	Ave	0.5114	0.5001	0.2000	9.78	10.0	-2.2	20.0
1,3-Dichloropropane	Ave	0.4946	0.4773		9.65	10.0	-3.5	20.0
2-Hexanone	Ave	8.005	7.659	0.1000	95.7	100	-4.3	20.0
Dibromochloromethane	Ave	0.3652	0.3766		10.3	10.0	3.1	20.0
1,2-Dibromoethane (EDB)	Ave	0.2730	0.2783	0.1000	10.2	10.0	1.9	20.0
1-Chlorohexane	Ave	0.5999	0.5669		9.45	10.0	-5.5	20.0
Chlorobenzene	Ave	1.167	1.165	0.5000	9.99	10.0	-0.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4212	0.4298		10.2	10.0	2.0	20.0
Ethylbenzene	Ave	2.090	2.017	0.1000	9.65	10.0	-3.5	20.0
m&p-Xylene	Ave	0.8176	0.8217	0.1000	20.1	20.0	0.5	20.0
o-Xylene	Ave	0.8139	0.8037	0.3000	9.87	10.0	-1.3	20.0
Styrene	Ave	1.288	1.278	0.3000	9.93	10.0	-0.7	20.0
Bromoform	Ave	0.2363	0.2454	0.1000	10.4	10.0	3.9	20.0
Isopropylbenzene	Ave	2.001	1.960	0.1000	9.79	10.0	-2.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6522	0.6330	0.3000	9.71	10.0	-2.9	20.0
Bromobenzene	Ave	0.8711	0.8501		9.76	10.0	-2.4	20.0
trans-1,4-Dichloro-2-butene	Ave	4.039	3.763		93.2	100	-6.8	20.0
1,2,3-Trichloropropane	Ave	0.1741	0.1729		9.93	10.0	-0.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Lab Sample ID: CCVIS 410-515485/3 Calibration Date: 06/10/2024 10:36

Instrument ID: 19930 Calib Start Date: 02/20/2024 04:08

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/20/2024 06:14

Lab File ID: IU10X02.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
N-Propylbenzene	Ave	4.233	3.966		9.37	10.0	-6.3	20.0
2-Chlorotoluene	Ave	0.8539	0.8377		9.81	10.0	-1.9	20.0
1,3,5-Trimethylbenzene	Ave	3.104	2.949		9.50	10.0	-5.0	20.0
4-Chlorotoluene	Ave	0.8649	0.8397		9.71	10.0	-2.9	20.0
tert-Butylbenzene	Ave	0.6759	0.6965		10.3	10.0	3.1	20.0
Pentachloroethane	Ave	0.5439	0.5690		10.5	10.0	4.6	20.0
1,2,4-Trimethylbenzene	Ave	3.092	3.011		9.74	10.0	-2.6	20.0
sec-Butylbenzene	Ave	3.955	3.881		9.81	10.0	-1.9	20.0
1,3-Dichlorobenzene	Ave	1.704	1.687	0.6000	9.90	10.0	-1.0	20.0
p-Isopropyltoluene	Ave	3.432	3.412		9.94	10.0	-0.6	20.0
1,4-Dichlorobenzene	Ave	1.744	1.684	0.5000	9.66	10.0	-3.4	20.0
1,2,3-Trimethylbenzene	Ave	1.405	1.357		9.66	10.0	-3.4	20.0
Benzyl chloride	Ave	0.2641	0.2887		10.9	10.0	9.3	20.0
n-Butylbenzene	Ave	1.633	1.664		10.2	10.0	1.9	20.0
1,2-Dichlorobenzene	Ave	1.591	1.554	0.4000	9.77	10.0	-2.3	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1035	0.1068	0.0500	10.3	10.0	3.2	20.0
1,3,5-Trichlorobenzene	Ave	1.248	1.264		10.1	10.0	1.3	20.0
1,2,4-Trichlorobenzene	Ave	1.039	1.080	0.2000	10.4	10.0	4.0	20.0
Hexachlorobutadiene	Ave	0.4841	0.5334		11.0	10.0	10.2	20.0
Naphthalene	Ave	1.963	1.988		10.1	10.0	1.3	20.0
1,2,3-Trichlorobenzene	Ave	0.8668	0.9282		10.7	10.0	7.1	20.0
Dibromofluoromethane (Surr)	Ave	0.2406	0.2511		10.4	10.0	4.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0497	0.0515		10.4	10.0	3.6	20.0
Toluene-d8 (Surr)	Ave	1.314	1.299		9.89	10.0	-1.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4851	0.4996		10.3	10.0	3.0	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X02.D
Lims ID: CCVIS VSTD10
Client ID:
Sample Type: CCVIS
Inject. Date: 10-Jun-2024 10:36:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-003
Misc. Info.: CCVIS
Operator ID: knk41612 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 10-Jun-2024 12:12:08 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 10-Jun-2024 11:10:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.818	1.818	0.000	99	495610	10.0	10.9	
4 Chloromethane	50	2.001	2.001	0.000	99	456266	10.0	9.08	
5 Vinyl chloride	62	2.111	2.111	0.000	98	451218	10.0	9.71	
6 Butadiene	39	2.117	2.117	0.000	93	497212	10.0	10.6	
7 Bromomethane	94	2.416	2.416	0.000	92	322881	10.0	9.88	
8 Chloroethane	64	2.489	2.489	0.000	100	263904	10.0	10.0	
9 Dichlorofluoromethane	67	2.715	2.715	0.000	97	714767	10.0	9.91	
10 Trichlorofluoromethane	101	2.776	2.776	0.000	97	547637	10.0	10.4	
11 Ethyl ether	59	2.989	2.989	0.000	90	223073	10.0	9.37	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.080	3.080	0.000	92	387750	10.0	9.15	
14 Acrolein	56	3.147	3.147	0.000	99	1929144	501.1	520.4	
15 1,1-Dichloroethene	96	3.276	3.276	0.000	98	270979	10.0	9.57	
16 Acetone	43	3.306	3.306	0.000	100	519335	100.0	106.0	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.318	3.318	0.000	91	302957	10.0	10.4	
18 Iodomethane	142	3.458	3.458	0.000	99	545995	10.0	9.68	
19 Ethyl bromide	108	3.483	3.483	0.000	98	252927	10.0	9.89	
20 Carbon disulfide	76	3.556	3.556	0.000	99	799704	10.0	9.29	
23 Methyl acetate	43	3.696	3.696	0.000	96	147318	10.0	10.5	
24 3-Chloro-1-propene	41	3.714	3.714	0.000	93	450421	10.0	8.22	
25 Methylene Chloride	84	3.891	3.891	0.000	91	303087	10.0	9.67	
* 26 t-Butyl alcohol-d10 (IS)	65	3.903	3.903	0.000	97	106993	50.0	50.0	
27 2-Methyl-2-propanol	59	4.025	4.025	0.000	99	539033	200.0	271.2	
28 Acrylonitrile	53	4.220	4.220	0.000	80	155772	25.0	25.2	
29 Methyl tert-butyl ether	73	4.263	4.263	0.000	99	765795	10.0	9.20	
30 trans-1,2-Dichloroethene	96	4.281	4.281	0.000	99	309534	10.0	9.65	
31 Hexane	57	4.708	4.708	0.000	92	422299	10.0	9.58	
32 1,1-Dichloroethane	63	4.940	4.940	0.000	96	574732	10.0	9.41	
35 Isopropyl ether	45	5.001	5.001	0.000	93	935399	10.0	8.64	
36 2-Chloro-1,3-butadiene	53	5.050	5.050	0.000	91	475738	10.0	9.21	
37 Tert-butyl ethyl ether	59	5.543	5.543	0.000	97	837893	10.0	8.51	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 2-Butanone (MEK)	43	5.757	5.757	0.000	99	886627	100.0	100.9	
39 cis-1,2-Dichloroethene	96	5.775	5.775	0.000	82	359066	10.0	9.78	
40 2,2-Dichloropropane	77	5.793	5.793	0.000	87	495385	10.0	9.51	
43 Propionitrile	54	5.842	5.842	0.000	99	498383	200.0	200.8	
45 Methacrylonitrile	67	6.049	6.049	0.000	91	855722	100.0	96.4	
46 Chlorobromomethane	128	6.116	6.116	0.000	90	161358	10.0	10.6	
47 Tetrahydrofuran	71	6.129	6.129	0.000	79	132493	50.0	49.5	
48 Chloroform	83	6.269	6.269	0.000	93	587710	10.0	9.66	
$ 49 Dibromofluoromethane (Surr)	113	6.482	6.482	0.000	94	280818	10.0	10.4	
50 1,1,1-Trichloroethane	97	6.488	6.488	0.000	98	530415	10.0	10.0	
51 Cyclohexane	56	6.592	6.592	0.000	90	545033	10.0	9.65	
54 Carbon tetrachloride	117	6.714	6.714	0.000	87	487499	10.0	10.6	
53 1,1-Dichloropropene	75	6.714	6.714	0.000	95	451029	10.0	9.70	
55 Isobutyl alcohol	41	6.878	6.878	0.000	92	370196	500.0	511.3	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.933	6.933	0.000	88	57552	10.0	10.4	
57 Benzene	78	6.970	6.970	0.000	96	1353040	10.0	9.68	
58 1,2-Dichloroethane	62	7.043	7.043	0.000	98	363945	10.0	10.0	
60 Tert-amyl methyl ether	73	7.165	7.165	0.000	99	794256	10.0	9.01	
* 61 Fluorobenzene (IS)	96	7.378	7.378	0.000	99	1118432	10.0	10.0	
62 n-Heptane	43	7.397	7.397	0.000	91	465619	10.0	10.3	
63 n-Butanol	56	7.769	7.769	0.000	88	563517	875.0	887.1	
64 Trichloroethene	95	7.860	7.860	0.000	97	361253	10.0	9.89	
65 Methylcyclohexane	83	8.165	8.165	0.000	92	604422	10.0	10.6	
66 1,2-Dichloropropane	63	8.189	8.189	0.000	92	346981	10.0	9.79	
67 Methyl methacrylate	69	8.287	8.287	0.000	89	162421	10.0	9.91	
68 1,4-Dioxane	88	8.287	8.287	0.000	36	88470	500.0	714.6	
69 Dibromomethane	93	8.305	8.305	0.000	92	173968	10.0	10.7	
71 Dichlorobromomethane	83	8.537	8.537	0.000	99	432821	10.0	10.3	
72 2-Nitropropane	41	8.805	8.805	0.000	99	259955	50.0	44.7	
75 1-Bromo-2-chloroethane	63	8.933	8.933	0.000	98	335707	10.0	9.68	
76 cis-1,3-Dichloropropene	75	9.098	9.098	0.000	97	524778	10.0	9.97	
77 4-Methyl-2-pentanone (MIBK)	43	9.280	9.280	0.000	96	2316956	100.0	96.6	
$ 78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1148115	10.0	9.89	
79 Toluene	92	9.500	9.500	0.000	98	910314	10.0	9.68	
97 trans-1,3-Dichloropropene	75	9.774	9.774	0.000	92	443085	10.0	9.91	
99 Ethyl methacrylate	69	9.841	9.841	0.000	89	353657	10.0	9.06	
100 1,1,2-Trichloroethane	97	9.982	9.982	0.000	90	252809	10.0	9.76	
101 Tetrachloroethene	166	10.067	10.067	0.000	98	441855	10.0	9.78	
102 1,3-Dichloropropane	76	10.146	10.146	0.000	89	421676	10.0	9.65	
103 2-Hexanone	43	10.201	10.201	0.000	96	1638938	100.0	95.7	
105 Chlorodibromomethane	129	10.366	10.366	0.000	90	332777	10.0	10.3	
106 Ethylene Dibromide	107	10.475	10.475	0.000	98	245855	10.0	10.2	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	87	883552	10.0	10.0	
108 1-Chlorohexane	91	10.926	10.926	0.000	97	500926	10.0	9.45	
109 Chlorobenzene	112	10.939	10.939	0.000	96	1029574	10.0	9.99	
111 1,1,1,2-Tetrachloroethane	131	11.024	11.024	0.000	96	379761	10.0	10.2	
112 Ethylbenzene	91	11.030	11.030	0.000	98	1782230	10.0	9.65	
113 m-Xylene & p-Xylene	106	11.146	11.146	0.000	93	1452043	20.0	20.1	
114 o-Xylene	106	11.475	11.475	0.000	96	710071	10.0	9.87	
115 Styrene	104	11.493	11.493	0.000	95	1129418	10.0	9.93	
116 Bromoform	173	11.652	11.652	0.000	98	216792	10.0	10.4	
117 Isopropylbenzene	105	11.780	11.780	0.000	95	1731771	10.0	9.79	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	95	441453	10.0	10.3	
121 1,1,2,2-Tetrachloroethane	83	12.024	12.024	0.000	93	339871	10.0	9.71	
122 Bromobenzene	156	12.036	12.036	0.000	94	456425	10.0	9.76	
123 trans-1,4-Dichloro-2-butene	53	12.048	12.048	0.000	93	805206	100.0	93.2	
124 1,2,3-Trichloropropane	110	12.073	12.073	0.000	81	92834	10.0	9.93	
125 N-Propylbenzene	91	12.109	12.109	0.000	99	2129537	10.0	9.37	
126 2-Chlorotoluene	126	12.182	12.182	0.000	97	449764	10.0	9.81	
127 1,3,5-Trimethylbenzene	105	12.249	12.249	0.000	94	1583408	10.0	9.50	
128 4-Chlorotoluene	126	12.280	12.280	0.000	97	450848	10.0	9.71	
129 tert-Butylbenzene	134	12.487	12.487	0.000	93	373963	10.0	10.3	
130 Pentachloroethane	167	12.518	12.518	0.000	91	305513	10.0	10.5	
131 1,2,4-Trimethylbenzene	105	12.530	12.530	0.000	96	1616649	10.0	9.74	
132 sec-Butylbenzene	105	12.652	12.652	0.000	94	2083697	10.0	9.81	
133 1,3-Dichlorobenzene	146	12.749	12.749	0.000	98	905854	10.0	9.90	
134 4-Isopropyltoluene	119	12.761	12.761	0.000	97	1831662	10.0	9.94	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	93	536904	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.822	12.822	0.000	94	904359	10.0	9.66	
137 1,2,3-Trimethylbenzene	120	12.835	12.835	0.000	98	728489	10.0	9.66	
138 Benzyl chloride	126	12.896	12.896	0.000	98	154995	10.0	10.9	
139 n-Butylbenzene	92	13.048	13.048	0.000	97	893399	10.0	10.2	
140 1,2-Dichlorobenzene	146	13.078	13.078	0.000	99	834089	10.0	9.77	
142 1,2-Dibromo-3-Chloropropane	155	13.621	13.621	0.000	88	57355	10.0	10.3	
143 1,3,5-Trichlorobenzene	180	13.749	13.749	0.000	98	678602	10.0	10.1	
144 1,2,4-Trichlorobenzene	180	14.170	14.170	0.000	94	579976	10.0	10.4	
145 Hexachlorobutadiene	225	14.249	14.249	0.000	96	286364	10.0	11.0	
146 Naphthalene	128	14.347	14.347	0.000	97	1067584	10.0	10.1	
147 1,2,3-Trichlorobenzene	180	14.487	14.487	0.000	96	498366	10.0	10.7	
165 Isopropyl alcohol	45		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
155 2-Methylnaphthalene	142		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

MSV_LL_#1_826_00130	Amount Added: 20.00	Units: uL	
MSV_LL_#2_826_00139	Amount Added: 20.00	Units: uL	
MSV_LL_GAS524_00161	Amount Added: 20.00	Units: uL	
MSV_LLcentISS_00012	Amount Added: 5.00	Units: uL	Run Reagent

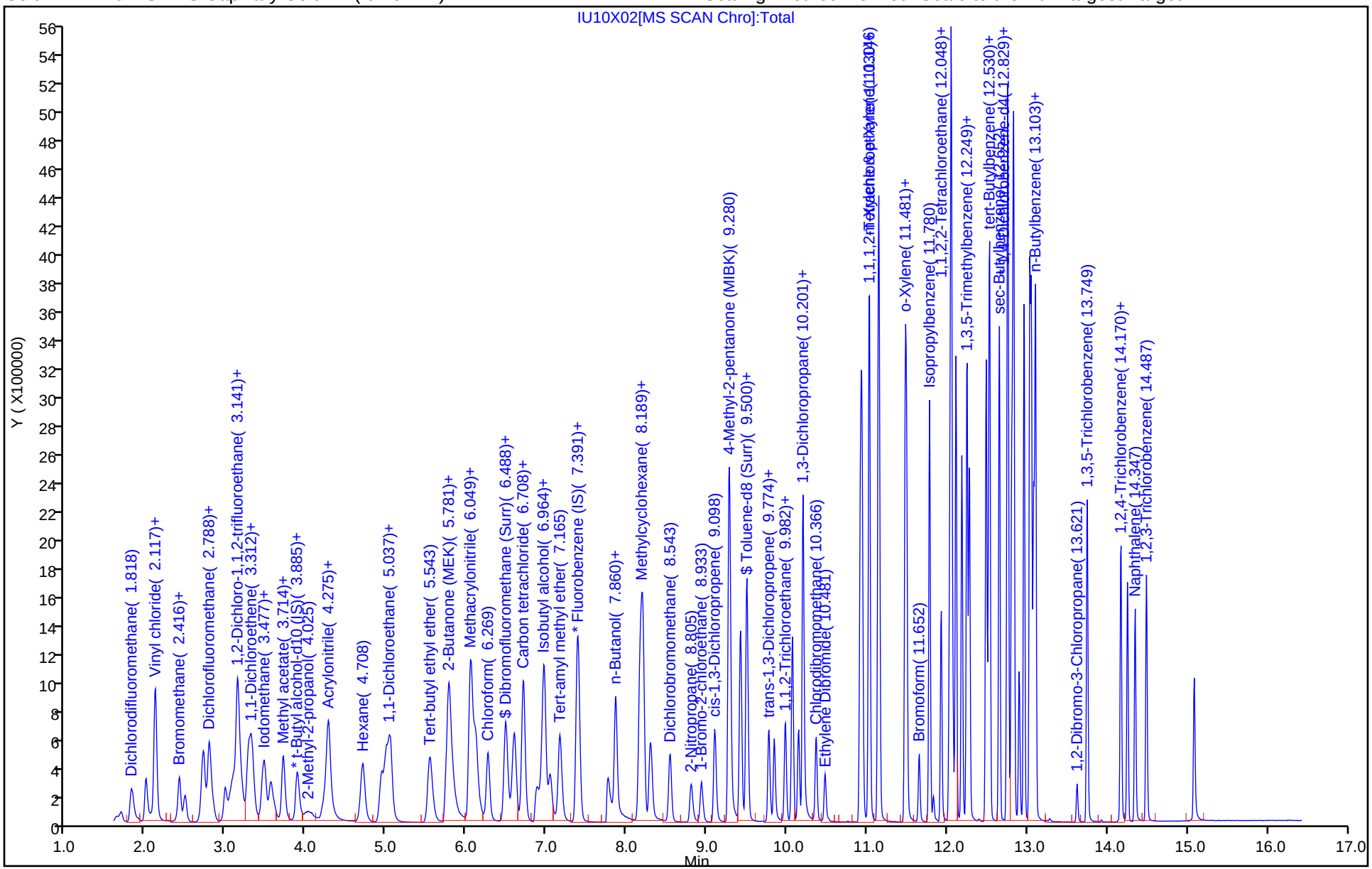
Report Date: 10-Jun-2024 12:12:11 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X02.D

Injection Date:	10-Jun-2024 10:36:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	CCVIS VSTD10			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19T01.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	19-Feb-2024 22:20:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0106710-001				
Misc. Info.:	bfb				
Operator ID:	gaw91131	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240219-106710.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	26-Feb-2024 13:13:34	Calib Date:	20-Feb-2024 04:53:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1623				
First Level Reviewer: JS6E		Date:	19-Feb-2024 22:33:48		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 168 BFB	95	5.042	5.042	0.000	90	362532	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

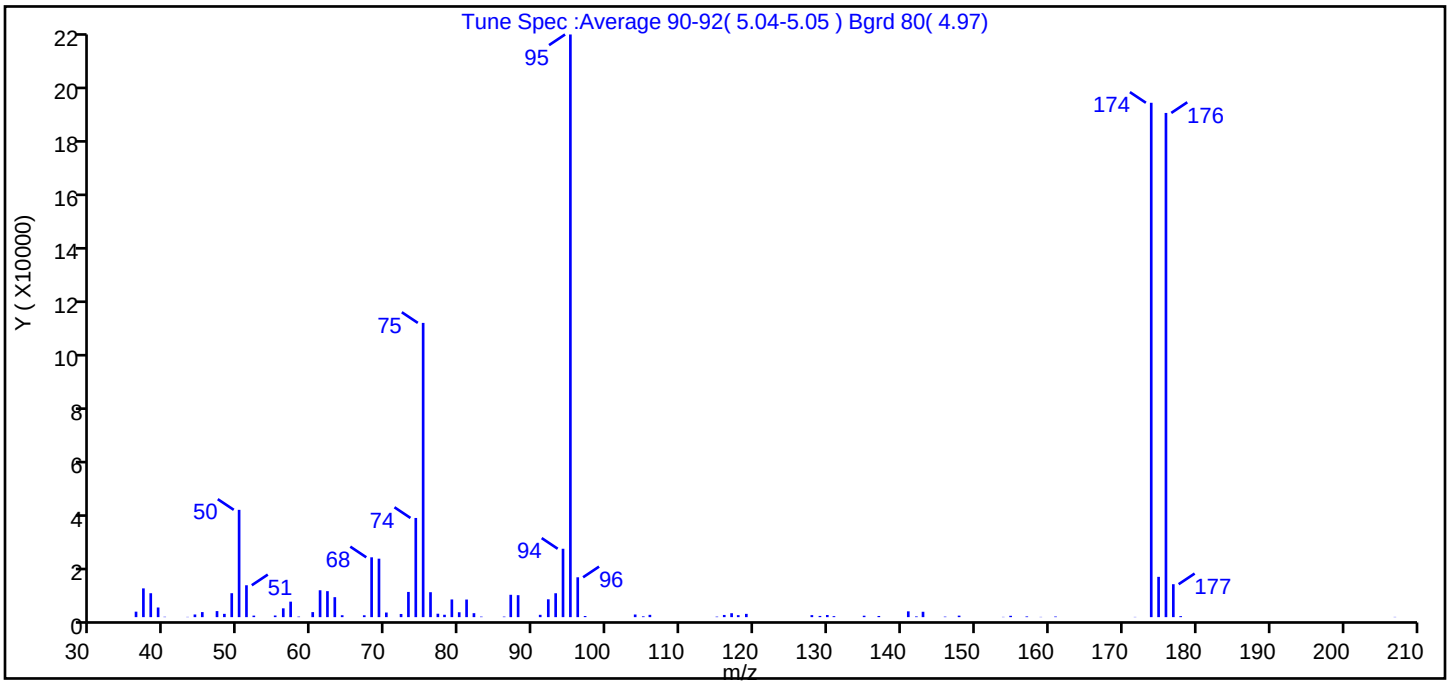
MSV_V_BFB_00016 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19T01.D
Injection Date: 19-Feb-2024 22:20:30 Instrument ID: 16334
Lims ID: bfb
Client ID:
Operator ID: gaw91131 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.4
75	30 to 60% of m/z 95	50.5
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	88.3
175	5 to 9% of m/z 174	6.9 (7.8)
176	Greater than 95% but less than 101% of m/z 174	86.5 (98.0)
177	5 to 9% of m/z 176	5.7 (6.5)

Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19T01.D\MSV_16334_25mL.rslt\spectra.
Injection Date: 19-Feb-2024 22:20:30
Spectrum: Tune Spec :Average 90-92(5.04-5.05) Bgrd 80(4.97)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 80

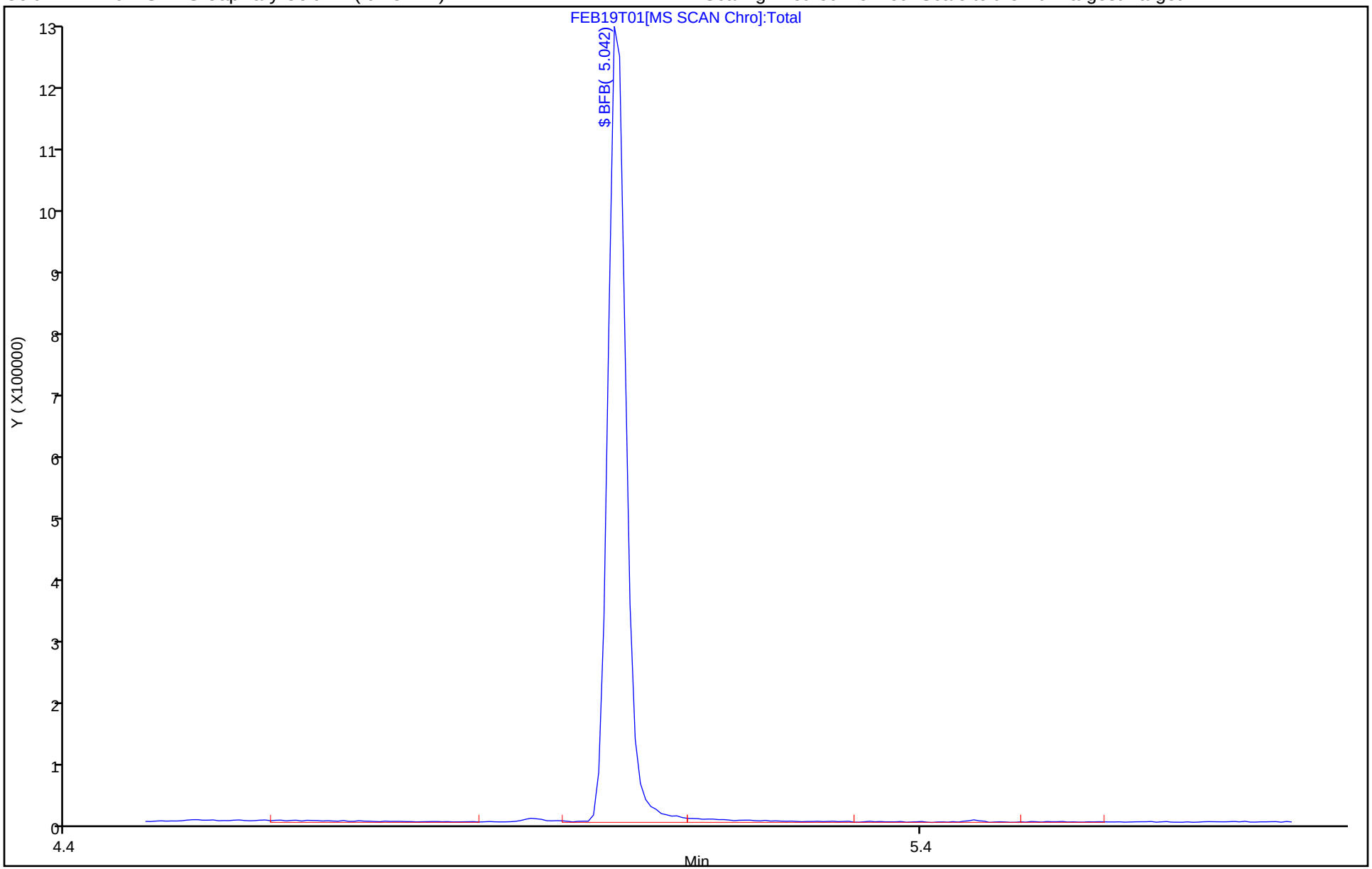
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2007	62.00	9495	87.00	8167	131.00	362
37.00	10511	63.00	7299	88.00	8028	135.00	523
38.00	8741	64.00	698	91.00	849	137.00	425
39.00	3526	67.00	682	92.00	6524	141.00	2121
40.00	134	68.00	21864	93.00	8732	142.00	266
43.00	93	69.00	21368	94.00	24992	143.00	1966
44.00	973	70.00	1686	95.00	212928	146.00	186
45.00	1845	72.00	1158	96.00	14567	148.00	549
47.00	2211	73.00	9212	97.00	415	154.00	95
48.00	1208	74.00	36248	104.00	965	155.00	490
49.00	8747	75.00	107528	105.00	287	157.00	264
50.00	39216	76.00	9115	106.00	843	159.00	89
51.00	11655	77.00	1257	115.00	184	161.00	225
52.00	559	78.00	872	116.00	799	172.00	83
55.00	595	79.00	6468	117.00	1436	174.00	187968
56.00	3221	80.00	1787	118.00	727	175.00	14727
57.00	5659	81.00	6435	119.00	1201	176.00	184256
58.00	199	82.00	1446	128.00	737	177.00	12036
60.00	1839	83.00	188	129.00	445	178.00	361
61.00	9824	86.00	192	130.00	778	207.00	87

Report Date: 26-Feb-2024 13:13:34 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19T01.D				
Injection Date:	19-Feb-2024 22:20:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11T01.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	11-Jun-2024 10:07:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0116322-001				
Misc. Info.:	BFB				
Operator ID:	knk41612	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	12-Jun-2024 07:22:20	Calib Date:	20-Feb-2024 04:53:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1634				
First Level Reviewer: FQ4L		Date:	12-Jun-2024 07:22:20		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 168 BFB	95	5.030	5.030	0.000	88	202815	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

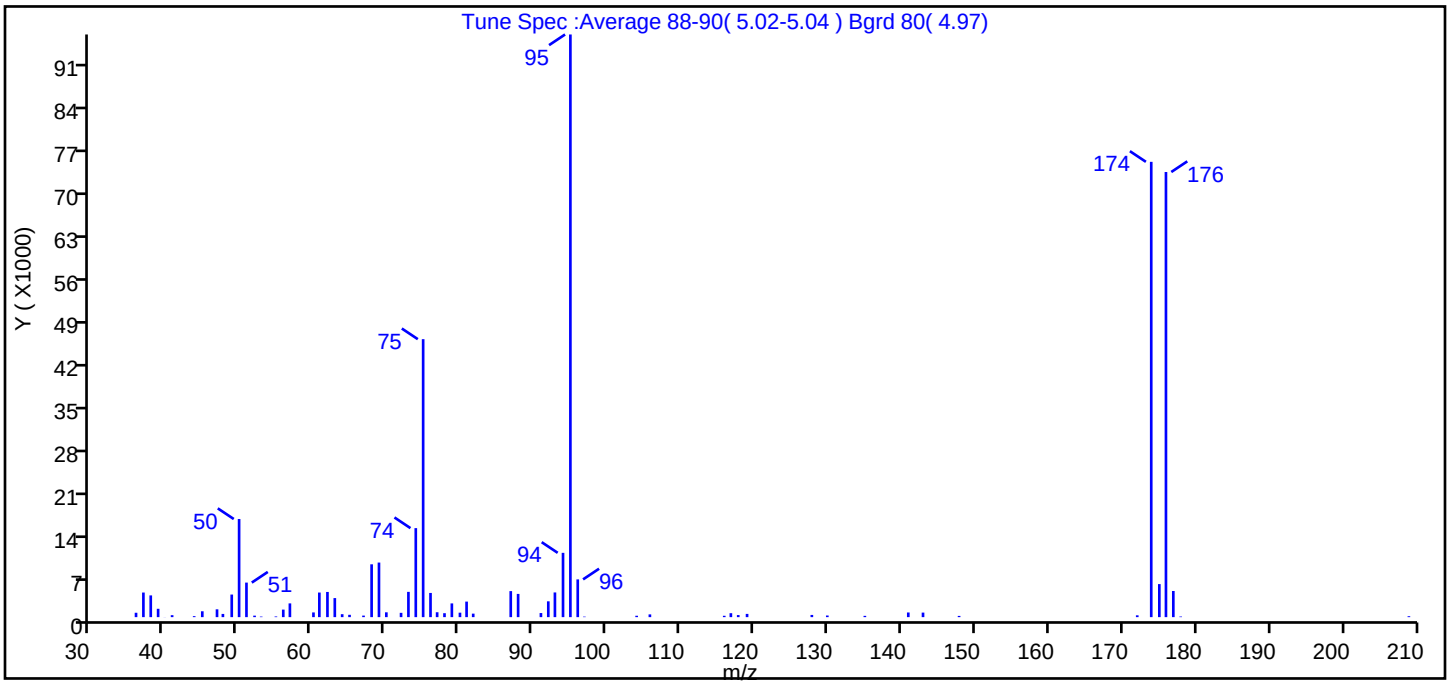
MSV_V_BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11T01.D				
Injection Date:	11-Jun-2024 10:07:30	Instrument ID:	16334		
Lims ID:	BFB				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Tune Method:	BFB Method 8260				

$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.8
75	30 to 60% of m/z 95	47.7
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	78.1
175	5 to 9% of m/z 174	5.7 (7.3)
176	Greater than 95% but less than 101% of m/z 174	76.4 (97.8)
177	5 to 9% of m/z 176	4.5 (5.9)

Data File: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11T01.D\MSV_16334_25mL.rslt\spectra.d
Injection Date: 11-Jun-2024 10:07:30
Spectrum: Tune Spec :Average 88-90(5.02-5.04) Bgrd 80(4.97)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	721	57.00	2261	78.00	649	117.00	650
37.00	4045	60.00	776	79.00	2258	118.00	340
38.00	3574	61.00	4045	80.00	735	119.00	533
39.00	1373	62.00	4141	81.00	2556	128.00	363
40.00	14	63.00	3133	82.00	577	130.00	268
41.00	324	64.00	486	87.00	4278	135.00	213
44.00	161	65.00	386	88.00	3820	141.00	766
45.00	966	67.00	255	91.00	673	143.00	747
47.00	1287	68.00	8685	92.00	2601	148.00	203
48.00	529	69.00	8973	93.00	4060	172.00	300
49.00	3714	70.00	795	94.00	10572	174.00	74848
50.00	16129	72.00	708	95.00	95784	175.00	5433
51.00	5679	73.00	4156	96.00	6206	176.00	73176
52.00	247	74.00	14634	97.00	83	177.00	4298
53.00	93	75.00	45696	104.00	229	178.00	99
55.00	112	76.00	3978	106.00	453	209.00	149
56.00	1241	77.00	804	116.00	224		

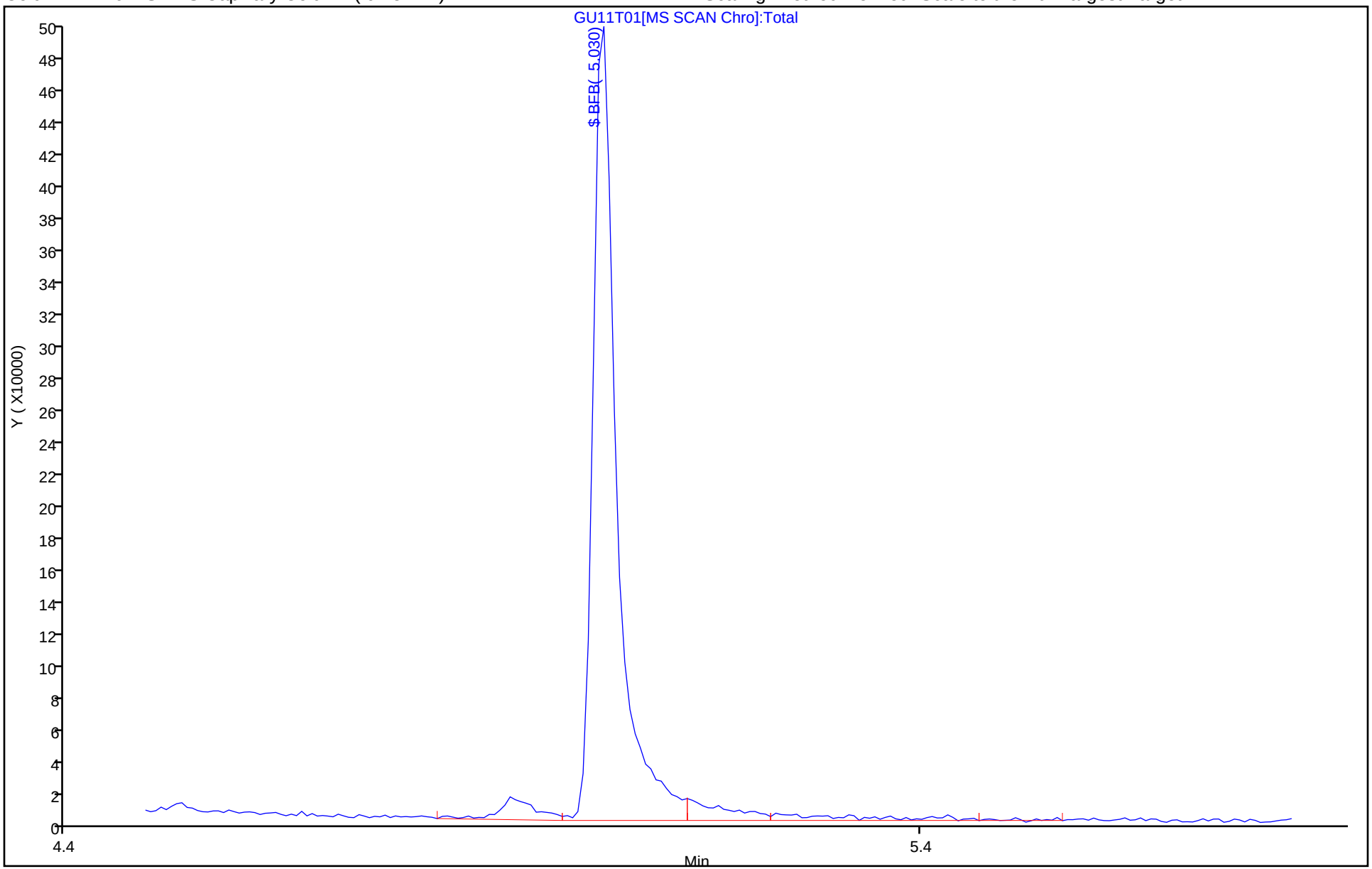
Report Date: 12-Jun-2024 07:22:20 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11T01.D

Injection Date:	11-Jun-2024 10:07:30	Instrument ID:	16334	Operator ID:	knk41612
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 19-Feb-2024 22:22:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0106711-001
Misc. Info.: BFB
Operator ID: gaw91131 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 07-Mar-2024 15:44:40 Calib Date: 20-Feb-2024 06:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19X20.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1680

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 167 BFB	95	4.989	4.989	0.000	0	317960	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

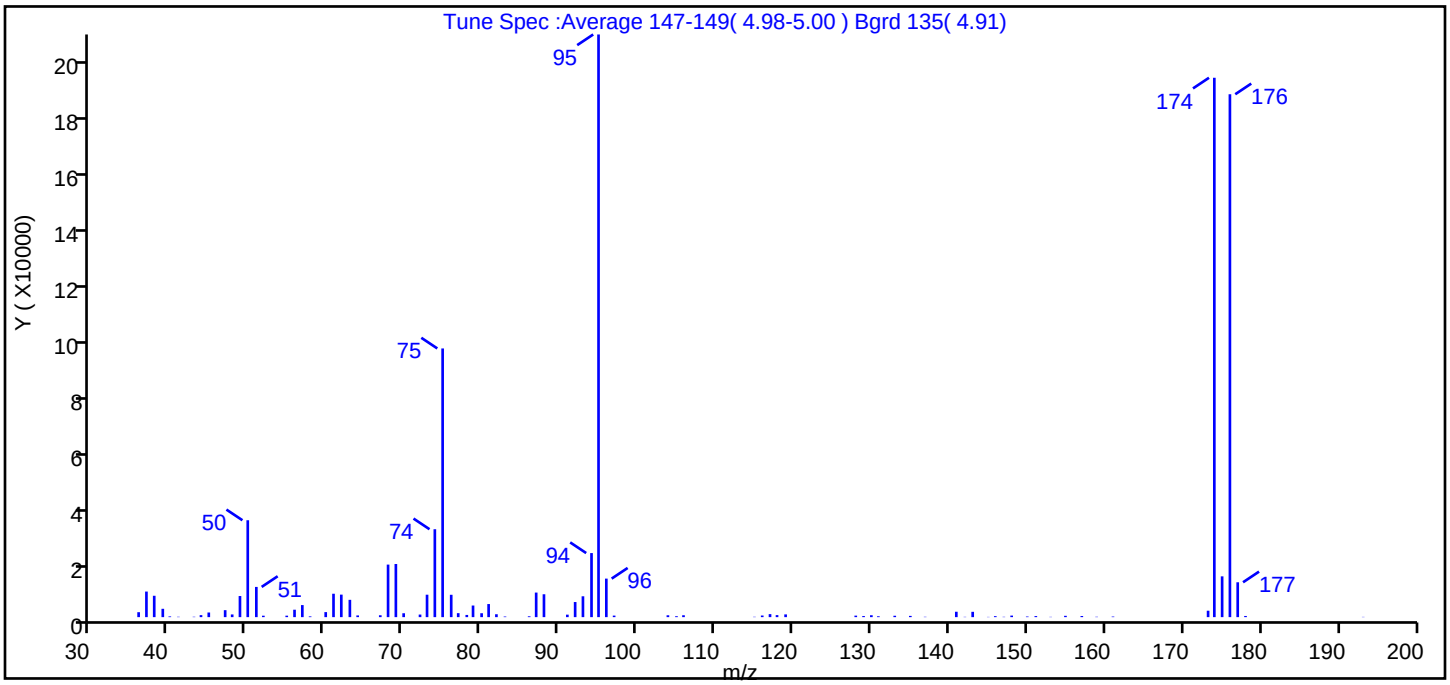
MSV_V_BFB_00016 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19T01.D
Injection Date: 19-Feb-2024 22:22:30 Instrument ID: 19930
Lims ID: BFB
Client ID:
Operator ID: gaw91131 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 167 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.6
75	30 to 60% of m/z 95	46.1
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	1.1 (1.2)
174	50 to 120% of m/z 95	92.6
175	5 to 9% of m/z 174	7.0 (7.6)
176	Greater than 95% but less than 101% of m/z 174	89.7 (96.9)
177	5 to 9% of m/z 176	6.0 (6.7)

Data File: \\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19T01.D\8260 25ml HP31.rslt\spectra.d
Injection Date: 19-Feb-2024 22:22:30
Spectrum: Tune Spec :Average 147-149(4.98-5.00) Bgrd 135(4.91)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 86

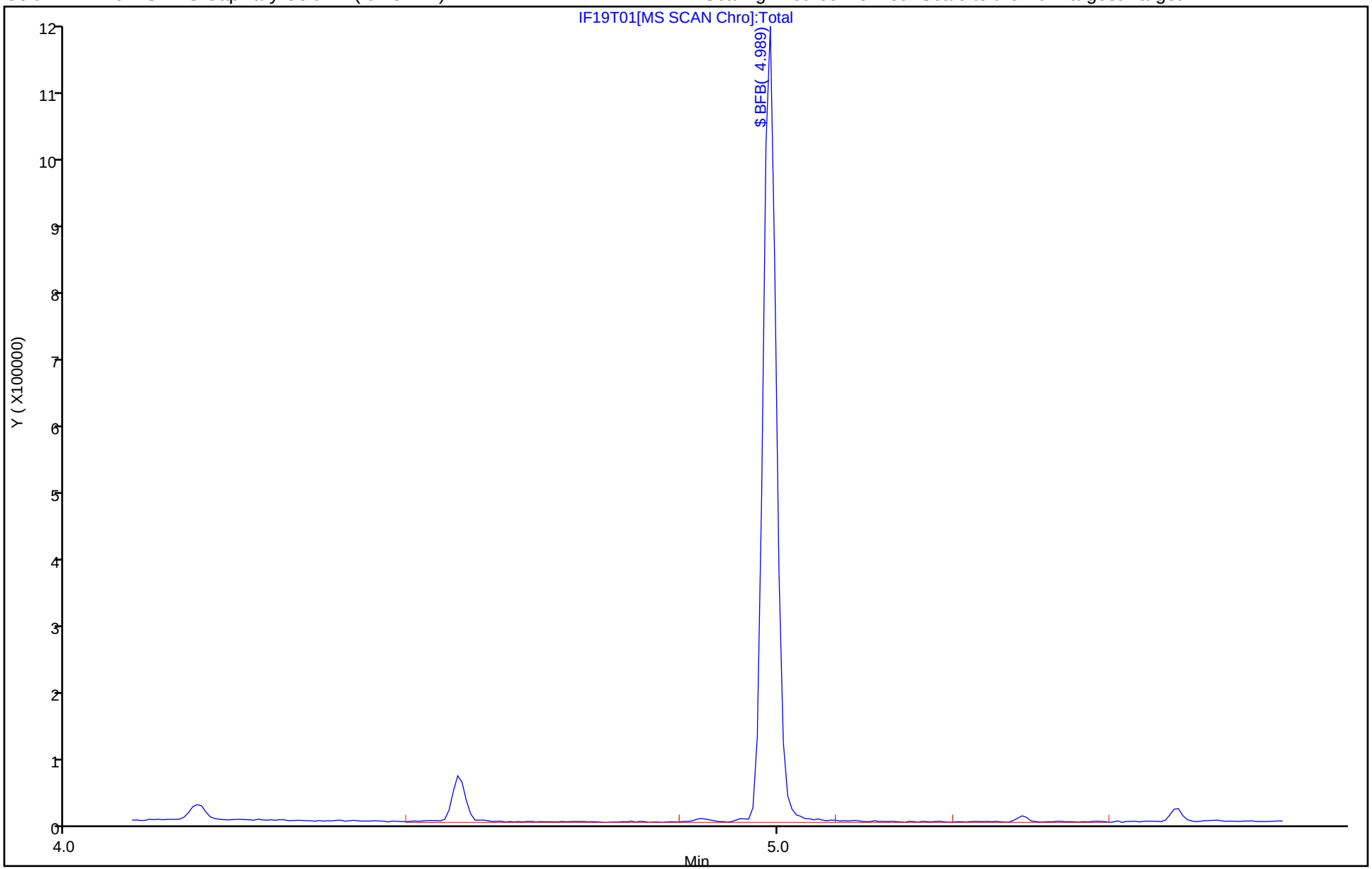
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1746	63.00	6119	92.00	5340	142.00	106
37.00	9042	64.00	602	93.00	7371	143.00	1884
38.00	7553	67.00	663	94.00	22640	145.00	87
39.00	2949	68.00	18568	95.00	205888	146.00	347
40.00	256	69.00	18776	96.00	13613	147.00	118
41.00	130	70.00	1376	97.00	546	148.00	550
43.00	136	72.00	913	104.00	661	150.00	220
44.00	709	73.00	7930	105.00	329	151.00	377
45.00	1640	74.00	31064	106.00	668	153.00	102
47.00	2466	75.00	94944	115.00	123	155.00	470
48.00	954	76.00	7901	116.00	576	157.00	393
49.00	7462	77.00	1407	117.00	1065	159.00	133
50.00	34240	78.00	779	118.00	719	161.00	205
51.00	10682	79.00	4105	119.00	970	173.00	2272
52.00	508	80.00	1384	128.00	535	174.00	190592
55.00	520	81.00	4626	129.00	383	175.00	14413
56.00	2626	82.00	1026	130.00	672	176.00	184768
57.00	4260	83.00	217	131.00	303	177.00	12320
58.00	263	86.00	297	133.00	492	178.00	415
60.00	1779	87.00	8683	135.00	442	193.00	89
61.00	8273	88.00	8086	137.00	124		
62.00	7957	91.00	880	141.00	1908		

Report Date: 07-Mar-2024 15:44:40 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240219-106711.b\IF19T01.D				
Injection Date:	19-Feb-2024 22:22:30	Instrument ID:	19930	Operator ID:	gaw91131
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 10-Jun-2024 10:01:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0116210-001
Misc. Info.: BFB
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 08:35:25 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 08:35:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 167 BFB	95	4.965	4.965	0.000	0	378749	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

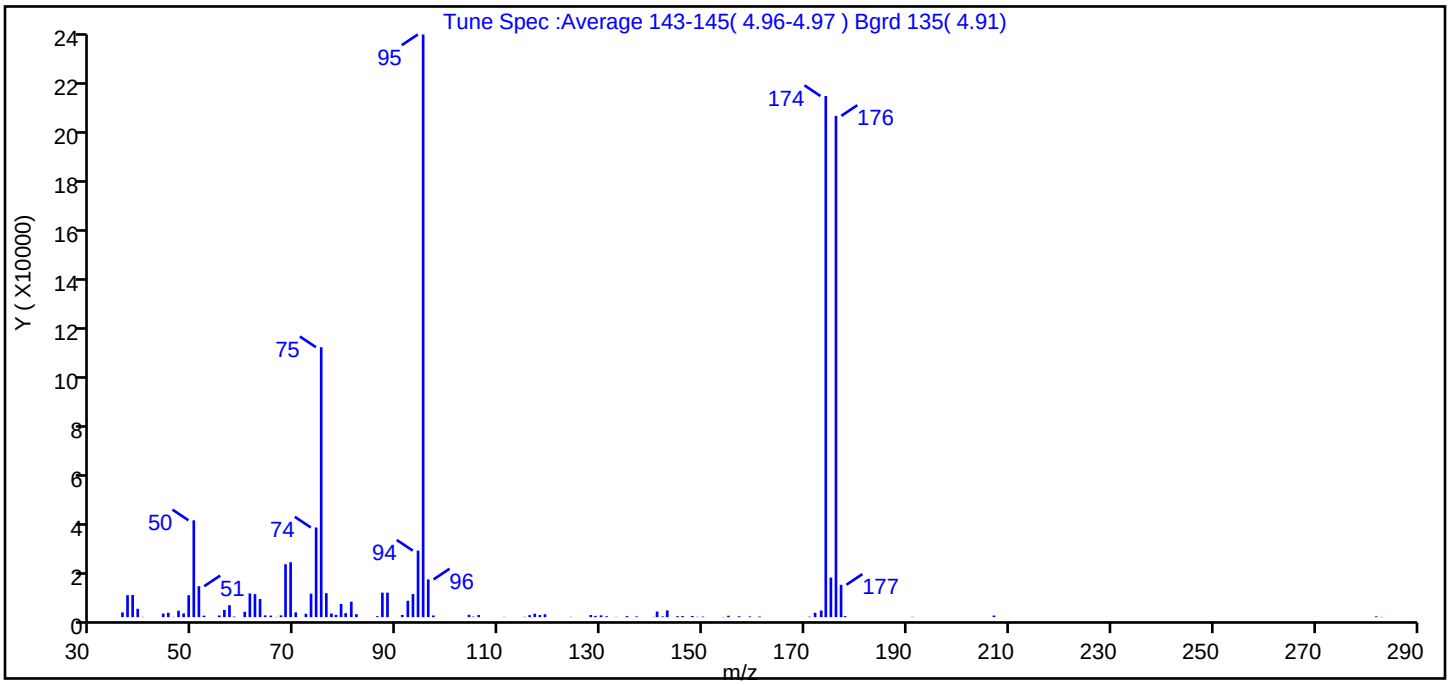
MSV_V_BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10T01.D
Injection Date: 10-Jun-2024 10:01:30 Instrument ID: 19930
Lims ID: BFB
Client ID:
Operator ID: knk41612 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 167 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.6
75	30 to 60% of m/z 95	46.3
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	1.1 (1.3)
174	50 to 120% of m/z 95	89.4
175	5 to 9% of m/z 174	6.8 (7.6)
176	Greater than 95% but less than 101% of m/z 174	86.0 (96.2)
177	5 to 9% of m/z 176	5.6 (6.5)

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10T01.D\8260 25ml HP31.rslt\spectra.d
Injection Date: 10-Jun-2024 10:01:30
Spectrum: Tune Spec :Average 143-145(4.96-4.97) Bgrd 135(4.91)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 93

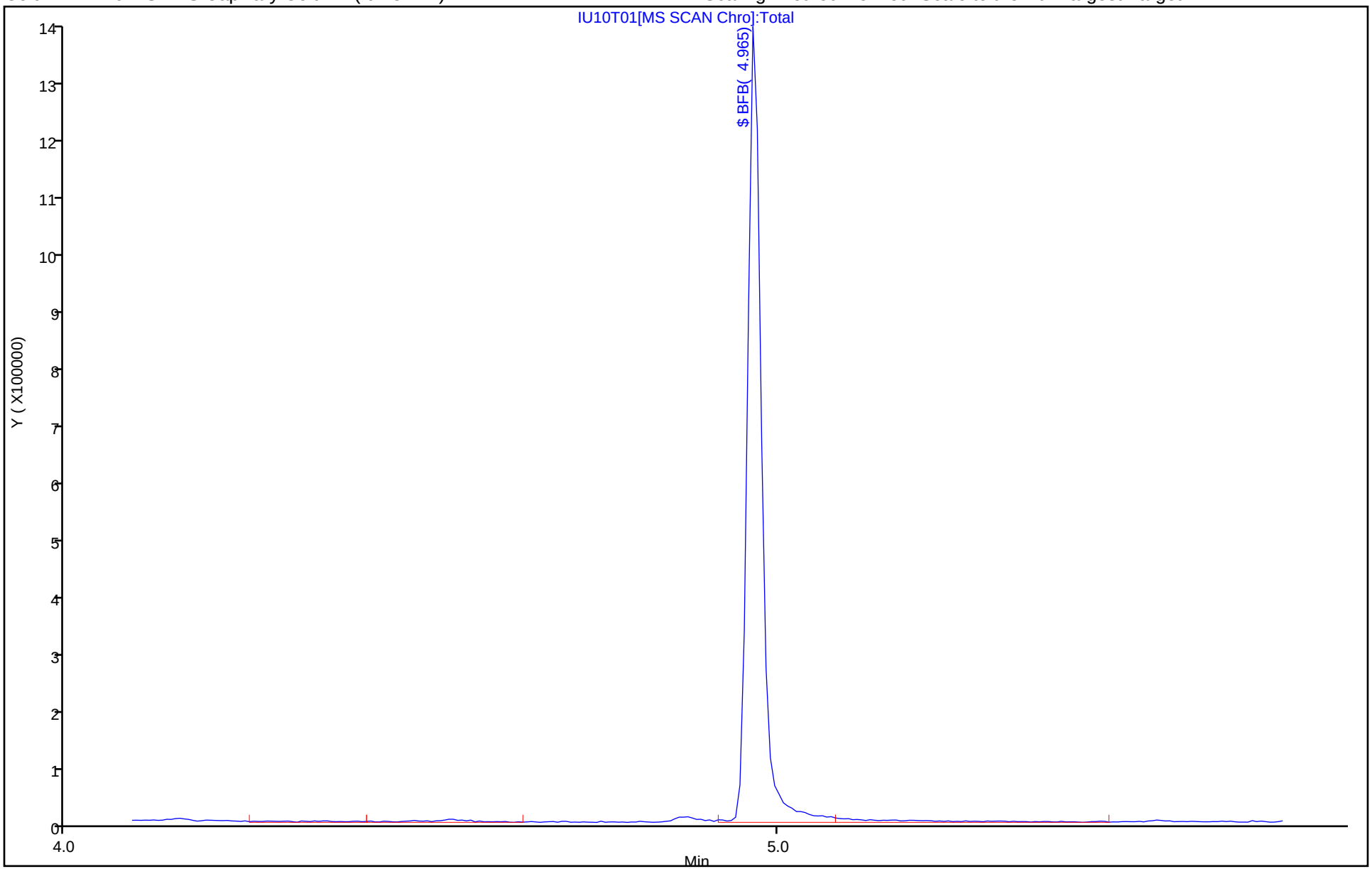
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1875	66.00	84	96.00	14954	146.00	418
37.00	8689	67.00	702	97.00	661	148.00	457
38.00	8781	68.00	20968	104.00	929	149.00	124
39.00	3326	69.00	21760	105.00	202	150.00	233
40.00	114	70.00	1879	106.00	837	154.00	85
44.00	1429	72.00	1336	111.00	100	155.00	553
45.00	1715	73.00	9319	115.00	127	157.00	366
46.00	94	74.00	35544	116.00	786	159.00	299
47.00	2538	75.00	106992	117.00	1349	161.00	259
48.00	1473	76.00	9488	118.00	847	171.00	194
49.00	8687	77.00	1436	119.00	1153	172.00	1737
50.00	38384	78.00	931	124.00	116	173.00	2626
51.00	12259	79.00	5267	128.00	862	174.00	206528
52.00	595	80.00	1589	129.00	499	175.00	15699
55.00	653	81.00	6128	130.00	735	176.00	198656
56.00	2849	82.00	1168	131.00	348	177.00	12836
57.00	4739	86.00	387	133.00	107	178.00	414
58.00	230	87.00	9709	135.00	429	191.00	129
60.00	2129	88.00	9695	137.00	303	207.00	635
61.00	9413	91.00	861	140.00	103	282.00	329
62.00	9103	92.00	6501	141.00	2225	283.00	105
63.00	7177	93.00	9163	142.00	294		
64.00	711	94.00	26368	143.00	2668		
65.00	607	95.00	230912	145.00	395		

Report Date: 11-Jun-2024 08:35:26 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10T01.D				
Injection Date:	10-Jun-2024 10:01:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-515485/6

Matrix: Water
Lab File ID: IU10X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 11:39

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-515485/6

Matrix: Water
Lab File ID: IU10X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 11:39

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	ND		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	108		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X05.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 10-Jun-2024 11:39:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-006
Misc. Info.: MB
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 10-Jun-2024 12:12:08 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 10-Jun-2024 12:10:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85		1.818					ND	
2 Chlorodifluoromethane	51		1.837					ND	
3 Dimethyl ether	45		1.892					ND	
4 Chloromethane	50		2.001					ND	
5 Vinyl chloride	62		2.111					ND	
6 Butadiene	39		2.117					ND	
7 Bromomethane	94		2.416					ND	
8 Chloroethane	64		2.489					ND	
9 Dichlorofluoromethane	67		2.715					ND	
10 Trichlorofluoromethane	101		2.776					ND	
11 Ethyl ether	59		2.989					ND	
13 1,2-Dichloro-1,1,2-trifluoroetha	67		3.080					ND	
14 Acrolein	56		3.147					ND	
15 1,1-Dichloroethene	96		3.276					ND	
16 Acetone	43		3.306					ND	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.318					ND	
18 Iodomethane	142		3.458					ND	
19 Ethyl bromide	108		3.483					ND	
20 Carbon disulfide	76		3.556					ND	7
23 Methyl acetate	43		3.696					ND	
21 Acetonitrile	41		3.708					ND	
24 3-Chloro-1-propene	41		3.714					ND	
25 Methylene Chloride	84		3.891					ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.928	3.903	0.025	22	74642	50.0	50.0	
27 2-Methyl-2-propanol	59		4.025					ND	
28 Acrylonitrile	53		4.220					ND	
29 Methyl tert-butyl ether	73		4.263					ND	
30 trans-1,2-Dichloroethene	96		4.281					ND	
31 Hexane	57		4.708					ND	
32 1,1-Dichloroethane	63		4.940					ND	
33 Vinyl acetate	43		4.964					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Isopropyl ether	45		5.001					ND	
36 2-Chloro-1,3-butadiene	53		5.050					ND	
37 Tert-butyl ethyl ether	59		5.543					ND	
38 2-Butanone (MEK)	43		5.757					ND	
39 cis-1,2-Dichloroethene	96		5.775					ND	
40 2,2-Dichloropropane	77		5.793					ND	
43 Propionitrile	54		5.842					ND	
42 Ethyl acetate	43		5.860					ND	
45 Methacrylonitrile	67		6.049					ND	
46 Chlorobromomethane	128		6.116					ND	
47 Tetrahydrofuran	71		6.129					ND	
S 41 1,2-Dichloroethene, Total	100		6.155					ND	7
44 Methyl acrylate	55		6.220					ND	
48 Chloroform	83		6.269					ND	
$ 49 Dibromofluoromethane (Surr)	113	6.494	6.482	0.012	94	284121	10.0	10.8	
50 1,1,1-Trichloroethane	97		6.488					ND	
51 Cyclohexane	56		6.592					ND	
54 Carbon tetrachloride	117		6.714					ND	
53 1,1-Dichloropropene	75		6.714					ND	
55 Isobutyl alcohol	41		6.878					ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.939	6.933	0.006	62	56413	10.0	10.4	
57 Benzene	78		6.970					ND	
52 1-Chlorobutane	56		7.019					ND	
58 1,2-Dichloroethane	62		7.043					ND	
59 Isopropyl acetate	43		7.080					ND	
60 Tert-amyl methyl ether	73		7.165					ND	
* 61 Fluorobenzene (IS)	96	7.384	7.378	0.006	99	1096019	10.0	10.0	
62 n-Heptane	43		7.397					ND	7
63 n-Butanol	56		7.769					ND	
64 Trichloroethene	95		7.860					ND	
65 Methylcyclohexane	83		8.165					ND	
66 1,2-Dichloropropane	63		8.189					ND	
67 Methyl methacrylate	69		8.287					ND	
68 1,4-Dioxane	88		8.287					ND	
69 Dibromomethane	93		8.305					ND	
70 n-Propyl acetate	43		8.384					ND	
71 Dichlorobromomethane	83		8.537					ND	
72 2-Nitropropane	41		8.805					ND	
75 1-Bromo-2-chloroethane	63		8.933					ND	
73 2-Chloroethyl vinyl ether	63		8.957					ND	
76 cis-1,3-Dichloropropene	75		9.098					ND	
74 Chloroacetonitrile	75		9.226					ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.280					ND	
$ 78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1107068	10.0	9.63	
79 Toluene	92		9.500					ND	
97 trans-1,3-Dichloropropene	75		9.774					ND	
99 Ethyl methacrylate	69		9.841					ND	
100 1,1,2-Trichloroethane	97		9.982					ND	
S 98 1,3-Dichloropropene, Total	100		10.060					ND	7
101 Tetrachloroethene	166		10.067					ND	
102 1,3-Dichloropropane	76		10.146					ND	
103 2-Hexanone	43		10.201					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
104 n-Butyl acetate	43		10.335					ND	
105 Chlorodibromomethane	129		10.366					ND	
106 Ethylene Dibromide	107		10.475					ND	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	874931	10.0	10.0	
108 1-Chlorohexane	91		10.926					ND	7
109 Chlorobenzene	112		10.939					ND	
111 1,1,1,2-Tetrachloroethane	131		11.024					ND	
112 Ethylbenzene	91		11.030					ND	
113 m-Xylene & p-Xylene	106		11.146					ND	
S 110 Xylenes, Total	106		11.245					ND	7
114 o-Xylene	106		11.475					ND	
115 Styrene	104		11.493					ND	
116 Bromoform	173		11.652					ND	
117 Isopropylbenzene	105		11.780					ND	
118 cis-1,4-Dichloro-2-butene	88		11.829					ND	
119 Cyclohexanone	55		11.883					ND	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	95	406900	10.0	9.59	
121 1,1,2,2-Tetrachloroethane	83		12.024					ND	
122 Bromobenzene	156		12.036					ND	
123 trans-1,4-Dichloro-2-butene	53		12.048					ND	
124 1,2,3-Trichloropropane	110		12.073					ND	
125 N-Propylbenzene	91		12.109					ND	
126 2-Chlorotoluene	126		12.182					ND	
127 1,3,5-Trimethylbenzene	105		12.249					ND	
128 4-Chlorotoluene	126		12.280					ND	
129 tert-Butylbenzene	134		12.487					ND	
130 Pentachloroethane	167		12.518					ND	
131 1,2,4-Trimethylbenzene	105		12.530					ND	
132 sec-Butylbenzene	105		12.652					ND	
133 1,3-Dichlorobenzene	146		12.749					ND	
134 4-Isopropyltoluene	119		12.761					ND	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	94	506644	10.0	10.0	
136 1,4-Dichlorobenzene	146		12.822					ND	7
137 1,2,3-Trimethylbenzene	120		12.835					ND	7
138 Benzyl chloride	126		12.896					ND	
139 n-Butylbenzene	92		13.048					ND	
140 1,2-Dichlorobenzene	146		13.078					ND	
141 Hexachloroethane	117		13.542					ND	
142 1,2-Dibromo-3-Chloropropane	155		13.621					ND	
143 1,3,5-Trichlorobenzene	180		13.749					ND	
144 1,2,4-Trichlorobenzene	180		14.170					ND	
145 Hexachlorobutadiene	225	14.255	14.249	0.006	78	1256		0.0512	
146 Naphthalene	128		14.347					ND	7
147 1,2,3-Trichlorobenzene	180		14.487					ND	
148 Dodecane	57		0.000					ND	
164 1-Chloropropane	1		0.000					ND	
219 1,1,1-Trifluoro-2,2-dichloroetha	1		0.000					ND	
220 1,2-Dichlorofluoroethane TIC	1		0.000					ND	
221 1,1,1-Trichloro-2,2,2-trifluoroe	1		0.000					ND	
163 Propene oxide	1		0.000					ND	
162 Chlorotrifluoroethene	1		0.000					ND	
222 Vinyl Fluoride TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
225 1,1-Dichloro-1-fluoroethane TIC	1		0.000					ND	
218 Fluoromethane TIC	1		0.000					ND	
213 Chlorofluoromethane TIC	1		0.000					ND	
214 Dichloro-1,1,2,2-tetrafluoroetha	1		0.000					ND	
215 1-Chloro-1,1-difluoroethane TIC	1		0.000					ND	
216 Ethyl ether TIC	1		0.000					ND	
217 Freon 115 TIC	1		0.000					ND	
165 Isopropyl alcohol	45		0.000					ND	
150 2-ethoxy-2-methyl butane	1		0.000					ND	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000					ND	
161 Pentane	43		0.000					ND	
223 1,1,2-Trifluoroethane TIC	1		0.000					ND	
160 2-Bromo-1-chloropropane	1		0.000					ND	
159 tert-Butyl Formate	1		0.000					ND	
158 Methylal	1		0.000					ND	
157 t-Amyl alcohol	1		0.000					ND	
156 p-Diethylbenzene	1		0.000					ND	
155 2-Methylnaphthalene	142		0.000					ND	
154 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
153 1-Bromo-3-Chloropropane	1		0.000					ND	
152 n-Decane	57		0.000					ND	
151 1,1-Dichloroacetone	1		0.000					ND	
166 Ethanol	45		3.269					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

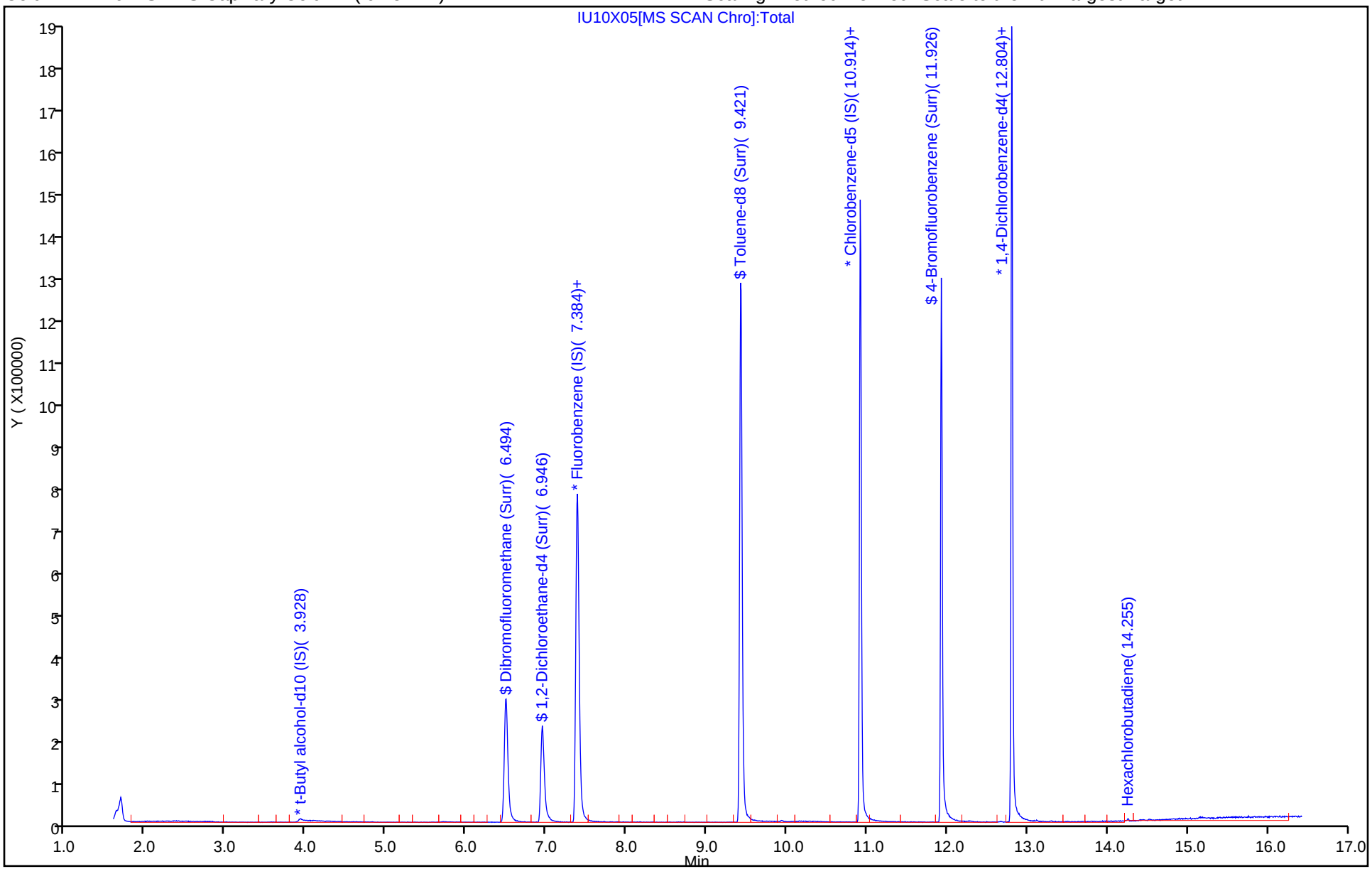
Report Date: 10-Jun-2024 12:13:05 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X05.D

Injection Date:	10-Jun-2024 11:39:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	MB			Worklist Smp#:	6
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X05.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 10-Jun-2024 11:39:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-006
Misc. Info.: MB
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 10-Jun-2024 12:12:08 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 10-Jun-2024 12:10:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.8	107.74
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	103.64
$ 78 Toluene-d8 (Surr)	10.0	9.63	96.28
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.59	95.87

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-515924/8

Matrix: Water
Lab File ID: GU11X07.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 06/11/2024 12:38

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515924
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-515924/8

Matrix: Water
Lab File ID: GU11X07.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 06/11/2024 12:38

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515924
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	ND		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		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\16334\20240611-116322.b\GU11X07.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 11-Jun-2024 12:38:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116322-008
Misc. Info.: MB
Operator ID: knk41612 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 13:23:09 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1612

First Level Reviewer: DVW2 Date: 11-Jun-2024 13:08:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.818					ND	
2 Dichlorodifluoromethane	85		1.855					ND	
3 Chlorodifluoromethane	51		1.873					ND	7
4 Dimethyl ether	45		1.934					ND	7
5 Chloromethane	50		2.032					ND	
6 Vinyl chloride	62		2.142					ND	
7 Butadiene	39		2.148					ND	7
8 2-Chloro-1,1,1-Trifluoroethane	118		2.233					ND	
9 Bromomethane	94		2.459					ND	
10 Chloroethane	64		2.538					ND	
11 Dichlorofluoromethane	67		2.751					ND	
12 Trichlorofluoromethane	101		2.812					ND	
13 Ethyl ether	59		3.050					ND	
16 1,2-Dichloro-1,1,2-trifluoroetha	67		3.135					ND	
14 Ethanol	45		3.190					ND	
17 Acrolein	56		3.208					ND	7
18 1,1-Dichloroethene	96		3.336					ND	
19 Acetone	43		3.373					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.373					ND	
22 Iodomethane	142		3.513					ND	
23 Ethyl bromide	108		3.544					ND	
21 Isopropyl alcohol	45		3.544					ND	
24 Carbon disulfide	76	3.611	3.611	0.000	99	13804		0.0812	M
26 Acetonitrile	41		3.733					ND	
25 Methyl acetate	43		3.763					ND	
27 3-Chloro-1-propene	41		3.775					ND	
29 Methylene Chloride	84		3.952					ND	7
* 30 t-Butyl alcohol-d10 (IS)	65	3.971	3.983	-0.012	26	98699	50.0	50.0	
31 2-Methyl-2-propanol	59		4.092					ND	
32 Acrylonitrile	53		4.281					ND	
33 Methyl tert-butyl ether	73		4.342					ND	

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	34 trans-1,2-Dichloroethene	96		4.342					ND	
	35 Hexane	57		4.775					ND	
	37 1,1-Dichloroethane	63		5.007					ND	
	36 Vinyl acetate	43		5.025					ND	
	38 Isopropyl ether	45		5.080					ND	
	39 2-Chloro-1,3-butadiene	53		5.117					ND	
	40 Tert-butyl ethyl ether	59		5.617					ND	
	41 2-Butanone (MEK)	43		5.830					ND	
	42 cis-1,2-Dichloroethene	96		5.848					ND	
	43 2,2-Dichloropropane	77		5.854					ND	
	44 Ethyl acetate	43		5.915					ND	
	45 Propionitrile	54		5.915					ND	
	48 Methacrylonitrile	67		6.129					ND	
	46 Methyl acrylate	55		6.141					ND	
S	47 1,2-Dichloroethene, Total	100		6.155					ND	7
	49 Chlorobromomethane	128		6.171					ND	
	50 Tetrahydrofuran	71		6.208					ND	
	51 Chloroform	83		6.330					ND	
$	52 Dibromofluoromethane (Surr)	113	6.531	6.543	-0.012	93	555295	10.0	9.45	
	53 1,1,1-Trichloroethane	97		6.555					ND	
	54 Cyclohexane	56		6.647					ND	
	55 Carbon tetrachloride	117		6.763					ND	
	56 1,1-Dichloropropene	75		6.769					ND	
	57 1-Chlorobutane	56		6.940					ND	
	58 Isobutyl alcohol	41		6.964					ND	
$	59 1,2-Dichloroethane-d4 (Surr)	102	6.982	7.000	-0.018	66	103175	10.0	9.70	
	60 Benzene	78		7.031					ND	
	61 1,2-Dichloroethane	62		7.104					ND	
	62 Isopropyl acetate	43		7.141					ND	
	63 Tert-amyl methyl ether	73		7.232					ND	
*	64 Fluorobenzene (IS)	96	7.421	7.439	-0.018	99	2460368	10.0	10.0	
	65 n-Heptane	43		7.458					ND	7
	66 t-Amyl alcohol	73		7.842					ND	
	67 n-Butanol	56		7.854					ND	
	68 Trichloroethene	95		7.921					ND	
	69 Methylcyclohexane	83		8.220					ND	
	70 1,2-Dichloropropane	63		8.244					ND	
	71 2-ethoxy-2-methyl butane	87		8.268					ND	
	72 Methyl methacrylate	69		8.354					ND	
	73 1,4-Dioxane	88		8.360					ND	
	74 Dibromomethane	93		8.360					ND	
	75 n-Propyl acetate	61		8.445					ND	
	76 Dichlorobromomethane	83		8.598					ND	
	77 2-Nitropropane	41		8.872					ND	
	78 2-Chloroethyl vinyl ether	63		8.976					ND	
	79 1-Bromo-2-chloroethane	63		8.988					ND	
	81 cis-1,3-Dichloropropene	75		9.159					ND	
	80 Chloroacetonitrile	75		9.189					ND	
	82 4-Methyl-2-pentanone (MIBK)	43		9.347					ND	
$	83 Toluene-d8 (Surr)	98	9.470	9.476	-0.006	94	2383137	10.0	10.3	
	84 Toluene	92		9.555					ND	7
	85 trans-1,3-Dichloropropene	75		9.823					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 Ethyl methacrylate	69		9.896				ND		
107 1,1,2-Trichloroethane	97		10.030				ND		
S 106 1,3-Dichloropropene, Total	100		10.060				ND		7
108 Tetrachloroethene	166		10.122				ND		
109 1,3-Dichloropropane	76		10.195				ND		
110 2-Hexanone	43		10.262				ND		
111 n-Butyl acetate	43		10.390				ND		
112 Chlorodibromomethane	129		10.408				ND		
113 Ethylene Dibromide	107		10.518				ND		
* 114 Chlorobenzene-d5 (IS)	117	10.957	10.963	-0.006	86	1783105	10.0	10.0	
115 1-Chlorohexane	91		10.975				ND		7
116 Chlorobenzene	112		10.987				ND		
117 1,1,1,2-Tetrachloroethane	131		11.073				ND		
118 Ethylbenzene	91		11.079				ND		
120 m-Xylene & p-Xylene	106		11.195				ND		
S 119 Xylenes, Total	106		11.245				ND		7
121 o-Xylene	106		11.524				ND		
122 Styrene	104		11.542				ND		
123 Bromoform	173		11.695				ND		7
124 Isopropylbenzene	105		11.829				ND		
125 cis-1,4-Dichloro-2-butene	88		11.877				ND		
126 Cyclohexanone	55		11.908				ND		U
$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	88	825456	10.0	9.74	
128 1,1,2,2-Tetrachloroethane	83		12.073				ND		
129 Bromobenzene	156		12.085				ND		
130 trans-1,4-Dichloro-2-butene	53		12.097				ND		
131 1,2,3-Trichloropropane	110		12.115				ND		
132 N-Propylbenzene	91		12.158				ND		
133 2-Chlorotoluene	126		12.231				ND		
134 1,3,5-Trimethylbenzene	105		12.292				ND		
135 4-Chlorotoluene	126		12.323				ND		
136 tert-Butylbenzene	134		12.530				ND		
137 Pentachloroethane	167		12.566				ND		
138 1,2,4-Trimethylbenzene	105		12.572				ND		
139 sec-Butylbenzene	105		12.694				ND		
140 1,3-Dichlorobenzene	146		12.792				ND		
141 4-Isopropyltoluene	119		12.804				ND		7
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	828033	10.0	10.0	
143 1,4-Dichlorobenzene	146		12.865				ND		
144 1,2,3-Trimethylbenzene	120		12.877				ND		7
145 Benzyl chloride	126		12.944				ND		
146 p-Diethylbenzene	119		13.005				ND		
147 n-Butylbenzene	92		13.091				ND		
148 1,2-Dichlorobenzene	146		13.121				ND		
149 Hexachloroethane	201		13.499				ND		
150 1,2-Dibromo-3-Chloropropane	155		13.664				ND		
151 1,3,5-Trichlorobenzene	180		13.792				ND		
152 1,2,4-Trichlorobenzene	180		14.206				ND		
153 Hexachlorobutadiene	225		14.292				ND		7
154 Naphthalene	128		14.389				ND		7
155 1,2,3-Trichlorobenzene	180		14.529				ND		
156 2-Methylnaphthalene	142		15.127				ND		U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
157 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
158 1-Chloropropane	1		0.000					ND	
159 1-Bromo-3-Chloropropane	1		0.000					ND	
160 Propene oxide	1		0.000					ND	
161 n-Decane	57		0.000					ND	
162 Methylal	1		0.000					ND	
163 tert-Butyl Formate	1		0.000					ND	
164 1,1-Dichloroacetone	1		0.000					ND	
165 Dodecane	57		0.000					ND	
166 2-Bromo-1-chloropropane	1		0.000					ND	
209 1,1-Dichloro-1-fluoroethane TIC	1		0.000					ND	
167 Pentane	43	2.855	2.849	0.006	6	909			NR

QC Flag Legend

Processing Flags
- NR - Missing Quant Standard
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected

Reagents:

MSV_29_826ISS_00054 Amount Added: 1.00 Units: uL Run Reagent

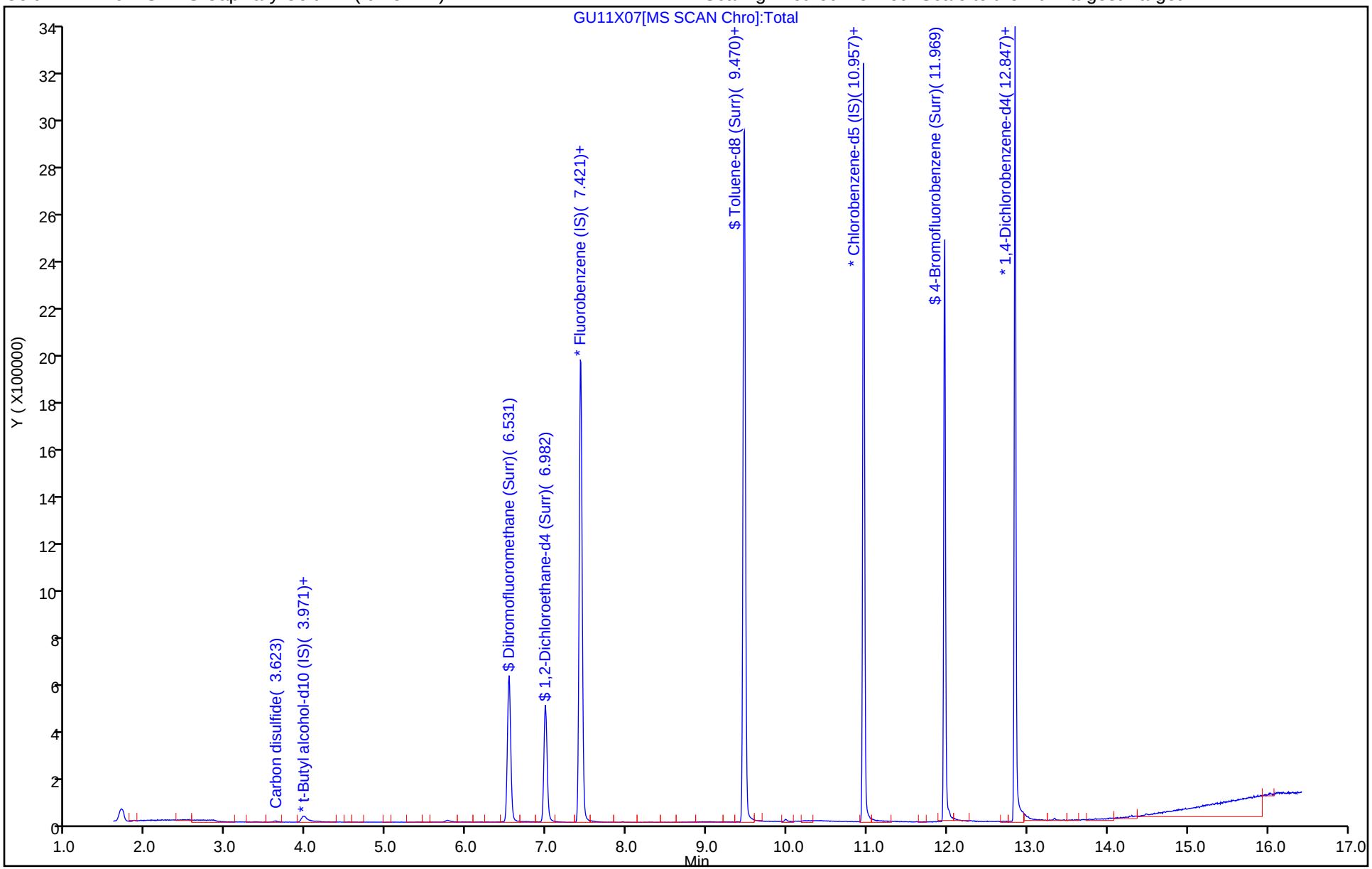
Report Date: 11-Jun-2024 13:23:16 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X07.D

Injection Date:	11-Jun-2024 12:38:30	Instrument ID:	16334	Operator ID:	knk41612
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X07.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	11-Jun-2024 12:38:30	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0116322-008				
Misc. Info.:	MB				
Operator ID:	knk41612	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	11-Jun-2024 13:23:09	Calib Date:	20-Feb-2024 04:53:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1612				

First Level Reviewer: DVW2 Date: 11-Jun-2024 13:08:44

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.45	94.51
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.70	97.02
$ 83 Toluene-d8 (Surr)	10.0	10.3	103.07
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.74	97.44

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

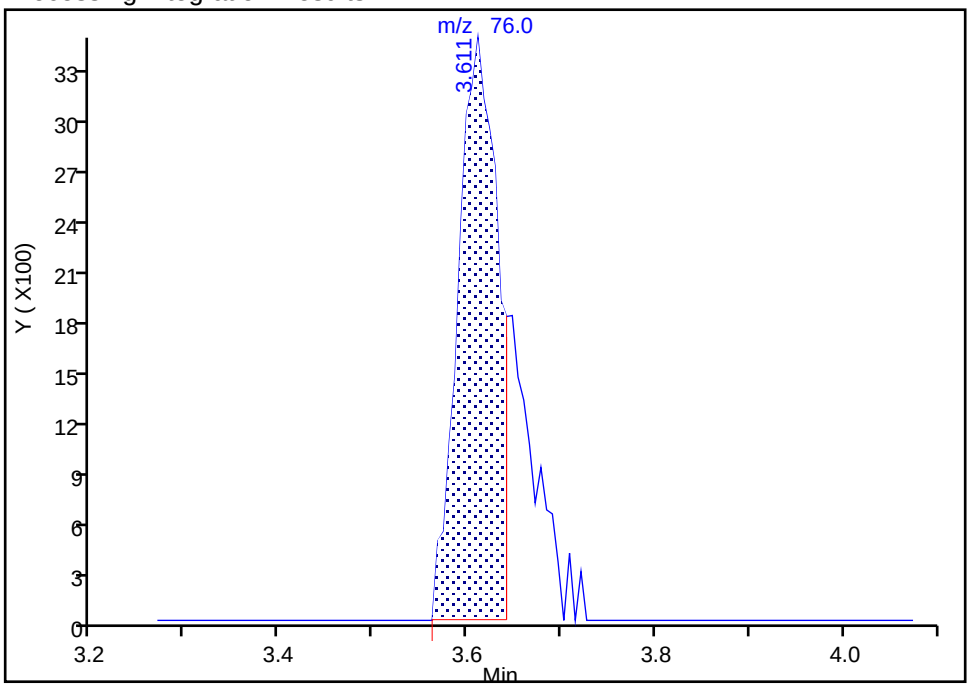
Data File: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X07.D
Injection Date: 11-Jun-2024 12:38:30 Instrument ID: 16334
Lims ID: MB
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

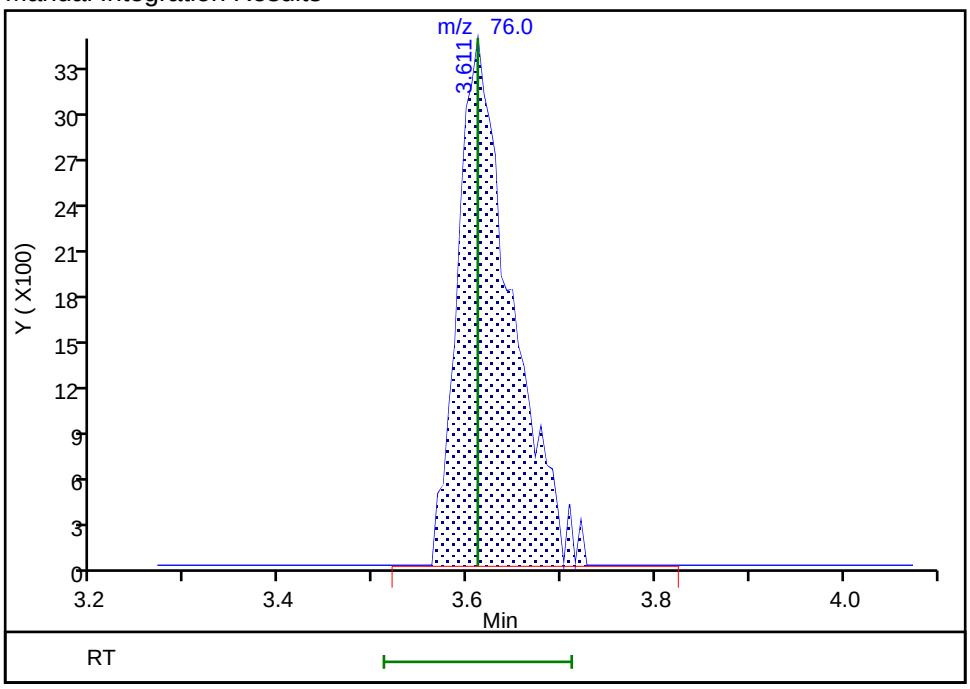
Processing Integration Results

RT: 3.61
Area: 10292
Amount: 0.060520
Amount Units: ug/l



Manual Integration Results

RT: 3.61
Area: 13804
Amount: 0.081171
Amount Units: ug/l



Reviewer: DVW2, 11-Jun-2024 13:08:00 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-515485/4

Matrix: Water
Lab File ID: IU10X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 10:57

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.84		0.50	0.070
71-55-6	1,1,1-Trichloroethane	4.94		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.79		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.74		0.50	0.080
75-34-3	1,1-Dichloroethane	4.61		0.50	0.10
75-35-4	1,1-Dichloroethene	4.81		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	4.77		0.50	0.080
107-06-2	1,2-Dichloroethane	4.96		0.50	0.070
78-87-5	1,2-Dichloropropane	4.65		0.50	0.10
78-93-3	2-Butanone (MEK)	61.0		5.0	1.0
591-78-6	2-Hexanone	60.2		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	60.7		5.0	1.0
67-64-1	Acetone	58.1		5.0	1.5
71-43-2	Benzene	4.64		0.50	0.10
74-97-5	Bromochloromethane	5.25		0.50	0.080
75-27-4	Bromodichloromethane	4.96		0.50	0.080
75-25-2	Bromoform	4.92		1.0	0.30
74-83-9	Bromomethane	4.85		0.50	0.10
75-15-0	Carbon disulfide	4.31		1.0	0.10
56-23-5	Carbon tetrachloride	5.22		0.50	0.10
108-90-7	Chlorobenzene	4.78		0.50	0.070
75-00-3	Chloroethane	4.82		0.50	0.10
67-66-3	Chloroform	4.77		0.50	0.090
74-87-3	Chloromethane	4.23		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	4.74		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.42		0.50	0.10
124-48-1	Dibromochloromethane	4.99		0.50	0.080
100-41-4	Ethylbenzene	4.56		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.18		0.50	0.080
75-09-2	Methylene Chloride	4.80		0.50	0.20
100-42-5	Styrene	4.73		0.50	0.070
127-18-4	Tetrachloroethene	4.64		0.50	0.20
108-88-3	Toluene	4.60		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-515485/4

Matrix: Water
Lab File ID: IU10X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 10:57

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	4.77		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.52		0.50	0.080
79-01-6	Trichloroethene	4.68		0.50	0.080
75-01-4	Vinyl chloride	4.62		0.50	0.10
1330-20-7	Xylenes, Total	14.1		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		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\19930\20240610-116210.b\IU10X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 10-Jun-2024 10:57:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-004
Misc. Info.: LCS
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 10-Jun-2024 12:12:08 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 10-Jun-2024 11:25:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.837	1.818	0.019	99	273254	5.00	4.98	
4 Chloromethane	50	2.014	2.001	0.013	99	256884	5.00	4.23	
5 Vinyl chloride	62	2.129	2.111	0.018	97	259543	5.00	4.62	
6 Butadiene	39	2.129	2.117	0.012	92	260427	5.00	4.60	
7 Bromomethane	94	2.434	2.416	0.018	91	191592	5.00	4.85	
8 Chloroethane	64	2.507	2.489	0.018	99	153308	5.00	4.82	
9 Dichlorofluoromethane	67	2.727	2.715	0.012	97	364791	5.00	4.19	
10 Trichlorofluoromethane	101	2.794	2.776	0.018	96	311886	5.00	4.90	
11 Ethyl ether	59	3.007	2.989	0.018	90	130542	4.98	4.54	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.099	3.080	0.019	92	223088	5.00	4.36	
15 1,1-Dichloroethene	96	3.294	3.276	0.018	98	164434	5.00	4.81	
16 Acetone	43	3.324	3.306	0.018	99	331263	62.5	58.1	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.336	3.318	0.018	90	160759	5.00	4.55	
18 Iodomethane	142	3.471	3.458	0.013	99	310021	5.00	4.55	
20 Carbon disulfide	76	3.574	3.556	0.018	99	447793	5.00	4.31	
23 Methyl acetate	43	3.733	3.696	0.037	95	66578	5.00	4.08	
24 3-Chloro-1-propene	41	3.727	3.714	0.013	92	246551	5.00	3.72	
25 Methylene Chloride	84	3.897	3.891	0.006	92	181804	5.00	4.80	
* 26 t-Butyl alcohol-d10 (IS)	65	3.940	3.903	0.037	99	124442	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.056	4.025	0.031	95	90978	50.0	39.4	
28 Acrylonitrile	53	4.233	4.220	0.013	98	181189	25.0	25.2	
29 Methyl tert-butyl ether	73	4.275	4.263	0.012	95	420669	5.00	4.18	
30 trans-1,2-Dichloroethene	96	4.294	4.281	0.013	99	184837	5.00	4.77	
31 Hexane	57	4.714	4.708	0.006	93	245249	5.00	4.60	
32 1,1-Dichloroethane	63	4.952	4.940	0.012	96	340653	5.00	4.61	
35 Isopropyl ether	45	5.019	5.001	0.018	96	523086	5.00	4.00	
36 2-Chloro-1,3-butadiene	53	5.068	5.050	0.018	91	263206	5.00	4.22	
37 Tert-butyl ethyl ether	59	5.562	5.543	0.019	98	484094	5.00	4.07	
38 2-Butanone (MEK)	43	5.769	5.757	0.012	100	623699	62.5	61.0	
39 cis-1,2-Dichloroethene	96	5.793	5.775	0.018	82	210400	5.00	4.74	
40 2,2-Dichloropropane	77	5.805	5.793	0.012	87	297976	5.00	4.74	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 Propionitrile	54	5.873	5.842	0.031	96	109166	37.5	37.8	
45 Methacrylonitrile	67	6.062	6.049	0.013	91	376514	37.5	36.5	
46 Chlorobromomethane	128	6.129	6.116	0.013	92	96593	5.00	5.25	
47 Tetrahydrofuran	71	6.141	6.129	0.012	89	78491	25.0	25.2	
48 Chloroform	83	6.281	6.269	0.012	93	350783	5.00	4.77	
$ 49 Dibromofluoromethane (Surr)	113	6.494	6.482	0.012	94	340903	10.0	10.5	
50 1,1,1-Trichloroethane	97	6.500	6.488	0.012	98	316539	5.00	4.94	
51 Cyclohexane	56	6.604	6.592	0.012	90	301035	5.00	4.41	
54 Carbon tetrachloride	117	6.714	6.714	0.000	87	291046	5.00	5.22	
53 1,1-Dichloropropene	75	6.720	6.714	0.006	95	262749	5.00	4.68	
55 Isobutyl alcohol	41	6.897	6.878	0.019	96	93832	125.0	111.4	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.933	0.013	83	71334	10.0	10.6	
57 Benzene	78	6.976	6.970	0.006	97	784112	5.00	4.64	
58 1,2-Dichloroethane	62	7.049	7.043	0.006	98	217859	5.00	4.96	
60 Tert-amyl methyl ether	73	7.171	7.165	0.006	99	448856	5.00	4.21	
* 61 Fluorobenzene (IS)	96	7.384	7.378	0.006	98	1351581	10.0	10.0	
62 n-Heptane	43	7.409	7.397	0.012	92	267632	5.00	4.88	
63 n-Butanol	56	7.793	7.769	0.024	89	145532	250.0	207.5	
64 Trichloroethene	95	7.872	7.860	0.012	97	206744	5.00	4.68	
65 Methylcyclohexane	83	8.171	8.165	0.006	91	336748	5.00	4.87	
66 1,2-Dichloropropane	63	8.195	8.189	0.006	95	199257	5.00	4.65	
67 Methyl methacrylate	69	8.293	8.287	0.006	90	90586	5.00	4.75	
68 1,4-Dioxane	88	8.305	8.287	0.018	29	21255	125.0	147.6	
69 Dibromomethane	93	8.311	8.305	0.006	95	97258	5.00	4.96	
71 Dichlorobromomethane	83	8.543	8.537	0.006	99	252963	5.00	4.96	
72 2-Nitropropane	41	8.811	8.805	0.006	99	28957	5.00	4.28	
75 1-Bromo-2-chloroethane	63	8.939	8.933	0.006	98	195131	5.00	4.65	
76 cis-1,3-Dichloropropene	75	9.104	9.098	0.006	97	280859	5.00	4.42	
77 4-Methyl-2-pentanone (MIBK)	43	9.287	9.280	0.006	96	1693615	62.5	60.7	
$ 78 Toluene-d8 (Surr)	98	9.427	9.421	0.006	93	1389032	10.0	9.80	
79 Toluene	92	9.506	9.500	0.006	98	527900	5.00	4.60	
97 trans-1,3-Dichloropropene	75	9.780	9.774	0.006	92	246946	5.00	4.52	
99 Ethyl methacrylate	69	9.847	9.841	0.006	88	203434	5.00	4.27	
100 1,1,2-Trichloroethane	97	9.982	9.982	0.000	90	149966	5.00	4.74	
101 Tetrachloroethene	166	10.067	10.067	0.000	98	256023	5.00	4.64	
102 1,3-Dichloropropane	76	10.146	10.146	0.000	89	246536	5.00	4.62	
103 2-Hexanone	43	10.201	10.201	0.000	96	1200187	62.5	60.2	
105 Chlorodibromomethane	129	10.366	10.366	0.000	89	196830	5.00	4.99	
106 Ethylene Dibromide	107	10.475	10.475	0.000	98	140544	5.00	4.77	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	1078912	10.0	10.0	
108 1-Chlorohexane	91	10.926	10.926	0.000	96	277146	5.00	4.28	
109 Chlorobenzene	112	10.939	10.939	0.000	95	602294	5.00	4.78	
111 1,1,1,2-Tetrachloroethane	131	11.024	11.024	0.000	96	219875	5.00	4.84	
112 Ethylbenzene	91	11.030	11.030	0.000	98	1028197	5.00	4.56	
113 m-Xylene & p-Xylene	106	11.146	11.146	0.000	93	834345	10.0	9.46	
114 o-Xylene	106	11.481	11.475	0.006	96	402868	5.00	4.59	
115 Styrene	104	11.493	11.493	0.000	94	657530	5.00	4.73	
116 Bromoform	173	11.652	11.652	0.000	97	125378	5.00	4.92	
117 Isopropylbenzene	105	11.780	11.780	0.000	95	1072707	5.00	4.97	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	93	525962	10.0	10.0	
121 1,1,2,2-Tetrachloroethane	83	12.024	12.024	0.000	94	201137	5.00	4.79	
122 Bromobenzene	156	12.042	12.036	0.006	93	264209	5.00	4.71	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 trans-1,4-Dichloro-2-butene	53	12.054	12.048	0.006	93	224049	25.0	22.3	
124 1,2,3-Trichloropropane	110	12.073	12.073	0.000	81	53787	5.00	4.80	
125 N-Propylbenzene	91	12.109	12.109	0.000	99	1237926	5.00	4.55	
126 2-Chlorotoluene	126	12.182	12.182	0.000	97	262543	5.00	4.78	
127 1,3,5-Trimethylbenzene	105	12.249	12.249	0.000	94	914046	5.00	4.58	
128 4-Chlorotoluene	126	12.280	12.280	0.000	97	270542	5.00	4.86	
129 tert-Butylbenzene	134	12.487	12.487	0.000	92	195235	5.00	4.49	
131 1,2,4-Trimethylbenzene	105	12.530	12.530	0.000	97	932328	5.00	4.69	
132 sec-Butylbenzene	105	12.652	12.652	0.000	94	1200762	5.00	4.72	
133 1,3-Dichlorobenzene	146	12.749	12.749	0.000	99	521539	5.00	4.76	
134 4-Isopropyltoluene	119	12.761	12.761	0.000	97	1036453	5.00	4.69	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	93	643326	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.822	12.822	0.000	96	539668	5.00	4.81	
137 1,2,3-Trimethylbenzene	120	12.835	12.835	0.000	98	401247	5.00	4.44	
138 Benzyl chloride	126	12.902	12.896	0.006	98	84493	5.00	4.97	
139 n-Butylbenzene	92	13.048	13.048	0.000	97	505977	5.00	4.82	
140 1,2-Dichlorobenzene	146	13.078	13.078	0.000	99	495504	5.00	4.84	
142 1,2-Dibromo-3-Chloropropane	155	13.627	13.621	0.006	87	31009	5.00	4.66	
143 1,3,5-Trichlorobenzene	180	13.749	13.749	0.000	98	394024	5.00	4.91	
144 1,2,4-Trichlorobenzene	180	14.170	14.170	0.000	93	342366	5.00	5.12	
145 Hexachlorobutadiene	225	14.249	14.249	0.000	96	164143	5.00	5.27	
146 Naphthalene	128	14.347	14.347	-0.001	97	627747	5.00	4.97	
147 1,2,3-Trichlorobenzene	180	14.487	14.487	0.000	96	292533	5.00	5.25	
165 Isopropyl alcohol	45		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
155 2-Methylnaphthalene	142		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00171	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00201	Amount Added: 12.50	Units: uL	
MSV_LCS_EE_00009	Amount Added: 12.50	Units: uL	
MSV_LLcentISS_00012	Amount Added: 5.00	Units: uL	Run Reagent

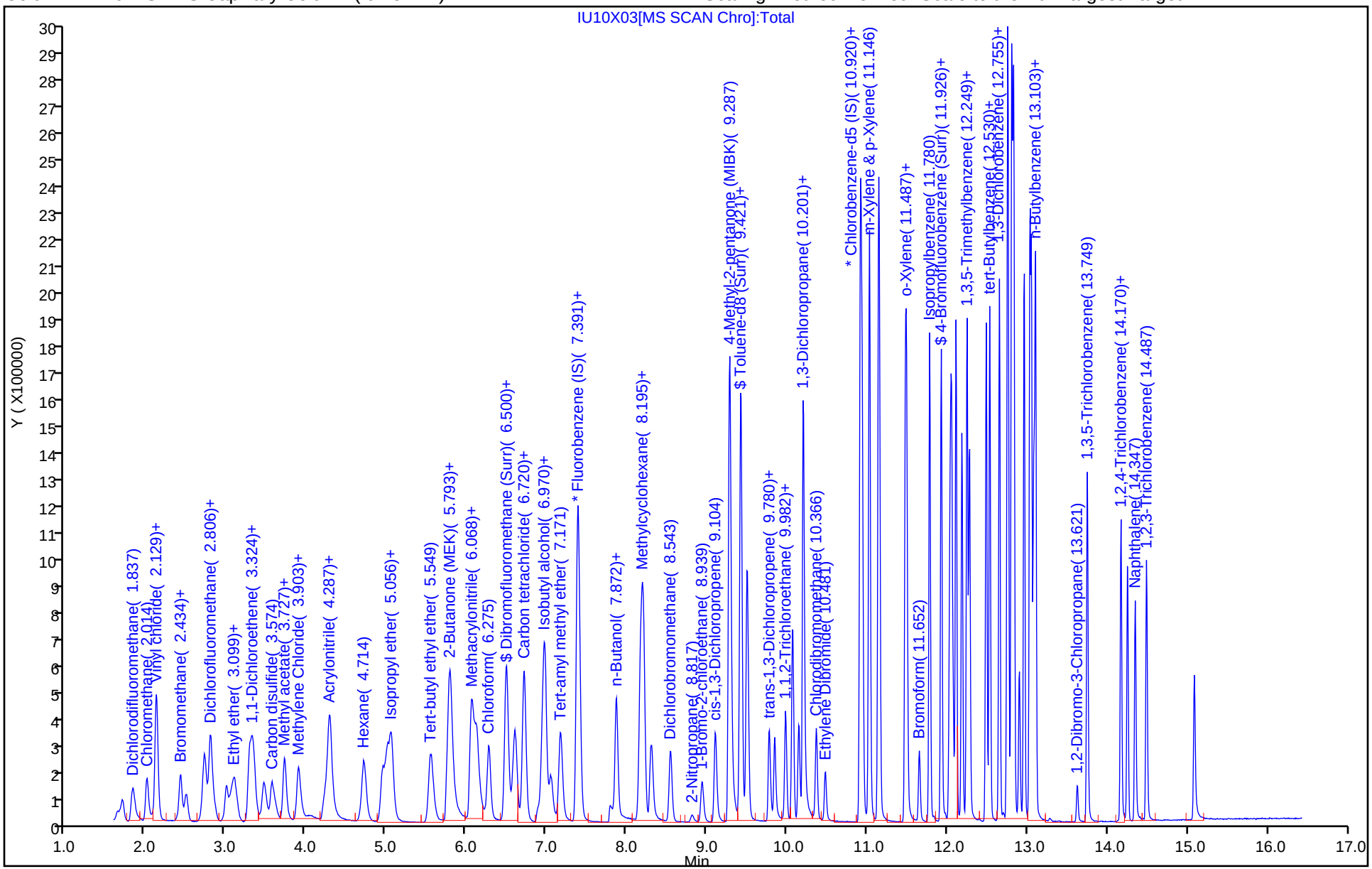
Report Date: 10-Jun-2024 12:12:24 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X03.D

Injection Date:	10-Jun-2024 10:57:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 10-Jun-2024 10:57:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-004
Misc. Info.: LCS
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 10-Jun-2024 12:12:08 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 10-Jun-2024 11:25:54

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.5	104.82
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	106.27
$ 78 Toluene-d8 (Surr)	10.0	9.80	97.96
$ 120 4-Bromofluorobenzene (Surr)	10.0	10.0	100.50

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

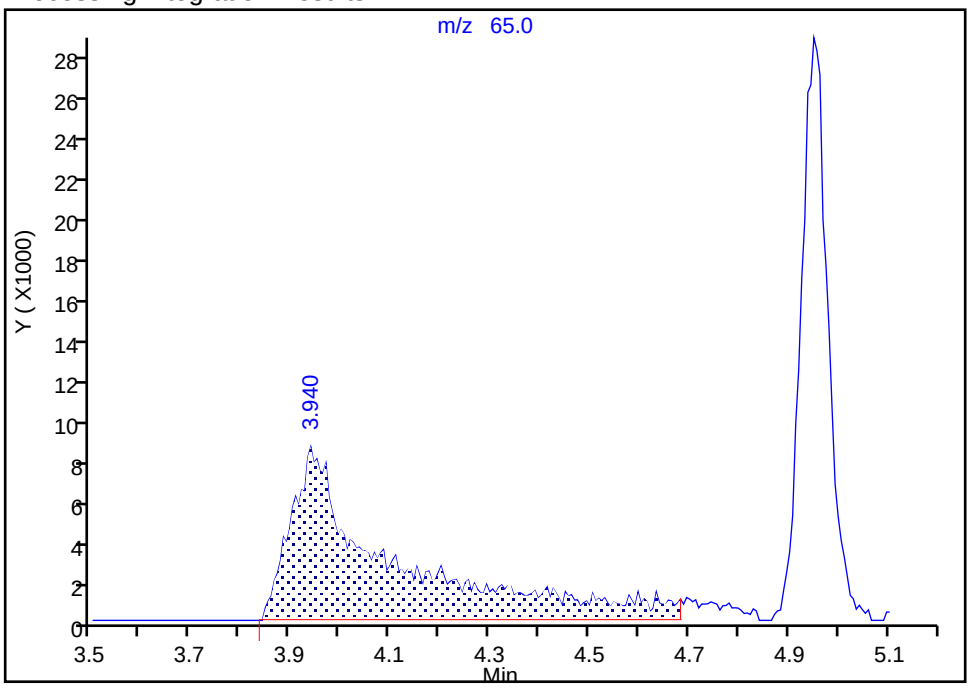
Data File: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X03.D
Injection Date: 10-Jun-2024 10:57:30 Instrument ID: 19930
Lims ID: LCS
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

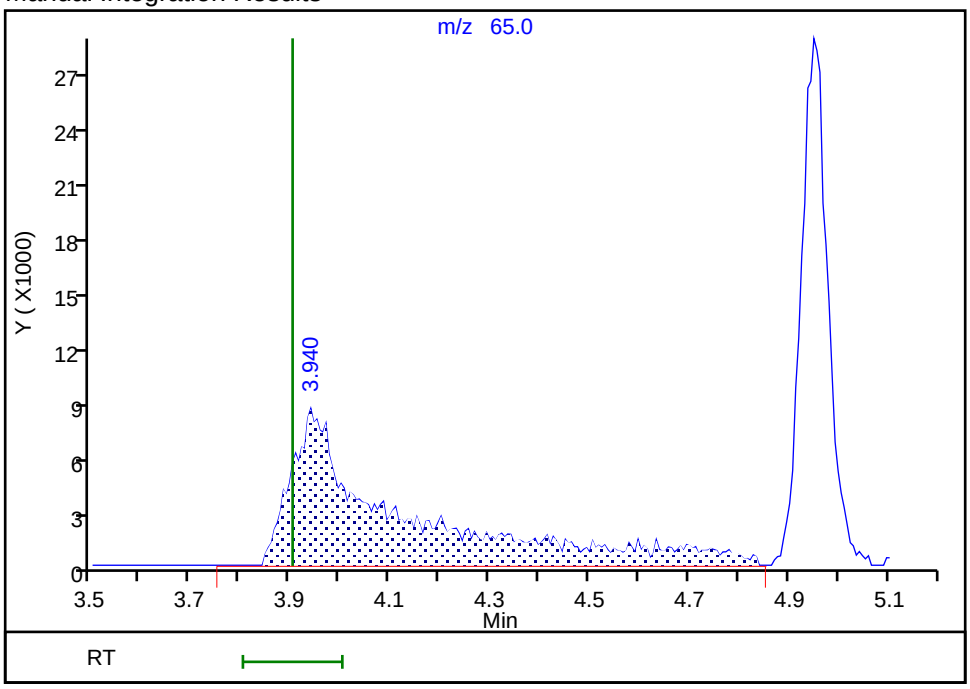
Processing Integration Results

RT: 3.94
Area: 117984
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.94
Area: 124442
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 10-Jun-2024 11:25:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-515924/6

Matrix: Water
Lab File ID: GU11X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 06/11/2024 11:49

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515924
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.67		0.50	0.070
71-55-6	1,1,1-Trichloroethane	4.67		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.53		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.21		0.50	0.080
75-34-3	1,1-Dichloroethane	5.57		0.50	0.10
75-35-4	1,1-Dichloroethene	5.15		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.04		0.50	0.080
107-06-2	1,2-Dichloroethane	4.56		0.50	0.070
78-87-5	1,2-Dichloropropane	5.79		0.50	0.10
78-93-3	2-Butanone (MEK)	77.4		5.0	1.0
591-78-6	2-Hexanone	85.0		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	79.3		5.0	1.0
67-64-1	Acetone	67.0		5.0	1.5
71-43-2	Benzene	5.39		0.50	0.10
74-97-5	Bromochloromethane	4.75		0.50	0.080
75-27-4	Bromodichloromethane	4.99		0.50	0.080
75-25-2	Bromoform	4.21		1.0	0.30
74-83-9	Bromomethane	4.47		0.50	0.10
75-15-0	Carbon disulfide	5.22		1.0	0.10
56-23-5	Carbon tetrachloride	4.48		0.50	0.10
108-90-7	Chlorobenzene	5.06		0.50	0.070
75-00-3	Chloroethane	5.37		0.50	0.10
67-66-3	Chloroform	4.86		0.50	0.090
74-87-3	Chloromethane	5.66		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	4.97		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.10		0.50	0.10
124-48-1	Dibromochloromethane	4.69		0.50	0.080
100-41-4	Ethylbenzene	5.29		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.40		0.50	0.080
75-09-2	Methylene Chloride	5.20		0.50	0.20
100-42-5	Styrene	5.08		0.50	0.070
127-18-4	Tetrachloroethene	4.61		0.50	0.20
108-88-3	Toluene	5.34		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-515924/6

Matrix: Water
Lab File ID: GU11X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 06/11/2024 11:49

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515924
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	4.95		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.40		0.50	0.080
79-01-6	Trichloroethene	4.95		0.50	0.080
75-01-4	Vinyl chloride	5.39		0.50	0.10
1330-20-7	Xylenes, Total	15.1		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X05.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 11-Jun-2024 11:49:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116322-006
Misc. Info.: LCS
Operator ID: knk41612 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 11:21:35 Calib Date: 20-Feb-2024 04:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1612

First Level Reviewer: DVW2 Date: 11-Jun-2024 12:12:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.855	-0.012	99	348866	5.00	4.45	
5 Chloromethane	50	2.026	2.032	-0.006	99	419929	5.00	5.66	
6 Vinyl chloride	62	2.129	2.142	-0.013	98	393719	5.00	5.39	
7 Butadiene	39	2.142	2.148	-0.006	92	516880	5.00	7.25	
9 Bromomethane	94	2.446	2.459	-0.013	91	252660	5.00	4.47	
10 Chloroethane	64	2.526	2.538	-0.012	100	231564	5.00	5.37	
11 Dichlorofluoromethane	67	2.745	2.751	-0.006	97	534351	5.00	4.29	
12 Trichlorofluoromethane	101	2.800	2.812	-0.012	96	421681	5.00	4.20	
13 Ethyl ether	59	3.044	3.050	-0.006	93	183793	4.98	5.55	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.129	3.135	-0.006	94	349700	5.00	5.14	
18 1,1-Dichloroethene	96	3.330	3.336	-0.006	98	257915	5.00	5.15	
19 Acetone	43	3.367	3.373	-0.006	100	357163	62.5	67.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.367	3.373	-0.006	83	228493	5.00	4.43	
22 Iodomethane	142	3.507	3.513	-0.006	99	427269	5.00	4.12	
21 Isopropyl alcohol	45	3.532	3.544	-0.012	58	32517	37.5	32.0	
24 Carbon disulfide	76	3.605	3.611	-0.006	99	890294	5.00	5.22	
25 Methyl acetate	43	3.757	3.763	-0.006	97	75699	5.00	4.97	
27 3-Chloro-1-propene	41	3.775	3.775	0.000	93	427741	5.00	5.17	
29 Methylene Chloride	84	3.946	3.952	-0.006	92	283916	5.00	5.20	
* 30 t-Butyl alcohol-d10 (IS)	65	3.977	3.983	-0.006	99	96688	50.0	50.0	
31 2-Methyl-2-propanol	59	4.099	4.092	0.007	100	82332	50.0	43.5	
32 Acrylonitrile	53	4.275	4.281	-0.006	99	223050	25.0	34.6	
33 Methyl tert-butyl ether	73	4.342	4.342	0.000	79	529067	5.00	4.40	
34 trans-1,2-Dichloroethene	96	4.336	4.342	-0.006	98	297472	5.00	4.95	
35 Hexane	57	4.763	4.775	-0.012	92	420366	5.00	6.23	
37 1,1-Dichloroethane	63	5.001	5.007	-0.006	96	562240	5.00	5.57	
38 Isopropyl ether	45	5.074	5.080	-0.006	95	920837	5.00	5.48	
39 2-Chloro-1,3-butadiene	53	5.111	5.117	-0.006	91	445761	5.00	5.18	
40 Tert-butyl ethyl ether	59	5.610	5.617	-0.006	98	780582	5.00	4.99	
41 2-Butanone (MEK)	43	5.830	5.830	0.000	100	646590	62.5	77.4	
42 cis-1,2-Dichloroethene	96	5.842	5.848	-0.006	83	334131	5.00	4.97	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.854	5.854	0.000	85	459109	5.00	4.89	
45 Propionitrile	54	5.921	5.915	0.006	98	100370	37.5	42.5	
48 Methacrylonitrile	67	6.123	6.129	-0.006	91	426243	37.5	47.7	
49 Chlorobromomethane	128	6.171	6.171	0.000	95	124426	5.00	4.75	
50 Tetrahydrofuran	71	6.208	6.208	0.000	80	73108	25.0	30.6	
51 Chloroform	83	6.324	6.330	-0.006	93	540460	5.00	4.86	
$ 52 Dibromofluoromethane (Surr)	113	6.543	6.543	0.000	93	547143	10.0	9.29	
53 1,1,1-Trichloroethane	97	6.549	6.555	-0.006	98	458068	5.00	4.67	
54 Cyclohexane	56	6.653	6.647	0.006	92	497362	5.00	5.84	
55 Carbon tetrachloride	117	6.763	6.763	0.000	95	386820	5.00	4.48	
56 1,1-Dichloropropene	75	6.769	6.769	0.000	98	426130	5.00	5.36	
58 Isobutyl alcohol	41	6.970	6.964	0.006	89	79534	125.0	122.1	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.994	7.000	-0.006	83	102283	10.0	9.59	
60 Benzene	78	7.031	7.031	0.000	97	1283250	5.00	5.39	
61 1,2-Dichloroethane	62	7.098	7.104	-0.006	97	276992	5.00	4.56	
63 Tert-amyl methyl ether	73	7.232	7.232	0.000	99	634713	5.00	4.75	
* 64 Fluorobenzene (IS)	96	7.433	7.439	-0.006	98	2466935	10.0	10.0	
65 n-Heptane	43	7.452	7.458	-0.006	92	472888	5.00	6.72	
67 n-Butanol	56	7.866	7.854	0.012	90	114298	250.0	267.4	
68 Trichloroethene	95	7.915	7.921	-0.006	99	327981	5.00	4.95	
69 Methylcyclohexane	83	8.220	8.220	0.000	93	511766	5.00	5.48	
70 1,2-Dichloropropane	63	8.244	8.244	0.000	98	323240	5.00	5.79	
71 2-ethoxy-2-methyl butane	87	8.269	8.268	0.000	91	424057	5.00	4.45	
72 Methyl methacrylate	69	8.354	8.354	0.000	90	102092	5.00	6.11	
73 1,4-Dioxane	88	8.348	8.360	-0.012	32	22444	125.0	158.9	M
74 Dibromomethane	93	8.360	8.360	0.000	96	123056	5.00	4.64	
76 Dichlorobromomethane	83	8.598	8.598	0.000	99	362601	5.00	4.99	
77 2-Nitropropane	41	8.872	8.872	0.000	99	27557	5.00	4.61	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	270365	5.00	5.69	
81 cis-1,3-Dichloropropene	75	9.159	9.159	0.001	96	422910	5.00	5.10	
82 4-Methyl-2-pentanone (MIBK)	43	9.348	9.347	0.001	97	1665673	62.5	79.3	
$ 83 Toluene-d8 (Surr)	98	9.476	9.476	0.000	94	2407410	10.0	10.6	
84 Toluene	92	9.549	9.555	-0.006	97	813866	5.00	5.34	
85 trans-1,3-Dichloropropene	75	9.823	9.823	0.000	93	336770	5.00	5.40	
86 Ethyl methacrylate	69	9.896	9.896	0.000	90	220944	5.00	5.31	
107 1,1,2-Trichloroethane	97	10.030	10.030	0.000	90	180417	5.00	5.21	
108 Tetrachloroethene	166	10.116	10.122	-0.006	96	335002	5.00	4.61	
109 1,3-Dichloropropane	76	10.195	10.195	0.000	90	322280	5.00	5.47	
110 2-Hexanone	43	10.262	10.262	0.000	97	1108981	62.5	85.0	
112 Chlorodibromomethane	129	10.408	10.408	0.000	90	217760	5.00	4.69	
113 Ethylene Dibromide	107	10.518	10.518	0.000	99	165337	5.00	5.04	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	87	1756714	10.0	10.0	
115 1-Chlorohexane	91	10.975	10.975	0.000	98	434416	5.00	5.10	
116 Chlorobenzene	112	10.987	10.987	0.000	93	875317	5.00	5.06	
117 1,1,1,2-Tetrachloroethane	131	11.067	11.073	-0.006	96	287817	5.00	4.67	
118 Ethylbenzene	91	11.079	11.079	0.000	99	1600315	5.00	5.29	
120 m-Xylene & p-Xylene	106	11.195	11.195	0.000	100	1212277	10.0	10.2	
121 o-Xylene	106	11.524	11.524	0.000	97	577421	5.00	4.90	
122 Styrene	104	11.542	11.542	0.000	94	934493	5.00	5.08	
123 Bromoform	173	11.695	11.695	0.000	96	115288	5.00	4.21	
124 Isopropylbenzene	105	11.829	11.829	0.000	96	1539711	5.00	5.34	
$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	88	849273	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
128 1,1,2,2-Tetrachloroethane	83	12.073	12.073	0.000	94	203150	5.00	5.53	
129 Bromobenzene	156	12.085	12.085	0.000	95	332789	5.00	4.83	
130 trans-1,4-Dichloro-2-butene	53	12.103	12.097	0.006	79	73142	25.0	7.52	
131 1,2,3-Trichloropropane	110	12.115	12.115	0.000	82	52797	5.00	5.08	
132 N-Propylbenzene	91	12.158	12.158	0.000	99	1920591	5.00	5.83	
133 2-Chlorotoluene	126	12.231	12.231	0.000	96	367254	5.00	5.18	
134 1,3,5-Trimethylbenzene	105	12.292	12.292	0.000	93	1316354	5.00	5.41	
135 4-Chlorotoluene	126	12.323	12.323	0.000	98	389408	5.00	5.32	
136 tert-Butylbenzene	134	12.530	12.530	0.000	93	265849	5.00	4.75	
138 1,2,4-Trimethylbenzene	105	12.579	12.572	0.007	98	1331991	5.00	5.30	
139 sec-Butylbenzene	105	12.694	12.694	0.000	95	1709691	5.00	5.47	
140 1,3-Dichlorobenzene	146	12.792	12.792	0.000	98	694589	5.00	4.82	
141 4-Isopropyltoluene	119	12.804	12.804	0.000	97	1424224	5.00	5.13	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	95	912429	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.865	12.865	0.000	95	700934	5.00	4.78	
144 1,2,3-Trimethylbenzene	120	12.877	12.877	0.000	98	543872	5.00	4.82	
145 Benzyl chloride	126	12.944	12.944	0.000	99	82260	5.00	5.15	
146 p-Diethylbenzene	119	13.005	13.005	0.000	90	841159	5.00	5.15	
147 n-Butylbenzene	92	13.097	13.091	0.006	97	786506	5.00	5.70	
148 1,2-Dichlorobenzene	146	13.127	13.121	0.006	97	598341	5.00	4.73	
150 1,2-Dibromo-3-Chloropropane	155	13.670	13.664	0.006	82	20354	5.00	4.02	
151 1,3,5-Trichlorobenzene	180	13.792	13.792	0.000	97	532654	5.00	4.60	
152 1,2,4-Trichlorobenzene	180	14.212	14.206	0.006	94	383735	5.00	4.35	
153 Hexachlorobutadiene	225	14.292	14.292	0.000	98	230112	5.00	4.55	
154 Naphthalene	128	14.389	14.389	0.000	97	507043	5.00	4.52	
155 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	95	266982	5.00	4.09	
156 2-Methylnaphthalene	142	15.139	15.127	0.012	91	144383	5.00	3.86	
167 Pentane	43	2.843	2.849	-0.006	96	462531	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00171	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00201	Amount Added: 12.50	Units: uL	
MSV_LCS_EE_00009	Amount Added: 12.50	Units: uL	
MSV_29_826ISS_00054	Amount Added: 1.00	Units: uL	Run Reagent

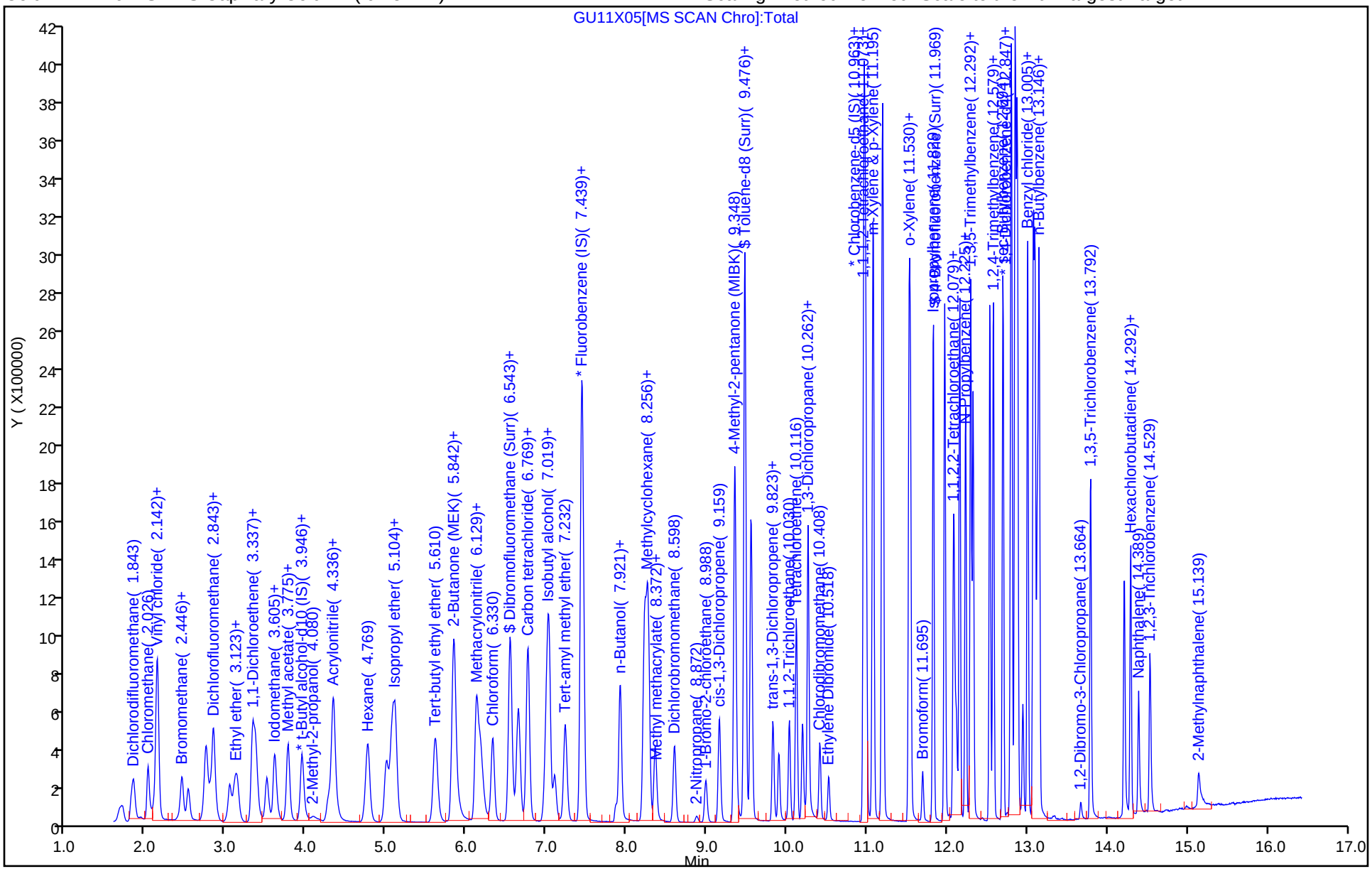
Report Date: 11-Jun-2024 13:22:50 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X05.D

Injection Date:	11-Jun-2024 11:49:30	Instrument ID:	16334	Operator ID:	knk41612
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\GU11X05.D				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	11-Jun-2024 11:49:30	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0116322-006				
Misc. Info.:	LCS				
Operator ID:	knk41612	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240611-116322.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	11-Jun-2024 11:21:35	Calib Date:	20-Feb-2024 04:53:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1612				

First Level Reviewer: DVW2 Date: 11-Jun-2024 12:12:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.29	92.88
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.59	95.92
$ 83 Toluene-d8 (Surr)	10.0	10.6	105.68
$ 127 4-Bromofluorobenzene (Surr)	10.0	10.2	101.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MS MS
Lab Sample ID: 410-174025-6 MS

Matrix: Water
Lab File ID: IU10X19.D

Analysis Method: 8260D
Date Collected: 05/30/2024 11:30

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 16:33

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.57		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.13		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.09		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.39		0.50	0.080
75-34-3	1,1-Dichloroethane	4.59		0.50	0.10
75-35-4	1,1-Dichloroethene	4.94		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	4.31		0.50	0.080
107-06-2	1,2-Dichloroethane	4.60		0.50	0.070
78-87-5	1,2-Dichloropropane	4.39		0.50	0.10
78-93-3	2-Butanone (MEK)	54.4		5.0	1.0
591-78-6	2-Hexanone	52.0		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	54.3		5.0	1.0
67-64-1	Acetone	51.7		5.0	1.5
71-43-2	Benzene	4.47		0.50	0.10
74-97-5	Bromochloromethane	4.86		0.50	0.080
75-27-4	Bromodichloromethane	4.64		0.50	0.080
75-25-2	Bromoform	4.32		1.0	0.30
74-83-9	Bromomethane	4.75		0.50	0.10
75-15-0	Carbon disulfide	4.30		1.0	0.10
56-23-5	Carbon tetrachloride	5.16		0.50	0.10
108-90-7	Chlorobenzene	4.61		0.50	0.070
75-00-3	Chloroethane	4.64		0.50	0.10
67-66-3	Chloroform	4.65		0.50	0.090
74-87-3	Chloromethane	4.12		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.27		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.02		0.50	0.10
124-48-1	Dibromochloromethane	4.56		0.50	0.080
100-41-4	Ethylbenzene	4.43		0.50	0.080
1634-04-4	Methyl tert-butyl ether	3.84		0.50	0.080
75-09-2	Methylene Chloride	4.56		0.50	0.20
100-42-5	Styrene	4.39		0.50	0.070
127-18-4	Tetrachloroethene	9.09		0.50	0.20
108-88-3	Toluene	4.46		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MS MS
Lab Sample ID: 410-174025-6 MS

Matrix: Water
Lab File ID: IU10X19.D

Analysis Method: 8260D
Date Collected: 05/30/2024 11:30

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 16:33

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	4.60		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.14		0.50	0.080
79-01-6	Trichloroethene	5.45		0.50	0.080
75-01-4	Vinyl chloride	4.66		0.50	0.10
1330-20-7	Xylenes, Total	13.5		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		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\19930\20240610-116210.b\IU10X19.D
Lims ID: 410-174025-A-6 MS
Client ID: HD-COD-SW-15-0/1-0 MS
Sample Type: MS
Inject. Date: 10-Jun-2024 16:33:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-020
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 07:56:20 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 07:56:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.812	1.818	-0.006	99	232422	5.00	5.05	
4 Chloromethane	50	1.989	2.001	-0.012	99	209752	5.00	4.12	
5 Vinyl chloride	62	2.105	2.111	-0.006	97	219595	5.00	4.66	
6 Butadiene	39	2.111	2.117	-0.006	92	210910	5.00	4.44	
7 Bromomethane	94	2.410	2.416	-0.006	91	157296	5.00	4.75	
8 Chloroethane	64	2.477	2.489	-0.012	99	124039	5.00	4.64	
9 Dichlorofluoromethane	67	2.715	2.715	0.000	97	307257	5.00	4.20	
10 Trichlorofluoromethane	101	2.776	2.776	0.000	97	273480	5.00	5.12	
11 Ethyl ether	59	2.989	2.989	0.000	90	103637	4.99	4.29	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.080	3.080	0.000	91	191715	5.00	4.46	
15 1,1-Dichloroethene	96	3.275	3.276	-0.001	98	141813	5.00	4.94	
16 Acetone	43	3.324	3.306	0.018	91	236457	62.6	51.7	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.318	3.318	0.000	90	139882	5.00	4.72	
18 Iodomethane	142	3.458	3.458	0.000	99	247464	5.00	4.32	
20 Carbon disulfide	76	3.556	3.556	0.000	99	375084	5.00	4.30	
23 Methyl acetate	43	3.702	3.696	0.006	35	65366	5.00	4.99	
24 3-Chloro-1-propene	41	3.708	3.714	-0.006	93	198502	5.00	3.57	
25 Methylene Chloride	84	3.879	3.891	-0.012	91	145150	5.00	4.56	
* 26 t-Butyl alcohol-d10 (IS)	65	3.922	3.903	0.019	96	99950	50.0	50.0	
27 2-Methyl-2-propanol	59	4.056	4.025	0.031	97	66912	50.0	36.0	
28 Acrylonitrile	53	4.226	4.220	0.006	99	121137	25.0	21.0	
29 Methyl tert-butyl ether	73	4.263	4.263	0.000	96	324497	5.00	3.84	
30 trans-1,2-Dichloroethene	96	4.275	4.281	-0.006	99	149842	5.00	4.60	
31 Hexane	57	4.708	4.708	0.000	92	201894	5.00	4.51	
32 1,1-Dichloroethane	63	4.934	4.940	-0.006	96	284191	5.00	4.59	
35 Isopropyl ether	45	5.001	5.001	0.000	94	402028	5.00	3.66	
36 2-Chloro-1,3-butadiene	53	5.049	5.050	-0.001	90	228175	5.00	4.36	
37 Tert-butyl ethyl ether	59	5.543	5.543	0.000	97	367854	5.00	3.68	
38 2-Butanone (MEK)	43	5.763	5.757	0.006	100	446498	62.6	54.4	
39 cis-1,2-Dichloroethene	96	5.781	5.775	0.006	81	196392	5.00	5.27	
40 2,2-Dichloropropane	77	5.793	5.793	0.000	87	244695	5.00	4.63	
43 Propionitrile	54	5.866	5.842	0.024	96	76807	37.5	33.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 Methacrylonitrile	67	6.061	6.049	0.012	92	278120	37.5	33.5	
46 Chlorobromomethane	128	6.122	6.116	0.006	91	75088	5.00	4.86	
47 Tetrahydrofuran	71	6.147	6.129	0.018	78	54603	25.0	21.8	
48 Chloroform	83	6.269	6.269	0.000	92	287151	5.00	4.65	
$ 49 Dibromofluoromethane (Surr)	113	6.482	6.482	0.000	94	286073	10.0	10.5	
50 1,1,1-Trichloroethane	97	6.494	6.488	0.006	82	276138	5.00	5.13	
51 Cyclohexane	56	6.598	6.592	0.006	90	254464	5.00	4.44	
54 Carbon tetrachloride	117	6.708	6.714	-0.006	95	241534	5.00	5.16	
53 1,1-Dichloropropene	75	6.708	6.714	-0.006	96	217679	5.00	4.62	
55 Isobutyl alcohol	41	6.891	6.878	0.013	89	59096	125.1	87.4	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.939	6.933	0.006	81	57941	10.0	10.3	
57 Benzene	78	6.970	6.970	0.000	97	632980	5.00	4.47	
58 1,2-Dichloroethane	62	7.049	7.043	0.006	98	169496	5.00	4.60	
60 Tert-amyl methyl ether	73	7.165	7.165	0.000	99	343721	5.00	3.84	
* 61 Fluorobenzene (IS)	96	7.378	7.378	0.000	98	1134796	10.0	10.0	
62 n-Heptane	43	7.403	7.397	0.006	91	218090	5.00	4.74	
63 n-Butanol	56	7.799	7.769	0.030	93	80887	250.2	147.8	
64 Trichloroethene	95	7.866	7.860	0.006	97	201904	5.00	5.45	
65 Methylcyclohexane	83	8.165	8.165	0.000	91	280847	5.00	4.84	
66 1,2-Dichloropropane	63	8.195	8.189	0.006	95	157862	5.00	4.39	
67 Methyl methacrylate	69	8.299	8.287	0.012	89	65110	5.00	4.25	
68 1,4-Dioxane	88	8.305	8.287	0.018	29	13176	125.1	113.9	M
69 Dibromomethane	93	8.305	8.305	0.000	94	76070	5.00	4.62	
71 Dichlorobromomethane	83	8.543	8.537	0.006	99	198761	5.00	4.64	
72 2-Nitropropane	41	8.823	8.805	0.018	95	21007	5.00	3.87	
75 1-Bromo-2-chloroethane	63	8.939	8.933	0.006	98	157425	5.00	4.47	
76 cis-1,3-Dichloropropene	75	9.104	9.098	0.006	96	214593	5.00	4.02	
77 4-Methyl-2-pentanone (MIBK)	43	9.280	9.280	0.000	96	1215543	62.6	54.3	
$ 78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1163418	10.0	9.93	
79 Toluene	92	9.506	9.500	0.006	98	422826	5.00	4.46	
97 trans-1,3-Dichloropropene	75	9.774	9.774	0.000	92	186797	5.00	4.14	
99 Ethyl methacrylate	69	9.847	9.841	0.006	88	145961	5.00	3.71	
100 1,1,2-Trichloroethane	97	9.981	9.982	-0.001	90	114711	5.00	4.39	
101 Tetrachloroethene	166	10.067	10.067	0.000	98	414306	5.00	9.09	
102 1,3-Dichloropropane	76	10.146	10.146	0.000	90	187345	5.00	4.25	
103 2-Hexanone	43	10.207	10.201	0.006	96	832489	62.6	52.0	
105 Chlorodibromomethane	129	10.366	10.366	0.000	89	148441	5.00	4.56	
106 Ethylene Dibromide	107	10.481	10.475	0.006	100	104980	5.00	4.31	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	891484	10.0	10.0	
108 1-Chlorohexane	91	10.926	10.926	0.000	96	226919	5.00	4.24	
109 Chlorobenzene	112	10.939	10.939	0.000	96	479518	5.00	4.61	
111 1,1,1,2-Tetrachloroethane	131	11.024	11.024	0.000	95	171680	5.00	4.57	
112 Ethylbenzene	91	11.030	11.030	0.000	98	824906	5.00	4.43	
113 m-Xylene & p-Xylene	106	11.146	11.146	0.000	93	670266	10.0	9.20	
114 o-Xylene	106	11.475	11.475	0.000	96	312941	5.00	4.31	
115 Styrene	104	11.493	11.493	0.000	94	504160	5.00	4.39	
116 Bromoform	173	11.652	11.652	0.000	98	91022	5.00	4.32	
117 Isopropylbenzene	105	11.780	11.780	0.000	95	854162	5.00	4.79	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	94	442774	10.0	10.2	
121 1,1,2,2-Tetrachloroethane	83	12.024	12.024	0.000	94	147559	5.00	4.09	
122 Bromobenzene	156	12.042	12.036	0.006	94	203043	5.00	4.21	
123 trans-1,4-Dichloro-2-butene	53	12.054	12.048	0.006	92	152112	25.0	18.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 1,2,3-Trichloropropane	110	12.072	12.073	-0.001	81	41353	5.00	4.29	
125 N-Propylbenzene	91	12.109	12.109	0.000	99	988801	5.00	4.22	
126 2-Chlorotoluene	126	12.182	12.182	0.000	97	203310	5.00	4.30	
127 1,3,5-Trimethylbenzene	105	12.249	12.249	0.000	94	715388	5.00	4.17	
128 4-Chlorotoluene	126	12.280	12.280	0.000	97	210285	5.00	4.39	
129 tert-Butylbenzene	134	12.487	12.487	0.000	92	152798	5.00	4.09	
131 1,2,4-Trimethylbenzene	105	12.530	12.530	0.000	97	722410	5.00	4.22	
132 sec-Butylbenzene	105	12.652	12.652	0.000	94	960151	5.00	4.39	
133 1,3-Dichlorobenzene	146	12.749	12.749	0.000	99	400454	5.00	4.25	
134 4-Isopropyltoluene	119	12.761	12.761	0.000	97	820380	5.00	4.32	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	93	553247	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.822	12.822	0.000	96	418294	5.00	4.33	
137 1,2,3-Trimethylbenzene	120	12.835	12.835	0.000	98	309114	5.00	3.98	
138 Benzyl chloride	126	12.902	12.896	0.006	98	59147	5.00	4.05	
139 n-Butylbenzene	92	13.048	13.048	0.000	97	401627	5.00	4.44	
140 1,2-Dichlorobenzene	146	13.078	13.078	0.000	99	375441	5.00	4.27	
142 1,2-Dibromo-3-Chloropropane	155	13.621	13.621	0.000	87	21153	5.00	3.69	
143 1,3,5-Trichlorobenzene	180	13.749	13.749	0.000	97	289848	5.00	4.20	
144 1,2,4-Trichlorobenzene	180	14.170	14.170	0.000	94	242502	5.00	4.22	
145 Hexachlorobutadiene	225	14.249	14.249	0.000	96	129232	5.00	4.83	
146 Naphthalene	128	14.346	14.347	-0.001	97	415241	5.00	3.82	
147 1,2,3-Trichlorobenzene	180	14.487	14.487	0.000	96	207253	5.00	4.32	
165 Isopropyl alcohol	45		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
155 2-Methylnaphthalene	142		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

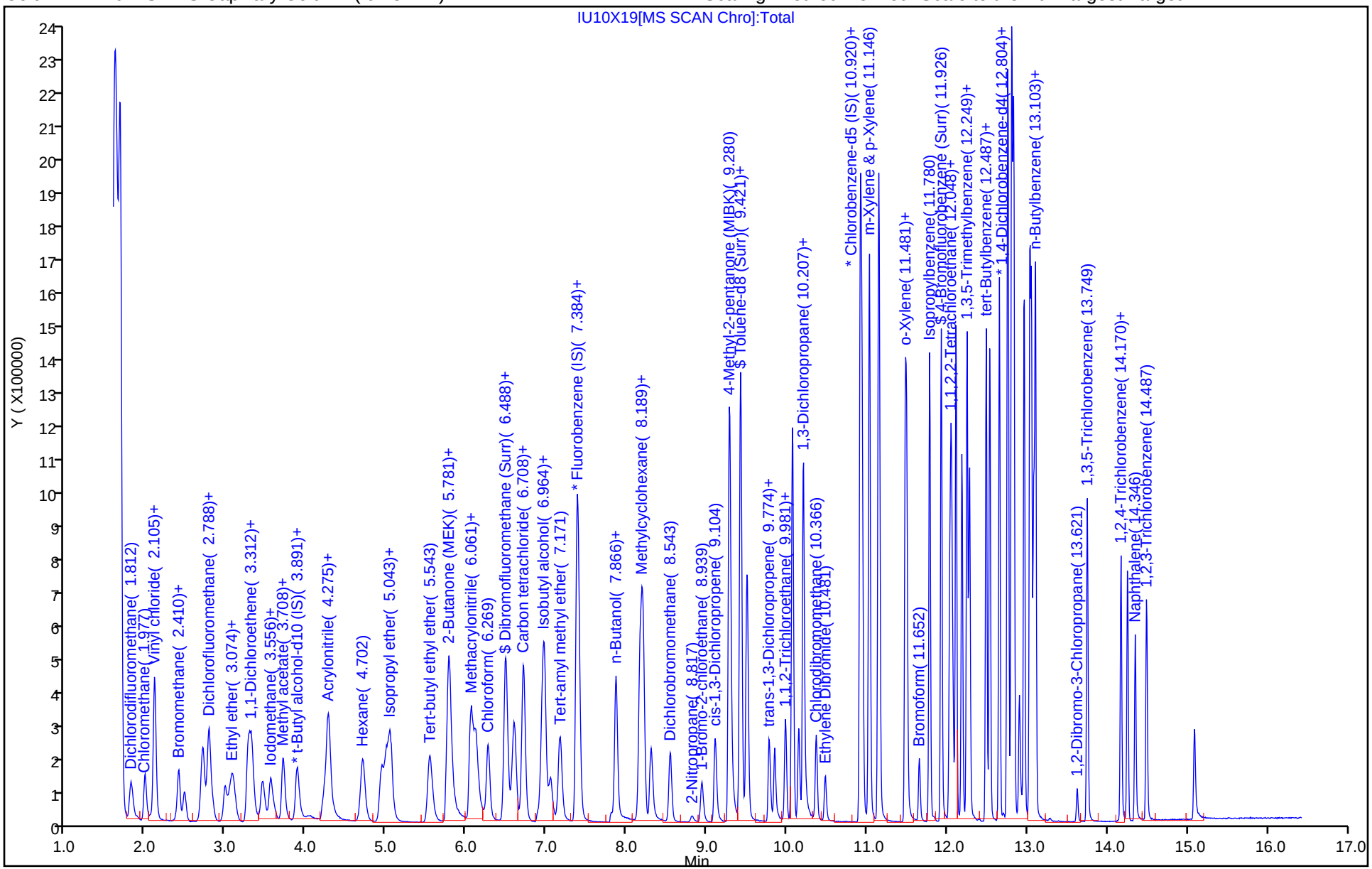
MSV_LCS_VOC#1_00171	Amount Added:	5.38	Units: uL	
MSV_LCS_EE_00009	Amount Added:	5.38	Units: uL	
MSV_QC_Gas826_00201	Amount Added:	5.38	Units: uL	
MSV_LLcentISS_00012	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 11-Jun-2024 07:56:20 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X19.D				
Injection Date:	10-Jun-2024 16:33:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	410-174025-A-6 MS			Worklist Smp#:	20
Client ID:	HD-COD-SW-15-0/1-0 MS				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X19.D				
Lims ID:	410-174025-A-6 MS				
Client ID:	HD-COD-SW-15-0/1-0 MS				
Sample Type:	MS				
Inject. Date:	10-Jun-2024 16:33:30	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0116210-020				
Operator ID:	knk41612	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	11-Jun-2024 07:56:20	Calib Date:	29-Feb-2024 01:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1691				

First Level Reviewer: FQ4L Date: 11-Jun-2024 07:56:20

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.5	104.77
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	102.81
$ 78 Toluene-d8 (Surr)	10.0	9.93	99.30
$ 120 4-Bromofluorobenzene (Surr)	10.0	10.2	102.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MSD MSD
Lab Sample ID: 410-174025-6 MSD

Matrix: Water
Lab File ID: IU10X20.D

Analysis Method: 8260D
Date Collected: 05/30/2024 11:30

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 16:54

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.51		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.06		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	3.97		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.29		0.50	0.080
75-34-3	1,1-Dichloroethane	4.55		0.50	0.10
75-35-4	1,1-Dichloroethene	4.93		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	4.32		0.50	0.080
107-06-2	1,2-Dichloroethane	4.35		0.50	0.070
78-87-5	1,2-Dichloropropane	4.41		0.50	0.10
78-93-3	2-Butanone (MEK)	56.8		5.0	1.0
591-78-6	2-Hexanone	54.6		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	56.5		5.0	1.0
67-64-1	Acetone	52.1		5.0	1.5
71-43-2	Benzene	4.42		0.50	0.10
74-97-5	Bromochloromethane	4.77		0.50	0.080
75-27-4	Bromodichloromethane	4.50		0.50	0.080
75-25-2	Bromoform	4.18		1.0	0.30
74-83-9	Bromomethane	4.79		0.50	0.10
75-15-0	Carbon disulfide	4.23		1.0	0.10
56-23-5	Carbon tetrachloride	5.11		0.50	0.10
108-90-7	Chlorobenzene	4.48		0.50	0.070
75-00-3	Chloroethane	4.79		0.50	0.10
67-66-3	Chloroform	4.61		0.50	0.090
74-87-3	Chloromethane	4.20		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.24		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.01		0.50	0.10
124-48-1	Dibromochloromethane	4.41		0.50	0.080
100-41-4	Ethylbenzene	4.35		0.50	0.080
1634-04-4	Methyl tert-butyl ether	3.79		0.50	0.080
75-09-2	Methylene Chloride	4.48		0.50	0.20
100-42-5	Styrene	4.24		0.50	0.070
127-18-4	Tetrachloroethene	8.82		0.50	0.20
108-88-3	Toluene	4.38		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-174025-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MSD MSD
Lab Sample ID: 410-174025-6 MSD

Matrix: Water
Lab File ID: IU10X20.D

Analysis Method: 8260D
Date Collected: 05/30/2024 11:30

Sample wt/vol: 25(mL)
Date Analyzed: 06/10/2024 16:54

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 515485
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	4.59		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.00		0.50	0.080
79-01-6	Trichloroethene	5.30		0.50	0.080
75-01-4	Vinyl chloride	4.69		0.50	0.10
1330-20-7	Xylenes, Total	13.3		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		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\19930\20240610-116210.b\IU10X20.D
Lims ID: 410-174025-A-6 MSD
Client ID: HD-COD-SW-15-0/1-0 MSD
Sample Type: MSD
Inject. Date: 10-Jun-2024 16:54:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116210-021
Operator ID: knk41612 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2024 08:00:42 Calib Date: 29-Feb-2024 01:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: FQ4L Date: 11-Jun-2024 08:00:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.812	1.818	-0.006	99	251685	5.00	5.18	
4 Chloromethane	50	1.989	2.001	-0.012	99	225882	5.00	4.20	
5 Vinyl chloride	62	2.111	2.111	0.000	97	233398	5.00	4.69	
6 Butadiene	39	2.105	2.117	-0.012	93	210867	5.00	4.20	
7 Bromomethane	94	2.410	2.416	-0.006	91	167587	5.00	4.79	
8 Chloroethane	64	2.483	2.489	-0.006	99	135177	5.00	4.79	
9 Dichlorofluoromethane	67	2.715	2.715	0.000	97	322950	5.00	4.18	
10 Trichlorofluoromethane	101	2.776	2.776	0.000	97	292351	5.00	5.18	
11 Ethyl ether	59	2.983	2.989	-0.006	90	111952	4.99	4.39	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.080	3.080	0.000	91	205620	5.00	4.53	
15 1,1-Dichloroethene	96	3.275	3.276	-0.001	98	149570	5.00	4.93	
16 Acetone	43	3.324	3.306	0.018	84	233370	62.6	52.1	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.318	3.318	0.000	91	144779	5.00	4.62	
18 Iodomethane	142	3.464	3.458	0.006	99	261039	5.00	4.32	
20 Carbon disulfide	76	3.562	3.556	0.006	99	390016	5.00	4.23	
23 Methyl acetate	43	3.714	3.696	0.018	42	75185	5.00	5.86	
24 3-Chloro-1-propene	41	3.714	3.714	0.000	92	207604	5.00	3.54	
25 Methylene Chloride	84	3.885	3.891	-0.006	90	150539	5.00	4.48	
* 26 t-Butyl alcohol-d10 (IS)	65	3.928	3.903	0.025	96	97894	50.0	50.0	
27 2-Methyl-2-propanol	59	4.056	4.025	0.031	99	48955	50.0	26.9	
28 Acrylonitrile	53	4.227	4.220	0.006	100	130907	25.0	23.2	
29 Methyl tert-butyl ether	73	4.263	4.263	0.000	94	338362	5.00	3.79	
30 trans-1,2-Dichloroethene	96	4.281	4.281	0.000	99	157839	5.00	4.59	
31 Hexane	57	4.708	4.708	0.000	92	203027	5.00	4.30	
32 1,1-Dichloroethane	63	4.940	4.940	0.000	96	297659	5.00	4.55	
35 Isopropyl ether	45	5.007	5.001	0.006	95	426622	5.00	3.68	
36 2-Chloro-1,3-butadiene	53	5.056	5.050	0.006	90	234246	5.00	4.23	
37 Tert-butyl ethyl ether	59	5.537	5.543	-0.006	97	388515	5.00	3.68	
38 2-Butanone (MEK)	43	5.769	5.757	0.012	100	457092	62.6	56.8	
39 cis-1,2-Dichloroethene	96	5.787	5.775	0.012	81	206213	5.00	5.24	
40 2,2-Dichloropropane	77	5.799	5.793	0.006	86	250257	5.00	4.48	
43 Propionitrile	54	5.885	5.842	0.043	96	77249	37.5	34.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 Methacrylonitrile	67	6.062	6.049	0.013	91	283885	37.5	34.9	
46 Chlorobromomethane	128	6.122	6.116	0.006	89	77821	5.00	4.77	
47 Tetrahydrofuran	71	6.135	6.129	0.006	83	56994	25.0	23.3	
48 Chloroform	83	6.269	6.269	0.000	93	300612	5.00	4.61	
$ 49 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	94	303634	10.0	10.5	
50 1,1,1-Trichloroethane	97	6.494	6.488	0.006	80	287517	5.00	5.06	
51 Cyclohexane	56	6.598	6.592	0.006	89	269710	5.00	4.45	
54 Carbon tetrachloride	117	6.714	6.714	0.000	97	252582	5.00	5.11	
53 1,1-Dichloropropene	75	6.714	6.714	0.000	97	224924	5.00	4.52	
55 Isobutyl alcohol	41	6.921	6.878	0.043	90	54086	125.1	81.6	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.939	6.933	0.006	80	59620	10.0	10.0	
57 Benzene	78	6.970	6.970	0.000	97	662476	5.00	4.42	
58 1,2-Dichloroethane	62	7.043	7.043	0.000	97	169471	5.00	4.35	
60 Tert-amyl methyl ether	73	7.171	7.165	0.006	98	355764	5.00	3.77	
* 61 Fluorobenzene (IS)	96	7.378	7.378	0.000	98	1198654	10.0	10.0	
62 n-Heptane	43	7.409	7.397	0.012	92	228279	5.00	4.70	
63 n-Butanol	56	7.848	7.769	0.079	92	72766	250.2	136.8	
64 Trichloroethene	95	7.866	7.860	0.006	97	207622	5.00	5.30	
65 Methylcyclohexane	83	8.171	8.165	0.006	93	297766	5.00	4.86	
66 1,2-Dichloropropane	63	8.195	8.189	0.006	96	167377	5.00	4.41	
67 Methyl methacrylate	69	8.299	8.287	0.012	84	67997	5.00	4.54	
68 1,4-Dioxane	88	8.476	8.287	0.189	28	12258	125.1	108.2	a
69 Dibromomethane	93	8.305	8.305	0.000	93	78265	5.00	4.50	
71 Dichlorobromomethane	83	8.543	8.537	0.006	99	203690	5.00	4.50	
72 2-Nitropropane	41	8.811	8.805	0.006	97	21475	5.00	4.04	
75 1-Bromo-2-chloroethane	63	8.939	8.933	0.006	99	162489	5.00	4.37	
76 cis-1,3-Dichloropropene	75	9.104	9.098	0.006	96	226264	5.00	4.01	
77 4-Methyl-2-pentanone (MIBK)	43	9.286	9.280	0.006	96	1239106	62.6	56.5	
$ 78 Toluene-d8 (Surr)	98	9.421	9.421	0.000	93	1232980	10.0	9.89	
79 Toluene	92	9.500	9.500	0.000	98	441739	5.00	4.38	
97 trans-1,3-Dichloropropene	75	9.780	9.774	0.006	93	191829	5.00	4.00	
99 Ethyl methacrylate	69	9.847	9.841	0.006	89	149146	5.00	3.56	
100 1,1,2-Trichloroethane	97	9.981	9.982	-0.001	90	119233	5.00	4.29	
101 Tetrachloroethene	166	10.073	10.067	0.006	98	427577	5.00	8.82	
102 1,3-Dichloropropane	76	10.146	10.146	0.000	90	195974	5.00	4.18	
103 2-Hexanone	43	10.207	10.201	0.006	95	855850	62.6	54.6	
105 Chlorodibromomethane	129	10.366	10.366	0.000	89	152764	5.00	4.41	
106 Ethylene Dibromide	107	10.475	10.475	0.000	98	111850	5.00	4.32	
* 107 Chlorobenzene-d5 (IS)	117	10.914	10.914	0.000	85	948173	10.0	10.0	
108 1-Chlorohexane	91	10.926	10.926	0.000	96	236311	5.00	4.15	
109 Chlorobenzene	112	10.945	10.939	0.006	95	495397	5.00	4.48	
111 1,1,1,2-Tetrachloroethane	131	11.024	11.024	0.000	94	180228	5.00	4.51	
112 Ethylbenzene	91	11.030	11.030	0.000	98	862392	5.00	4.35	
113 m-Xylene & p-Xylene	106	11.146	11.146	0.000	93	699125	10.0	9.02	
114 o-Xylene	106	11.475	11.475	0.000	97	327479	5.00	4.24	
115 Styrene	104	11.493	11.493	0.000	95	517953	5.00	4.24	
116 Bromoform	173	11.652	11.652	0.000	98	93552	5.00	4.18	
117 Isopropylbenzene	105	11.780	11.780	0.000	95	897624	5.00	4.73	
$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	94	462780	10.0	10.1	
121 1,1,2,2-Tetrachloroethane	83	12.030	12.024	0.006	94	149201	5.00	3.97	
122 Bromobenzene	156	12.042	12.036	0.006	96	211477	5.00	4.21	
123 trans-1,4-Dichloro-2-butene	53	12.054	12.048	0.006	92	158390	25.0	20.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 1,2,3-Trichloropropane	110	12.073	12.073	0.000	81	41108	5.00	4.10	
125 N-Propylbenzene	91	12.109	12.109	0.000	99	1026976	5.00	4.21	
126 2-Chlorotoluene	126	12.182	12.182	0.000	97	215581	5.00	4.38	
127 1,3,5-Trimethylbenzene	105	12.249	12.249	0.000	94	740288	5.00	4.14	
128 4-Chlorotoluene	126	12.280	12.280	0.000	97	217724	5.00	4.37	
129 tert-Butylbenzene	134	12.487	12.487	0.000	92	162339	5.00	4.17	
131 1,2,4-Trimethylbenzene	105	12.530	12.530	0.000	97	764402	5.00	4.29	
132 sec-Butylbenzene	105	12.652	12.652	0.000	94	997241	5.00	4.38	
133 1,3-Dichlorobenzene	146	12.749	12.749	0.000	98	417805	5.00	4.26	
134 4-Isopropyltoluene	119	12.761	12.761	0.000	97	858872	5.00	4.34	
* 135 1,4-Dichlorobenzene-d4	152	12.804	12.804	0.000	93	576043	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.822	12.822	0.000	95	432197	5.00	4.30	
137 1,2,3-Trimethylbenzene	120	12.835	12.835	0.000	98	324222	5.00	4.01	
138 Benzyl chloride	126	12.902	12.896	0.006	98	58914	5.00	3.87	
139 n-Butylbenzene	92	13.048	13.048	0.000	95	412739	5.00	4.39	
140 1,2-Dichlorobenzene	146	13.078	13.078	0.000	99	394450	5.00	4.31	
142 1,2-Dibromo-3-Chloropropane	155	13.627	13.621	0.006	89	22693	5.00	3.81	
143 1,3,5-Trichlorobenzene	180	13.749	13.749	0.000	98	315560	5.00	4.39	
144 1,2,4-Trichlorobenzene	180	14.170	14.170	0.000	94	256734	5.00	4.29	
145 Hexachlorobutadiene	225	14.249	14.249	0.000	96	139375	5.00	5.00	
146 Naphthalene	128	14.346	14.347	-0.001	96	453790	5.00	4.01	
147 1,2,3-Trichlorobenzene	180	14.487	14.487	0.000	95	220660	5.00	4.42	
165 Isopropyl alcohol	45		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
155 2-Methylnaphthalene	142		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

a - User Assigned ID

Reagents:

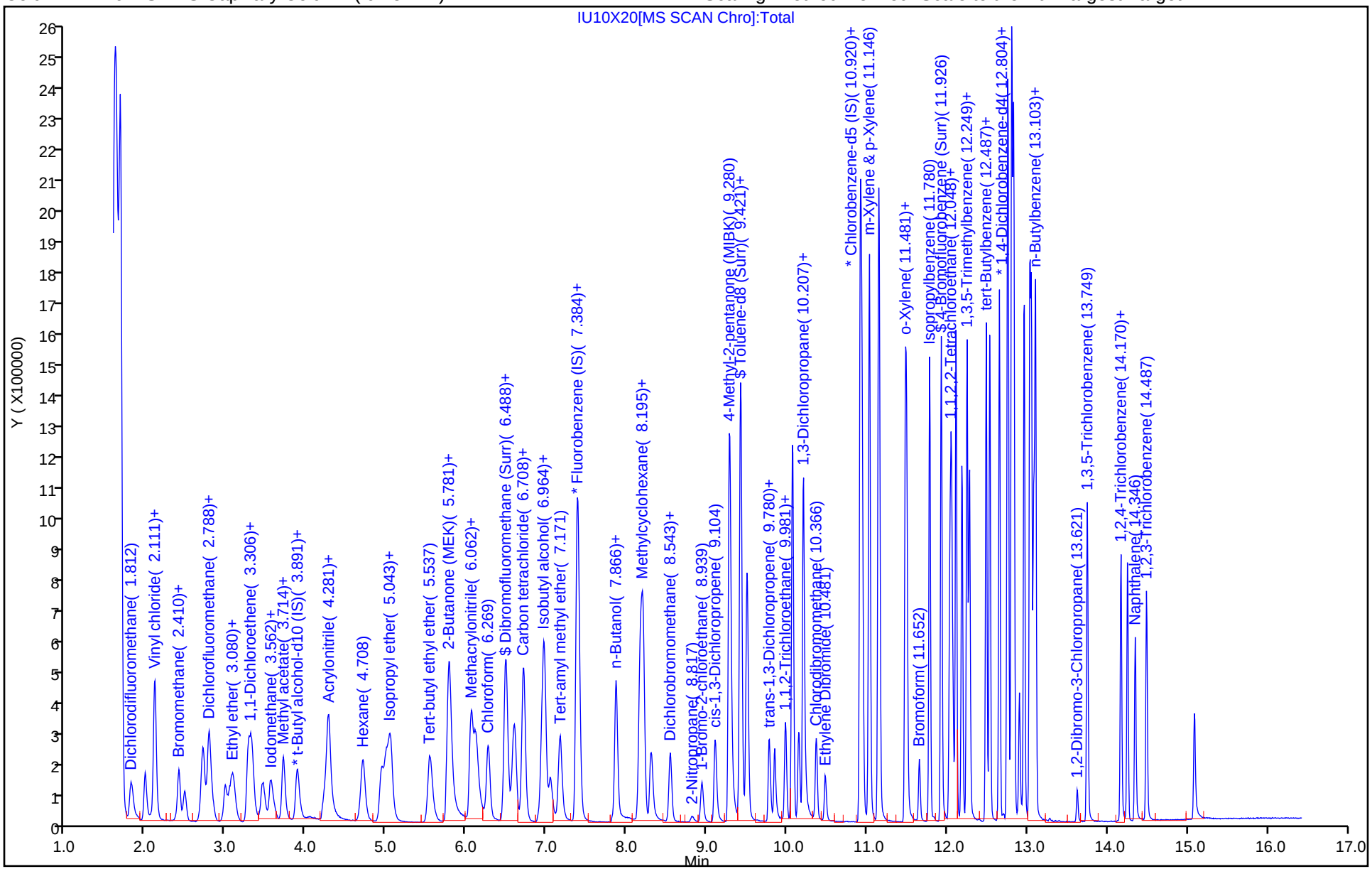
MSV_LCS_VOC#1_00171	Amount Added:	5.38	Units: uL	
MSV_LCS_EE_00009	Amount Added:	5.38	Units: uL	
MSV_QC_Gas826_00201	Amount Added:	5.38	Units: uL	
MSV_LLcentISS_00012	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 11-Jun-2024 08:00:42 Chrom Revision: 2.3 03-Jun-2024 21:09:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X20.D				
Injection Date:	10-Jun-2024 16:54:30	Instrument ID:	19930	Operator ID:	knk41612
Lims ID:	410-174025-A-6 MSD			Worklist Smp#:	21
Client ID:	HD-COD-SW-15-0/1-0 MSD				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\IU10X20.D				
Lims ID:	410-174025-A-6 MSD				
Client ID:	HD-COD-SW-15-0/1-0 MSD				
Sample Type:	MSD				
Inject. Date:	10-Jun-2024 16:54:30	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0116210-021				
Operator ID:	knk41612	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20240610-116210.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	11-Jun-2024 08:00:42	Calib Date:	29-Feb-2024 01:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20240228-107486.b\IF28X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1691				

First Level Reviewer: FQ4L Date: 11-Jun-2024 08:00:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.5	105.28
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.16
$ 78 Toluene-d8 (Surr)	10.0	9.89	98.94
$ 120 4-Bromofluorobenzene (Surr)	10.0	10.1	100.62

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-174025-1

SDG No.:

Instrument ID: 16334

Start Date: 02/19/2024 22:20

Analysis Batch Number: 474835

End Date: 02/20/2024 05:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-474835/1		02/19/2024 22:20	1	FEB19T01.D	R-624SilMS 30m 0.25(mm)
IC 410-474835/3		02/19/2024 23:00	1	FEB19X02.D	R-624SilMS 30m 0.25(mm)
IC 410-474835/4		02/19/2024 23:22	1	FEB19X03.D	R-624SilMS 30m 0.25(mm)
IC 410-474835/5		02/19/2024 23:44	1	FEB19X04.D	R-624SilMS 30m 0.25(mm)
IC 410-474835/6		02/20/2024 00:06	1	FEB19X05.D	R-624SilMS 30m 0.25(mm)
IC 410-474835/7		02/20/2024 00:28	1	FEB19X06.D	R-624SilMS 30m 0.25(mm)
IC 410-474835/8		02/20/2024 00:50	1	FEB19X07.D	R-624SilMS 30m 0.25(mm)
IC 410-474835/9		02/20/2024 01:12	1	FEB19X08.D	R-624SilMS 30m 0.25(mm)
ICV 410-474835/11		02/20/2024 01:57	1		R-624SilMS 30m 0.25(mm)
IC 410-474835/13		02/20/2024 02:41	1	FEB19X12.D	R-624SilMS 30m 0.25(mm)
IC 410-474835/14		02/20/2024 03:03	1	FEB19X13.D	R-624SilMS 30m 0.25(mm)
IC 410-474835/15		02/20/2024 03:25	1	FEB19X14.D	R-624SilMS 30m 0.25(mm)
IC 410-474835/16		02/20/2024 03:47	1	FEB19X15.D	R-624SilMS 30m 0.25(mm)
IC 410-474835/17		02/20/2024 04:09	1	FEB19X16.D	R-624SilMS 30m 0.25(mm)
ICIS 410-474835/18		02/20/2024 04:31	1	FEB19X17.D	R-624SilMS 30m 0.25(mm)
IC 410-474835/19		02/20/2024 04:53	1	FEB19X18.D	R-624SilMS 30m 0.25(mm)
ICV 410-474835/21		02/20/2024 05:37	1	FEB19X20.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-174025-1

SDG No.:

Instrument ID: 19930

Start Date: 02/19/2024 22:22

Analysis Batch Number: 474838

End Date: 02/20/2024 06:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-474838/1		02/19/2024 22:22	1	IF19T01.D	R-624SilMS 30m 0.25(mm)
IC 410-474838/14		02/20/2024 04:08	1	IF19X14.D	R-624SilMS 30m 0.25(mm)
IC 410-474838/15		02/20/2024 04:29	1	IF19X15.D	R-624SilMS 30m 0.25(mm)
IC 410-474838/16		02/20/2024 04:50	1	IF19X16.D	R-624SilMS 30m 0.25(mm)
IC 410-474838/17		02/20/2024 05:11	1	IF19X17.D	R-624SilMS 30m 0.25(mm)
IC 410-474838/18		02/20/2024 05:32	1	IF19X18.D	R-624SilMS 30m 0.25(mm)
ICIS 410-474838/19		02/20/2024 05:53	1	IF19X19.D	R-624SilMS 30m 0.25(mm)
IC 410-474838/20		02/20/2024 06:14	1	IF19X20.D	R-624SilMS 30m 0.25(mm)
ICV 410-474838/22		02/20/2024 06:56	1	IF19X22.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Instrument ID: 19930 Start Date: 06/10/2024 10:01

Analysis Batch Number: 515485 End Date: 06/10/2024 20:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-515485/1		06/10/2024 10:01	1	IU10T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-515485/3		06/10/2024 10:36	1	IU10X02.D	R-624SilMS 30m 0.25(mm)
LCS 410-515485/4		06/10/2024 10:57	1	IU10X03.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		06/10/2024 11:18	1		R-624SilMS 30m 0.25(mm)
MB 410-515485/6		06/10/2024 11:39	1	IU10X05.D	R-624SilMS 30m 0.25(mm)
410-174025-14	HD-QC1-0/1-2	06/10/2024 12:00	1	copy_IU10X06.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		06/10/2024 12:42	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/10/2024 13:03	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/10/2024 13:24	1		R-624SilMS 30m 0.25(mm)
410-174025-1	HD-COD-SW-6-0/1-0	06/10/2024 14:27	1	IU10X13.D	R-624SilMS 30m 0.25(mm)
410-174025-2	HD-COD-SW-7-0/1-0	06/10/2024 14:48	1	IU10X14.D	R-624SilMS 30m 0.25(mm)
410-174025-3	HD-COD-SW-8-0/1-0	06/10/2024 15:08	1	IU10X15.D	R-624SilMS 30m 0.25(mm)
410-174025-4	HD-COD-SW-9-0/1-0	06/10/2024 15:29	1	IU10X16.D	R-624SilMS 30m 0.25(mm)
410-174025-5	HD-COD-SW-13-0/1-0	06/10/2024 15:50	1	IU10X17.D	R-624SilMS 30m 0.25(mm)
410-174025-6	HD-COD-SW-15-0/1-0	06/10/2024 16:11	1	IU10X18.D	R-624SilMS 30m 0.25(mm)
410-174025-6 MS	HD-COD-SW-15-0/1-0 MS MS	06/10/2024 16:33	1	IU10X19.D	R-624SilMS 30m 0.25(mm)
410-174025-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	06/10/2024 16:54	1	IU10X20.D	R-624SilMS 30m 0.25(mm)
410-174025-7	HD-COD-SW-16-0/1-0	06/10/2024 17:15	1	IU10X21.D	R-624SilMS 30m 0.25(mm)
410-174025-9	HD-COD-SW-26-0/1-0	06/10/2024 17:36	1	IU10X22.D	R-624SilMS 30m 0.25(mm)
410-174025-10	HD-COD-SW-27-0/1-0	06/10/2024 17:56	1	IU10X23.D	R-624SilMS 30m 0.25(mm)
410-174025-11	HD-COD-SW-28-0/1-0	06/10/2024 18:17	1	IU10X24.D	R-624SilMS 30m 0.25(mm)
410-174025-12	HD-COD-SW-29-0/1-0	06/10/2024 18:38	1	IU10X25.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		06/10/2024 19:41	1		R-624SilMS 30m 0.25(mm)
410-174025-8	HD-COD-SW-17-0/1-0	06/10/2024 20:02	1	IU10X29.D	R-624SilMS 30m 0.25(mm)
410-174025-8 DL	HD-COD-SW-17-0/1-0 DL	06/10/2024 20:23	10	IU10X30.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-174025-1

SDG No.:

Instrument ID: 16334 Start Date: 06/11/2024 10:07

Analysis Batch Number: 515924 End Date: 06/11/2024 21:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-515924/1		06/11/2024 10:07	1	GU11T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-515924/3		06/11/2024 10:42	1	GU11X02.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 11:27	1		R-624SilMS 30m 0.25(mm)
LCS 410-515924/6		06/11/2024 11:49	1	GU11X05.D	R-624SilMS 30m 0.25(mm)
MB 410-515924/8		06/11/2024 12:38	1	GU11X07.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 13:01	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 13:23	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 13:45	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 14:07	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 14:30	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 14:52	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 15:14	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 15:37	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 15:59	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 16:21	1		R-624SilMS 30m 0.25(mm)
410-174025-13	HD-QC1-0/1-1	06/11/2024 16:43	1	GU11X18.D	R-624SilMS 30m 0.25(mm)
410-174025-13 DL	HD-QC1-0/1-1 DL	06/11/2024 17:05	10	GU11X19.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 17:27	5		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 17:49	5		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 18:11	5		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 18:33	5		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 18:55	50		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 19:17	2		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 19:39	500		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 20:01	5000		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 20:23	50		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 20:45	50		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 21:07	100		R-624SilMS 30m 0.25(mm)
ZZZZZ		06/11/2024 21:29	20		R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-174025-1

SDG No.:

Batch Number: 474835 | Batch Start Date: 02/19/24 22:20 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00007	MSV_CCV_CYC 00008	MSV_CCV_V5ACE 00033
BFB 410-474835/1		8260D			1 uL	1 uL				
IC 410-474835/3		8260D			25 mL	25 mL	2731		1.6 uL	0.2 uL
IC 410-474835/4		8260D			25 mL	25 mL	2731		4 uL	0.5 uL
IC 410-474835/5		8260D			25 mL	25 mL	2731		8 uL	1 uL
IC 410-474835/6		8260D			25 mL	25 mL	2731		8 uL	1 uL
IC 410-474835/7		8260D			25 mL	25 mL	2731		8 uL	1 uL
IC 410-474835/8		8260D			25 mL	25 mL	2731		8 uL	1 uL
IC 410-474835/9		8260D			25 mL	25 mL	2731		20 uL	2.5 uL
IC 410-474835/13		8260D			25 mL	25 mL	2731			
IC 410-474835/14		8260D			25 mL	25 mL	2731			
IC 410-474835/15		8260D			25 mL	25 mL	2731			
IC 410-474835/16		8260D			25 mL	25 mL	2731			
IC 410-474835/17		8260D			25 mL	25 mL	2731			
ICIS 410-474835/18		8260D			25 mL	25 mL	2731			
IC 410-474835/19		8260D			25 mL	25 mL	2731			
ICV 410-474835/21		8260D			25 mL	25 mL	2731	12.5 uL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00054	MSV_HP25_ISO 00009	MSV_HP25_ISSS 00084	MSV_LCS_ACROL 00155	MSV_LCS_EE 00008	MSV_LCS_Penta 00039
BFB 410-474835/1		8260D								
IC 410-474835/3		8260D			0.2 uL	1 uL				
IC 410-474835/4		8260D			0.5 uL	1 uL				
IC 410-474835/5		8260D			1 uL	1 uL				
IC 410-474835/6		8260D			1 uL	1 uL				
IC 410-474835/7		8260D			1 uL	1 uL				
IC 410-474835/8		8260D			1 uL	1 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-174025-1

SDG No.:

Batch Number: 474835 Batch Start Date: 02/19/24 22:20 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00054	MSV_HP25_ISO 00009	MSV_HP25_ISSS 00084	MSV_LCS_ACROL 00155	MSV_LCS_EE 00008	MSV_LCS_Penta 00039
IC 410-474835/9		8260D			2.5 uL	1 uL				
IC 410-474835/13		8260D					1 uL			
IC 410-474835/14		8260D					1 uL			
IC 410-474835/15		8260D					1 uL			
IC 410-474835/16		8260D					1 uL			
IC 410-474835/17		8260D					1 uL			
ICIS 410-474835/18		8260D					1 uL			
IC 410-474835/19		8260D					1 uL			
ICV 410-474835/21		8260D					1 uL	12.5 uL	12.5 uL	12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00154	MSV_LL_#1_826 00117	MSV_LL_#2_826 00127	MSV_LL_GAS826 00194	MSV_QC_Gas826 00184	MSV_V_BFB 00016
BFB 410-474835/1		8260D								1 uL
IC 410-474835/3		8260D								
IC 410-474835/4		8260D								
IC 410-474835/5		8260D								
IC 410-474835/6		8260D								
IC 410-474835/7		8260D								
IC 410-474835/8		8260D								
IC 410-474835/9		8260D								
IC 410-474835/13		8260D				2 uL	2 uL	2 uL		
IC 410-474835/14		8260D				2 uL	2 uL	2 uL		
IC 410-474835/15		8260D				2 uL	2 uL	2 uL		
IC 410-474835/16		8260D				2 uL	2 uL	2 uL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-174025-1

SDG No.:

Batch Number: 474835 | Batch Start Date: 02/19/24 22:20 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00154	MSV_LL_#1_826 00117	MSV_LL_#2_826 00127	MSV_LL_GAS826 00194	MSV_QC_Gas826 00184	MSV_V_BFB 00016
IC 410-474835/17		8260D				5 uL	5 uL	5 uL		
ICIS 410-474835/18		8260D				10 uL	10 uL	10 uL		
IC 410-474835/19		8260D				25 uL	25 uL	25 uL		
ICV 410-474835/21		8260D			12.5 uL				12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_SMRV4 00067					
BFB 410-474835/1		8260D								
IC 410-474835/3		8260D			1 uL					
IC 410-474835/4		8260D			2.5 uL					
IC 410-474835/5		8260D			5 uL					
IC 410-474835/6		8260D			5 uL					
IC 410-474835/7		8260D			5 uL					
IC 410-474835/8		8260D			5 uL					
IC 410-474835/9		8260D			12.5 uL					
IC 410-474835/13		8260D								
IC 410-474835/14		8260D								
IC 410-474835/15		8260D								
IC 410-474835/16		8260D								
IC 410-474835/17		8260D								
ICIS 410-474835/18		8260D								
IC 410-474835/19		8260D								
ICV 410-474835/21		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.: 410-174025-1

SDG No.:

Batch Number: 474835 | Batch Start Date: 02/19/24 22:20 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

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.: 410-174025-1

SDG No.:

Batch Number: 474838 | Batch Start Date: 02/19/24 22:22 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00007	MSV_LCS_ACROL 00155	MSV_LCS_EE 00008
BFB 410-474838/1		8260D			1 uL	1 uL				
IC 410-474838/14		8260D			25 mL	25 mL	2731			
IC 410-474838/15		8260D			25 mL	25 mL	2731			
IC 410-474838/16		8260D			25 mL	25 mL	2731			
IC 410-474838/17		8260D			25 mL	25 mL	2731			
IC 410-474838/18		8260D			25 mL	25 mL	2731			
ICIS 410-474838/19		8260D			25 mL	25 mL	2731			
IC 410-474838/20		8260D			25 mL	25 mL	2731			
ICV 410-474838/22		8260D			25 mL	25 mL	2731	12.5 uL	12.5 uL	12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_Penta 00039	MSV_LCS_VOC#1 00154	MSV_LL_#1_826 00117	MSV_LL_#2_826 00127	MSV_LL_GAS826 00194	MSV_LLcentISS 00012
BFB 410-474838/1		8260D								
IC 410-474838/14		8260D					2 uL	2 uL	2 uL	5 uL
IC 410-474838/15		8260D					2 uL	2 uL	2 uL	5 uL
IC 410-474838/16		8260D					2 uL	2 uL	2 uL	5 uL
IC 410-474838/17		8260D					2 uL	2 uL	2 uL	5 uL
IC 410-474838/18		8260D					5 uL	5 uL	5 uL	5 uL
ICIS 410-474838/19		8260D					10 uL	10 uL	10 uL	5 uL
IC 410-474838/20		8260D					25 uL	25 uL	25 uL	5 uL
ICV 410-474838/22		8260D			12.5 uL	12.5 uL				5 uL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-174025-1

SDG No.:

Batch Number: 474838 Batch Start Date: 02/19/24 22:22 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_QC_Gas826 00184	MSV_V_BFB 00016				
BFB 410-474838/1		8260D				1 uL				
IC 410-474838/14		8260D								
IC 410-474838/15		8260D								
IC 410-474838/16		8260D								
IC 410-474838/17		8260D								
IC 410-474838/18		8260D								
ICIS 410-474838/19		8260D								
IC 410-474838/20		8260D								
ICV 410-474838/22		8260D			12.5 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.: 410-174025-1

SDG No.:

Batch Number: 515485 | Batch Start Date: 06/10/24 10:01 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-515485/1		8260D			1 uL	1 uL				
CCVIS 410-515485/3		8260D			25 mL	25 mL				2750
LCS 410-515485/4		8260D			25 mL	25 mL				2750
MB 410-515485/6		8260D			25 mL	25 mL				2750
410-174025-A-14	HD-QC1-0/1-2	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-174025-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-174025-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-174025-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-174025-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-174025-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-174025-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-174025-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-174025-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-174025-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-174025-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-174025-A-10	HD-COD-SW-27-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-174025-A-11	HD-COD-SW-28-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-174025-A-12	HD-COD-SW-29-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-174025-A-8	HD-COD-SW-17-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-174025-B-8	HD-COD-SW-17-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	2750

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_EE 00009	MSV_LCS_VOC#1 00171	MSV_LL_#1_826 00130	MSV_LL_#2_826 00139	MSV_LL_GAS524 00161	MSV_LLcentISS 00012

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.: 410-174025-1

SDG No.:

Batch Number: 515485 Batch Start Date: 06/10/24 10:01 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_EE 00009	MSV_LCS_VOC#1 00171	MSV_LL_#1_826 00130	MSV_LL_#2_826 00139	MSV_LL_GAS524 00161	MSV_LLcentISS 00012
BFB 410-515485/1		8260D								
CCVIS 410-515485/3		8260D					20 uL	20 uL	20 uL	5 uL
LCS 410-515485/4		8260D			12.5 uL	12.5 uL				5 uL
MB 410-515485/6		8260D								5 uL
410-174025-A-14	HD-QC1-0/1-2	8260D	Water	T						5 uL
410-174025-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T						5 uL
410-174025-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T						5 uL
410-174025-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T						5 uL
410-174025-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T						5 uL
410-174025-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T						5 uL
410-174025-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T						5 uL
410-174025-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	Water	T	5.38 uL	5.38 uL				5 uL
410-174025-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	Water	T	5.38 uL	5.38 uL				5 uL
410-174025-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T						5 uL
410-174025-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T						5 uL
410-174025-A-10	HD-COD-SW-27-0/1-0	8260D	Water	T						5 uL
410-174025-A-11	HD-COD-SW-28-0/1-0	8260D	Water	T						5 uL
410-174025-A-12	HD-COD-SW-29-0/1-0	8260D	Water	T						5 uL
410-174025-A-8	HD-COD-SW-17-0/1-0	8260D	Water	T						5 uL
410-174025-B-8	HD-COD-SW-17-0/1-0	8260D	Water	T						5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_QC_Gas826 00201	MSV_V_BFB 00017				

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.: 410-174025-1

SDG No.:

Batch Number: 515485 | Batch Start Date: 06/10/24 10:01 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_QC_Gas826 00201	MSV_V_BFB 00017				
BFB 410-515485/1		8260D				1 uL				
CCVIS 410-515485/3		8260D								
LCS 410-515485/4		8260D			12.5 uL					
MB 410-515485/6		8260D								
410-174025-A-14	HD-QC1-0/1-2	8260D	Water	T						
410-174025-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T						
410-174025-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T						
410-174025-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T						
410-174025-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T						
410-174025-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T						
410-174025-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T						
410-174025-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	Water	T	5.38 uL					
410-174025-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	Water	T	5.38 uL					
410-174025-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T						
410-174025-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T						
410-174025-A-10	HD-COD-SW-27-0/1-0	8260D	Water	T						
410-174025-A-11	HD-COD-SW-28-0/1-0	8260D	Water	T						
410-174025-A-12	HD-COD-SW-29-0/1-0	8260D	Water	T						
410-174025-A-8	HD-COD-SW-17-0/1-0	8260D	Water	T						
410-174025-B-8	HD-COD-SW-17-0/1-0	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.: 410-174025-1

SDG No.:

Batch Number: 515485 | Batch Start Date: 06/10/24 10:01 | Batch Analyst: Kephart, Kayla

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-174025-1

SDG No.:

Batch Number: 515924 | Batch Start Date: 06/11/24 10:07 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-515924/1		8260D			1 uL	1 uL				
CCVIS 410-515924/3		8260D			25 mL	25 mL				2750
LCS 410-515924/6		8260D			25 mL	25 mL				2750
MB 410-515924/8		8260D			25 mL	25 mL				2750
410-174025-A-13	HD-QC1-0/1-1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-174025-B-13	HD-QC1-0/1-1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	2750

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_29_826ISS 00054	MSV_LCS_EE 00009	MSV_LCS_VOC#1 00171	MSV_LL_#1_826 00132	MSV_LL_#2_826 00140	MSV_LL_GAS826 00214
BFB 410-515924/1		8260D								
CCVIS 410-515924/3		8260D			1 uL			20 uL	20 uL	20 uL
LCS 410-515924/6		8260D			1 uL	12.5 uL	12.5 uL			
MB 410-515924/8		8260D			1 uL					
410-174025-A-13	HD-QC1-0/1-1	8260D	Water	T	1 uL					
410-174025-B-13	HD-QC1-0/1-1	8260D	Water	T	1 uL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_QC_Gas826 00201	MSV_V_BFB 00017				
BFB 410-515924/1		8260D				1 uL				
CCVIS 410-515924/3		8260D								
LCS 410-515924/6		8260D			12.5 uL					
MB 410-515924/8		8260D								
410-174025-A-13	HD-QC1-0/1-1	8260D	Water	T						
410-174025-B-13	HD-QC1-0/1-1	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.: 410-174025-1

SDG No.:

Batch Number: 515924 | Batch Start Date: 06/11/24 10:07 | Batch Analyst: Kephart, Kayla

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.

Shipping and Receiving Documents

Environmental Analysis Request/Chain of Custody

410-174025 Chain of Custody

Acct. # _____ Group # _____ Sample # _____

Client:	Groundwater Sciences Corporation		
Project Name/#:	fYNOP Monthly Surface Water	Site ID #:	fYNOP, York PA
Project Manager:	Chris O'Neil	P.O. #:	10012.51
Sampler:	Casey Littlefield / Lucas Grimm	PWSID #:	N/A
Phone #:	(717) 901-8176 / (717) 756-1246	Quote #:	
State where samples were collected: York, PA		For Compliance: Yes ☐ No ☑	

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil	Sediment	Tissue	Potable Water	Ground	Surface	NPDES	Other:	Total # of Containers	Analyses Requested: Aqueous VOCs via 8260D (low level - 25 ml purge)
														Preservation Codes: H
HD-COD-SW-6-0/1-0	5/30/2024	1019	X					X					3	X
HD-COD-SW-7-0/1-0		1107	X					X					3	X
HD-COD-SW-8-0/1-0		0912	X					X					3	X
HD-COD-SW-9-0/1-0		1234	X					X					3	X
HD-COD-SW-13-0/1-0		0930	X					X					3	X
HD-COD-SW-15-0/1-0		1130	X					X					3	X
HD-COD-SW-15-0/1-0 MS		1130	X					X					3	X
HD-COD-SW-15-0/1-0 MSD		1130	X					X					3	X
HD-COD-SW-16-0/1-0		0950	X					X					3	X
HD-COD-SW-17-0/1-0		1000	X					X					3	X

For Lab Use Only
SF #: _____
SCR #: _____

Preservation Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 P = H_3PO_4
O = Other

Remarks
* All samples preserved on ice

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed: STANDARD

Rush results requested by (please check): E-Mail ☐ Phone ☐

E-mail Address: ON FILE

Phone:

Data Package Options (please check if required)

Type I (Validation/non-CLP)	☐	MA MCP	☐
Type III (Reduced non-CLP)	☐	CT RCP	☐
Type VI (Raw Data Only)	☐	TX TRRP-13	☐
NJ DKQP	☐	NYSDEC Category	☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: CLP Like Deliverables, Project Specific Analyte List

Relinquished by:	Date	Time	Received by:	Date	Time
	5/30/24	1349		5/30/24	1349
	5/31/24	1345		5/31/24	1345
	5/31/24	1525		Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	5/31/24	1525

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature upon receipt R: 2.9 C° 2.8 °C

Environmental Analysis Request/Chain of Custody

eurofins

Lancaster Laboratories Environmental

Acct. # _____ Group # _____ Sample # _____

Client:	Groundwater Sciences Corporation		
Project Name/#:	fYNOP Monthly Surface Water	Site ID #:	fYNOP, York PA
Project Manager:	Chris O'Neil	P.O. #:	10012.51
Sampler:	Casey Littlefield / Lucas Grimm	PWSID #:	N/A
Phone #:	(717) 901-8176 / (717) 756-1246	Quote #:	
State where samples were collected: York, PA		For Compliance: Yes ☐ No ☑	

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil	Sediment	Tissue	Water: Potable	Ground	Surface	NPDES	Other: Trip Blank	Total # of Containers	Analyses Requested: Aqueous VOCs via 8260D (low level - 25 ml purge)	Preservation Codes: H	Remarks
HD-COD-SW-26-0/1-0	5/30/2024	1045	X					X					3	X		
HD-COD-SW-27-0/1-0		1119	X					X					3	X		
HD-COD-SW-28-0/1-0		1255	X					X					3	X		
HD-COD-SW-29-0/1-0		0857	X					X					3	X		
HD-QC1-0/1-1		1200	X					X					3	X		
HD-QC1-0/1-2	↓	—	X									X	2	X		Trip Blank

For Lab Use Only

SF #: _____

SCR #: _____

Preservation Codes

H = HCl T = Thiosulfate

N = HNO_3 B = NaOH

S = H_2SO_4 P = H_3PO_4

O = Other

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐

(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed: STANDARD

Rush results requested by (please check): E-Mail ☐ Phone ☐

E-mail Address: ON FILE

Phone:

Data Package Options (please check if required)

Type I (Validation/non-CLP)	☐	MA MCP	☐
Type III (Reduced non-CLP)	☐	CT RCP	☐
Type VI (Raw Data Only)	☐	TX TRRP-13	☐
NJ DKQP	☐	NYSDEC Category	☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: CLP Like Deliverables, Project Specific Analyte List

Relinquished by:	Date	Time	Received by:	Date	Time
	5/30/24	1349		05/30/24	1349
	5/30/24	1345		5/31/24	1345
	5/31/24	1525			
				5/31/24	1525

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____

Temperature upon receipt R: 2.9 C: 2.8 °C

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-174025-1

Login Number: 174025

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: McBeth, Jessica

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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.	False	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-174025-1

Login Number: 174025

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

Creator: Hastings, Greg

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.		