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ANALYTICAL REPORT

PREPARED FOR

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

Generated 05/10/2024

JOB DESCRIPTION

fYNOP Monthly Surface Water

JOB NUMBER

410-169938-1

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

See page two for job notes and contact information.

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

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

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

Authorization

Generated
05/10/2024

Authorized for release by
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Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
FH	MS and/or MSD recovery above control limits.
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
410-169938-1

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 4/30/2024 4:27 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C.

GC/MS VOA
Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 410-503852 recovered above the upper control limit for 1,2-Dichloropropane, 2-Butanone (MEK), 2-Hexanone and 4-Methyl-2-pentanone (MIBK). 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: 410-169938-1
Project/Site: fYNOP Monthly Surface Water

Client Sample ID: HD-COD-SW-6-0/1-0
Lab Sample ID: 410-169938-1

No Detections.

Client Sample ID: HD-COD-SW-7-0/1-0
Lab Sample ID: 410-169938-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.11	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.096	J	0.50	0.080	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-8-0/1-0
Lab Sample ID: 410-169938-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.6	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	0.51		0.50	0.20	ug/L	1		8260D	Total/NA
Toluene	0.12	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.12	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-9-0/1-0
Lab Sample ID: 410-169938-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.6	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.096	J	0.50	0.090	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.32	J	0.50	0.20	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-13-0/1-0
Lab Sample ID: 410-169938-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.9	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloromethane	0.11	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.2		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: 410-169938-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.30	J	0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.13	J FH	0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.19	J FH	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.21	J FH	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.13	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.97	FH	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	5.3	FH	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	1.1	FH	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-16-0/1-0
Lab Sample ID: 410-169938-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.6	J	5.0	1.5	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.13	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.5		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.14	J	0.50	0.080	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HD-COD-SW-17-0/1-0 — Lab Sample ID: 410-169938-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	9.2		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.8		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.73		0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.20	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	3.2		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	4.1		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	100		5.0	2.0	ug/L	10		8260D	Total/NA

Client Sample ID: HD-COD-SW-26-0/1-0 — Lab Sample ID: 410-169938-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.12	J	0.50	0.10	ug/L	1		8260D	Total/NA
Acetone	1.5	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.48	J	0.50	0.090	ug/L	1		8260D	Total/NA
Tetrachloroethene	3.5		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.16	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-27-0/1-0 — Lab Sample ID: 410-169938-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.0	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloromethane	0.11	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.13	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.12	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-28-0/1-0 — Lab Sample ID: 410-169938-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.3	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.098	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.094	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.33	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-COD-SW-29-0/1-0 — Lab Sample ID: 410-169938-12

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	0.18	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.47	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.14	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-QC1-0/1-1 — Lab Sample ID: 410-169938-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	9.4		0.50	0.080	ug/L	1		8260D	Total/NA
1,1,2-Trichloroethane	2.0		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.8		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.82		0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.21	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	3.1		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	4.2		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	100		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: 410-169938-1
Project/Site: fYNOP Monthly Surface Water

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-169938-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.26	J	0.50	0.20	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

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

Lab Sample ID: 410-169938-1

Date Collected: 04/29/24 10:20

Matrix: Water

Date Received: 04/30/24 16:27

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			05/08/24 23:09	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/08/24 23:09	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/08/24 23:09	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/08/24 23:09	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/08/24 23:09	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/08/24 23:09	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/08/24 23:09	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/08/24 23:09	1
1,2-Dichloropropane	ND	^c cn	0.50	0.10	ug/L			05/08/24 23:09	1
2-Butanone (MEK)	ND	^c cn	5.0	1.0	ug/L			05/08/24 23:09	1
2-Hexanone	ND	^c cn	5.0	2.0	ug/L			05/08/24 23:09	1
4-Methyl-2-pentanone (MIBK)	ND	^c cn	5.0	1.0	ug/L			05/08/24 23:09	1
Acetone	ND		5.0	1.5	ug/L			05/08/24 23:09	1
Benzene	ND		0.50	0.10	ug/L			05/08/24 23:09	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/08/24 23:09	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/08/24 23:09	1
Bromoform	ND		1.0	0.30	ug/L			05/08/24 23:09	1
Bromomethane	ND		0.50	0.10	ug/L			05/08/24 23:09	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/08/24 23:09	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/08/24 23:09	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/08/24 23:09	1
Chloroethane	ND		0.50	0.10	ug/L			05/08/24 23:09	1
Chloroform	ND		0.50	0.090	ug/L			05/08/24 23:09	1
Chloromethane	ND		0.50	0.10	ug/L			05/08/24 23:09	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/08/24 23:09	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/08/24 23:09	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/08/24 23:09	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/08/24 23:09	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/08/24 23:09	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/08/24 23:09	1
Styrene	ND		0.50	0.070	ug/L			05/08/24 23:09	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/08/24 23:09	1
Toluene	ND		0.50	0.080	ug/L			05/08/24 23:09	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/08/24 23:09	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/08/24 23:09	1
Trichloroethene	ND		0.50	0.080	ug/L			05/08/24 23:09	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/08/24 23:09	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/08/24 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 120*		*05/08/24 23:09*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*05/08/24 23:09*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/08/24 23:09*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*05/08/24 23:09*	*1*

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

Lab Sample ID: 410-169938-2

Date Collected: 04/29/24 11:00

Matrix: Water

Date Received: 04/30/24 16:27

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			05/08/24 23:29	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/08/24 23:29	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/08/24 23:29	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/08/24 23:29	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/08/24 23:29	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/08/24 23:29	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/08/24 23:29	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/08/24 23:29	1
1,2-Dichloropropane	ND	^c cn	0.50	0.10	ug/L			05/08/24 23:29	1
2-Butanone (MEK)	ND	^c cn	5.0	1.0	ug/L			05/08/24 23:29	1
2-Hexanone	ND	^c cn	5.0	2.0	ug/L			05/08/24 23:29	1
4-Methyl-2-pentanone (MIBK)	ND	^c cn	5.0	1.0	ug/L			05/08/24 23:29	1
Acetone	ND		5.0	1.5	ug/L			05/08/24 23:29	1
Benzene	ND		0.50	0.10	ug/L			05/08/24 23:29	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/08/24 23:29	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/08/24 23:29	1
Bromoform	ND		1.0	0.30	ug/L			05/08/24 23:29	1
Bromomethane	ND		0.50	0.10	ug/L			05/08/24 23:29	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/08/24 23:29	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/08/24 23:29	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/08/24 23:29	1
Chloroethane	ND		0.50	0.10	ug/L			05/08/24 23:29	1
Chloroform	ND		0.50	0.090	ug/L			05/08/24 23:29	1
Chloromethane	**0.11**	**J**	0.50	0.10	ug/L			05/08/24 23:29	1
cis-1,2-Dichloroethene	**0.096**	**J**	0.50	0.080	ug/L			05/08/24 23:29	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/08/24 23:29	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/08/24 23:29	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/08/24 23:29	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/08/24 23:29	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/08/24 23:29	1
Styrene	ND		0.50	0.070	ug/L			05/08/24 23:29	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/08/24 23:29	1
Toluene	ND		0.50	0.080	ug/L			05/08/24 23:29	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/08/24 23:29	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/08/24 23:29	1
Trichloroethene	**0.13**	**J**	0.50	0.080	ug/L			05/08/24 23:29	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/08/24 23:29	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/08/24 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*05/08/24 23:29*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*05/08/24 23:29*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/08/24 23:29*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/08/24 23:29*	*1*

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

Lab Sample ID: 410-169938-3

Date Collected: 04/29/24 09:15

Matrix: Water

Date Received: 04/30/24 16:27

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			05/08/24 23:50	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/08/24 23:50	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/08/24 23:50	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/08/24 23:50	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/08/24 23:50	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/08/24 23:50	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/08/24 23:50	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/08/24 23:50	1
1,2-Dichloropropane	ND	^c cn	0.50	0.10	ug/L			05/08/24 23:50	1
2-Butanone (MEK)	ND	^c cn	5.0	1.0	ug/L			05/08/24 23:50	1
2-Hexanone	ND	^c cn	5.0	2.0	ug/L			05/08/24 23:50	1
4-Methyl-2-pentanone (MIBK)	ND	^c cn	5.0	1.0	ug/L			05/08/24 23:50	1
Acetone	**1.6**	**J**	5.0	1.5	ug/L			05/08/24 23:50	1
Benzene	ND		0.50	0.10	ug/L			05/08/24 23:50	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/08/24 23:50	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/08/24 23:50	1
Bromoform	ND		1.0	0.30	ug/L			05/08/24 23:50	1
Bromomethane	ND		0.50	0.10	ug/L			05/08/24 23:50	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/08/24 23:50	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/08/24 23:50	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/08/24 23:50	1
Chloroethane	ND		0.50	0.10	ug/L			05/08/24 23:50	1
Chloroform	ND		0.50	0.090	ug/L			05/08/24 23:50	1
Chloromethane	ND		0.50	0.10	ug/L			05/08/24 23:50	1
cis-1,2-Dichloroethene	**0.11**	**J**	0.50	0.080	ug/L			05/08/24 23:50	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/08/24 23:50	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/08/24 23:50	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/08/24 23:50	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/08/24 23:50	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/08/24 23:50	1
Styrene	ND		0.50	0.070	ug/L			05/08/24 23:50	1
Tetrachloroethene	**0.51**		0.50	0.20	ug/L			05/08/24 23:50	1
Toluene	**0.12**	**J**	0.50	0.080	ug/L			05/08/24 23:50	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/08/24 23:50	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/08/24 23:50	1
Trichloroethene	**0.12**	**J**	0.50	0.080	ug/L			05/08/24 23:50	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/08/24 23:50	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/08/24 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*05/08/24 23:50*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*05/08/24 23:50*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/08/24 23:50*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/08/24 23:50*	*1*

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

Lab Sample ID: 410-169938-4

Date Collected: 04/29/24 12:20

Matrix: Water

Date Received: 04/30/24 16:27

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			05/09/24 00:10	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/09/24 00:10	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/09/24 00:10	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/09/24 00:10	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/09/24 00:10	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/09/24 00:10	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/09/24 00:10	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/09/24 00:10	1
1,2-Dichloropropane	ND	^c cn	0.50	0.10	ug/L			05/09/24 00:10	1
2-Butanone (MEK)	ND	^c cn	5.0	1.0	ug/L			05/09/24 00:10	1
2-Hexanone	ND	^c cn	5.0	2.0	ug/L			05/09/24 00:10	1
4-Methyl-2-pentanone (MIBK)	ND	^c cn	5.0	1.0	ug/L			05/09/24 00:10	1
Acetone	**2.6**	**J**	5.0	1.5	ug/L			05/09/24 00:10	1
Benzene	ND		0.50	0.10	ug/L			05/09/24 00:10	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/09/24 00:10	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/09/24 00:10	1
Bromoform	ND		1.0	0.30	ug/L			05/09/24 00:10	1
Bromomethane	ND		0.50	0.10	ug/L			05/09/24 00:10	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/09/24 00:10	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/09/24 00:10	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/09/24 00:10	1
Chloroethane	ND		0.50	0.10	ug/L			05/09/24 00:10	1
Chloroform	**0.096**	**J**	0.50	0.090	ug/L			05/09/24 00:10	1
Chloromethane	ND		0.50	0.10	ug/L			05/09/24 00:10	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/09/24 00:10	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/09/24 00:10	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/09/24 00:10	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/09/24 00:10	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/09/24 00:10	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/09/24 00:10	1
Styrene	ND		0.50	0.070	ug/L			05/09/24 00:10	1
Tetrachloroethene	**0.32**	**J**	0.50	0.20	ug/L			05/09/24 00:10	1
Toluene	ND		0.50	0.080	ug/L			05/09/24 00:10	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/09/24 00:10	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/09/24 00:10	1
Trichloroethene	ND		0.50	0.080	ug/L			05/09/24 00:10	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/09/24 00:10	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/09/24 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 120*		*05/09/24 00:10*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*05/09/24 00:10*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*05/09/24 00:10*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/09/24 00:10*	*1*

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

Lab Sample ID: 410-169938-5

Date Collected: 04/29/24 09:32

Matrix: Water

Date Received: 04/30/24 16:27

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			05/09/24 00:30	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/09/24 00:30	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/09/24 00:30	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/09/24 00:30	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/09/24 00:30	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/09/24 00:30	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/09/24 00:30	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/09/24 00:30	1
1,2-Dichloropropane	ND	^c cn	0.50	0.10	ug/L			05/09/24 00:30	1
2-Butanone (MEK)	ND	^c cn	5.0	1.0	ug/L			05/09/24 00:30	1
2-Hexanone	ND	^c cn	5.0	2.0	ug/L			05/09/24 00:30	1
4-Methyl-2-pentanone (MIBK)	ND	^c cn	5.0	1.0	ug/L			05/09/24 00:30	1
Acetone	**2.9**	**J**	5.0	1.5	ug/L			05/09/24 00:30	1
Benzene	ND		0.50	0.10	ug/L			05/09/24 00:30	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/09/24 00:30	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/09/24 00:30	1
Bromoform	ND		1.0	0.30	ug/L			05/09/24 00:30	1
Bromomethane	ND		0.50	0.10	ug/L			05/09/24 00:30	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/09/24 00:30	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/09/24 00:30	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/09/24 00:30	1
Chloroethane	ND		0.50	0.10	ug/L			05/09/24 00:30	1
Chloroform	ND		0.50	0.090	ug/L			05/09/24 00:30	1
Chloromethane	**0.11**	**J**	0.50	0.10	ug/L			05/09/24 00:30	1
cis-1,2-Dichloroethene	**0.11**	**J**	0.50	0.080	ug/L			05/09/24 00:30	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/09/24 00:30	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/09/24 00:30	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/09/24 00:30	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/09/24 00:30	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/09/24 00:30	1
Styrene	ND		0.50	0.070	ug/L			05/09/24 00:30	1
Tetrachloroethene	**1.2**		0.50	0.20	ug/L			05/09/24 00:30	1
Toluene	ND		0.50	0.080	ug/L			05/09/24 00:30	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/09/24 00:30	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/09/24 00:30	1
Trichloroethene	**0.15**	**J**	0.50	0.080	ug/L			05/09/24 00:30	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/09/24 00:30	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/09/24 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*05/09/24 00:30*	*1*
4-Bromofluorobenzene (Surr)	*87*		*80 - 120*		*05/09/24 00:30*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/09/24 00:30*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/09/24 00:30*	*1*

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

Lab Sample ID: 410-169938-6

Date Collected: 04/29/24 11:20

Matrix: Water

Date Received: 04/30/24 16:27

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			05/09/24 21:53	1
1,1,1-Trichloroethane	**0.30**	**J**	0.50	0.080	ug/L			05/09/24 21:53	1
1,1,2,2-Tetrachloroethane	ND	FH *+	0.50	0.10	ug/L			05/09/24 21:53	1
1,1,2-Trichloroethane	ND	FH	0.50	0.080	ug/L			05/09/24 21:53	1
1,1-Dichloroethane	**0.13**	**J FH**	0.50	0.10	ug/L			05/09/24 21:53	1
1,1-Dichloroethene	**0.19**	**J FH**	0.50	0.10	ug/L			05/09/24 21:53	1
1,2-Dibromoethane (EDB)	ND	FH	0.50	0.080	ug/L			05/09/24 21:53	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/09/24 21:53	1
1,2-Dichloropropane	ND	FH	0.50	0.10	ug/L			05/09/24 21:53	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/09/24 21:53	1
2-Hexanone	ND		5.0	2.0	ug/L			05/09/24 21:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/09/24 21:53	1
Acetone	ND		5.0	1.5	ug/L			05/09/24 21:53	1
Benzene	ND	FH	0.50	0.10	ug/L			05/09/24 21:53	1
Bromochloromethane	ND	FH	0.50	0.080	ug/L			05/09/24 21:53	1
Bromodichloromethane	ND	FH	0.50	0.080	ug/L			05/09/24 21:53	1
Bromoform	ND		1.0	0.30	ug/L			05/09/24 21:53	1
Bromomethane	ND		0.50	0.10	ug/L			05/09/24 21:53	1
Carbon disulfide	ND	FH	1.0	0.10	ug/L			05/09/24 21:53	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/09/24 21:53	1
Chlorobenzene	ND	FH	0.50	0.070	ug/L			05/09/24 21:53	1
Chloroethane	ND	FH	0.50	0.10	ug/L			05/09/24 21:53	1
Chloroform	**0.21**	**J FH**	0.50	0.090	ug/L			05/09/24 21:53	1
Chloromethane	**0.13**	**J**	0.50	0.10	ug/L			05/09/24 21:53	1
cis-1,2-Dichloroethene	**0.97**	**FH**	0.50	0.080	ug/L			05/09/24 21:53	1
cis-1,3-Dichloropropene	ND	FH	0.50	0.10	ug/L			05/09/24 21:53	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/09/24 21:53	1
Ethylbenzene	ND	FH	0.50	0.080	ug/L			05/09/24 21:53	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/09/24 21:53	1
Methylene Chloride	ND	FH	0.50	0.20	ug/L			05/09/24 21:53	1
Styrene	ND	FH	0.50	0.070	ug/L			05/09/24 21:53	1
Tetrachloroethene	**5.3**	**FH**	0.50	0.20	ug/L			05/09/24 21:53	1
Toluene	ND	FH	0.50	0.080	ug/L			05/09/24 21:53	1
trans-1,2-Dichloroethene	ND	FH	0.50	0.10	ug/L			05/09/24 21:53	1
trans-1,3-Dichloropropene	ND	FH	0.50	0.080	ug/L			05/09/24 21:53	1
Trichloroethene	**1.1**	**FH**	0.50	0.080	ug/L			05/09/24 21:53	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/09/24 21:53	1
Xylenes, Total	ND	FH	1.0	0.070	ug/L			05/09/24 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/09/24 21:53*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/09/24 21:53*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/09/24 21:53*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/09/24 21:53*	*1*

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

Lab Sample ID: 410-169938-7

Date Collected: 04/29/24 09:55

Matrix: Water

Date Received: 04/30/24 16:27

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			05/10/24 00:09	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/10/24 00:09	1
1,1,2,2-Tetrachloroethane	ND	*+	0.50	0.10	ug/L			05/10/24 00:09	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/10/24 00:09	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/10/24 00:09	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/10/24 00:09	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/10/24 00:09	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/10/24 00:09	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/10/24 00:09	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/10/24 00:09	1
2-Hexanone	ND		5.0	2.0	ug/L			05/10/24 00:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/10/24 00:09	1
Acetone	**1.6**	**J**	5.0	1.5	ug/L			05/10/24 00:09	1
Benzene	ND		0.50	0.10	ug/L			05/10/24 00:09	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/10/24 00:09	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/10/24 00:09	1
Bromoform	ND		1.0	0.30	ug/L			05/10/24 00:09	1
Bromomethane	ND		0.50	0.10	ug/L			05/10/24 00:09	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/10/24 00:09	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/10/24 00:09	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/10/24 00:09	1
Chloroethane	ND		0.50	0.10	ug/L			05/10/24 00:09	1
Chloroform	ND		0.50	0.090	ug/L			05/10/24 00:09	1
Chloromethane	ND		0.50	0.10	ug/L			05/10/24 00:09	1
cis-1,2-Dichloroethene	**0.13**	**J**	0.50	0.080	ug/L			05/10/24 00:09	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/10/24 00:09	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/10/24 00:09	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/10/24 00:09	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/10/24 00:09	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/10/24 00:09	1
Styrene	ND		0.50	0.070	ug/L			05/10/24 00:09	1
Tetrachloroethene	**1.5**		0.50	0.20	ug/L			05/10/24 00:09	1
Toluene	ND		0.50	0.080	ug/L			05/10/24 00:09	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/10/24 00:09	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/10/24 00:09	1
Trichloroethene	**0.14**	**J**	0.50	0.080	ug/L			05/10/24 00:09	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/10/24 00:09	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/10/24 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/10/24 00:09*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/10/24 00:09*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*05/10/24 00:09*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/10/24 00:09*	*1*

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

Lab Sample ID: 410-169938-8

Date Collected: 04/29/24 10:05

Matrix: Water

Date Received: 04/30/24 16:27

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			05/10/24 03:27	1
1,1,1-Trichloroethane	**9.2**		0.50	0.080	ug/L			05/10/24 03:27	1
1,1,2,2-Tetrachloroethane	ND	*+	0.50	0.10	ug/L			05/10/24 03:27	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/10/24 03:27	1
1,1-Dichloroethane	**1.8**		0.50	0.10	ug/L			05/10/24 03:27	1
1,1-Dichloroethene	**0.73**		0.50	0.10	ug/L			05/10/24 03:27	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/10/24 03:27	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/10/24 03:27	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/10/24 03:27	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/10/24 03:27	1
2-Hexanone	ND		5.0	2.0	ug/L			05/10/24 03:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/10/24 03:27	1
Acetone	ND		5.0	1.5	ug/L			05/10/24 03:27	1
Benzene	ND		0.50	0.10	ug/L			05/10/24 03:27	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/10/24 03:27	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/10/24 03:27	1
Bromoform	ND		1.0	0.30	ug/L			05/10/24 03:27	1
Bromomethane	ND		0.50	0.10	ug/L			05/10/24 03:27	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/10/24 03:27	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/10/24 03:27	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/10/24 03:27	1
Chloroethane	ND		0.50	0.10	ug/L			05/10/24 03:27	1
Chloroform	**0.20**	**J**	0.50	0.090	ug/L			05/10/24 03:27	1
Chloromethane	ND		0.50	0.10	ug/L			05/10/24 03:27	1
cis-1,2-Dichloroethene	**3.2**		0.50	0.080	ug/L			05/10/24 03:27	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/10/24 03:27	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/10/24 03:27	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/10/24 03:27	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/10/24 03:27	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/10/24 03:27	1
Styrene	ND		0.50	0.070	ug/L			05/10/24 03:27	1
Toluene	ND		0.50	0.080	ug/L			05/10/24 03:27	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/10/24 03:27	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/10/24 03:27	1
Trichloroethene	**4.1**		0.50	0.080	ug/L			05/10/24 03:27	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/10/24 03:27	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/10/24 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*05/10/24 03:27*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*05/10/24 03:27*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/10/24 03:27*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/10/24 03:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**100**		5.0	2.0	ug/L			05/10/24 03:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/10/24 03:49*	*10*

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

Lab Sample ID: 410-169938-8

Date Collected: 04/29/24 10:05

Matrix: Water

Date Received: 04/30/24 16:27

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/10/24 03:49*	*10*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/10/24 03:49*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/10/24 03:49*	*10*

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

Lab Sample ID: 410-169938-9

Date Collected: 04/29/24 10:40

Matrix: Water

Date Received: 04/30/24 16:27

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			05/10/24 00:31	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/10/24 00:31	1
1,1,2,2-Tetrachloroethane	ND	*+	0.50	0.10	ug/L			05/10/24 00:31	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/10/24 00:31	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/10/24 00:31	1
1,1-Dichloroethene	**0.12**	**J**	0.50	0.10	ug/L			05/10/24 00:31	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/10/24 00:31	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/10/24 00:31	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/10/24 00:31	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/10/24 00:31	1
2-Hexanone	ND		5.0	2.0	ug/L			05/10/24 00:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/10/24 00:31	1
Acetone	**1.5**	**J**	5.0	1.5	ug/L			05/10/24 00:31	1
Benzene	ND		0.50	0.10	ug/L			05/10/24 00:31	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/10/24 00:31	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/10/24 00:31	1
Bromoform	ND		1.0	0.30	ug/L			05/10/24 00:31	1
Bromomethane	ND		0.50	0.10	ug/L			05/10/24 00:31	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/10/24 00:31	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/10/24 00:31	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/10/24 00:31	1
Chloroethane	ND		0.50	0.10	ug/L			05/10/24 00:31	1
Chloroform	**0.48**	**J**	0.50	0.090	ug/L			05/10/24 00:31	1
Chloromethane	ND		0.50	0.10	ug/L			05/10/24 00:31	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/10/24 00:31	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/10/24 00:31	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/10/24 00:31	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/10/24 00:31	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/10/24 00:31	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/10/24 00:31	1
Styrene	ND		0.50	0.070	ug/L			05/10/24 00:31	1
Tetrachloroethene	**3.5**		0.50	0.20	ug/L			05/10/24 00:31	1
Toluene	ND		0.50	0.080	ug/L			05/10/24 00:31	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/10/24 00:31	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/10/24 00:31	1
Trichloroethene	**0.16**	**J**	0.50	0.080	ug/L			05/10/24 00:31	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/10/24 00:31	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/10/24 00:31	1

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

Lab Sample ID: 410-169938-9

Date Collected: 04/29/24 10:40

Matrix: Water

Date Received: 04/30/24 16:27

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*05/10/24 00:31*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*05/10/24 00:31*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/10/24 00:31*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/10/24 00:31*	*1*

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

Lab Sample ID: 410-169938-10

Date Collected: 04/29/24 11:10

Matrix: Water

Date Received: 04/30/24 16:27

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			05/10/24 00:53	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/10/24 00:53	1
1,1,2,2-Tetrachloroethane	ND	*+	0.50	0.10	ug/L			05/10/24 00:53	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/10/24 00:53	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/10/24 00:53	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/10/24 00:53	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/10/24 00:53	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/10/24 00:53	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/10/24 00:53	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/10/24 00:53	1
2-Hexanone	ND		5.0	2.0	ug/L			05/10/24 00:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/10/24 00:53	1
Acetone	**3.0**	**J**	5.0	1.5	ug/L			05/10/24 00:53	1
Benzene	ND		0.50	0.10	ug/L			05/10/24 00:53	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/10/24 00:53	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/10/24 00:53	1
Bromoform	ND		1.0	0.30	ug/L			05/10/24 00:53	1
Bromomethane	ND		0.50	0.10	ug/L			05/10/24 00:53	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/10/24 00:53	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/10/24 00:53	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/10/24 00:53	1
Chloroethane	ND		0.50	0.10	ug/L			05/10/24 00:53	1
Chloroform	ND		0.50	0.090	ug/L			05/10/24 00:53	1
Chloromethane	**0.11**	**J**	0.50	0.10	ug/L			05/10/24 00:53	1
cis-1,2-Dichloroethene	**0.13**	**J**	0.50	0.080	ug/L			05/10/24 00:53	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/10/24 00:53	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/10/24 00:53	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/10/24 00:53	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/10/24 00:53	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/10/24 00:53	1
Styrene	ND		0.50	0.070	ug/L			05/10/24 00:53	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/10/24 00:53	1
Toluene	ND		0.50	0.080	ug/L			05/10/24 00:53	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/10/24 00:53	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/10/24 00:53	1
Trichloroethene	**0.12**	**J**	0.50	0.080	ug/L			05/10/24 00:53	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/10/24 00:53	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/10/24 00:53	1

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

Lab Sample ID: 410-169938-10

Date Collected: 04/29/24 11:10

Matrix: Water

Date Received: 04/30/24 16:27

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/10/24 00:53*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/10/24 00:53*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/10/24 00:53*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/10/24 00:53*	*1*

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

Lab Sample ID: 410-169938-11

Date Collected: 04/29/24 12:30

Matrix: Water

Date Received: 04/30/24 16:27

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			05/10/24 01:15	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/10/24 01:15	1
1,1,2,2-Tetrachloroethane	ND	*+	0.50	0.10	ug/L			05/10/24 01:15	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/10/24 01:15	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/10/24 01:15	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/10/24 01:15	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/10/24 01:15	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/10/24 01:15	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/10/24 01:15	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/10/24 01:15	1
2-Hexanone	ND		5.0	2.0	ug/L			05/10/24 01:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/10/24 01:15	1
Acetone	**2.3**	**J**	5.0	1.5	ug/L			05/10/24 01:15	1
Benzene	ND		0.50	0.10	ug/L			05/10/24 01:15	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/10/24 01:15	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/10/24 01:15	1
Bromoform	ND		1.0	0.30	ug/L			05/10/24 01:15	1
Bromomethane	ND		0.50	0.10	ug/L			05/10/24 01:15	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/10/24 01:15	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/10/24 01:15	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/10/24 01:15	1
Chloroethane	ND		0.50	0.10	ug/L			05/10/24 01:15	1
Chloroform	**0.098**	**J**	0.50	0.090	ug/L			05/10/24 01:15	1
Chloromethane	ND		0.50	0.10	ug/L			05/10/24 01:15	1
cis-1,2-Dichloroethene	**0.094**	**J**	0.50	0.080	ug/L			05/10/24 01:15	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/10/24 01:15	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/10/24 01:15	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/10/24 01:15	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/10/24 01:15	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/10/24 01:15	1
Styrene	ND		0.50	0.070	ug/L			05/10/24 01:15	1
Tetrachloroethene	**0.33**	**J**	0.50	0.20	ug/L			05/10/24 01:15	1
Toluene	ND		0.50	0.080	ug/L			05/10/24 01:15	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/10/24 01:15	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/10/24 01:15	1
Trichloroethene	**0.12**	**J**	0.50	0.080	ug/L			05/10/24 01:15	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/10/24 01:15	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/10/24 01:15	1

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

Lab Sample ID: 410-169938-11

Date Collected: 04/29/24 12:30

Matrix: Water

Date Received: 04/30/24 16:27

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/10/24 01:15*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/10/24 01:15*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/10/24 01:15*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/10/24 01:15*	*1*

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

Lab Sample ID: 410-169938-12

Date Collected: 04/29/24 09:00

Matrix: Water

Date Received: 04/30/24 16:27

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			05/10/24 01:37	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/10/24 01:37	1
1,1,2,2-Tetrachloroethane	ND	*+	0.50	0.10	ug/L			05/10/24 01:37	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/10/24 01:37	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/10/24 01:37	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/10/24 01:37	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/10/24 01:37	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/10/24 01:37	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/10/24 01:37	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/10/24 01:37	1
2-Hexanone	ND		5.0	2.0	ug/L			05/10/24 01:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/10/24 01:37	1
Acetone	**1.8**	**J**	5.0	1.5	ug/L			05/10/24 01:37	1
Benzene	ND		0.50	0.10	ug/L			05/10/24 01:37	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/10/24 01:37	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/10/24 01:37	1
Bromoform	ND		1.0	0.30	ug/L			05/10/24 01:37	1
Bromomethane	ND		0.50	0.10	ug/L			05/10/24 01:37	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/10/24 01:37	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/10/24 01:37	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/10/24 01:37	1
Chloroethane	ND		0.50	0.10	ug/L			05/10/24 01:37	1
Chloroform	ND		0.50	0.090	ug/L			05/10/24 01:37	1
Chloromethane	ND		0.50	0.10	ug/L			05/10/24 01:37	1
cis-1,2-Dichloroethene	**0.18**	**J**	0.50	0.080	ug/L			05/10/24 01:37	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/10/24 01:37	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/10/24 01:37	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/10/24 01:37	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/10/24 01:37	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/10/24 01:37	1
Styrene	ND		0.50	0.070	ug/L			05/10/24 01:37	1
Tetrachloroethene	**0.47**	**J**	0.50	0.20	ug/L			05/10/24 01:37	1
Toluene	ND		0.50	0.080	ug/L			05/10/24 01:37	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/10/24 01:37	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/10/24 01:37	1
Trichloroethene	**0.14**	**J**	0.50	0.080	ug/L			05/10/24 01:37	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/10/24 01:37	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/10/24 01:37	1

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

Lab Sample ID: 410-169938-12

Date Collected: 04/29/24 09:00

Matrix: Water

Date Received: 04/30/24 16:27

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/10/24 01:37*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/10/24 01:37*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/10/24 01:37*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/10/24 01:37*	*1*

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

Lab Sample ID: 410-169938-13

Date Collected: 04/29/24 12:00

Matrix: Water

Date Received: 04/30/24 16:27

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			05/10/24 04:11	1
1,1,1-Trichloroethane	**9.4**		0.50	0.080	ug/L			05/10/24 04:11	1
1,1,2,2-Tetrachloroethane	ND	*+	0.50	0.10	ug/L			05/10/24 04:11	1
1,1,2-Trichloroethane	**2.0**		0.50	0.080	ug/L			05/10/24 04:11	1
1,1-Dichloroethane	**1.8**		0.50	0.10	ug/L			05/10/24 04:11	1
1,1-Dichloroethene	**0.82**		0.50	0.10	ug/L			05/10/24 04:11	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/10/24 04:11	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/10/24 04:11	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/10/24 04:11	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/10/24 04:11	1
2-Hexanone	ND		5.0	2.0	ug/L			05/10/24 04:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/10/24 04:11	1
Acetone	ND		5.0	1.5	ug/L			05/10/24 04:11	1
Benzene	ND		0.50	0.10	ug/L			05/10/24 04:11	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/10/24 04:11	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/10/24 04:11	1
Bromoform	ND		1.0	0.30	ug/L			05/10/24 04:11	1
Bromomethane	ND		0.50	0.10	ug/L			05/10/24 04:11	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/10/24 04:11	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/10/24 04:11	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/10/24 04:11	1
Chloroethane	ND		0.50	0.10	ug/L			05/10/24 04:11	1
Chloroform	**0.21**	**J**	0.50	0.090	ug/L			05/10/24 04:11	1
Chloromethane	ND		0.50	0.10	ug/L			05/10/24 04:11	1
cis-1,2-Dichloroethene	**3.1**		0.50	0.080	ug/L			05/10/24 04:11	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/10/24 04:11	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/10/24 04:11	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/10/24 04:11	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/10/24 04:11	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/10/24 04:11	1
Styrene	ND		0.50	0.070	ug/L			05/10/24 04:11	1
Toluene	ND		0.50	0.080	ug/L			05/10/24 04:11	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/10/24 04:11	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/10/24 04:11	1
Trichloroethene	**4.2**		0.50	0.080	ug/L			05/10/24 04:11	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/10/24 04:11	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/10/24 04:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*05/10/24 04:11*	*1*

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

Lab Sample ID: 410-169938-13

Date Collected: 04/29/24 12:00

Matrix: Water

Date Received: 04/30/24 16:27

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*05/10/24 04:11*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/10/24 04:11*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/10/24 04:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**100**		5.0	2.0	ug/L			05/10/24 04:33	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/10/24 04:33*	*10*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/10/24 04:33*	*10*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/10/24 04:33*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/10/24 04:33*	*10*

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

Lab Sample ID: 410-169938-14

Date Collected: 04/29/24 00:00

Matrix: Water

Date Received: 04/30/24 16:27

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			05/09/24 19:40	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/09/24 19:40	1
1,1,2,2-Tetrachloroethane	ND	*+	0.50	0.10	ug/L			05/09/24 19:40	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/09/24 19:40	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/09/24 19:40	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/09/24 19:40	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/09/24 19:40	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/09/24 19:40	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/09/24 19:40	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/09/24 19:40	1
2-Hexanone	ND		5.0	2.0	ug/L			05/09/24 19:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/09/24 19:40	1
Acetone	ND		5.0	1.5	ug/L			05/09/24 19:40	1
Benzene	ND		0.50	0.10	ug/L			05/09/24 19:40	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/09/24 19:40	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/09/24 19:40	1
Bromoform	ND		1.0	0.30	ug/L			05/09/24 19:40	1
Bromomethane	ND		0.50	0.10	ug/L			05/09/24 19:40	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/09/24 19:40	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/09/24 19:40	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/09/24 19:40	1
Chloroethane	ND		0.50	0.10	ug/L			05/09/24 19:40	1
Chloroform	ND		0.50	0.090	ug/L			05/09/24 19:40	1
Chloromethane	ND		0.50	0.10	ug/L			05/09/24 19:40	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/09/24 19:40	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/09/24 19:40	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/09/24 19:40	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/09/24 19:40	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/09/24 19:40	1
Methylene Chloride	**0.26**	**J**	0.50	0.20	ug/L			05/09/24 19:40	1

Client: Groundwater Sciences Corporation
Job ID: 410-169938-1
Project/Site: fYNOP Monthly Surface Water

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-169938-14
Date Collected: 04/29/24 00:00
Matrix: Water
Date Received: 04/30/24 16:27

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			05/09/24 19:40	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/09/24 19:40	1
Toluene	ND		0.50	0.080	ug/L			05/09/24 19:40	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/09/24 19:40	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/09/24 19:40	1
Trichloroethene	ND		0.50	0.080	ug/L			05/09/24 19:40	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/09/24 19:40	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/09/24 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/09/24 19:40*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/09/24 19:40*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*05/09/24 19:40*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/09/24 19:40*	*1*

Default Detection Limits

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

Job ID: 410-169938-1

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: 410-169938-1

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)
410-169938-1	HD-COD-SW-6-0/1-0	112	89	97	104
410-169938-2	HD-COD-SW-7-0/1-0	111	89	98	97
410-169938-3	HD-COD-SW-8-0/1-0	111	89	99	100
410-169938-4	HD-COD-SW-9-0/1-0	112	89	101	98
410-169938-5	HD-COD-SW-13-0/1-0	107	87	98	107
410-169938-6	HD-COD-SW-15-0/1-0	103	98	97	102
410-169938-6 MS	HD-COD-SW-15-0/1-0 MS	101	103	97	105
410-169938-6 MSD	HD-COD-SW-15-0/1-0 MSD	101	102	96	104
410-169938-7	HD-COD-SW-16-0/1-0	102	97	96	103
410-169938-8	HD-COD-SW-17-0/1-0	105	95	99	99
410-169938-8 - DL	HD-COD-SW-17-0/1-0	103	97	98	102
410-169938-9	HD-COD-SW-26-0/1-0	105	96	97	102
410-169938-10	HD-COD-SW-27-0/1-0	102	97	97	103
410-169938-11	HD-COD-SW-28-0/1-0	103	98	97	103
410-169938-12	HD-COD-SW-29-0/1-0	101	97	97	103
410-169938-13	HD-QC1-0/1-1	104	95	98	99
410-169938-13 - DL	HD-QC1-0/1-1	103	97	98	102
410-169938-14	HD-QC1-0/1-2	102	97	96	102
LCS 410-503852/7	Lab Control Sample	106	99	93	103
LCS 410-504341/4	Lab Control Sample	100	101	96	104
MB 410-503852/6	Method Blank	102	89	93	100
MB 410-504341/6	Method Blank	101	95	96	102

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 410-503852/6
Matrix: Water
Analysis Batch: 503852

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			05/08/24 21:45	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/08/24 21:45	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/08/24 21:45	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/08/24 21:45	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/08/24 21:45	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/08/24 21:45	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/08/24 21:45	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/08/24 21:45	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/08/24 21:45	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/08/24 21:45	1
2-Hexanone	ND		5.0	2.0	ug/L			05/08/24 21:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/08/24 21:45	1
Acetone	ND		5.0	1.5	ug/L			05/08/24 21:45	1
Benzene	ND		0.50	0.10	ug/L			05/08/24 21:45	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/08/24 21:45	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/08/24 21:45	1
Bromoform	ND		1.0	0.30	ug/L			05/08/24 21:45	1
Bromomethane	ND		0.50	0.10	ug/L			05/08/24 21:45	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/08/24 21:45	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/08/24 21:45	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/08/24 21:45	1
Chloroethane	ND		0.50	0.10	ug/L			05/08/24 21:45	1
Chloroform	ND		0.50	0.090	ug/L			05/08/24 21:45	1
Chloromethane	ND		0.50	0.10	ug/L			05/08/24 21:45	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/08/24 21:45	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/08/24 21:45	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/08/24 21:45	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/08/24 21:45	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/08/24 21:45	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/08/24 21:45	1
Styrene	ND		0.50	0.070	ug/L			05/08/24 21:45	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/08/24 21:45	1
Toluene	ND		0.50	0.080	ug/L			05/08/24 21:45	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/08/24 21:45	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/08/24 21:45	1
Trichloroethene	ND		0.50	0.080	ug/L			05/08/24 21:45	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/08/24 21:45	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/08/24 21:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/08/24 21:45*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*05/08/24 21:45*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*05/08/24 21:45*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/08/24 21:45*	*1*

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

Lab Sample ID: LCS 410-503852/7
Matrix: Water
Analysis Batch: 503852

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	4.86		ug/L		97	71 - 134
1,1,1-Trichloroethane	5.00	4.35		ug/L		87	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.19		ug/L		104	75 - 123
1,1,2-Trichloroethane	5.00	5.62		ug/L		112	80 - 120
1,1-Dichloroethane	5.00	5.33		ug/L		107	74 - 120
1,1-Dichloroethene	5.00	4.44		ug/L		89	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.33		ug/L		107	80 - 120
1,2-Dichloroethane	5.00	4.70		ug/L		94	69 - 122
1,2-Dichloropropane	5.00	5.78		ug/L		116	80 - 120
2-Butanone (MEK)	62.5	84.4		ug/L		135	59 - 141
2-Hexanone	62.5	70.3		ug/L		112	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	69.0		ug/L		110	55 - 140
Acetone	62.5	61.8		ug/L		99	60 - 146
Benzene	5.00	5.28		ug/L		106	80 - 120
Bromochloromethane	5.00	5.38		ug/L		108	80 - 120
Bromodichloromethane	5.00	5.21		ug/L		104	73 - 124
Bromoform	5.00	4.89		ug/L		98	49 - 144
Bromomethane	5.00	3.90		ug/L		78	60 - 136
Carbon disulfide	5.00	4.58		ug/L		92	67 - 130
Carbon tetrachloride	5.00	4.77		ug/L		95	64 - 141
Chlorobenzene	5.00	5.26		ug/L		105	80 - 120
Chloroethane	5.00	4.40		ug/L		88	63 - 120
Chloroform	5.00	4.97		ug/L		99	80 - 120
Chloromethane	5.00	3.32		ug/L		66	56 - 124
cis-1,2-Dichloroethene	5.00	5.01		ug/L		100	80 - 122
cis-1,3-Dichloropropene	5.00	4.89		ug/L		98	67 - 121
Dibromochloromethane	5.00	5.17		ug/L		103	64 - 138
Ethylbenzene	5.00	4.87		ug/L		97	80 - 120
Methyl tert-butyl ether	5.00	4.47		ug/L		89	69 - 120
Methylene Chloride	5.00	4.90		ug/L		98	80 - 120
Styrene	5.00	5.01		ug/L		100	80 - 120
Tetrachloroethene	5.00	4.91		ug/L		98	80 - 120
Toluene	5.00	5.16		ug/L		103	80 - 120
trans-1,2-Dichloroethene	5.00	4.73		ug/L		95	80 - 122
trans-1,3-Dichloropropene	5.00	5.12		ug/L		102	61 - 129
Trichloroethene	5.00	4.65		ug/L		93	80 - 120
Vinyl chloride	5.00	3.36		ug/L		67	60 - 125
Xylenes, Total	15.0	14.8		ug/L		99	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: MB 410-504341/6
Matrix: Water
Analysis Batch: 504341

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			05/09/24 19:18	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/09/24 19:18	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/09/24 19:18	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/09/24 19:18	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/09/24 19:18	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/09/24 19:18	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/09/24 19:18	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/09/24 19:18	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/09/24 19:18	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/09/24 19:18	1
2-Hexanone	ND		5.0	2.0	ug/L			05/09/24 19:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/09/24 19:18	1
Acetone	ND		5.0	1.5	ug/L			05/09/24 19:18	1
Benzene	ND		0.50	0.10	ug/L			05/09/24 19:18	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/09/24 19:18	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/09/24 19:18	1
Bromoform	ND		1.0	0.30	ug/L			05/09/24 19:18	1
Bromomethane	ND		0.50	0.10	ug/L			05/09/24 19:18	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/09/24 19:18	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/09/24 19:18	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/09/24 19:18	1
Chloroethane	ND		0.50	0.10	ug/L			05/09/24 19:18	1
Chloroform	ND		0.50	0.090	ug/L			05/09/24 19:18	1
Chloromethane	ND		0.50	0.10	ug/L			05/09/24 19:18	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/09/24 19:18	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/09/24 19:18	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/09/24 19:18	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/09/24 19:18	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/09/24 19:18	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/09/24 19:18	1
Styrene	ND		0.50	0.070	ug/L			05/09/24 19:18	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/09/24 19:18	1
Toluene	ND		0.50	0.080	ug/L			05/09/24 19:18	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/09/24 19:18	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/09/24 19:18	1
Trichloroethene	ND		0.50	0.080	ug/L			05/09/24 19:18	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/09/24 19:18	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/09/24 19:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/09/24 19:18*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*05/09/24 19:18*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*05/09/24 19:18*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/09/24 19:18*	*1*

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

Lab Sample ID: LCS 410-504341/4
Matrix: Water
Analysis Batch: 504341

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	5.34		ug/L		107	71 - 134
1,1,1-Trichloroethane	5.00	5.25		ug/L		105	78 - 126
1,1,2,2-Tetrachloroethane	5.00	6.19	*+	ug/L		124	75 - 123
1,1,2-Trichloroethane	5.00	5.92		ug/L		118	80 - 120
1,1-Dichloroethane	5.00	5.77		ug/L		115	74 - 120
1,1-Dichloroethene	5.00	5.40		ug/L		108	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.78		ug/L		116	80 - 120
1,2-Dichloroethane	5.00	5.20		ug/L		104	69 - 122
1,2-Dichloropropane	5.00	6.01		ug/L		120	80 - 120
2-Butanone (MEK)	62.5	78.3		ug/L		125	59 - 141
2-Hexanone	62.5	84.6		ug/L		135	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	79.0		ug/L		126	55 - 140
Acetone	62.5	67.1		ug/L		107	60 - 146
Benzene	5.00	5.66		ug/L		113	80 - 120
Bromochloromethane	5.00	5.46		ug/L		109	80 - 120
Bromodichloromethane	5.00	5.48		ug/L		110	73 - 124
Bromoform	5.00	5.17		ug/L		103	49 - 144
Bromomethane	5.00	4.26		ug/L		85	60 - 136
Carbon disulfide	5.00	5.32		ug/L		106	67 - 130
Carbon tetrachloride	5.00	5.17		ug/L		103	64 - 141
Chlorobenzene	5.00	5.48		ug/L		110	80 - 120
Chloroethane	5.00	5.05		ug/L		101	63 - 120
Chloroform	5.00	5.35		ug/L		107	80 - 120
Chloromethane	5.00	4.59		ug/L		92	56 - 124
cis-1,2-Dichloroethene	5.00	5.33		ug/L		107	80 - 122
cis-1,3-Dichloropropene	5.00	5.32		ug/L		106	67 - 121
Dibromochloromethane	5.00	5.35		ug/L		107	64 - 138
Ethylbenzene	5.00	5.51		ug/L		110	80 - 120
Methyl tert-butyl ether	5.00	5.16		ug/L		103	69 - 120
Methylene Chloride	5.00	5.70		ug/L		114	80 - 120
Styrene	5.00	5.41		ug/L		108	80 - 120
Tetrachloroethene	5.00	5.13		ug/L		103	80 - 120
Toluene	5.00	5.58		ug/L		112	80 - 120
trans-1,2-Dichloroethene	5.00	5.28		ug/L		106	80 - 122
trans-1,3-Dichloropropene	5.00	5.87		ug/L		117	61 - 129
Trichloroethene	5.00	5.35		ug/L		107	80 - 120
Vinyl chloride	5.00	4.62		ug/L		92	60 - 125
Xylenes, Total	15.0	15.8		ug/L		106	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

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

Lab Sample ID: 410-169938-6 MS
Matrix: Water
Analysis Batch: 504341

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	6.09		ug/L		122	71 - 134
1,1,1-Trichloroethane	0.30	J	5.00	6.63		ug/L		126	78 - 126
1,1,2,2-Tetrachloroethane	ND	FH *+	5.00	6.65	FH	ug/L		133	75 - 123
1,1,2-Trichloroethane	ND	FH	5.00	6.56	FH	ug/L		131	80 - 120
1,1-Dichloroethane	0.13	J FH	5.00	6.92	FH	ug/L		136	74 - 120
1,1-Dichloroethene	0.19	J FH	5.00	6.89	FH	ug/L		134	80 - 131
1,2-Dibromoethane (EDB)	ND	FH	5.00	6.34	FH	ug/L		127	80 - 120
1,2-Dichloroethane	ND		5.00	6.09		ug/L		122	69 - 122
1,2-Dichloropropane	ND	FH	5.00	6.93	FH	ug/L		138	80 - 120
2-Butanone (MEK)	ND		62.6	76.8		ug/L		123	59 - 141
2-Hexanone	ND		62.6	83.7		ug/L		134	52 - 140
4-Methyl-2-pentanone (MIBK)	ND		62.6	78.0		ug/L		125	55 - 140
Acetone	ND		62.6	65.7		ug/L		105	60 - 146
Benzene	ND	FH	5.00	6.62	FH	ug/L		132	80 - 120
Bromochloromethane	ND	FH	5.00	6.15	FH	ug/L		123	80 - 120
Bromodichloromethane	ND	FH	5.00	6.27	FH	ug/L		125	73 - 124
Bromoform	ND		5.00	5.66		ug/L		113	49 - 144
Bromomethane	ND		5.00	5.22		ug/L		104	60 - 136
Carbon disulfide	ND	FH	5.00	6.67	FH	ug/L		133	67 - 130
Carbon tetrachloride	ND		5.00	6.34		ug/L		127	64 - 141
Chlorobenzene	ND	FH	5.00	6.35	FH	ug/L		127	80 - 120
Chloroethane	ND	FH	5.00	6.28	FH	ug/L		125	63 - 120
Chloroform	0.21	J FH	5.00	6.40	FH	ug/L		124	80 - 120
Chloromethane	0.13	J	5.00	5.95		ug/L		116	80 - 120
cis-1,2-Dichloroethene	0.97	FH	5.00	7.25	FH	ug/L		126	80 - 122
cis-1,3-Dichloropropene	ND	FH	5.00	6.17	FH	ug/L		123	67 - 121
Dibromochloromethane	ND		5.00	6.11		ug/L		122	64 - 138
Ethylbenzene	ND	FH	5.00	6.58	FH	ug/L		131	80 - 120
Methyl tert-butyl ether	ND		5.00	5.68		ug/L		113	69 - 120
Methylene Chloride	ND	FH	5.00	6.50	FH	ug/L		130	80 - 120
Styrene	ND	FH	5.00	6.21	FH	ug/L		124	80 - 120
Tetrachloroethene	5.3	FH	5.00	12.3	FH	ug/L		140	80 - 120
Toluene	ND	FH	5.00	6.56	FH	ug/L		131	80 - 120
trans-1,2-Dichloroethene	ND	FH	5.00	6.39	FH	ug/L		128	80 - 122
trans-1,3-Dichloropropene	ND	FH	5.00	6.70	FH	ug/L		134	61 - 129
Trichloroethene	1.1	FH	5.00	7.59	FH	ug/L		129	80 - 120
Vinyl chloride	ND		5.00	5.98		ug/L		119	60 - 125
Xylenes, Total	ND	FH	15.0	18.7	FH	ug/L		124	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

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

Lab Sample ID: 410-169938-6 MSD
Matrix: Water
Analysis Batch: 504341

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	5.33		ug/L		106	71 - 134	13	30
1,1,1-Trichloroethane	0.30	J	5.00	5.82		ug/L		110	78 - 126	13	30
1,1,2,2-Tetrachloroethane	ND	FH *+	5.00	5.91		ug/L		118	75 - 123	12	30
1,1,2-Trichloroethane	ND	FH	5.00	5.70		ug/L		114	80 - 120	14	30
1,1-Dichloroethane	0.13	J FH	5.00	6.03		ug/L		118	74 - 120	14	30
1,1-Dichloroethene	0.19	J FH	5.00	6.01		ug/L		116	80 - 131	14	30
1,2-Dibromoethane (EDB)	ND	FH	5.00	5.56		ug/L		111	80 - 120	13	30
1,2-Dichloroethane	ND		5.00	5.33		ug/L		107	69 - 122	13	30
1,2-Dichloropropane	ND	FH	5.00	6.05	FH	ug/L		121	80 - 120	13	30
2-Butanone (MEK)	ND		62.6	70.1		ug/L		112	59 - 141	9	30
2-Hexanone	ND		62.6	76.7		ug/L		123	52 - 140	9	30
4-Methyl-2-pentanone (MIBK)	ND		62.6	70.9		ug/L		113	55 - 140	9	30
Acetone	ND		62.6	59.1		ug/L		94	60 - 146	11	30
Benzene	ND	FH	5.00	5.80		ug/L		116	80 - 120	13	30
Bromochloromethane	ND	FH	5.00	5.37		ug/L		107	80 - 120	14	30
Bromodichloromethane	ND	FH	5.00	5.50		ug/L		110	73 - 124	13	30
Bromoform	ND		5.00	4.94		ug/L		99	49 - 144	14	30
Bromomethane	ND		5.00	4.65		ug/L		93	60 - 136	12	30
Carbon disulfide	ND	FH	5.00	5.83		ug/L		116	67 - 130	14	30
Carbon tetrachloride	ND		5.00	5.58		ug/L		111	64 - 141	13	30
Chlorobenzene	ND	FH	5.00	5.53		ug/L		111	80 - 120	14	30
Chloroethane	ND	FH	5.00	5.53		ug/L		111	63 - 120	13	30
Chloroform	0.21	J FH	5.00	5.56		ug/L		107	80 - 120	14	30
Chloromethane	0.13	J	5.00	5.31		ug/L		104	80 - 120	11	30
cis-1,2-Dichloroethene	0.97	FH	5.00	6.37		ug/L		108	80 - 122	13	30
cis-1,3-Dichloropropene	ND	FH	5.00	5.39		ug/L		108	67 - 121	13	30
Dibromochloromethane	ND		5.00	5.30		ug/L		106	64 - 138	14	30
Ethylbenzene	ND	FH	5.00	5.75		ug/L		115	80 - 120	13	30
Methyl tert-butyl ether	ND		5.00	5.05		ug/L		101	69 - 120	12	30
Methylene Chloride	ND	FH	5.00	5.66		ug/L		113	80 - 120	14	30
Styrene	ND	FH	5.00	5.48		ug/L		109	80 - 120	13	30
Tetrachloroethene	5.3	FH	5.00	10.7		ug/L		108	80 - 120	14	30
Toluene	ND	FH	5.00	5.76		ug/L		115	80 - 120	13	30
trans-1,2-Dichloroethene	ND	FH	5.00	5.52		ug/L		110	80 - 122	15	30
trans-1,3-Dichloropropene	ND	FH	5.00	5.89		ug/L		118	61 - 129	13	30
Trichloroethene	1.1	FH	5.00	6.64		ug/L		110	80 - 120	13	30
Vinyl chloride	ND		5.00	5.40		ug/L		108	60 - 125	10	30
Xylenes, Total	ND	FH	15.0	16.3		ug/L		109	80 - 120	14	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

QC Association Summary

Client: Groundwater Sciences Corporation
Job ID: 410-169938-1
Project/Site: fYNOP Monthly Surface Water

GC/MS VOA

Analysis Batch: 503852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-169938-1	HD-COD-SW-6-0/1-0	Total/NA	Water	8260D	
410-169938-2	HD-COD-SW-7-0/1-0	Total/NA	Water	8260D	
410-169938-3	HD-COD-SW-8-0/1-0	Total/NA	Water	8260D	
410-169938-4	HD-COD-SW-9-0/1-0	Total/NA	Water	8260D	
410-169938-5	HD-COD-SW-13-0/1-0	Total/NA	Water	8260D	
MB 410-503852/6	Method Blank	Total/NA	Water	8260D	
LCS 410-503852/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 504341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-169938-6	HD-COD-SW-15-0/1-0	Total/NA	Water	8260D	
410-169938-7	HD-COD-SW-16-0/1-0	Total/NA	Water	8260D	
410-169938-8	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-169938-8 - DL	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-169938-9	HD-COD-SW-26-0/1-0	Total/NA	Water	8260D	
410-169938-10	HD-COD-SW-27-0/1-0	Total/NA	Water	8260D	
410-169938-11	HD-COD-SW-28-0/1-0	Total/NA	Water	8260D	
410-169938-12	HD-COD-SW-29-0/1-0	Total/NA	Water	8260D	
410-169938-13	HD-QC1-0/1-1	Total/NA	Water	8260D	
410-169938-13 - DL	HD-QC1-0/1-1	Total/NA	Water	8260D	
410-169938-14	HD-QC1-0/1-2	Total/NA	Water	8260D	
MB 410-504341/6	Method Blank	Total/NA	Water	8260D	
LCS 410-504341/4	Lab Control Sample	Total/NA	Water	8260D	
410-169938-6 MS	HD-COD-SW-15-0/1-0 MS	Total/NA	Water	8260D	
410-169938-6 MSD	HD-COD-SW-15-0/1-0 MSD	Total/NA	Water	8260D	

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

Lab Sample ID: 410-169938-1

Date Collected: 04/29/24 10:20

Matrix: Water

Date Received: 04/30/24 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	503852	JS6E	ELLE	05/08/24 23:09

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

Lab Sample ID: 410-169938-2

Date Collected: 04/29/24 11:00

Matrix: Water

Date Received: 04/30/24 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	503852	JS6E	ELLE	05/08/24 23:29

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

Lab Sample ID: 410-169938-3

Date Collected: 04/29/24 09:15

Matrix: Water

Date Received: 04/30/24 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	503852	JS6E	ELLE	05/08/24 23:50

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

Lab Sample ID: 410-169938-4

Date Collected: 04/29/24 12:20

Matrix: Water

Date Received: 04/30/24 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	503852	JS6E	ELLE	05/09/24 00:10

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

Lab Sample ID: 410-169938-5

Date Collected: 04/29/24 09:32

Matrix: Water

Date Received: 04/30/24 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	503852	JS6E	ELLE	05/09/24 00:30

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

Lab Sample ID: 410-169938-6

Date Collected: 04/29/24 11:20

Matrix: Water

Date Received: 04/30/24 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	504341	JS6E	ELLE	05/09/24 21:53

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

Lab Sample ID: 410-169938-7

Date Collected: 04/29/24 09:55

Matrix: Water

Date Received: 04/30/24 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	504341	JS6E	ELLE	05/10/24 00:09

Client Sample ID: HD-COD-SW-17-0/1-0
Lab Sample ID: 410-169938-8
Date Collected: 04/29/24 10:05
Matrix: Water
Date Received: 04/30/24 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	504341	JS6E	ELLE	05/10/24 03:27
Total/NA	Analysis	8260D	DL	10	504341	JS6E	ELLE	05/10/24 03:49

Client Sample ID: HD-COD-SW-26-0/1-0
Lab Sample ID: 410-169938-9
Date Collected: 04/29/24 10:40
Matrix: Water
Date Received: 04/30/24 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	504341	JS6E	ELLE	05/10/24 00:31

Client Sample ID: HD-COD-SW-27-0/1-0
Lab Sample ID: 410-169938-10
Date Collected: 04/29/24 11:10
Matrix: Water
Date Received: 04/30/24 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	504341	JS6E	ELLE	05/10/24 00:53

Client Sample ID: HD-COD-SW-28-0/1-0
Lab Sample ID: 410-169938-11
Date Collected: 04/29/24 12:30
Matrix: Water
Date Received: 04/30/24 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	504341	JS6E	ELLE	05/10/24 01:15

Client Sample ID: HD-COD-SW-29-0/1-0
Lab Sample ID: 410-169938-12
Date Collected: 04/29/24 09:00
Matrix: Water
Date Received: 04/30/24 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	504341	JS6E	ELLE	05/10/24 01:37

Client Sample ID: HD-QC1-0/1-1
Lab Sample ID: 410-169938-13
Date Collected: 04/29/24 12:00
Matrix: Water
Date Received: 04/30/24 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	504341	JS6E	ELLE	05/10/24 04:11
Total/NA	Analysis	8260D	DL	10	504341	JS6E	ELLE	05/10/24 04:33

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-169938-14
Date Collected: 04/29/24 00:00
Matrix: Water
Date Received: 04/30/24 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	504341	JS6E	ELLE	05/09/24 19:40

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: 410-169938-1
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: 410-169938-1
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: 410-169938-1
Project/Site: fYNOP Monthly Surface Water

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-169938-1	HD-COD-SW-6-0/1-0	Water	04/29/24 10:20	04/30/24 16:27
410-169938-2	HD-COD-SW-7-0/1-0	Water	04/29/24 11:00	04/30/24 16:27
410-169938-3	HD-COD-SW-8-0/1-0	Water	04/29/24 09:15	04/30/24 16:27
410-169938-4	HD-COD-SW-9-0/1-0	Water	04/29/24 12:20	04/30/24 16:27
410-169938-5	HD-COD-SW-13-0/1-0	Water	04/29/24 09:32	04/30/24 16:27
410-169938-6	HD-COD-SW-15-0/1-0	Water	04/29/24 11:20	04/30/24 16:27
410-169938-7	HD-COD-SW-16-0/1-0	Water	04/29/24 09:55	04/30/24 16:27
410-169938-8	HD-COD-SW-17-0/1-0	Water	04/29/24 10:05	04/30/24 16:27
410-169938-9	HD-COD-SW-26-0/1-0	Water	04/29/24 10:40	04/30/24 16:27
410-169938-10	HD-COD-SW-27-0/1-0	Water	04/29/24 11:10	04/30/24 16:27
410-169938-11	HD-COD-SW-28-0/1-0	Water	04/29/24 12:30	04/30/24 16:27
410-169938-12	HD-COD-SW-29-0/1-0	Water	04/29/24 09:00	04/30/24 16:27
410-169938-13	HD-QC1-0/1-1	Water	04/29/24 12:00	04/30/24 16:27
410-169938-14	HD-QC1-0/1-2	Water	04/29/24 00:00	04/30/24 16:27

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

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.: 410-169938-1

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.: 410-169938-1

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.: 410-169938-1

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.: 410-169938-1

SDG No.:

Instrument ID: 16334 Analysis Batch Number: 504341

Lab Sample ID: CCVIS 410-504341/3 Client Sample ID:

Date Analyzed: 05/09/24 18:12 Lab File ID: GY09X32.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	JS6E	05/09/24 19:47

Lab Sample ID: 410-169938-14 Client Sample ID: HD-QC1-0/1-2

Date Analyzed: 05/09/24 19:40 Lab File ID: GY09X36.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone		Invalid Compound ID	N9NA	05/10/24 09:34

Lab Sample ID: 410-169938-6 Client Sample ID: HD-COD-SW-15-0/1-0

Date Analyzed: 05/09/24 21:53 Lab File ID: GY09X42.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethane	5.00	Incomplete Integration	N9NA	05/10/24 09:45

Lab Sample ID: 410-169938-7 Client Sample ID: HD-COD-SW-16-0/1-0

Date Analyzed: 05/10/24 00:09 Lab File ID: GY09X48.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	N9NA	05/10/24 13:01
1,1-Dichloroethene		Invalid Compound ID	N9NA	05/10/24 13:01

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Instrument ID: 16334 Analysis Batch Number: 504341

Lab Sample ID: 410-169938-10 Client Sample ID: HD-COD-SW-27-0/1-0

Date Analyzed: 05/10/24 00:53 Lab File ID: GY09X50.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.85	Incomplete Integration	N9NA	05/10/24 13:04
Chloroform	6.33	Incomplete Integration	N9NA	05/10/24 13:04

Lab Sample ID: 410-169938-11 Client Sample ID: HD-COD-SW-28-0/1-0

Date Analyzed: 05/10/24 01:15 Lab File ID: GY09X51.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.86	Incomplete Integration	N9NA	05/10/24 13:05

Lab Sample ID: 410-169938-12 Client Sample ID: HD-COD-SW-29-0/1-0

Date Analyzed: 05/10/24 01:37 Lab File ID: GY09X52.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene		Invalid Compound ID	N9NA	05/10/24 13:42

Lab Sample ID: 410-169938-8 Client Sample ID: HD-COD-SW-17-0/1-0

Date Analyzed: 05/10/24 03:27 Lab File ID: GY09X57.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	N9NA	05/10/24 15:26

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 431955

Lab Sample ID: IC 410-431955/3 Client Sample ID:

Date Analyzed: 10/17/23 04:22 Lab File ID: HO16X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorodifluoromethane	1.89	Incomplete Integration	DVW2	10/17/23 12:06
Acetonitrile	3.79	Incomplete Integration	DVW2	10/17/23 12:07
cis-1,4-Dichloro-2-butene	11.96	Incomplete Integration	DVW2	10/17/23 12:07

Lab Sample ID: IC 410-431955/4 Client Sample ID:

Date Analyzed: 10/17/23 04:42 Lab File ID: HO16X03.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.82	Incomplete Integration	DVW2	10/17/23 12:07
cis-1,4-Dichloro-2-butene	11.96	Wrong peak	UCB5	10/20/23 12:13

Lab Sample ID: IC 410-431955/5 Client Sample ID:

Date Analyzed: 10/17/23 05:02 Lab File ID: HO16X04.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.80	Incomplete Integration	DVW2	10/17/23 12:08
cis-1,4-Dichloro-2-butene	11.96	Incomplete Integration	DVW2	10/17/23 12:09

Lab Sample ID: IC 410-431955/6 Client Sample ID:

Date Analyzed: 10/17/23 05:22 Lab File ID: HO16X05.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.83	Incomplete Integration	DVW2	10/17/23 12:09
cis-1,4-Dichloro-2-butene	11.96	Incomplete Integration	DVW2	10/17/23 12:09

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 431955

Lab Sample ID: IC 410-431955/7 Client Sample ID:

Date Analyzed: 10/17/23 05:42 Lab File ID: HO16X06.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.79	Incomplete Integration	DVW2	10/17/23 12:10
cis-1,4-Dichloro-2-butene	11.96	Incomplete Integration	DVW2	10/17/23 12:10

Lab Sample ID: IC 410-431955/8 Client Sample ID:

Date Analyzed: 10/17/23 06:02 Lab File ID: HO16X07.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,4-Dichloro-2-butene	11.96	Incomplete Integration	DVW2	10/17/23 12:06

Lab Sample ID: IC 410-431955/9 Client Sample ID:

Date Analyzed: 10/17/23 06:22 Lab File ID: HO16X08.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,4-Dichloro-2-butene	11.96	Incomplete Integration	DVW2	10/17/23 12:12

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 431955

Lab Sample ID: IC 410-431955/13 Client Sample ID:

Date Analyzed: 10/17/23 07:43 Lab File ID: HO16X12.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.87	Incomplete Integration	DVW2	10/17/23 13:19
Acetone	3.40	Incomplete Integration	DVW2	10/18/23 08:27
Methyl acetate	3.82	Incomplete Integration	DVW2	10/18/23 08:27
trans-1,2-Dichloroethene	4.40	Incomplete Integration	DVW2	10/18/23 08:27
cis-1,2-Dichloroethene	5.89	Incomplete Integration	DVW2	10/18/23 08:27
Propionitrile	5.98	Incomplete Integration	DVW2	10/18/23 08:28
Cyclohexane	6.72	Incomplete Integration	DVW2	10/18/23 08:28
n-Heptane	7.52	Incomplete Integration	DVW2	10/18/23 08:28
Methylcyclohexane	8.31	Incomplete Integration	DVW2	10/18/23 08:28
1-Bromo-2-chloroethane	9.09	Incomplete Integration	DVW2	10/18/23 08:29

Lab Sample ID: IC 410-431955/14 Client Sample ID:

Date Analyzed: 10/17/23 08:03 Lab File ID: HO16X13.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.87	Incomplete Integration	DVW2	10/18/23 08:30
Methyl acetate	3.81	Incomplete Integration	DVW2	10/18/23 08:31
Propionitrile	5.98	Incomplete Integration	DVW2	10/18/23 08:31
Tetrahydrofuran	6.26	Incomplete Integration	DVW2	10/18/23 08:31
1,4-Dioxane	8.44	Incomplete Integration	DVW2	10/18/23 08:32
1,1,2,2-Tetrachloroethane	12.16	Incomplete Integration	DVW2	10/18/23 08:32

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 431955

Lab Sample ID: IC 410-431955/15 Client Sample ID:

Date Analyzed: 10/17/23 08:23 Lab File ID: HO16X14.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.87	Incomplete Integration	DVW2	10/18/23 08:33
Acetone	3.41	Incomplete Integration	DVW2	10/18/23 08:34
Propionitrile	5.97	Incomplete Integration	DVW2	10/18/23 08:34

Lab Sample ID: IC 410-431955/16 Client Sample ID:

Date Analyzed: 10/17/23 08:43 Lab File ID: HO16X15.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.87	Incomplete Integration	DVW2	10/18/23 08:35

Lab Sample ID: ICIS 410-431955/18 Client Sample ID:

Date Analyzed: 10/17/23 09:23 Lab File ID: HO16X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.87	Incomplete Integration	DVW2	10/18/23 08:38
Methyl acetate	3.80	Incomplete Integration	DVW2	10/17/23 12:20
t-Butyl alcohol	4.11	Incomplete Integration	DVW2	10/17/23 12:20
n-Heptane	7.53	Incomplete Integration	DVW2	10/17/23 12:21
1,4-Dioxane	8.43	Incomplete Integration	DVW2	10/17/23 12:21

Lab Sample ID: IC 410-431955/19 Client Sample ID:

Date Analyzed: 10/17/23 09:43 Lab File ID: HO16X18.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.43	Incomplete Integration	DVW2	10/18/23 08:40

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 431955

Lab Sample ID: ICV 410-431955/21 Client Sample ID:

Date Analyzed: 10/17/23 10:24 Lab File ID: HO16X20.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.87	Incomplete Integration	DVW2	10/18/23 08:41
1,4-Dioxane	8.43	Incomplete Integration	DVW2	10/18/23 08:42

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 503852

Lab Sample ID: CCVIS 410-503852/3 Client Sample ID:

Date Analyzed: 05/08/24 20:44 Lab File ID: HY08X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.81	Incomplete Integration	JS6E	05/08/24 21:21

Lab Sample ID: 410-169938-2 Client Sample ID: HD-COD-SW-7-0/1-0

Date Analyzed: 05/08/24 23:29 Lab File ID: HY08X10.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.65	Incomplete Integration	QD9U	05/09/24 14:29
Acetone		Invalid Compound ID	QD9U	05/09/24 14:29

Lab Sample ID: 410-169938-3 Client Sample ID: HD-COD-SW-8-0/1-0

Date Analyzed: 05/08/24 23:50 Lab File ID: HY08X11.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	7.99	Incomplete Integration	QD9U	05/09/24 14:30
1,1,1-Trichloroethane		Invalid Compound ID	QD9U	05/09/24 14:30

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_CCV_CYC_00007	01/19/24	07/19/23	50/50 MeOH/Water, Lot EG095	100 mL	MSV_VCYC_STK_00010	6.248 mL	Cyclohexanone	6249.87 ug/mL
.MSV_VCYC_STK_00010	01/19/24	07/19/23	50/50 MeOH/Water, Lot EG095	10 mL	MSV_CYC_00009	1.0003 g	Cyclohexanone	100030 ug/mL
..MSV_CYC_00009	06/30/27	Chem Service, Lot 14568900			(Purchased Reagent)		Cyclohexanone	1 g/g
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_00029	11/08/23	10/09/23	Methanol, Lot DZ644	10 mL	MSV_AcetatesV_00062	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00062	11/30/24	Restek, Lot A0197847			(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Ethyl acetate	10000 ug/mL
							Vinyl acetate	10000 ug/mL
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_00049	11/14/23	Restek, Lot A0190883			(Purchased Reagent)		Dimethyl ether	1000 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
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_Cus826_IS_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_00087	10/18/24	04/18/24	Methanol, Lot EH822	10 mL	MSV_Cus826_IS_00777	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_00777	10/18/24		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_HP25_ISSS_00087	10/18/24	04/18/24	Methanol, Lot EH822	10 mL	MSV_8260_SS_01192	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_01192	10/18/24		Restek, Lot A0203162		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MSV_LCS_VOC#1_00134	11/14/23	10/15/23	Methanol, Lot EG095	25 mL	MSV_M_MIX1SEC_00161	1 mL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,2-Dibromoethane (EDB)	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							Benzene	40 ug/mL
							Bromochloromethane	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromochloromethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Methylene Chloride	40 ug/mL
							Styrene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00159	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00162	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_00161	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_00159	04/30/26		Restek, Lot A0197573		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00162	04/30/25		Restek, Lot A0184721		(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_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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane (EDB)	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							Benzene	40 ug/mL
							Bromochloromethane	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromochloromethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Methylene Chloride	40 ug/mL
							Styrene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_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
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_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_00165	06/04/24	05/05/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00195	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_00198	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00209	1 mL	2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	500 ug/mL
.MSV_M_MIX1SEC_00195	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_00198	04/30/26		Restek, Lot A0197573		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00209	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_LL_#1_826_00099	11/14/23	10/15/23	Methanol, Lot EG095	1 mL	MSV_CCV_VOC#1_00150	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

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)	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
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00147	200 uL	Acrolein	2500.06 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_00210	150 uL	1,4-Dioxane	2500 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							Isobutyl alcohol	2500 ug/mL
							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_00150	11/14/23	10/15/23	Methanol, Lot EG095	5 mL	MSV_MegaMIX#1_00146	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00142	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trichlorobenzene	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_00146	11/14/23		Restek, Lot A0197556		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00142	11/14/23		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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00147	11/14/23	10/15/23	Methanol, Lot EG095	5 mL	MSV_CCV_ACR_00013	0.5 mL	Acrolein	12500.3 ug/mL
					MSV_V_Ketones_00143	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_00013	11/16/23	09/17/23	Methanol, Lot EG095	10 mL	MSV_VACR_STK_00035	9.299 mL	Acrolein	125003 ug/mL
...MSV_VACR_STK_00035	11/16/23	09/17/23	Methanol, Lot EG095	10 mL	MSV_ACROLEIN_00029	1.447 g	Acrolein	134426 ug/mL
....MSV_ACROLEIN_00029	06/30/24	Chem Service, Lot 14451400			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00143	01/31/25	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_00210	11/14/23	10/15/23	Methanol, Lot EG095	5 mL	MSV_V#2B_00338	1 mL	1,4-Dioxane	12500 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							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_00338	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_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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

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	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
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Methacrylonitrile	500 ug/mL
							n-Butanol	4375 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	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
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSV_MegaMix#2_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
							Isobutyl alcohol	12500 ug/mL
							Methacrylonitrile	2500 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00126	05/28/24	04/28/24	Methanol, Lot EH822	1 mL	MSV_CCV_VOC#1_00181	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_00177	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_00181	05/28/24	04/28/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00176	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00172	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
..MSV_MegaMIX#1_00176	05/28/24		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
							Dibromochloromethane	5000 ug/mL
							Ethylbenzene	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		
							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_00172	05/28/24		Restek, Lot A0197578		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
.MSV_CCV_VOC#3_00177	05/28/24	04/28/24	Methanol, Lot EH471	5 mL	MSV_V_Ketones_00165	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_00165	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_#1_826_00128	06/04/24	05/06/24	Methanol, Lot EH822	1 mL	MSV_CCV_VOC#1_00182	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

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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_CCV_VOC#3_00178	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_00182	06/04/24	05/05/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00172	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_00173	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
..MSV_MegaMIX#1_00172	04/30/26		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

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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 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_00173	04/30/26		Restek, Lot A0197578		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
.MSV_CCV_VOC#3_00178	06/04/24	05/05/24	Methanol, Lot EH471	5 mL	MSV_V_Ketones_00186	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_00186	02/28/26		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_#2_826_00108	10/31/23	10/15/23	Methanol, Lot EG095	1 mL	CCV_ETBR_00005	50 uL	Ethyl bromide	49.9548 ug/mL
					MSV_BCE_00062	25 uL	1-Bromo-2-chloroethane	50 ug/mL
					MSV_CCV_EE_00005	50 uL	Ethyl ether	50.0068 ug/mL
					MSV_V_PentaCL_00037	10 uL	Pentachloroethane	50 ug/mL
.CCV_ETBR_00005	11/15/23	05/16/23	Methanol, Lot EG095	10 mL	MSV_VETBR_STK_00014	0.228 mL	Ethyl bromide	999.096 ug/mL
..MSV_VETBR_STK_00014	11/15/23	05/16/23	Methanol, Lot EG095	10 mL	MSV_EtBr_00007	0.4382 g	Ethyl bromide	43820 ug/mL
...MSV_EtBr_00007	06/30/25		Chem Service, Lot 13345600		(Purchased Reagent)		Ethyl bromide	1 g/g
.MSV_BCE_00062	10/31/23		Restek, Lot A0197429		(Purchased Reagent)		1-Bromo-2-chloroethane	2000 ug/mL
.MSV_CCV_EE_00005	11/10/23	05/10/23	Methanol, Lot EG095	50 mL	MSV_EE_MISCSK_00012	1.686 mL	Ethyl ether	1000.14 ug/mL
..MSV_EE_MISCSK_00012	11/10/23	05/10/23	Methanol, Lot EG095	10 mL	MSV_EE_Neat_00009	0.2966 g	Ethyl ether	29660 ug/mL
...MSV_EE_Neat_00009	05/30/27		Chem Service, Lot 14084700		(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_V_PentaCL_00037	11/07/23		Restek, Lot A0184174		(Purchased Reagent)		Pentachloroethane	5000 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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...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_GAS826_00174	10/22/23	10/15/23	Methanol, Lot EG095	1 mL	MSV_CCV_GASES_00609	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_00609	10/22/23		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_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_00206	05/10/24	05/03/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00763	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_CCV_GASES_00763	05/10/24		Restek, Lot A0197586		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LL_GAS826_00207	05/13/24	05/06/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00754	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_00754	05/13/24		Restek, Lot A0197586		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LLcentISS_00009	01/06/24	07/06/23	Methanol, Lot EG095	50 mL	MSV_8260_SS_00953	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_00582	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_00953	02/29/28		Restek, Lot A0195060		(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_00582	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_LLcentISS_00010	01/06/24	10/17/23	Methanol, Lot EG095	50 mL	MSV_Cus826_IS_00582	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_Cus826_IS_00582	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_LLcentISS_00012	08/01/24	02/01/24	Methanol, Lot EG095	50 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_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_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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 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_QC_Gas826_00164	10/22/23	10/15/23	Methanol, Lot EG095	1 mL	MSV_QC_2K_GAS_00182	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00182	10/22/23		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_00184	02/25/24	02/18/24	Methanol, Lot EG095	1 mL	MSV_QC_2K_GAS_00201	20 uL	Bromomethane	40 ug/mL
							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_00196	05/12/24	05/06/24	Methanol, Lot EH822	1 mL	MSV_QC_2K_GAS_00214	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00214	05/12/24		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_00012							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
					MSV_VBFB_STK_00010	0.096 mL	BFB	49.7971 ug/mL
.MSV_VBFB_STK_00010	12/13/23	06/13/23	Methanol, Lot EG095	10 mL	MSV_4BFB_NEAT_00010	1.2968 g	BFB	129680 ug/mL
..MSV_4BFB_NEAT_00010	05/31/25		Chem Service, Lot 13775500		(Purchased Reagent)		BFB	1 g/g
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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.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_SMRV4_00063	11/07/23	10/11/23	Methanol, Lot EG095	1 mL	MSV_CCV_2CEVE_00142	200 uL	2-Chloroethyl vinyl ether	200 ug/mL
					MSV_CCV_LKB_00007	400 uL	cis-1,4-Dichloro-2-butene	399.99 ug/mL
					MSV_V_SMFreon_00031	100 uL	Chlorodifluoromethane	200 ug/mL
.MSV_CCV_2CEVE_00142	11/07/23	10/08/23	Methanol, Lot EG095	5 mL	MSV_V_2CLEVE_00147	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00147	04/30/26	Restek, Lot A0197472			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_LKB_00007	12/26/23	06/26/23	Methanol, Lot EG095	50 mL	MSV_Vc14d_STK_00009	1.411 mL	cis-1,4-Dichloro-2-butene	999.976 ug/mL
..MSV_Vc14d_STK_00009	12/26/23	06/26/23	Methanol, Lot EG095	10 mL	MSV_c14dcb_Nt_00004	0.373 g	cis-1,4-Dichloro-2-butene	35435 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_00031	11/08/23	Restek, Lot A0184508			(Purchased Reagent)		Chlorodifluoromethane	2000 ug/mL
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_01192

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 30240 **Lot No.:** 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.)

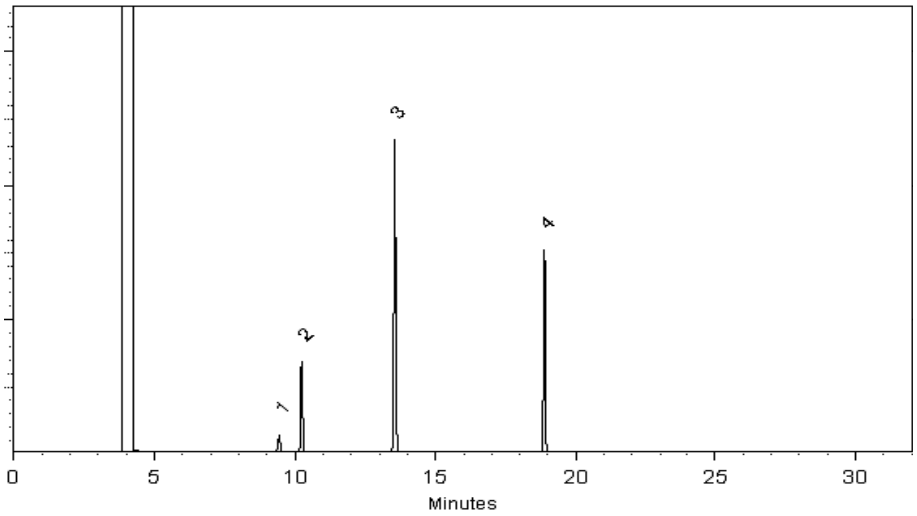
Inj. Temp:
200°C

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_00062

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. : 30469 **Lot No.:** A0197429

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 : April 30, 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%	2,014.0 µg/mL	+/- 113.1642

* 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.)

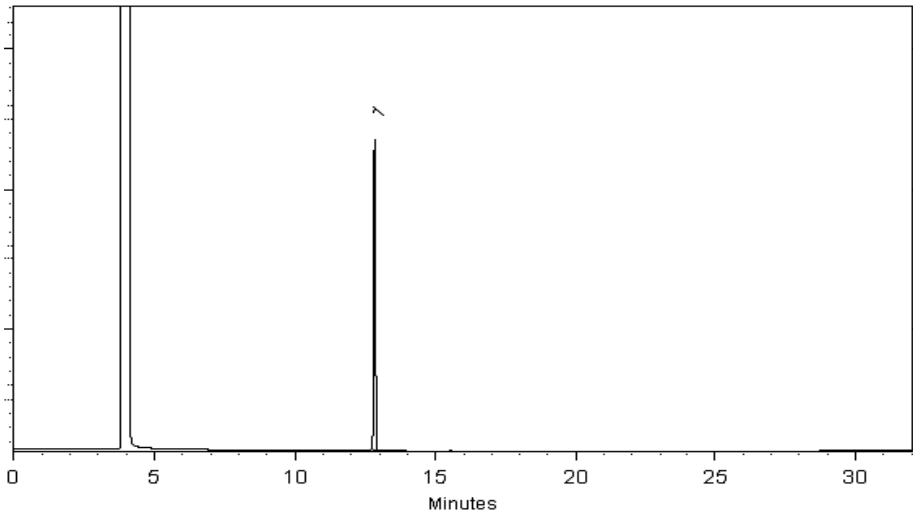
Inj. Temp:
200°C

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.

Nick Yaw - Operations Tech I

Date Mixed: 25-Apr-2023 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_BCE_00063

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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. : 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.)

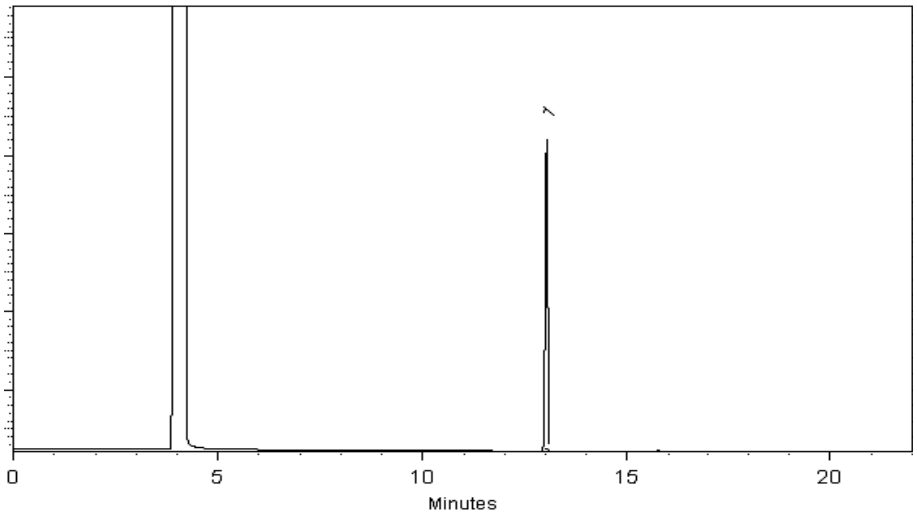
Inj. Temp:
200°C

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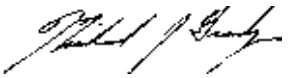
3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

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

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

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



Michael Grady, Manager
Quality Control
Sheboygan Falls, WI US

Reagent

MSV_CCV_GASES_00609

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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. : 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.

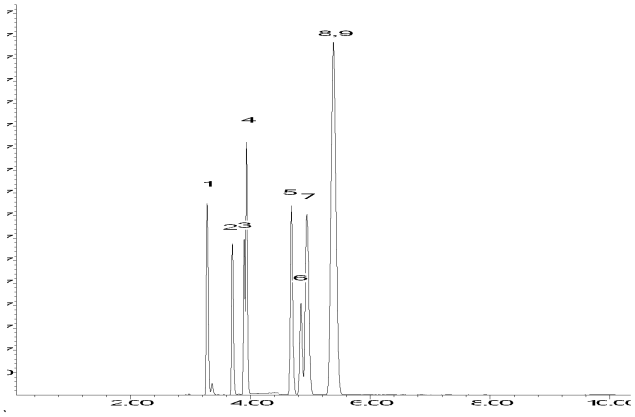
Inj. Temp:
200°C

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_00710

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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.

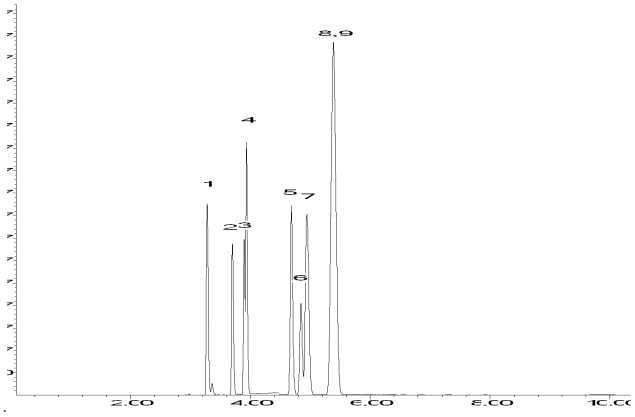
Inj. Temp:
200°C

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_00754

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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

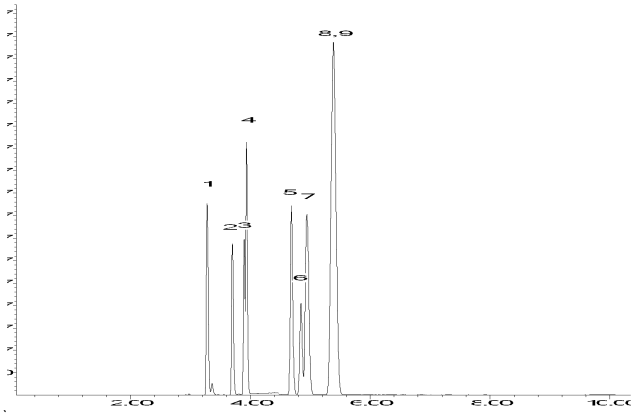
Inj. Temp:
200°C

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.
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Manufacturing Notes:

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Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_CCV_GASES_00763

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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.

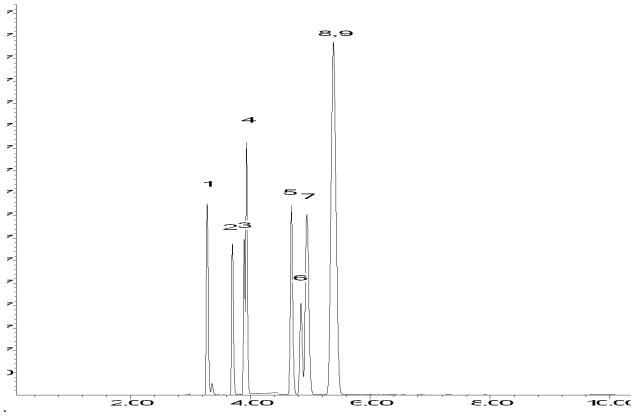
Inj. Temp:
200°C

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_00777

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 558267 **Lot No.:** 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.)

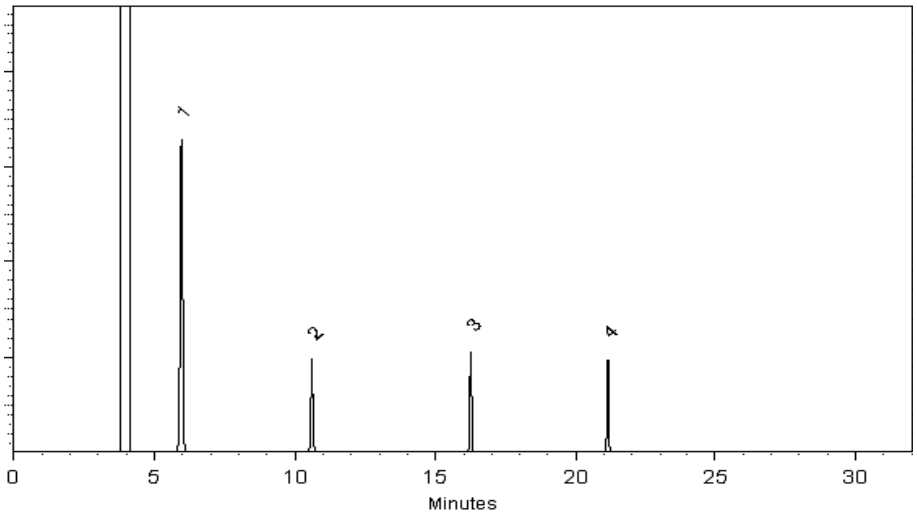
Inj. Temp:
200°C

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_00049

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CERTIFIED REFERENCE MATERIAL

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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)

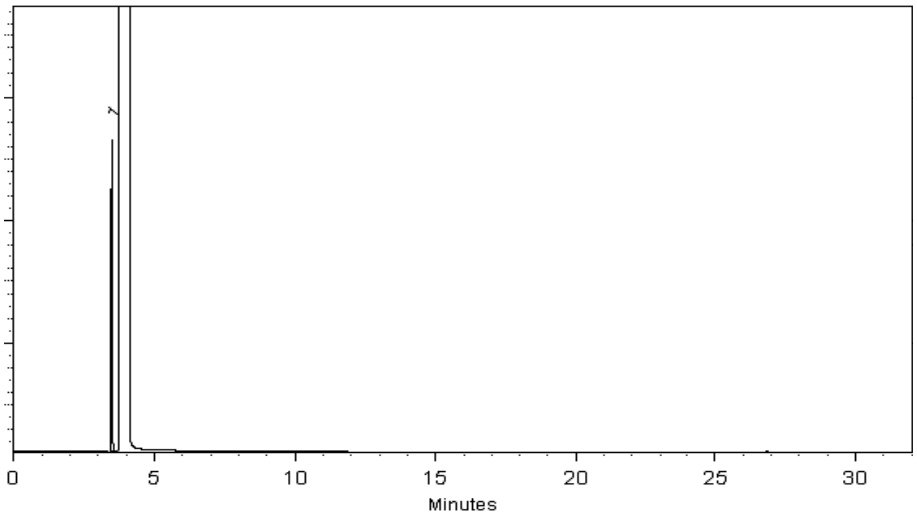
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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)

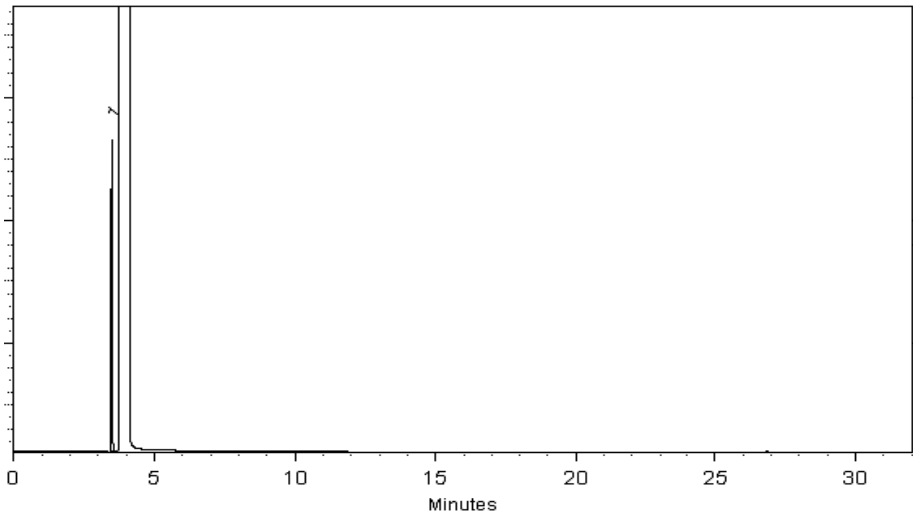
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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_00195

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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.)

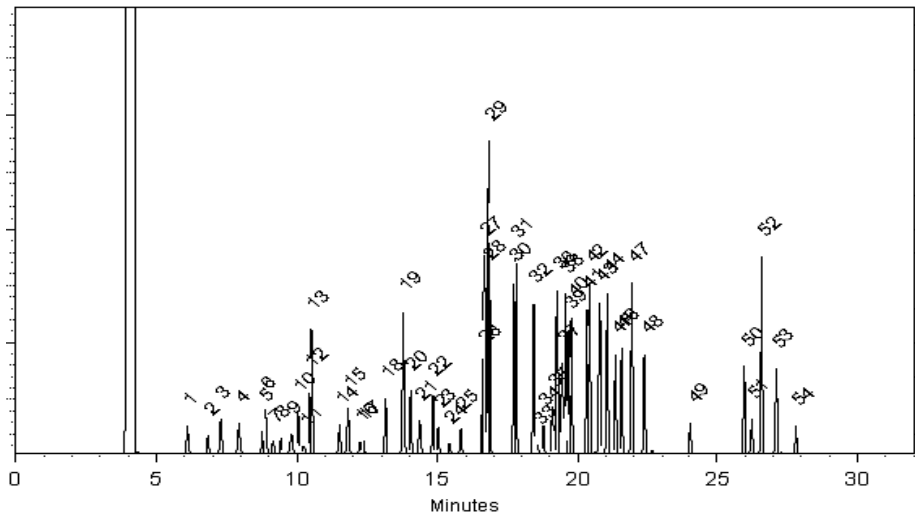
Inj. Temp:
200°C

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_00198

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.)

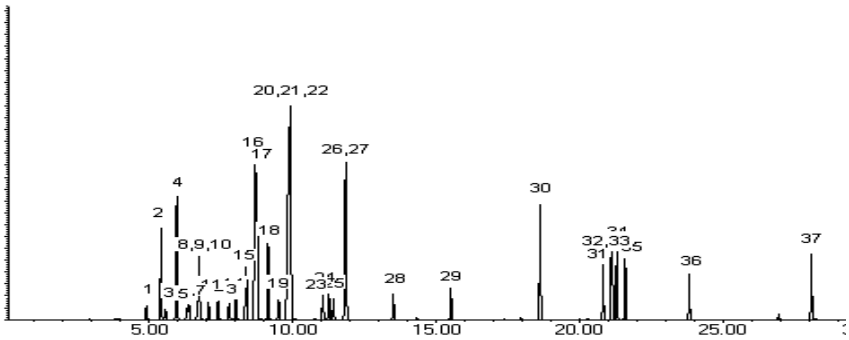
Inj. Temp:
200°C

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_00146

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.)

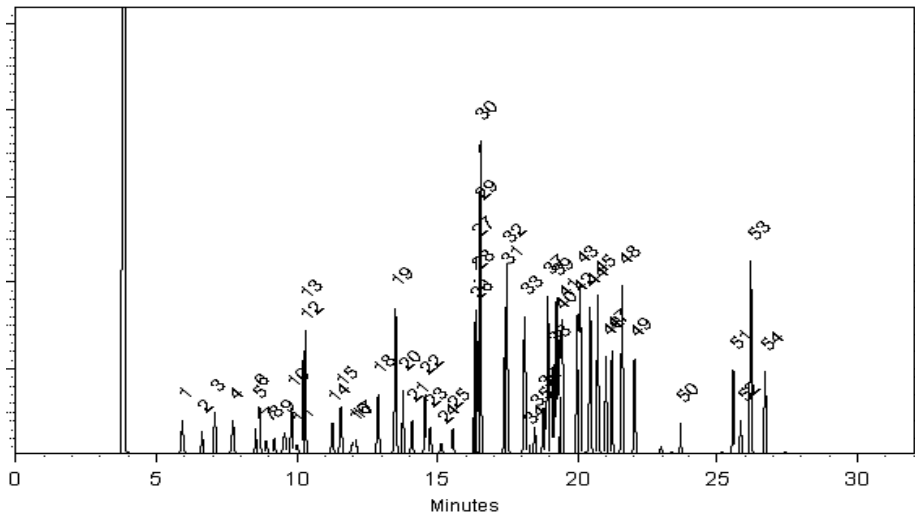
Inj. Temp:
200°C

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_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.)

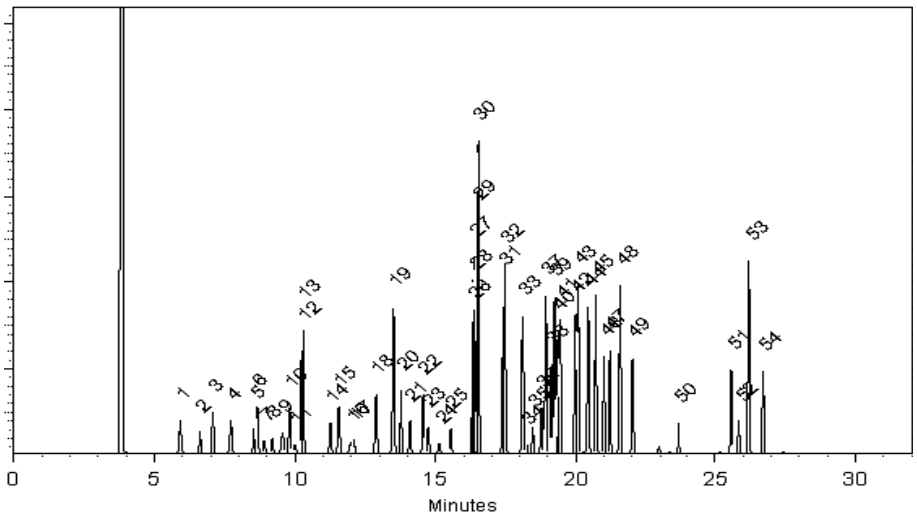
Inj. Temp:
200°C

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_00172

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.)

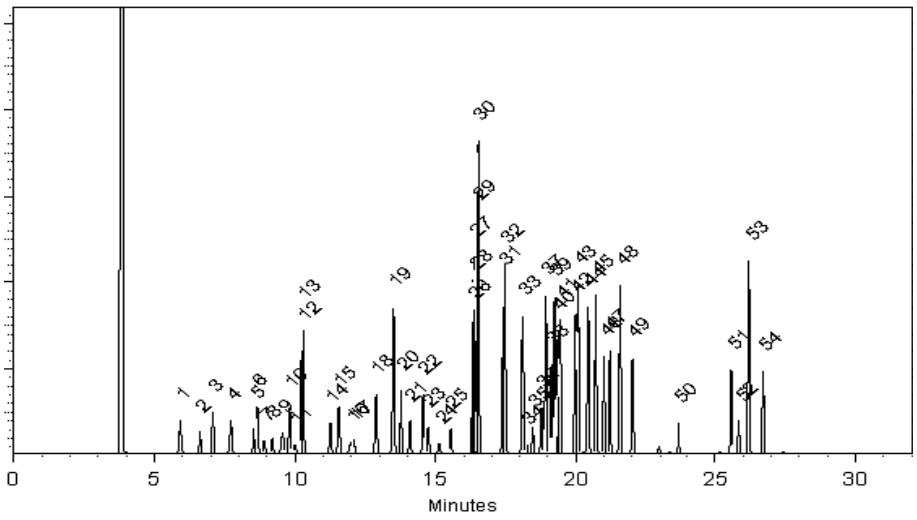
Inj. Temp:
200°C

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_00176

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.)

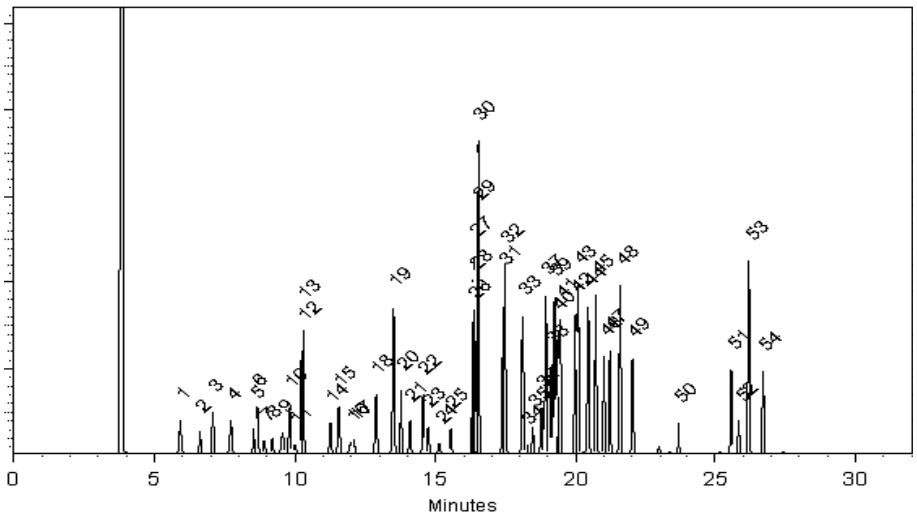
Inj. Temp:
200°C

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_00142

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.)

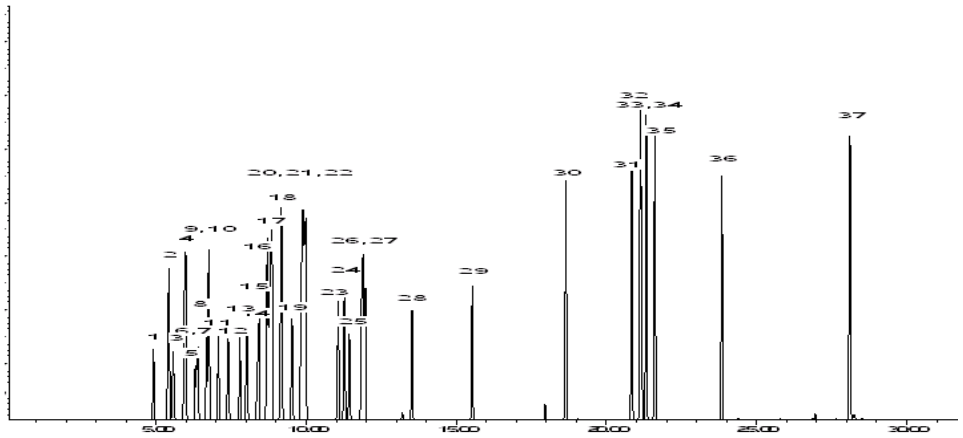
Inj. Temp:
200°C

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_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.)

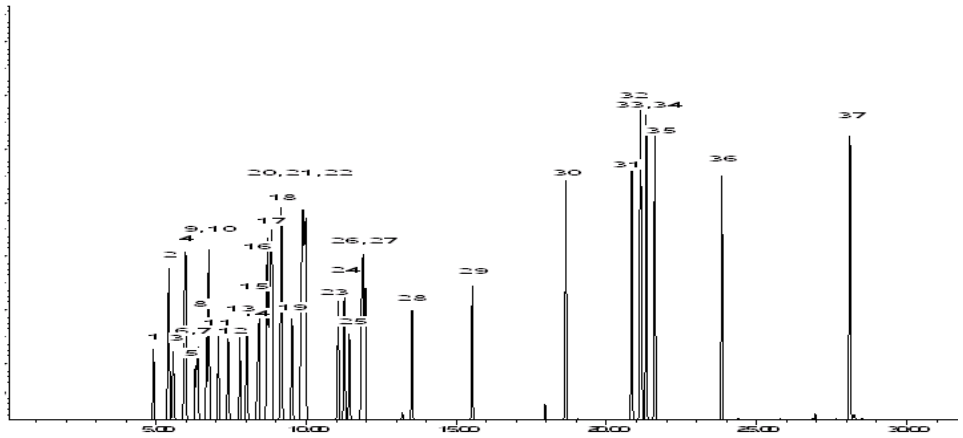
Inj. Temp:
200°C

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_00172

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.)

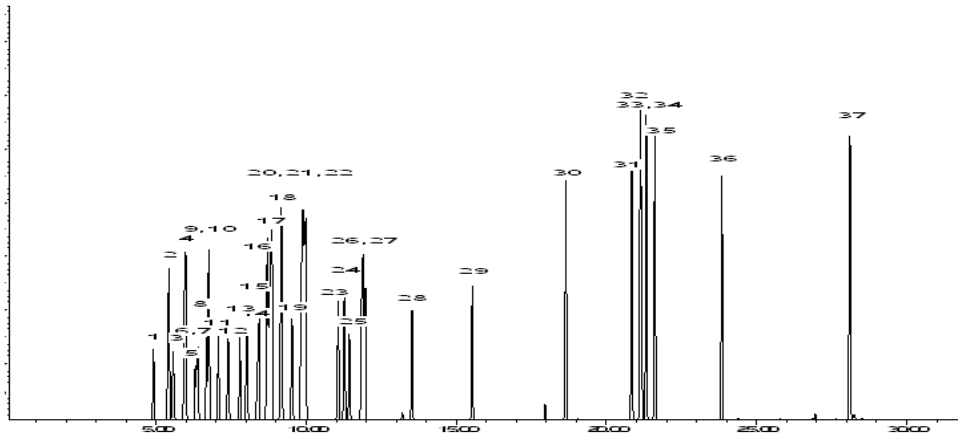
Inj. Temp:
200°C

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_00173

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.)

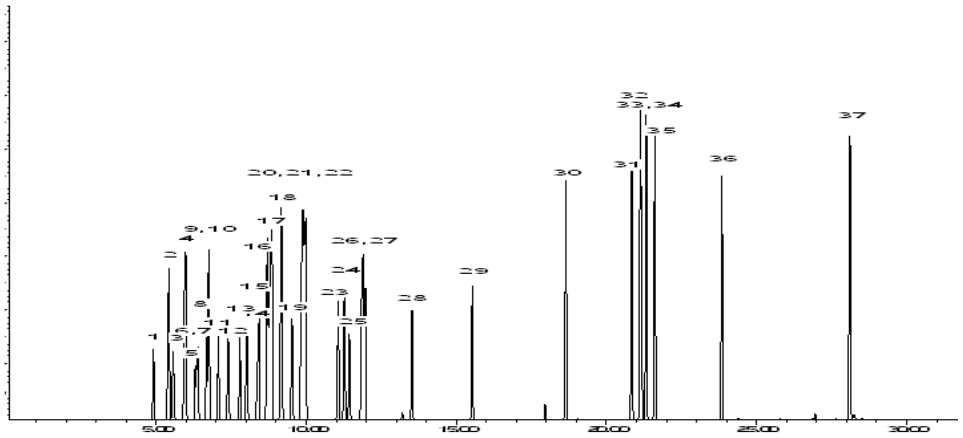
Inj. Temp:
200°C

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_00209

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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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.)

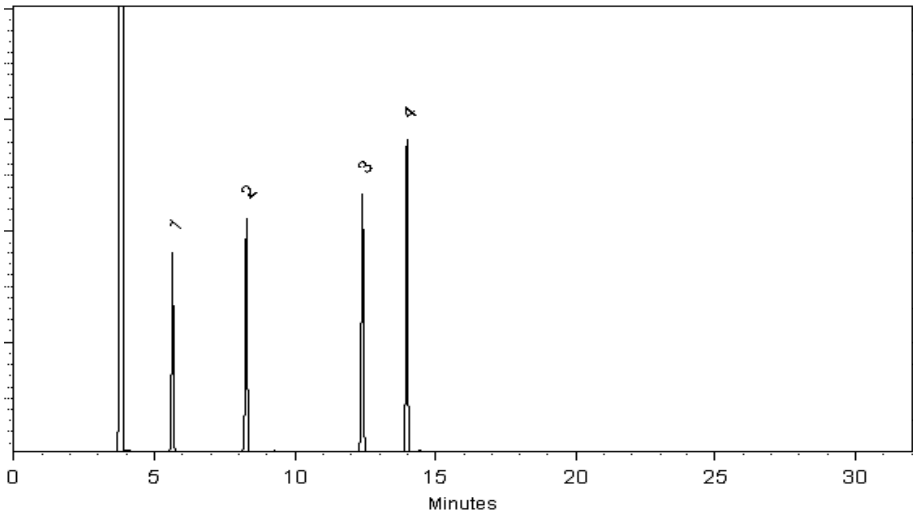
Inj. Temp:
200°C

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_00182

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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. : 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)

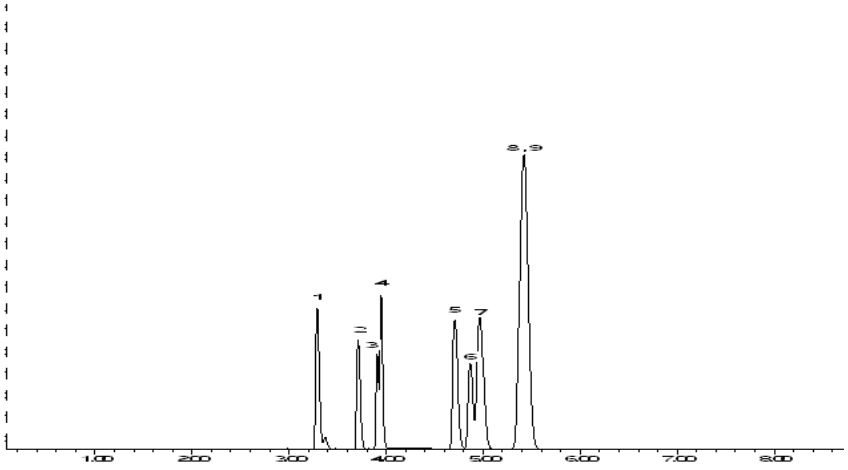
Carrier Gas:
helium-constant flow 2.0 mL/min.

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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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)

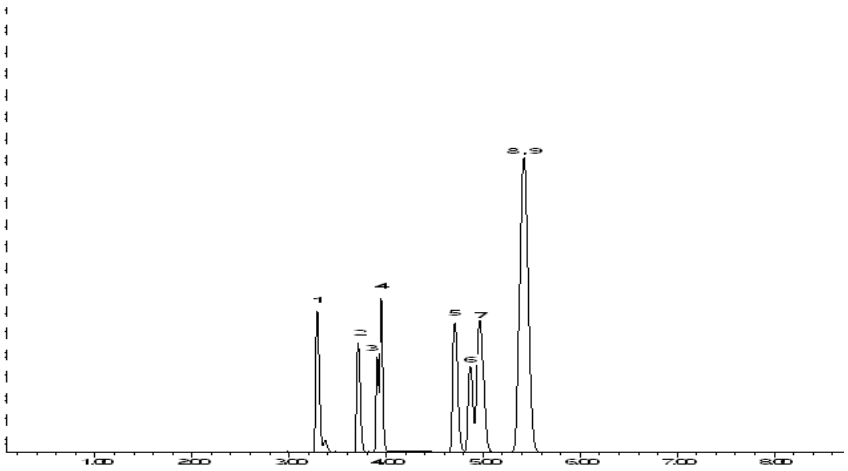
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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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.
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- 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:

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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
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	Purity 99%		+/- 116.0260	µg/mL	Stressed
3	Vinyl chloride	2,002.4 µg/mL	+/- 21.8874	µg/mL	Gravimetric
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	Purity 99%		+/- 116.3843	µg/mL	Stressed
4	1,3-Butadiene	2,003.4 µg/mL	+/- 24.0683	µg/mL	Gravimetric
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	Purity 99%		+/- 116.8705	µg/mL	Stressed
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	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
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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%

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Tech Tips:
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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:
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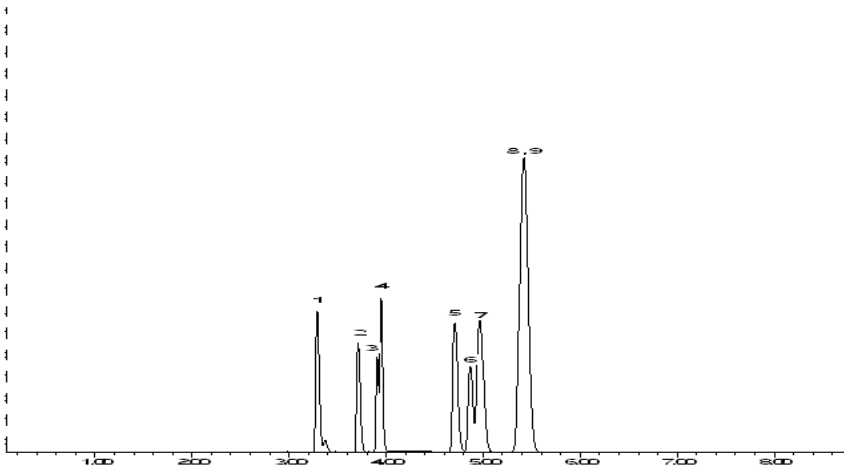
Det. Temp:
250°C

Det. Type:
MSD



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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:

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- 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_00165

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CERTIFIED REFERENCE MATERIAL

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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. : 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.)

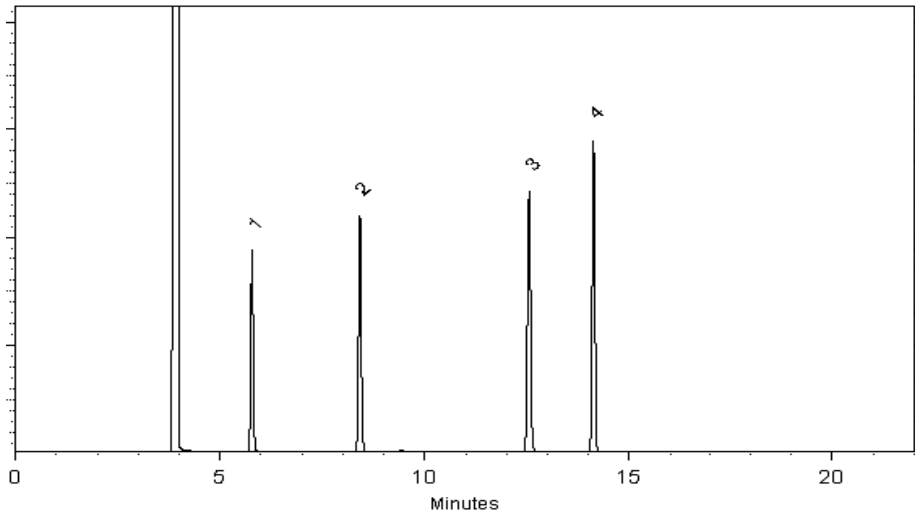
Inj. Temp:
200°C

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_00186

RESTEK
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CERTIFIED REFERENCE MATERIAL

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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569721 **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.)

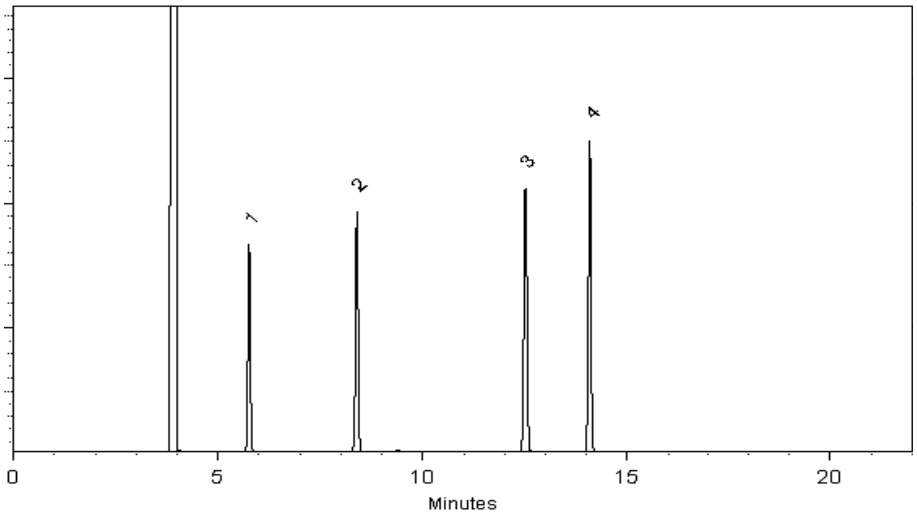
Inj. Temp:
200°C

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_00037

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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)

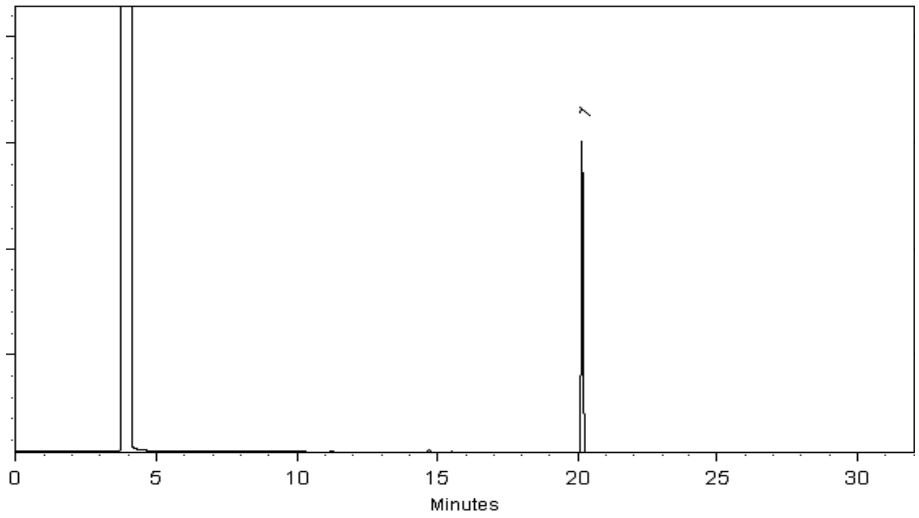
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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_PentaCL_00042

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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)

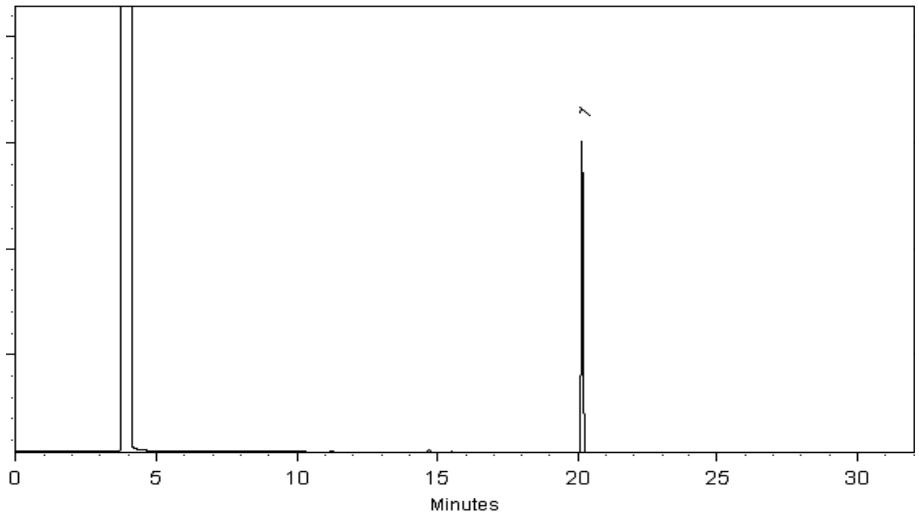
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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

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	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)

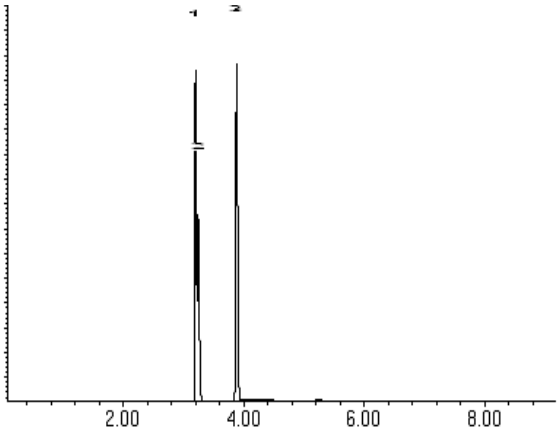
Carrier Gas:
helium-constant flow 2.0 mL/min.

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.
- 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

110 Benner Circle
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

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	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)

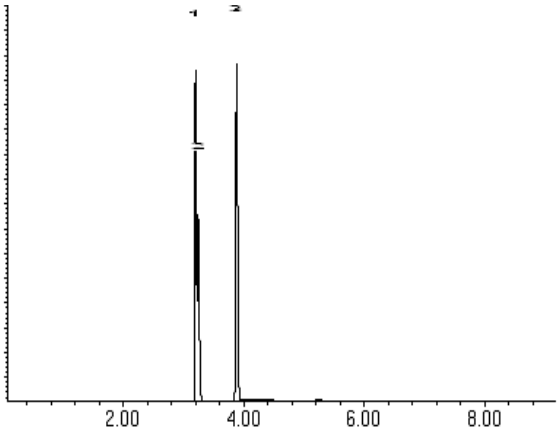
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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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

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0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

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Manufacturing Notes:

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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.: 410-169938-1

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	410-169938-1	97	112	104	89
HD-COD-SW-7-0/1-0	410-169938-2	98	111	97	89
HD-COD-SW-8-0/1-0	410-169938-3	99	111	100	89
HD-COD-SW-9-0/1-0	410-169938-4	101	112	98	89
HD-COD-SW-13-0/1-0	410-169938-5	98	107	107	87
HD-COD-SW-15-0/1-0	410-169938-6	97	103	102	98
HD-COD-SW-16-0/1-0	410-169938-7	96	102	103	97
HD-COD-SW-17-0/1-0	410-169938-8	99	105	99	95
HD-COD-SW-17-0/1-0 DL	410-169938-8 DL	98	103	102	97
HD-COD-SW-26-0/1-0	410-169938-9	97	105	102	96
HD-COD-SW-27-0/1-0	410-169938-10	97	102	103	97
HD-COD-SW-28-0/1-0	410-169938-11	97	103	103	98
HD-COD-SW-29-0/1-0	410-169938-12	97	101	103	97
HD-QC1-0/1-1	410-169938-13	98	104	99	95
HD-QC1-0/1-1 DL	410-169938-13 DL	98	103	102	97
HD-QC1-0/1-2	410-169938-14	96	102	102	97
	MB 410-503852/6	93	102	100	89
	MB 410-504341/6	96	101	102	95
	LCS 410-503852/7	93	106	103	99
	LCS 410-504341/4	96	100	104	101
HD-COD-SW-15-0/1-0 MS MS	410-169938-6 MS	97	101	105	103
HD-COD-SW-15-0/1-0 MSD MSD	410-169938-6 MSD	96	101	104	102

	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.: 410-169938-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HY08X06.D

Lab ID: LCS 410-503852/7 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.86	97	71-134	
1,1,1-Trichloroethane	5.00	4.35	87	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.19	104	75-123	
1,1,2-Trichloroethane	5.00	5.62	112	80-120	
1,1-Dichloroethane	5.00	5.33	107	74-120	
1,1-Dichloroethene	5.00	4.44	89	80-131	
1,2-Dibromoethane (EDB)	5.00	5.33	107	80-120	
1,2-Dichloroethane	5.00	4.70	94	69-122	
1,2-Dichloropropane	5.00	5.78	116	80-120	
2-Butanone (MEK)	62.5	84.4	135	59-141	
2-Hexanone	62.5	70.3	112	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	69.0	110	55-140	
Acetone	62.5	61.8	99	60-146	
Benzene	5.00	5.28	106	80-120	
Bromochloromethane	5.00	5.38	108	80-120	
Bromodichloromethane	5.00	5.21	104	73-124	
Bromoform	5.00	4.89	98	49-144	
Bromomethane	5.00	3.90	78	60-136	
Carbon disulfide	5.00	4.58	92	67-130	
Carbon tetrachloride	5.00	4.77	95	64-141	
Chlorobenzene	5.00	5.26	105	80-120	
Chloroethane	5.00	4.40	88	63-120	
Chloroform	5.00	4.97	99	80-120	
Chloromethane	5.00	3.32	66	56-124	
cis-1,2-Dichloroethene	5.00	5.01	100	80-122	
cis-1,3-Dichloropropene	5.00	4.89	98	67-121	
Dibromochloromethane	5.00	5.17	103	64-138	
Ethylbenzene	5.00	4.87	97	80-120	
Methyl tert-butyl ether	5.00	4.47	89	69-120	
Methylene Chloride	5.00	4.90	98	80-120	
Styrene	5.00	5.01	100	80-120	
Tetrachloroethene	5.00	4.91	98	80-120	
Toluene	5.00	5.16	103	80-120	
trans-1,2-Dichloroethene	5.00	4.73	95	80-122	
trans-1,3-Dichloropropene	5.00	5.12	102	61-129	
Trichloroethene	5.00	4.65	93	80-120	
Vinyl chloride	5.00	3.36	67	60-125	
Xylenes, Total	15.0	14.8	99	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.: 410-169938-1

SDG No.:

Matrix: Water Level: Low Lab File ID: GY09X33.D

Lab ID: LCS 410-504341/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.34	107	71-134	
1,1,1-Trichloroethane	5.00	5.25	105	78-126	
1,1,2,2-Tetrachloroethane	5.00	6.19	124	75-123	*+
1,1,2-Trichloroethane	5.00	5.92	118	80-120	
1,1-Dichloroethane	5.00	5.77	115	74-120	
1,1-Dichloroethene	5.00	5.40	108	80-131	
1,2-Dibromoethane (EDB)	5.00	5.78	116	80-120	
1,2-Dichloroethane	5.00	5.20	104	69-122	
1,2-Dichloropropane	5.00	6.01	120	80-120	
2-Butanone (MEK)	62.5	78.3	125	59-141	
2-Hexanone	62.5	84.6	135	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	79.0	126	55-140	
Acetone	62.5	67.1	107	60-146	
Benzene	5.00	5.66	113	80-120	
Bromochloromethane	5.00	5.46	109	80-120	
Bromodichloromethane	5.00	5.48	110	73-124	
Bromoform	5.00	5.17	103	49-144	
Bromomethane	5.00	4.26	85	60-136	
Carbon disulfide	5.00	5.32	106	67-130	
Carbon tetrachloride	5.00	5.17	103	64-141	
Chlorobenzene	5.00	5.48	110	80-120	
Chloroethane	5.00	5.05	101	63-120	
Chloroform	5.00	5.35	107	80-120	
Chloromethane	5.00	4.59	92	56-124	
cis-1,2-Dichloroethene	5.00	5.33	107	80-122	
cis-1,3-Dichloropropene	5.00	5.32	106	67-121	
Dibromochloromethane	5.00	5.35	107	64-138	
Ethylbenzene	5.00	5.51	110	80-120	
Methyl tert-butyl ether	5.00	5.16	103	69-120	
Methylene Chloride	5.00	5.70	114	80-120	
Styrene	5.00	5.41	108	80-120	
Tetrachloroethene	5.00	5.13	103	80-120	
Toluene	5.00	5.58	112	80-120	
trans-1,2-Dichloroethene	5.00	5.28	106	80-122	
trans-1,3-Dichloropropene	5.00	5.87	117	61-129	
Trichloroethene	5.00	5.35	107	80-120	
Vinyl chloride	5.00	4.62	92	60-125	
Xylenes, Total	15.0	15.8	106	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.: 410-169938-1

SDG No.:

Matrix: Water Level: Low Lab File ID: GY09X43.D

Lab ID: 410-169938-6 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	6.09	122	71-134	
1,1,1-Trichloroethane	5.00	0.30 J	6.63	126	78-126	
1,1,2,2-Tetrachloroethane	5.00	ND	6.65	133	75-123	FH
1,1,2-Trichloroethane	5.00	ND	6.56	131	80-120	FH
1,1-Dichloroethane	5.00	0.13 J	6.92	136	74-120	FH
1,1-Dichloroethene	5.00	0.19 J	6.89	134	80-131	FH
1,2-Dibromoethane (EDB)	5.00	ND	6.34	127	80-120	FH
1,2-Dichloroethane	5.00	ND	6.09	122	69-122	
1,2-Dichloropropane	5.00	ND	6.93	138	80-120	FH
2-Butanone (MEK)	62.6	ND	76.8	123	59-141	
2-Hexanone	62.6	ND	83.7	134	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	ND	78.0	125	55-140	
Acetone	62.6	ND	65.7	105	60-146	
Benzene	5.00	ND	6.62	132	80-120	FH
Bromochloromethane	5.00	ND	6.15	123	80-120	FH
Bromodichloromethane	5.00	ND	6.27	125	73-124	FH
Bromoform	5.00	ND	5.66	113	49-144	
Bromomethane	5.00	ND	5.22	104	60-136	
Carbon disulfide	5.00	ND	6.67	133	67-130	FH
Carbon tetrachloride	5.00	ND	6.34	127	64-141	
Chlorobenzene	5.00	ND	6.35	127	80-120	FH
Chloroethane	5.00	ND	6.28	125	63-120	FH
Chloroform	5.00	0.21 J	6.40	124	80-120	FH
Chloromethane	5.00	0.13 J	5.95	116	80-120	
cis-1,2-Dichloroethene	5.00	0.97	7.25	126	80-122	FH
cis-1,3-Dichloropropene	5.00	ND	6.17	123	67-121	FH
Dibromochloromethane	5.00	ND	6.11	122	64-138	
Ethylbenzene	5.00	ND	6.58	131	80-120	FH
Methyl tert-butyl ether	5.00	ND	5.68	113	69-120	
Methylene Chloride	5.00	ND	6.50	130	80-120	FH
Styrene	5.00	ND	6.21	124	80-120	FH
Tetrachloroethene	5.00	5.3	12.3	140	80-120	FH
Toluene	5.00	ND	6.56	131	80-120	FH
trans-1,2-Dichloroethene	5.00	ND	6.39	128	80-122	FH
trans-1,3-Dichloropropene	5.00	ND	6.70	134	61-129	FH
Trichloroethene	5.00	1.1	7.59	129	80-120	FH
Vinyl chloride	5.00	ND	5.98	119	60-125	
Xylenes, Total	15.0	ND	18.7	124	80-120	FH

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.: 410-169938-1

SDG No.:

Matrix: Water Level: Low Lab File ID: GY09X44.D

Lab ID: 410-169938-6 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	5.33	106	13	30	71-134	
1,1,1-Trichloroethane	5.00	5.82	110	13	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.91	118	12	30	75-123	
1,1,2-Trichloroethane	5.00	5.70	114	14	30	80-120	
1,1-Dichloroethane	5.00	6.03	118	14	30	74-120	
1,1-Dichloroethene	5.00	6.01	116	14	30	80-131	
1,2-Dibromoethane (EDB)	5.00	5.56	111	13	30	80-120	
1,2-Dichloroethane	5.00	5.33	107	13	30	69-122	
1,2-Dichloropropane	5.00	6.05	121	13	30	80-120	FH
2-Butanone (MEK)	62.6	70.1	112	9	30	59-141	
2-Hexanone	62.6	76.7	123	9	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	70.9	113	9	30	55-140	
Acetone	62.6	59.1	94	11	30	60-146	
Benzene	5.00	5.80	116	13	30	80-120	
Bromochloromethane	5.00	5.37	107	14	30	80-120	
Bromodichloromethane	5.00	5.50	110	13	30	73-124	
Bromoform	5.00	4.94	99	14	30	49-144	
Bromomethane	5.00	4.65	93	12	30	60-136	
Carbon disulfide	5.00	5.83	116	14	30	67-130	
Carbon tetrachloride	5.00	5.58	111	13	30	64-141	
Chlorobenzene	5.00	5.53	111	14	30	80-120	
Chloroethane	5.00	5.53	111	13	30	63-120	
Chloroform	5.00	5.56	107	14	30	80-120	
Chloromethane	5.00	5.31	104	11	30	80-120	
cis-1,2-Dichloroethene	5.00	6.37	108	13	30	80-122	
cis-1,3-Dichloropropene	5.00	5.39	108	13	30	67-121	
Dibromochloromethane	5.00	5.30	106	14	30	64-138	
Ethylbenzene	5.00	5.75	115	13	30	80-120	
Methyl tert-butyl ether	5.00	5.05	101	12	30	69-120	
Methylene Chloride	5.00	5.66	113	14	30	80-120	
Styrene	5.00	5.48	109	13	30	80-120	
Tetrachloroethene	5.00	10.7	108	14	30	80-120	
Toluene	5.00	5.76	115	13	30	80-120	
trans-1,2-Dichloroethene	5.00	5.52	110	15	30	80-122	
trans-1,3-Dichloropropene	5.00	5.89	118	13	30	61-129	
Trichloroethene	5.00	6.64	110	13	30	80-120	
Vinyl chloride	5.00	5.40	108	10	30	60-125	
Xylenes, Total	15.0	16.3	109	14	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.: 410-169938-1

SDG No.:

Lab File ID: HY08X05.D Lab Sample ID: MB 410-503852/6

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

Instrument ID: 19094 Date Analyzed: 05/08/2024 21:45

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 410-503852/7	HY08X06.D	05/08/2024 22:05
HD-COD-SW-6-0/1-0	410-169938-1	HY08X09.D	05/08/2024 23:09
HD-COD-SW-7-0/1-0	410-169938-2	HY08X10.D	05/08/2024 23:29
HD-COD-SW-8-0/1-0	410-169938-3	HY08X11.D	05/08/2024 23:50
HD-COD-SW-9-0/1-0	410-169938-4	HY08X12.D	05/09/2024 00:10
HD-COD-SW-13-0/1-0	410-169938-5	HY08X13.D	05/09/2024 00:30

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Lab File ID: GY09X35.D Lab Sample ID: MB 410-504341/6

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

Instrument ID: 16334 Date Analyzed: 05/09/2024 19:18

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 410-504341/4	GY09X33.D	05/09/2024 18:34
HD-QC1-0/1-2	410-169938-14	GY09X36.D	05/09/2024 19:40
HD-COD-SW-15-0/1-0	410-169938-6	GY09X42.D	05/09/2024 21:53
HD-COD-SW-15-0/1-0 MS MS	410-169938-6 MS	GY09X43.D	05/09/2024 22:14
HD-COD-SW-15-0/1-0 MSD MSD	410-169938-6 MSD	GY09X44.D	05/09/2024 22:37
HD-COD-SW-16-0/1-0	410-169938-7	GY09X48.D	05/10/2024 00:09
HD-COD-SW-26-0/1-0	410-169938-9	GY09X49.D	05/10/2024 00:31
HD-COD-SW-27-0/1-0	410-169938-10	GY09X50.D	05/10/2024 00:53
HD-COD-SW-28-0/1-0	410-169938-11	GY09X51.D	05/10/2024 01:15
HD-COD-SW-29-0/1-0	410-169938-12	GY09X52.D	05/10/2024 01:37
HD-COD-SW-17-0/1-0	410-169938-8	GY09X57.D	05/10/2024 03:27
HD-COD-SW-17-0/1-0 DL	410-169938-8 DL	GY09X58.D	05/10/2024 03:49
HD-QC1-0/1-1	410-169938-13	GY09X59.D	05/10/2024 04:11
HD-QC1-0/1-1 DL	410-169938-13 DL	GY09X60.D	05/10/2024 04:33

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

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.: 410-169938-1

SDG No.:

Lab File ID: GY09T31.D BFB Injection Date: 05/09/2024

Instrument ID: 16334 BFB Injection Time: 17:32

Analysis Batch No.: 504341

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.7	
75	30.0 - 60.0 % of mass 95	49.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	86.7	
175	5.0 - 9.0 % of mass 174	6.7	(7.8) 1
176	95.0 - 101.0 % of mass 174	84.0	(96.9) 1
177	5.0 - 9.0 % of mass 176	5.5	(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 410-504341/3	GY09X32.D	05/09/2024	18:12
	LCS 410-504341/4	GY09X33.D	05/09/2024	18:34
	MB 410-504341/6	GY09X35.D	05/09/2024	19:18
HD-QC1-0/1-2	410-169938-14	GY09X36.D	05/09/2024	19:40
HD-COD-SW-15-0/1-0	410-169938-6	GY09X42.D	05/09/2024	21:53
HD-COD-SW-15-0/1-0 MS MS	410-169938-6 MS	GY09X43.D	05/09/2024	22:14
HD-COD-SW-15-0/1-0 MSD MSD	410-169938-6 MSD	GY09X44.D	05/09/2024	22:37
HD-COD-SW-16-0/1-0	410-169938-7	GY09X48.D	05/10/2024	0:09
HD-COD-SW-26-0/1-0	410-169938-9	GY09X49.D	05/10/2024	0:31
HD-COD-SW-27-0/1-0	410-169938-10	GY09X50.D	05/10/2024	0:53
HD-COD-SW-28-0/1-0	410-169938-11	GY09X51.D	05/10/2024	1:15
HD-COD-SW-29-0/1-0	410-169938-12	GY09X52.D	05/10/2024	1:37
HD-COD-SW-17-0/1-0	410-169938-8	GY09X57.D	05/10/2024	3:27
HD-COD-SW-17-0/1-0 DL	410-169938-8 DL	GY09X58.D	05/10/2024	3:49
HD-QC1-0/1-1	410-169938-13	GY09X59.D	05/10/2024	4:11
HD-QC1-0/1-1 DL	410-169938-13 DL	GY09X60.D	05/10/2024	4:33

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Lab File ID: HO16T01.D BFB Injection Date: 10/17/2023

Instrument ID: 19094 BFB Injection Time: 03:41

Analysis Batch No.: 431955

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	49.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.8	(0.9) 1
174	Greater than 50% of mass 95	87.6	
175	5.0 - 9.0 % of mass 174	6.5	(7.4) 1
176	95.0 - 101.0 % of mass 174	86.7	(99.0) 1
177	5.0 - 9.0 % of mass 176	5.8	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-431955/3	HO16X02.D	10/17/2023	4:22
	IC 410-431955/4	HO16X03.D	10/17/2023	4:42
	IC 410-431955/5	HO16X04.D	10/17/2023	5:02
	IC 410-431955/6	HO16X05.D	10/17/2023	5:22
	IC 410-431955/7	HO16X06.D	10/17/2023	5:42
	IC 410-431955/8	HO16X07.D	10/17/2023	6:02
	IC 410-431955/9	HO16X08.D	10/17/2023	6:22
	IC 410-431955/13	HO16X12.D	10/17/2023	7:43
	IC 410-431955/14	HO16X13.D	10/17/2023	8:03
	IC 410-431955/15	HO16X14.D	10/17/2023	8:23
	IC 410-431955/16	HO16X15.D	10/17/2023	8:43
	IC 410-431955/17	HO16X16.D	10/17/2023	9:03
	ICIS 410-431955/18	HO16X17.D	10/17/2023	9:23
	IC 410-431955/19	HO16X18.D	10/17/2023	9:43
	ICV 410-431955/21	HO16X20.D	10/17/2023	10:24

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Lab File ID: HY08T01.D BFB Injection Date: 05/08/2024

Instrument ID: 19094 BFB Injection Time: 20:11

Analysis Batch No.: 503852

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.3	
75	30.0 - 60.0 % of mass 95	47.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	1.3	(1.5) 1
174	Greater than 50% of mass 95	90.5	
175	5.0 - 9.0 % of mass 174	7.1	(7.8) 1
176	95.0 - 101.0 % of mass 174	89.0	(98.4) 1
177	5.0 - 9.0 % of mass 176	5.7	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-503852/3	HY08X02.D	05/08/2024	20:44
	MB 410-503852/6	HY08X05.D	05/08/2024	21:45
	LCS 410-503852/7	HY08X06.D	05/08/2024	22:05
HD-COD-SW-6-0/1-0	410-169938-1	HY08X09.D	05/08/2024	23:09
HD-COD-SW-7-0/1-0	410-169938-2	HY08X10.D	05/08/2024	23:29
HD-COD-SW-8-0/1-0	410-169938-3	HY08X11.D	05/08/2024	23:50
HD-COD-SW-9-0/1-0	410-169938-4	HY08X12.D	05/09/2024	0:10
HD-COD-SW-13-0/1-0	410-169938-5	HY08X13.D	05/09/2024	0:30

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

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 410-504341/3		134034	3.98	2901713	7.44	2110675	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.: 410-169938-1

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 410-504341/3		1181063	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.: 410-169938-1

SDG No.:

Sample No.: CCVIS 410-504341/3 Date Analyzed: 05/09/2024 18:12

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

Lab File ID (Standard): GY09X32.D Heated Purge: (Y/N) N

Calibration ID: 59046

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		134034	3.98	2901713	7.44	2110675	10.96
UPPER LIMIT		268068	4.48	5803426	7.94	4221350	11.46
LOWER LIMIT		67017	3.48	1450857	6.94	1055338	10.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-504341/4		116540	3.99	2582283	7.45	1870591	10.97
MB 410-504341/6		106942	3.97	2393498	7.44	1739911	10.96
410-169938-14	HD-QC1-0/1-2	129079	4.00	2740955	7.45	2003283	10.96
410-169938-6	HD-COD-SW-15-0/1-0	127555	3.98	2793240	7.44	2039924	10.96
410-169938-6 MS	HD-COD-SW-15-0/1-0 MS MS	124545	3.98	2537469	7.45	1823377	10.97
410-169938-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	140726	3.98	2953633	7.45	2135424	10.96
410-169938-7	HD-COD-SW-16-0/1-0	132470	4.01	2799111	7.44	2044448	10.96
410-169938-9	HD-COD-SW-26-0/1-0	106760	4.00	2203713	7.45	1601165	10.96
410-169938-10	HD-COD-SW-27-0/1-0	129103	4.00	2757843	7.45	2004416	10.96
410-169938-11	HD-COD-SW-28-0/1-0	117916	4.00	2580375	7.44	1876518	10.96
410-169938-12	HD-COD-SW-29-0/1-0	122553	4.00	2685176	7.45	1962362	10.96
410-169938-8	HD-COD-SW-17-0/1-0	105451	4.01	2256776	7.45	1687249	10.97
410-169938-8 DL	HD-COD-SW-17-0/1-0 DL	122981	3.99	2678427	7.45	1973412	10.96
410-169938-13	HD-QC1-0/1-1	109292	4.00	2246080	7.45	1685048	10.96
410-169938-13 DL	HD-QC1-0/1-1 DL	119404	3.98	2609419	7.45	1923678	10.96

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.: 410-169938-1

SDG No.:

Sample No.: CCVIS 410-504341/3 Date Analyzed: 05/09/2024 18:12

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

Lab File ID (Standard): GY09X32.D Heated Purge: (Y/N) N

Calibration ID: 59046

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		1181063	12.85				
UPPER LIMIT		2362126	13.35				
LOWER LIMIT		590532	12.35				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-504341/4		1018632	12.85				
MB 410-504341/6		877522	12.85				
410-169938-14	HD-QC1-0/1-2	1033253	12.85				
410-169938-6	HD-COD-SW-15-0/1-0	1057381	12.85				
410-169938-6 MS	HD-COD-SW-15-0/1-0 MS MS	1005370	12.85				
410-169938-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	1187769	12.85				
410-169938-7	HD-COD-SW-16-0/1-0	1052724	12.85				
410-169938-9	HD-COD-SW-26-0/1-0	814872	12.85				
410-169938-10	HD-COD-SW-27-0/1-0	1042301	12.85				
410-169938-11	HD-COD-SW-28-0/1-0	958172	12.85				
410-169938-12	HD-COD-SW-29-0/1-0	1000835	12.85				
410-169938-8	HD-COD-SW-17-0/1-0	852177	12.85				
410-169938-8 DL	HD-COD-SW-17-0/1-0 DL	1028584	12.85				
410-169938-13	HD-QC1-0/1-1	842002	12.85				
410-169938-13 DL	HD-QC1-0/1-1 DL	979195	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.: 410-169938-1

SDG No.:

Sample No.: ICIS 410-431955/18 Date Analyzed: 10/17/2023 09:23

Instrument ID: 19094 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): HO16X17.D Heated Purge: (Y/N) N

Calibration ID: 54851

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		83963	4.00	1790766	7.51	1358954	11.05
UPPER LIMIT		167926	4.50	3581532	8.01	2717908	11.55
LOWER LIMIT		41982	3.50	895383	7.01	679477	10.55
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-431955/21		81596	3.99	1813311	7.51	1377945	11.05
CCVIS 410-503852/3		65441	4.00	1707237	7.49	1282243	11.04

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.: 410-169938-1

SDG No.:

Sample No.: ICIS 410-431955/18 Date Analyzed: 10/17/2023 09:23

Instrument ID: 19094 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): HO16X17.D Heated Purge: (Y/N) N

Calibration ID: 54851

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		773685	12.94				
UPPER LIMIT		1547370	13.44				
LOWER LIMIT		386843	12.44				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-431955/21		778640	12.94				
CCVIS 410-503852/3		737520	12.94				

DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Sample No.: CCVIS 410-503852/3 Date Analyzed: 05/08/2024 20:44

Instrument ID: 19094 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): HY08X02.D Heated Purge: (Y/N) N

Calibration ID: 54851

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		65441	4.00	1707237	7.49	1282243	11.04
UPPER LIMIT		130882	4.50	3414474	7.99	2564486	11.54
LOWER LIMIT		32721	3.50	853619	6.99	641122	10.54
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-503852/6		52627	4.00	1798770	7.50	1251466	11.04
LCS 410-503852/7		83040	4.01	1815671	7.49	1343840	11.04
410-169938-1	HD-COD-SW-6-0/1-0	81620	4.00	1712348	7.49	1287467	11.04
410-169938-2	HD-COD-SW-7-0/1-0	65008	4.00	1680474	7.49	1296210	11.04
410-169938-3	HD-COD-SW-8-0/1-0	69392	4.00	1654886	7.49	1221833	11.04
410-169938-4	HD-COD-SW-9-0/1-0	43807	3.98	1656955	7.49	1223726	11.04
410-169938-5	HD-COD-SW-13-0/1-0	66923	4.01	1603839	7.49	1261800	11.04

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.: 410-169938-1

SDG No.:

Sample No.: CCVIS 410-503852/3 Date Analyzed: 05/08/2024 20:44

Instrument ID: 19094 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): HY08X02.D Heated Purge: (Y/N) N

Calibration ID: 54851

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		737520	12.94				
UPPER LIMIT		1475040	13.44				
LOWER LIMIT		368760	12.44				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-503852/6		636308	12.95				
LCS 410-503852/7		795875	12.94				
410-169938-1	HD-COD-SW-6-0/1-0	651092	12.95				
410-169938-2	HD-COD-SW-7-0/1-0	675539	12.95				
410-169938-3	HD-COD-SW-8-0/1-0	616764	12.95				
410-169938-4	HD-COD-SW-9-0/1-0	641464	12.95				
410-169938-5	HD-COD-SW-13-0/1-0	622954	12.95				

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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-6-0/1-0
Lab Sample ID: 410-169938-1

Matrix: Water
Lab File ID: HY08X09.D

Analysis Method: 8260D
Date Collected: 04/29/2024 10:20

Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2024 23:09

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.: 503852
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	^c cn	0.50	0.10
78-93-3	2-Butanone (MEK)	ND	^c cn	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	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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-6-0/1-0
Lab Sample ID: 410-169938-1

Matrix: Water
Lab File ID: HY08X09.D

Analysis Method: 8260D
Date Collected: 04/29/2024 10:20

Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2024 23:09

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.: 503852
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)	112		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X09.D
Lims ID: 410-169938-A-1
Client ID: HD-COD-SW-6-0/1-0
Sample Type: Client
Inject. Date: 08-May-2024 23:09:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113421-010
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-May-2024 14:29:04 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: QD9U Date: 09-May-2024 14:29:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.062				ND	7
6 Vinyl chloride	62		2.166				ND	
9 Bromomethane	94		2.489				ND	
10 Chloroethane	64		2.562				ND	
17 1,1-Dichloroethene	96		3.373				ND	
19 Acetone	43	3.422	3.404	0.018	68	4881	0.9881	
23 Carbon disulfide	76		3.660				ND	7
27 Methylene Chloride	84		3.989				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	4.001	4.001	0.000	26	81620	50.0	
32 Methyl tert-butyl ether	73		4.379				ND	
33 trans-1,2-Dichloroethene	96		4.391				ND	
36 1,1-Dichloroethane	63		5.050				ND	
41 2-Butanone (MEK)	43		5.848				ND	
42 cis-1,2-Dichloroethene	96		5.885				ND	7
48 Chlorobromomethane	128		6.220				ND	
50 Chloroform	83		6.379				ND	7
$ 52 Dibromofluoromethane (Surr)	113	6.592	6.598	-0.006	93	422645	9.74	
53 1,1,1-Trichloroethane	97		6.604				ND	
56 Carbon tetrachloride	117		6.824				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.055	7.049	0.006	47	91432	11.2	
59 Benzene	78		7.086				ND	7
60 1,2-Dichloroethane	62		7.159				ND	
* 64 Fluorobenzene (IS)	96	7.494	7.494	0.000	99	1712348	10.0	
68 Trichloroethene	95		7.982				ND	7
70 1,2-Dichloropropane	63		8.311				ND	
76 Dichlorobromomethane	83		8.665				ND	
80 cis-1,3-Dichloropropene	75		9.232				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.409				ND	
$ 83 Toluene-d8 (Surr)	98	9.549	9.549	0.000	94	1769170	10.4	
84 Toluene	92	9.640	9.628	0.012	45	6374	0.0599	
85 trans-1,3-Dichloropropene	75		9.896				ND	
106 1,1,2-Trichloroethane	97		10.104				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166		10.195				ND	7
109 2-Hexanone	43		10.329				ND	
111 Chlorodibromomethane	129		10.494				ND	
112 Ethylene Dibromide	107		10.603				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	85	1287467	10.0	
115 Chlorobenzene	112		11.073				ND	
116 1,1,1,2-Tetrachloroethane	131		11.158				ND	
117 Ethylbenzene	91		11.158				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.280				ND	7
120 o-Xylene	106		11.609				ND	7
121 Styrene	104		11.628				ND	
122 Bromoform	173		11.786				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.061	12.060	0.001	93	569398	8.94	
127 1,1,2,2-Tetrachloroethane	83		12.158				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.951	12.944	0.007	94	651092	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

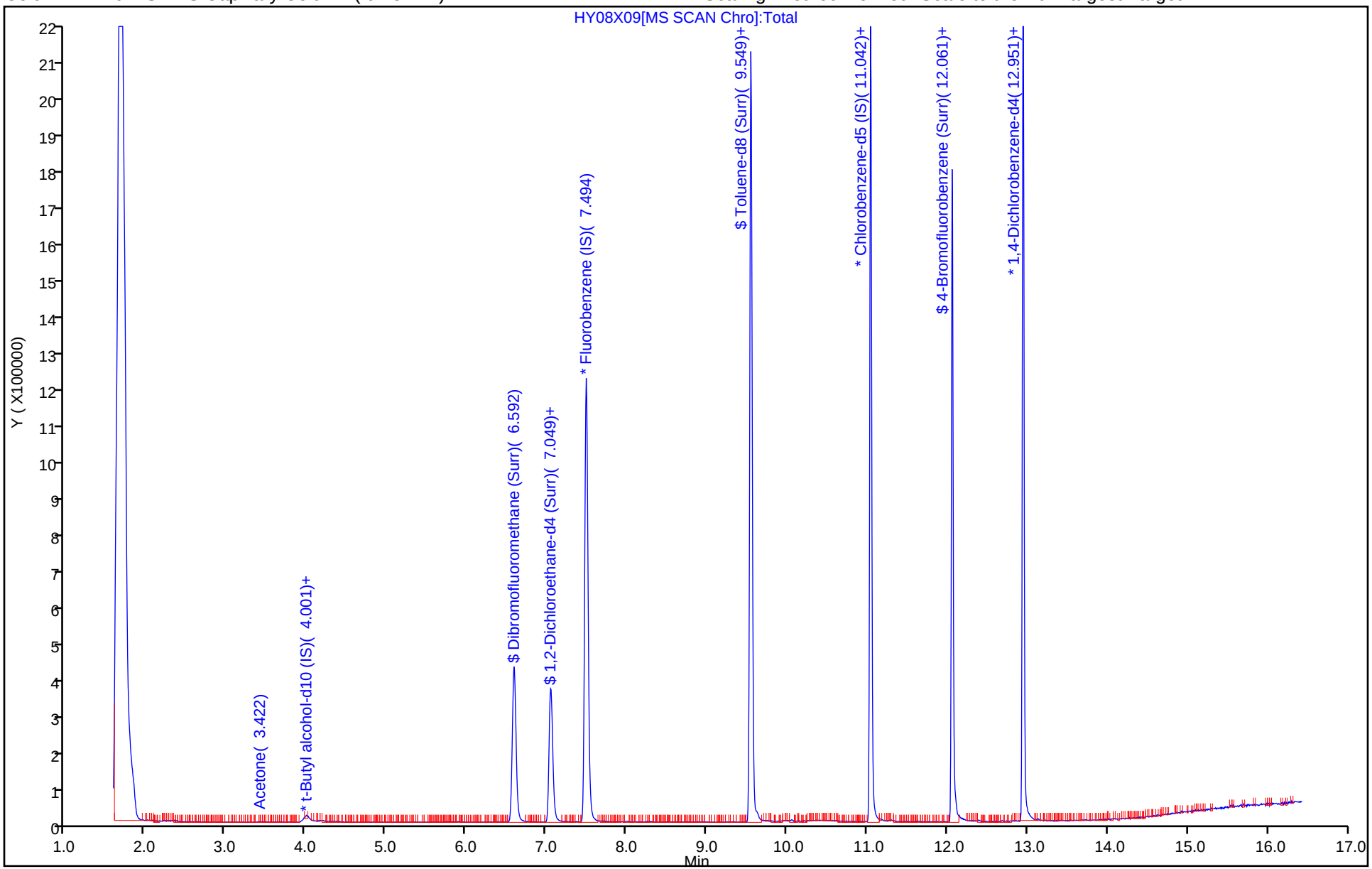
MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 09-May-2024 14:29:25 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X09.D				
Injection Date:	08-May-2024 23:09:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-169938-A-1	Lab Sample ID:	410-169938-1	Worklist Smp#:	10
Client ID:	HD-COD-SW-6-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSV_19094_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: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X09.D
Lims ID: 410-169938-A-1
Client ID: HD-COD-SW-6-0/1-0
Sample Type: Client
Inject. Date: 08-May-2024 23:09:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113421-010
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-May-2024 14:29:04 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: QD9U Date: 09-May-2024 14:29:25

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.74	97.42
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	11.2	111.79
$ 83 Toluene-d8 (Surr)	10.0	10.4	103.97
$ 126 4-Bromofluorobenzene (Surr)	10.0	8.94	89.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-7-0/1-0
Lab Sample ID: 410-169938-2

Matrix: Water
Lab File ID: HY08X10.D

Analysis Method: 8260D
Date Collected: 04/29/2024 11:00

Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2024 23:29

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.: 503852
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	^c cn	0.50	0.10
78-93-3	2-Butanone (MEK)	ND	^c cn	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	ND		0.50	0.090
74-87-3	Chloromethane	0.11	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.096	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	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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-7-0/1-0
Lab Sample ID: 410-169938-2

Matrix: Water
Lab File ID: HY08X10.D

Analysis Method: 8260D
Date Collected: 04/29/2024 11:00

Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2024 23:29

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.: 503852
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)	111		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		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\19094\20240508-113421.b\HY08X10.D
Lims ID: 410-169938-A-2
Client ID: HD-COD-SW-7-0/1-0
Sample Type: Client
Inject. Date: 08-May-2024 23:29:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113421-011
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-May-2024 14:30:12 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: QD9U Date: 09-May-2024 14:30:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.050	2.062	-0.012	96	6127	0.1124	
6 Vinyl chloride	62		2.166				ND	7
9 Bromomethane	94		2.489				ND	
10 Chloroethane	64		2.562				ND	
17 1,1-Dichloroethene	96		3.373				ND	
19 Acetone	43		3.404				ND	U
23 Carbon disulfide	76	3.654	3.660	-0.006	97	4483	0.0458	M
27 Methylene Chloride	84		3.989				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.995	4.001	-0.006	26	65008	50.0	
32 Methyl tert-butyl ether	73		4.379				ND	
33 trans-1,2-Dichloroethene	96		4.391				ND	
36 1,1-Dichloroethane	63		5.050				ND	
41 2-Butanone (MEK)	43		5.848				ND	
42 cis-1,2-Dichloroethene	96	5.885	5.885	0.000	74	4291	0.0958	
48 Chlorobromomethane	128		6.220				ND	
50 Chloroform	83	6.379	6.379	0.000	86	5028	0.0687	
$ 52 Dibromofluoromethane (Surr)	113	6.592	6.598	-0.006	94	416857	9.79	
53 1,1,1-Trichloroethane	97		6.604				ND	
56 Carbon tetrachloride	117		6.824				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.049	7.049	0.000	47	88823	11.1	
59 Benzene	78		7.086				ND	7
60 1,2-Dichloroethane	62		7.159				ND	
* 64 Fluorobenzene (IS)	96	7.488	7.494	-0.006	99	1680474	10.0	
68 Trichloroethene	95	7.982	7.982	0.000	96	5965	0.1319	
70 1,2-Dichloropropane	63		8.311				ND	
76 Dichlorobromomethane	83		8.665				ND	
80 cis-1,3-Dichloropropene	75		9.232				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.409				ND	
$ 83 Toluene-d8 (Surr)	98	9.549	9.549	0.000	93	1662886	9.71	
84 Toluene	92	9.634	9.628	0.006	33	4444	0.0415	
85 trans-1,3-Dichloropropene	75		9.896				ND	
106 1,1,2-Trichloroethane	97		10.104				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.201	10.195	0.006	93	3946	0.0771	
109 2-Hexanone	43		10.329				ND	
111 Chlorodibromomethane	129		10.494				ND	
112 Ethylene Dibromide	107		10.603				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	86	1296210	10.0	
115 Chlorobenzene	112		11.073				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.158				ND	
117 Ethylbenzene	91		11.158				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.280				ND	7
120 o-Xylene	106		11.609				ND	7
121 Styrene	104		11.628				ND	
122 Bromoform	173		11.786				ND	7
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	93	571334	8.91	
127 1,1,2,2-Tetrachloroethane	83		12.158				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.951	12.944	0.007	95	675539	10.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

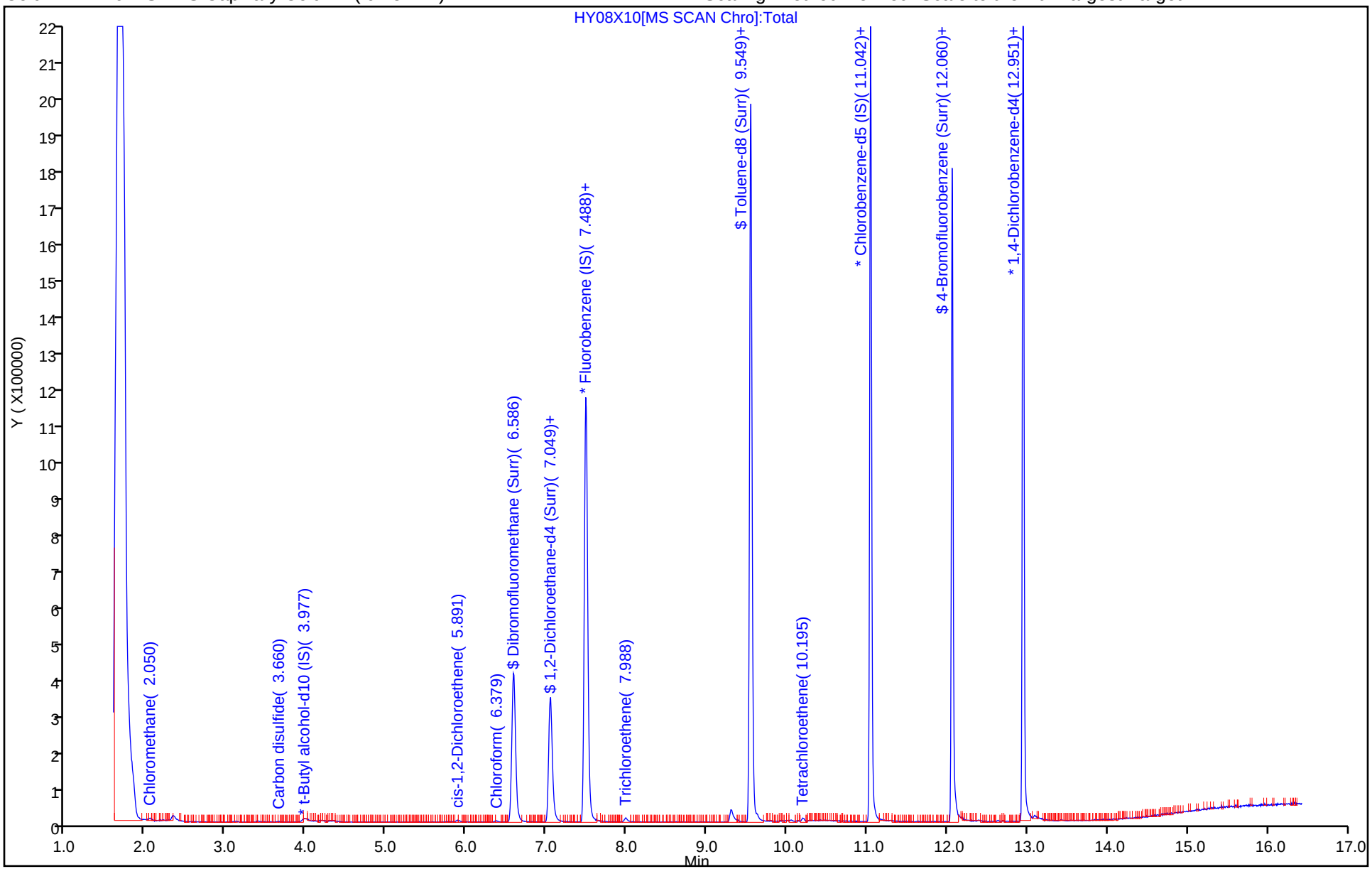
MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 09-May-2024 14:30:13 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X10.D				
Injection Date:	08-May-2024 23:29:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-169938-A-2	Lab Sample ID:	410-169938-2	Worklist Smp#:	11
Client ID:	HD-COD-SW-7-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSV_19094_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: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X10.D
Lims ID: 410-169938-A-2
Client ID: HD-COD-SW-7-0/1-0
Sample Type: Client
Inject. Date: 08-May-2024 23:29:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113421-011
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-May-2024 14:30:12 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: QD9U Date: 09-May-2024 14:30:12

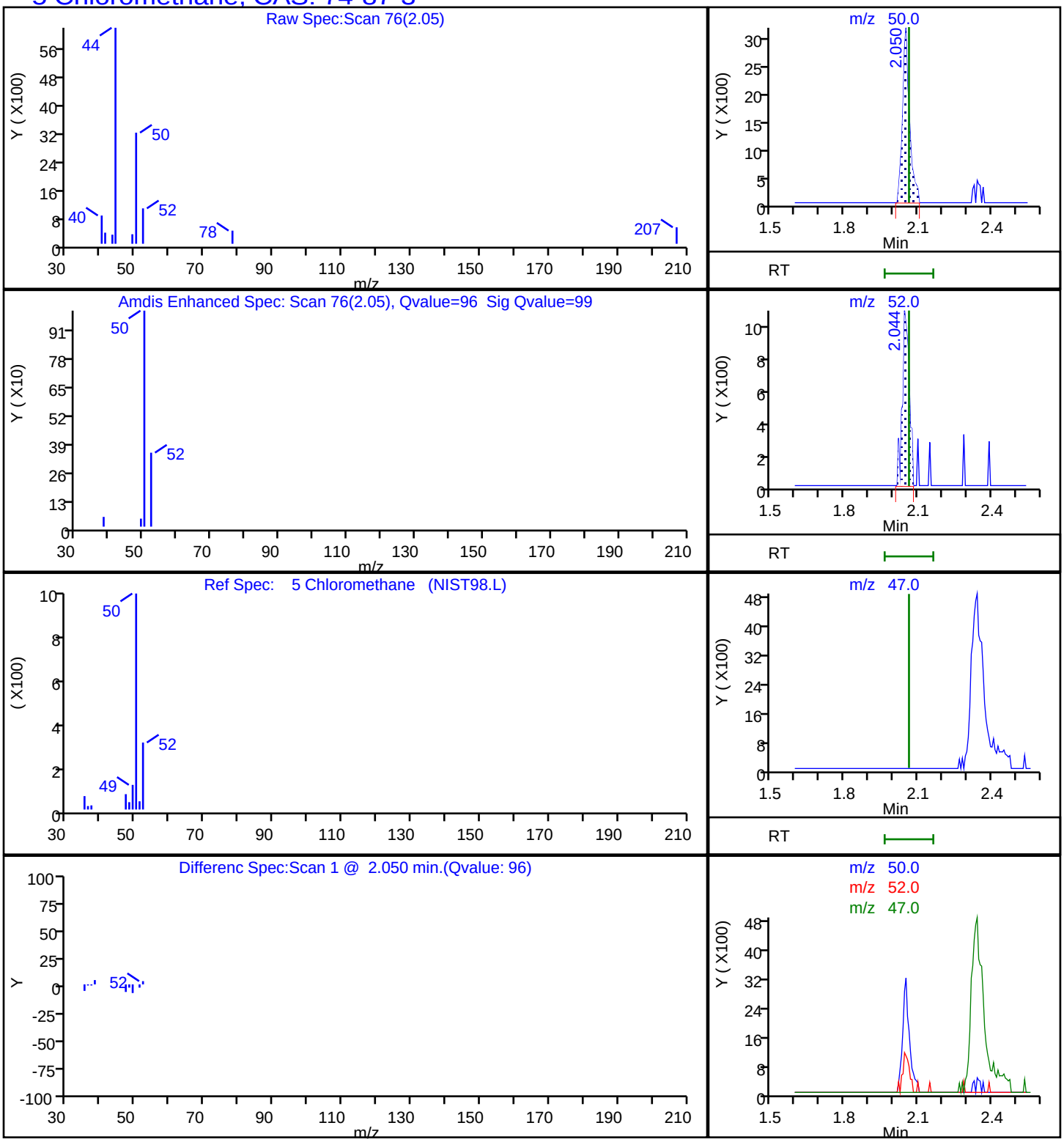
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.79	97.91
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	11.1	110.66
$ 83 Toluene-d8 (Surr)	10.0	9.71	97.06
$ 126 4-Bromofluorobenzene (Surr)	10.0	8.91	89.06

Report Date: 09-May-2024 14:30:13 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X10.D				
Injection Date:	08-May-2024 23:29:30	Instrument ID:	19094		
Lims ID:	410-169938-A-2	Lab Sample ID:	410-169938-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

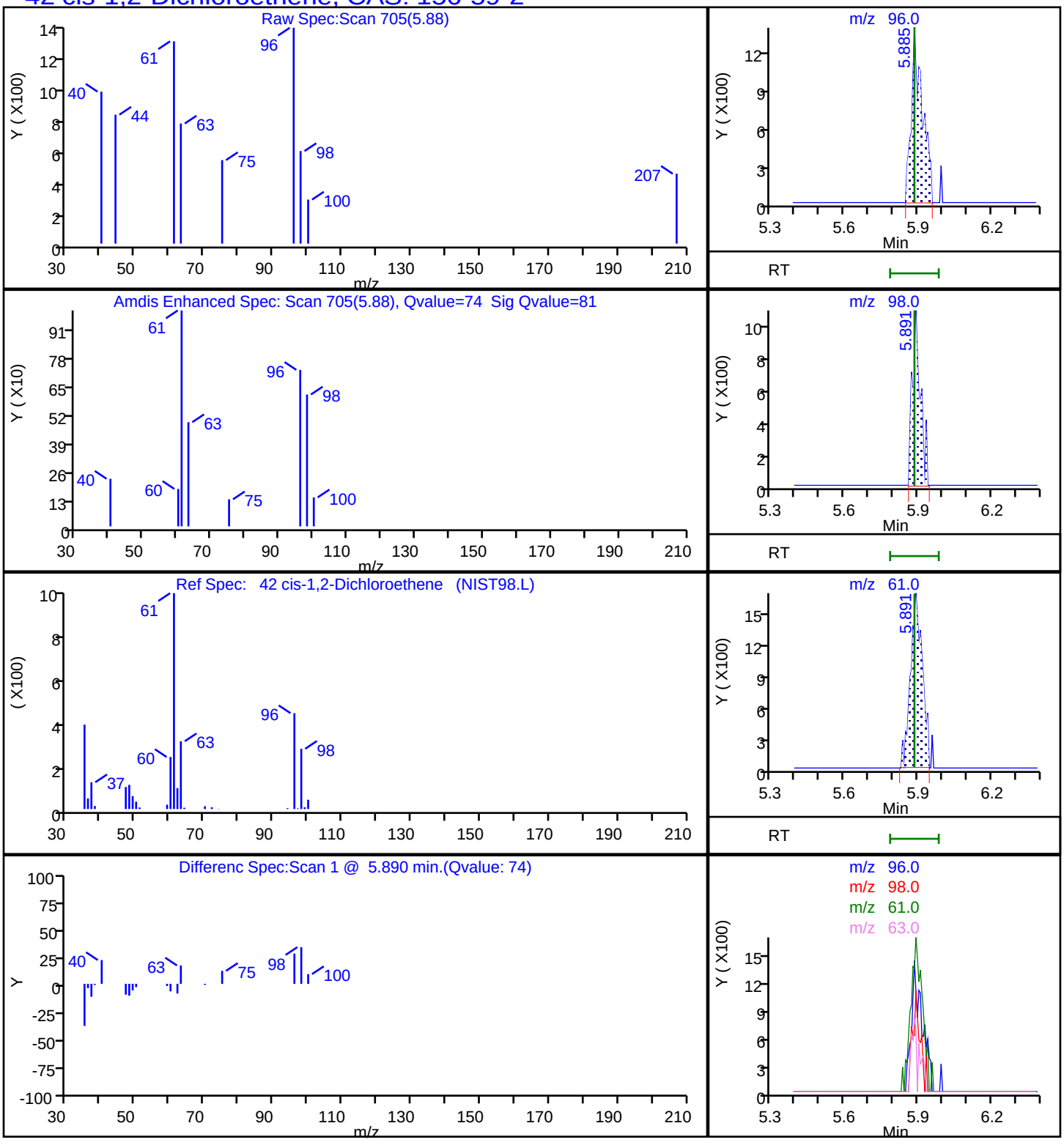
5 Chloromethane, CAS: 74-87-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X10.D				
Injection Date:	08-May-2024 23:29:30	Instrument ID:	19094		
Lims ID:	410-169938-A-2	Lab Sample ID:	410-169938-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

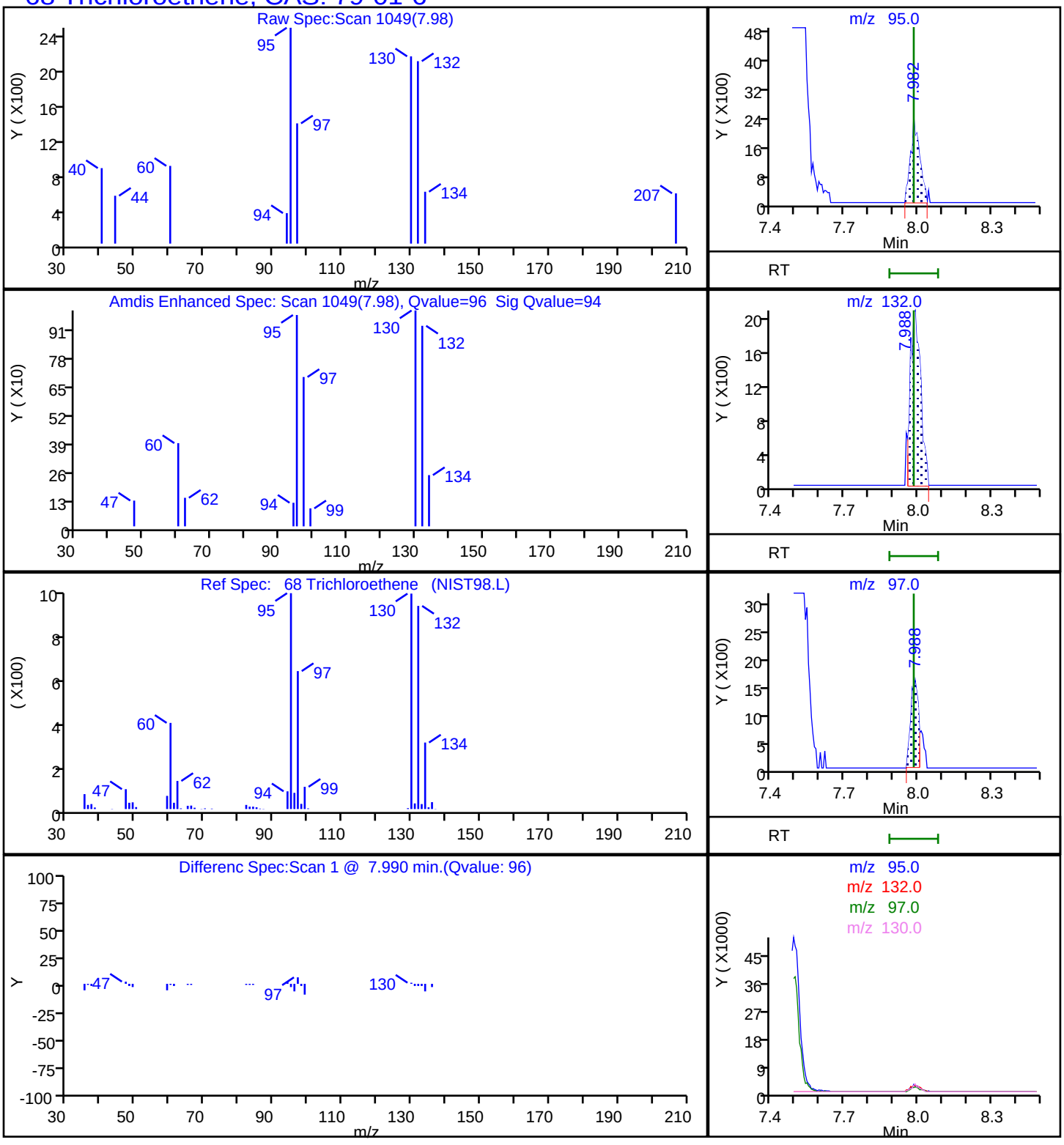


Report Date: 09-May-2024 14:30:13 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X10.D				
Injection Date:	08-May-2024 23:29:30	Instrument ID:	19094		
Lims ID:	410-169938-A-2	Lab Sample ID:	410-169938-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



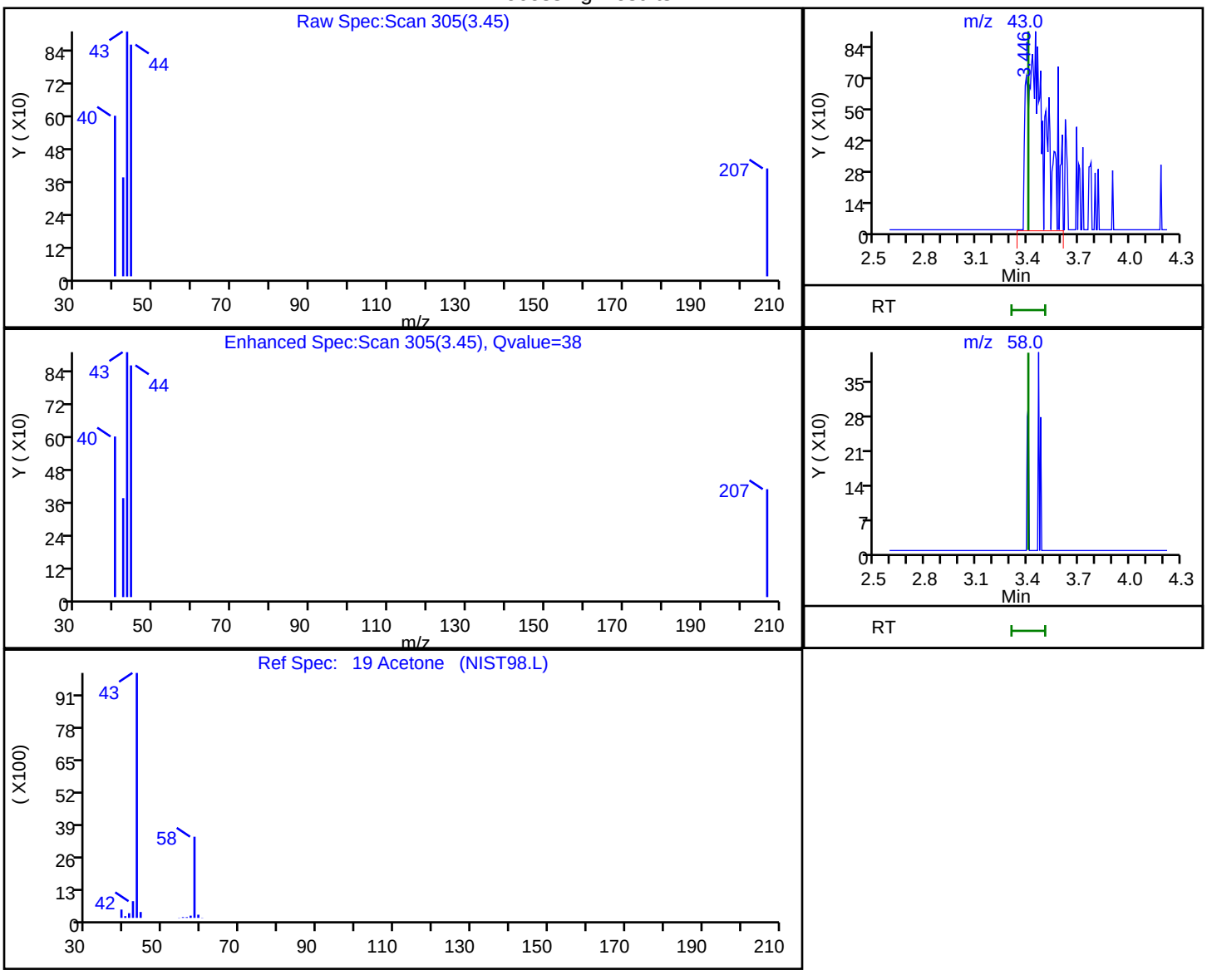
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X10.D				
Injection Date:	08-May-2024 23:29:30	Instrument ID:	19094		
Lims ID:	410-169938-A-2	Lab Sample ID:	410-169938-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.45	43.00	6719	1.707805
3.40	58.00	0	

Reviewer: QD9U, 09-May-2024 14:29:40 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

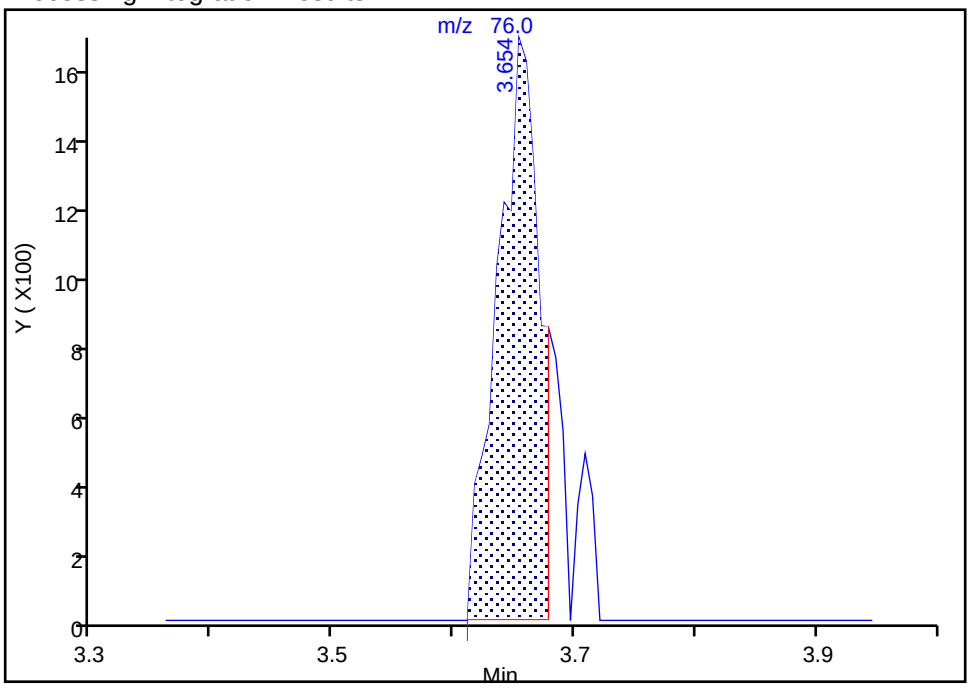
Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X10.D				
Injection Date:	08-May-2024 23:29:30	Instrument ID:	19094		
Lims ID:	410-169938-A-2	Lab Sample ID:	410-169938-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

23 Carbon disulfide, CAS: 75-15-0

Signal: 1

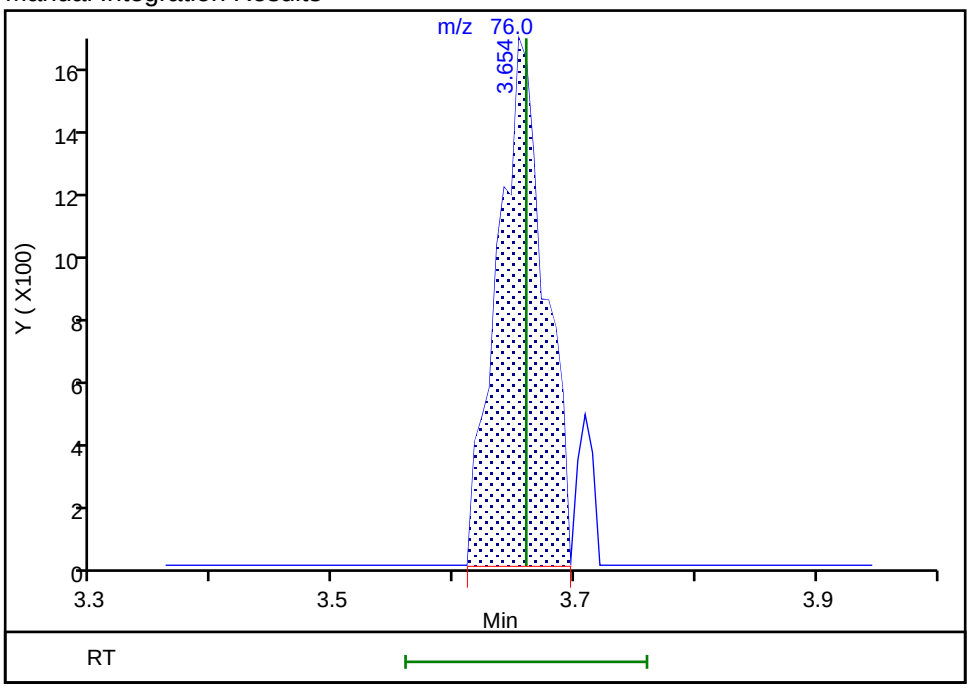
Processing Integration Results

RT: 3.65
Area: 4013
Amount: 0.041034
Amount Units: ug/l



Manual Integration Results

RT: 3.65
Area: 4483
Amount: 0.045840
Amount Units: ug/l



Reviewer: QD9U, 09-May-2024 14:29:51 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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-8-0/1-0
Lab Sample ID: 410-169938-3

Matrix: Water
Lab File ID: HY08X11.D

Analysis Method: 8260D
Date Collected: 04/29/2024 09:15

Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2024 23:50

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.: 503852
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	^c cn	0.50	0.10
78-93-3	2-Butanone (MEK)	ND	^c cn	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	1.6	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	0.51		0.50	0.20
108-88-3	Toluene	0.12	J	0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-8-0/1-0
Lab Sample ID: 410-169938-3

Matrix: Water
Lab File ID: HY08X11.D

Analysis Method: 8260D
Date Collected: 04/29/2024 09:15

Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2024 23:50

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.: 503852
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)	111		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X11.D
Lims ID: 410-169938-A-3
Client ID: HD-COD-SW-8-0/1-0
Sample Type: Client
Inject. Date: 08-May-2024 23:50:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113421-012
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-May-2024 14:31:09 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: QD9U Date: 09-May-2024 14:31:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.062	2.062	0.000	93	2705	0.0504	
6 Vinyl chloride	62		2.166				ND	7
9 Bromomethane	94		2.489				ND	
10 Chloroethane	64		2.562				ND	
17 1,1-Dichloroethene	96		3.373				ND	
19 Acetone	43	3.416	3.404	0.012	68	6771	1.61	
23 Carbon disulfide	76		3.660				ND	7
27 Methylene Chloride	84		3.989				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	4.001	4.001	0.000	25	69392	50.0	
32 Methyl tert-butyl ether	73		4.379				ND	
33 trans-1,2-Dichloroethene	96		4.391				ND	
36 1,1-Dichloroethane	63		5.050				ND	
41 2-Butanone (MEK)	43		5.848				ND	
42 cis-1,2-Dichloroethene	96	5.909	5.885	0.024	74	4912	0.1114	
48 Chlorobromomethane	128		6.220				ND	
50 Chloroform	83	6.379	6.379	0.000	86	3335	0.0463	
$ 52 Dibromofluoromethane (Surr)	113	6.592	6.598	-0.006	94	416709	9.94	
53 1,1,1-Trichloroethane	97		6.604				ND	U
56 Carbon tetrachloride	117		6.824				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.049	7.049	0.000	70	87550	11.1	
59 Benzene	78	7.080	7.086	-0.006	82	4364	0.0276	
60 1,2-Dichloroethane	62		7.159				ND	
* 64 Fluorobenzene (IS)	96	7.494	7.494	0.000	99	1654886	10.0	
68 Trichloroethene	95	7.994	7.982	0.012	90	5519	0.1239	M
70 1,2-Dichloropropane	63		8.311				ND	
76 Dichlorobromomethane	83		8.665				ND	
80 cis-1,3-Dichloropropene	75		9.232				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.409				ND	7
$ 83 Toluene-d8 (Surr)	98	9.549	9.549	0.000	93	1611333	9.98	
84 Toluene	92	9.634	9.628	0.006	96	12079	0.1197	
85 trans-1,3-Dichloropropene	75		9.896				ND	
106 1,1,2-Trichloroethane	97		10.104				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.201	10.195	0.006	97	24400	0.5061	
109 2-Hexanone	43		10.329				ND	
111 Chlorodibromomethane	129		10.494				ND	
112 Ethylene Dibromide	107		10.603				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	86	1221833	10.0	
115 Chlorobenzene	112		11.073				ND	
116 1,1,1,2-Tetrachloroethane	131		11.158				ND	
117 Ethylbenzene	91		11.158				ND	7
S 118 Xylenes, Total	106				0		0.0765	
119 m-Xylene & p-Xylene	106	11.292	11.280	0.012	98	5812	0.0765	
120 o-Xylene	106		11.609				ND	7
121 Styrene	104		11.628				ND	
122 Bromoform	173		11.786				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	93	539545	8.92	
127 1,1,2,2-Tetrachloroethane	83		12.158				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	94	616764	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

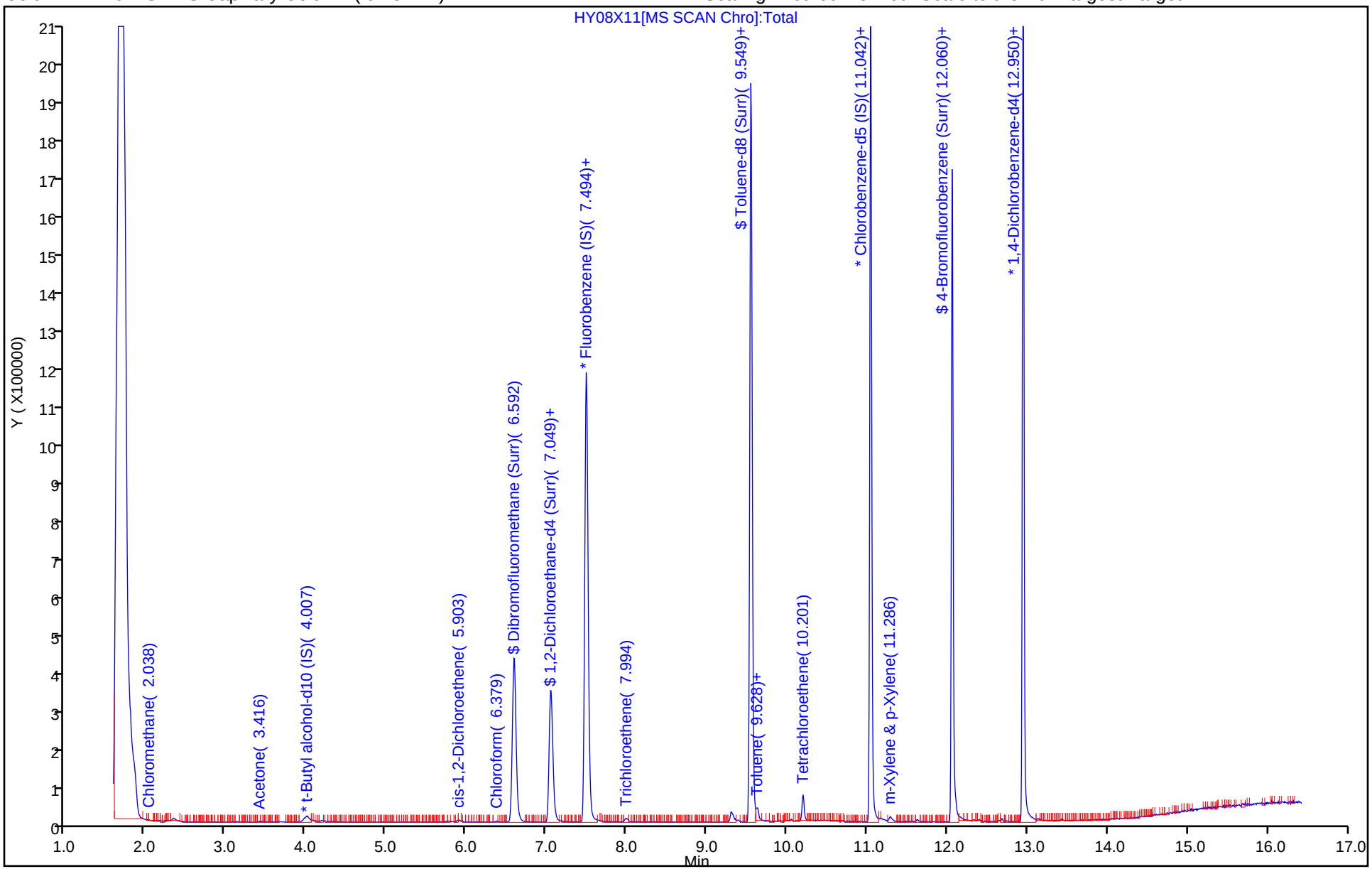
Report Date: 09-May-2024 14:31:09 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X11.D

Injection Date:	08-May-2024 23:50:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-169938-A-3	Lab Sample ID:	410-169938-3	Worklist Smp#:	12
Client ID:	HD-COD-SW-8-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSV_19094_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: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X11.D
Lims ID: 410-169938-A-3
Client ID: HD-COD-SW-8-0/1-0
Sample Type: Client
Inject. Date: 08-May-2024 23:50:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113421-012
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-May-2024 14:31:09 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1689

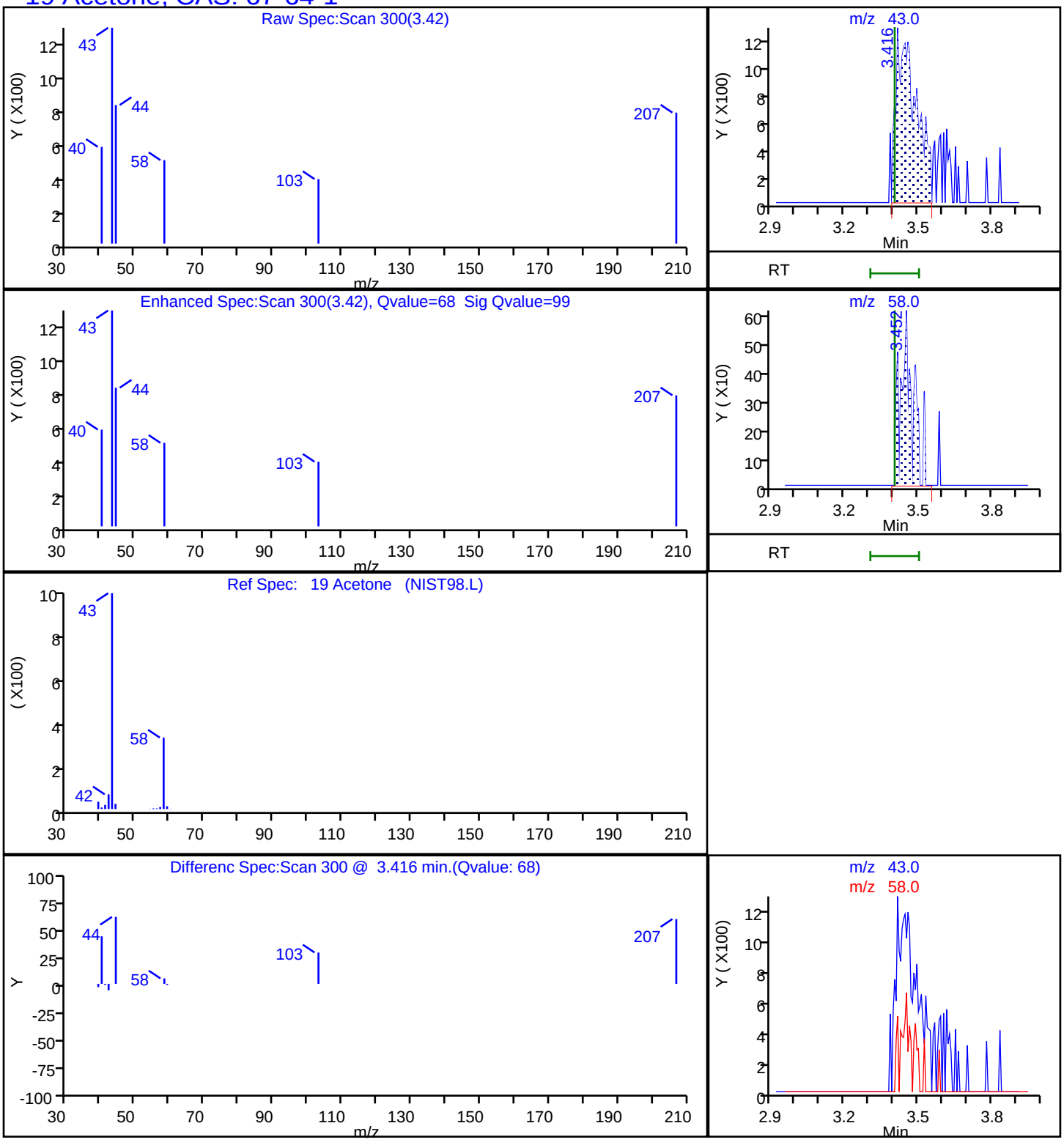
First Level Reviewer: QD9U Date: 09-May-2024 14:31:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.94	99.38
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	11.1	110.76
$ 83 Toluene-d8 (Surr)	10.0	9.98	99.78
$ 126 4-Bromofluorobenzene (Surr)	10.0	8.92	89.23

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X11.D				
Injection Date:	08-May-2024 23:50:30	Instrument ID:	19094		
Lims ID:	410-169938-A-3	Lab Sample ID:	410-169938-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

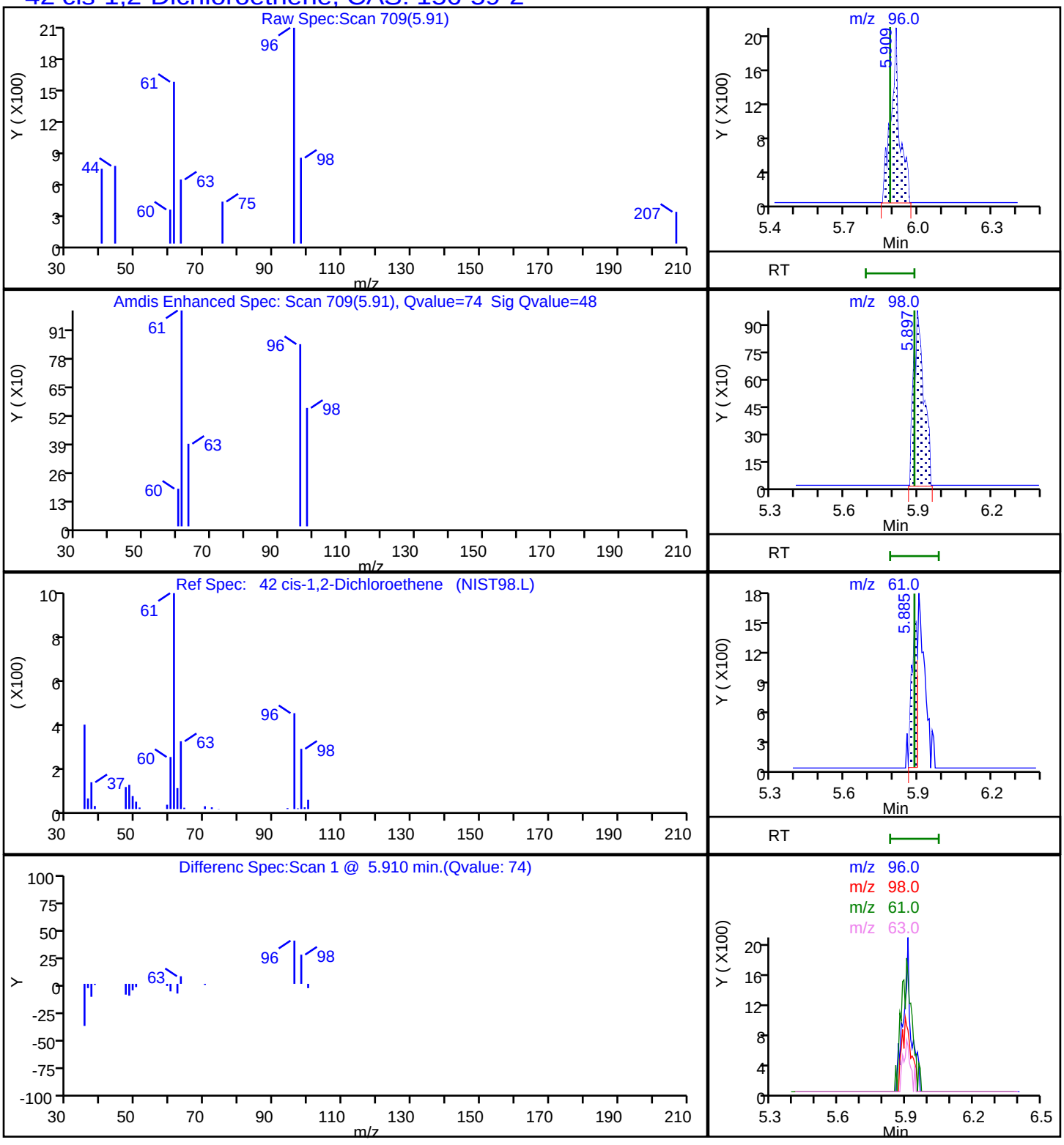
19 Acetone, CAS: 67-64-1



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X11.D				
Injection Date:	08-May-2024 23:50:30	Instrument ID:	19094		
Lims ID:	410-169938-A-3	Lab Sample ID:	410-169938-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

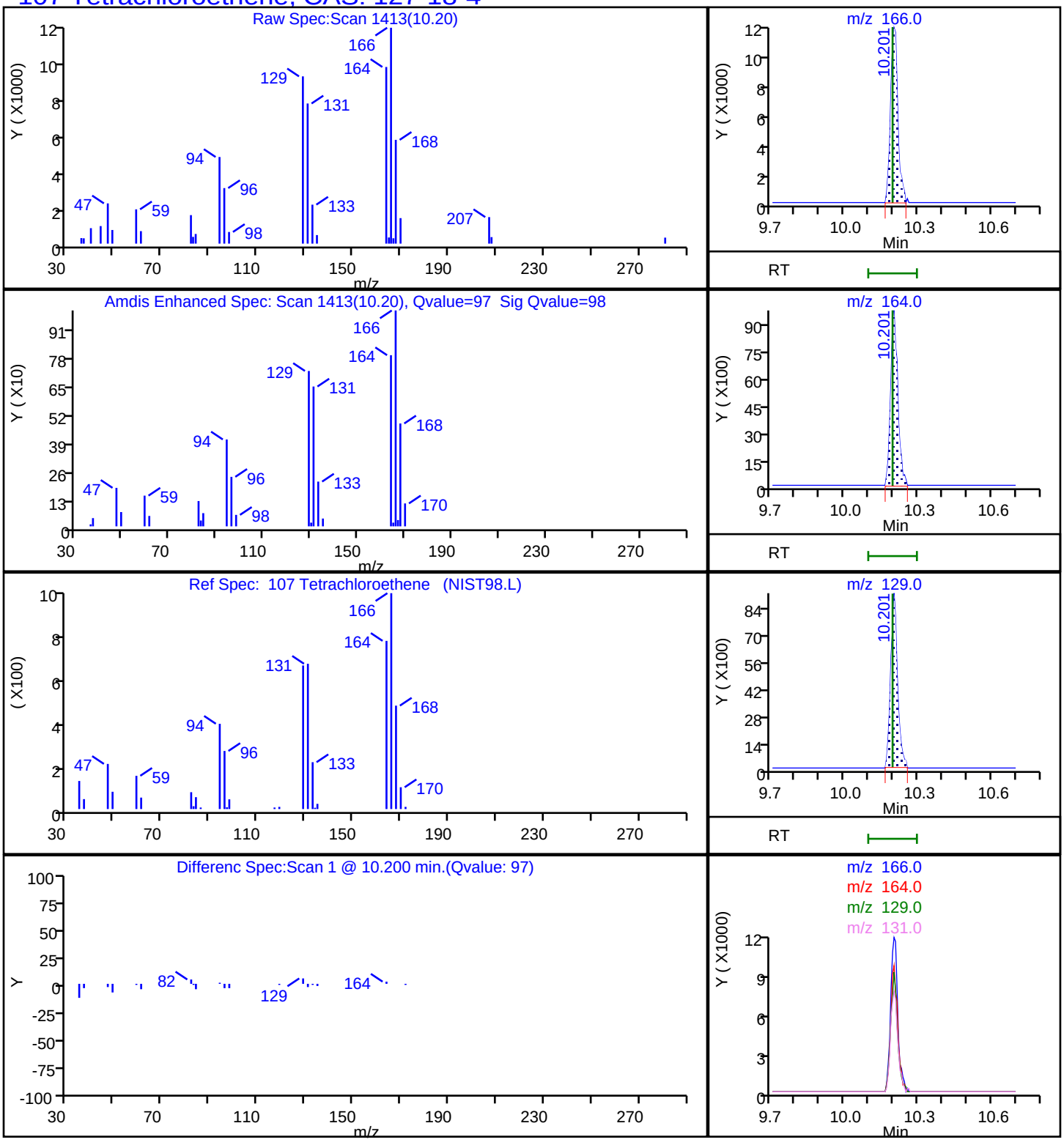
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X11.D				
Injection Date:	08-May-2024 23:50:30	Instrument ID:	19094		
Lims ID:	410-169938-A-3	Lab Sample ID:	410-169938-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

107 Tetrachloroethene, CAS: 127-18-4



Report Date: 09-May-2024 14:31:09 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X11.D

Injection Date: 08-May-2024 23:50:30 Instrument ID: 19094

Lims ID: 410-169938-A-3 Lab Sample ID: 410-169938-3

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

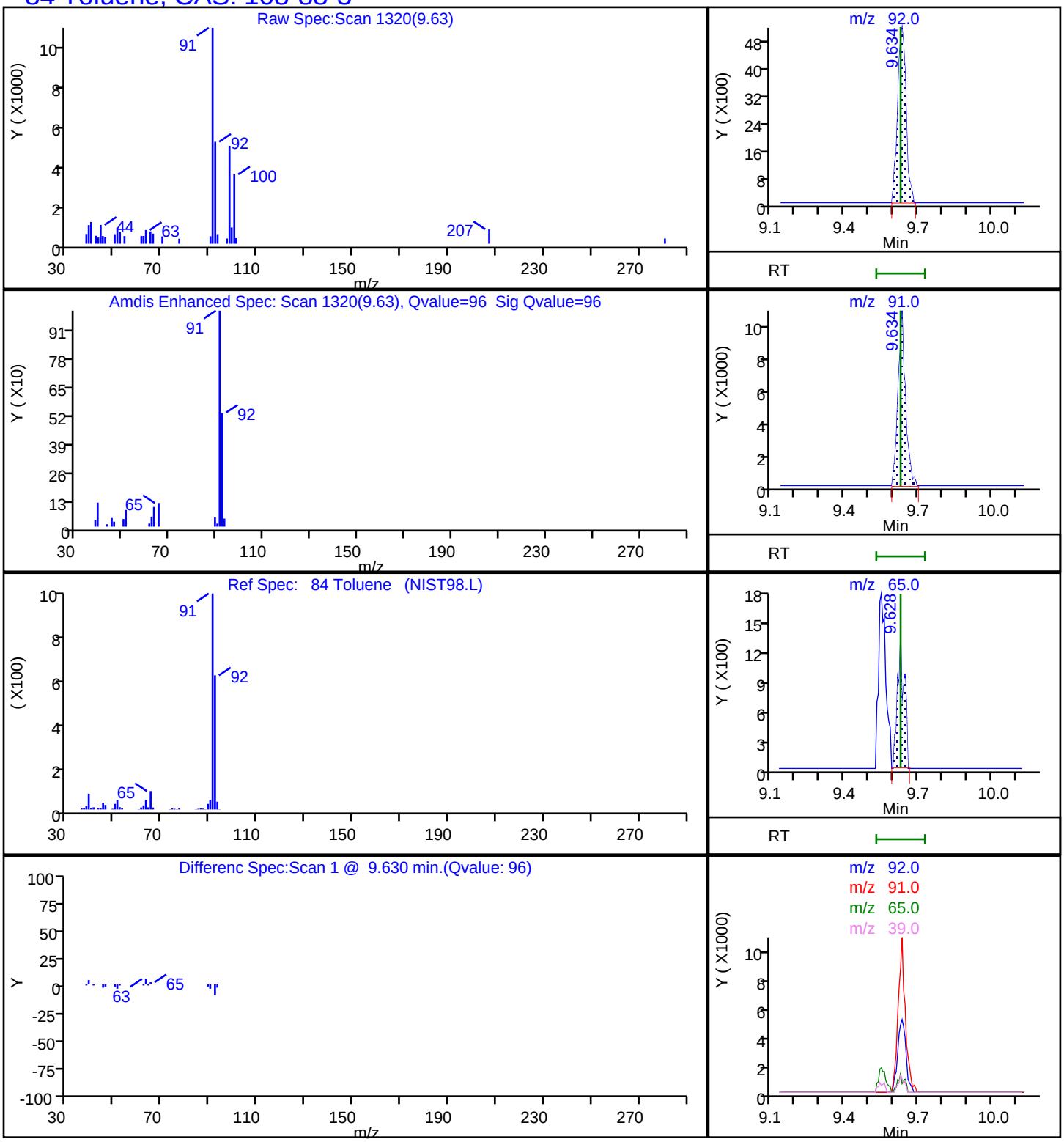
Operator ID: gaw91131 ALS Bottle#: 11 Worklist Smp#: 12

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_19094_25mL Limit Group: MSV - 8260C_D

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

84 Toluene, CAS: 108-88-3

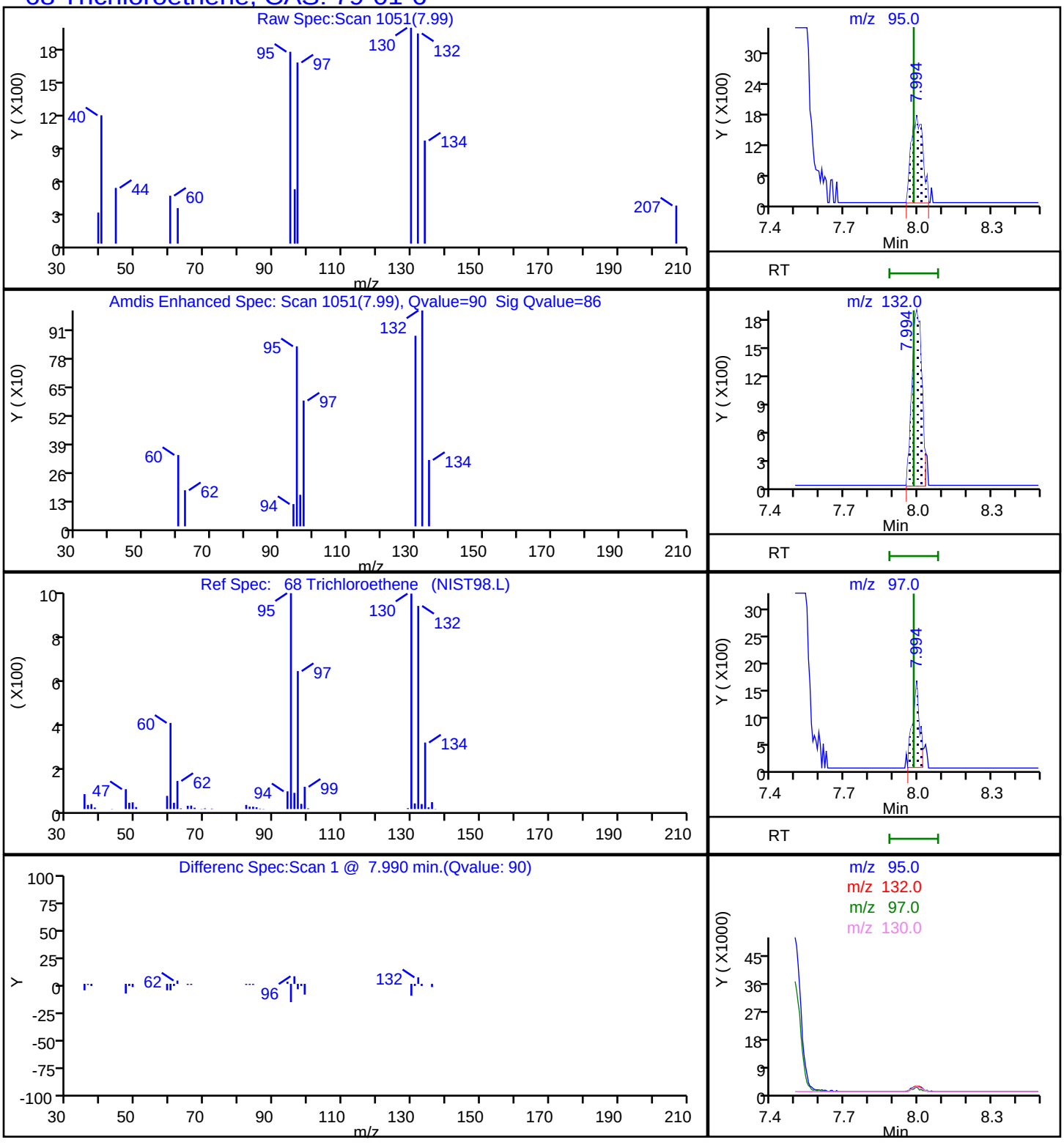


Report Date: 09-May-2024 14:31:09 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X11.D				
Injection Date:	08-May-2024 23:50:30	Instrument ID:	19094		
Lims ID:	410-169938-A-3	Lab Sample ID:	410-169938-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



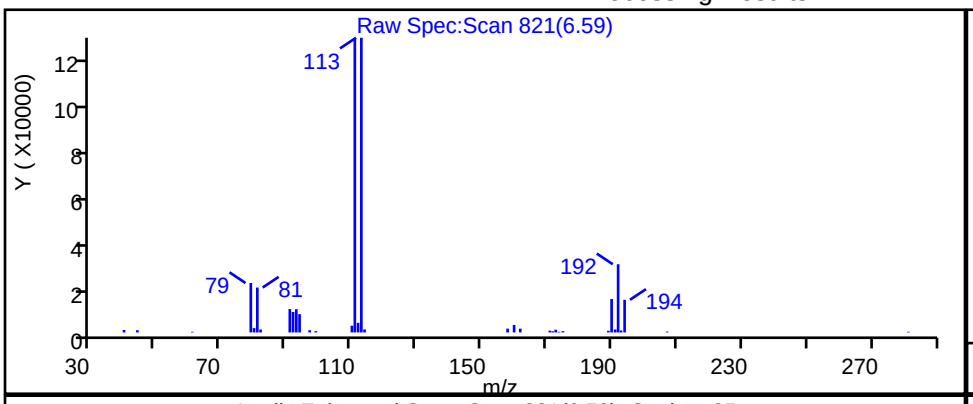
User Disabled Compound Report

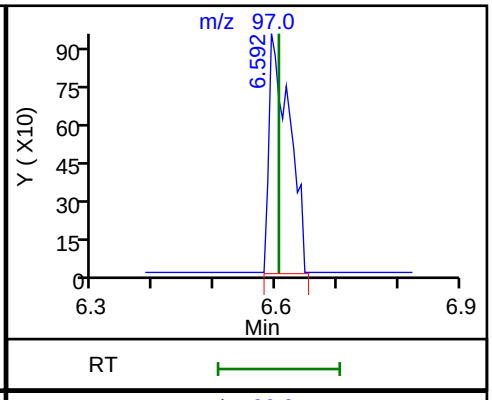
Eurofins Lancaster Laboratories Environment Testing, LLC

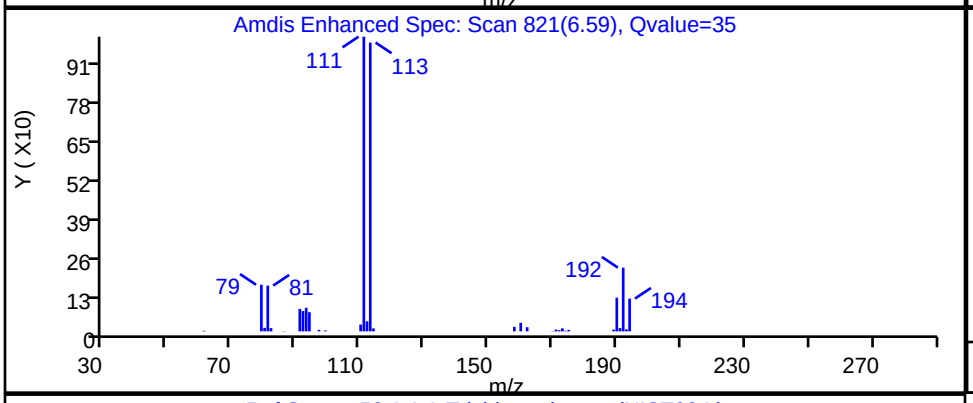
Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X11.D				
Injection Date:	08-May-2024 23:50:30	Instrument ID:	19094		
Lims ID:	410-169938-A-3	Lab Sample ID:	410-169938-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

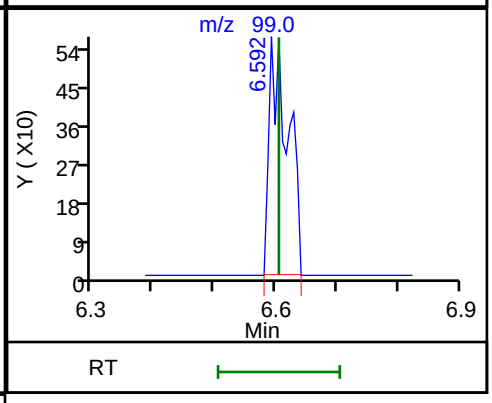
53 1,1,1-Trichloroethane, CAS: 71-55-6

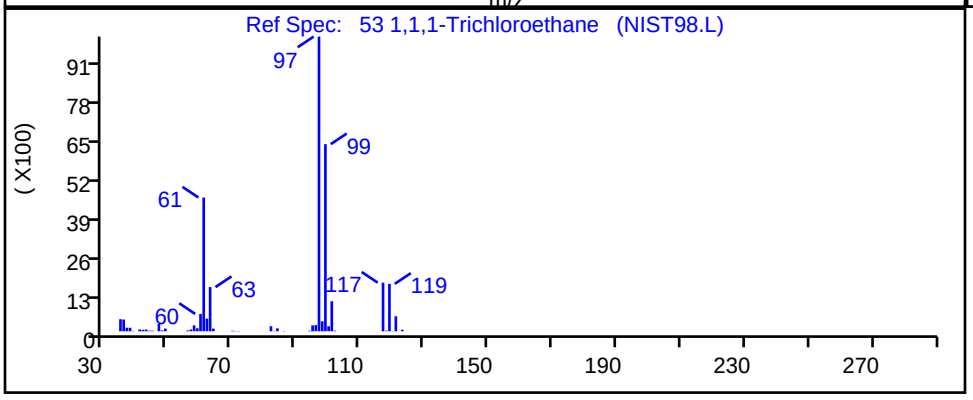
Processing Results











RT	Mass	Response	Amount
6.59	97.00	2208	0.032665
6.59	99.00	1225	

Reviewer: QD9U, 09-May-2024 14:30:46 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

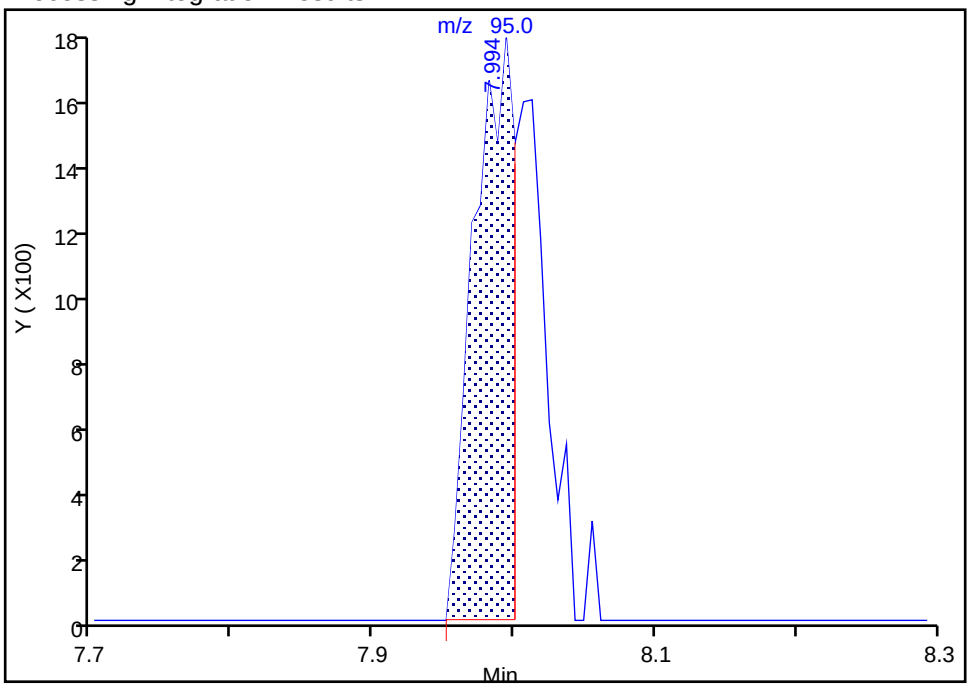
Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X11.D				
Injection Date:	08-May-2024 23:50:30	Instrument ID:	19094		
Lims ID:	410-169938-A-3	Lab Sample ID:	410-169938-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6

Signal: 1

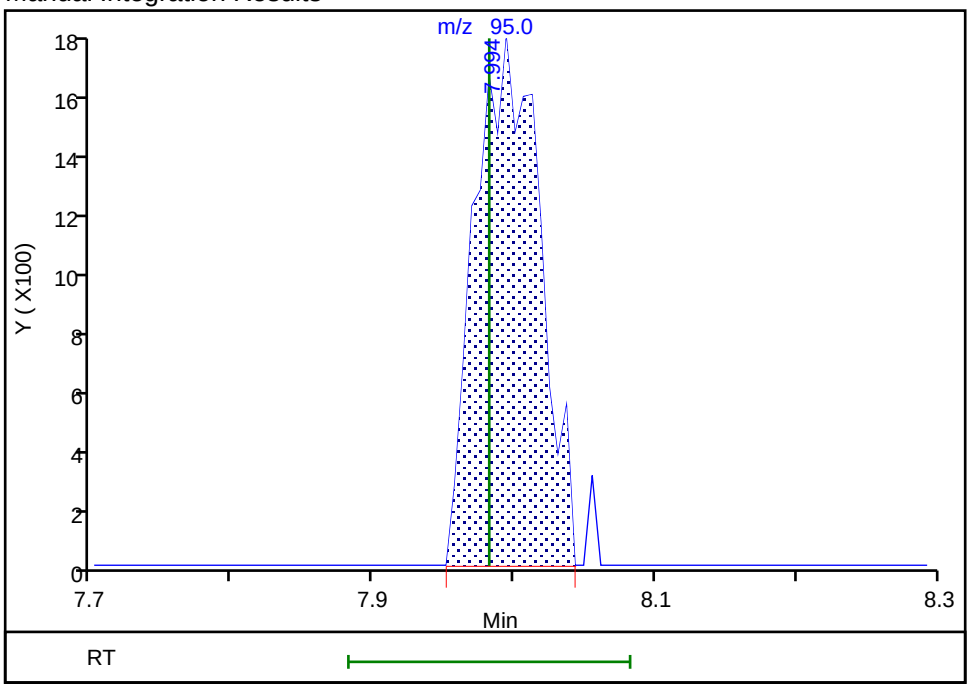
Processing Integration Results

RT: 7.99
Area: 3455
Amount: 0.077561
Amount Units: ug/l



Manual Integration Results

RT: 7.99
Area: 5519
Amount: 0.123896
Amount Units: ug/l



Reviewer: QD9U, 09-May-2024 14:30:55 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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-9-0/1-0
Lab Sample ID: 410-169938-4

Matrix: Water
Lab File ID: HY08X12.D

Analysis Method: 8260D
Date Collected: 04/29/2024 12:20

Sample wt/vol: 25(mL)
Date Analyzed: 05/09/2024 00:10

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.: 503852
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	^c cn	0.50	0.10
78-93-3	2-Butanone (MEK)	ND	^c cn	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	2.6	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	0.096	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	0.32	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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-9-0/1-0
Lab Sample ID: 410-169938-4

Matrix: Water
Lab File ID: HY08X12.D

Analysis Method: 8260D
Date Collected: 04/29/2024 12:20

Sample wt/vol: 25(mL)
Date Analyzed: 05/09/2024 00:10

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.: 503852
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)	112		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		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\19094\20240508-113421.b\HY08X12.D
Lims ID: 410-169938-A-4
Client ID: HD-COD-SW-9-0/1-0
Sample Type: Client
Inject. Date: 09-May-2024 00:10:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113421-013
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-May-2024 14:31:09 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: QD9U Date: 09-May-2024 14:31:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.062				ND	7
6 Vinyl chloride	62		2.166				ND	
9 Bromomethane	94		2.489				ND	
10 Chloroethane	64		2.562				ND	
17 1,1-Dichloroethene	96		3.373				ND	
19 Acetone	43	3.446	3.404	0.042	72	6998	2.64	
23 Carbon disulfide	76		3.660				ND	7
27 Methylene Chloride	84		3.989				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.977	4.001	-0.024	22	43807	50.0	
32 Methyl tert-butyl ether	73		4.379				ND	
33 trans-1,2-Dichloroethene	96		4.391				ND	
36 1,1-Dichloroethane	63		5.050				ND	
41 2-Butanone (MEK)	43		5.848				ND	
42 cis-1,2-Dichloroethene	96	5.897	5.885	0.012	1	3219	0.0729	
48 Chlorobromomethane	128		6.220				ND	
50 Chloroform	83	6.379	6.379	0.000	87	6919	0.0959	
$ 52 Dibromofluoromethane (Surr)	113	6.598	6.598	0.000	94	424560	10.1	
53 1,1,1-Trichloroethane	97		6.604				ND	
56 Carbon tetrachloride	117		6.824				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.049	7.049	0.000	47	88623	11.2	
59 Benzene	78		7.086				ND	7
60 1,2-Dichloroethane	62		7.159				ND	
* 64 Fluorobenzene (IS)	96	7.494	7.494	0.000	99	1656955	10.0	
68 Trichloroethene	95		7.982				ND	7
70 1,2-Dichloropropane	63		8.311				ND	
76 Dichlorobromomethane	83		8.665				ND	7
80 cis-1,3-Dichloropropene	75		9.232				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.409				ND	
$ 83 Toluene-d8 (Surr)	98	9.549	9.549	0.000	93	1590729	9.84	
84 Toluene	92	9.640	9.628	0.012	98	7516	0.0744	
85 trans-1,3-Dichloropropene	75		9.896				ND	
106 1,1,2-Trichloroethane	97		10.104				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.201	10.195	0.006	96	15536	0.3217	
109 2-Hexanone	43		10.329				ND	
111 Chlorodibromomethane	129		10.494				ND	
112 Ethylene Dibromide	107		10.603				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	86	1223726	10.0	
115 Chlorobenzene	112		11.073				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.158				ND	
117 Ethylbenzene	91		11.158				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.280				ND	7
120 o-Xylene	106		11.609				ND	7
121 Styrene	104		11.628				ND	7
122 Bromoform	173		11.786				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.061	12.060	0.001	92	541948	8.95	
127 1,1,2,2-Tetrachloroethane	83		12.158				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.951	12.944	0.007	95	641464	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

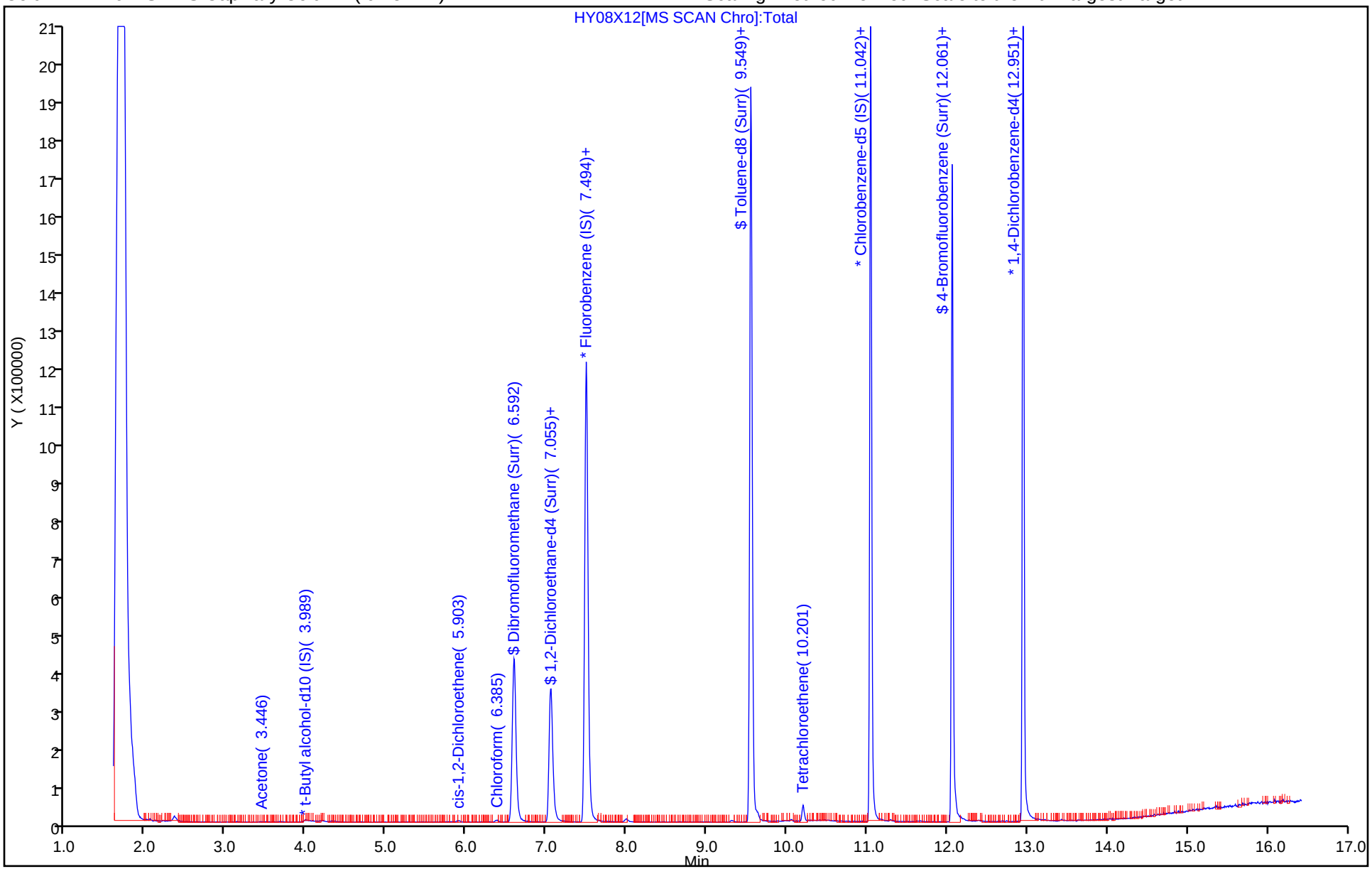
Report Date: 09-May-2024 14:31:38 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X12.D

Injection Date:	09-May-2024 00:10:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-169938-A-4	Lab Sample ID:	410-169938-4	Worklist Smp#:	13
Client ID:	HD-COD-SW-9-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSV_19094_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: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X12.D
Lims ID: 410-169938-A-4
Client ID: HD-COD-SW-9-0/1-0
Sample Type: Client
Inject. Date: 09-May-2024 00:10:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113421-013
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-May-2024 14:31:09 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1689

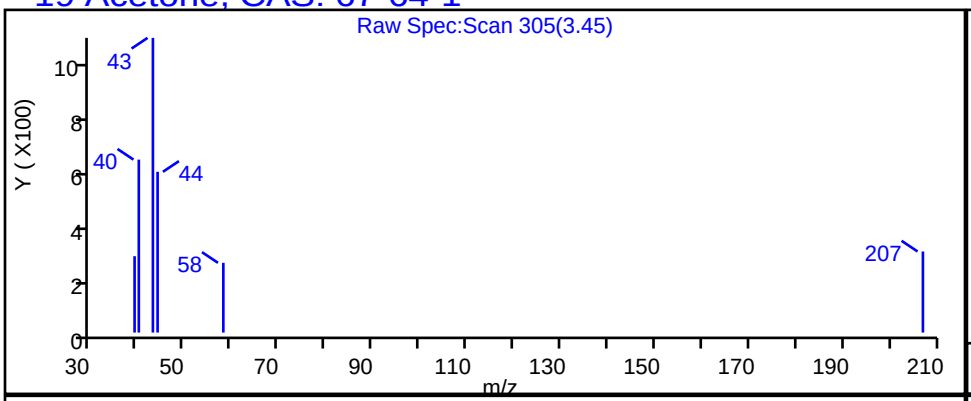
First Level Reviewer: QD9U Date: 09-May-2024 14:31:38

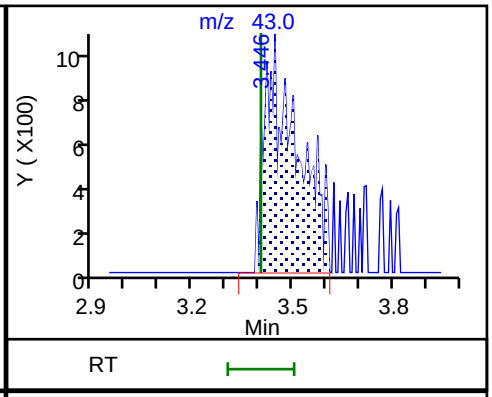
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.1	101.13
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	11.2	111.98
$ 83 Toluene-d8 (Surr)	10.0	9.84	98.35
$ 126 4-Bromofluorobenzene (Surr)	10.0	8.95	89.49

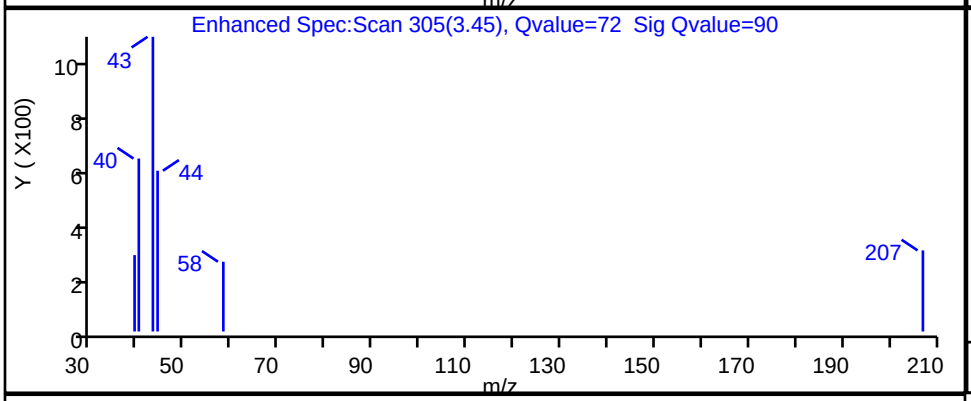
Eurofins Lancaster Laboratories Environment Testing, LLC

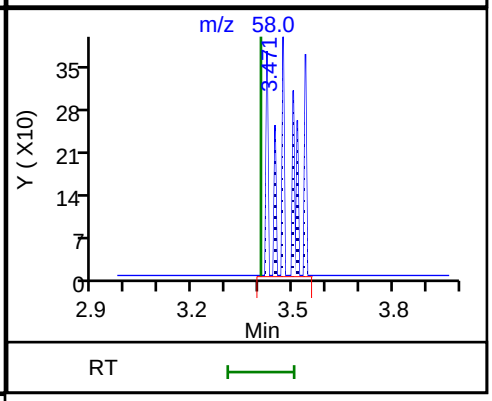
Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X12.D				
Injection Date:	09-May-2024 00:10:30	Instrument ID:	19094		
Lims ID:	410-169938-A-4	Lab Sample ID:	410-169938-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

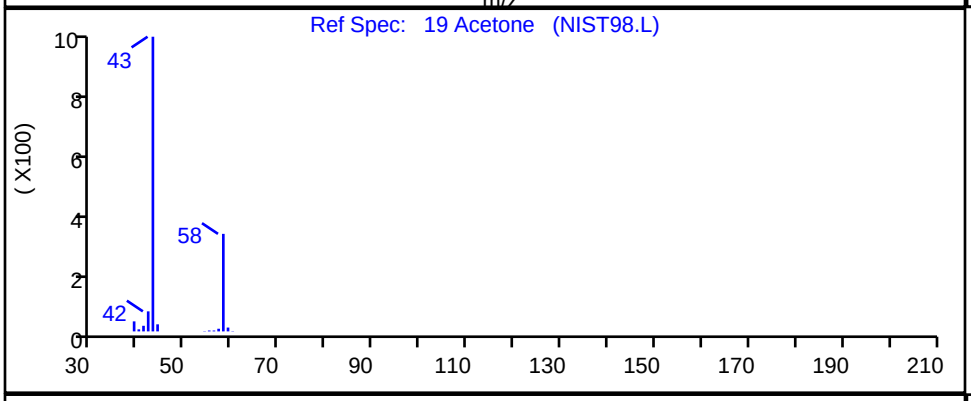
19 Acetone, CAS: 67-64-1

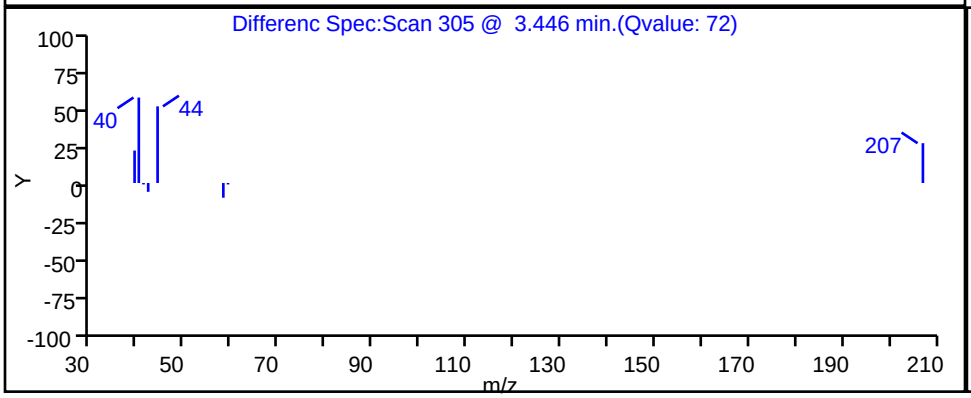


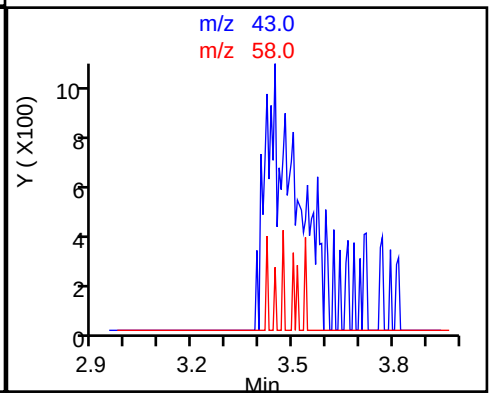








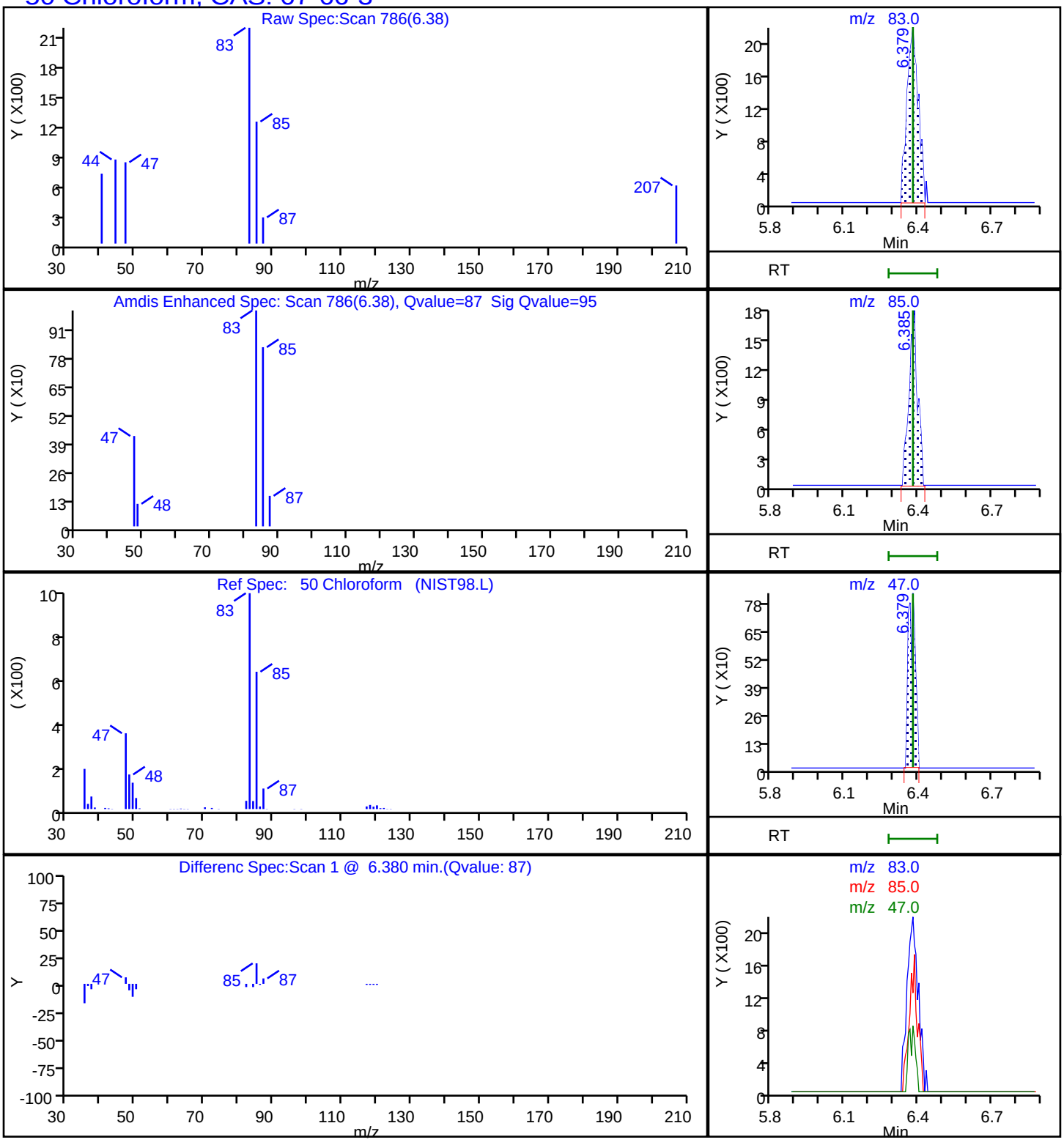




Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X12.D				
Injection Date:	09-May-2024 00:10:30	Instrument ID:	19094		
Lims ID:	410-169938-A-4	Lab Sample ID:	410-169938-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

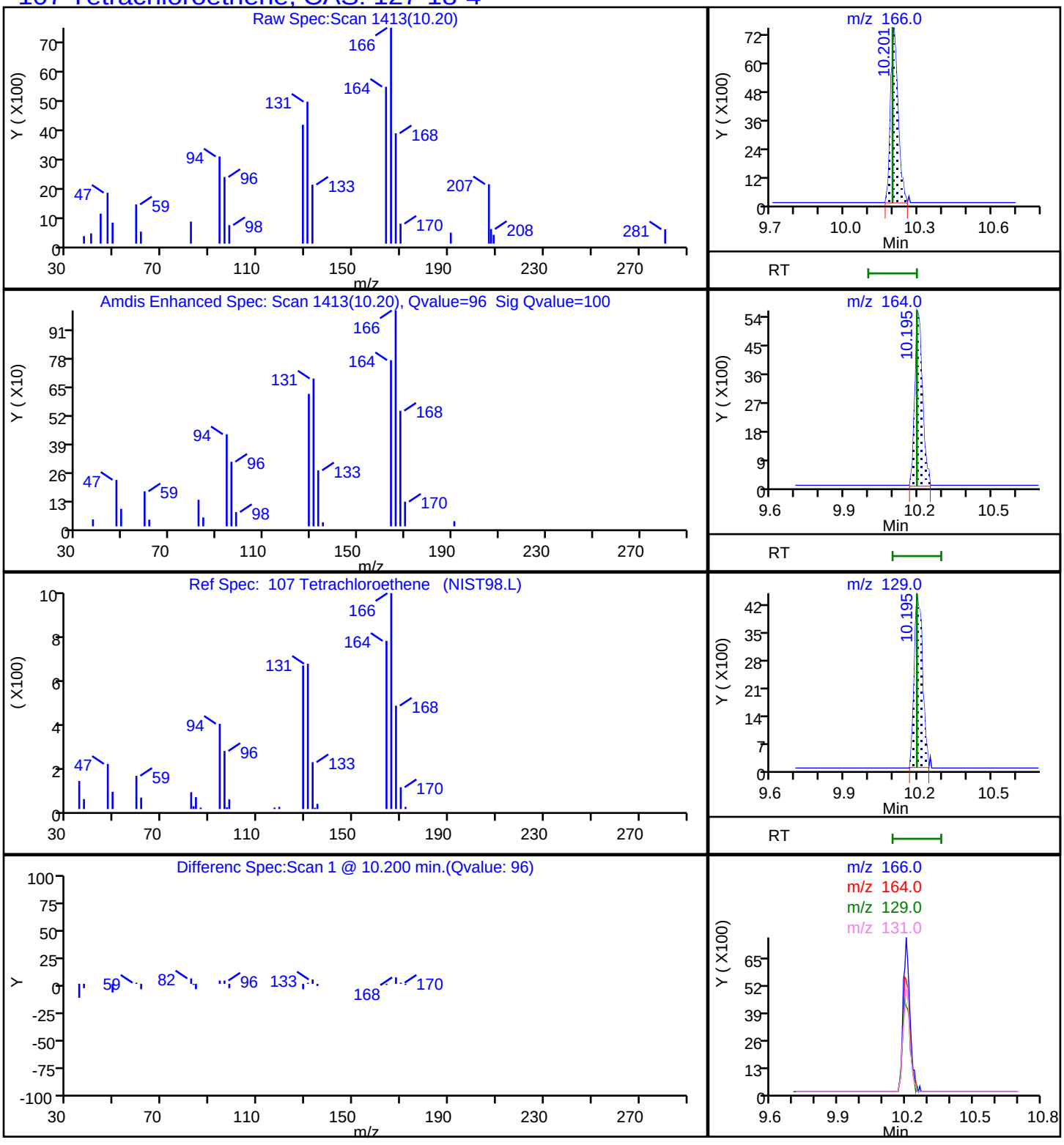
50 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X12.D				
Injection Date:	09-May-2024 00:10:30	Instrument ID:	19094		
Lims ID:	410-169938-A-4	Lab Sample ID:	410-169938-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

107 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-13-0/1-0
Lab Sample ID: 410-169938-5

Matrix: Water
Lab File ID: HY08X13.D

Analysis Method: 8260D
Date Collected: 04/29/2024 09:32

Sample wt/vol: 25(mL)
Date Analyzed: 05/09/2024 00:30

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.: 503852
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	^c cn	0.50	0.10
78-93-3	2-Butanone (MEK)	ND	^c cn	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	2.9	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	0.11	J	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	1.2		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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-13-0/1-0
Lab Sample ID: 410-169938-5

Matrix: Water
Lab File ID: HY08X13.D

Analysis Method: 8260D
Date Collected: 04/29/2024 09:32

Sample wt/vol: 25(mL)
Date Analyzed: 05/09/2024 00:30

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.: 503852
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)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	87		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		80-120
2037-26-5	Toluene-d8 (Surr)	107		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X13.D
Lims ID: 410-169938-A-5
Client ID: HD-COD-SW-13-0/1-0
Sample Type: Client
Inject. Date: 09-May-2024 00:30:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113421-014
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-May-2024 14:31:09 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: QD9U Date: 09-May-2024 14:32:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.056	2.062	-0.006	57	5676	0.1091	
6 Vinyl chloride	62		2.166				ND	
9 Bromomethane	94		2.489				ND	
10 Chloroethane	64		2.562				ND	
17 1,1-Dichloroethene	96		3.373				ND	
19 Acetone	43	3.434	3.404	0.030	70	11772	2.91	
23 Carbon disulfide	76		3.660				ND	7
27 Methylene Chloride	84		3.989				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	4.013	4.001	0.012	22	66923	50.0	
32 Methyl tert-butyl ether	73		4.379				ND	
33 trans-1,2-Dichloroethene	96		4.391				ND	
36 1,1-Dichloroethane	63		5.050				ND	7
41 2-Butanone (MEK)	43		5.848				ND	7
42 cis-1,2-Dichloroethene	96	5.909	5.885	0.024	75	4537	0.1061	
48 Chlorobromomethane	128		6.220				ND	
50 Chloroform	83	6.385	6.379	0.006	10	3384	0.0484	
$ 52 Dibromofluoromethane (Surr)	113	6.592	6.598	-0.006	93	396554	9.76	
53 1,1,1-Trichloroethane	97	6.598	6.604	-0.006	35	4514	0.0689	
56 Carbon tetrachloride	117		6.824				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.049	7.049	0.000	47	81766	10.7	
59 Benzene	78		7.086				ND	7
60 1,2-Dichloroethane	62		7.159				ND	
* 64 Fluorobenzene (IS)	96	7.494	7.494	0.000	99	1603839	10.0	
68 Trichloroethene	95	7.988	7.982	0.006	97	6621	0.1534	
70 1,2-Dichloropropane	63		8.311				ND	
76 Dichlorobromomethane	83		8.665				ND	
80 cis-1,3-Dichloropropene	75		9.232				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.409				ND	7
$ 83 Toluene-d8 (Surr)	98	9.549	9.549	0.000	94	1777158	10.7	
84 Toluene	92	9.634	9.628	0.006	97	7330	0.0703	
85 trans-1,3-Dichloropropene	75		9.896				ND	
106 1,1,2-Trichloroethane	97		10.104				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.201	10.195	0.006	97	61779	1.24	
109 2-Hexanone	43		10.329				ND	
111 Chlorodibromomethane	129		10.494				ND	
112 Ethylene Dibromide	107		10.603				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	86	1261800	10.0	
115 Chlorobenzene	112		11.073				ND	
116 1,1,1,2-Tetrachloroethane	131		11.158				ND	
117 Ethylbenzene	91		11.158				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.280				ND	7
120 o-Xylene	106		11.609				ND	7
121 Styrene	104		11.628				ND	
122 Bromoform	173		11.786				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	93	540682	8.66	
127 1,1,2,2-Tetrachloroethane	83		12.158				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	94	622954	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

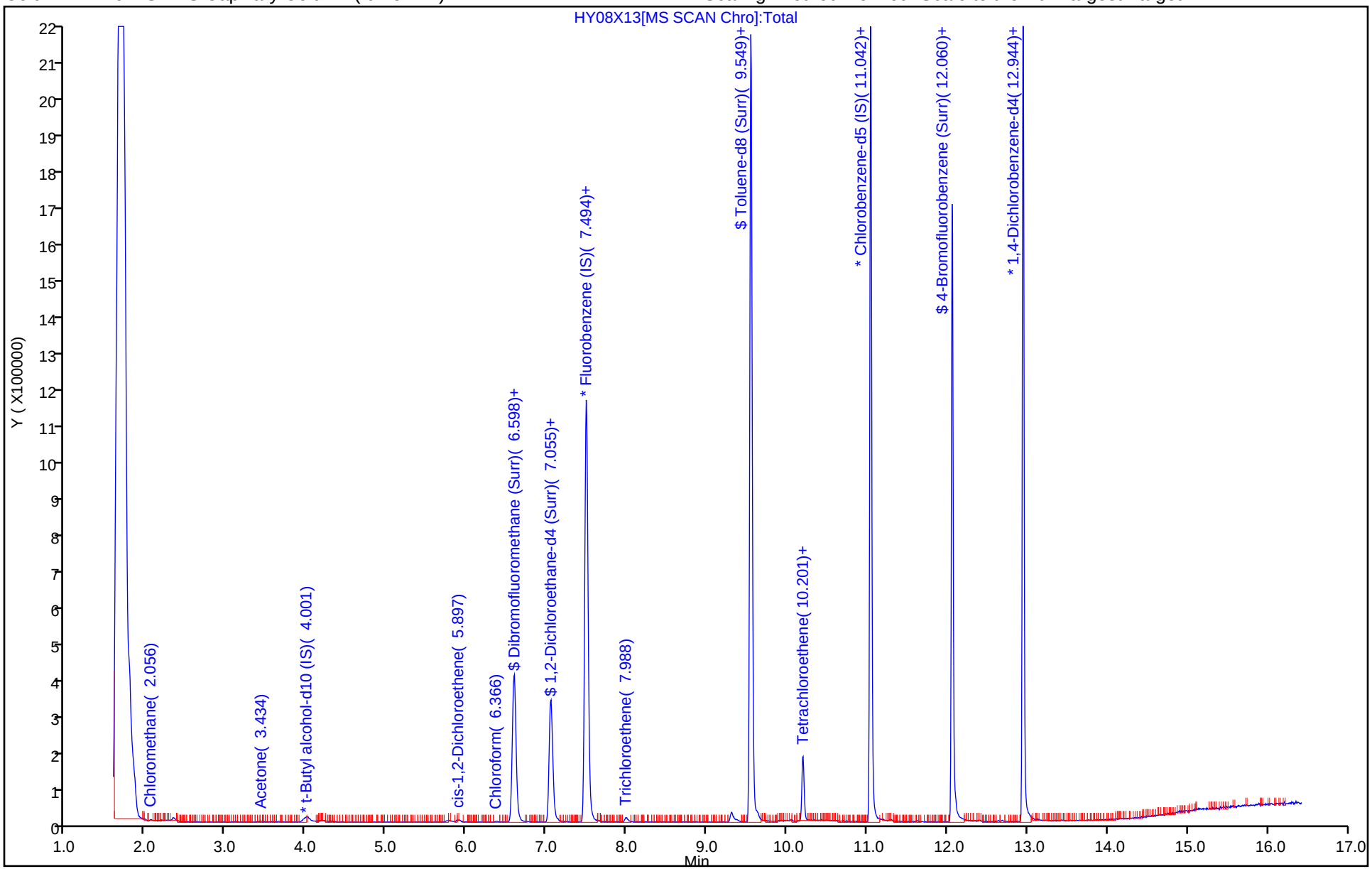
Report Date: 09-May-2024 14:32:21 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X13.D

Injection Date:	09-May-2024 00:30:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-169938-A-5	Lab Sample ID:	410-169938-5	Worklist Smp#:	14
Client ID:	HD-COD-SW-13-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSV_19094_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: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X13.D				
Lims ID:	410-169938-A-5				
Client ID:	HD-COD-SW-13-0/1-0				
Sample Type:	Client				
Inject. Date:	09-May-2024 00:30:30	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0113421-014				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	09-May-2024 14:31:09	Calib Date:	17-Oct-2023 09:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1689				

First Level Reviewer: QD9U Date: 09-May-2024 14:32:20

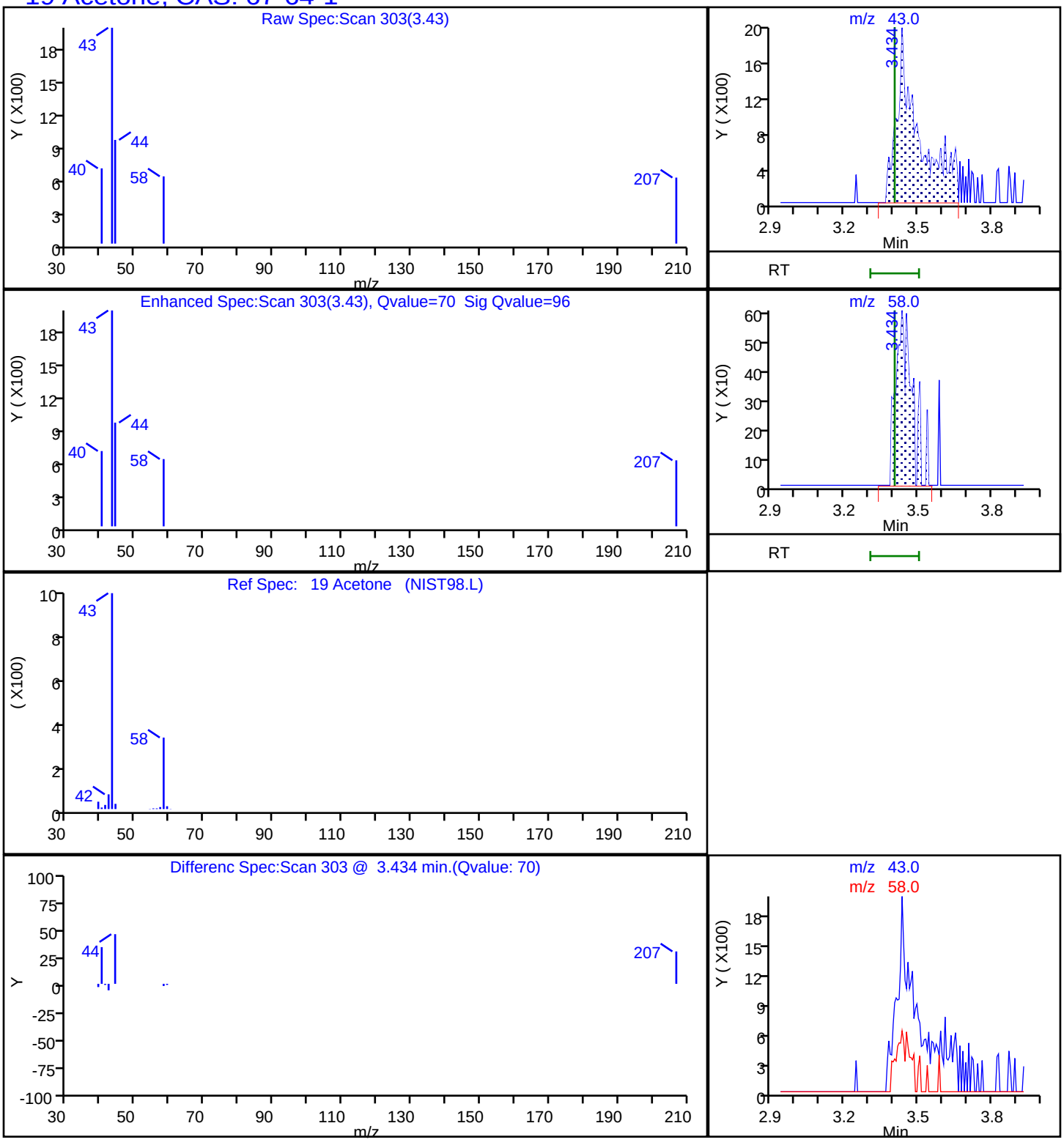
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.76	97.59
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	106.73
$ 83 Toluene-d8 (Surr)	10.0	10.7	106.56
$ 126 4-Bromofluorobenzene (Surr)	10.0	8.66	86.58

Report Date: 09-May-2024 14:32:21 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X13.D				
Injection Date:	09-May-2024 00:30:30	Instrument ID:	19094		
Lims ID:	410-169938-A-5	Lab Sample ID:	410-169938-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

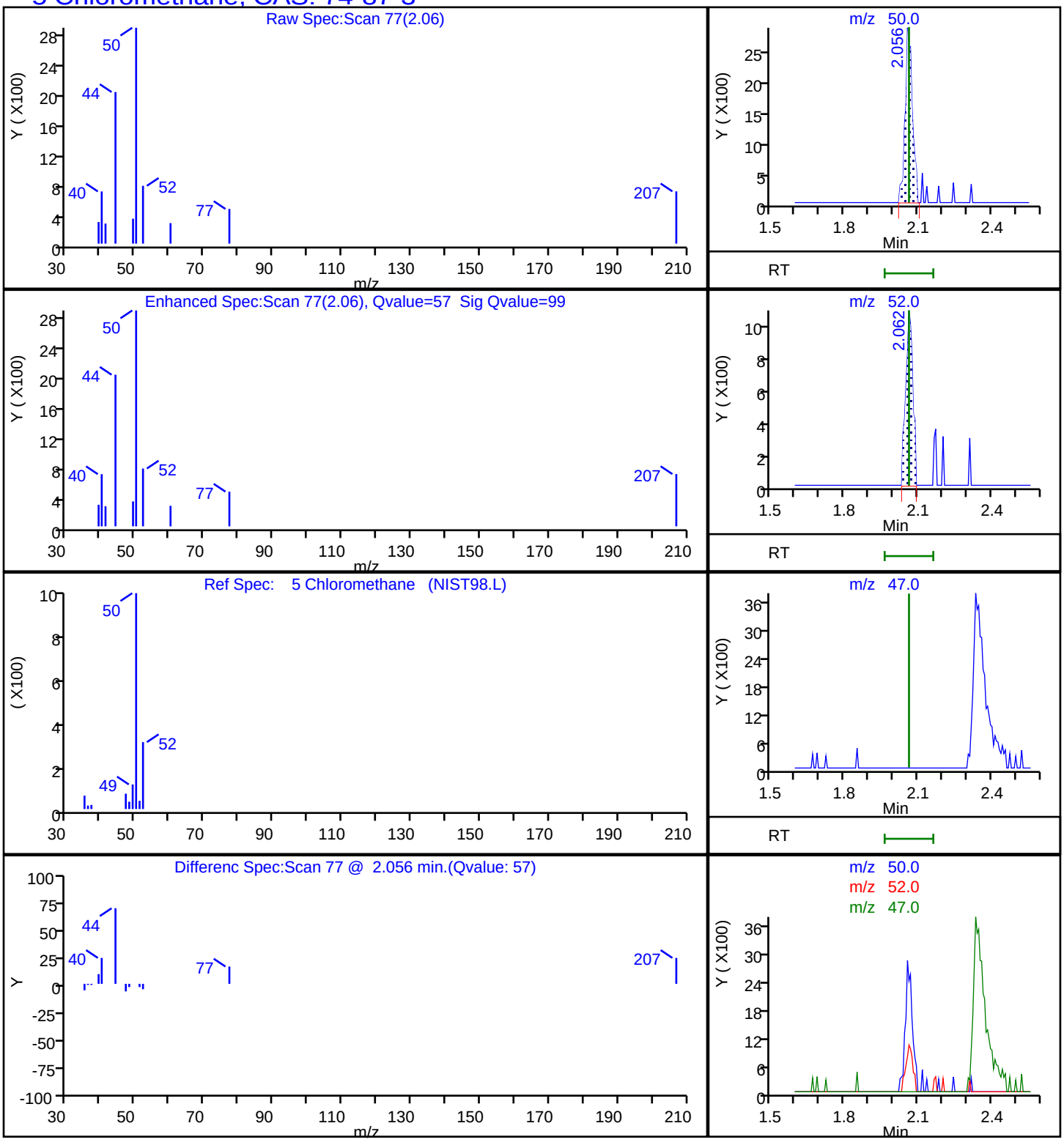
19 Acetone, CAS: 67-64-1



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X13.D				
Injection Date:	09-May-2024 00:30:30	Instrument ID:	19094		
Lims ID:	410-169938-A-5	Lab Sample ID:	410-169938-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

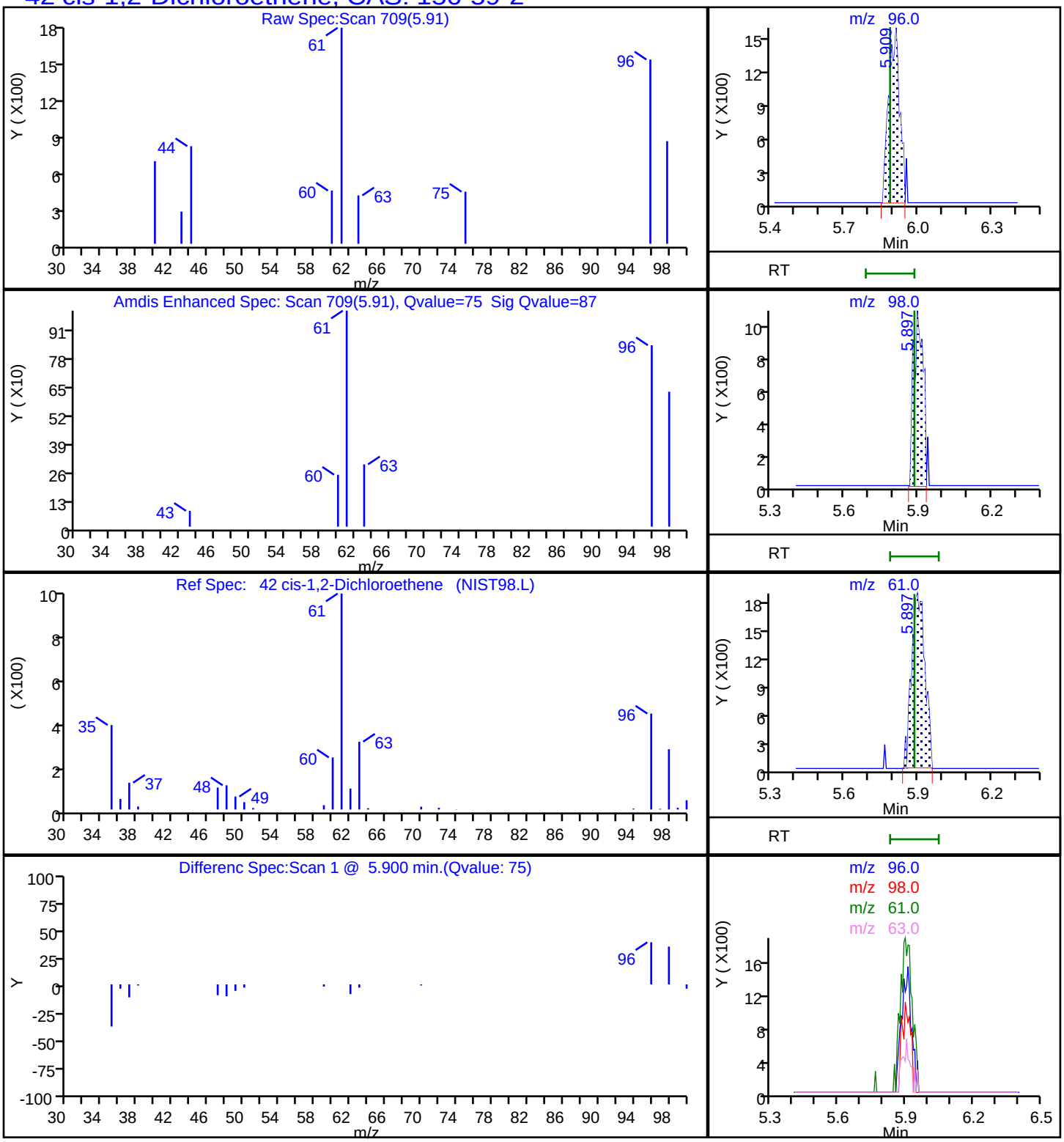
5 Chloromethane, CAS: 74-87-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X13.D				
Injection Date:	09-May-2024 00:30:30	Instrument ID:	19094		
Lims ID:	410-169938-A-5	Lab Sample ID:	410-169938-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

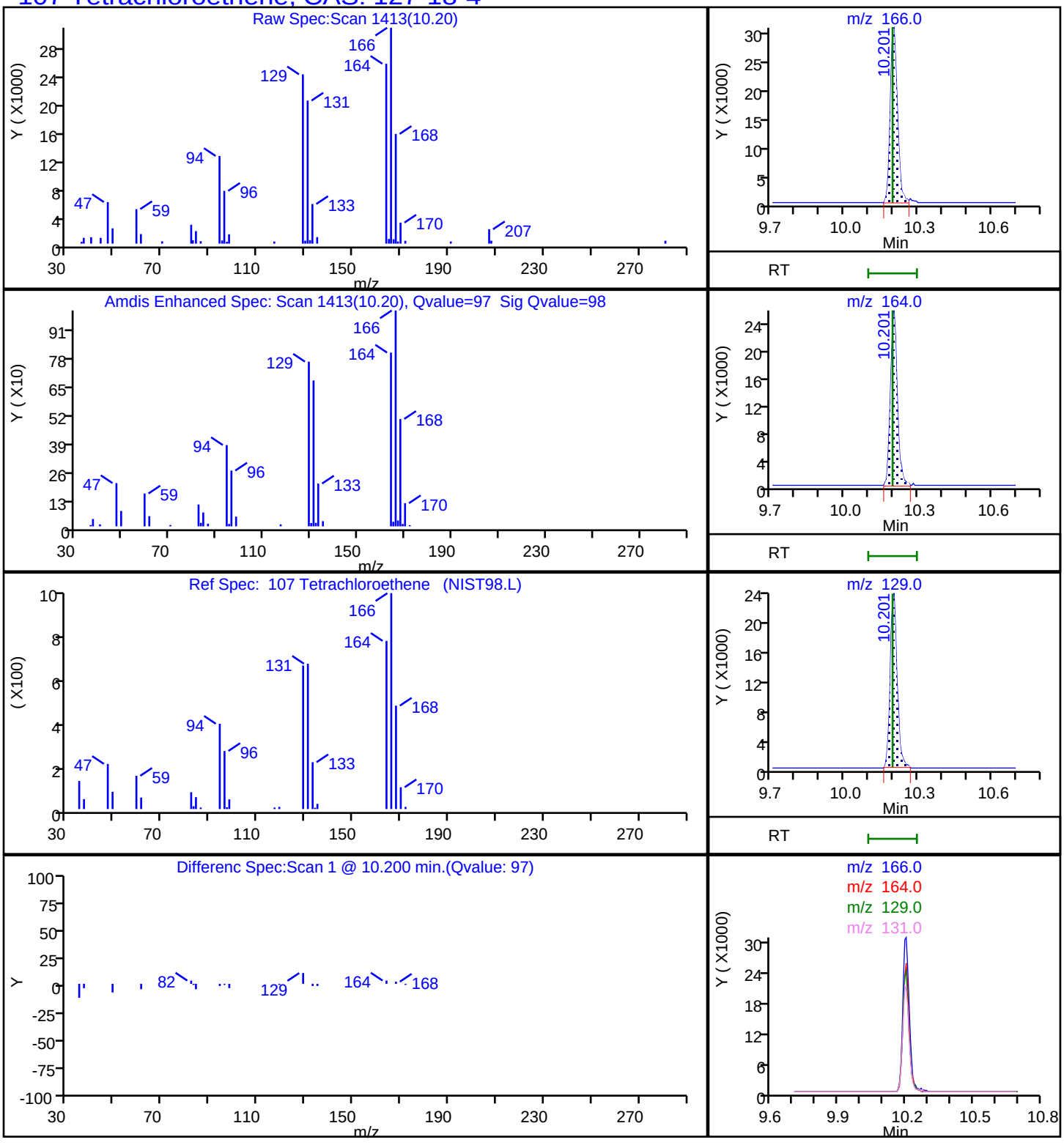
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X13.D				
Injection Date:	09-May-2024 00:30:30	Instrument ID:	19094		
Lims ID:	410-169938-A-5	Lab Sample ID:	410-169938-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

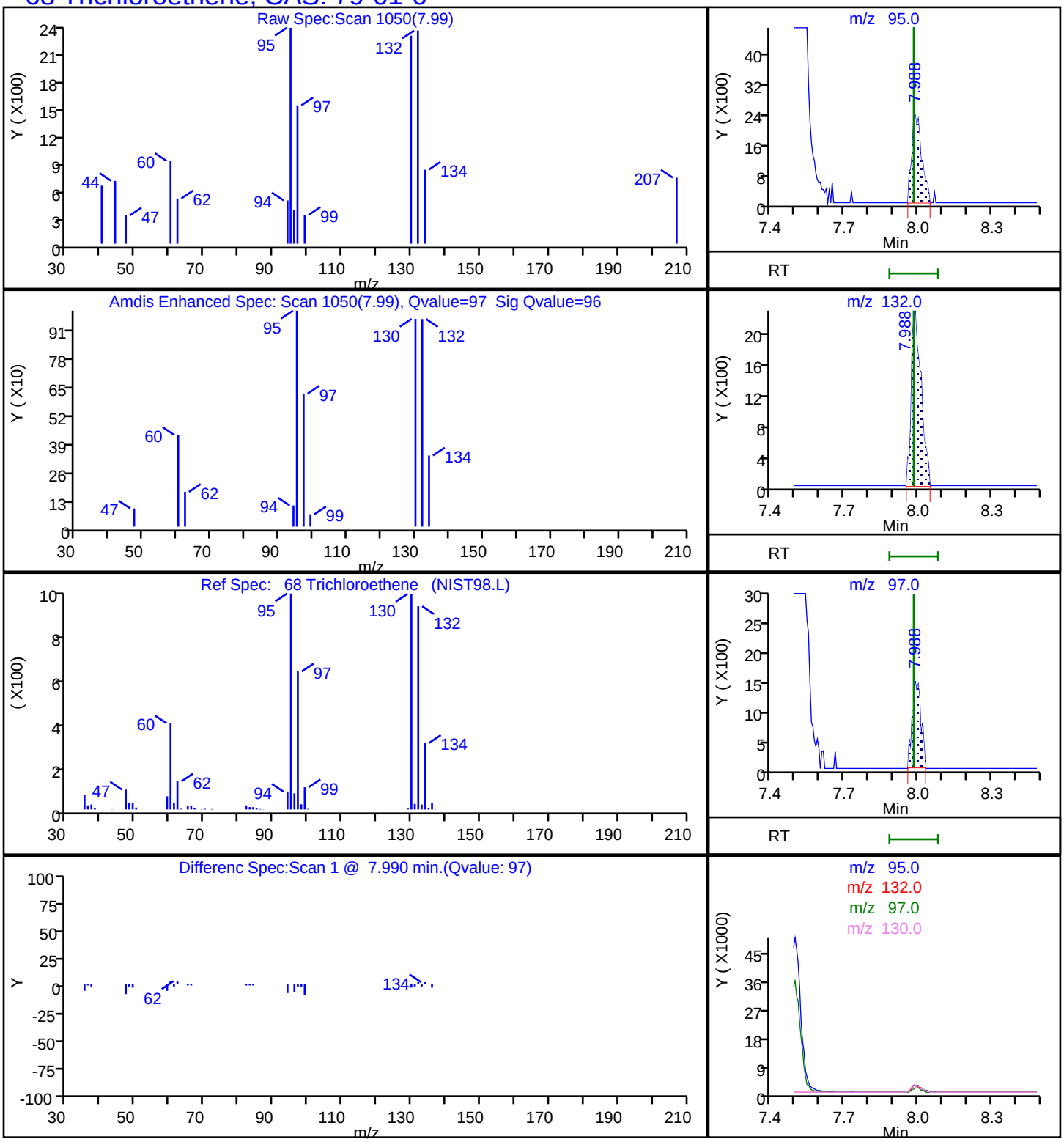
107 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X13.D				
Injection Date:	09-May-2024 00:30:30	Instrument ID:	19094		
Lims ID:	410-169938-A-5	Lab Sample ID:	410-169938-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0
Lab Sample ID: 410-169938-6

Matrix: Water
Lab File ID: GY09X42.D

Analysis Method: 8260D
Date Collected: 04/29/2024 11:20

Sample wt/vol: 25(mL)
Date Analyzed: 05/09/2024 21:53

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.: 504341
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	0.30	J	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND	FH *+	0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND	FH	0.50	0.080
75-34-3	1,1-Dichloroethane	0.13	J FH	0.50	0.10
75-35-4	1,1-Dichloroethene	0.19	J FH	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND	FH	0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND	FH	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	FH	0.50	0.10
74-97-5	Bromochloromethane	ND	FH	0.50	0.080
75-27-4	Bromodichloromethane	ND	FH	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	FH	1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND	FH	0.50	0.070
75-00-3	Chloroethane	ND	FH	0.50	0.10
67-66-3	Chloroform	0.21	J FH	0.50	0.090
74-87-3	Chloromethane	0.13	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.97	FH	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND	FH	0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND	FH	0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND	FH	0.50	0.20
100-42-5	Styrene	ND	FH	0.50	0.070
127-18-4	Tetrachloroethene	5.3	FH	0.50	0.20
108-88-3	Toluene	ND	FH	0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0
Lab Sample ID: 410-169938-6

Matrix: Water
Lab File ID: GY09X42.D

Analysis Method: 8260D
Date Collected: 04/29/2024 11:20

Sample wt/vol: 25(mL)
Date Analyzed: 05/09/2024 21:53

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.: 504341
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND	FH	0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND	FH	0.50	0.080
79-01-6	Trichloroethene	1.1	FH	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND	FH	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)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X42.D
Lims ID: 410-169938-A-6
Client ID: HD-COD-SW-15-0/1-0
Sample Type: Client
Inject. Date: 09-May-2024 21:53:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-013
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 09:51:01 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: CTX1619

First Level Reviewer: N9NA Date: 10-May-2024 09:51:01

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	1 Chlorotrifluoroethene	116		1.806				ND	
	2 Dichlorodifluoromethane	85		1.843				ND	
	3 Chlorodifluoromethane	51		1.855				ND	7
	4 Dimethyl ether	45		1.922				ND	7
	5 Chloromethane	50	2.007	2.026	-0.019	98	11006	0.1311	
	6 Vinyl chloride	62		2.135				ND	7
	7 Butadiene	39		2.148				ND	7
	8 2-Chloro-1,1,1-Trifluoroethane	118		2.215				ND	
	9 Bromomethane	94		2.446				ND	
	10 Chloroethane	64		2.526				ND	7
	11 Dichlorofluoromethane	67		2.751				ND	7
	12 Trichlorofluoromethane	101		2.812				ND	
	13 Ethyl ether	59		3.044				ND	
	16 1,2-Dichloro-1,1,2-trifluoroetha	67		3.129				ND	7
	14 Ethanol	45		3.190				ND	
T	15 Ethanol TIC	45		3.190				ND	7
	17 Acrolein	56		3.202				ND	7
	18 1,1-Dichloroethene	96	3.324	3.330	-0.006	98	10605	0.1871	
	19 Acetone	43	3.391	3.361	0.030	34	6677	0.9497	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.367				ND	
	22 Iodomethane	142		3.507				ND	
	21 Isopropyl alcohol	45		3.532				ND	U
	23 Ethyl bromide	108		3.538				ND	
	24 Carbon disulfide	76		3.605				ND	7
	26 Acetonitrile	41		3.727				ND	
	25 Methyl acetate	43		3.757				ND	
	27 3-Chloro-1-propene	41		3.775				ND	
	29 Methylene Chloride	84		3.946				ND	
T	28 Acetonitrile TIC	41	3.952	3.961	-0.009	1	267	0.000956	
*	30 t-Butyl alcohol-d10 (IS)	65	3.983	3.977	0.006	27	127555	50.0	
	31 2-Methyl-2-propanol	59		4.086				ND	
	32 Acrylonitrile	53		4.275				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	4.361	4.336	0.025	26	4672	0.0343	
34 trans-1,2-Dichloroethene	96		4.342				ND	
35 Hexane	57		4.775				ND	
37 1,1-Dichloroethane	63	4.995	5.001	-0.006	95	14328	0.1255	a
36 Vinyl acetate	43		5.025				ND	
38 Isopropyl ether	45		5.074				ND	
39 2-Chloro-1,3-butadiene	53		5.117				ND	
40 Tert-butyl ethyl ether	59		5.610				ND	7
41 2-Butanone (MEK)	43		5.824				ND	
42 cis-1,2-Dichloroethene	96	5.848	5.842	0.006	80	73528	0.9656	
43 2,2-Dichloropropane	77		5.860				ND	7
44 Ethyl acetate	43		5.909				ND	7
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				0		0.9656	
49 Chlorobromomethane	128		6.171				ND	
50 Tetrahydrofuran	71		6.202				ND	
51 Chloroform	83	6.330	6.330	0.000	93	26050	0.2069	
$ 52 Dibromofluoromethane (Surr)	113	6.549	6.549	0.000	93	650226	9.75	
53 1,1,1-Trichloroethane	97	6.561	6.555	0.006	37	33845	0.3044	
54 Cyclohexane	56		6.653				ND	
55 Carbon tetrachloride	117		6.769				ND	7
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	7.006	7.000	0.006	66	124924	10.3	
60 Benzene	78		7.031				ND	7
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	7.439	7.439	0.000	99	2793240	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	7.921	0.000	98	83630	1.12	
69 Methylcyclohexane	83		8.226				ND	
70 1,2-Dichloropropane	63		8.250				ND	
71 2-ethoxy-2-methyl butane	87		8.274				ND	
73 1,4-Dioxane	88		8.354				ND	
72 Methyl methacrylate	69		8.354				ND	
74 Dibromomethane	93		8.360				ND	
75 n-Propyl acetate	61		8.439				ND	
76 Dichlorobromomethane	83		8.598				ND	
77 2-Nitropropane	41		8.878				ND	7
78 2-Chloroethyl vinyl ether	63		8.970				ND	
79 1-Bromo-2-chloroethane	63		8.988				ND	
81 cis-1,3-Dichloropropene	75		9.158				ND	
80 Chloroacetonitrile	75		9.189				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
$ 83 Toluene-d8 (Surr)	98	9.476	9.482	-0.006	94	2685942	10.2	
84 Toluene	92	9.561	9.561	0.000	97	5671	0.0320	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75		9.829				ND	
86 Ethyl methacrylate	69		9.902				ND	
T 99 2,3-Dibromopropene TIC	119	10.116	10.000	0.116	1	3881	0.0139	
T 98 Epibromohydrin TIC	57	9.488	10.000	-0.512	16	2531	0.009061	
T 97 2-Bromo-3-chloropropene TIC	75	9.488	10.000	-0.512	0	763	0.002732	
T 92 2-Bromoethanol TIC	45	9.482	10.000	-0.518	8	3205	0.0115	
T 96 Methyl acrylate TIC	55	9.476	10.000	-0.524	13	11010	0.0394	
T 95 2,3-Dibromo-1-propanol TIC	57		10.000				ND	
T 91 Epichlorohydrin TIC	57	9.488	10.000	-0.512	30	2531	0.009061	
T 90 Nitrobenzene TIC	77	9.476	10.000	-0.524	9	2369	0.008481	
T 93 Monochloroacetic acid TIC	50	9.573	10.000	-0.427	1	530	0.001897	
T 89 Vinyl bromide TIC	106	11.085	10.000	1.085	1	639	0.002288	
T 88 Hexachloroethane TIC	117	10.122	10.000	0.122	11	3775	0.0135	
T 105 Vinyl acetate (TIC)	43	9.476	10.000	-0.524	24	11486	0.0411	
T 94 Isopropyl alcohol TIC	45		10.000				ND	
T 104 Ethylene oxide TIC	43	9.476	10.000	-0.524	24	11486	0.0411	
T 103 Decamethylcyclopentasiloxane TIC	73	10.122	10.000	0.122	1	350	0.001253	
T 102 3-Chloro-1,2-propanediol TIC	43	9.476	10.000	-0.524	20	11486	0.0411	
T 101 2-Chloroethanol TIC	44	10.390	10.000	0.390	1	507	0.001815	
T 100 Octamethylcyclotetrasiloxane TIC	281	12.030	10.000	2.030	90	11423	0.0409	
T 87 Chloroacetaldehyde TIC	50	9.573	10.000	-0.427	1	530	0.001897	
107 1,1,2-Trichloroethane	97		10.036				ND	
S 106 1,3-Dichloropropene, Total	100		10.060				ND	7
108 Tetrachloroethene	166	10.122	10.122	0.000	97	446749	5.30	
109 1,3-Dichloropropane	76		10.201				ND	
110 2-Hexanone	43		10.262				ND	
111 n-Butyl acetate	43		10.390				ND	
112 Chlorodibromomethane	129		10.414				ND	
113 Ethylene Dibromide	107		10.524				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	2039924	10.0	
115 1-Chlorohexane	91		10.981				ND	7
116 Chlorobenzene	112		10.993				ND	
117 1,1,1,2-Tetrachloroethane	131		11.073				ND	
118 Ethylbenzene	91		11.079				ND	7
120 m-Xylene & p-Xylene	106		11.195				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.530				ND	7
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		11.896				ND	
126 Cyclohexanone	55		11.932				ND	U
$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	90	950176	9.80	
128 1,1,2,2-Tetrachloroethane	83		12.079				ND	
129 Bromobenzene	156		12.085				ND	
130 trans-1,4-Dichloro-2-butene	53		12.103				ND	
131 1,2,3-Trichloropropane	110		12.121				ND	
132 N-Propylbenzene	91		12.158				ND	7
133 2-Chlorotoluene	126		12.231				ND	
134 1,3,5-Trimethylbenzene	105		12.298				ND	7
135 4-Chlorotoluene	126		12.329				ND	
136 tert-Butylbenzene	134		12.536				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
137 Pentachloroethane	167		12.566				ND	
138 1,2,4-Trimethylbenzene	105		12.579				ND	7
139 sec-Butylbenzene	105		12.700				ND	
140 1,3-Dichlorobenzene	146		12.798				ND	7
141 4-Isopropyltoluene	119		12.804				ND	7
* 142 1,4-Dichlorobenzene-d4	152	12.853	12.853	0.000	96	1057381	10.0	
143 1,4-Dichlorobenzene	146		12.871				ND	U
144 1,2,3-Trimethylbenzene	120		12.883				ND	7
145 Benzyl chloride	126		12.944				ND	
146 p-Diethylbenzene	119		13.005				ND	
147 n-Butylbenzene	92		13.097				ND	
148 1,2-Dichlorobenzene	146		13.127				ND	7
149 Hexachloroethane	201		13.499				ND	
150 1,2-Dibromo-3-Chloropropane	155		13.670				ND	
151 1,3,5-Trichlorobenzene	180		13.792				ND	
152 1,2,4-Trichlorobenzene	180	14.219	14.212	0.006	90	5220	0.0511	
153 Hexachlorobutadiene	225		14.292				ND	
154 Naphthalene	128		14.389				ND	7
155 1,2,3-Trichlorobenzene	180		14.529				ND	7
156 2-Methylnaphthalene	142		15.127				ND	
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	2.843	2.843	0.000	23	739	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00087 Amount Added: 1.00 Units: uL Run Reagent

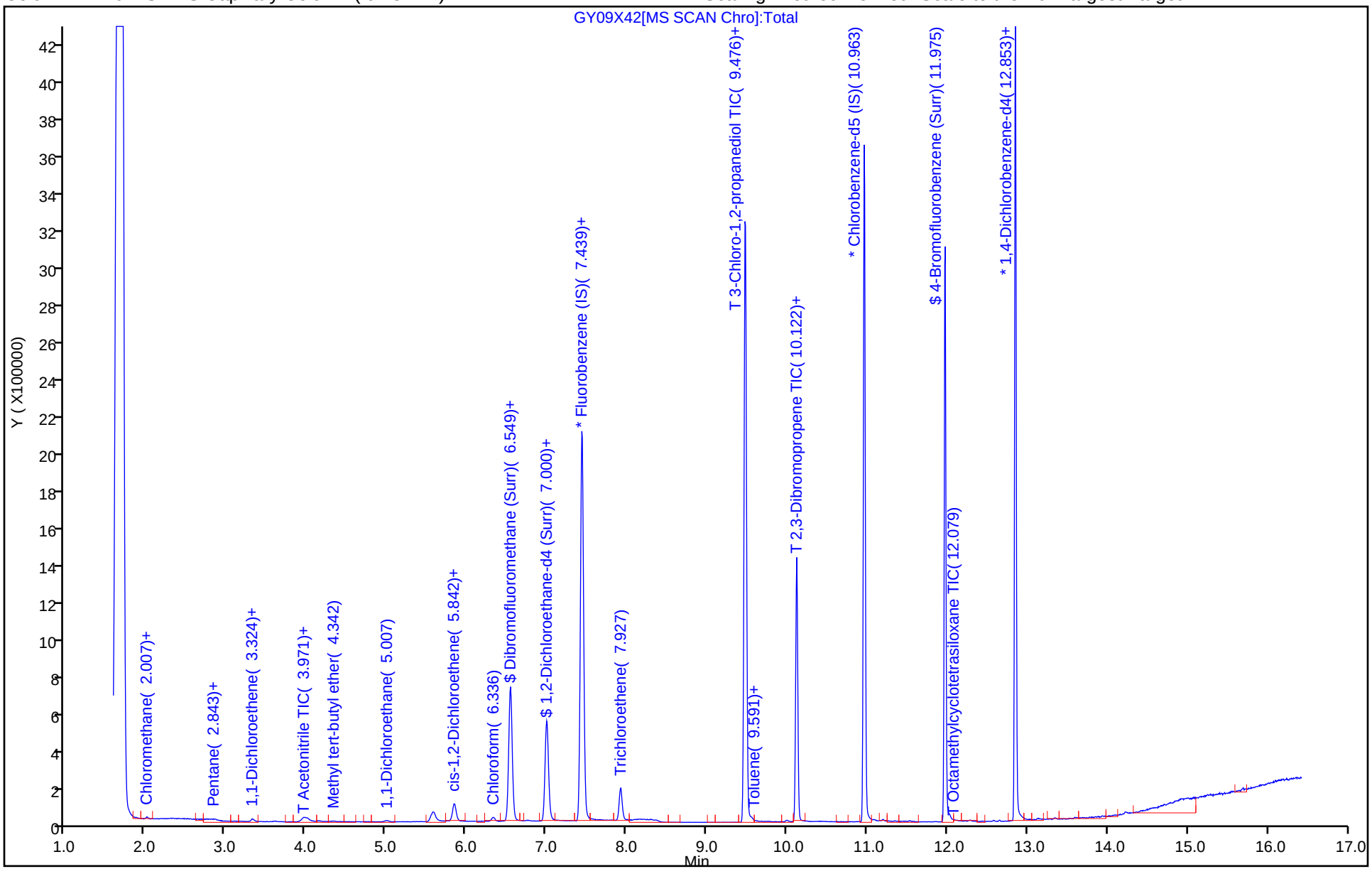
Report Date: 10-May-2024 09:51:01 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X42.D

Injection Date:	09-May-2024 21:53:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	410-169938-A-6	Lab Sample ID:	410-169938-6	Worklist Smp#:	13
Client ID:	HD-COD-SW-15-0/1-0				
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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X42.D				
Lims ID:	410-169938-A-6				
Client ID:	HD-COD-SW-15-0/1-0				
Sample Type:	Client				
Inject. Date:	09-May-2024 21:53:30	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0113528-013				
Operator ID:	gaw91131	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	10-May-2024 09:51:01	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:	CTX1619				

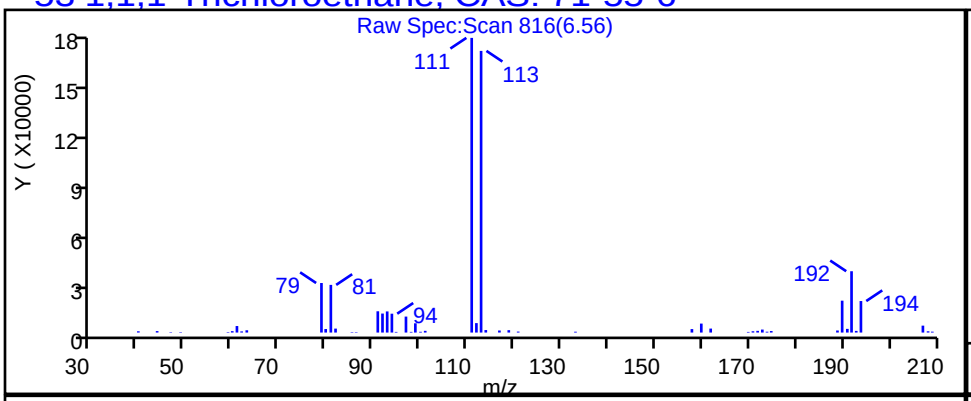
First Level Reviewer: N9NA Date: 10-May-2024 09:51:01

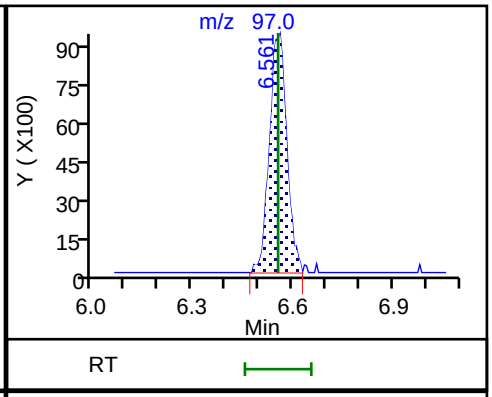
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.75	97.48
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	103.47
$ 83 Toluene-d8 (Surr)	10.0	10.2	101.54
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.80	98.04

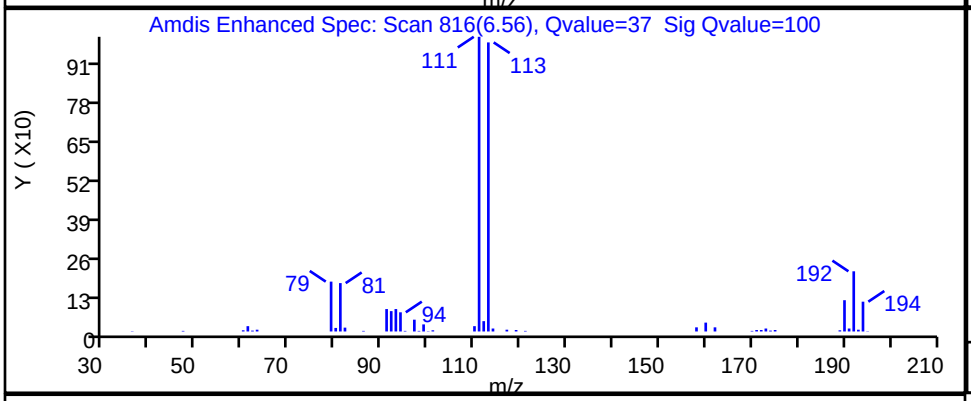
Eurofins Lancaster Laboratories Environment Testing, LLC

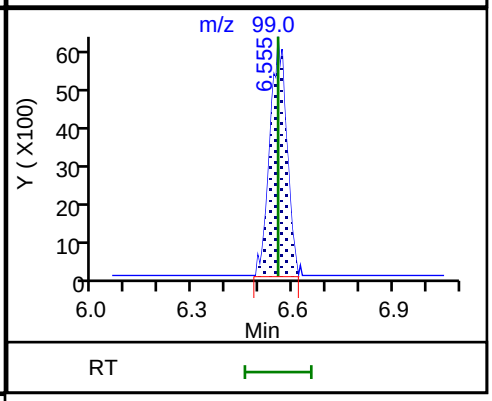
Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X42.D				
Injection Date:	09-May-2024 21:53:30	Instrument ID:	16334		
Lims ID:	410-169938-A-6	Lab Sample ID:	410-169938-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 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		

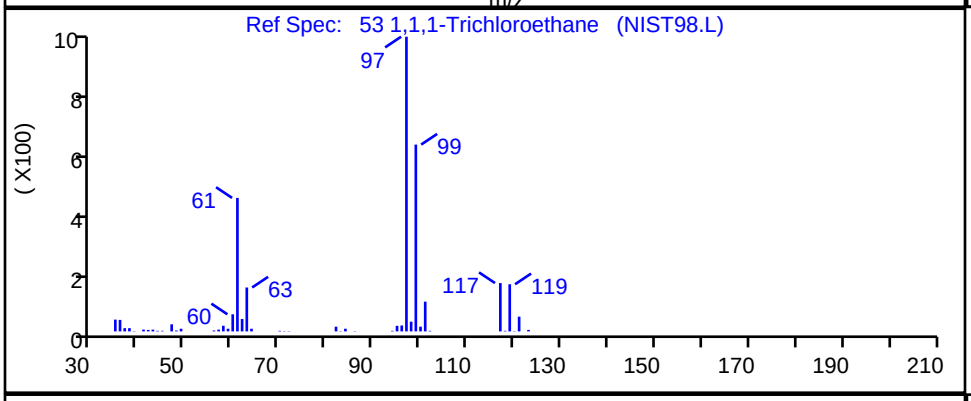
53 1,1,1-Trichloroethane, CAS: 71-55-6

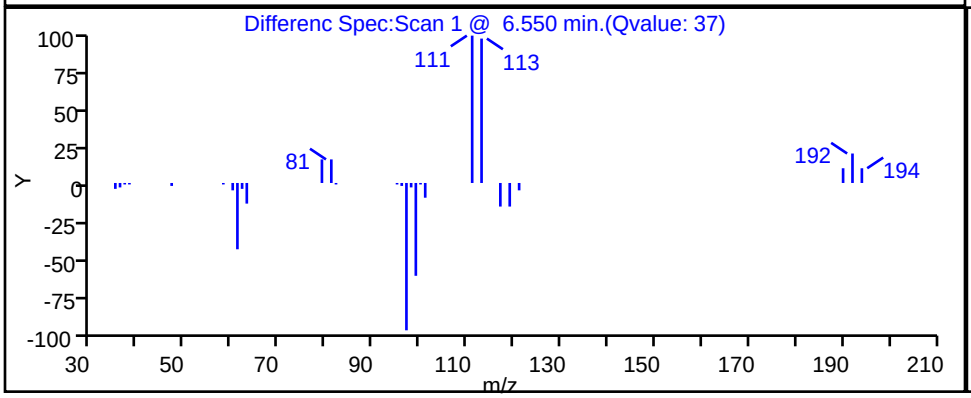


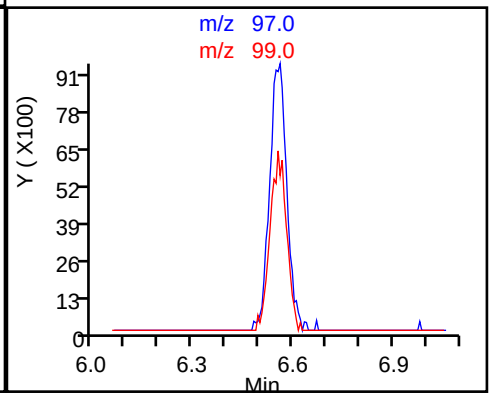








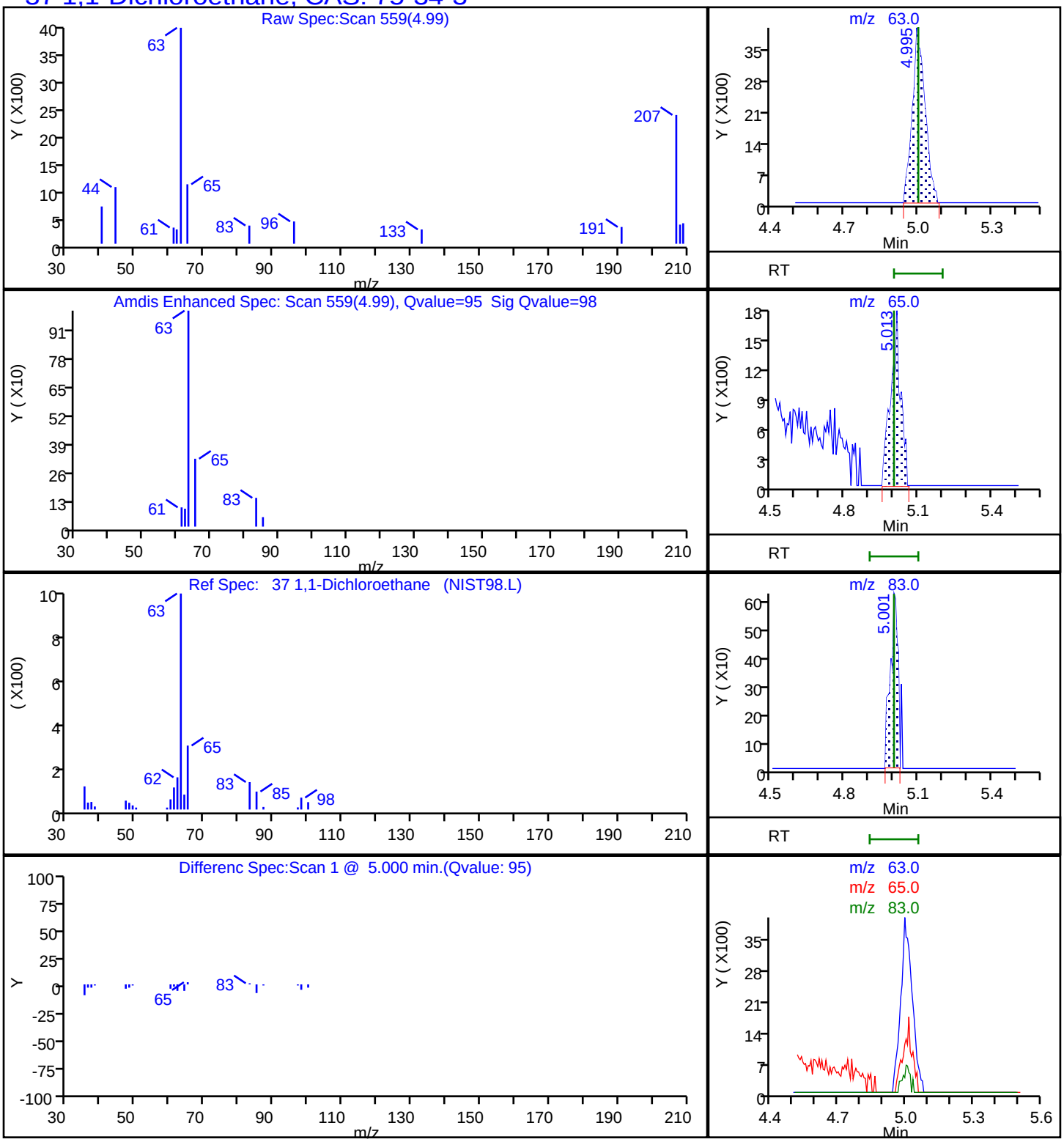




Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X42.D				
Injection Date:	09-May-2024 21:53:30	Instrument ID:	16334		
Lims ID:	410-169938-A-6	Lab Sample ID:	410-169938-6		
Client ID:	HD-COD-SW-15-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

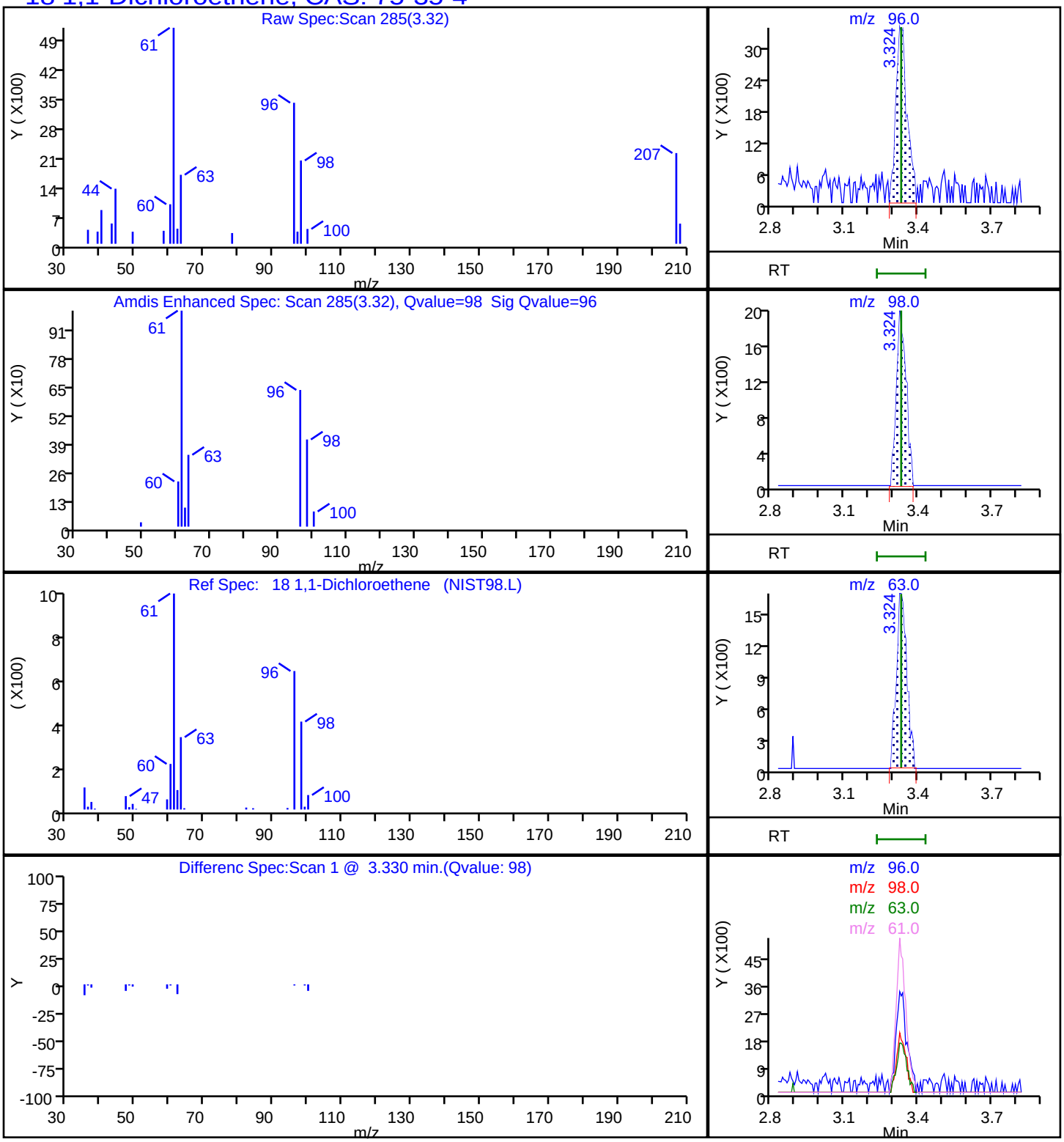
37 1,1-Dichloroethane, CAS: 75-34-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X42.D				
Injection Date:	09-May-2024 21:53:30	Instrument ID:	16334		
Lims ID:	410-169938-A-6	Lab Sample ID:	410-169938-6		
Client ID:	HD-COD-SW-15-0/1-0				
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		

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

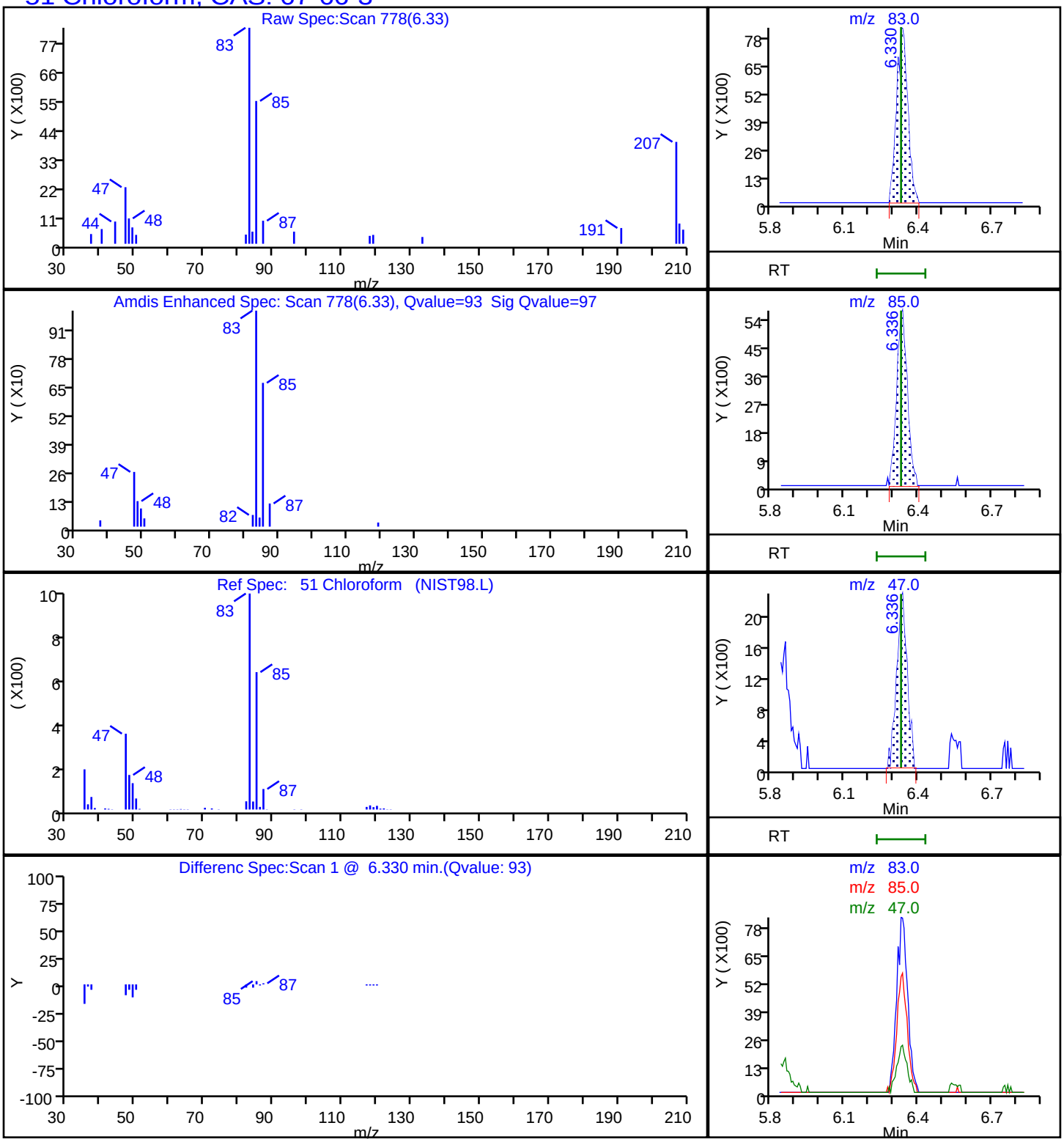


Report Date: 10-May-2024 09:51:01 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X42.D				
Injection Date:	09-May-2024 21:53:30	Instrument ID:	16334		
Lims ID:	410-169938-A-6	Lab Sample ID:	410-169938-6		
Client ID:	HD-COD-SW-15-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

51 Chloroform, CAS: 67-66-3



Report Date: 10-May-2024 09:51:01 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X42.D

Injection Date: 09-May-2024 21:53:30 Instrument ID: 16334

Lims ID: 410-169938-A-6 Lab Sample ID: 410-169938-6

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

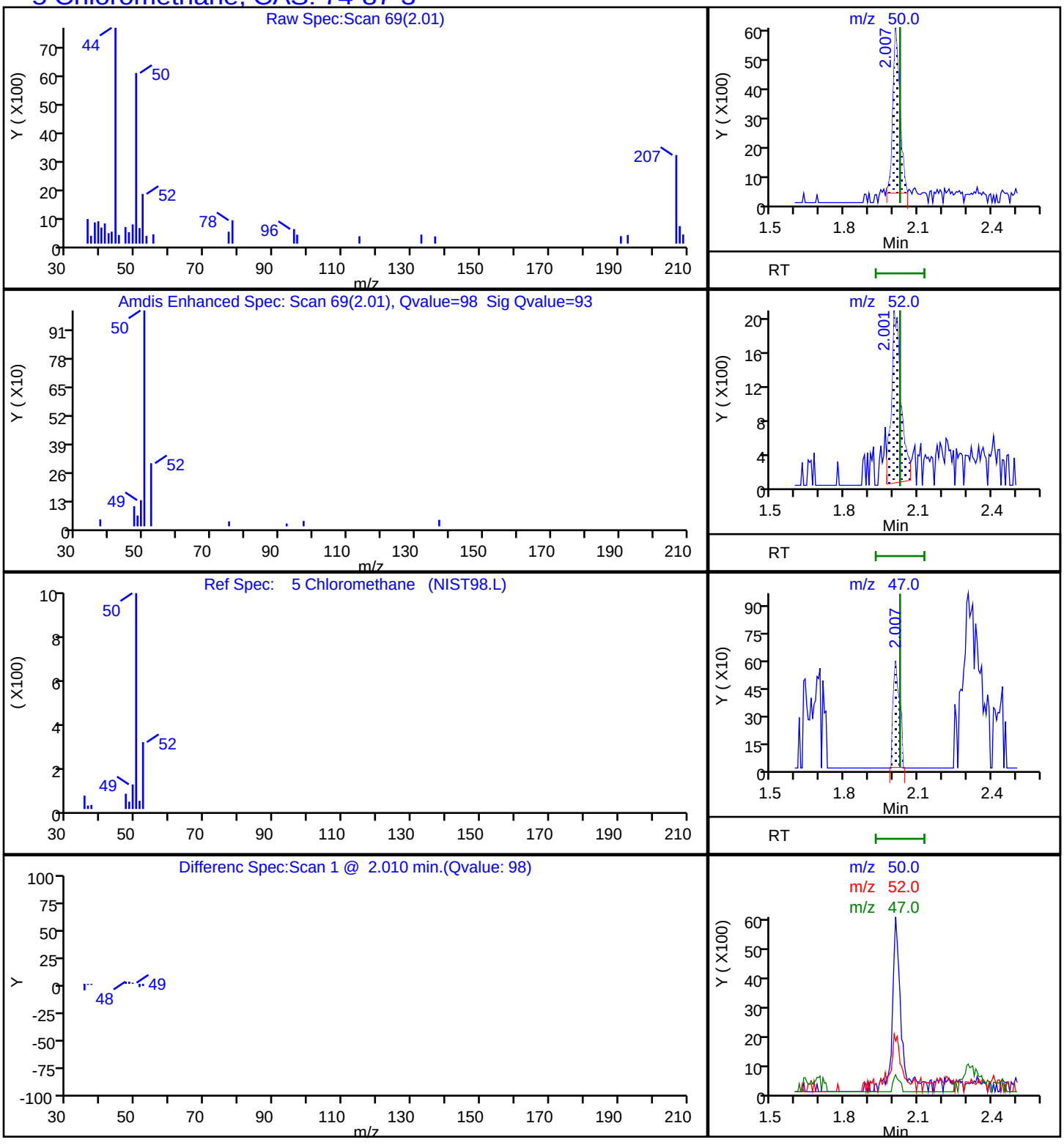
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_16334_25mL Limit Group: MSV - 8260C_D

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

5 Chloromethane, CAS: 74-87-3



Report Date: 10-May-2024 09:51:01 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X42.D

Injection Date: 09-May-2024 21:53:30 Instrument ID: 16334

Lims ID: 410-169938-A-6 Lab Sample ID: 410-169938-6

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

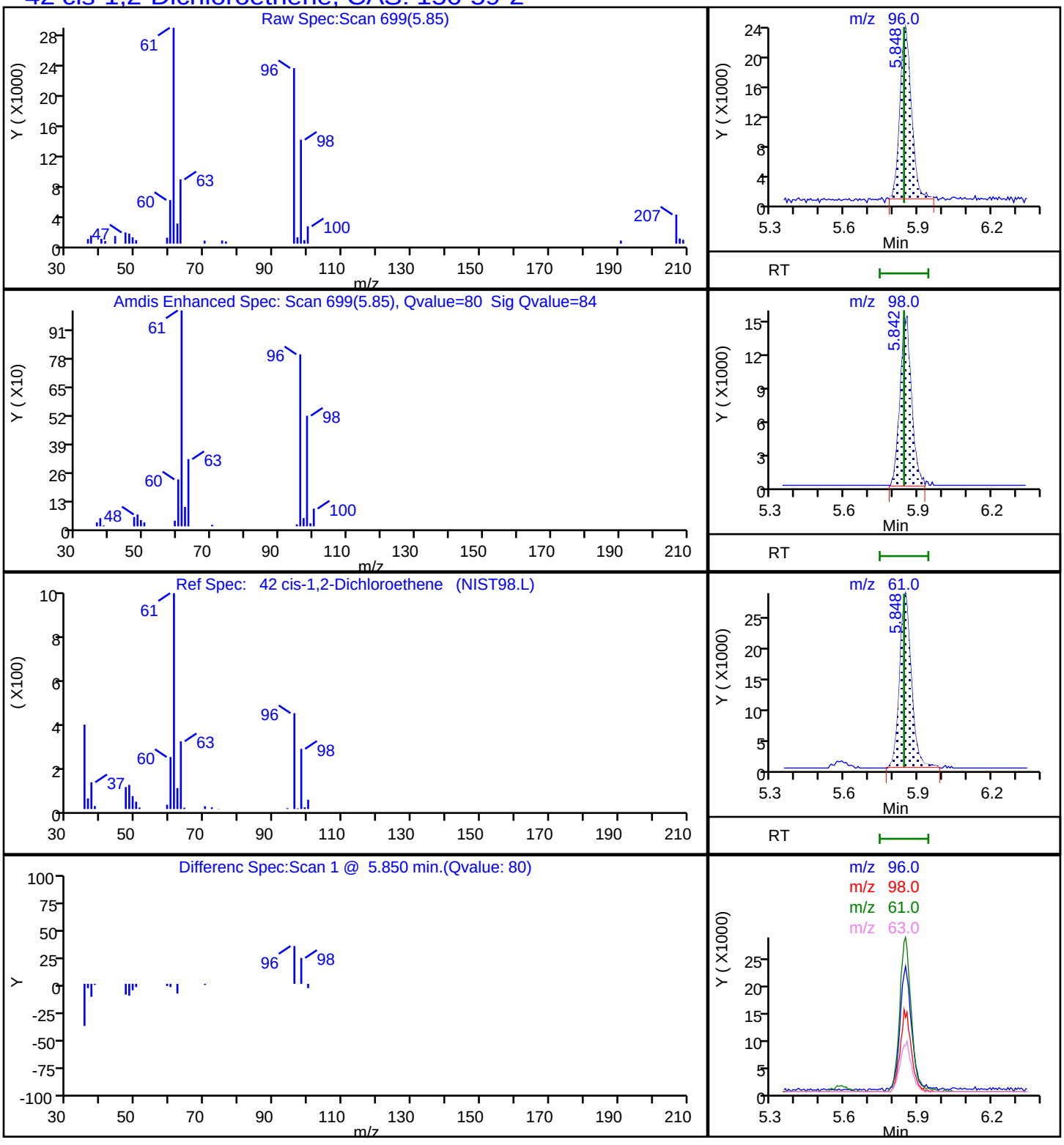
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_16334_25mL Limit Group: MSV - 8260C_D

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

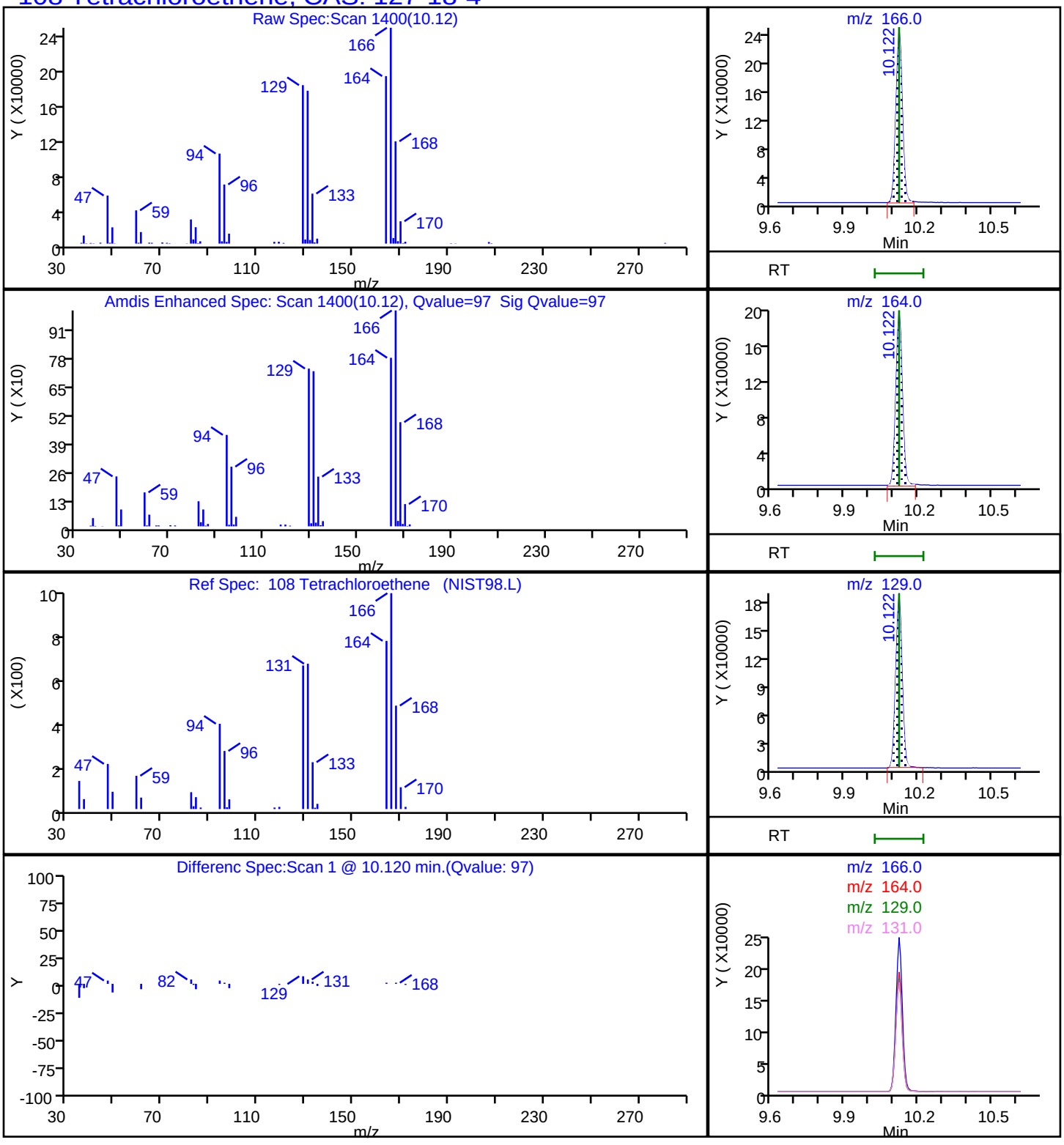
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X42.D				
Injection Date:	09-May-2024 21:53:30	Instrument ID:	16334		
Lims ID:	410-169938-A-6	Lab Sample ID:	410-169938-6		
Client ID:	HD-COD-SW-15-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

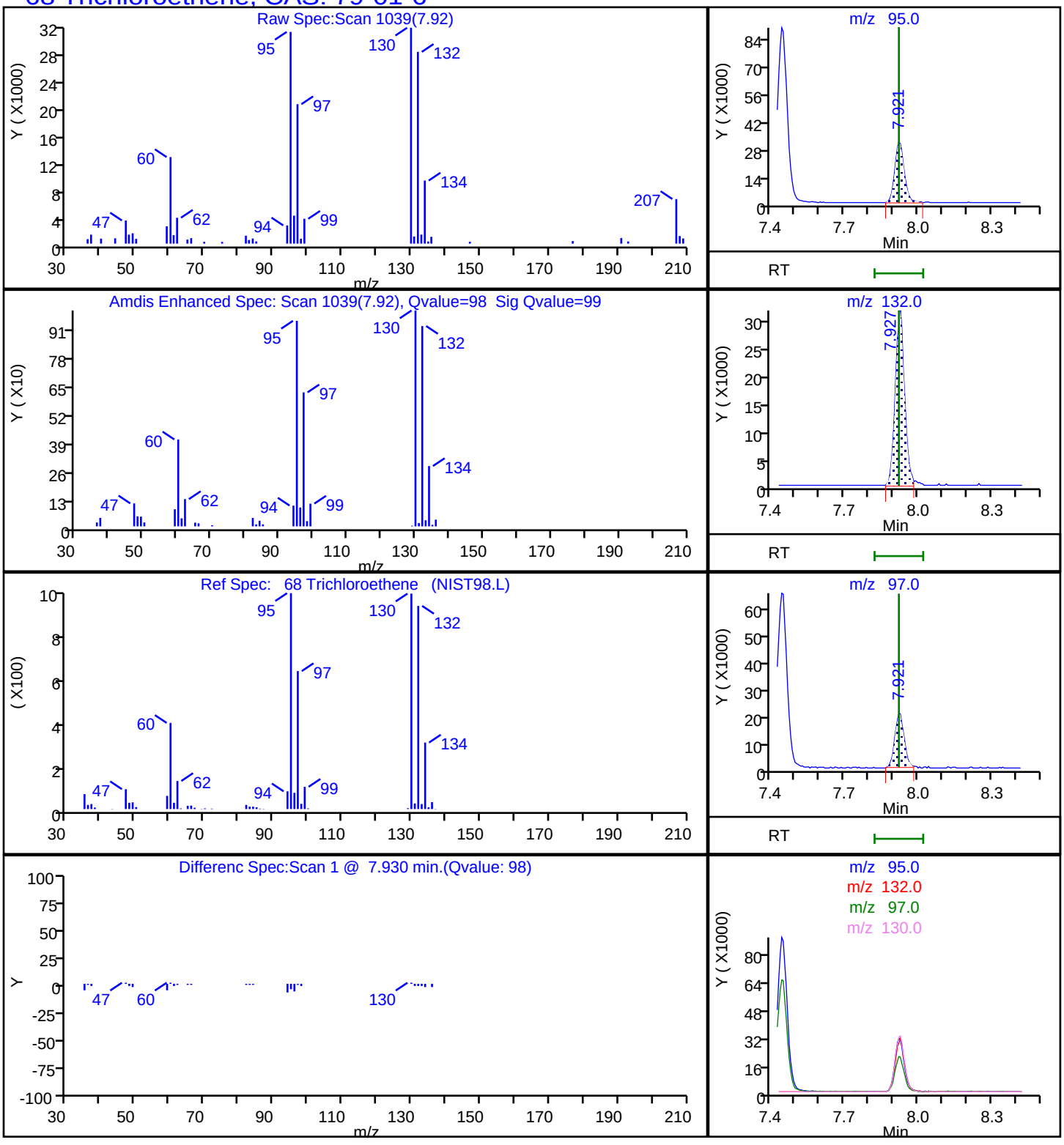
108 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X42.D				
Injection Date:	09-May-2024 21:53:30	Instrument ID:	16334		
Lims ID:	410-169938-A-6	Lab Sample ID:	410-169938-6		
Client ID:	HD-COD-SW-15-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

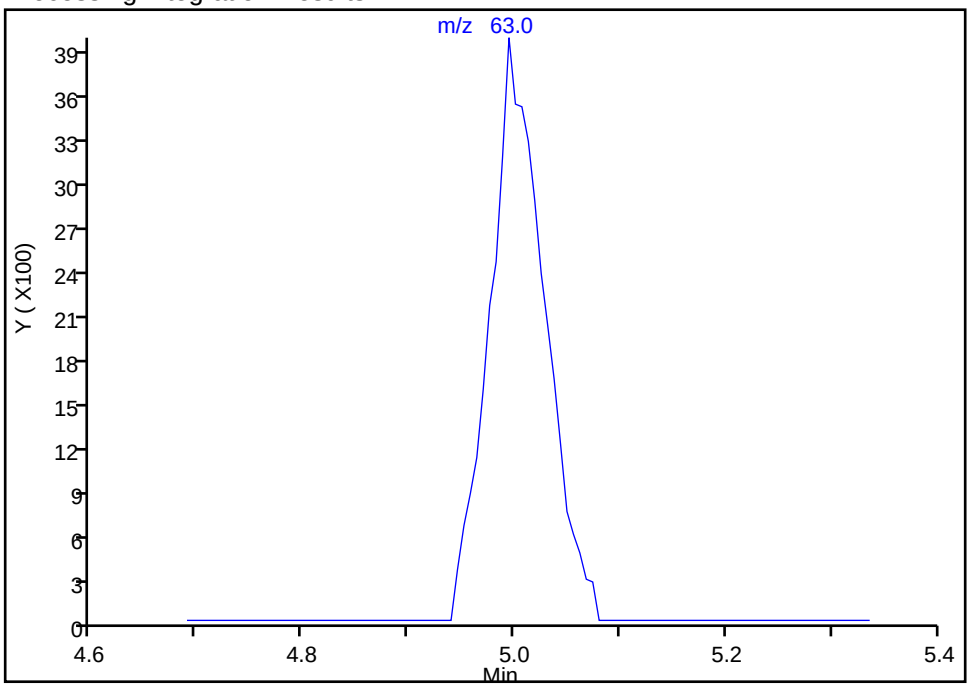
Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X42.D				
Injection Date:	09-May-2024 21:53:30	Instrument ID:	16334		
Lims ID:	410-169938-A-6	Lab Sample ID:	410-169938-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 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		

37 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

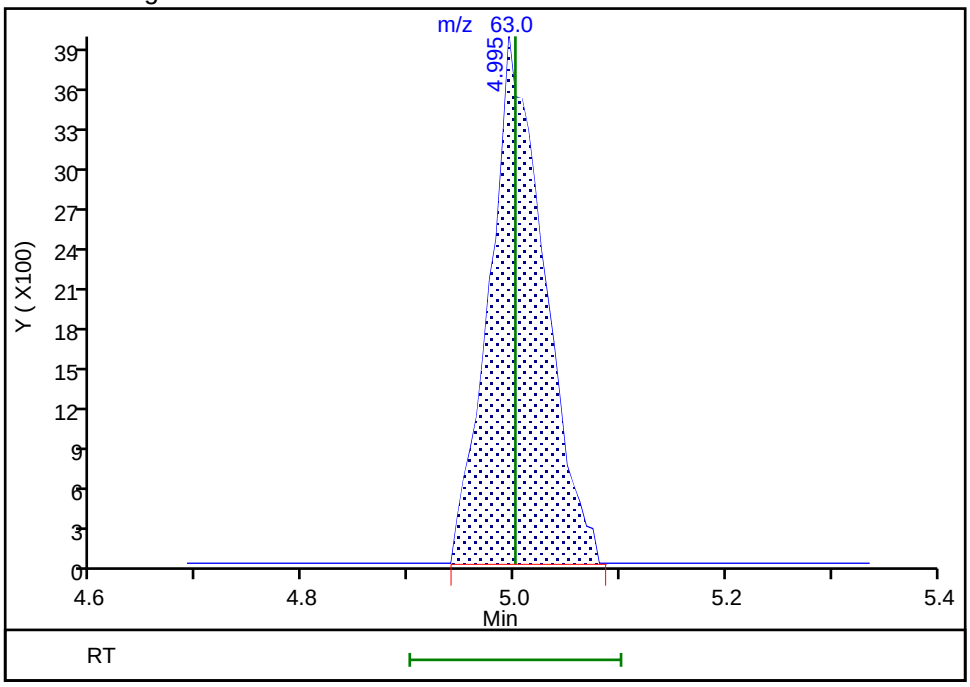
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 4.99
Area: 14328
Amount: 0.125451
Amount Units: ug/l



Reviewer: N9NA, 10-May-2024 09:45:47 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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-16-0/1-0
Lab Sample ID: 410-169938-7

Matrix: Water
Lab File ID: GY09X48.D

Analysis Method: 8260D
Date Collected: 04/29/2024 09:55

Sample wt/vol: 25(mL)
Date Analyzed: 05/10/2024 00:09

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.: 504341
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	1.6	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	0.13	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	1.5		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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-16-0/1-0
Lab Sample ID: 410-169938-7

Matrix: Water
Lab File ID: GY09X48.D

Analysis Method: 8260D
Date Collected: 04/29/2024 09:55

Sample wt/vol: 25(mL)
Date Analyzed: 05/10/2024 00:09

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.: 504341
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	0.14	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)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		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\20240509-113528.b\GY09X48.D
Lims ID: 410-169938-A-7
Client ID: HD-COD-SW-16-0/1-0
Sample Type: Client
Inject. Date: 10-May-2024 00:09:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-019
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 13:02:31 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: CTX1619

First Level Reviewer: N9NA Date: 10-May-2024 13:02:31

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	5 Chloromethane	50	2.014	2.026	-0.012	92	5281	0.0628	
	6 Vinyl chloride	62		2.135				ND	7
	9 Bromomethane	94		2.446				ND	
	10 Chloroethane	64		2.526				ND	7
	18 1,1-Dichloroethene	96		3.330				ND	U
	19 Acetone	43	3.373	3.361	0.012	90	11871	1.63	
	24 Carbon disulfide	76		3.605				ND	7
	29 Methylene Chloride	84		3.946				ND	
*	30 t-Butyl alcohol-d10 (IS)	65	4.007	3.977	0.030	27	132470	50.0	
	33 Methyl tert-butyl ether	73		4.336				ND	7
	34 trans-1,2-Dichloroethene	96		4.342				ND	
	37 1,1-Dichloroethane	63		5.001				ND	
	41 2-Butanone (MEK)	43		5.824				ND	
	42 cis-1,2-Dichloroethene	96	5.842	5.842	0.000	78	9580	0.1255	
	49 Chlorobromomethane	128		6.171				ND	
	51 Chloroform	83	6.330	6.330	0.000	90	5144	0.0408	
$	52 Dibromofluoromethane (Surr)	113	6.549	6.549	0.000	93	642711	9.62	
	53 1,1,1-Trichloroethane	97		6.555				ND	U
	55 Carbon tetrachloride	117		6.769				ND	
$	59 1,2-Dichloroethane-d4 (Surr)	102	7.000	7.000	0.000	66	123783	10.2	
	60 Benzene	78		7.031				ND	7
	61 1,2-Dichloroethane	62		7.104				ND	
*	64 Fluorobenzene (IS)	96	7.439	7.439	0.000	99	2799111	10.0	
	68 Trichloroethene	95	7.927	7.921	0.006	96	10622	0.1413	
	70 1,2-Dichloropropane	63		8.250				ND	
	76 Dichlorobromomethane	83		8.598				ND	
	81 cis-1,3-Dichloropropene	75		9.158				ND	
	82 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	7
$	83 Toluene-d8 (Surr)	98	9.475	9.482	-0.007	94	2722395	10.3	
	84 Toluene	92	9.555	9.561	-0.006	98	10659	0.0601	
	85 trans-1,3-Dichloropropene	75		9.829				ND	
	107 1,1,2-Trichloroethane	97		10.036				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.122	10.122	0.000	97	126675	1.50	
110 2-Hexanone	43		10.262				ND	
112 Chlorodibromomethane	129		10.414				ND	
113 Ethylene Dibromide	107		10.524				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	2044448	10.0	
116 Chlorobenzene	112		10.993				ND	
117 1,1,1,2-Tetrachloroethane	131		11.073				ND	
118 Ethylbenzene	91		11.079				ND	7
120 m-Xylene & p-Xylene	106		11.195				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.530				ND	7
122 Styrene	104		11.542				ND	7
123 Bromoform	173		11.695				ND	7
$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	90	946382	9.74	
128 1,1,2,2-Tetrachloroethane	83		12.079				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.853	12.853	0.000	96	1052724	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00087 Amount Added: 1.00 Units: uL Run Reagent

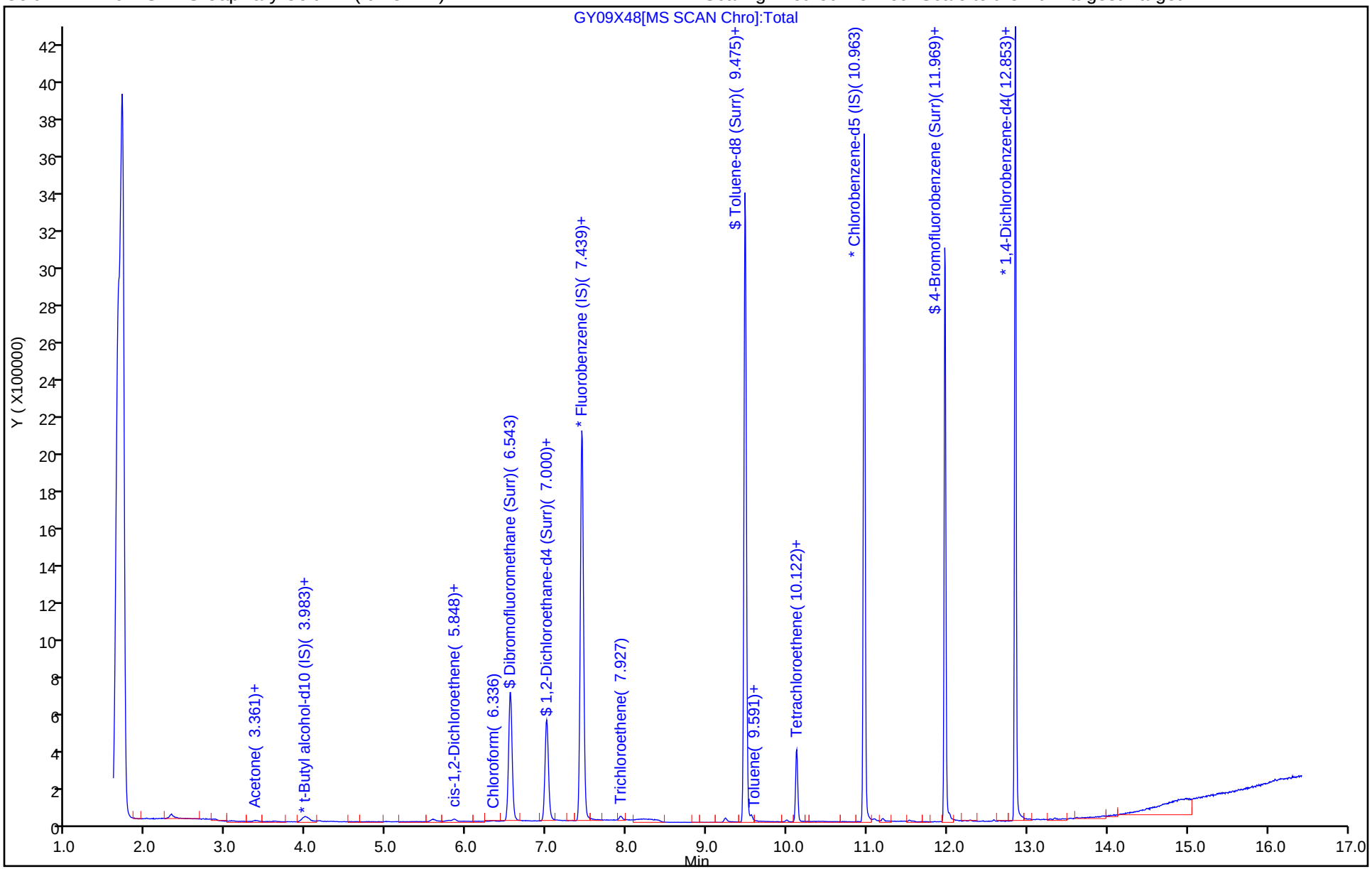
Report Date: 10-May-2024 13:02:31 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X48.D

Injection Date:	10-May-2024 00:09:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	410-169938-A-7	Lab Sample ID:	410-169938-7	Worklist Smp#:	19
Client ID:	HD-COD-SW-16-0/1-0				
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\20240509-113528.b\GY09X48.D				
Lims ID:	410-169938-A-7				
Client ID:	HD-COD-SW-16-0/1-0				
Sample Type:	Client				
Inject. Date:	10-May-2024 00:09:30	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0113528-019				
Operator ID:	gaw91131	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	10-May-2024 13:02:31	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:	CTX1619				

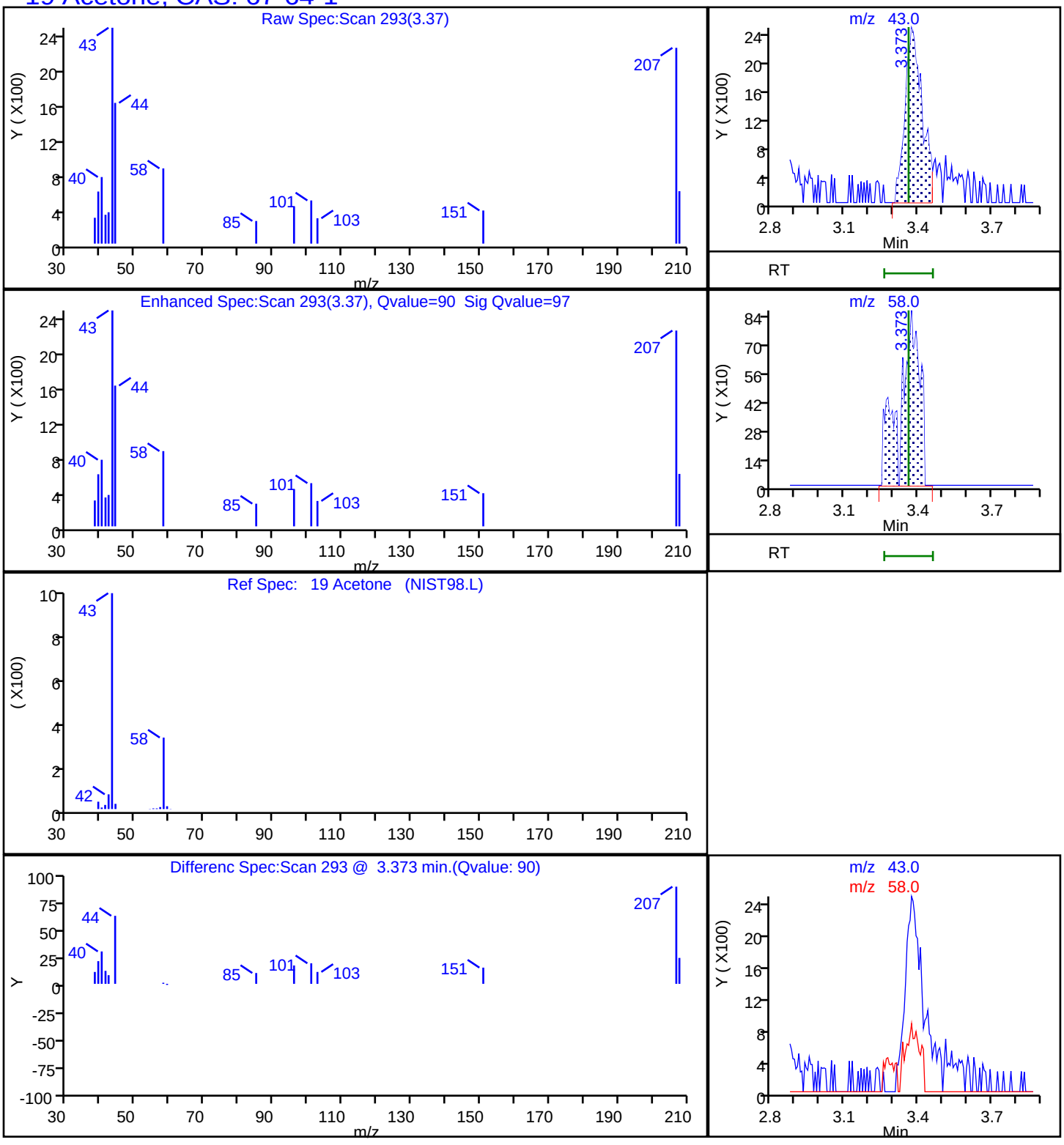
First Level Reviewer: N9NA Date: 10-May-2024 13:02:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.62	96.15
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	102.31
$ 83 Toluene-d8 (Surr)	10.0	10.3	102.69
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.74	97.43

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X48.D				
Injection Date:	10-May-2024 00:09:30	Instrument ID:	16334		
Lims ID:	410-169938-A-7	Lab Sample ID:	410-169938-7		
Client ID:	HD-COD-SW-16-0/1-0				
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		

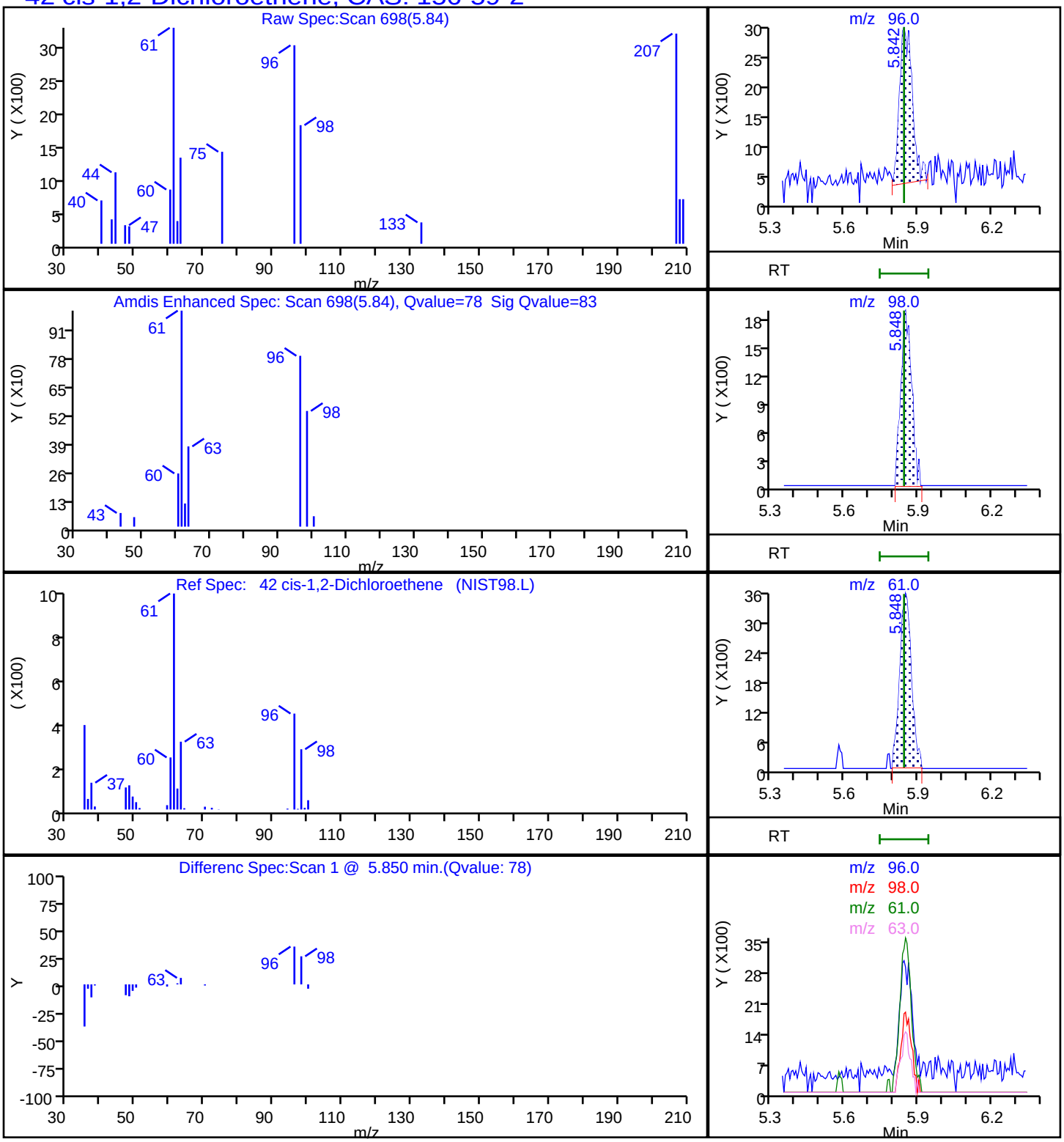
19 Acetone, CAS: 67-64-1



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X48.D				
Injection Date:	10-May-2024 00:09:30	Instrument ID:	16334		
Lims ID:	410-169938-A-7	Lab Sample ID:	410-169938-7		
Client ID:	HD-COD-SW-16-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

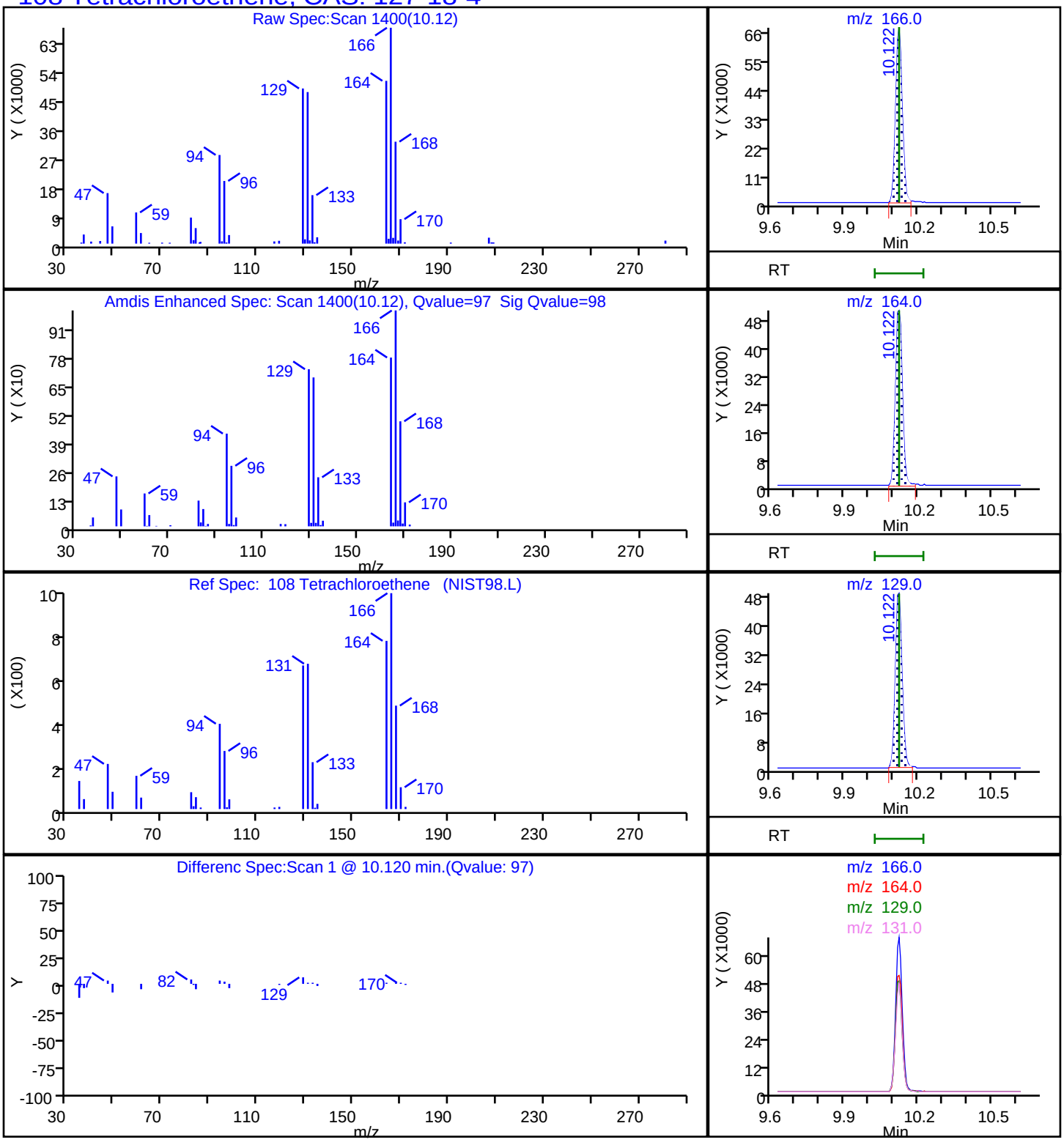
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X48.D				
Injection Date:	10-May-2024 00:09:30	Instrument ID:	16334		
Lims ID:	410-169938-A-7	Lab Sample ID:	410-169938-7		
Client ID:	HD-COD-SW-16-0/1-0				
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		

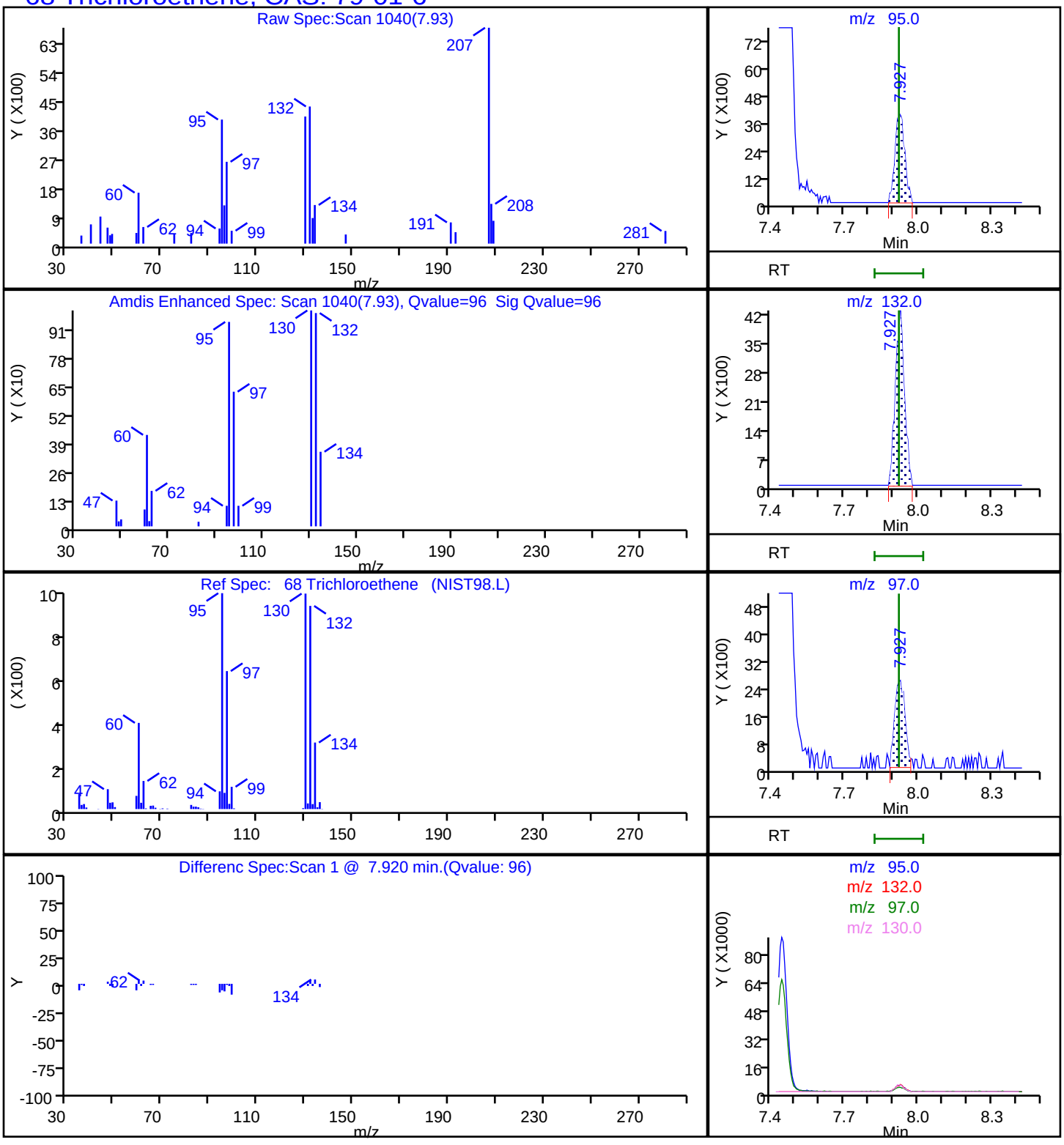
108 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X48.D				
Injection Date:	10-May-2024 00:09:30	Instrument ID:	16334		
Lims ID:	410-169938-A-7	Lab Sample ID:	410-169938-7		
Client ID:	HD-COD-SW-16-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



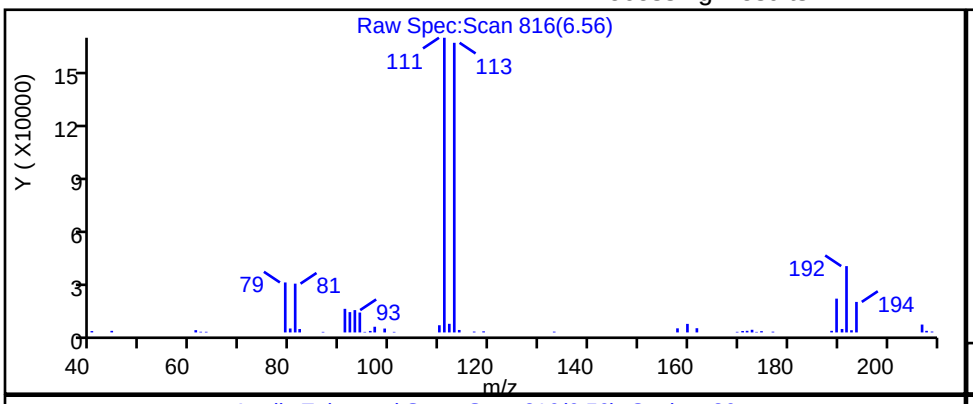
User Disabled Compound Report

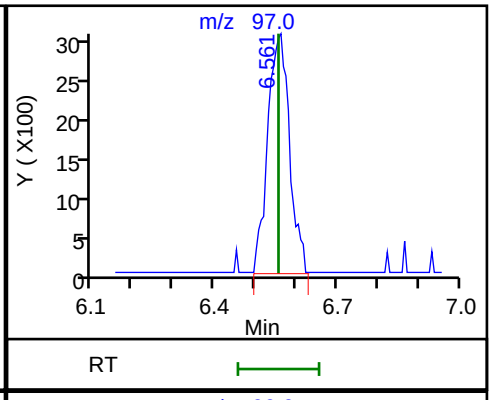
Eurofins Lancaster Laboratories Environment Testing, LLC

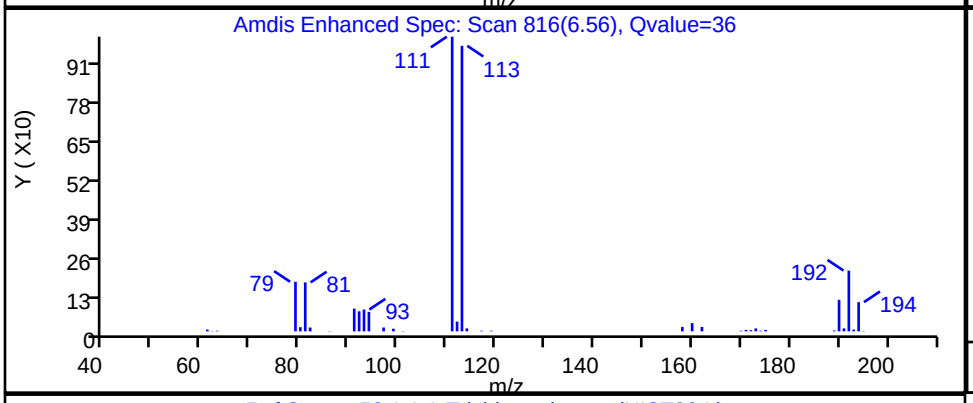
Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X48.D				
Injection Date:	10-May-2024 00:09:30	Instrument ID:	16334		
Lims ID:	410-169938-A-7	Lab Sample ID:	410-169938-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 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		

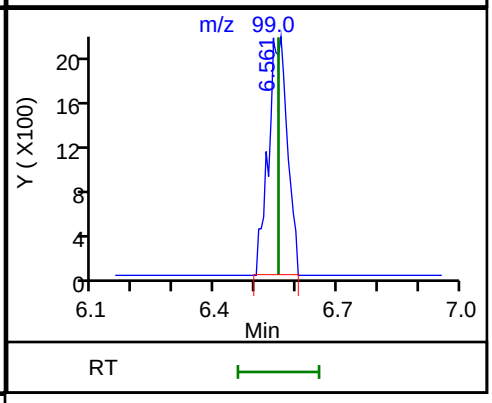
53 1,1,1-Trichloroethane, CAS: 71-55-6

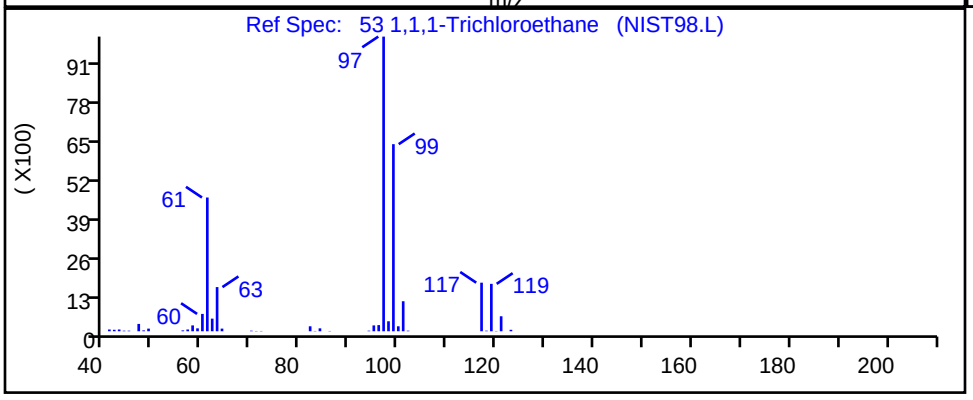
Processing Results











RT	Mass	Response	Amount
6.56	97.00	11486	0.103101
6.56	99.00	6866	

Reviewer: N9NA, 10-May-2024 13:01:41 07:00:00 (UTC)

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

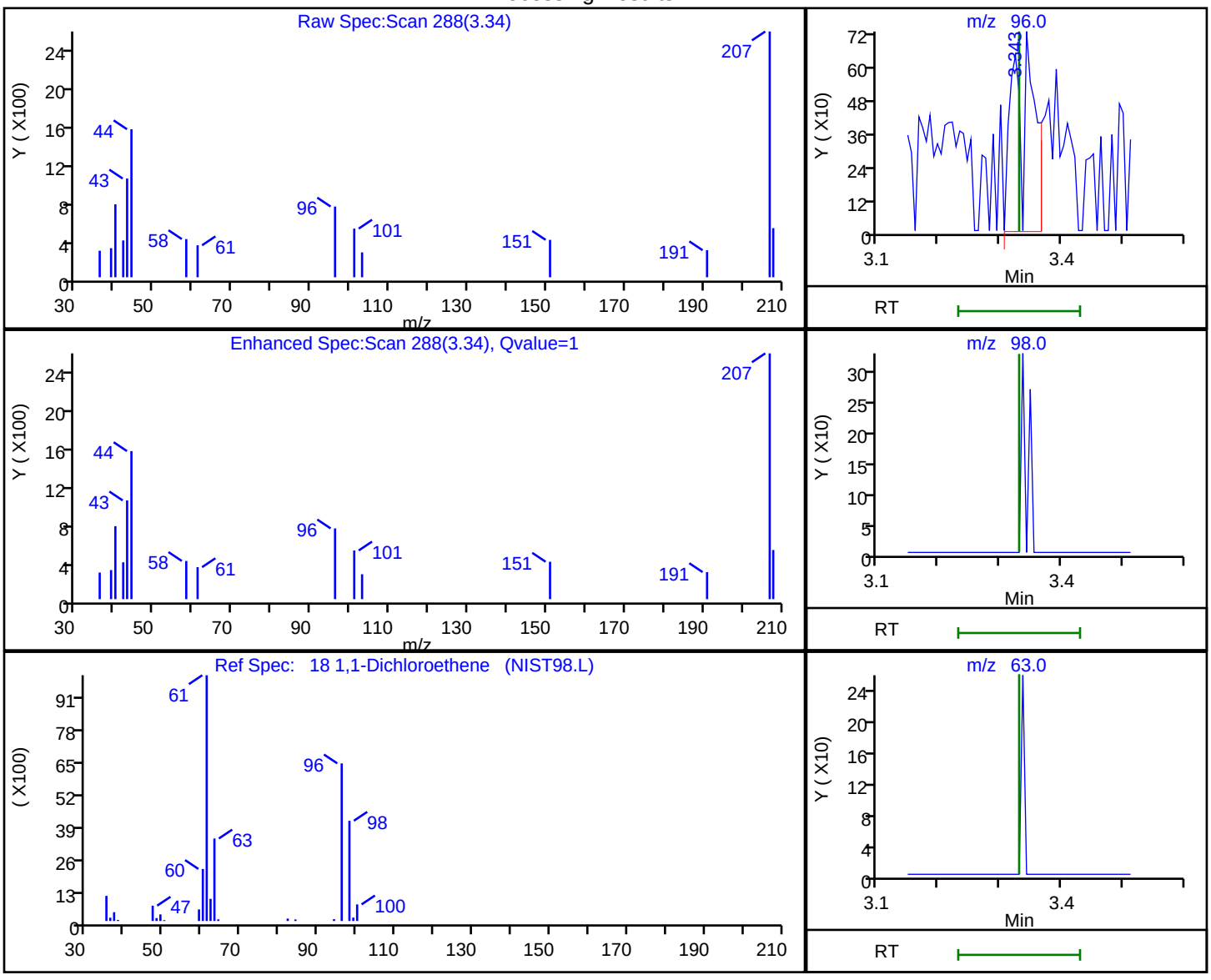
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X48.D				
Injection Date:	10-May-2024 00:09:30	Instrument ID:	16334		
Lims ID:	410-169938-A-7	Lab Sample ID:	410-169938-7		
Client ID:	HD-COD-SW-16-0/1-0				
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		

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

Processing Results



RT	Mass	Response	Amount
3.34	96.00	1697	0.029875
3.33	98.00	0	
3.33	63.00	0	
3.33	61.00	641	

Reviewer: N9NA, 10-May-2024 13:01:25 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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0
Lab Sample ID: 410-169938-8

Matrix: Water
Lab File ID: GY09X57.D

Analysis Method: 8260D
Date Collected: 04/29/2024 10:05

Sample wt/vol: 25(mL)
Date Analyzed: 05/10/2024 03:27

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.: 504341
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	9.2		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	1.8		0.50	0.10
75-35-4	1,1-Dichloroethene	0.73		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	0.20	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	3.2		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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0
Lab Sample ID: 410-169938-8

Matrix: Water
Lab File ID: GY09X57.D

Analysis Method: 8260D
Date Collected: 04/29/2024 10:05

Sample wt/vol: 25(mL)
Date Analyzed: 05/10/2024 03:27

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.: 504341
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	4.1		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)	99		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\16334\20240509-113528.b\GY09X57.D
Lims ID: 410-169938-A-8
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 10-May-2024 03:27:30 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-028
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 15:26:10 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: CTX1619

First Level Reviewer: N9NA Date: 10-May-2024 15:26:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.026				ND	
6 Vinyl chloride	62		2.135				ND	7
9 Bromomethane	94		2.446				ND	
10 Chloroethane	64		2.526				ND	
18 1,1-Dichloroethene	96	3.342	3.330	0.012	97	33601	0.7337	
19 Acetone	43	3.397	3.361	0.036	44	5151	0.8862	
24 Carbon disulfide	76		3.605				ND	7
29 Methylene Chloride	84		3.946				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	4.013	3.977	0.036	27	105451	50.0	
33 Methyl tert-butyl ether	73	4.348	4.336	0.012	63	3070	0.0279	
34 trans-1,2-Dichloroethene	96		4.342				ND	7
37 1,1-Dichloroethane	63	5.013	5.001	0.012	96	165010	1.79	
41 2-Butanone (MEK)	43		5.824				ND	
42 cis-1,2-Dichloroethene	96	5.854	5.842	0.012	79	194666	3.16	
49 Chlorobromomethane	128		6.171				ND	
51 Chloroform	83	6.342	6.330	0.012	93	20397	0.2005	
$ 52 Dibromofluoromethane (Surr)	113	6.555	6.549	0.006	91	531742	9.87	
53 1,1,1-Trichloroethane	97	6.561	6.555	0.006	98	824825	9.18	
55 Carbon tetrachloride	117		6.769				ND	7
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.012	7.000	0.012	66	102748	10.5	
60 Benzene	78		7.031				ND	7
61 1,2-Dichloroethane	62		7.104				ND	
* 64 Fluorobenzene (IS)	96	7.445	7.439	0.006	99	2256776	10.0	
68 Trichloroethene	95	7.927	7.921	0.006	99	249586	4.12	
70 1,2-Dichloropropane	63		8.250				ND	
76 Dichlorobromomethane	83		8.598				ND	
81 cis-1,3-Dichloropropene	75		9.158				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	7
$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2166090	9.90	
84 Toluene	92	9.555	9.561	-0.006	98	6060	0.0414	
85 trans-1,3-Dichloropropene	75		9.829				ND	
107 1,1,2-Trichloroethane	97		10.036				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.122	10.122	0.000	94	10188626	146.1	E
110 2-Hexanone	43		10.262				ND	
112 Chlorodibromomethane	129		10.414				ND	
113 Ethylene Dibromide	107		10.524				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.969	10.963	0.006	86	1687249	10.0	
116 Chlorobenzene	112		10.993				ND	
117 1,1,1,2-Tetrachloroethane	131		11.073				ND	
118 Ethylbenzene	91		11.079				ND	7
120 m-Xylene & p-Xylene	106		11.195				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.530				ND	7
122 Styrene	104		11.542				ND	
123 Bromoform	173		11.695				ND	7
$ 127 4-Bromofluorobenzene (Surr)	95	11.975	11.969	0.006	91	758786	9.47	
128 1,1,2,2-Tetrachloroethane	83		12.079				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.853	12.853	0.000	96	852177	10.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

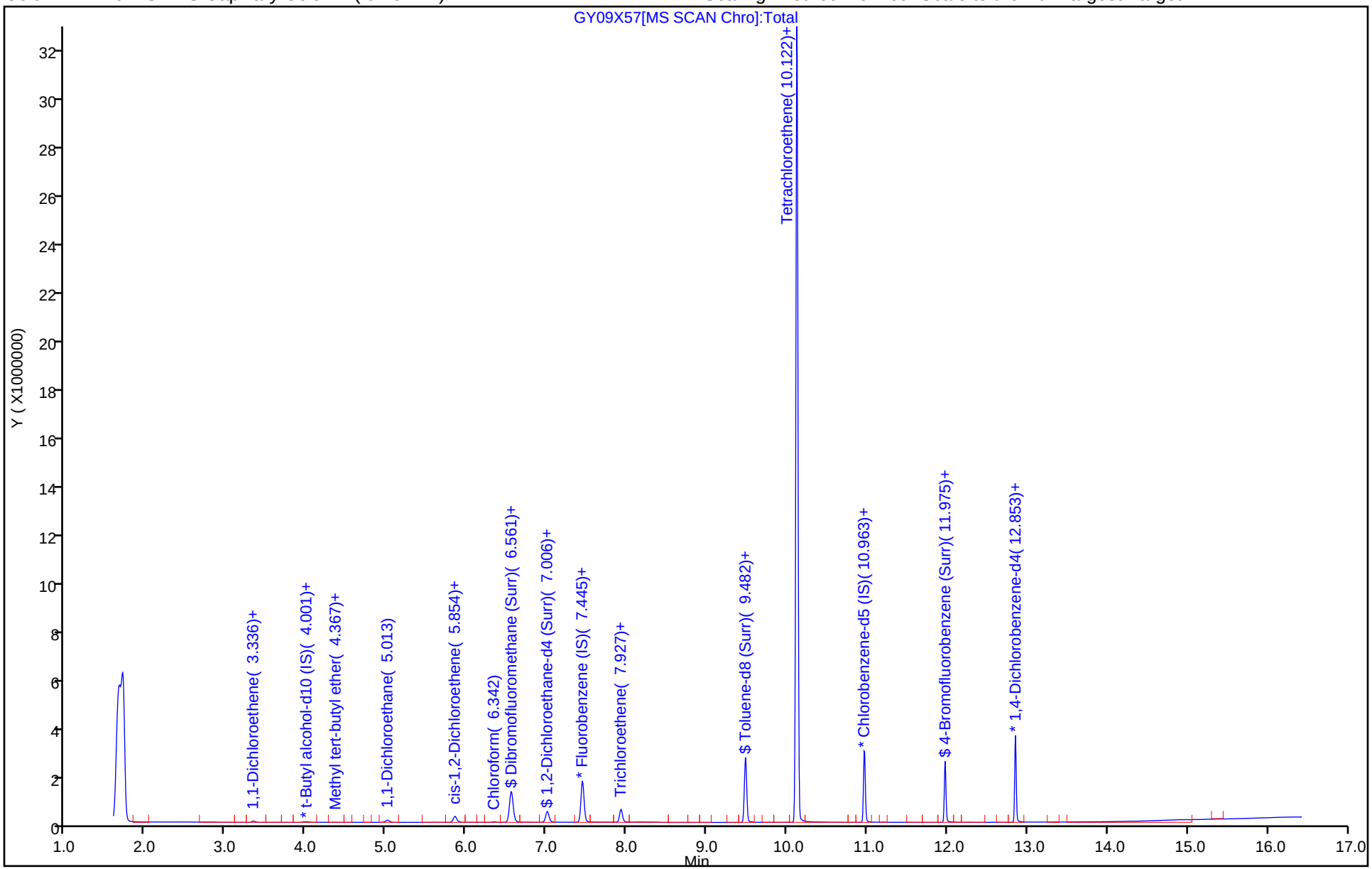
MSV_HP25_ISSS_00087 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 10-May-2024 15:26:11 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X57.D				
Injection Date:	10-May-2024 03:27:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	410-169938-A-8	Lab Sample ID:	410-169938-8	Worklist Smp#:	28
Client ID:	HD-COD-SW-17-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
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\20240509-113528.b\GY09X57.D				
Lims ID:	410-169938-A-8				
Client ID:	HD-COD-SW-17-0/1-0				
Sample Type:	Client				
Inject. Date:	10-May-2024 03:27:30	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0113528-028				
Operator ID:	gaw91131	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	10-May-2024 15:26:10	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:	CTX1619				

First Level Reviewer: N9NA Date: 10-May-2024 15:26:10

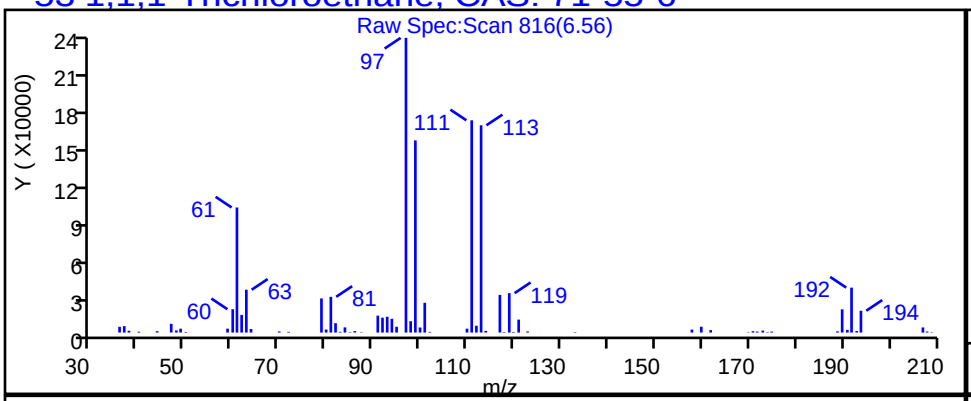
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.87	98.67
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	105.33
$ 83 Toluene-d8 (Surr)	10.0	9.90	99.00
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.47	94.66

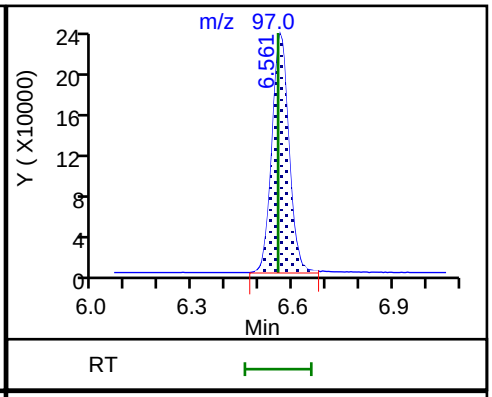
Report Date: 10-May-2024 15:26:11 Chrom Revision: 2.3 01-May-2024 15:52:26

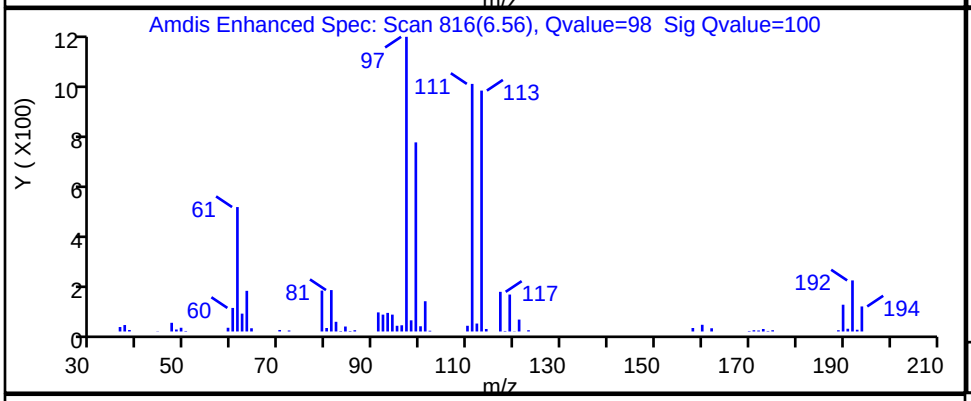
Eurofins Lancaster Laboratories Environment Testing, LLC

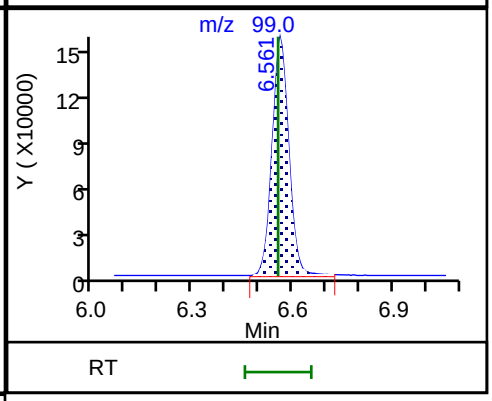
Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X57.D				
Injection Date:	10-May-2024 03:27:30	Instrument ID:	16334		
Lims ID:	410-169938-A-8	Lab Sample ID:	410-169938-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	25.000 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		

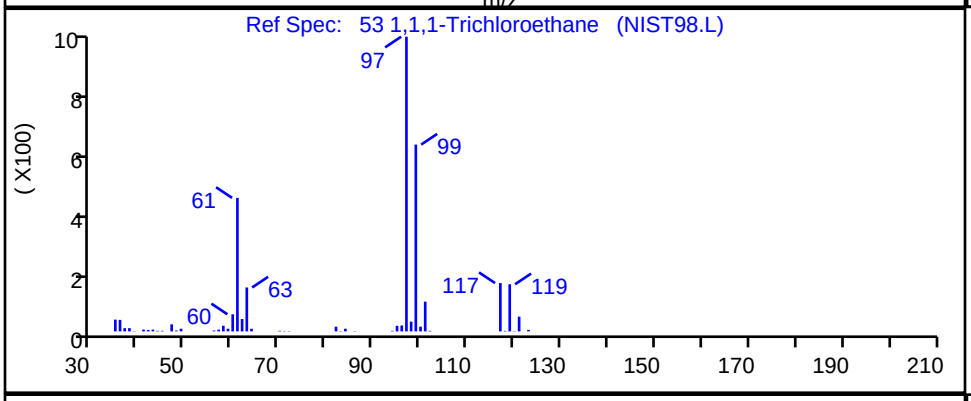
53 1,1,1-Trichloroethane, CAS: 71-55-6

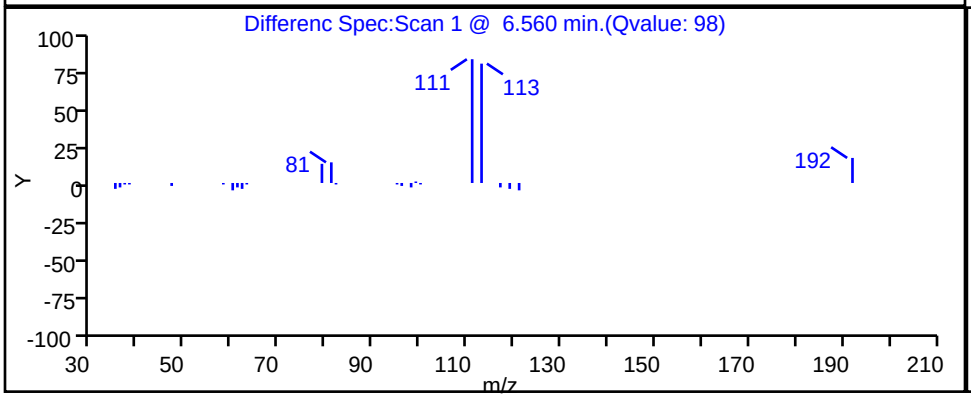


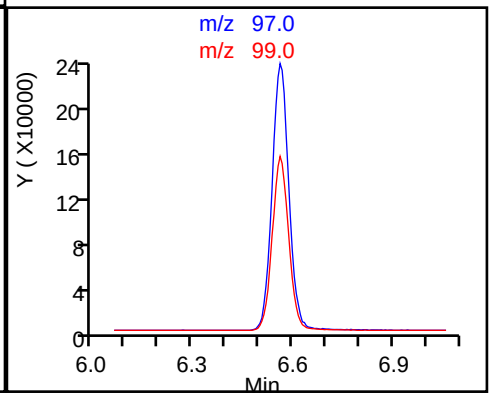








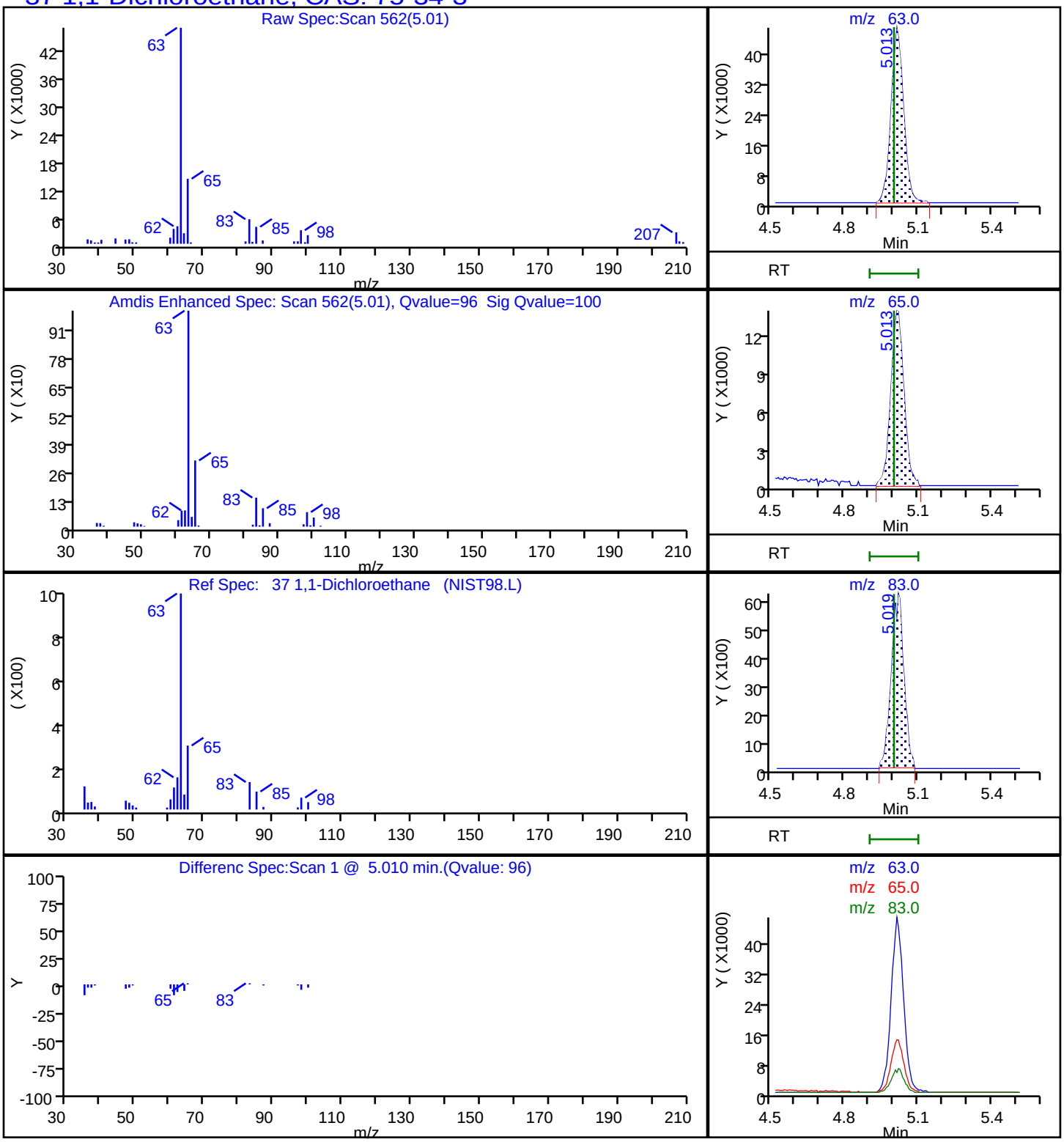




Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X57.D				
Injection Date:	10-May-2024 03:27:30	Instrument ID:	16334		
Lims ID:	410-169938-A-8	Lab Sample ID:	410-169938-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	27	Worklist Smp#:	28
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		

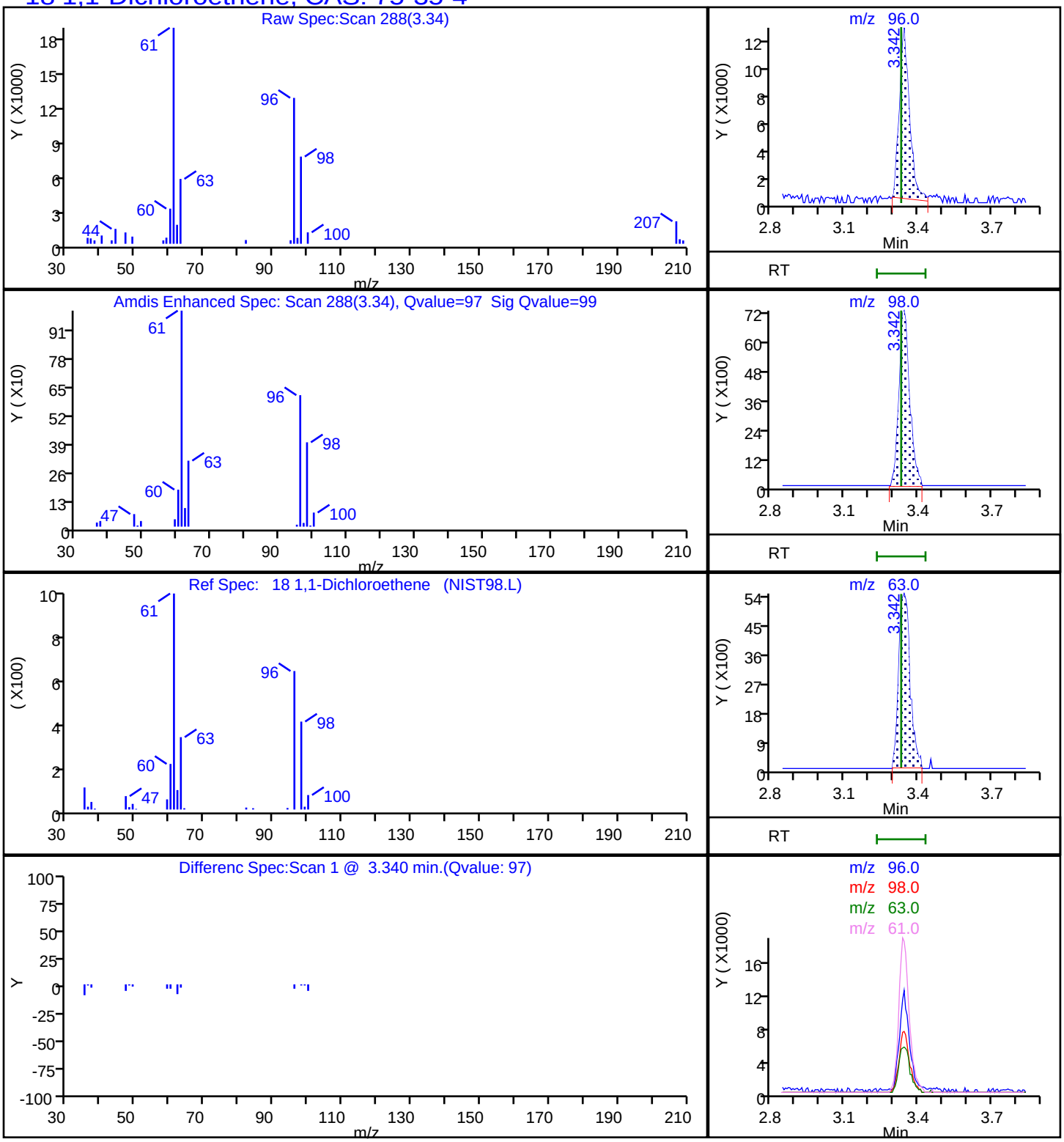
37 1,1-Dichloroethane, CAS: 75-34-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X57.D				
Injection Date:	10-May-2024 03:27:30	Instrument ID:	16334		
Lims ID:	410-169938-A-8	Lab Sample ID:	410-169938-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	27	Worklist Smp#:	28
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		

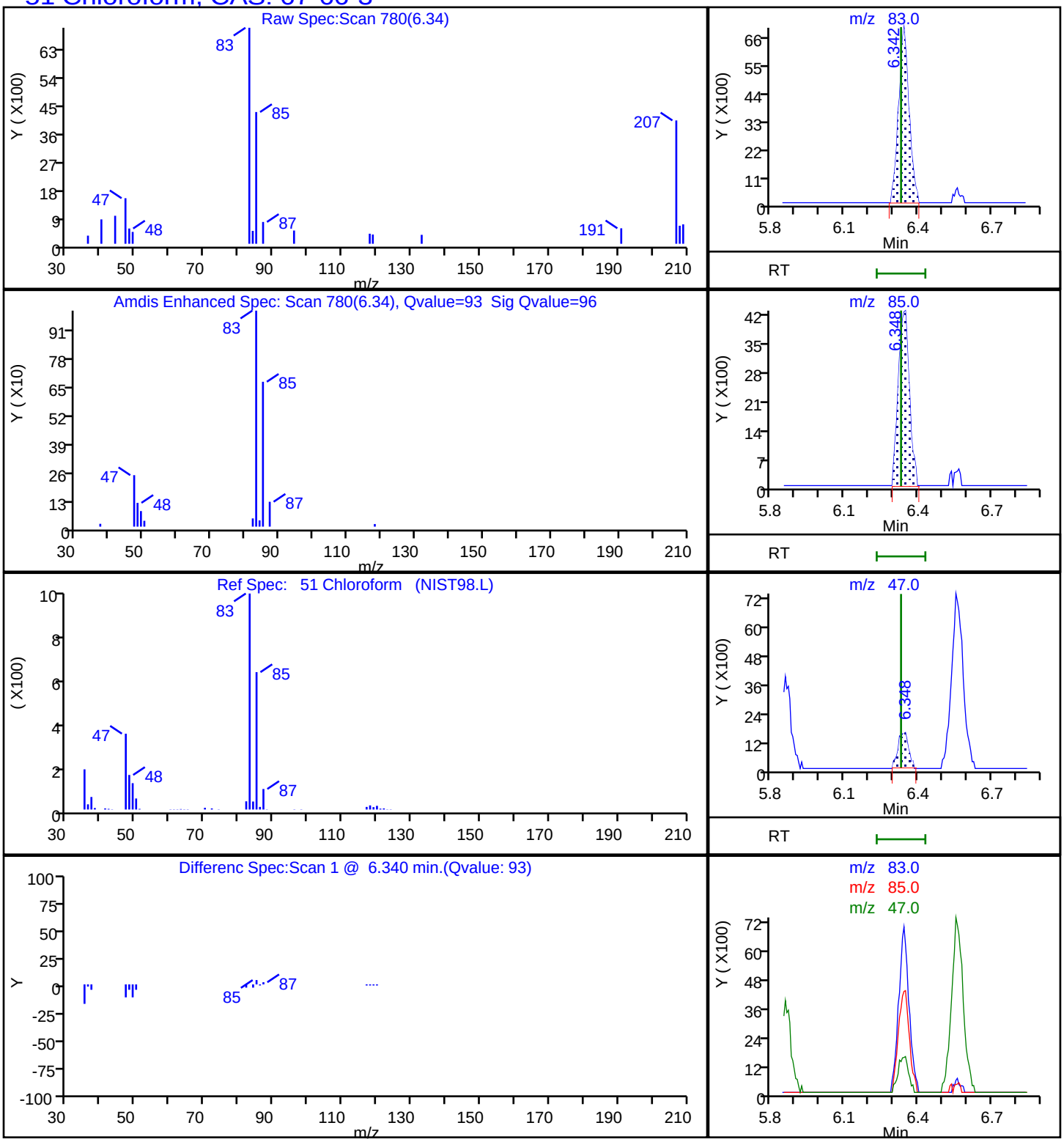
18 1,1-Dichloroethene, CAS: 75-35-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X57.D				
Injection Date:	10-May-2024 03:27:30	Instrument ID:	16334		
Lims ID:	410-169938-A-8	Lab Sample ID:	410-169938-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	27	Worklist Smp#:	28
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		

51 Chloroform, CAS: 67-66-3

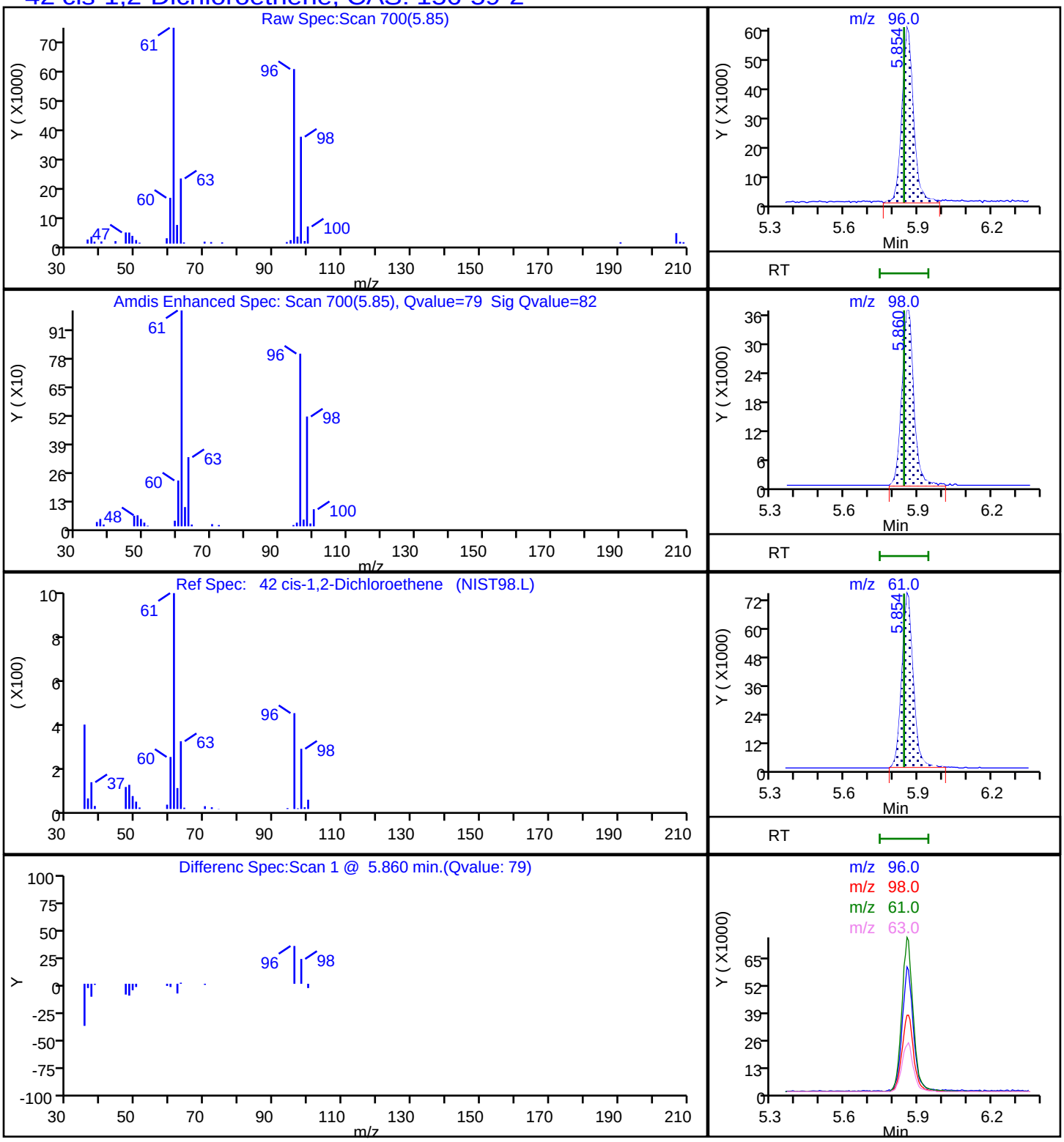


Report Date: 10-May-2024 15:26:11 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X57.D				
Injection Date:	10-May-2024 03:27:30	Instrument ID:	16334		
Lims ID:	410-169938-A-8	Lab Sample ID:	410-169938-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	27	Worklist Smp#:	28
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		

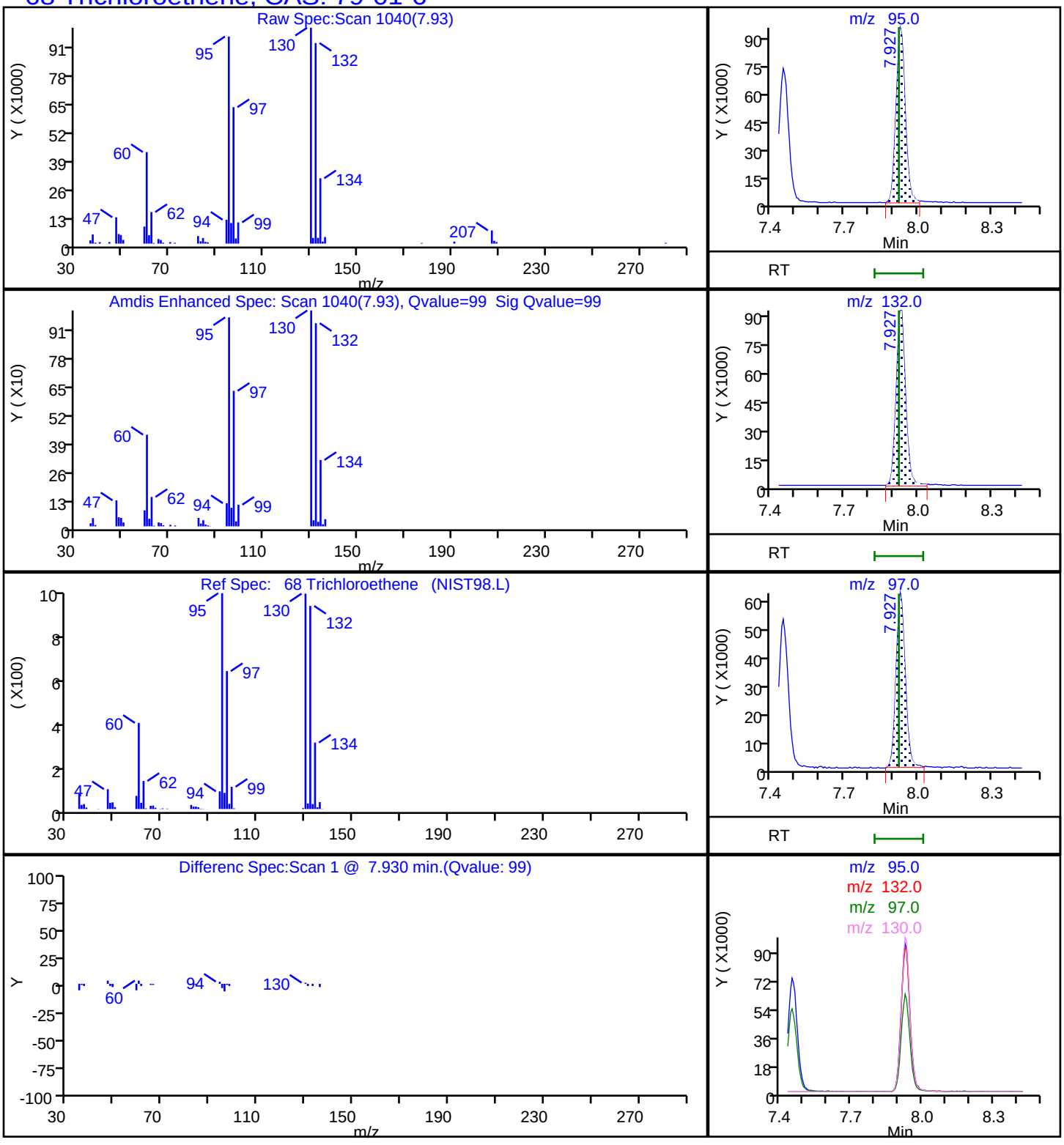
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X57.D				
Injection Date:	10-May-2024 03:27:30	Instrument ID:	16334		
Lims ID:	410-169938-A-8	Lab Sample ID:	410-169938-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	27	Worklist Smp#:	28
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



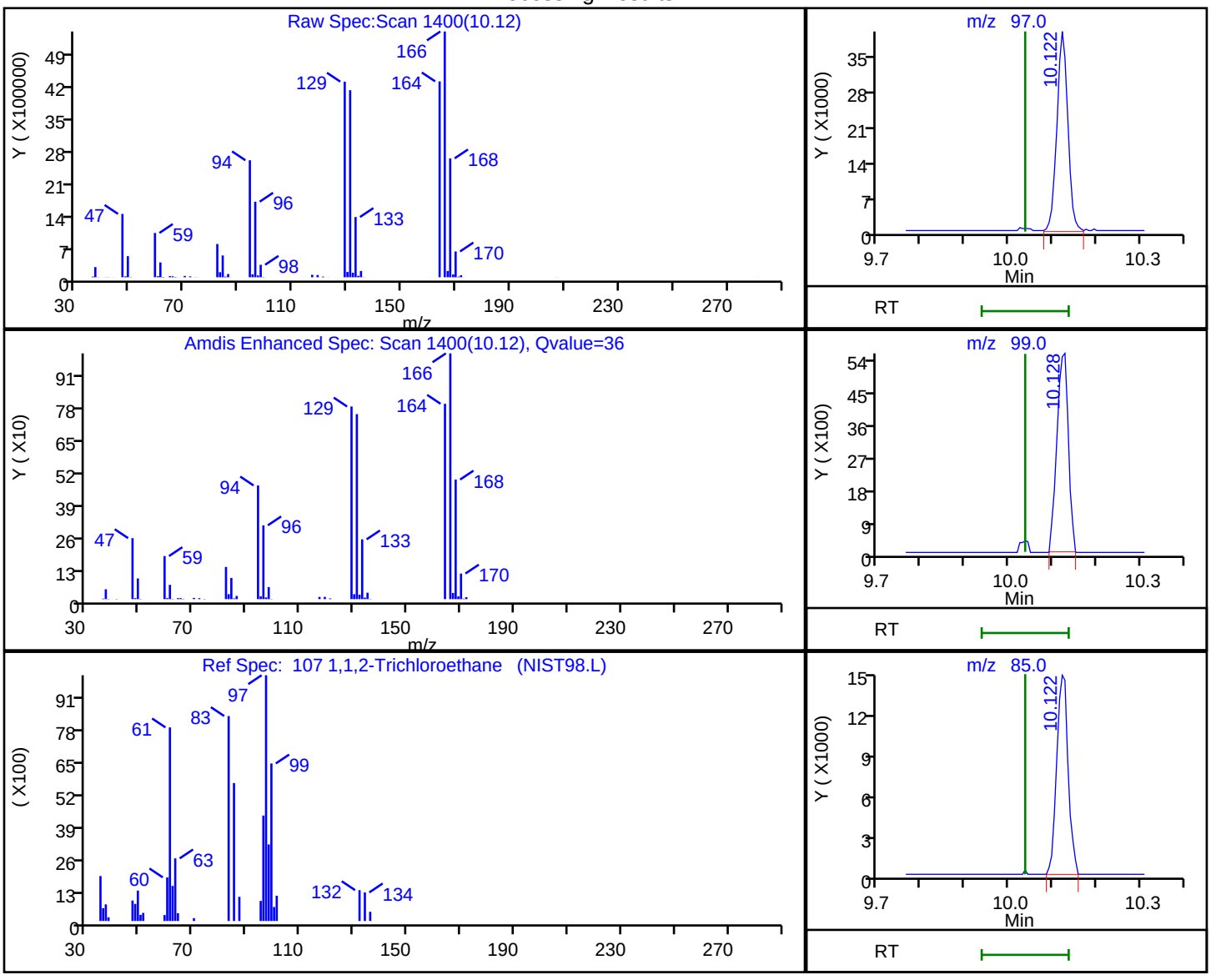
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X57.D				
Injection Date:	10-May-2024 03:27:30	Instrument ID:	16334		
Lims ID:	410-169938-A-8	Lab Sample ID:	410-169938-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	27	Worklist Smp#:	28
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	68360	2.054749
10.13	99.00	10136	
10.12	85.00	26937	
10.12	83.00	197453	

Reviewer: N9NA, 10-May-2024 15:26:05 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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0 DL
Lab Sample ID: 410-169938-8 DL

Matrix: Water
Lab File ID: GY09X58.D

Analysis Method: 8260D
Date Collected: 04/29/2024 10:05

Sample wt/vol: 25(mL)
Date Analyzed: 05/10/2024 03:49

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.: 504341
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	100		5.0	2.0

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)	98		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\20240509-113528.b\GY09X58.D
Lims ID: 410-169938-B-8 DL
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 10-May-2024 03:49:30 ALS Bottle#: 28 Worklist Smp#: 29
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0113528-029
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 15:26:57 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: CTX1619

First Level Reviewer: N9NA Date: 10-May-2024 15:26:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.026				ND	
6 Vinyl chloride	62		2.135				ND	7
9 Bromomethane	94		2.446				ND	
10 Chloroethane	64		2.526				ND	
18 1,1-Dichloroethene	96	3.336	3.330	0.006	96	4288	0.0789	
19 Acetone	43		3.361				ND	U
24 Carbon disulfide	76		3.605				ND	7
29 Methylene Chloride	84		3.946				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.989	3.977	0.012	21	122981	50.0	
33 Methyl tert-butyl ether	73		4.336				ND	
34 trans-1,2-Dichloroethene	96		4.342				ND	
37 1,1-Dichloroethane	63	5.007	5.001	0.006	93	13997	0.1278	
41 2-Butanone (MEK)	43		5.824				ND	
42 cis-1,2-Dichloroethene	96	5.860	5.842	0.018	79	17735	0.2429	
49 Chlorobromomethane	128		6.171				ND	
51 Chloroform	83	6.342	6.330	0.012	88	5515	0.0457	
$ 52 Dibromofluoromethane (Surr)	113	6.549	6.549	0.000	93	624521	9.76	
53 1,1,1-Trichloroethane	97	6.555	6.555	0.000	41	69679	0.6536	
55 Carbon tetrachloride	117		6.769				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.006	7.000	0.006	66	119654	10.3	
60 Benzene	78		7.031				ND	
61 1,2-Dichloroethane	62		7.104				ND	
* 64 Fluorobenzene (IS)	96	7.445	7.439	0.006	99	2678427	10.0	
68 Trichloroethene	95	7.933	7.921	0.012	96	21206	0.2949	
70 1,2-Dichloropropane	63		8.250				ND	
76 Dichlorobromomethane	83		8.598				ND	
81 cis-1,3-Dichloropropene	75		9.158				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2601507	10.2	
84 Toluene	92		9.561				ND	7
85 trans-1,3-Dichloropropene	75		9.829				ND	
107 1,1,2-Trichloroethane	97		10.036				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.122	10.122	0.000	97	813097	9.97	
110 2-Hexanone	43		10.262				ND	
112 Chlorodibromomethane	129		10.414				ND	
113 Ethylene Dibromide	107		10.524				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	1973412	10.0	
116 Chlorobenzene	112		10.993				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		11.530				ND	
122 Styrene	104		11.542				ND	
123 Bromoform	173		11.695				ND	7
$ 127 4-Bromofluorobenzene (Surr)	95	11.975	11.969	0.006	90	913249	9.74	
128 1,1,2,2-Tetrachloroethane	83		12.079				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.853	12.853	0.000	96	1028584	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00087 Amount Added: 1.00 Units: uL Run Reagent

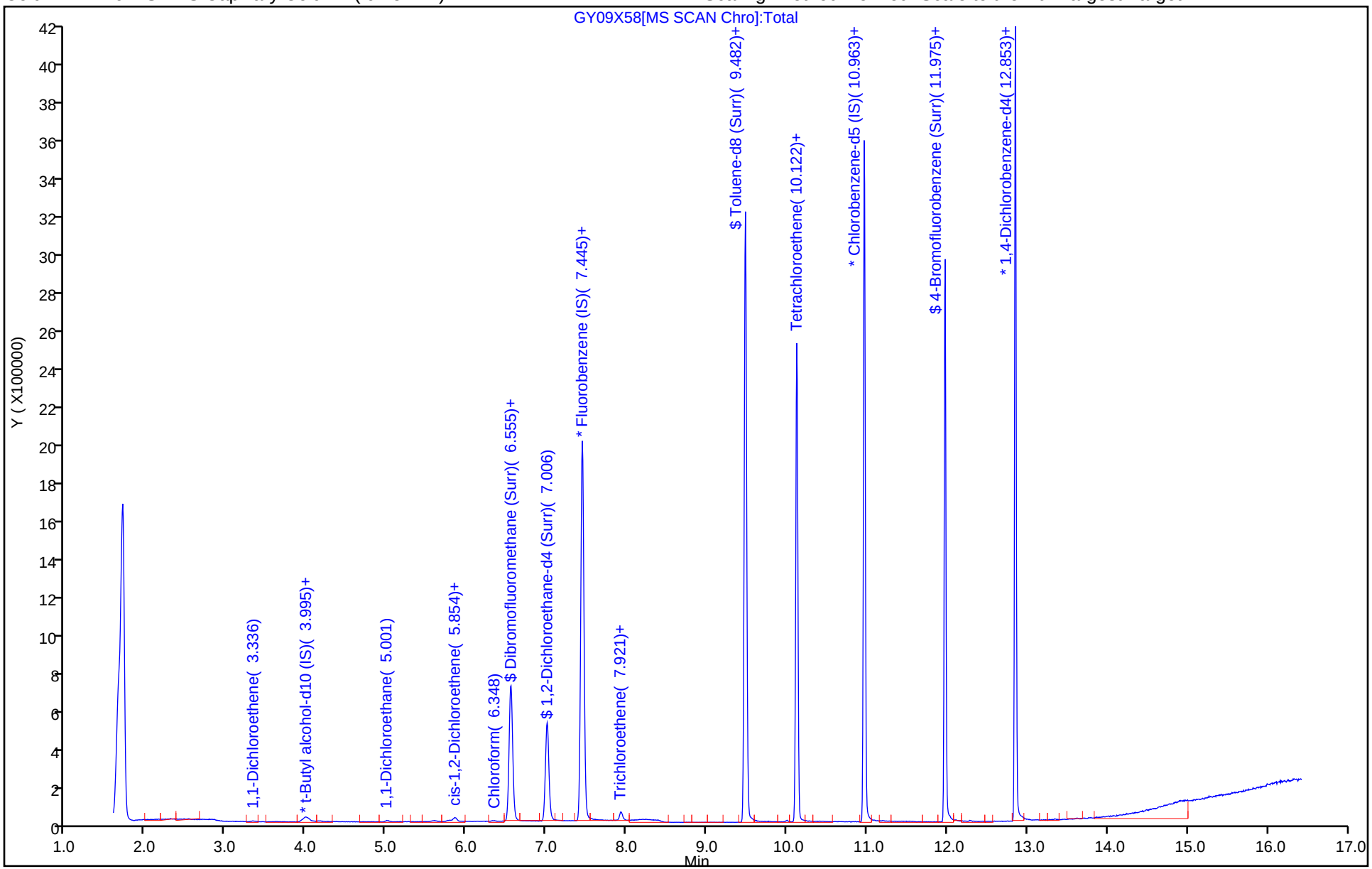
Report Date: 10-May-2024 15:26:58 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X58.D

Injection Date:	10-May-2024 03:49:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	410-169938-B-8 DL	Lab Sample ID:	410-169938-8	Worklist Smp#:	29
Client ID:	HD-COD-SW-17-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	28
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\20240509-113528.b\GY09X58.D
Lims ID: 410-169938-B-8 DL
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 10-May-2024 03:49:30 ALS Bottle#: 28 Worklist Smp#: 29
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0113528-029
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 15:26:57 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: CTX1619

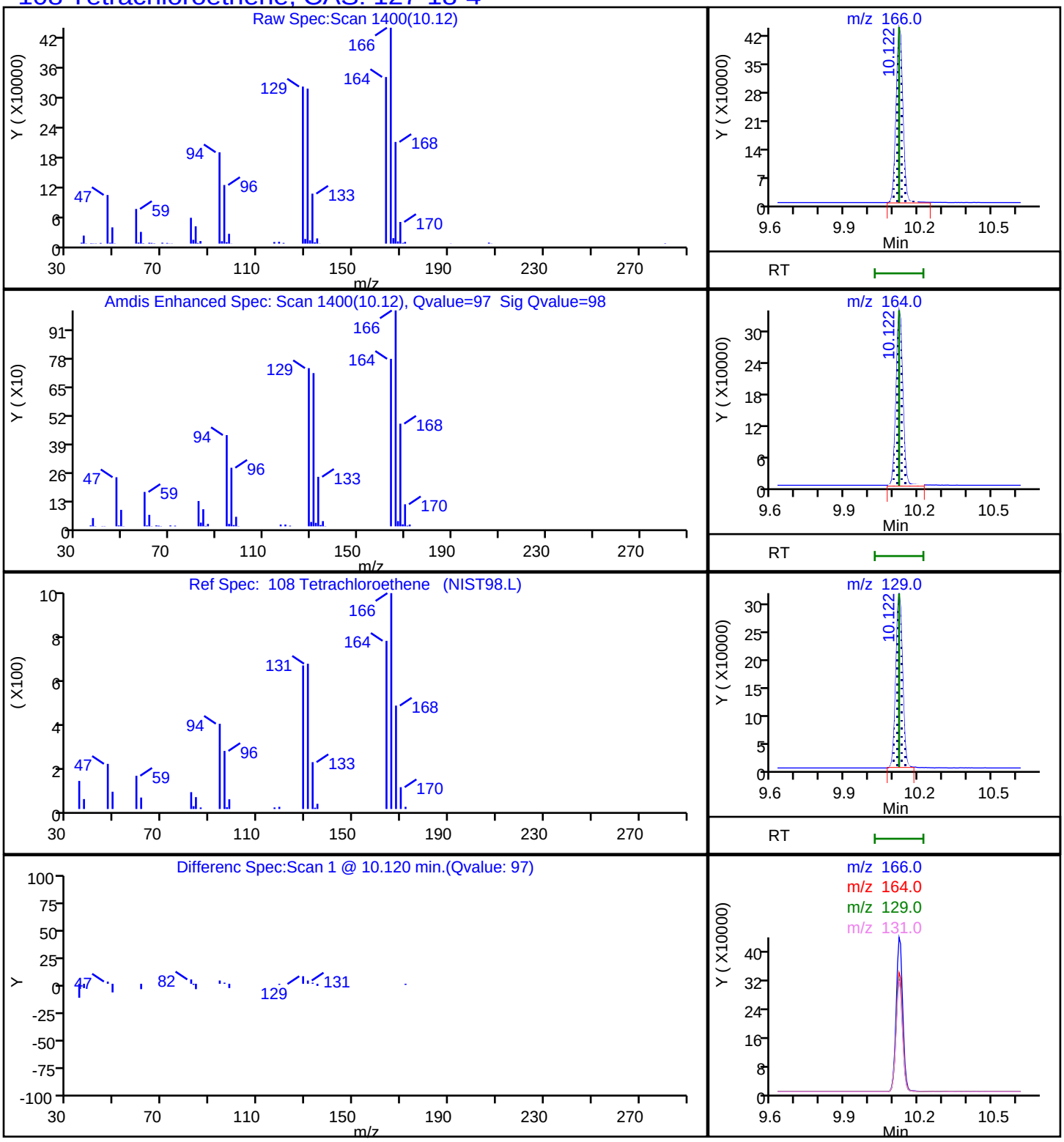
First Level Reviewer: N9NA Date: 10-May-2024 15:26:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.76	97.64
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	103.35
$ 83 Toluene-d8 (Surr)	10.0	10.2	101.66
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.74	97.40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X58.D				
Injection Date:	10-May-2024 03:49:30	Instrument ID:	16334		
Lims ID:	410-169938-B-8 DL	Lab Sample ID:	410-169938-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	28	Worklist Smp#:	29
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-26-0/1-0
Lab Sample ID: 410-169938-9

Matrix: Water
Lab File ID: GY09X49.D

Analysis Method: 8260D
Date Collected: 04/29/2024 10:40

Sample wt/vol: 25(mL)
Date Analyzed: 05/10/2024 00:31

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.: 504341
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	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	1.5	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	0.48	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	3.5		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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-26-0/1-0
Lab Sample ID: 410-169938-9

Matrix: Water
Lab File ID: GY09X49.D

Analysis Method: 8260D
Date Collected: 04/29/2024 10:40

Sample wt/vol: 25(mL)
Date Analyzed: 05/10/2024 00:31

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.: 504341
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	0.16	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)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X49.D
Lims ID: 410-169938-A-9
Client ID: HD-COD-SW-26-0/1-0
Sample Type: Client
Inject. Date: 10-May-2024 00:31:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-020
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 13:02:31 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: CTX1619

First Level Reviewer: N9NA Date: 10-May-2024 13:03:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.026				ND	7
6 Vinyl chloride	62		2.135				ND	7
9 Bromomethane	94		2.446				ND	
10 Chloroethane	64		2.526				ND	
18 1,1-Dichloroethene	96	3.337	3.330	0.007	94	5430	0.1214	
19 Acetone	43	3.385	3.361	0.024	98	8681	1.48	
24 Carbon disulfide	76		3.605				ND	7
29 Methylene Chloride	84		3.946				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.995	3.977	0.018	28	106760	50.0	
33 Methyl tert-butyl ether	73		4.336				ND	
34 trans-1,2-Dichloroethene	96		4.342				ND	
37 1,1-Dichloroethane	63		5.001				ND	
41 2-Butanone (MEK)	43		5.824				ND	
42 cis-1,2-Dichloroethene	96	5.860	5.842	0.018	75	4639	0.0772	
49 Chlorobromomethane	128		6.171				ND	
51 Chloroform	83	6.330	6.330	0.000	93	48034	0.4836	
$ 52 Dibromofluoromethane (Surr)	113	6.549	6.549	0.000	93	510582	9.70	
53 1,1,1-Trichloroethane	97		6.555				ND	7
55 Carbon tetrachloride	117		6.769				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.000	7.000	0.000	66	99944	10.5	
60 Benzene	78		7.031				ND	7
61 1,2-Dichloroethane	62		7.104				ND	
* 64 Fluorobenzene (IS)	96	7.446	7.439	0.007	99	2203713	10.0	
68 Trichloroethene	95	7.921	7.921	0.000	93	9242	0.1562	
70 1,2-Dichloropropane	63		8.250				ND	
76 Dichlorobromomethane	83		8.598				ND	7
81 cis-1,3-Dichloropropene	75		9.158				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	7
$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2124581	10.2	
84 Toluene	92	9.561	9.561	0.000	98	6910	0.0497	
85 trans-1,3-Dichloropropene	75		9.829				ND	
107 1,1,2-Trichloroethane	97		10.036				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.122	10.122	0.000	97	229677	3.47	
110 2-Hexanone	43		10.262				ND	
112 Chlorodibromomethane	129		10.414				ND	
113 Ethylene Dibromide	107		10.524				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	1601165	10.0	
116 Chlorobenzene	112		10.993				ND	
117 1,1,1,2-Tetrachloroethane	131		11.073				ND	
118 Ethylbenzene	91		11.079				ND	7
120 m-Xylene & p-Xylene	106		11.195				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.530				ND	7
122 Styrene	104		11.542				ND	
123 Bromoform	173		11.695				ND	7
$ 127 4-Bromofluorobenzene (Surr)	95	11.975	11.969	0.006	91	734003	9.65	
128 1,1,2,2-Tetrachloroethane	83		12.079				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.853	12.853	0.000	96	814872	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP25_ISSS_00087 Amount Added: 1.00 Units: uL Run Reagent

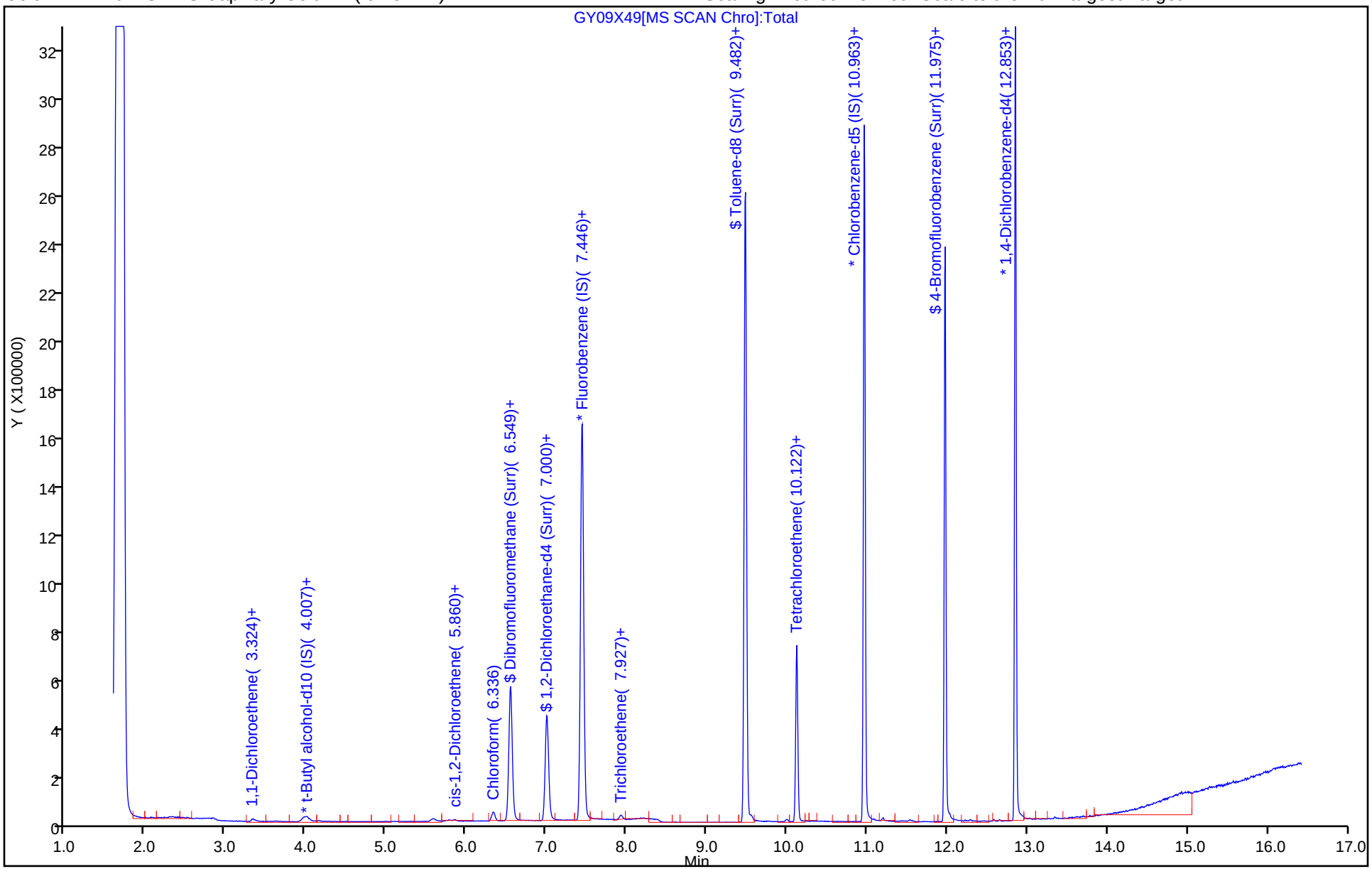
Report Date: 10-May-2024 13:03:33 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X49.D

Injection Date:	10-May-2024 00:31:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	410-169938-A-9	Lab Sample ID:	410-169938-9	Worklist Smp#:	20
Client ID:	HD-COD-SW-26-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	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\20240509-113528.b\GY09X49.D				
Lims ID:	410-169938-A-9				
Client ID:	HD-COD-SW-26-0/1-0				
Sample Type:	Client				
Inject. Date:	10-May-2024 00:31:30	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0113528-020				
Operator ID:	gaw91131	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	10-May-2024 13:02:31	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:	CTX1619				

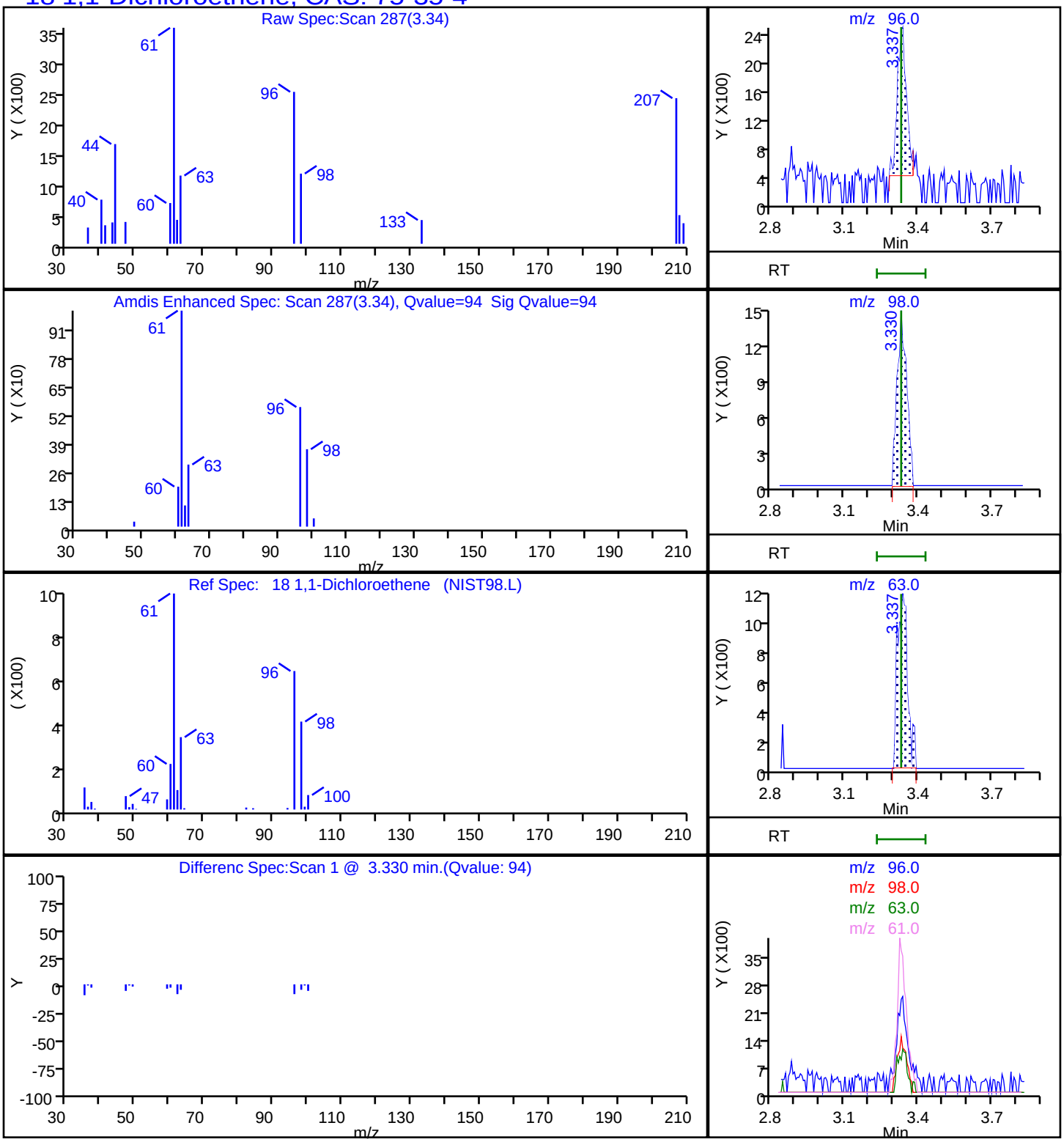
First Level Reviewer: N9NA Date: 10-May-2024 13:03:33

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.70	97.02
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	104.92
$ 83 Toluene-d8 (Surr)	10.0	10.2	102.33
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.65	96.49

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X49.D		
Injection Date:	10-May-2024 00:31:30	Instrument ID:	16334
Lims ID:	410-169938-A-9	Lab Sample ID:	410-169938-9
Client ID:	HD-COD-SW-26-0/1-0		
Operator ID:	gaw91131	ALS Bottle#:	19 Worklist Smp#: 20
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

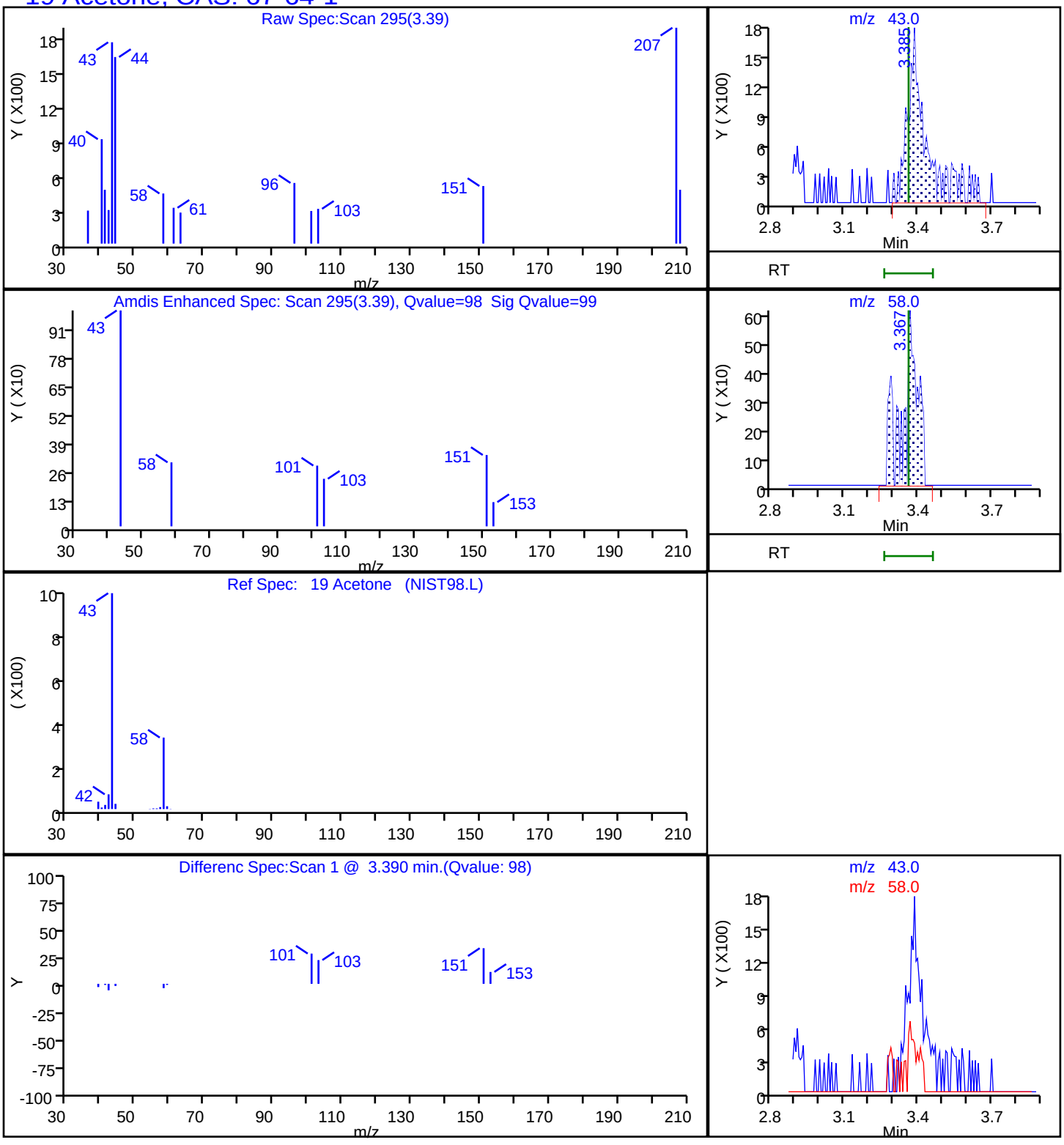
18 1,1-Dichloroethene, CAS: 75-35-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X49.D				
Injection Date:	10-May-2024 00:31:30	Instrument ID:	16334		
Lims ID:	410-169938-A-9	Lab Sample ID:	410-169938-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
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		

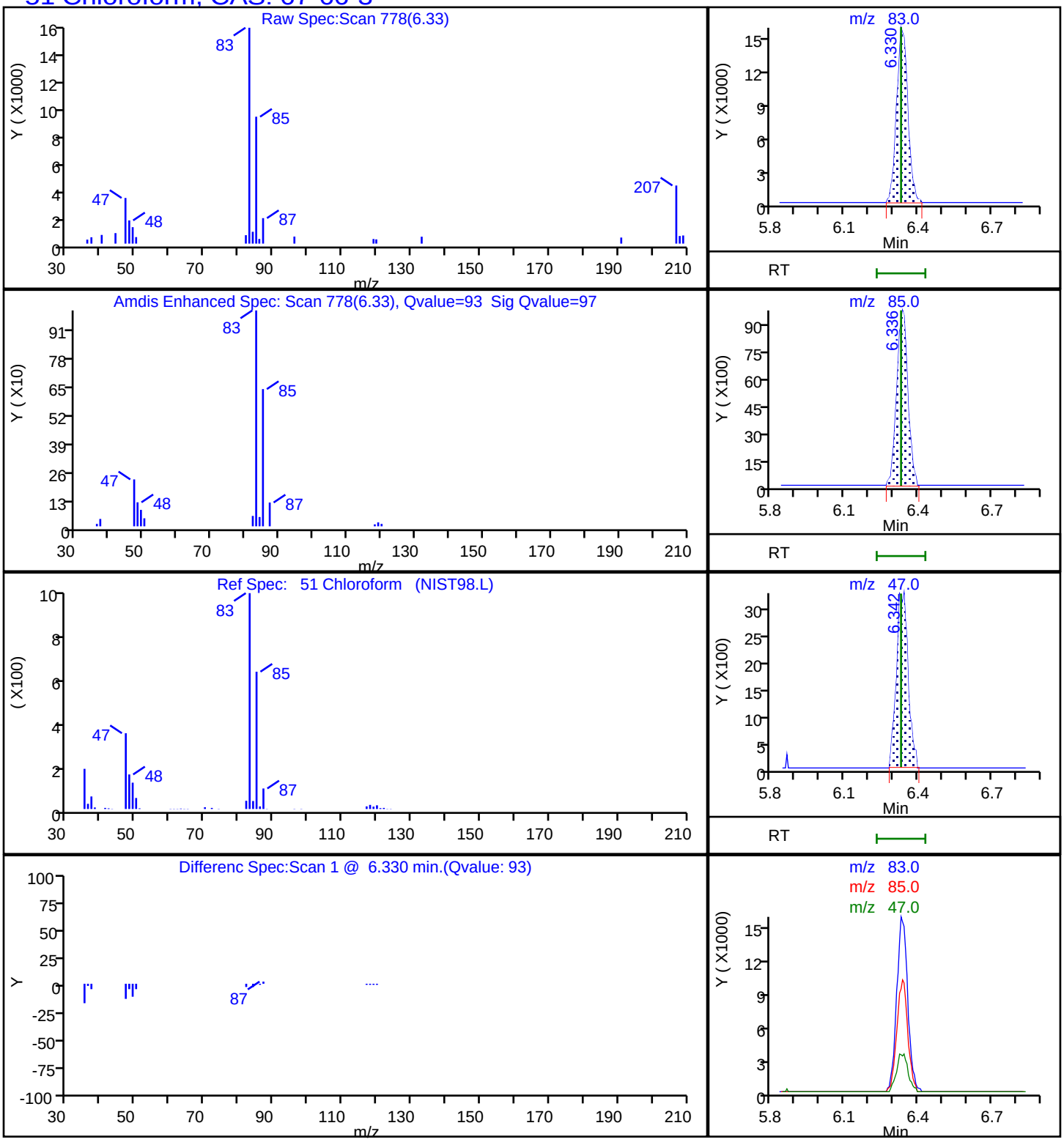
19 Acetone, CAS: 67-64-1



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X49.D				
Injection Date:	10-May-2024 00:31:30	Instrument ID:	16334		
Lims ID:	410-169938-A-9	Lab Sample ID:	410-169938-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
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		

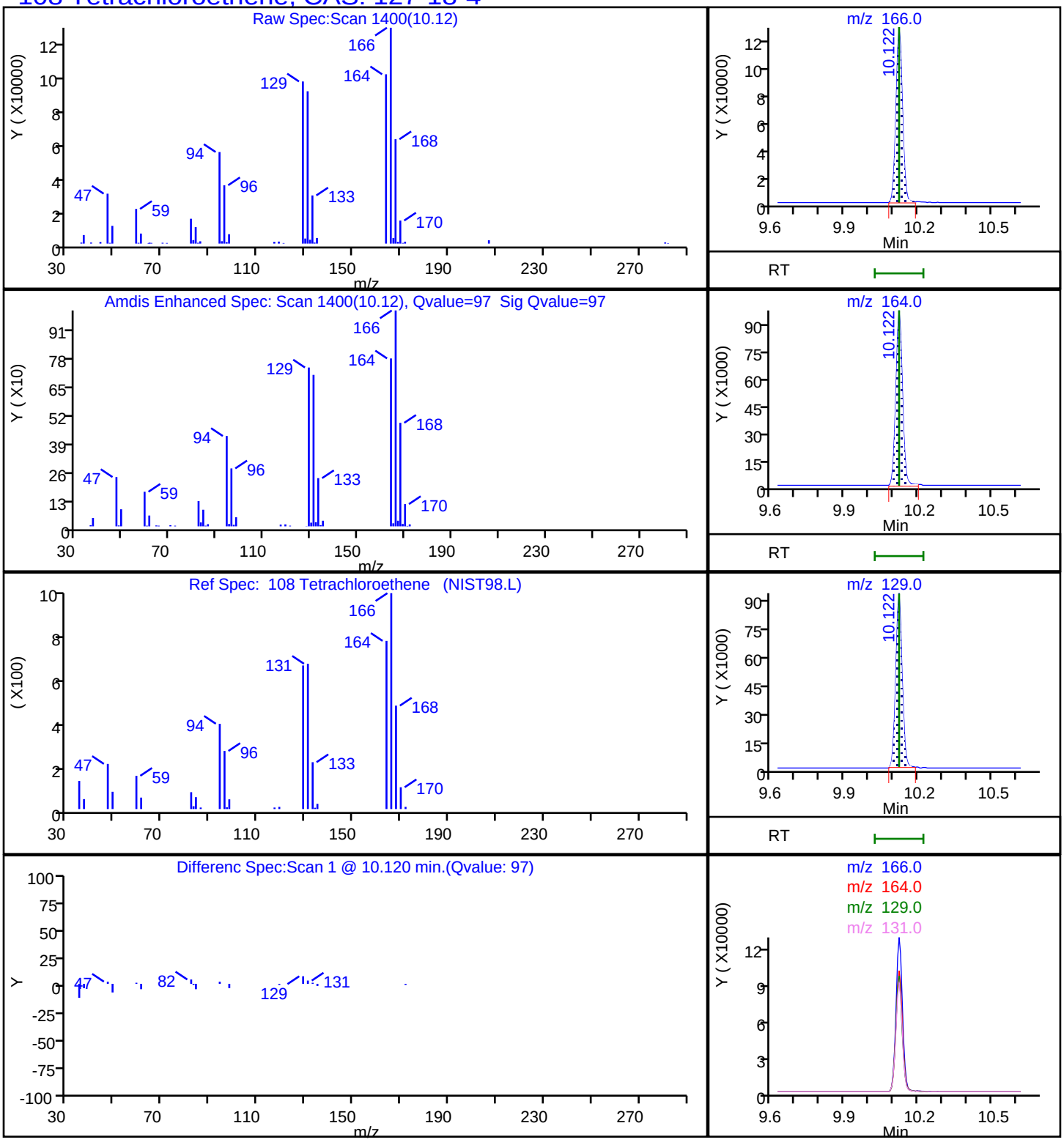
51 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X49.D				
Injection Date:	10-May-2024 00:31:30	Instrument ID:	16334		
Lims ID:	410-169938-A-9	Lab Sample ID:	410-169938-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
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		

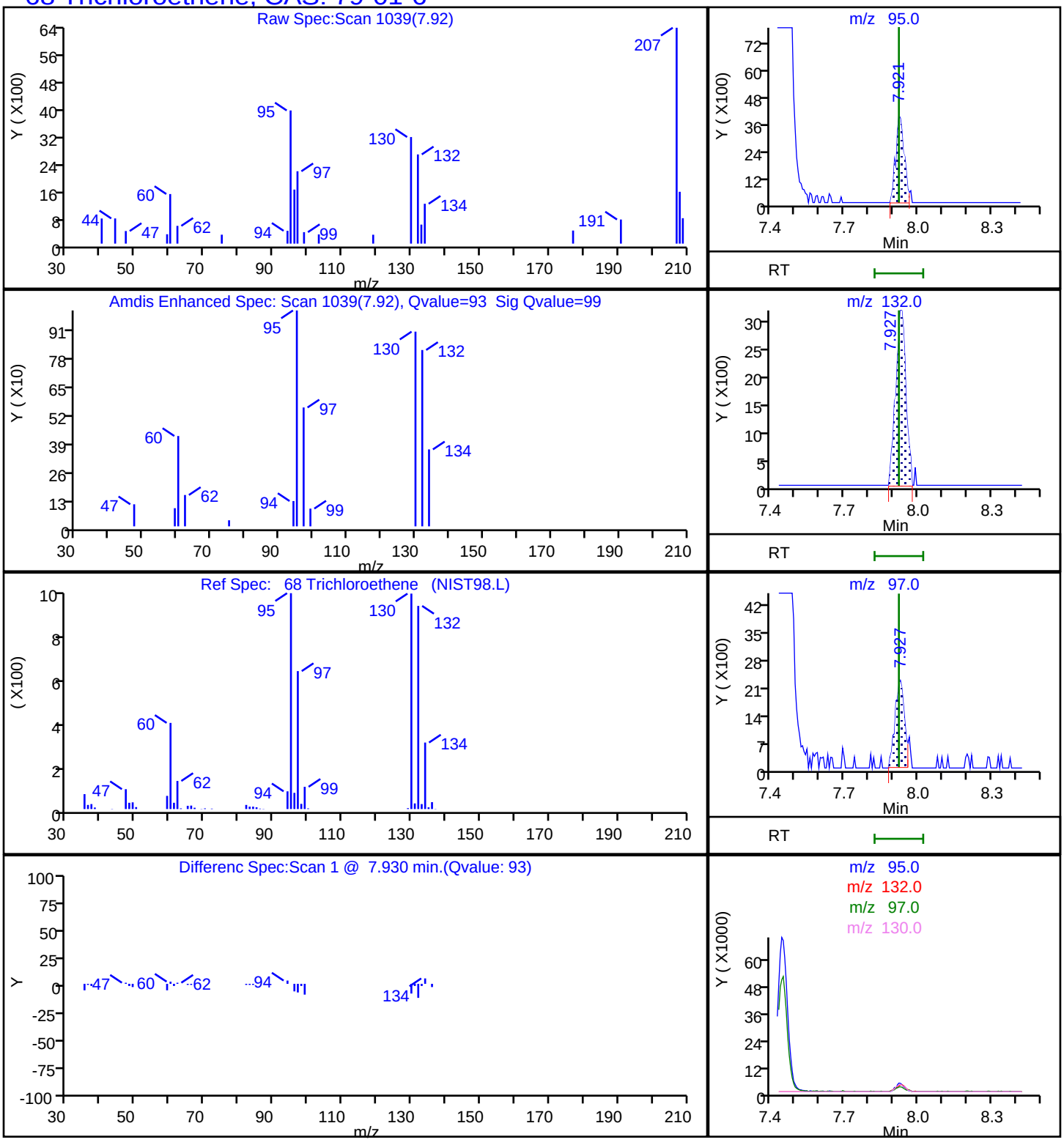
108 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X49.D				
Injection Date:	10-May-2024 00:31:30	Instrument ID:	16334		
Lims ID:	410-169938-A-9	Lab Sample ID:	410-169938-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
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



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-27-0/1-0
Lab Sample ID: 410-169938-10

Matrix: Water
Lab File ID: GY09X50.D

Analysis Method: 8260D
Date Collected: 04/29/2024 11:10

Sample wt/vol: 25(mL)
Date Analyzed: 05/10/2024 00:53

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.: 504341
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	3.0	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	0.11	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.13	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	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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-27-0/1-0
Lab Sample ID: 410-169938-10

Matrix: Water
Lab File ID: GY09X50.D

Analysis Method: 8260D
Date Collected: 04/29/2024 11:10

Sample wt/vol: 25(mL)
Date Analyzed: 05/10/2024 00:53

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.: 504341
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)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		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\20240509-113528.b\GY09X50.D
Lims ID: 410-169938-A-10
Client ID: HD-COD-SW-27-0/1-0
Sample Type: Client
Inject. Date: 10-May-2024 00:53:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-021
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 13:05:07 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: CTX1619

First Level Reviewer: N9NA Date: 10-May-2024 13:05:07

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	5 Chloromethane	50	2.020	2.026	-0.006	98	9105	0.1098	
	6 Vinyl chloride	62		2.135				ND	7
	9 Bromomethane	94		2.446				ND	7
	10 Chloroethane	64		2.526				ND	
	18 1,1-Dichloroethene	96		3.330				ND	7
	19 Acetone	43	3.404	3.361	0.043	98	21300	2.99	
	24 Carbon disulfide	76	3.623	3.605	0.018	93	9297	0.0488	
	29 Methylene Chloride	84		3.946				ND	
*	30 t-Butyl alcohol-d10 (IS)	65	4.001	3.977	0.024	34	129103	50.0	
	33 Methyl tert-butyl ether	73		4.336				ND	7
	34 trans-1,2-Dichloroethene	96		4.342				ND	
	37 1,1-Dichloroethane	63		5.001				ND	
	41 2-Butanone (MEK)	43		5.824				ND	
	42 cis-1,2-Dichloroethene	96	5.848	5.842	0.006	78	9941	0.1322	a
	49 Chlorobromomethane	128		6.171				ND	
	51 Chloroform	83	6.330	6.330	0.000	89	7147	0.0575	a
$	52 Dibromofluoromethane (Surr)	113	6.555	6.549	0.006	93	637669	9.68	
	53 1,1,1-Trichloroethane	97		6.555				ND	
	55 Carbon tetrachloride	117		6.769				ND	
$	59 1,2-Dichloroethane-d4 (Surr)	102	7.007	7.000	0.007	66	121880	10.2	
	60 Benzene	78		7.031				ND	7
	61 1,2-Dichloroethane	62		7.104				ND	
*	64 Fluorobenzene (IS)	96	7.445	7.439	0.006	99	2757843	10.0	
	68 Trichloroethene	95	7.933	7.921	0.012	96	8935	0.1207	
	70 1,2-Dichloropropane	63		8.250				ND	
	76 Dichlorobromomethane	83		8.598				ND	7
	81 cis-1,3-Dichloropropene	75		9.158				ND	
	82 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	7
$	83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2677555	10.3	
	84 Toluene	92	9.567	9.561	0.006	97	10591	0.0609	
	85 trans-1,3-Dichloropropene	75		9.829				ND	
	107 1,1,2-Trichloroethane	97		10.036				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.122	10.122	0.000	94	6362	0.0768	
110 2-Hexanone	43		10.262				ND	
112 Chlorodibromomethane	129		10.414				ND	
113 Ethylene Dibromide	107		10.524				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	2004416	10.0	
116 Chlorobenzene	112		10.993				ND	
117 1,1,1,2-Tetrachloroethane	131		11.073				ND	
118 Ethylbenzene	91		11.079				ND	7
120 m-Xylene & p-Xylene	106		11.195				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.530				ND	7
122 Styrene	104		11.542				ND	7
123 Bromoform	173		11.695				ND	7
$ 127 4-Bromofluorobenzene (Surr)	95	11.975	11.969	0.006	91	925502	9.72	
128 1,1,2,2-Tetrachloroethane	83		12.079				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.853	12.853	0.000	96	1042301	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00087 Amount Added: 1.00 Units: uL Run Reagent

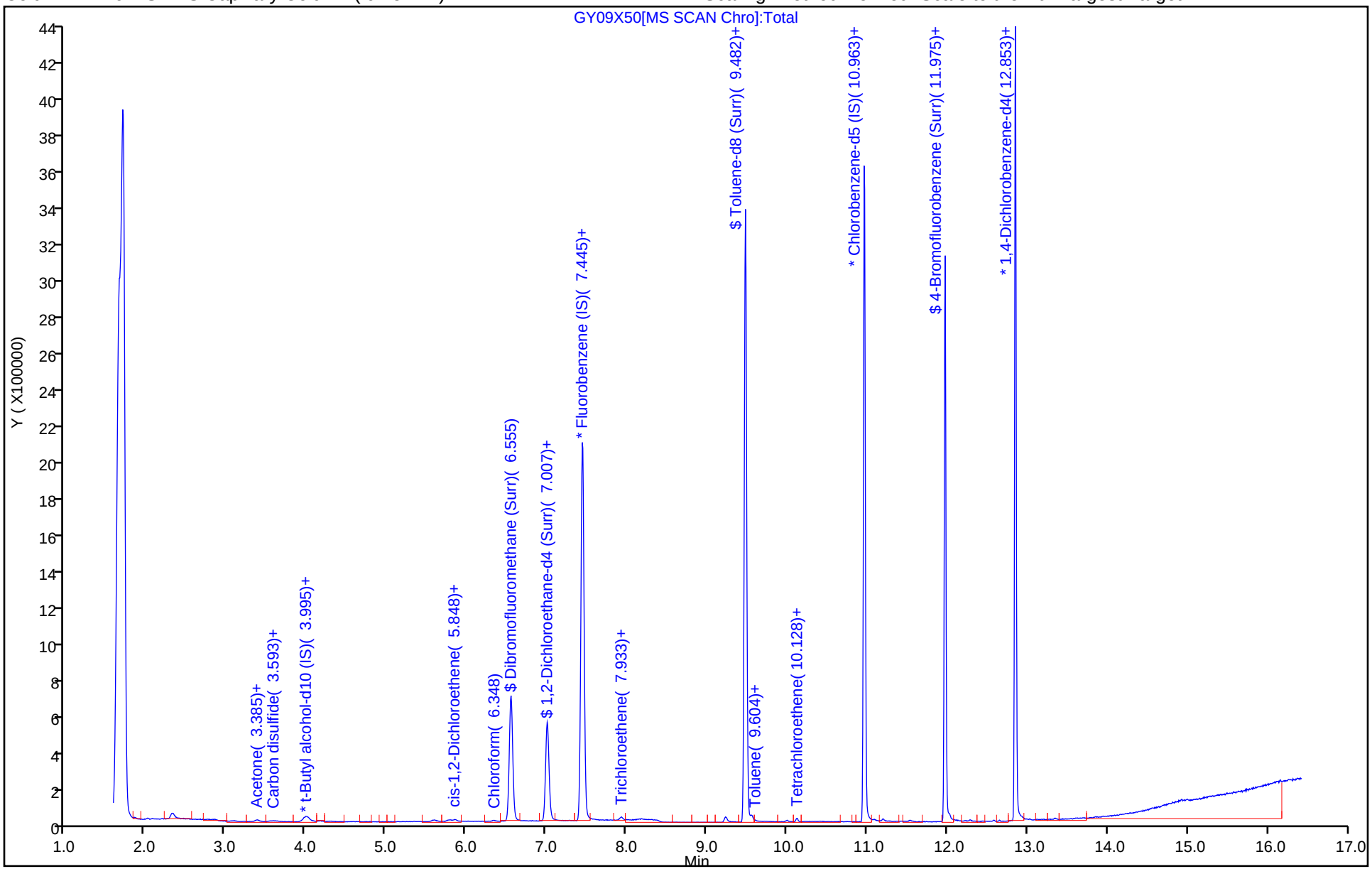
Report Date: 10-May-2024 13:05:07 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X50.D

Injection Date:	10-May-2024 00:53:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	410-169938-A-10	Lab Sample ID:	410-169938-10	Worklist Smp#:	21
Client ID:	HD-COD-SW-27-0/1-0				
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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X50.D				
Lims ID:	410-169938-A-10				
Client ID:	HD-COD-SW-27-0/1-0				
Sample Type:	Client				
Inject. Date:	10-May-2024 00:53:30	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0113528-021				
Operator ID:	gaw91131	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	10-May-2024 13:05:07	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:	CTX1619				

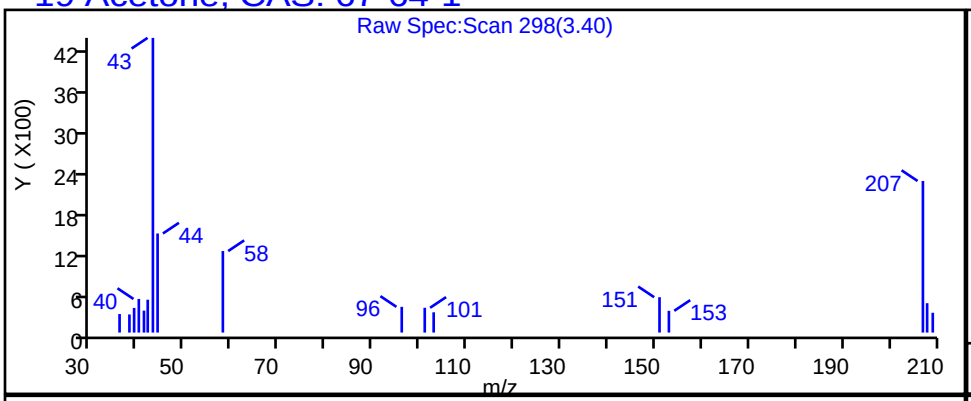
First Level Reviewer: N9NA Date: 10-May-2024 13:05:07

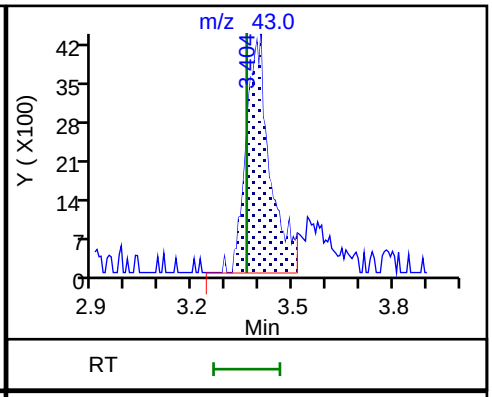
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.68	96.82
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	102.24
$ 83 Toluene-d8 (Surr)	10.0	10.3	103.01
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.72	97.18

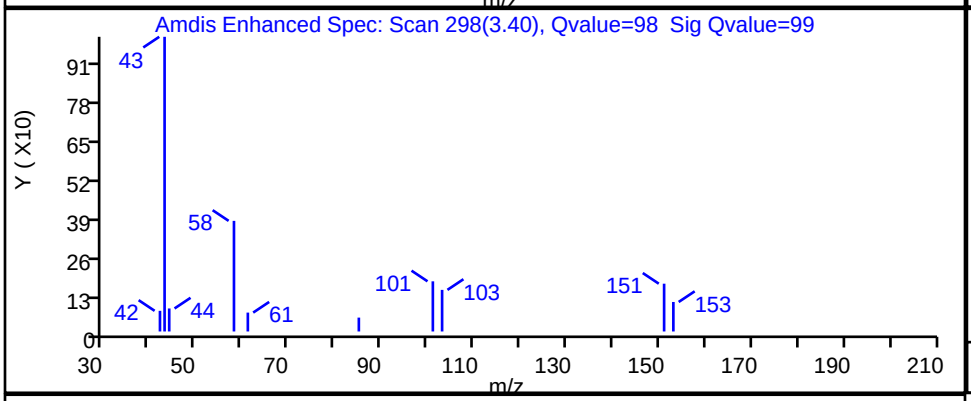
Eurofins Lancaster Laboratories Environment Testing, LLC

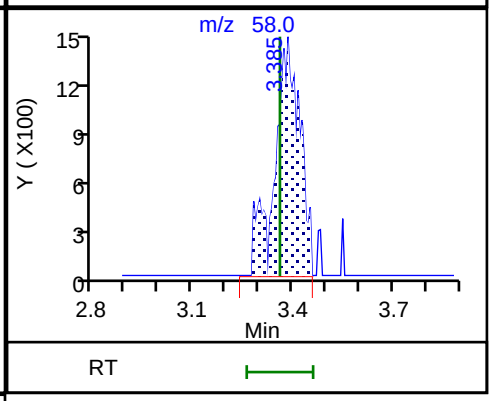
Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X50.D				
Injection Date:	10-May-2024 00:53:30	Instrument ID:	16334		
Lims ID:	410-169938-A-10	Lab Sample ID:	410-169938-10		
Client ID:	HD-COD-SW-27-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

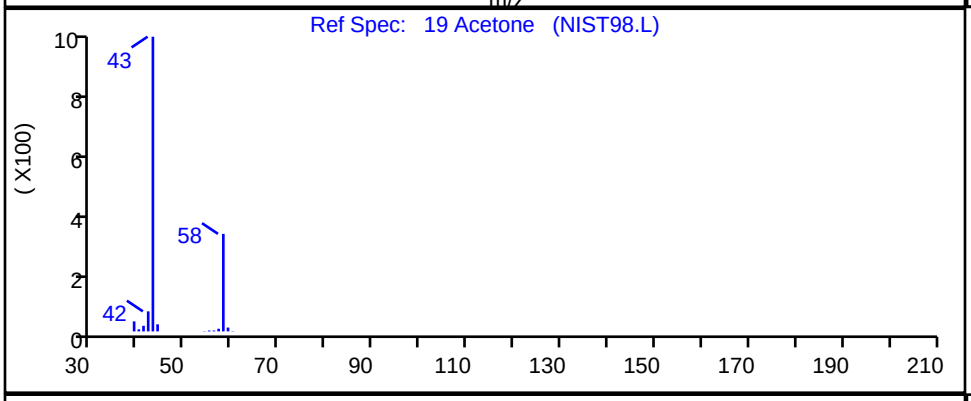
19 Acetone, CAS: 67-64-1

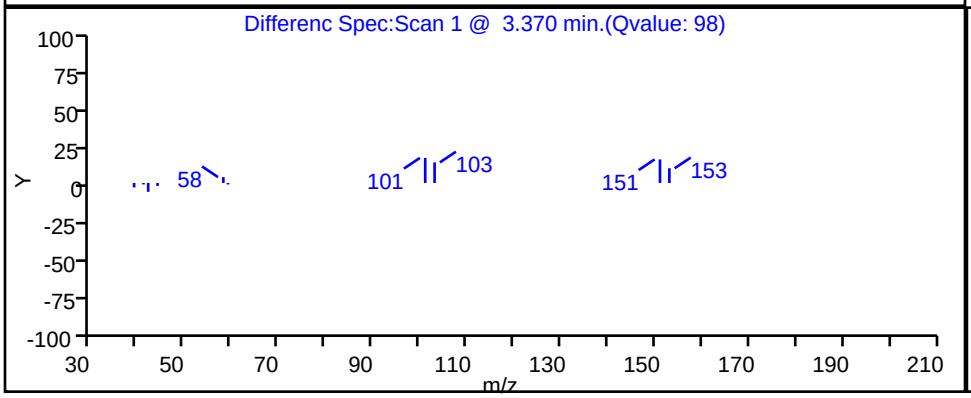


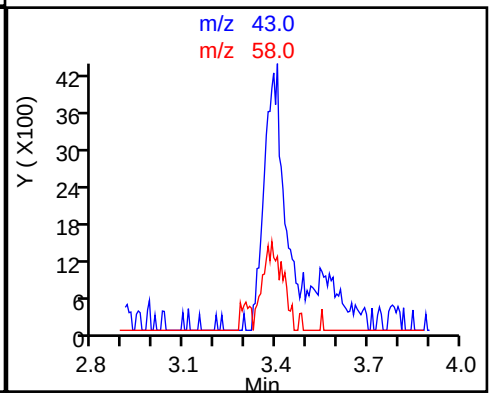








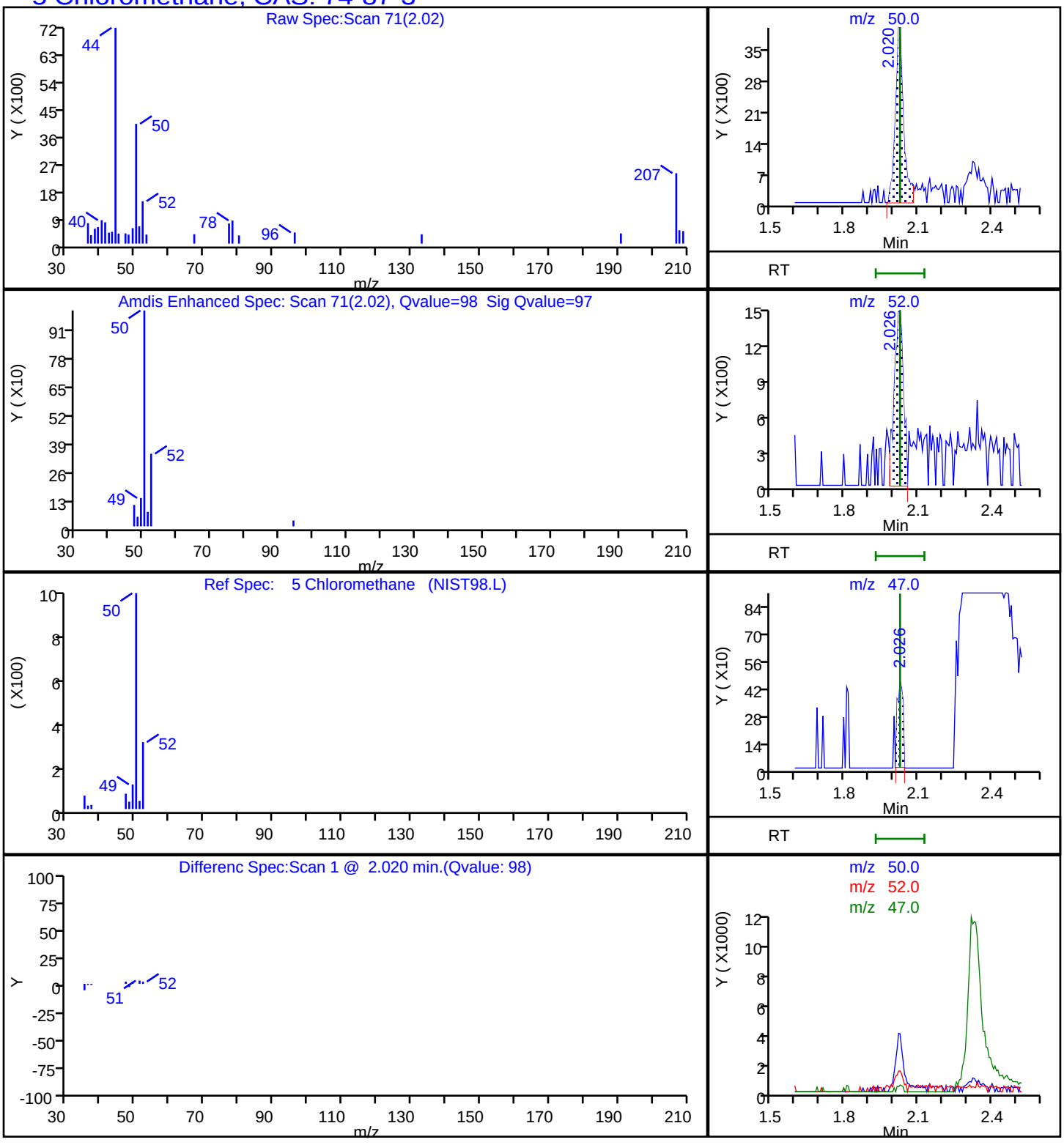




Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X50.D				
Injection Date:	10-May-2024 00:53:30	Instrument ID:	16334		
Lims ID:	410-169938-A-10	Lab Sample ID:	410-169938-10		
Client ID:	HD-COD-SW-27-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

5 Chloromethane, CAS: 74-87-3



Report Date: 10-May-2024 13:05:07 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X50.D

Injection Date: 10-May-2024 00:53:30 Instrument ID: 16334

Lims ID: 410-169938-A-10 Lab Sample ID: 410-169938-10

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

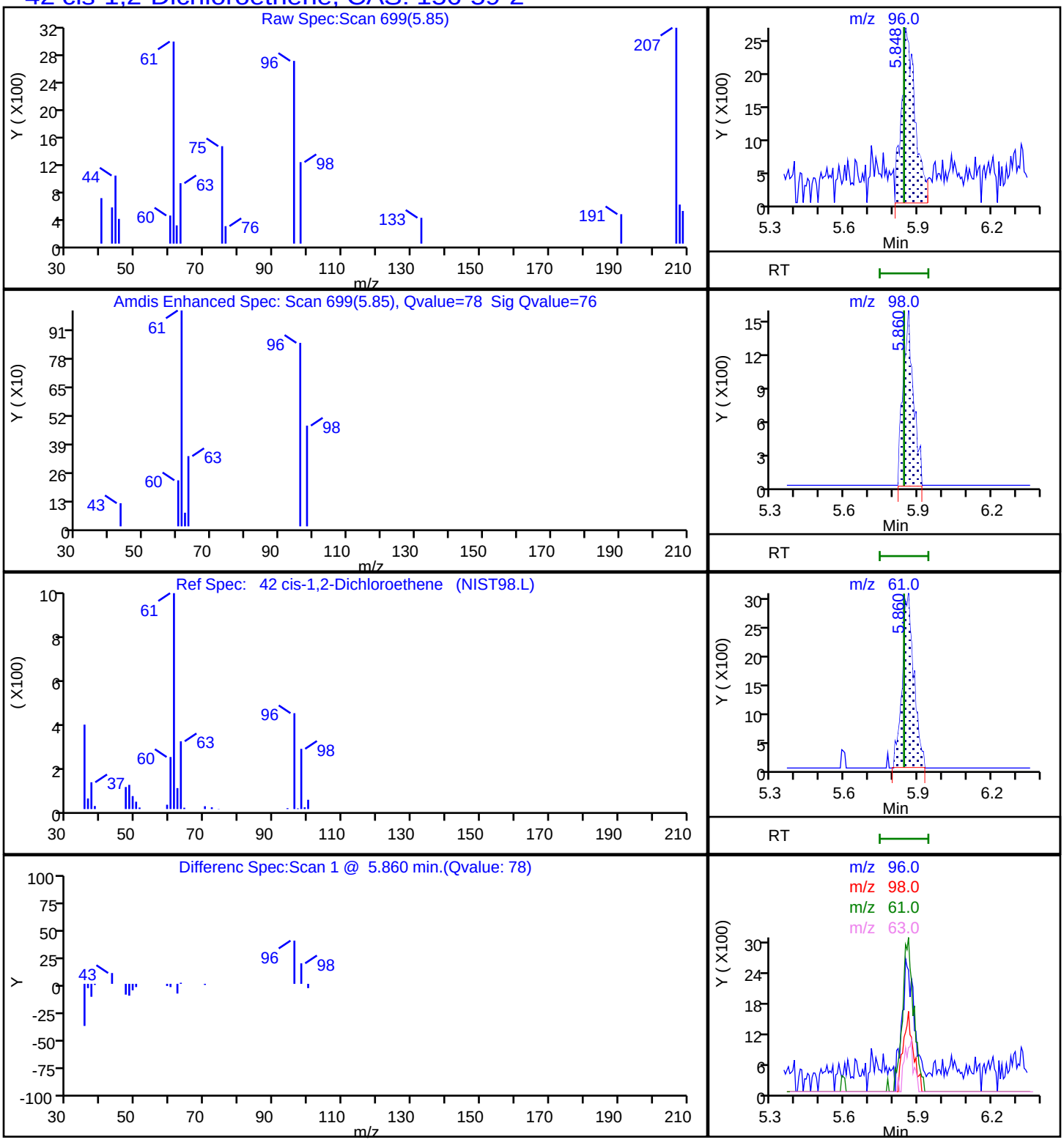
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 21

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_16334_25mL Limit Group: MSV - 8260C_D

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

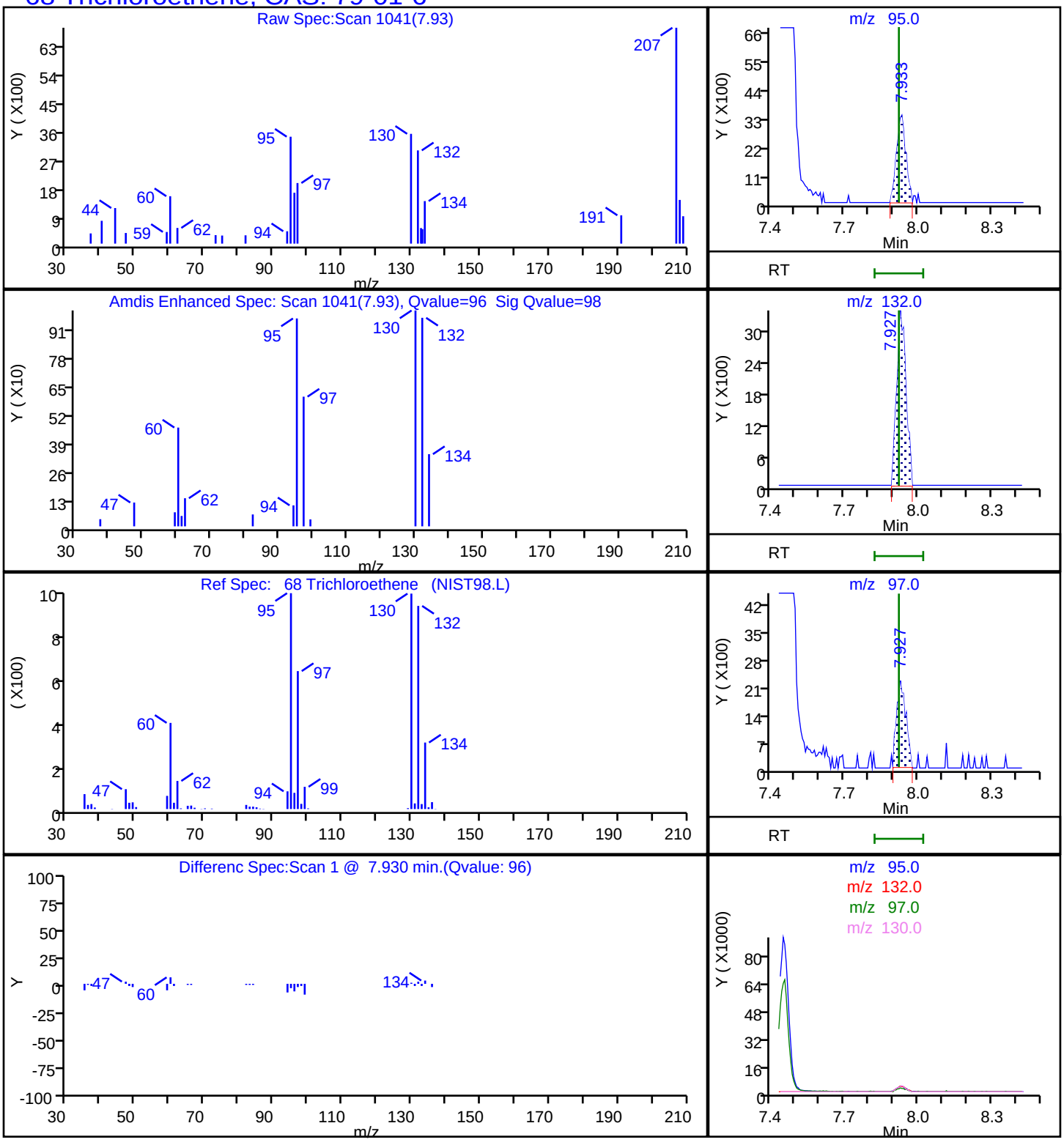
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X50.D				
Injection Date:	10-May-2024 00:53:30	Instrument ID:	16334		
Lims ID:	410-169938-A-10	Lab Sample ID:	410-169938-10		
Client ID:	HD-COD-SW-27-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

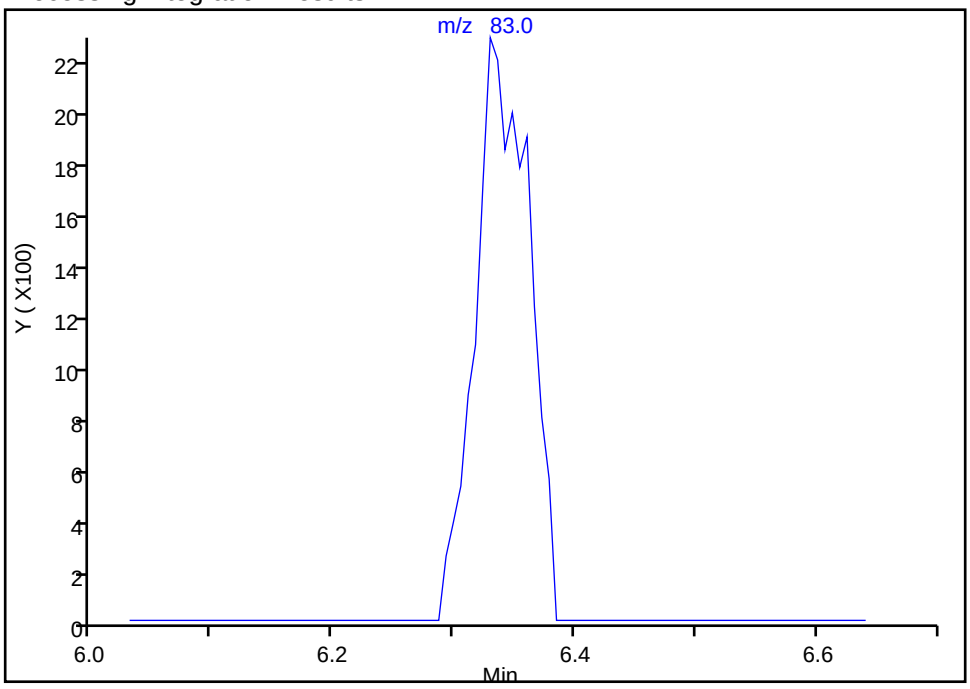
Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X50.D				
Injection Date:	10-May-2024 00:53:30	Instrument ID:	16334		
Lims ID:	410-169938-A-10	Lab Sample ID:	410-169938-10		
Client ID:	HD-COD-SW-27-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

51 Chloroform, CAS: 67-66-3

Signal: 1

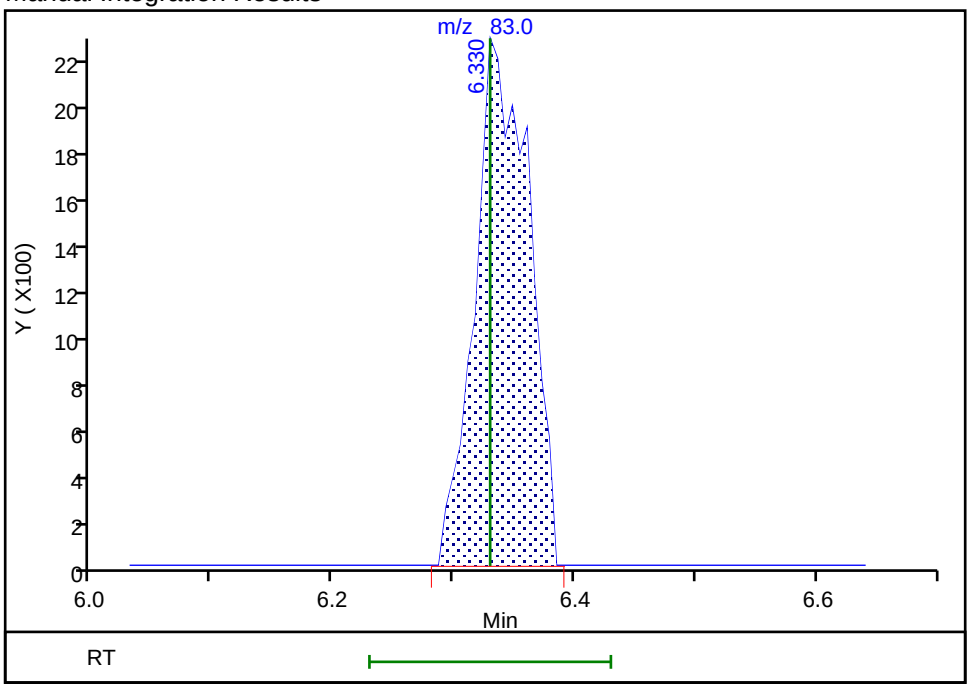
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.33
Area: 7147
Amount: 0.057499
Amount Units: ug/l



Reviewer: N9NA, 10-May-2024 13:04:47 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

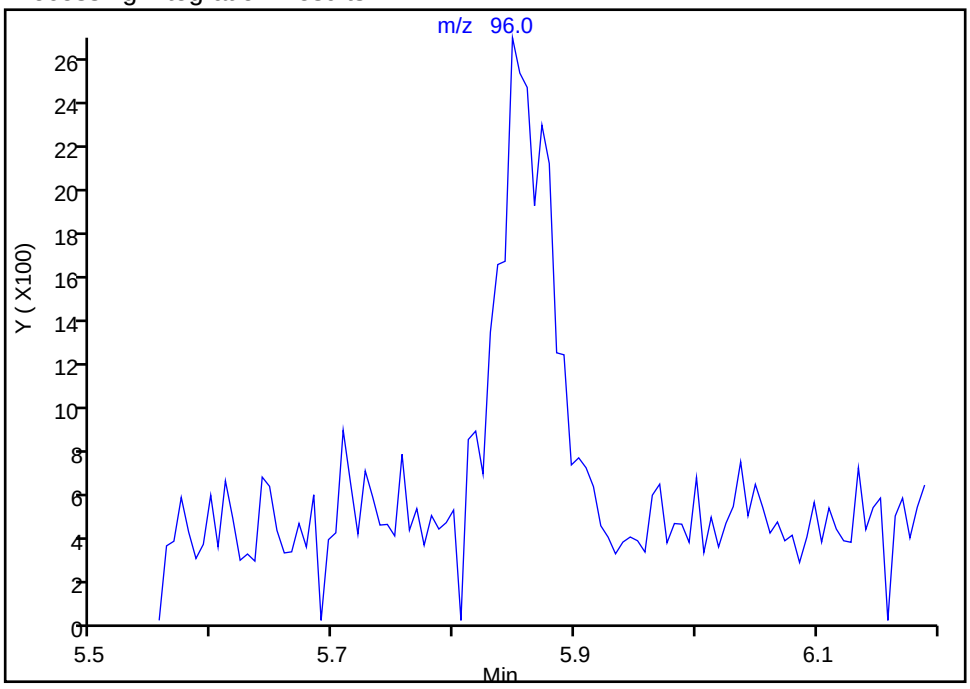
Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X50.D				
Injection Date:	10-May-2024 00:53:30	Instrument ID:	16334		
Lims ID:	410-169938-A-10	Lab Sample ID:	410-169938-10		
Client ID:	HD-COD-SW-27-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 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		

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

Signal: 1

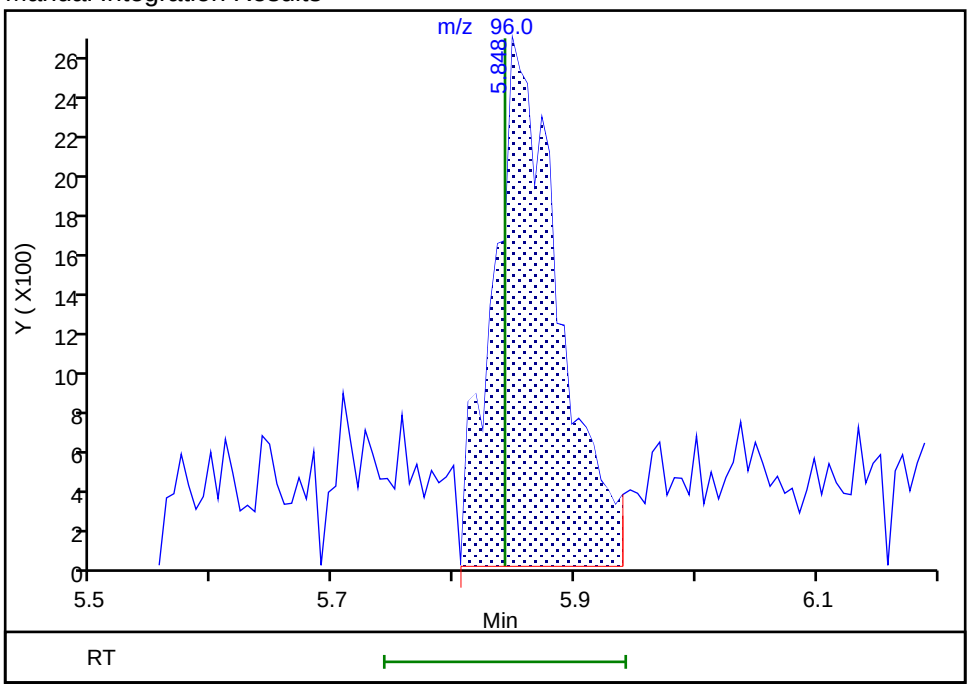
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.85
Area: 9941
Amount: 0.132226
Amount Units: ug/l



Reviewer: N9NA, 10-May-2024 13:04:41 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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-28-0/1-0
Lab Sample ID: 410-169938-11

Matrix: Water
Lab File ID: GY09X51.D

Analysis Method: 8260D
Date Collected: 04/29/2024 12:30

Sample wt/vol: 25(mL)
Date Analyzed: 05/10/2024 01:15

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.: 504341
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	2.3	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	0.098	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.094	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	0.33	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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-28-0/1-0
Lab Sample ID: 410-169938-11

Matrix: Water
Lab File ID: GY09X51.D

Analysis Method: 8260D
Date Collected: 04/29/2024 12:30

Sample wt/vol: 25(mL)
Date Analyzed: 05/10/2024 01:15

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.: 504341
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)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		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\20240509-113528.b\GY09X51.D
Lims ID: 410-169938-A-11
Client ID: HD-COD-SW-28-0/1-0
Sample Type: Client
Inject. Date: 10-May-2024 01:15:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-022
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 13:05:56 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: CTX1619

First Level Reviewer: N9NA Date: 10-May-2024 13:05:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.008	2.026	-0.018	94	4729	0.0610	
6 Vinyl chloride	62		2.135				ND	
9 Bromomethane	94		2.446				ND	
10 Chloroethane	64		2.526				ND	
18 1,1-Dichloroethene	96		3.330				ND	7
19 Acetone	43	3.385	3.361	0.024	98	14823	2.28	
24 Carbon disulfide	76	3.617	3.605	0.012	99	7718	0.0433	
29 Methylene Chloride	84		3.946				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.995	3.977	0.018	27	117916	50.0	
33 Methyl tert-butyl ether	73		4.336				ND	
34 trans-1,2-Dichloroethene	96		4.342				ND	
37 1,1-Dichloroethane	63		5.001				ND	
41 2-Butanone (MEK)	43		5.824				ND	
42 cis-1,2-Dichloroethene	96	5.860	5.842	0.018	78	6644	0.0945	a
49 Chlorobromomethane	128		6.171				ND	
51 Chloroform	83	6.342	6.330	0.012	91	11375	0.0978	
$ 52 Dibromofluoromethane (Surr)	113	6.549	6.549	0.000	93	596592	9.68	
53 1,1,1-Trichloroethane	97		6.555				ND	7
55 Carbon tetrachloride	117		6.769				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.007	7.000	0.007	66	114983	10.3	
60 Benzene	78		7.031				ND	7
61 1,2-Dichloroethane	62		7.104				ND	
* 64 Fluorobenzene (IS)	96	7.439	7.439	0.000	99	2580375	10.0	
68 Trichloroethene	95	7.927	7.921	0.006	96	8105	0.1170	
70 1,2-Dichloropropane	63		8.250				ND	
76 Dichlorobromomethane	83		8.598				ND	7
81 cis-1,3-Dichloropropene	75		9.158				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	7
$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2501488	10.3	
84 Toluene	92	9.561	9.561	0.000	98	10558	0.0648	
85 trans-1,3-Dichloropropene	75		9.829				ND	
107 1,1,2-Trichloroethane	97		10.036				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.122	10.122	0.000	94	25911	0.3341	
110 2-Hexanone	43		10.262				ND	
112 Chlorodibromomethane	129		10.414				ND	
113 Ethylene Dibromide	107		10.524				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	1876518	10.0	
116 Chlorobenzene	112		10.993				ND	
117 1,1,1,2-Tetrachloroethane	131		11.073				ND	
118 Ethylbenzene	91		11.079				ND	7
120 m-Xylene & p-Xylene	106		11.195				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.530				ND	7
122 Styrene	104		11.542				ND	7
123 Bromoform	173		11.695				ND	7
$ 127 4-Bromofluorobenzene (Surr)	95	11.975	11.969	0.006	90	871416	9.77	
128 1,1,2,2-Tetrachloroethane	83		12.079				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.853	12.853	0.000	96	958172	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00087 Amount Added: 1.00 Units: uL Run Reagent

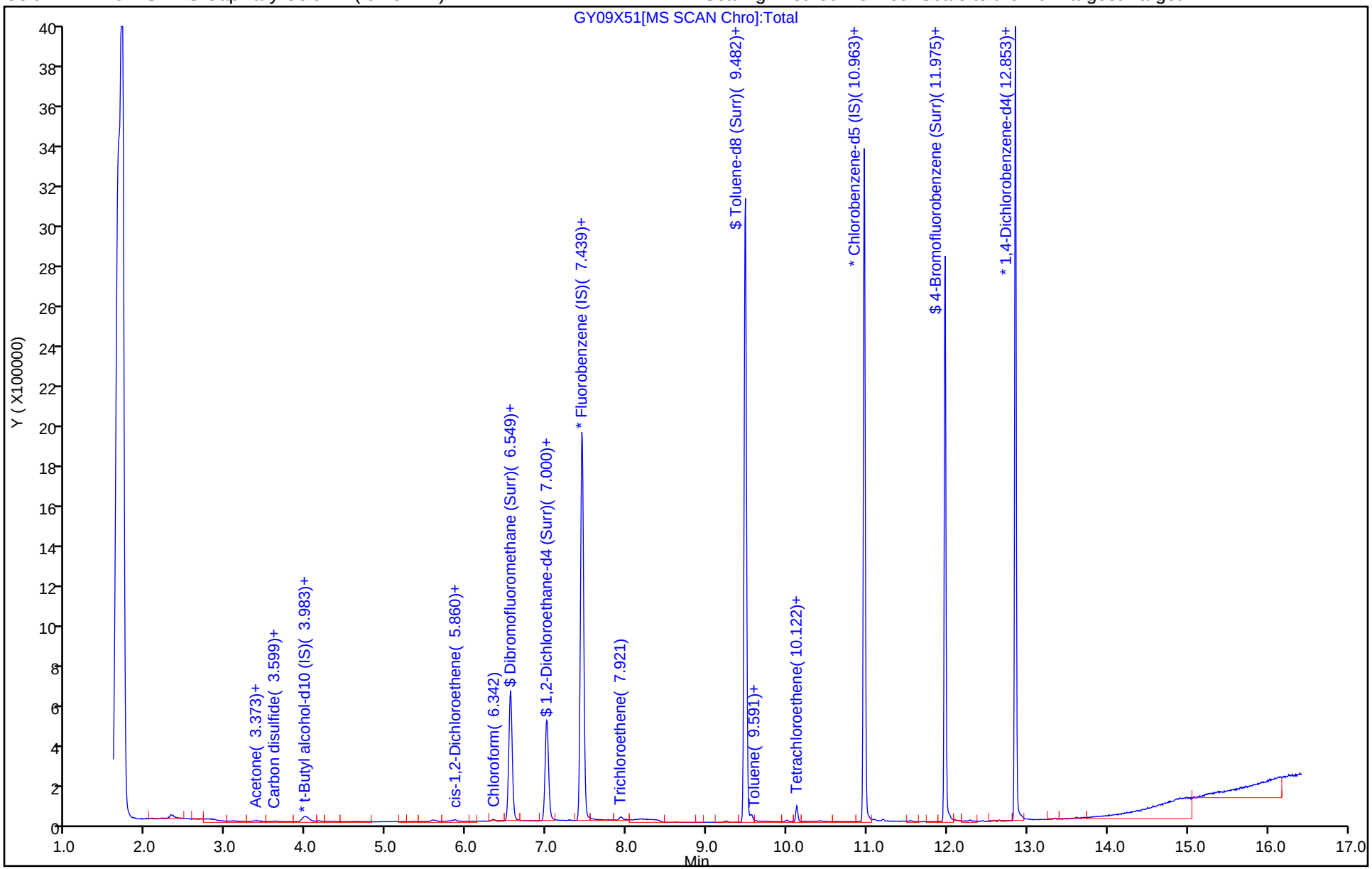
Report Date: 10-May-2024 13:05:57 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X51.D

Injection Date:	10-May-2024 01:15:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	410-169938-A-11	Lab Sample ID:	410-169938-11	Worklist Smp#:	22
Client ID:	HD-COD-SW-28-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
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\20240509-113528.b\GY09X51.D				
Lims ID:	410-169938-A-11				
Client ID:	HD-COD-SW-28-0/1-0				
Sample Type:	Client				
Inject. Date:	10-May-2024 01:15:30	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0113528-022				
Operator ID:	gaw91131	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	10-May-2024 13:05:56	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:	CTX1619				

First Level Reviewer: N9NA Date: 10-May-2024 13:05:56

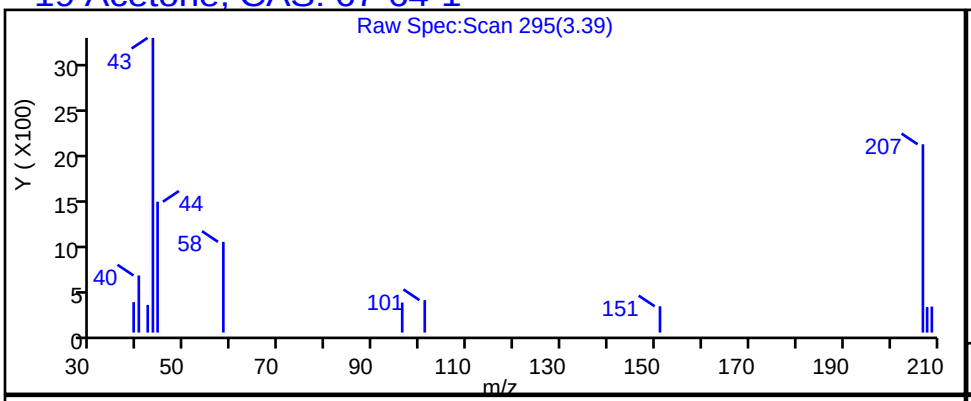
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.68	96.82
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	103.09
$ 83 Toluene-d8 (Surr)	10.0	10.3	102.80
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.77	97.74

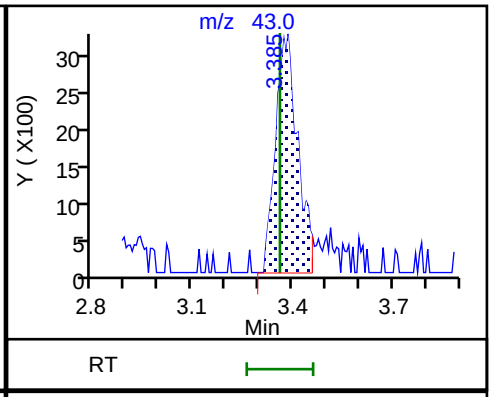
Report Date: 10-May-2024 13:05:57 Chrom Revision: 2.3 01-May-2024 15:52:26

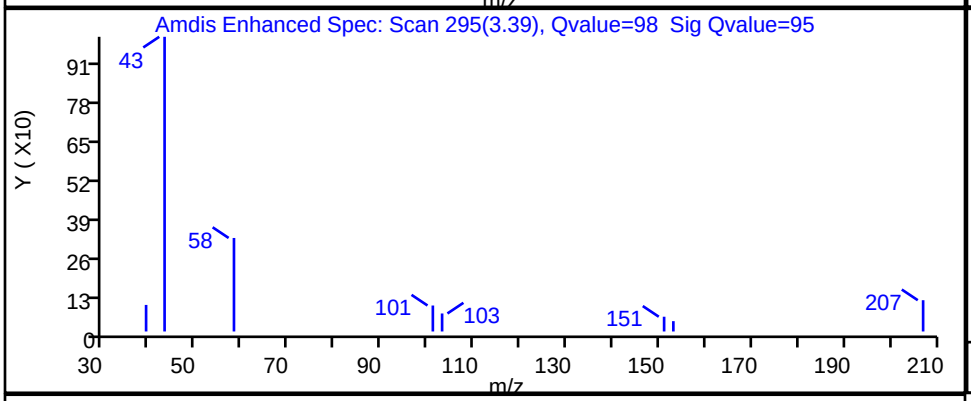
Eurofins Lancaster Laboratories Environment Testing, LLC

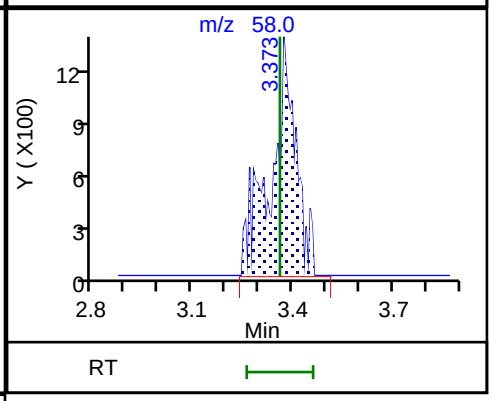
Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X51.D				
Injection Date:	10-May-2024 01:15:30	Instrument ID:	16334		
Lims ID:	410-169938-A-11	Lab Sample ID:	410-169938-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 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		

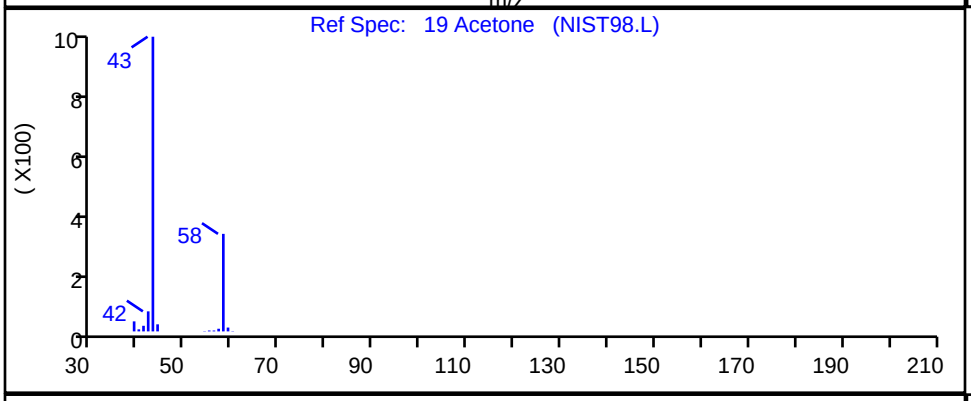
19 Acetone, CAS: 67-64-1

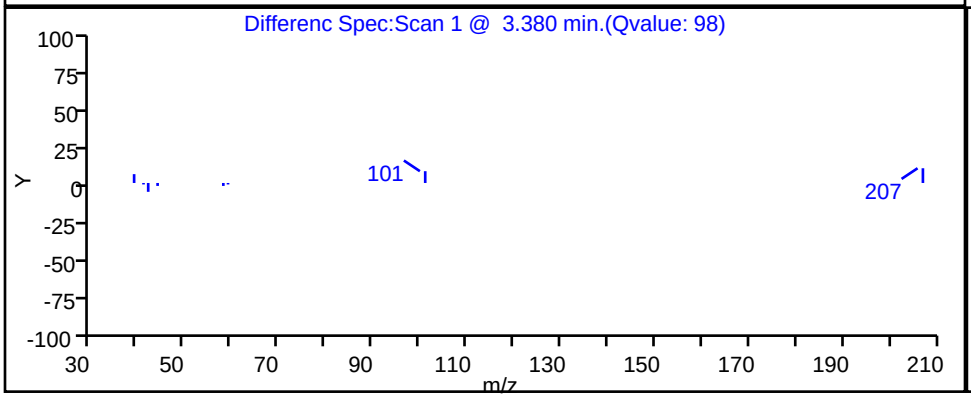


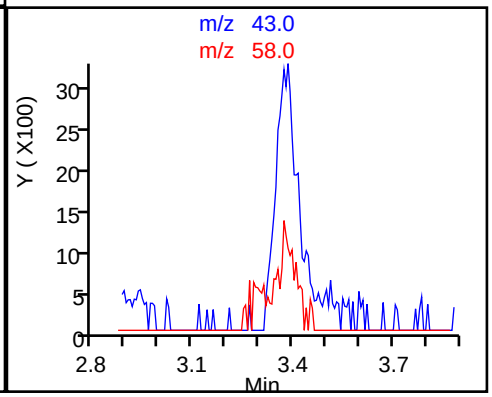








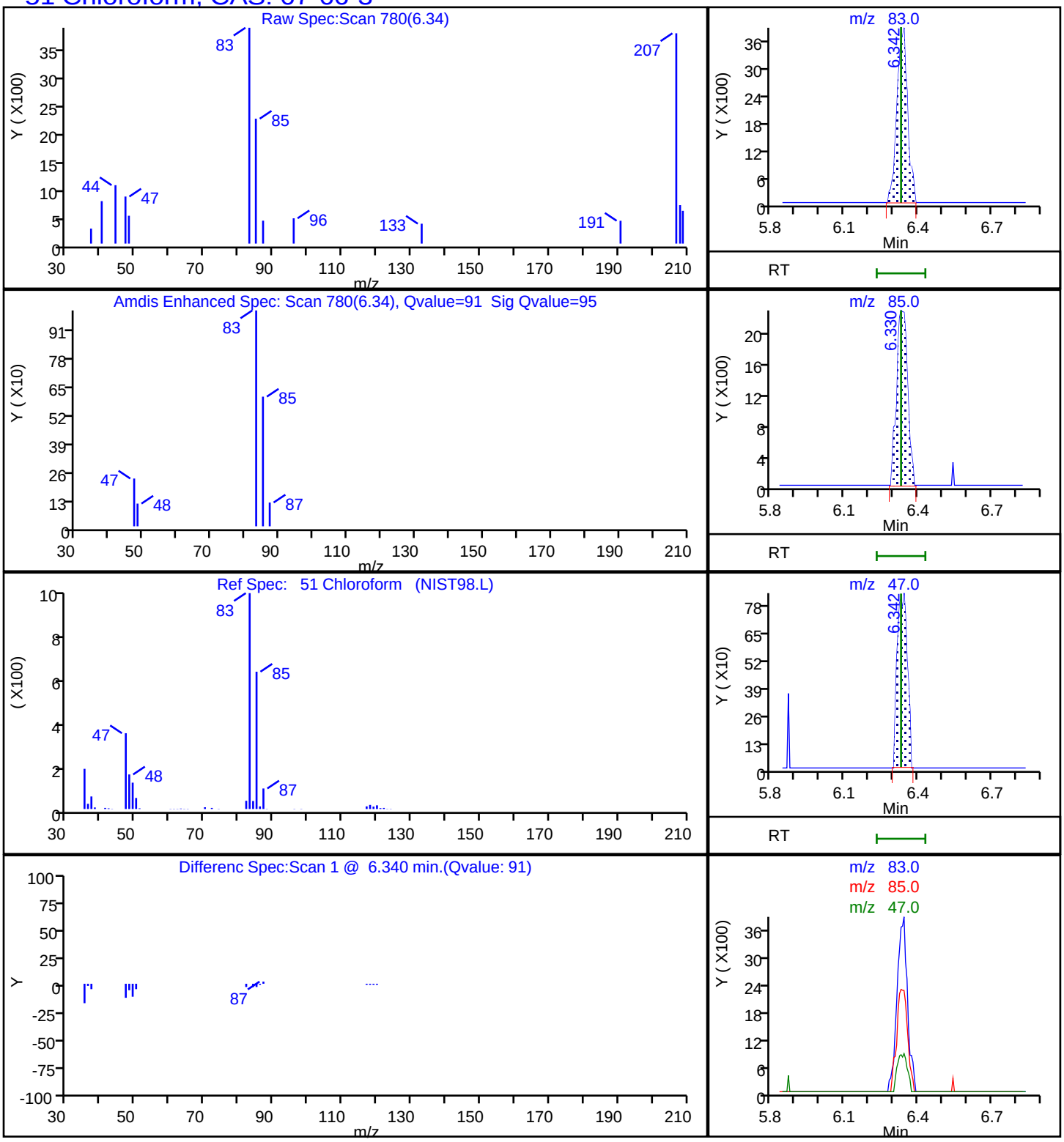




Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X51.D				
Injection Date:	10-May-2024 01:15:30	Instrument ID:	16334		
Lims ID:	410-169938-A-11	Lab Sample ID:	410-169938-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
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		

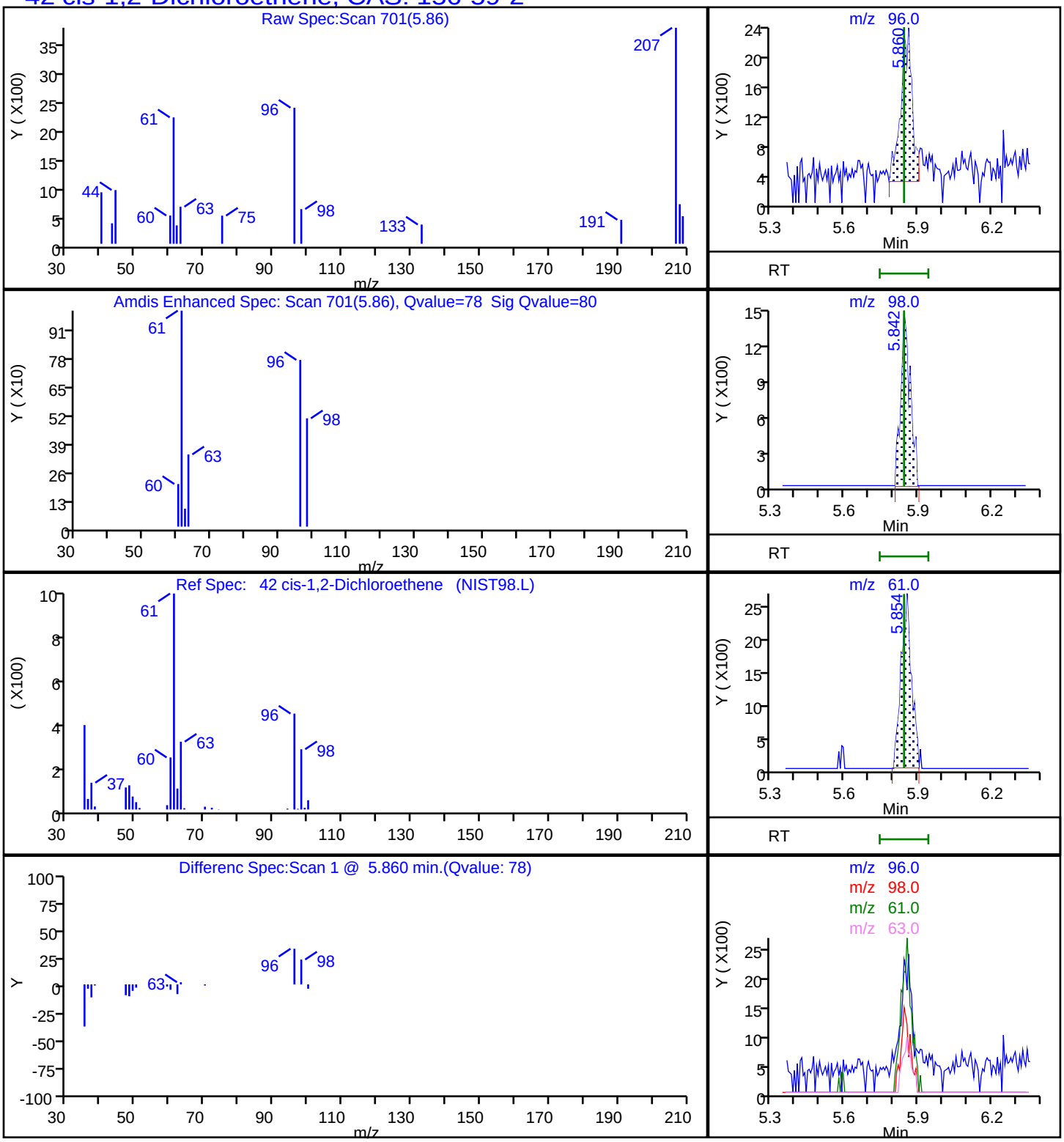
51 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X51.D				
Injection Date:	10-May-2024 01:15:30	Instrument ID:	16334		
Lims ID:	410-169938-A-11	Lab Sample ID:	410-169938-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
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		

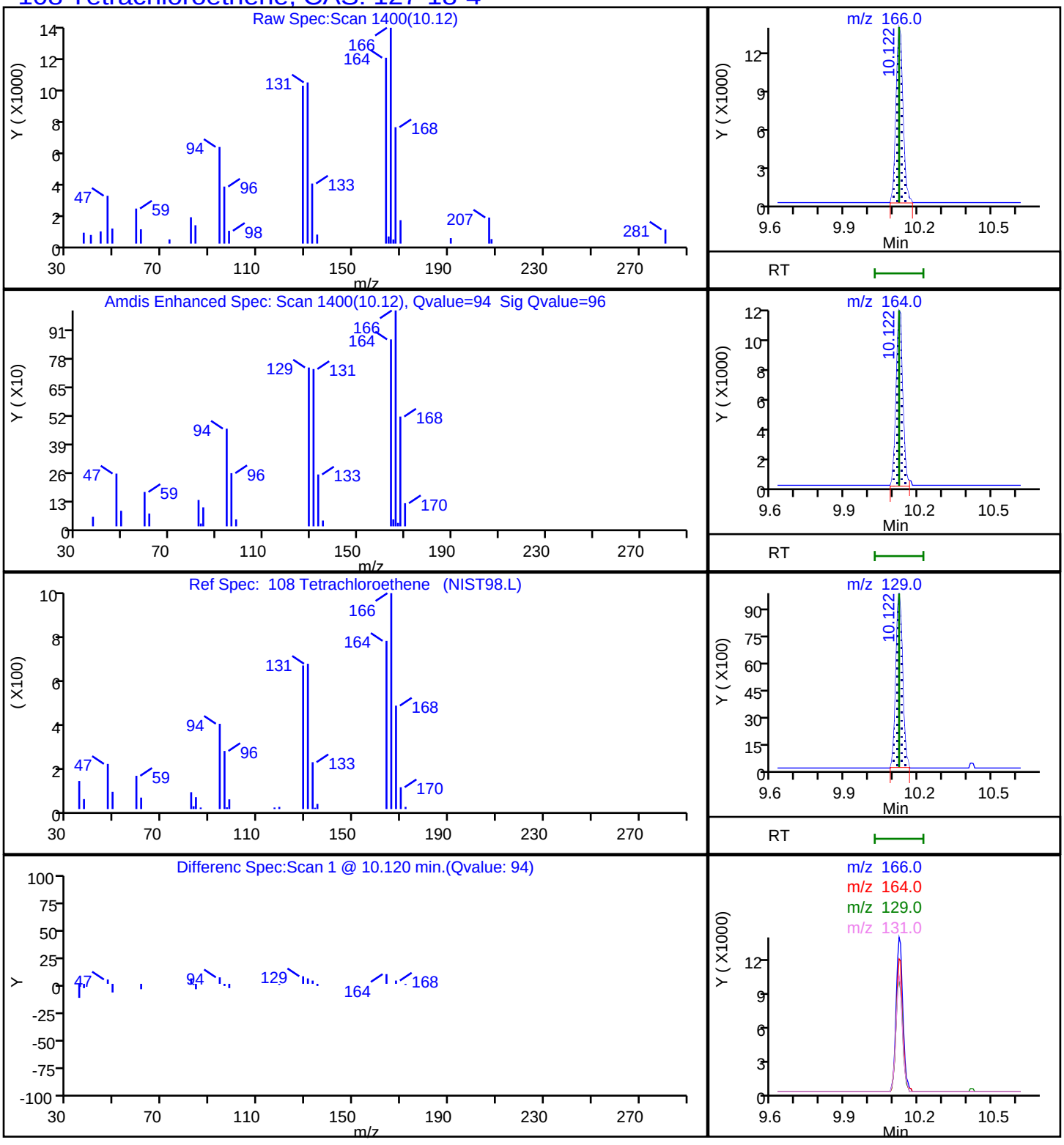
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X51.D				
Injection Date:	10-May-2024 01:15:30	Instrument ID:	16334		
Lims ID:	410-169938-A-11	Lab Sample ID:	410-169938-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
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		

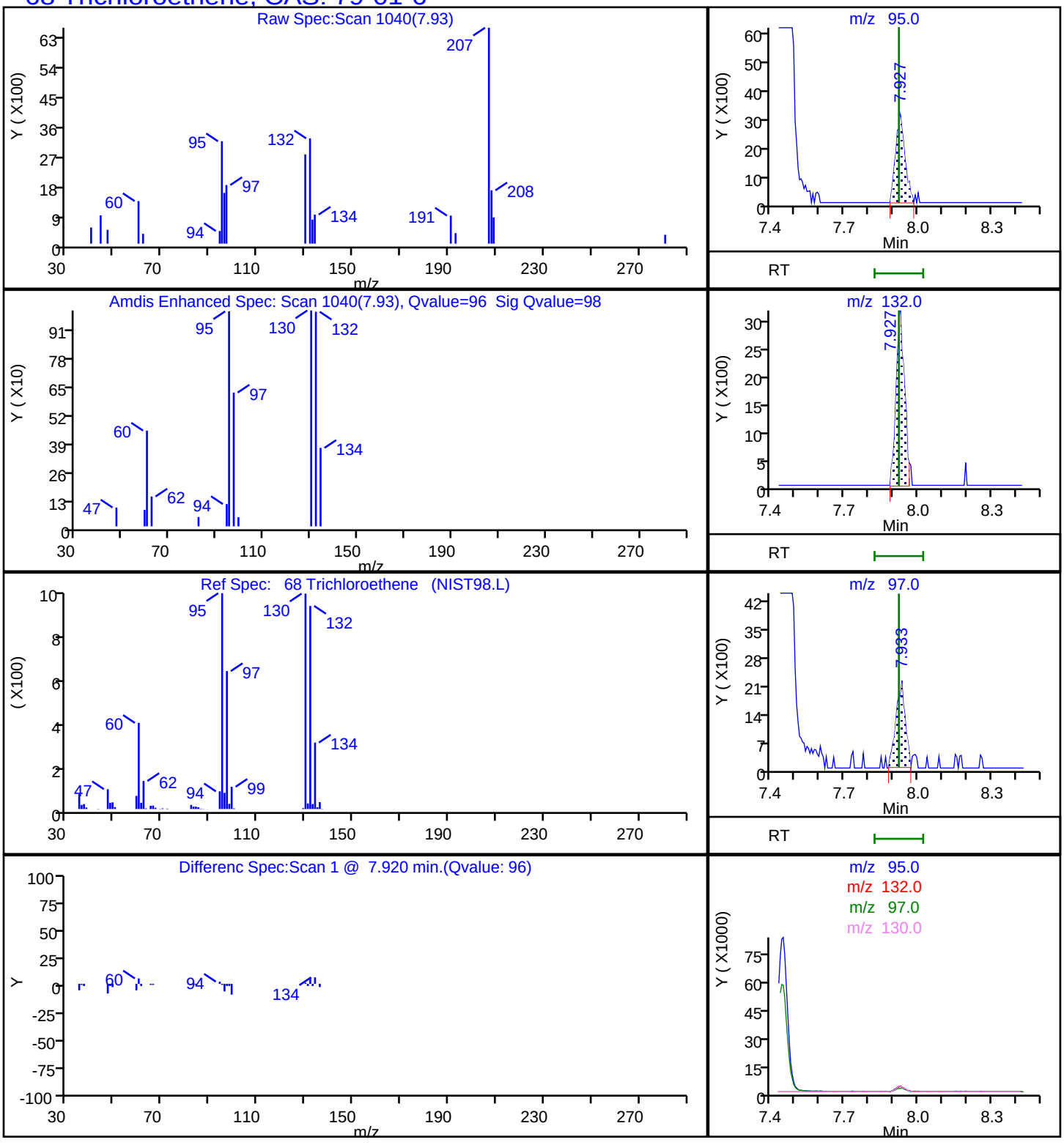
108 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X51.D				
Injection Date:	10-May-2024 01:15:30	Instrument ID:	16334		
Lims ID:	410-169938-A-11	Lab Sample ID:	410-169938-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

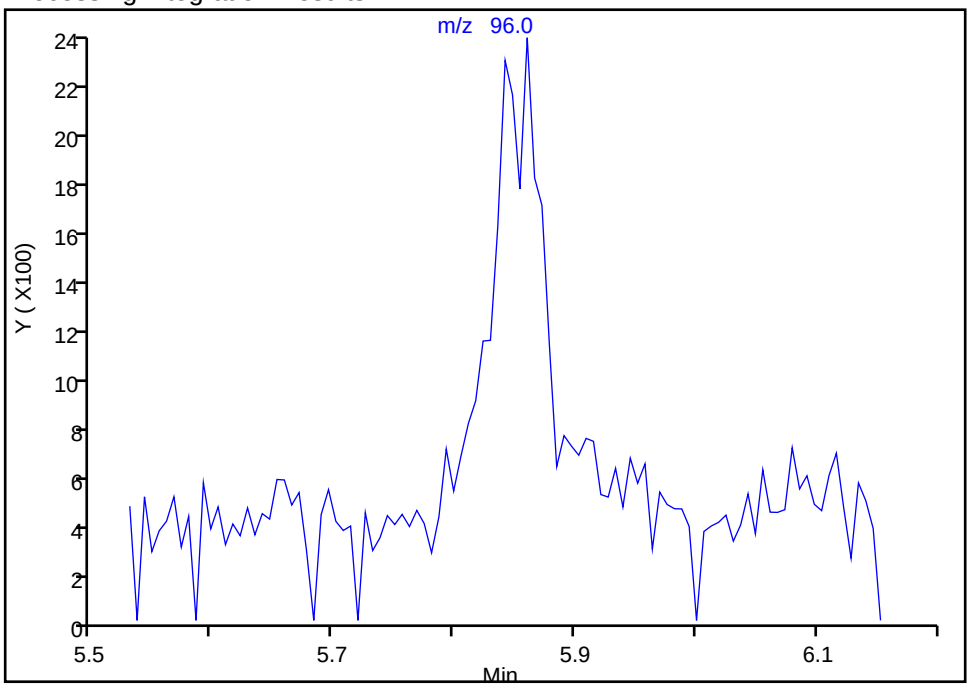
Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X51.D				
Injection Date:	10-May-2024 01:15:30	Instrument ID:	16334		
Lims ID:	410-169938-A-11	Lab Sample ID:	410-169938-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 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		

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

Signal: 1

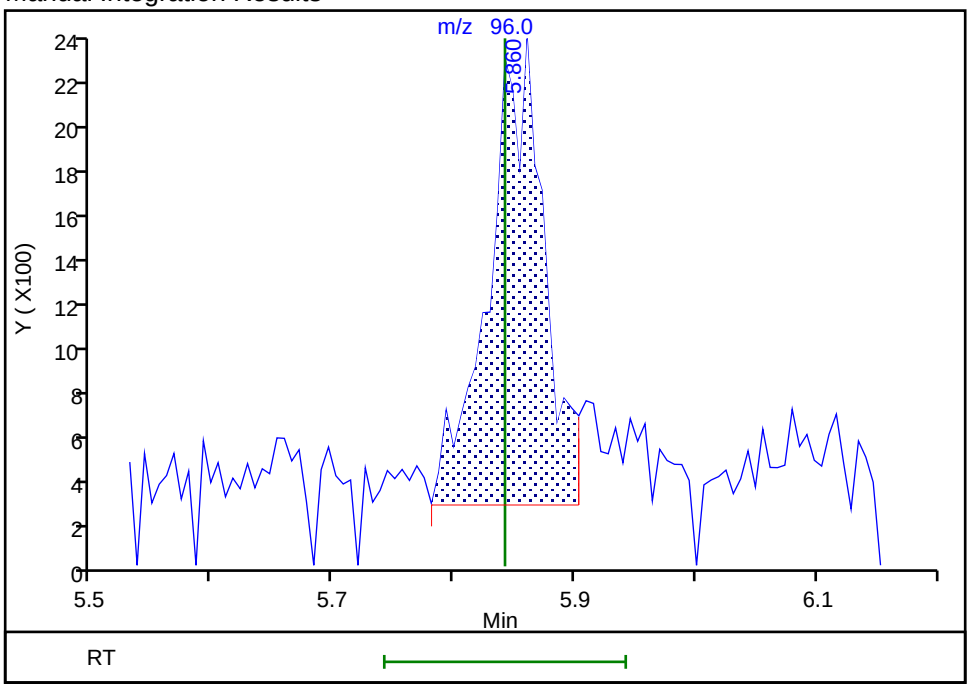
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.86
Area: 6644
Amount: 0.094450
Amount Units: ug/l



Reviewer: N9NA, 10-May-2024 13:05:35 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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-29-0/1-0
Lab Sample ID: 410-169938-12

Matrix: Water
Lab File ID: GY09X52.D

Analysis Method: 8260D
Date Collected: 04/29/2024 09:00

Sample wt/vol: 25(mL)
Date Analyzed: 05/10/2024 01:37

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.: 504341
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	0.18	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	0.47	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.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-29-0/1-0
Lab Sample ID: 410-169938-12

Matrix: Water
Lab File ID: GY09X52.D

Analysis Method: 8260D
Date Collected: 04/29/2024 09:00

Sample wt/vol: 25(mL)
Date Analyzed: 05/10/2024 01:37

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.: 504341
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	0.14	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)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		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\20240509-113528.b\GY09X52.D
Lims ID: 410-169938-A-12
Client ID: HD-COD-SW-29-0/1-0
Sample Type: Client
Inject. Date: 10-May-2024 01:37:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-023
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 13:43:18 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: CTX1619

First Level Reviewer: N9NA Date: 10-May-2024 13:43:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.008	2.026	-0.018	97	5794	0.0718	
6 Vinyl chloride	62		2.135				ND	7
9 Bromomethane	94		2.446				ND	
10 Chloroethane	64		2.526				ND	
18 1,1-Dichloroethene	96		3.330				ND	U
19 Acetone	43	3.391	3.361	0.030	99	12153	1.80	
24 Carbon disulfide	76		3.605				ND	7
29 Methylene Chloride	84		3.946				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.995	3.977	0.018	21	122553	50.0	
33 Methyl tert-butyl ether	73		4.336				ND	
34 trans-1,2-Dichloroethene	96		4.342				ND	
37 1,1-Dichloroethane	63		5.001				ND	
41 2-Butanone (MEK)	43		5.824				ND	
42 cis-1,2-Dichloroethene	96	5.848	5.842	0.006	75	12816	0.1751	
49 Chlorobromomethane	128		6.171				ND	
51 Chloroform	83	6.336	6.330	0.006	91	6272	0.0518	
$ 52 Dibromofluoromethane (Surr)	113	6.549	6.549	0.000	93	620241	9.67	
53 1,1,1-Trichloroethane	97		6.555				ND	7
55 Carbon tetrachloride	117		6.769				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.007	7.000	0.007	66	116876	10.1	
60 Benzene	78		7.031				ND	7
61 1,2-Dichloroethane	62		7.104				ND	
* 64 Fluorobenzene (IS)	96	7.446	7.439	0.007	99	2685176	10.0	
68 Trichloroethene	95	7.927	7.921	0.006	96	10022	0.1390	
70 1,2-Dichloropropane	63		8.250				ND	
76 Dichlorobromomethane	83		8.598				ND	
81 cis-1,3-Dichloropropene	75		9.158				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
$ 83 Toluene-d8 (Surr)	98	9.476	9.482	-0.006	94	2613960	10.3	
84 Toluene	92	9.555	9.561	-0.006	98	10688	0.0628	
85 trans-1,3-Dichloropropene	75		9.829				ND	
107 1,1,2-Trichloroethane	97		10.036				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.122	10.122	0.000	97	38416	0.4737	
110 2-Hexanone	43		10.262				ND	
112 Chlorodibromomethane	129		10.414				ND	
113 Ethylene Dibromide	107		10.524				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	1962362	10.0	
116 Chlorobenzene	112		10.993				ND	
117 1,1,1,2-Tetrachloroethane	131		11.073				ND	
118 Ethylbenzene	91		11.079				ND	7
120 m-Xylene & p-Xylene	106		11.195				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.530				ND	7
122 Styrene	104		11.542				ND	
123 Bromoform	173		11.695				ND	7
$ 127 4-Bromofluorobenzene (Surr)	95	11.975	11.969	0.006	91	901687	9.67	
128 1,1,2,2-Tetrachloroethane	83		12.079				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.853	12.853	0.000	96	1000835	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

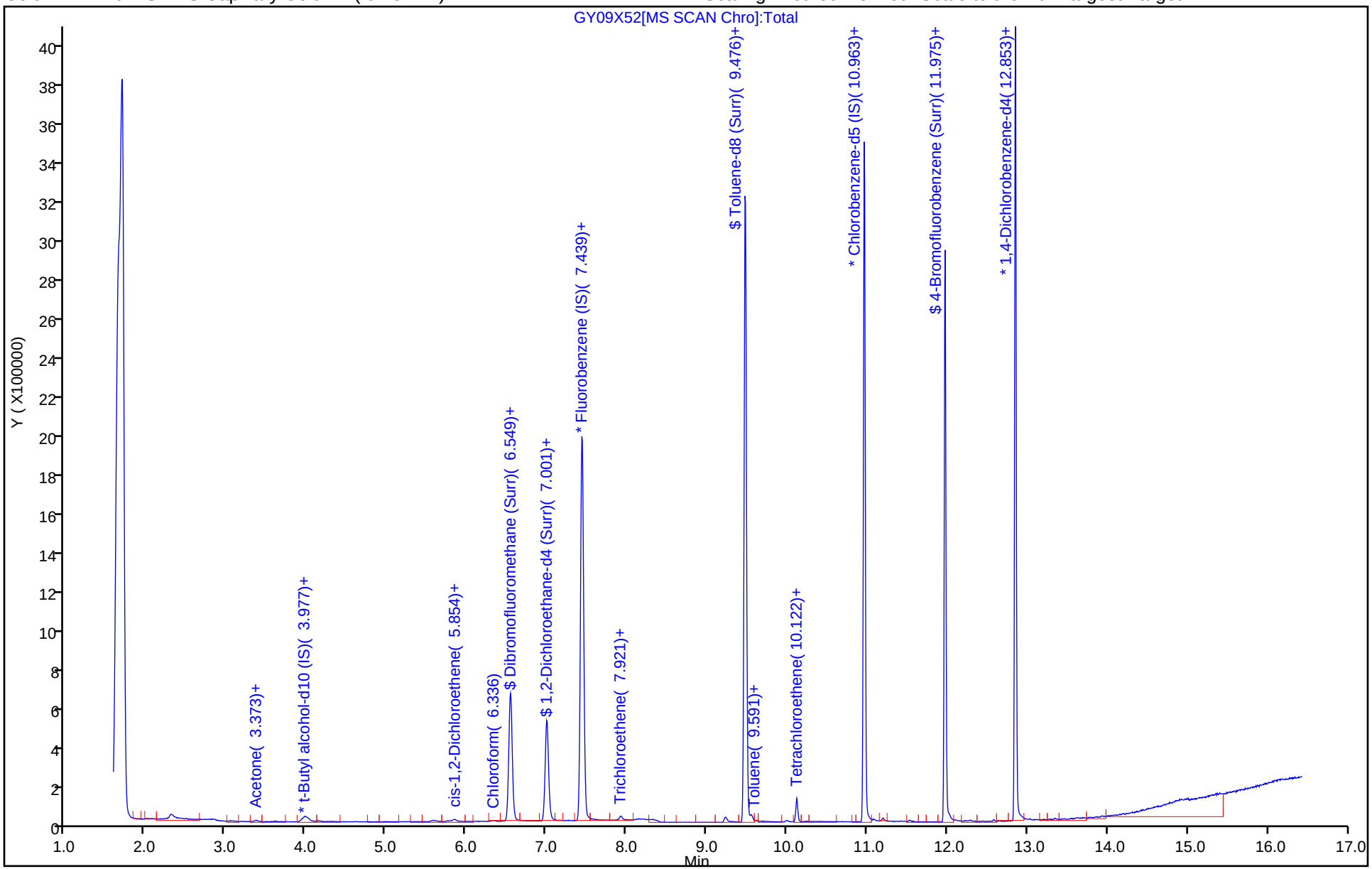
MSV_HP25_ISSS_00087 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 10-May-2024 13:43:18 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X52.D				
Injection Date:	10-May-2024 01:37:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	410-169938-A-12	Lab Sample ID:	410-169938-12	Worklist Smp#:	23
Client ID:	HD-COD-SW-29-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
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\20240509-113528.b\GY09X52.D
Lims ID: 410-169938-A-12
Client ID: HD-COD-SW-29-0/1-0
Sample Type: Client
Inject. Date: 10-May-2024 01:37:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-023
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 13:43:18 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: CTX1619

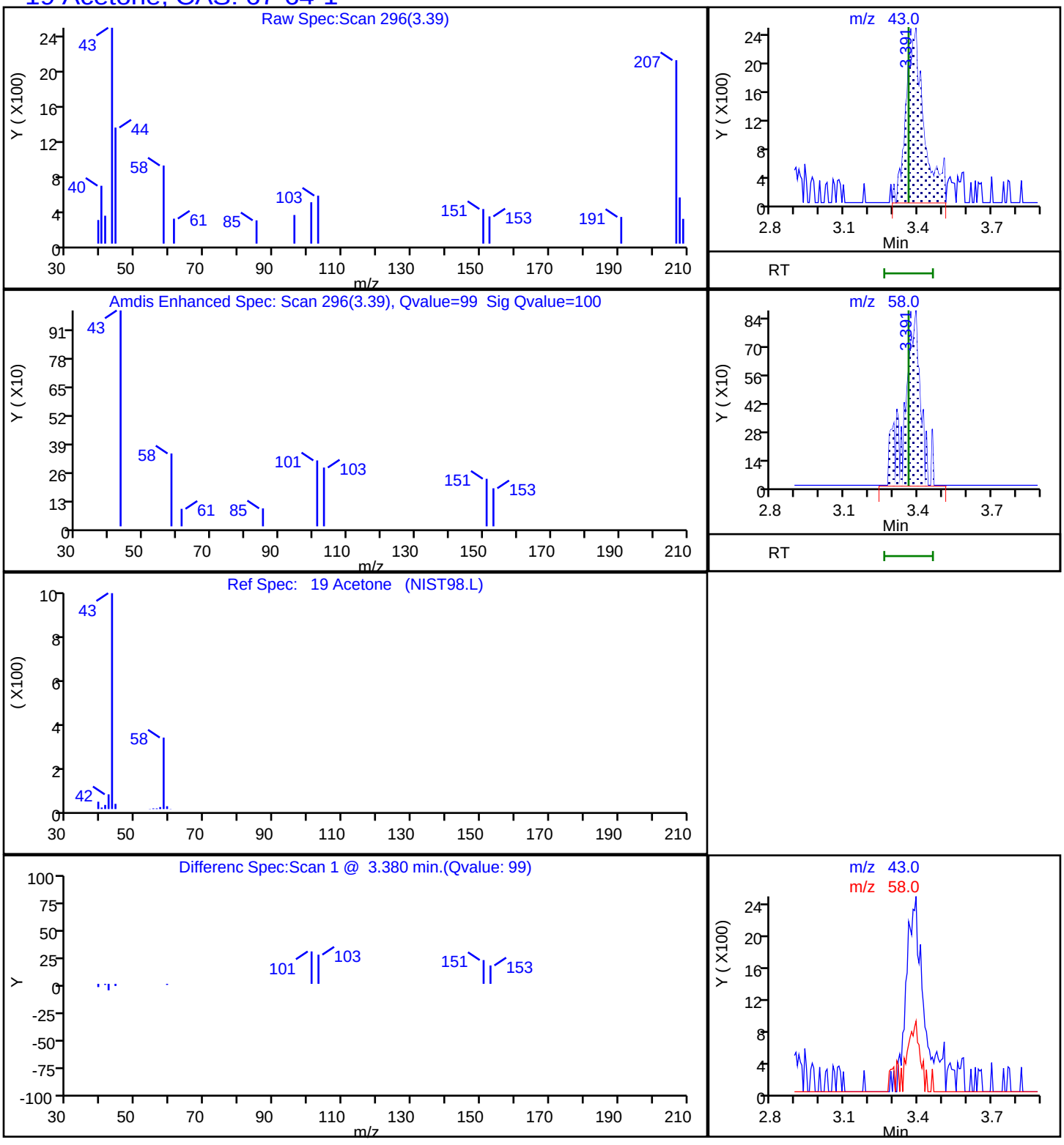
First Level Reviewer: N9NA Date: 10-May-2024 13:43:18

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.67	96.73
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.70
$ 83 Toluene-d8 (Surr)	10.0	10.3	102.72
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.67	96.71

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X52.D				
Injection Date:	10-May-2024 01:37:30	Instrument ID:	16334		
Lims ID:	410-169938-A-12	Lab Sample ID:	410-169938-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	22	Worklist Smp#:	23
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		

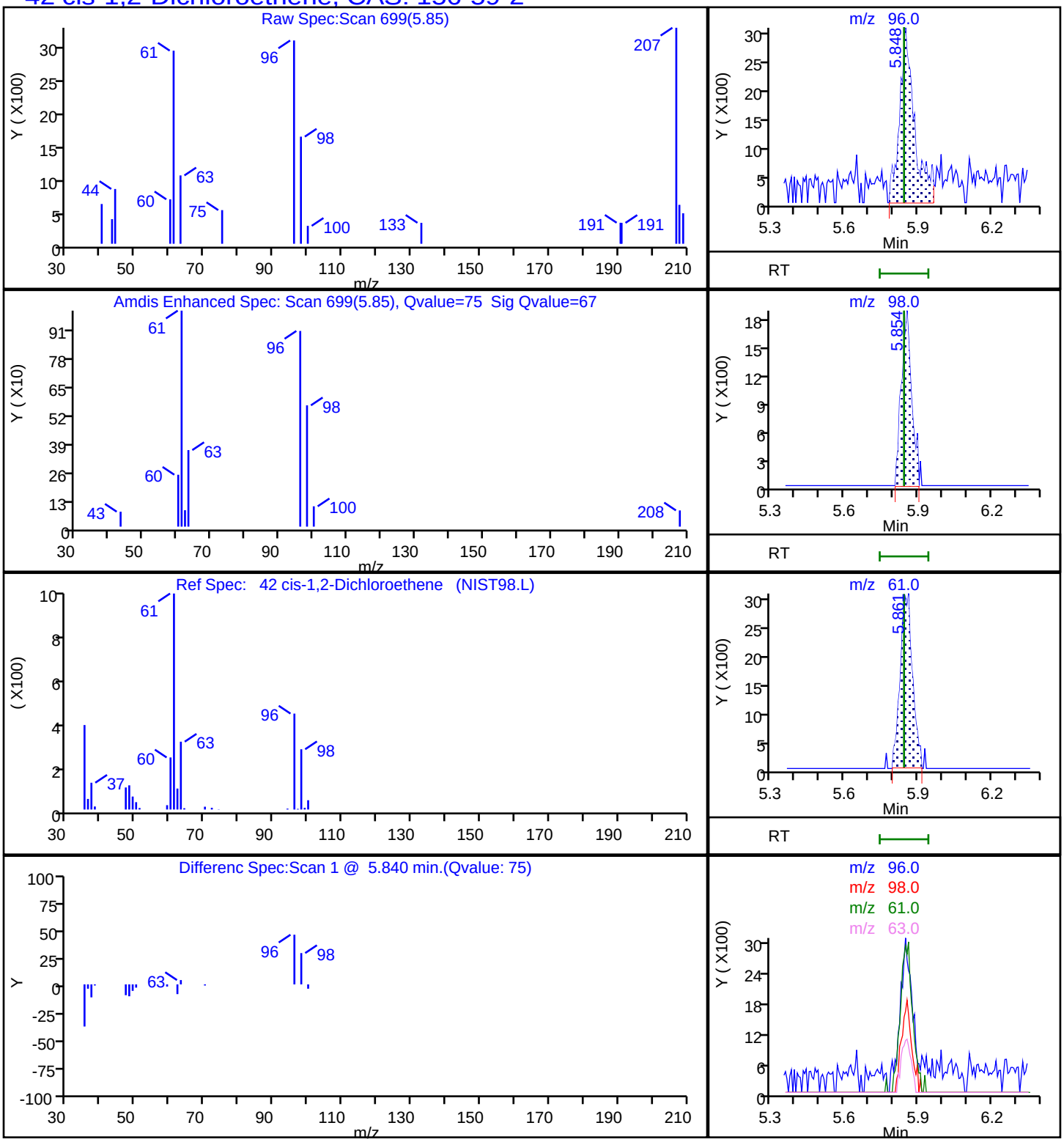
19 Acetone, CAS: 67-64-1



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X52.D				
Injection Date:	10-May-2024 01:37:30	Instrument ID:	16334		
Lims ID:	410-169938-A-12	Lab Sample ID:	410-169938-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	22	Worklist Smp#:	23
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

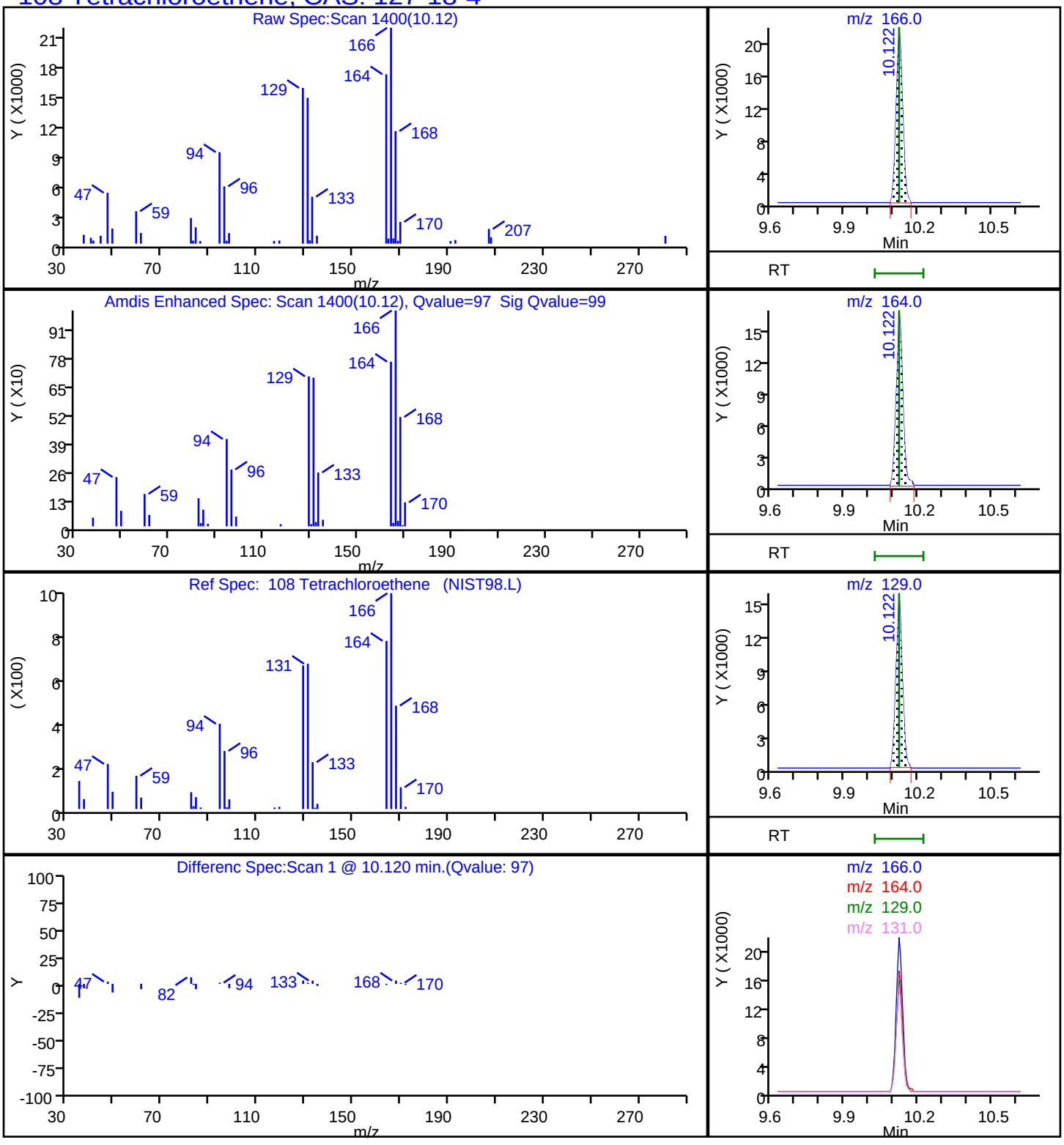


Report Date: 10-May-2024 13:43:18 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X52.D				
Injection Date:	10-May-2024 01:37:30	Instrument ID:	16334		
Lims ID:	410-169938-A-12	Lab Sample ID:	410-169938-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	22	Worklist Smp#:	23
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		

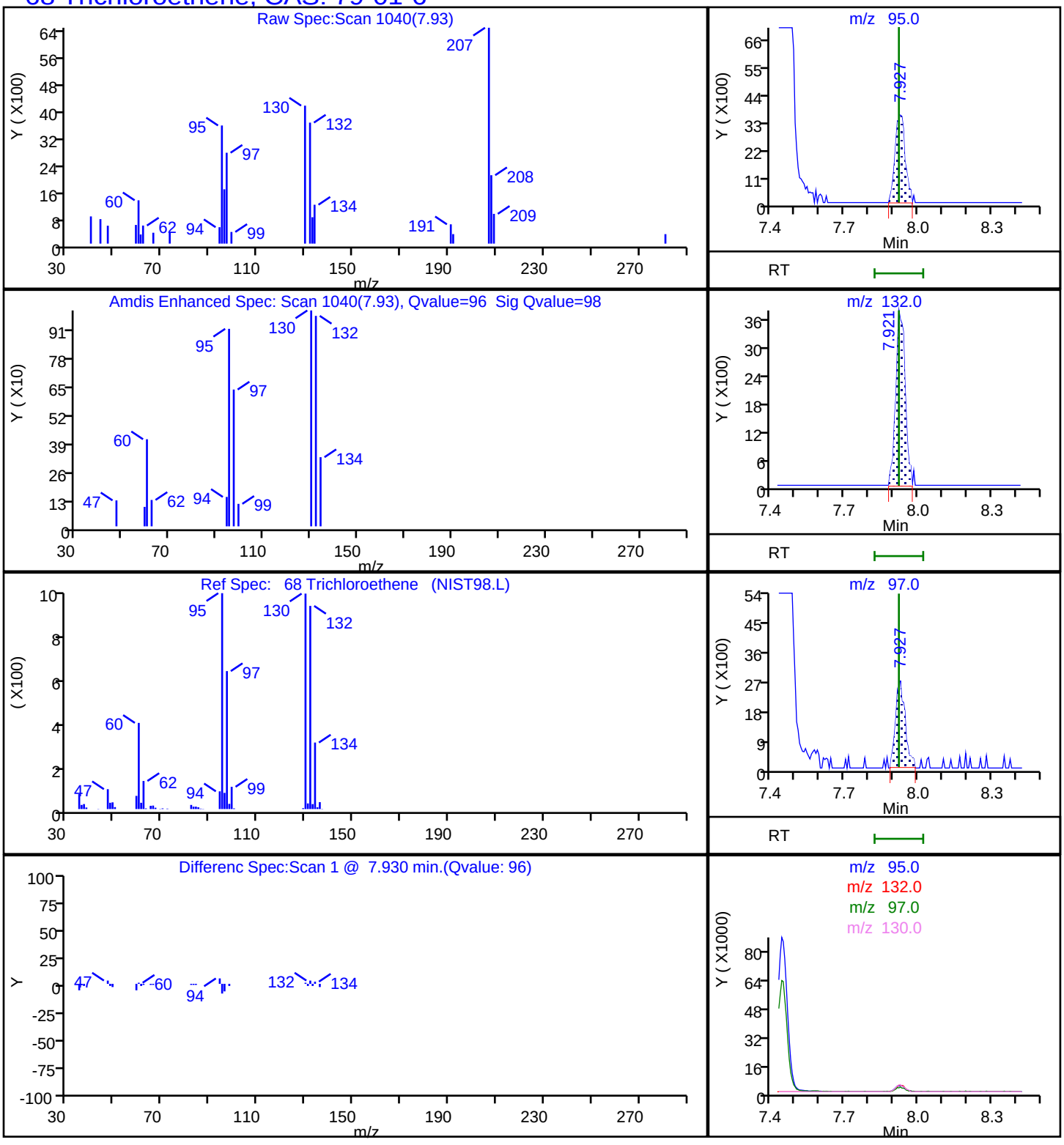
108 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X52.D				
Injection Date:	10-May-2024 01:37:30	Instrument ID:	16334		
Lims ID:	410-169938-A-12	Lab Sample ID:	410-169938-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	22	Worklist Smp#:	23
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		

68 Trichloroethene, CAS: 79-01-6



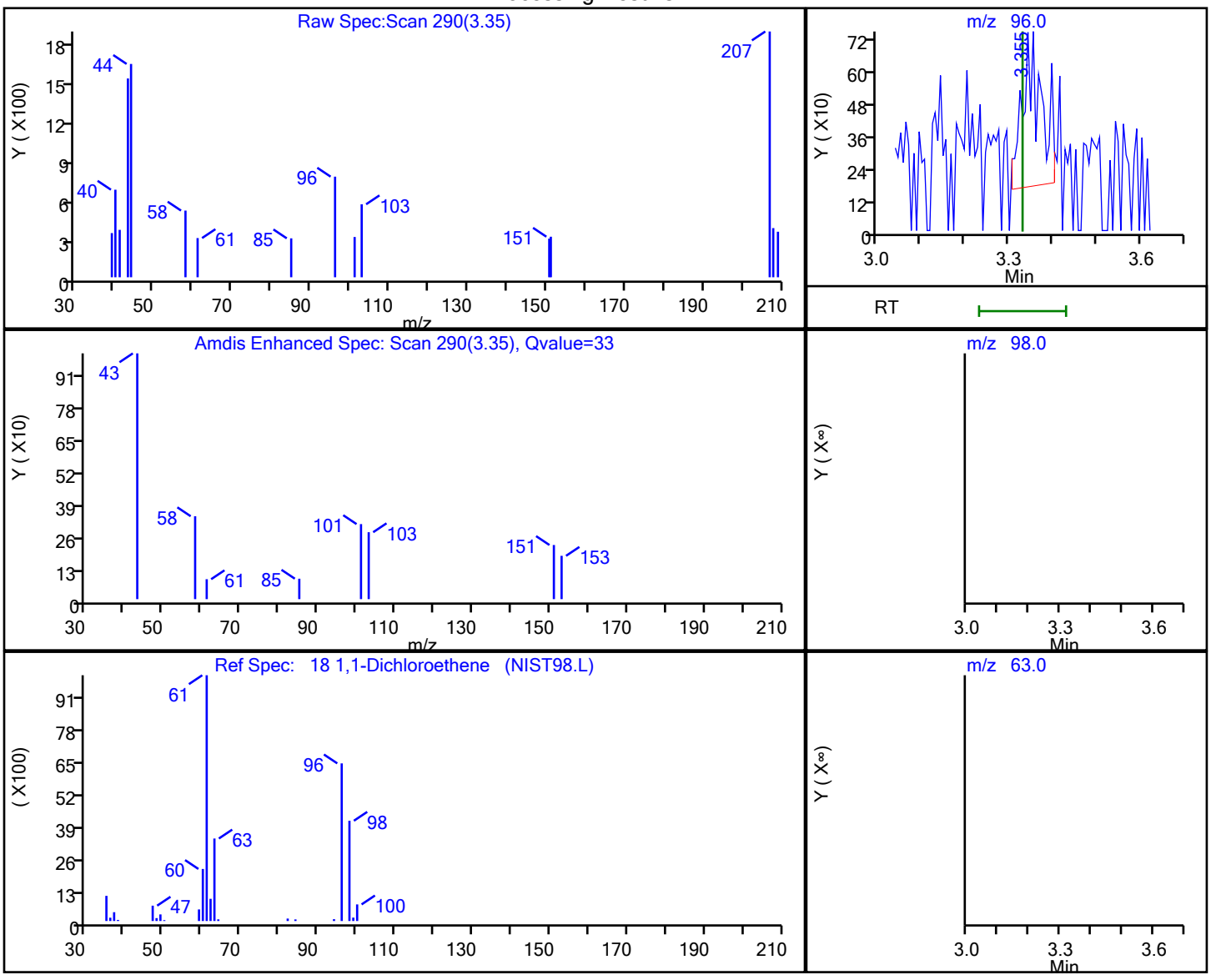
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X52.D				
Injection Date:	10-May-2024 01:37:30	Instrument ID:	16334		
Lims ID:	410-169938-A-12	Lab Sample ID:	410-169938-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	22	Worklist Smp#:	23
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

Processing Results



RT	Mass	Response	Amount
3.35	96.00	1740	0.031931
3.33	98.00	0	
3.33	63.00	0	
3.37	61.00	860	

Reviewer: N9NA, 10-May-2024 13:42:44 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.: 410-169938-1

SDG No.:

Client Sample ID: HD-QC1-0/1-1
Lab Sample ID: 410-169938-13

Matrix: Water
Lab File ID: GY09X59.D

Analysis Method: 8260D
Date Collected: 04/29/2024 12:00

Sample wt/vol: 25(mL)
Date Analyzed: 05/10/2024 04:11

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.: 504341
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	9.4		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND	*+	0.50	0.10
79-00-5	1,1,2-Trichloroethane	2.0		0.50	0.080
75-34-3	1,1-Dichloroethane	1.8		0.50	0.10
75-35-4	1,1-Dichloroethene	0.82		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	0.21	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	3.1		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.: 410-169938-1

SDG No.:

Client Sample ID: HD-QC1-0/1-1
Lab Sample ID: 410-169938-13

Matrix: Water
Lab File ID: GY09X59.D

Analysis Method: 8260D
Date Collected: 04/29/2024 12:00

Sample wt/vol: 25(mL)
Date Analyzed: 05/10/2024 04:11

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.: 504341
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	4.2		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)	98		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\16334\20240509-113528.b\GY09X59.D
Lims ID: 410-169938-A-13
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 10-May-2024 04:11:30 ALS Bottle#: 29 Worklist Smp#: 30
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-030
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 03:37:34 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: CTX1659

First Level Reviewer: UKAD Date: 10-May-2024 09:17:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.014	2.026	-0.012	1	2351	0.0348	
6 Vinyl chloride	62		2.135				ND	7
9 Bromomethane	94		2.446				ND	7
10 Chloroethane	64		2.526				ND	
18 1,1-Dichloroethene	96	3.336	3.330	0.006	98	37501	0.8227	
19 Acetone	43	3.373	3.361	0.012	20	4455	0.7395	
24 Carbon disulfide	76		3.605				ND	7
29 Methylene Chloride	84		3.946				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	4.001	3.977	0.024	27	109292	50.0	
33 Methyl tert-butyl ether	73	4.348	4.336	0.012	76	2991	0.0273	
34 trans-1,2-Dichloroethene	96	4.348	4.342	0.006	87	2577	0.0471	
37 1,1-Dichloroethane	63	5.007	5.001	0.006	96	168043	1.83	
41 2-Butanone (MEK)	43		5.824				ND	
42 cis-1,2-Dichloroethene	96	5.854	5.842	0.012	79	192655	3.15	
49 Chlorobromomethane	128		6.171				ND	
51 Chloroform	83	6.336	6.330	0.006	93	21280	0.2102	
$ 52 Dibromofluoromethane (Surr)	113	6.549	6.549	0.000	93	527674	9.84	
53 1,1,1-Trichloroethane	97	6.555	6.555	0.000	98	843058	9.43	
55 Carbon tetrachloride	117		6.769				ND	7
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.006	7.000	0.006	66	100519	10.4	
60 Benzene	78		7.031				ND	7
61 1,2-Dichloroethane	62		7.104				ND	
* 64 Fluorobenzene (IS)	96	7.445	7.439	0.006	99	2246080	10.0	
68 Trichloroethene	95	7.921	7.921	0.000	99	254912	4.23	
70 1,2-Dichloropropane	63		8.250				ND	
76 Dichlorobromomethane	83		8.598				ND	
81 cis-1,3-Dichloropropene	75		9.158				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2169605	9.93	
84 Toluene	92	9.561	9.561	0.000	97	5363	0.0367	
85 trans-1,3-Dichloropropene	75		9.829				ND	
107 1,1,2-Trichloroethane	97	10.122	10.036	0.086	36	67322	2.03	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.122	10.122	0.000	94	10339734	148.5	E
110 2-Hexanone	43		10.262				ND	
112 Chlorodibromomethane	129		10.414				ND	
113 Ethylene Dibromide	107		10.524				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	1685048	10.0	
116 Chlorobenzene	112		10.993				ND	
117 1,1,1,2-Tetrachloroethane	131		11.073				ND	
118 Ethylbenzene	91		11.079				ND	7
120 m-Xylene & p-Xylene	106		11.195				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.530				ND	7
122 Styrene	104		11.542				ND	
123 Bromoform	173		11.695				ND	7
$ 127 4-Bromofluorobenzene (Surr)	95	11.975	11.969	0.006	90	760630	9.50	
128 1,1,2,2-Tetrachloroethane	83		12.079				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.853	12.853	0.000	96	842002	10.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Reagents:

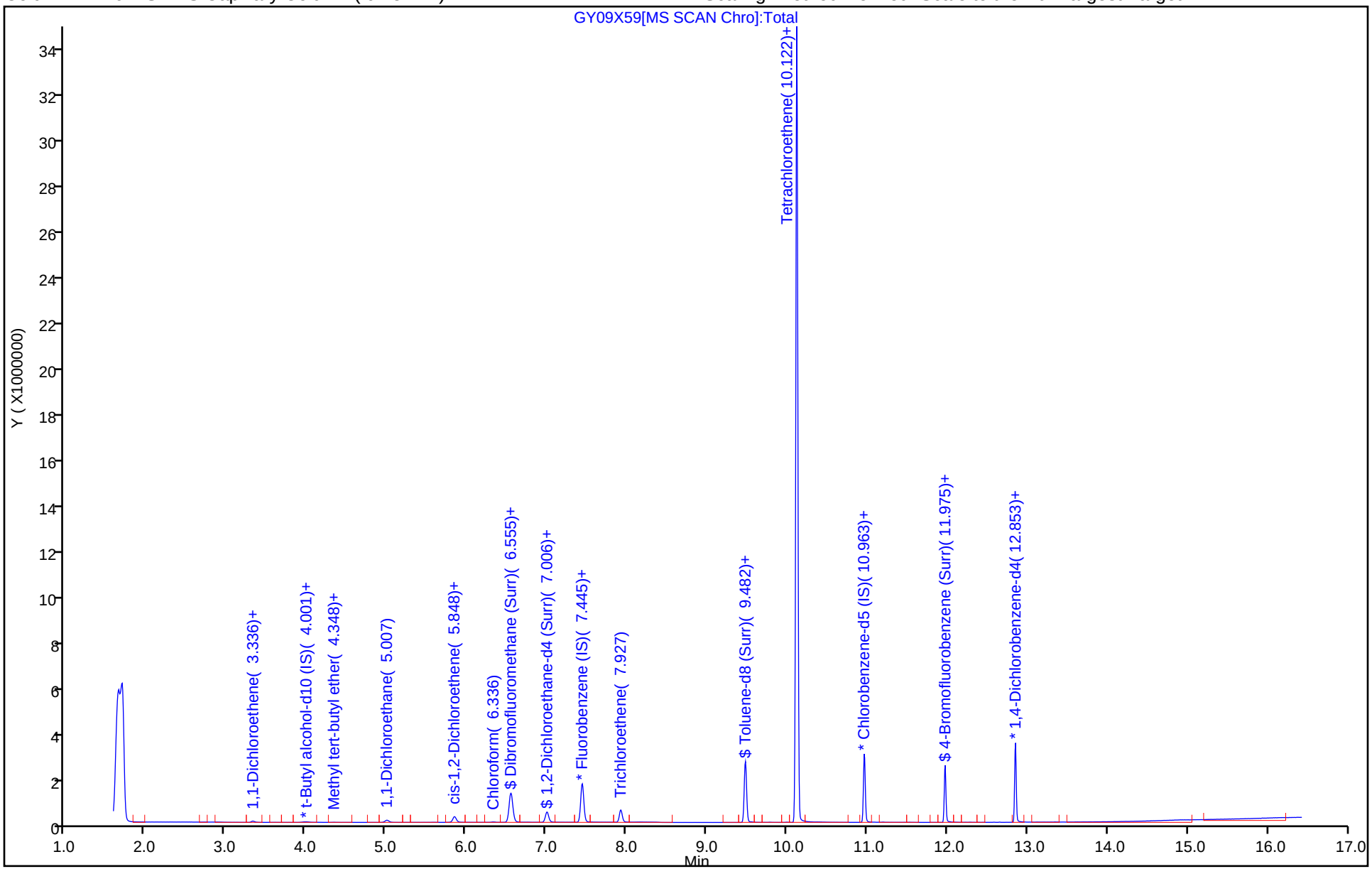
MSV_HP25_ISSS_00087 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 10-May-2024 09:26:58 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X59.D				
Injection Date:	10-May-2024 04:11:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	410-169938-A-13	Lab Sample ID:	410-169938-13	Worklist Smp#:	30
Client ID:	HD-QC1-0/1-1				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
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\20240509-113528.b\GY09X59.D
Lims ID: 410-169938-A-13
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 10-May-2024 04:11:30 ALS Bottle#: 29 Worklist Smp#: 30
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-030
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 03:37:34 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: CTX1659

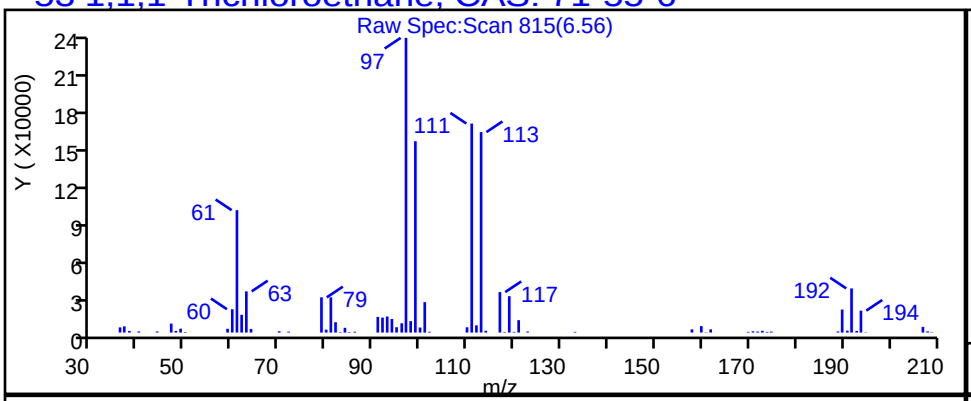
First Level Reviewer: UKAD Date: 10-May-2024 09:17:39

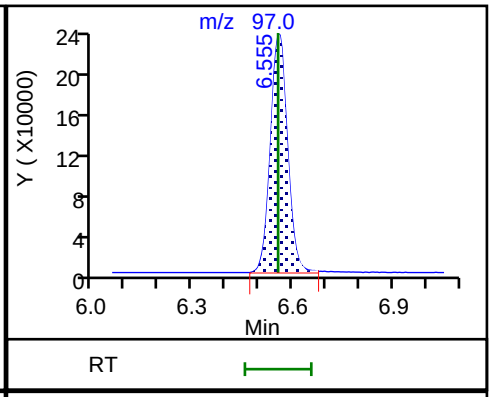
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.84	98.38
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	103.54
$ 83 Toluene-d8 (Surr)	10.0	9.93	99.29
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.50	95.01

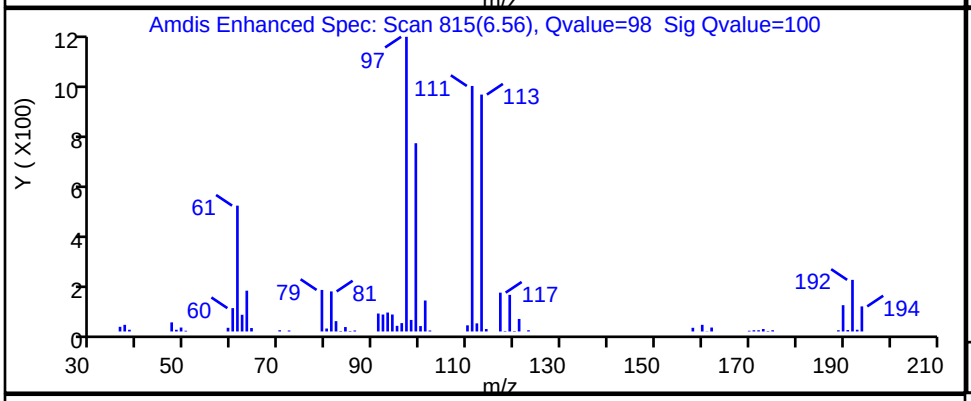
Eurofins Lancaster Laboratories Environment Testing, LLC

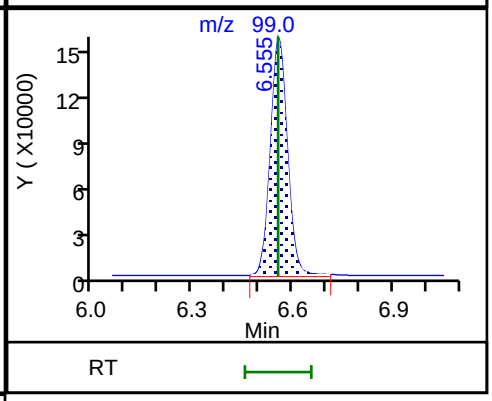
Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X59.D				
Injection Date:	10-May-2024 04:11:30	Instrument ID:	16334		
Lims ID:	410-169938-A-13	Lab Sample ID:	410-169938-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	29	Worklist Smp#:	30
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

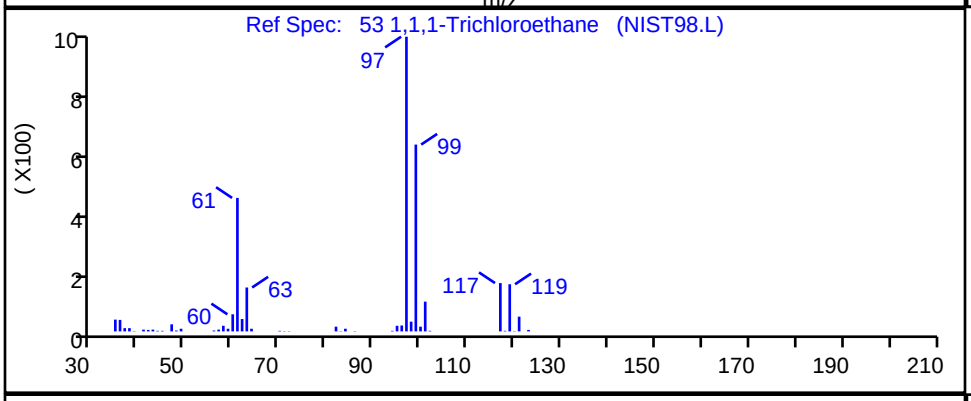
53 1,1,1-Trichloroethane, CAS: 71-55-6

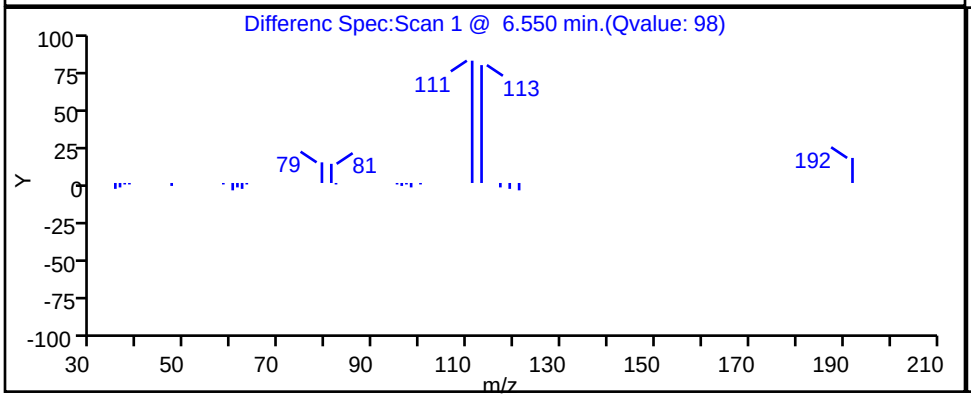


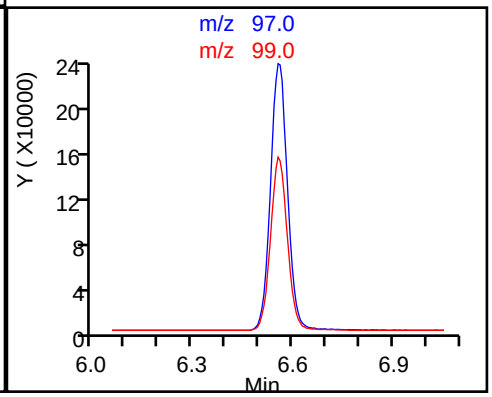








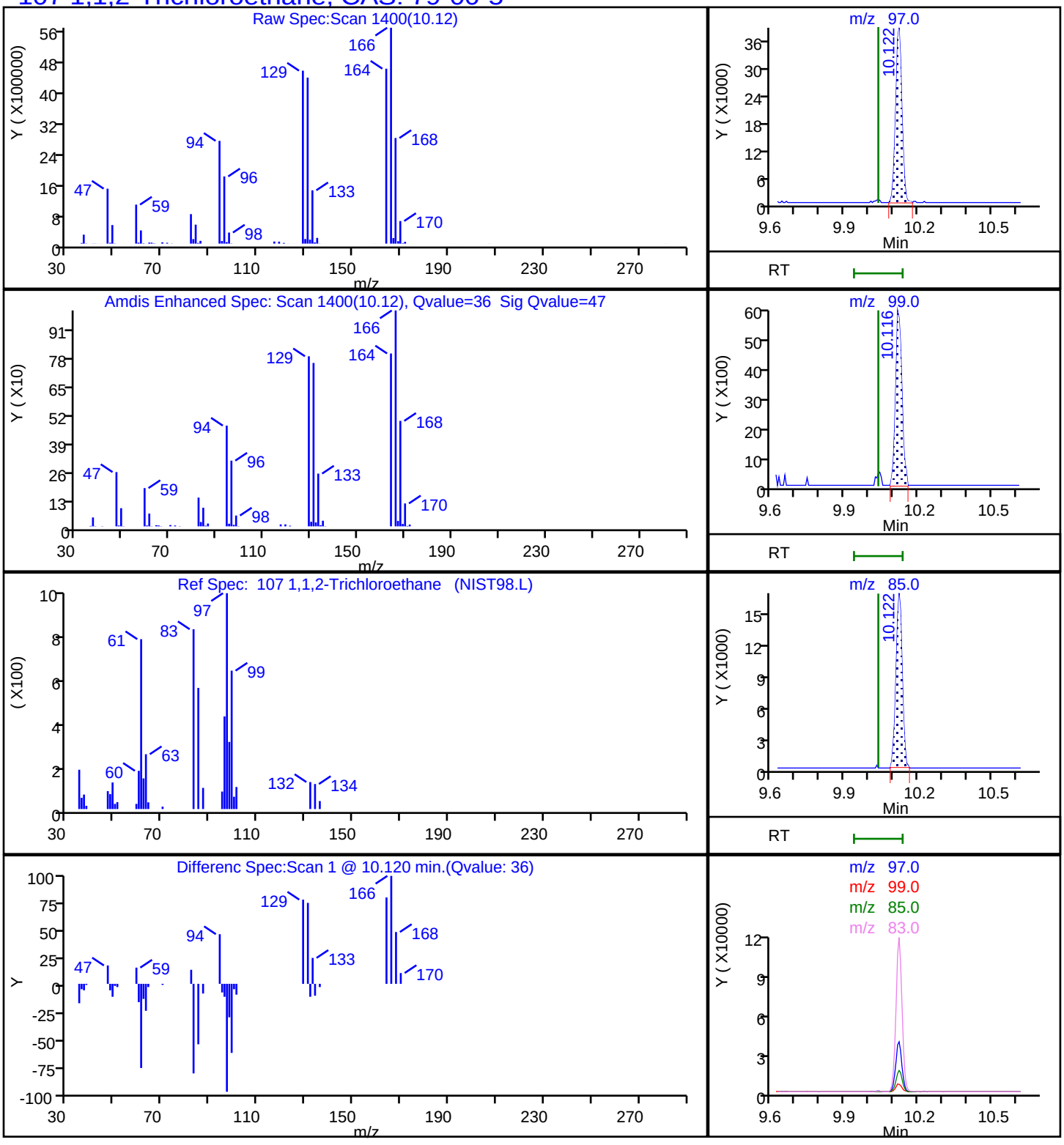




Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X59.D				
Injection Date:	10-May-2024 04:11:30	Instrument ID:	16334		
Lims ID:	410-169938-A-13	Lab Sample ID:	410-169938-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	29	Worklist Smp#:	30
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		

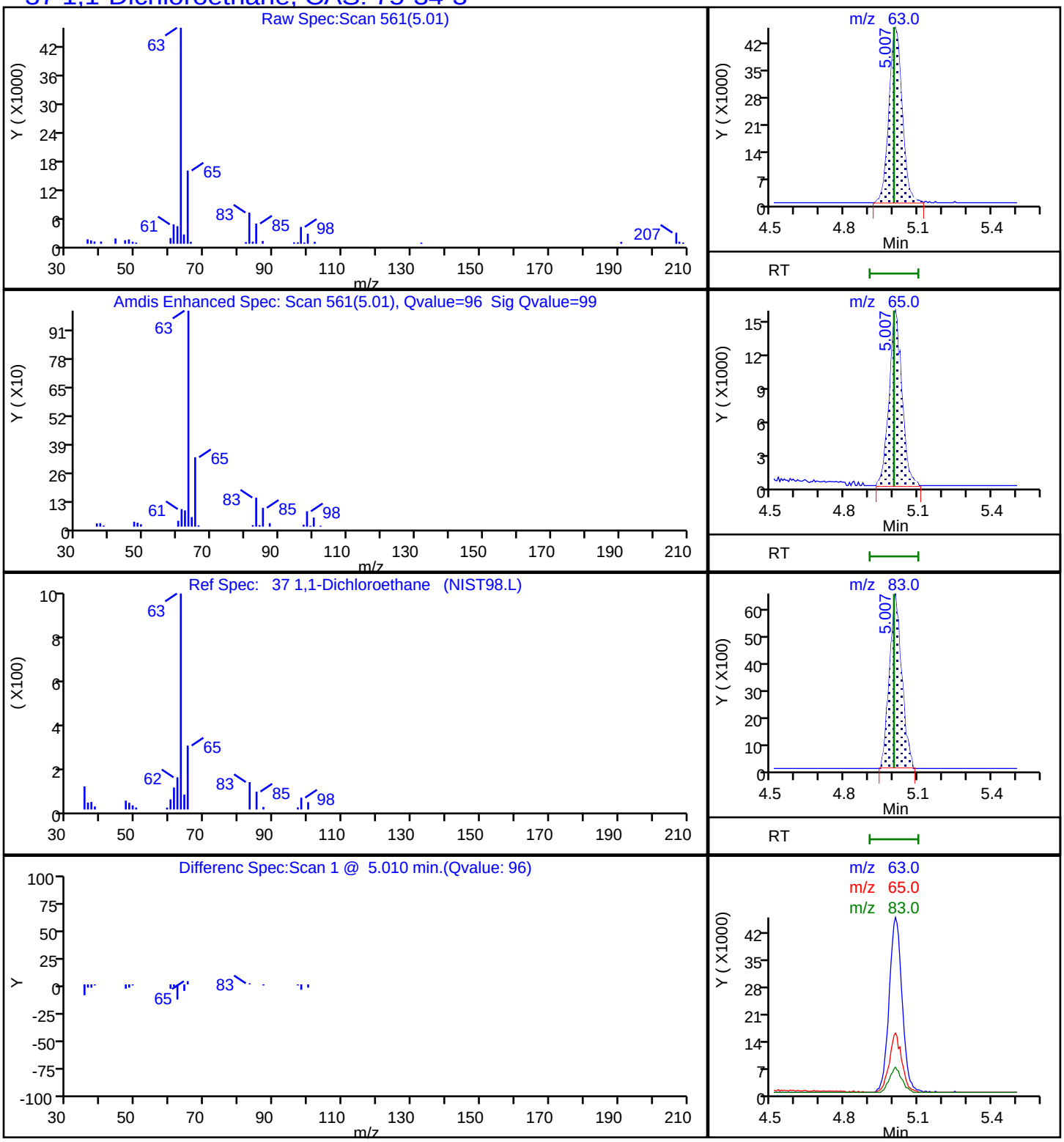
107 1,1,2-Trichloroethane, CAS: 79-00-5



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X59.D				
Injection Date:	10-May-2024 04:11:30	Instrument ID:	16334		
Lims ID:	410-169938-A-13	Lab Sample ID:	410-169938-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	29	Worklist Smp#:	30
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		

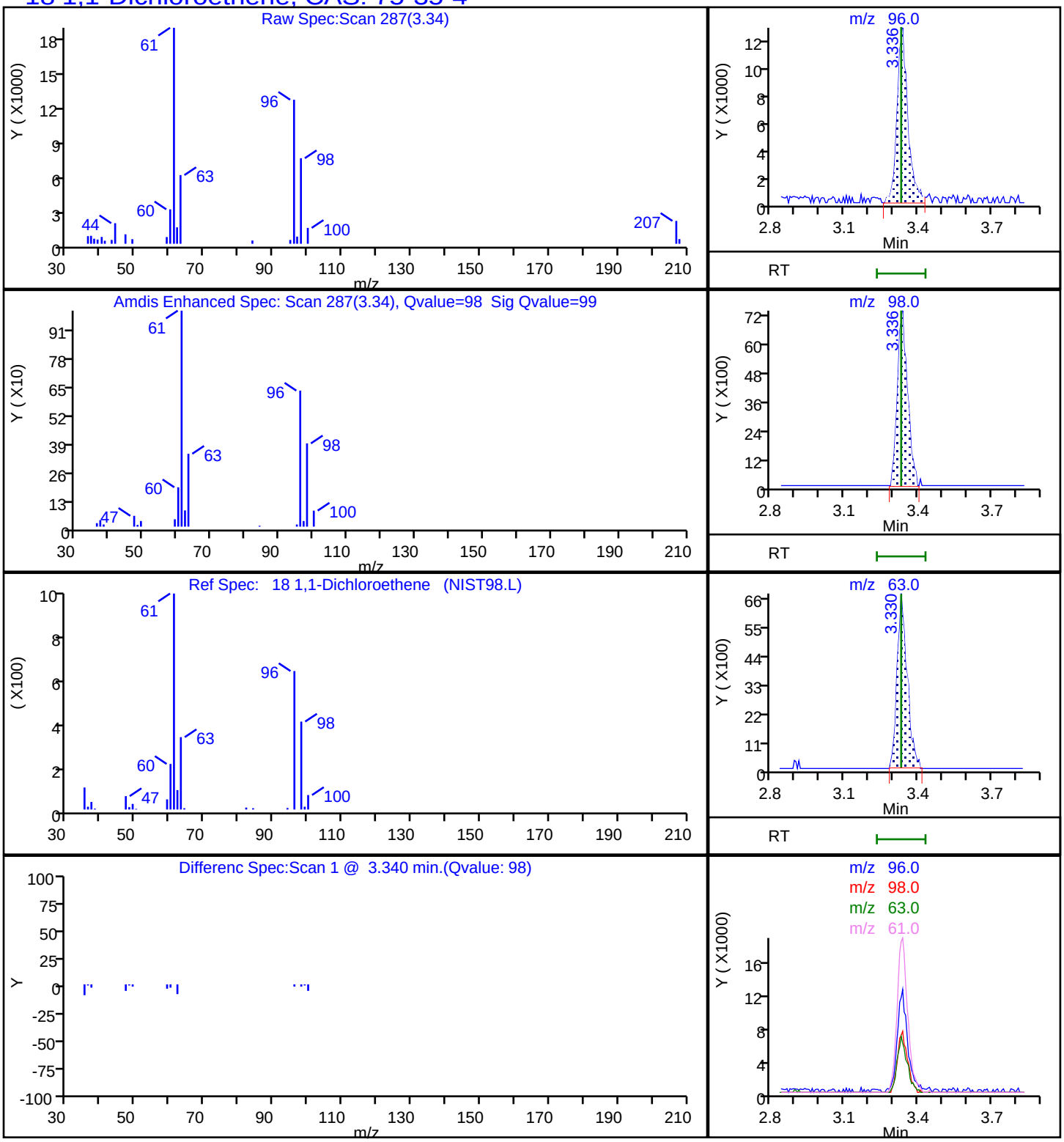
37 1,1-Dichloroethane, CAS: 75-34-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X59.D				
Injection Date:	10-May-2024 04:11:30	Instrument ID:	16334		
Lims ID:	410-169938-A-13	Lab Sample ID:	410-169938-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	29	Worklist Smp#:	30
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		

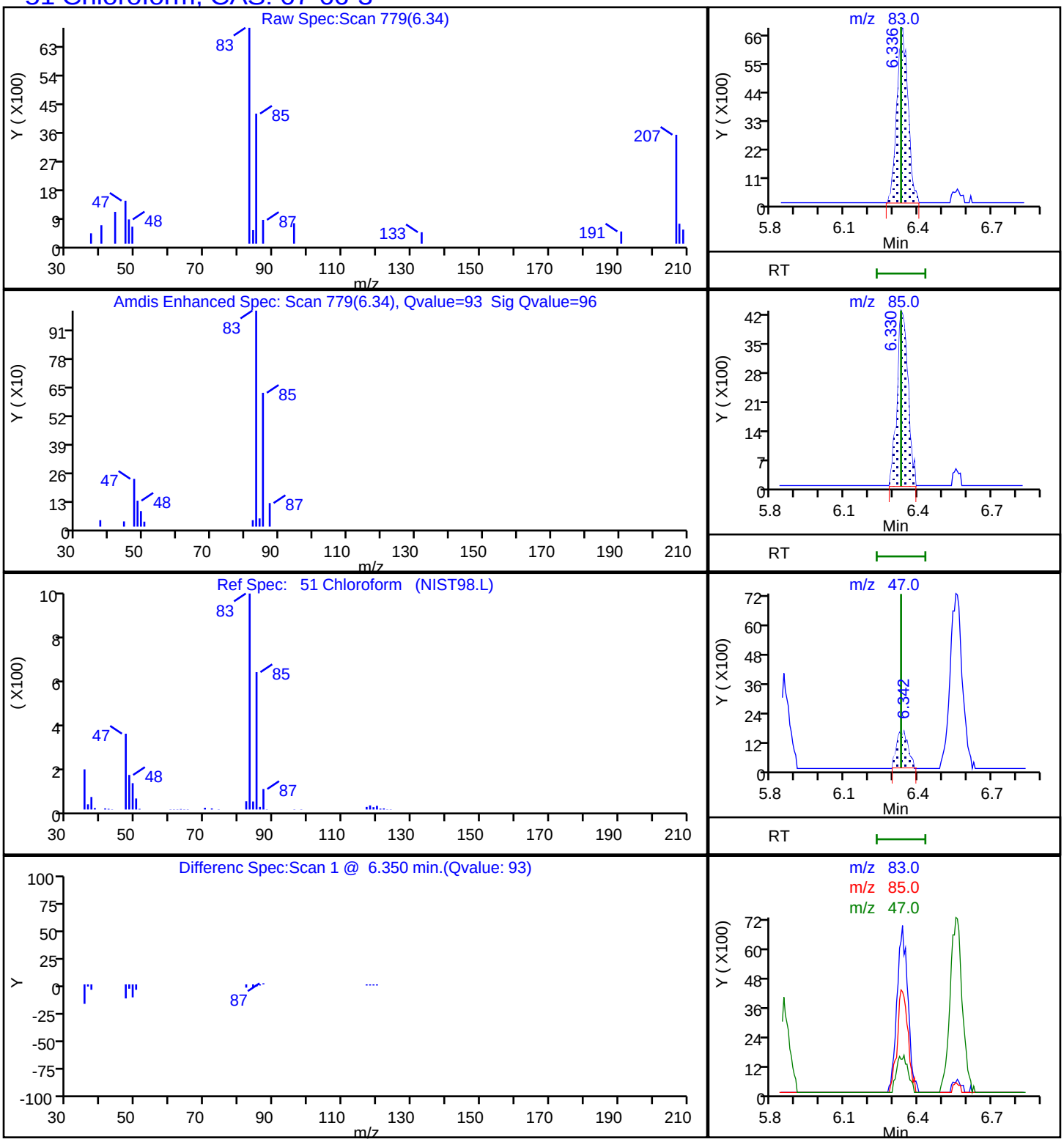
18 1,1-Dichloroethene, CAS: 75-35-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X59.D				
Injection Date:	10-May-2024 04:11:30	Instrument ID:	16334		
Lims ID:	410-169938-A-13	Lab Sample ID:	410-169938-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	29	Worklist Smp#:	30
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		

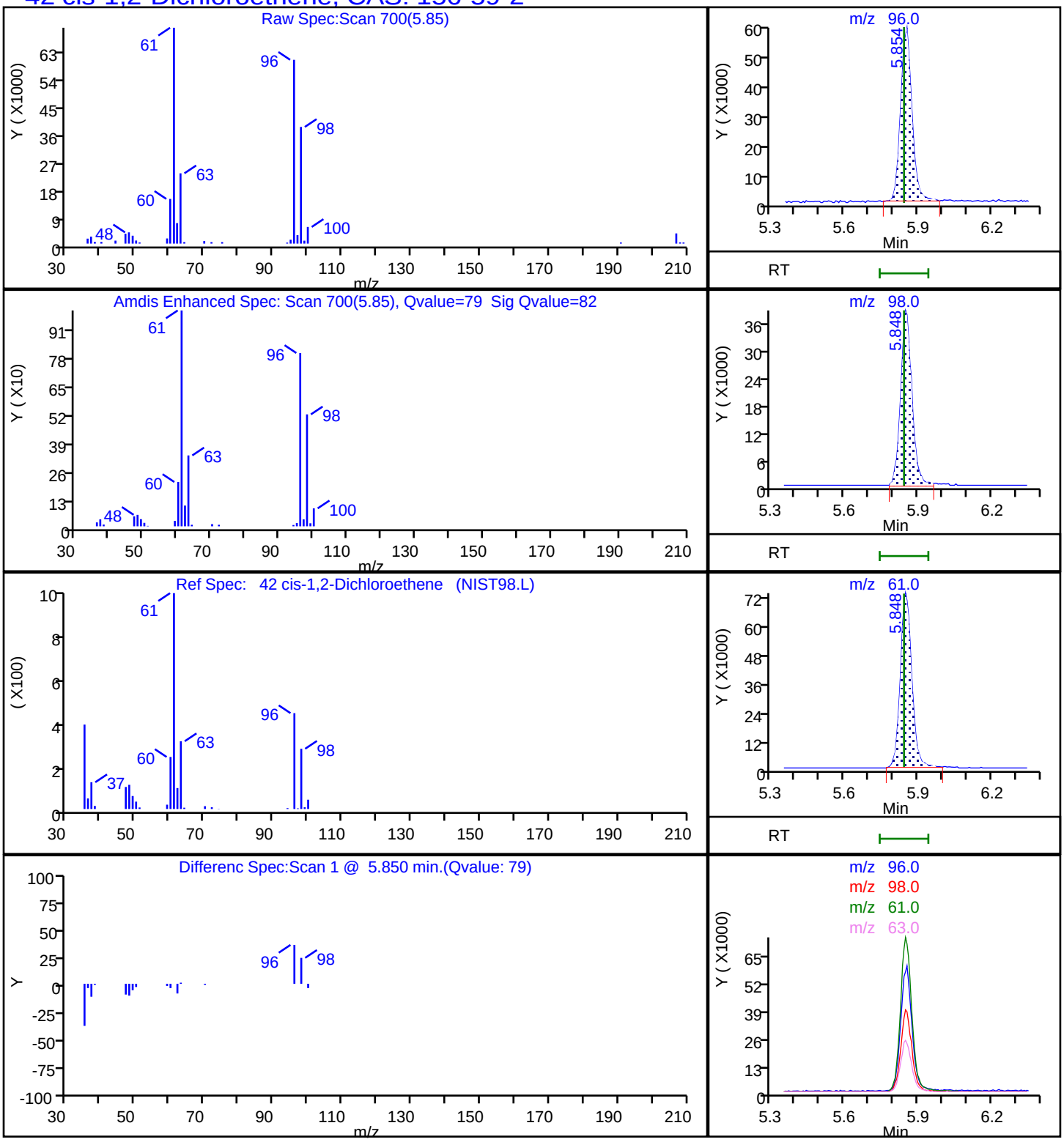
51 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X59.D				
Injection Date:	10-May-2024 04:11:30	Instrument ID:	16334		
Lims ID:	410-169938-A-13	Lab Sample ID:	410-169938-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	29	Worklist Smp#:	30
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		

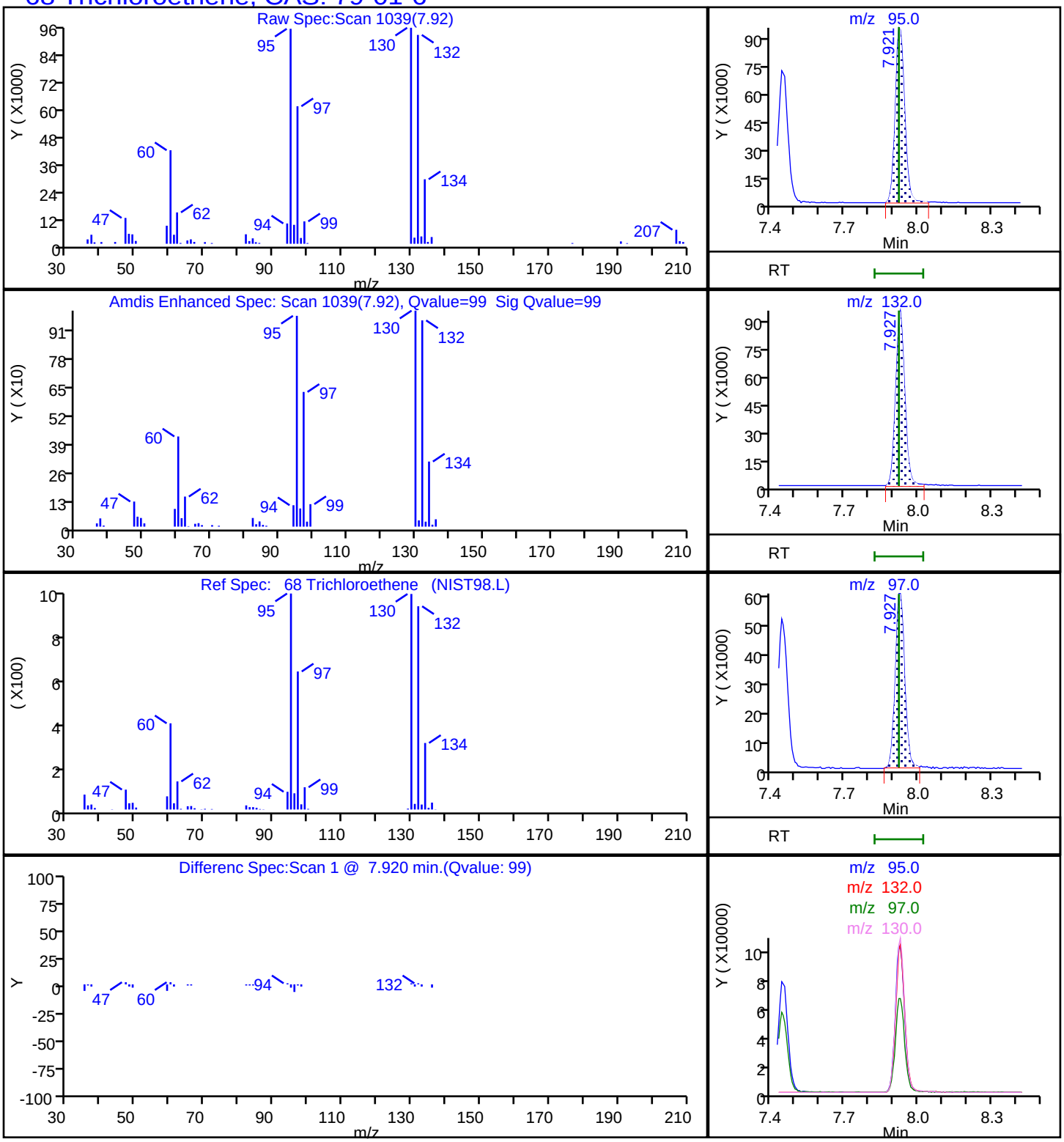
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X59.D				
Injection Date:	10-May-2024 04:11:30	Instrument ID:	16334		
Lims ID:	410-169938-A-13	Lab Sample ID:	410-169938-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	29	Worklist Smp#:	30
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



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID: HD-QC1-0/1-1 DL
Lab Sample ID: 410-169938-13 DL

Matrix: Water
Lab File ID: GY09X60.D

Analysis Method: 8260D
Date Collected: 04/29/2024 12:00

Sample wt/vol: 25(mL)
Date Analyzed: 05/10/2024 04:33

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.: 504341
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	100		5.0	2.0

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)	98		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\20240509-113528.b\GY09X60.D
Lims ID: 410-169938-B-13 DL
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 10-May-2024 04:33:30 ALS Bottle#: 30 Worklist Smp#: 31
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0113528-031
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 03:37:34 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: CTX1659

First Level Reviewer: UKAD Date: 10-May-2024 09:18:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.026				ND	7
6 Vinyl chloride	62		2.135				ND	7
9 Bromomethane	94		2.446				ND	7
10 Chloroethane	64		2.526				ND	
18 1,1-Dichloroethene	96	3.337	3.330	0.007	95	4275	0.0807	
19 Acetone	43	3.379	3.361	0.018	20	3061	0.4651	
24 Carbon disulfide	76		3.605				ND	7
29 Methylene Chloride	84		3.946				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.983	3.977	0.006	26	119404	50.0	
33 Methyl tert-butyl ether	73		4.336				ND	
34 trans-1,2-Dichloroethene	96		4.342				ND	
37 1,1-Dichloroethane	63	5.019	5.001	0.018	94	13713	0.1285	
41 2-Butanone (MEK)	43		5.824				ND	
42 cis-1,2-Dichloroethene	96	5.848	5.842	0.006	79	17665	0.2483	
49 Chlorobromomethane	128		6.171				ND	
51 Chloroform	83		6.330				ND	
$ 52 Dibromofluoromethane (Surr)	113	6.549	6.549	0.000	93	609423	9.78	
53 1,1,1-Trichloroethane	97	6.555	6.555	0.000	40	67815	0.6530	
55 Carbon tetrachloride	117		6.769				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.007	7.000	0.007	66	116331	10.3	
60 Benzene	78		7.031				ND	
61 1,2-Dichloroethane	62		7.104				ND	
* 64 Fluorobenzene (IS)	96	7.446	7.439	0.007	99	2609419	10.0	
68 Trichloroethene	95	7.927	7.921	0.006	96	21170	0.3022	
70 1,2-Dichloropropane	63		8.250				ND	
76 Dichlorobromomethane	83		8.598				ND	
81 cis-1,3-Dichloropropene	75		9.158				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2538066	10.2	
84 Toluene	92		9.561				ND	7
85 trans-1,3-Dichloropropene	75		9.829				ND	
107 1,1,2-Trichloroethane	97		10.036				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.122	10.122	0.000	97	830430	10.4	
110 2-Hexanone	43		10.262				ND	
112 Chlorodibromomethane	129		10.414				ND	
113 Ethylene Dibromide	107		10.524				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	1923678	10.0	
116 Chlorobenzene	112		10.993				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		11.530				ND	
122 Styrene	104		11.542				ND	
123 Bromoform	173		11.695				ND	7
$ 127 4-Bromofluorobenzene (Surr)	95	11.975	11.969	0.006	90	882679	9.66	
128 1,1,2,2-Tetrachloroethane	83		12.079				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.853	12.853	0.000	96	979195	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP25_ISSS_00087 Amount Added: 1.00 Units: uL Run Reagent

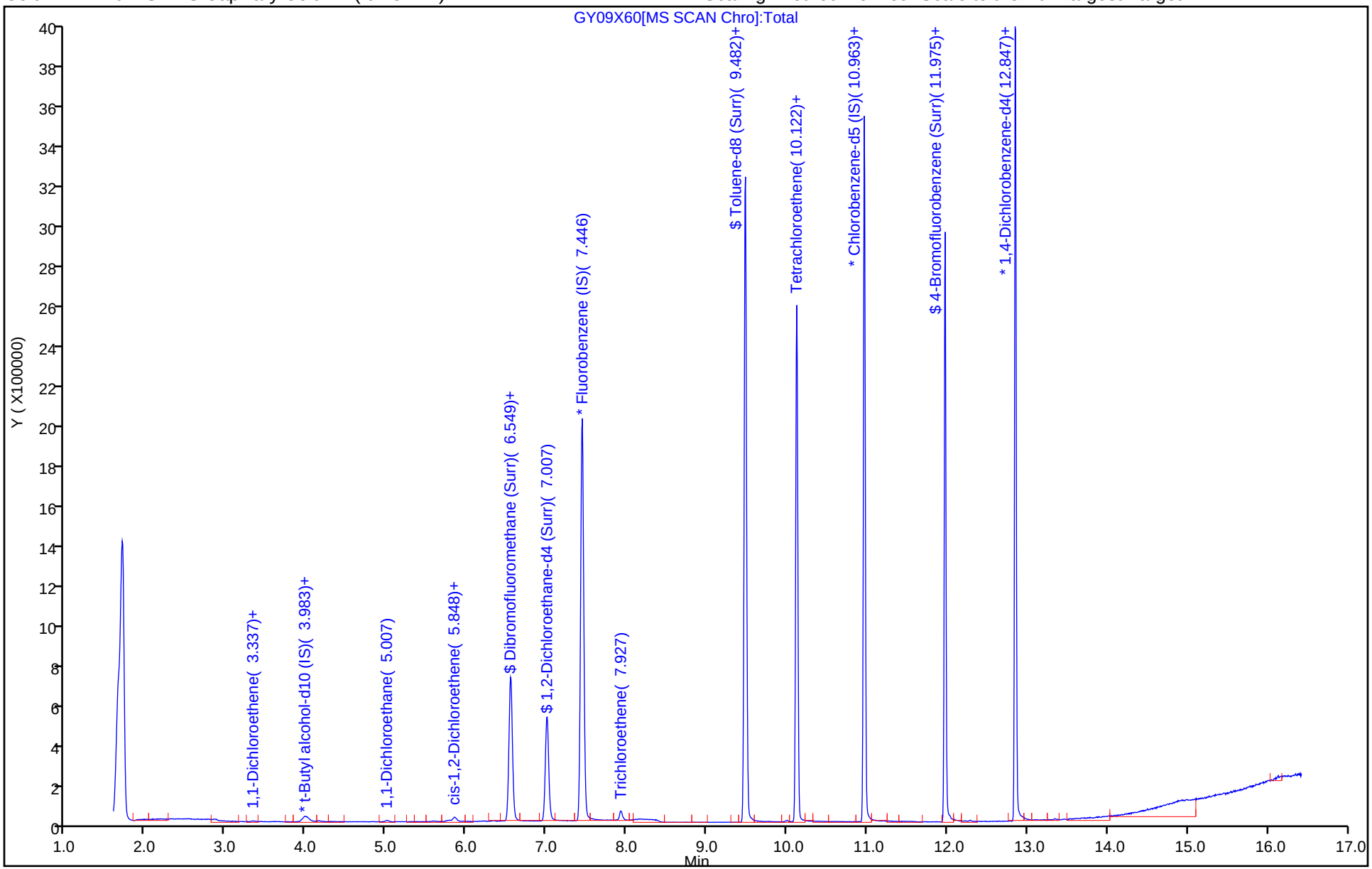
Report Date: 10-May-2024 09:27:00 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X60.D

Injection Date:	10-May-2024 04:33:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	410-169938-B-13 DL	Lab Sample ID:	410-169938-13	Worklist Smp#:	31
Client ID:	HD-QC1-0/1-1				
Purge Vol:	25.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	30
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\20240509-113528.b\GY09X60.D
Lims ID: 410-169938-B-13 DL
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 10-May-2024 04:33:30 ALS Bottle#: 30 Worklist Smp#: 31
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0113528-031
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 03:37:34 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: CTX1659

First Level Reviewer: UKAD Date: 10-May-2024 09:18:14

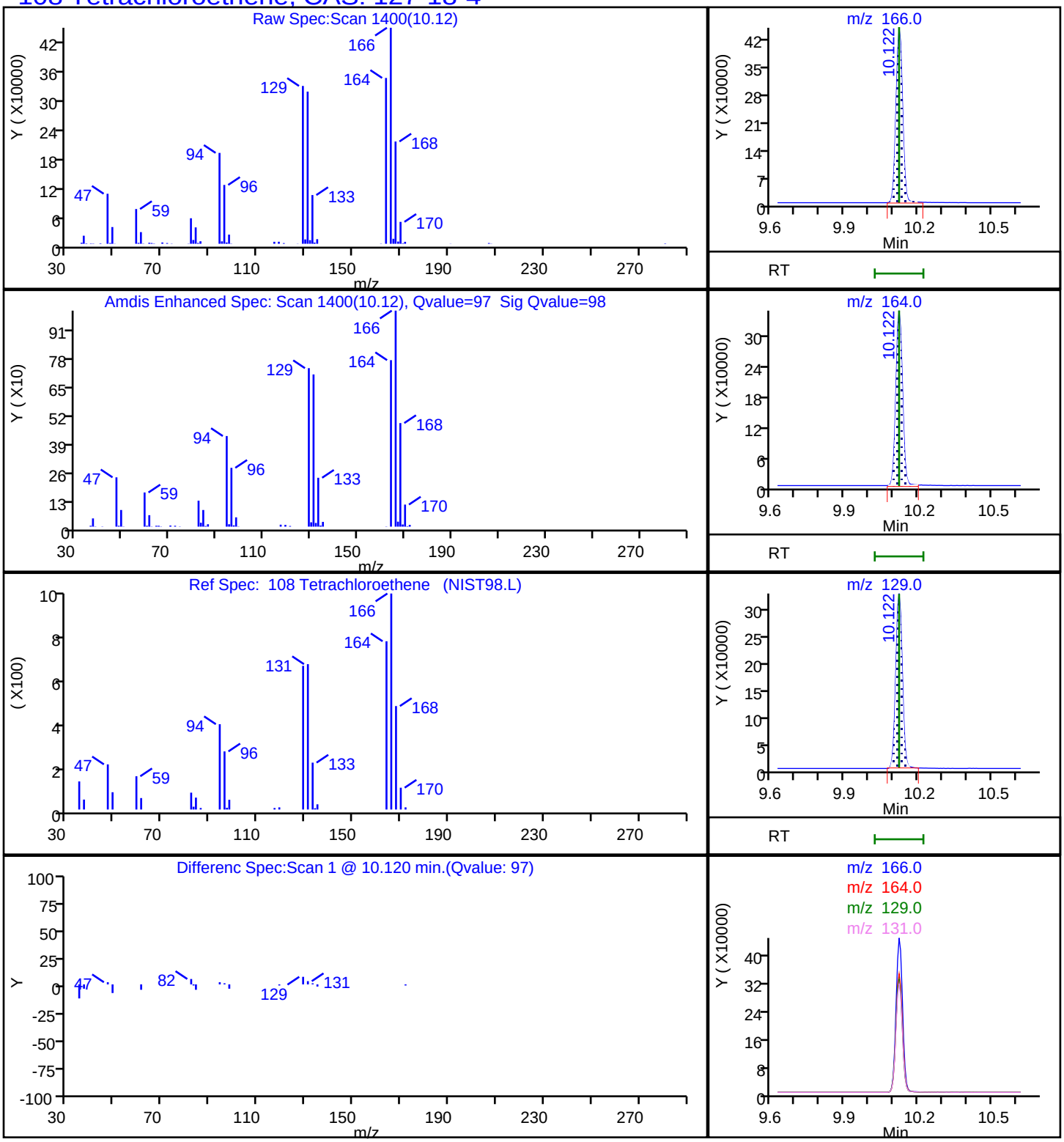
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.78	97.80
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	103.14
$ 83 Toluene-d8 (Surr)	10.0	10.2	101.75
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.66	96.58

Report Date: 10-May-2024 09:27:00 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X60.D				
Injection Date:	10-May-2024 04:33:30	Instrument ID:	16334		
Lims ID:	410-169938-B-13 DL	Lab Sample ID:	410-169938-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	30	Worklist Smp#:	31
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.: 410-169938-1

SDG No.:

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-169938-14

Matrix: Water
Lab File ID: GY09X36.D

Analysis Method: 8260D
Date Collected: 04/29/2024 00:00

Sample wt/vol: 25(mL)
Date Analyzed: 05/09/2024 19:40

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.: 504341
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	0.26	J	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.: 410-169938-1

SDG No.:

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-169938-14

Matrix: Water
Lab File ID: GY09X36.D

Analysis Method: 8260D
Date Collected: 04/29/2024 00:00

Sample wt/vol: 25(mL)
Date Analyzed: 05/09/2024 19:40

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.: 504341
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)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		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\20240509-113528.b\GY09X36.D
Lims ID: 410-169938-A-14
Client ID: HD-QC1-0/1-2
Sample Type: Client
Inject. Date: 09-May-2024 19:40:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-007
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 09:34:49 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: CTX1619

First Level Reviewer: N9NA Date: 10-May-2024 09:34:49

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	5 Chloromethane	50		2.026				ND	7
	6 Vinyl chloride	62		2.135				ND	
	9 Bromomethane	94		2.446				ND	
	10 Chloroethane	64		2.526				ND	
	18 1,1-Dichloroethene	96		3.330				ND	7
	19 Acetone	43		3.361				ND	U
	24 Carbon disulfide	76		3.605				ND	7
	29 Methylene Chloride	84	3.964	3.946	0.018	91	16003	0.2639	
*	30 t-Butyl alcohol-d10 (IS)	65	3.995	3.977	0.018	99	129079	50.0	
	33 Methyl tert-butyl ether	73		4.336				ND	
	34 trans-1,2-Dichloroethene	96		4.342				ND	
	37 1,1-Dichloroethane	63		5.001				ND	
	41 2-Butanone (MEK)	43		5.824				ND	
	42 cis-1,2-Dichloroethene	96		5.842				ND	
	49 Chlorobromomethane	128		6.171				ND	
	51 Chloroform	83		6.330				ND	
$	52 Dibromofluoromethane (Surr)	113	6.555	6.549	0.006	93	631032	9.64	
	53 1,1,1-Trichloroethane	97		6.555				ND	
	55 Carbon tetrachloride	117		6.769				ND	
$	59 1,2-Dichloroethane-d4 (Surr)	102	7.013	7.000	0.013	66	121011	10.2	
	60 Benzene	78		7.031				ND	7
	61 1,2-Dichloroethane	62		7.104				ND	
*	64 Fluorobenzene (IS)	96	7.445	7.439	0.006	99	2740955	10.0	
	68 Trichloroethene	95		7.921				ND	
	70 1,2-Dichloropropane	63		8.250				ND	
	76 Dichlorobromomethane	83		8.598				ND	
	81 cis-1,3-Dichloropropene	75		9.158				ND	
	82 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
$	83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2644250	10.2	
	84 Toluene	92		9.561				ND	7
	85 trans-1,3-Dichloropropene	75		9.829				ND	
	107 1,1,2-Trichloroethane	97		10.036				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166		10.122				ND	
110 2-Hexanone	43		10.262				ND	
112 Chlorodibromomethane	129		10.414				ND	
113 Ethylene Dibromide	107		10.524				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	2003283	10.0	
116 Chlorobenzene	112		10.993				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		11.530				ND	
122 Styrene	104		11.542				ND	
123 Bromoform	173		11.695				ND	7
$ 127 4-Bromofluorobenzene (Surr)	95	11.975	11.969	0.006	91	923006	9.70	
128 1,1,2,2-Tetrachloroethane	83		12.079				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.853	12.853	0.000	96	1033253	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

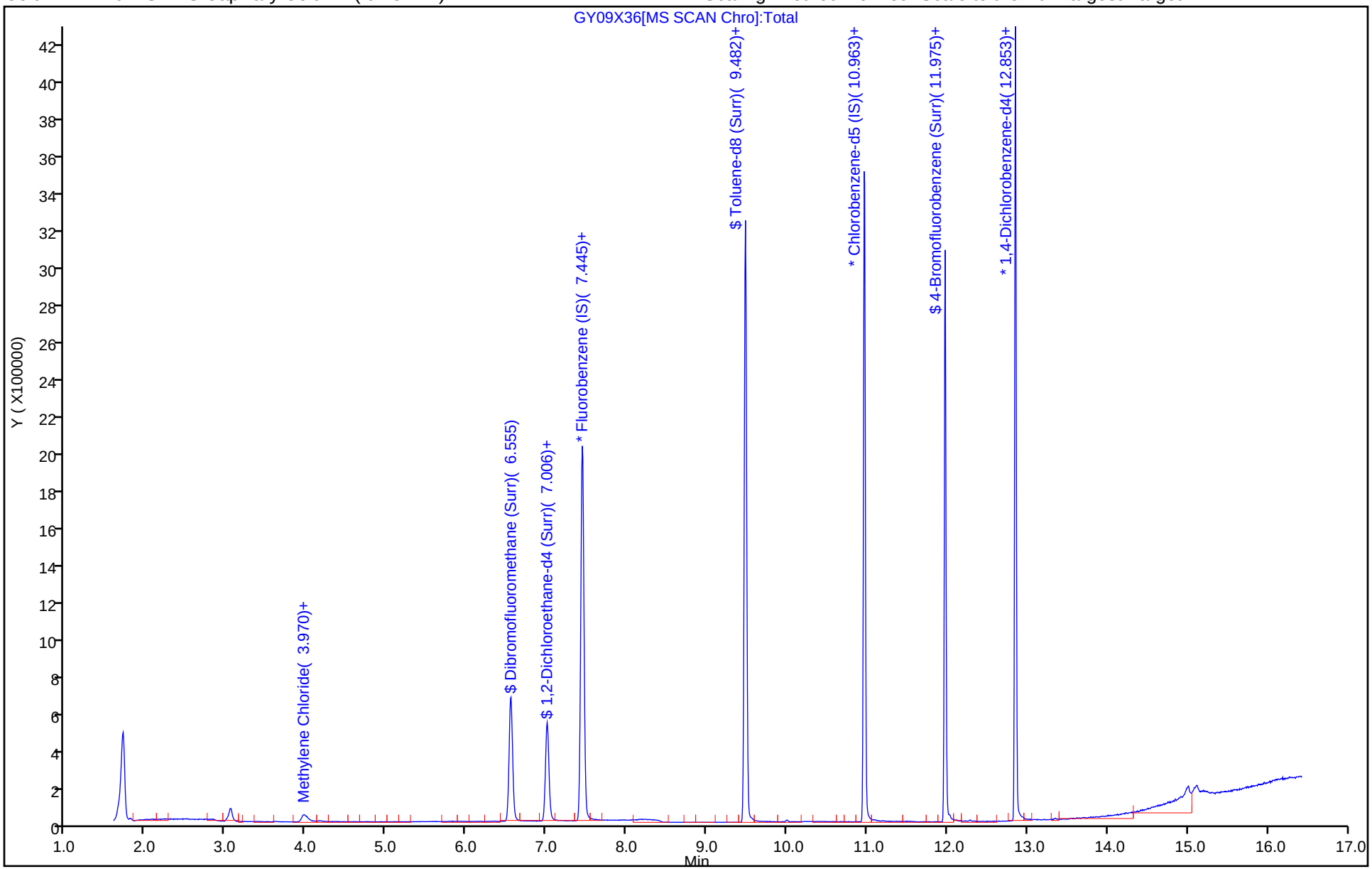
MSV_HP25_ISSS_00087 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 10-May-2024 09:34:49 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X36.D				
Injection Date:	09-May-2024 19:40:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	410-169938-A-14	Lab Sample ID:	410-169938-14	Worklist Smp#:	7
Client ID:	HD-QC1-0/1-2				
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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X36.D
Lims ID: 410-169938-A-14
Client ID: HD-QC1-0/1-2
Sample Type: Client
Inject. Date: 09-May-2024 19:40:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-007
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 09:34:49 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: CTX1619

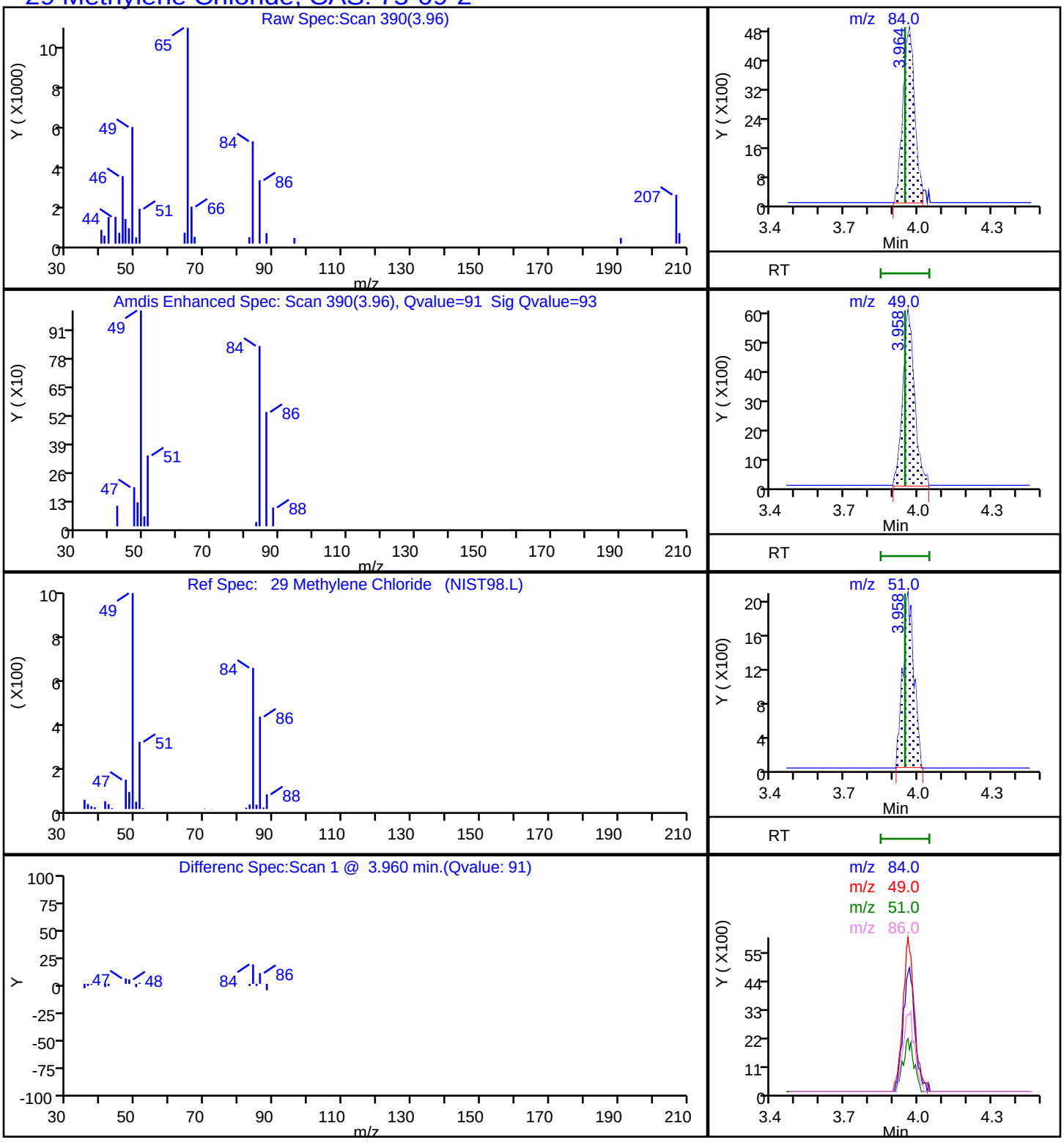
First Level Reviewer: N9NA Date: 10-May-2024 09:34:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.64	96.41
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	102.14
$ 83 Toluene-d8 (Surr)	10.0	10.2	101.79
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.70	96.98

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X36.D				
Injection Date:	09-May-2024 19:40:30	Instrument ID:	16334		
Lims ID:	410-169938-A-14	Lab Sample ID:	410-169938-14		
Client ID:	HD-QC1-0/1-2				
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		

29 Methylene Chloride, CAS: 75-09-2



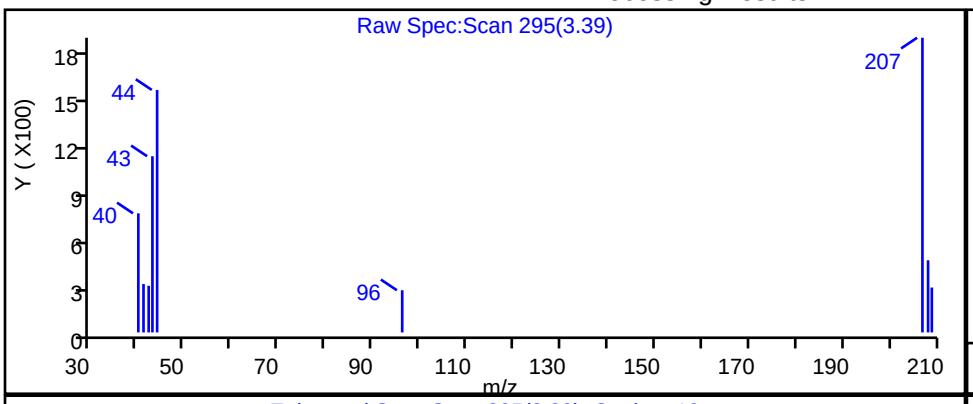
User Disabled Compound Report

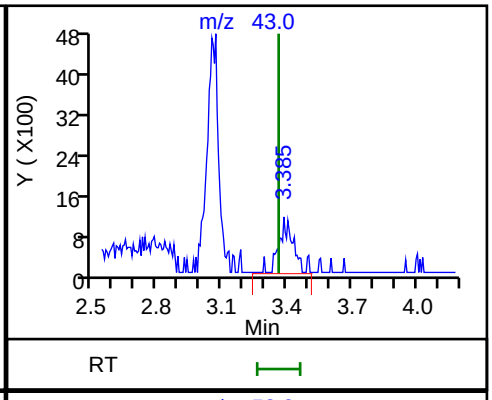
Eurofins Lancaster Laboratories Environment Testing, LLC

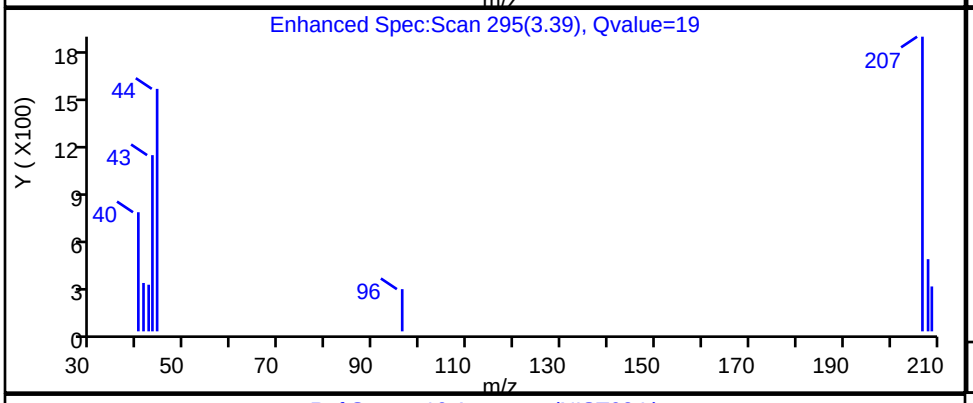
Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X36.D				
Injection Date:	09-May-2024 19:40:30	Instrument ID:	16334		
Lims ID:	410-169938-A-14	Lab Sample ID:	410-169938-14		
Client ID:	HD-QC1-0/1-2				
Operator ID:	gaw91131	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

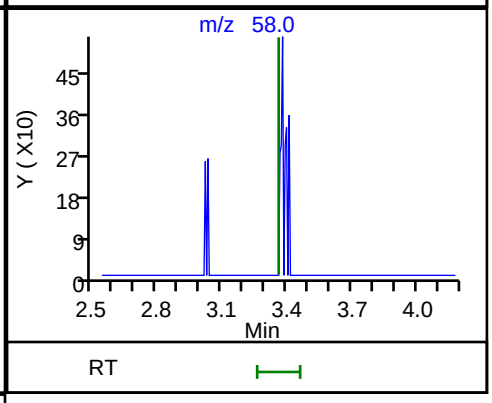
19 Acetone, CAS: 67-64-1

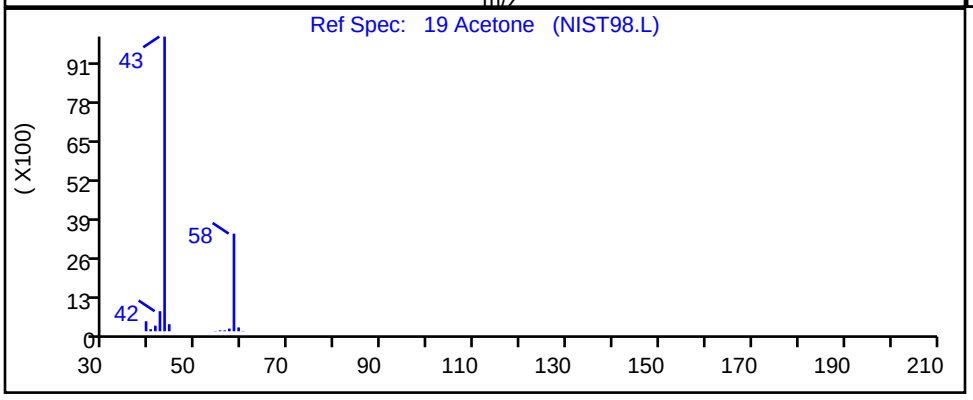
Processing Results











RT	Mass	Response	Amount
3.39	43.00	4942	0.694595
3.36	58.00	0	

Reviewer: N9NA, 10-May-2024 09:34:36 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.: 410-169938-1 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.: 410-169938-1 | 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.: 410-169938-1 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

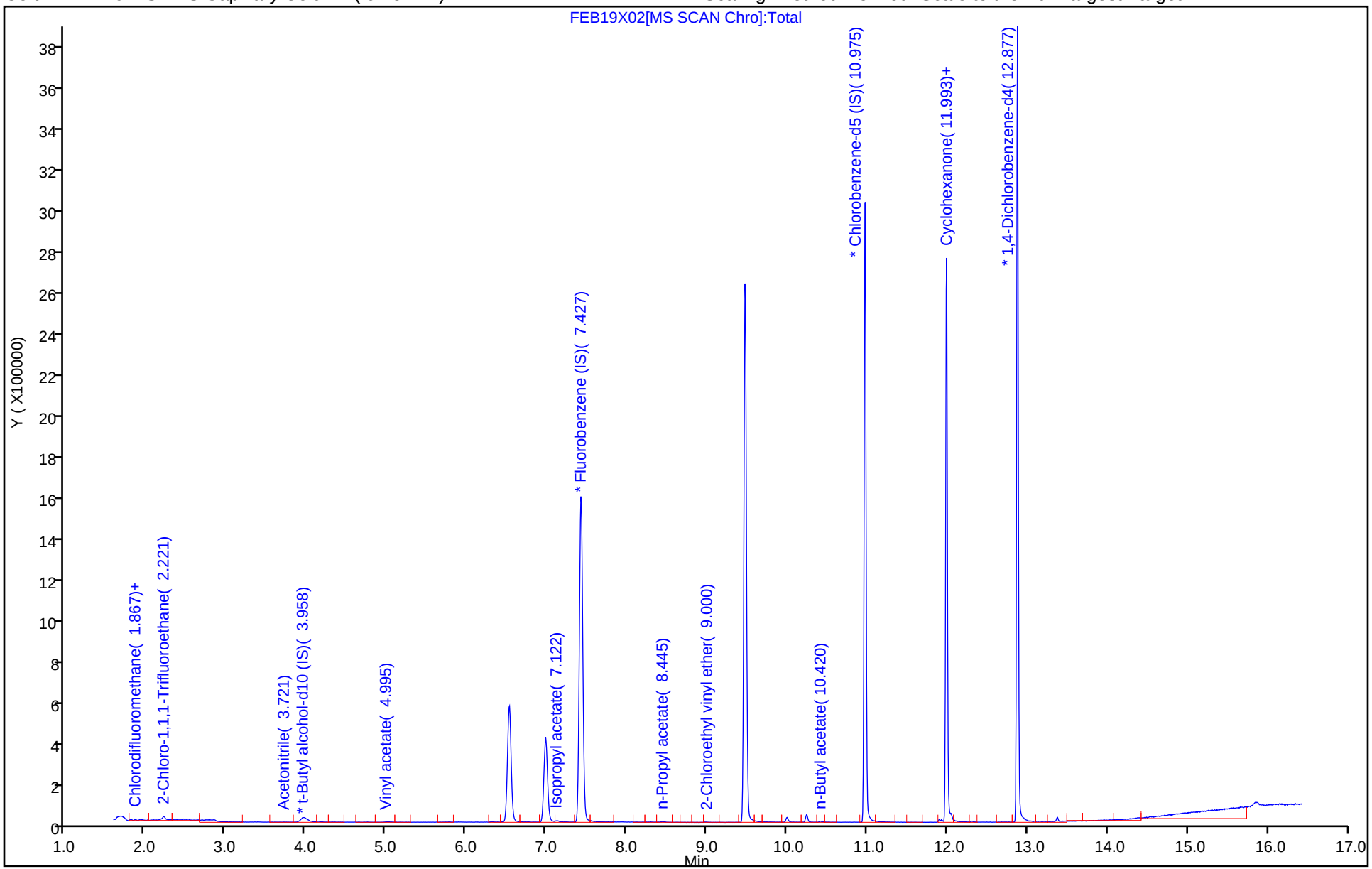
Report Date: 26-Feb-2024 13:07:02 Chrom Revision: 2.3 23-Feb-2024 16:51:14

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

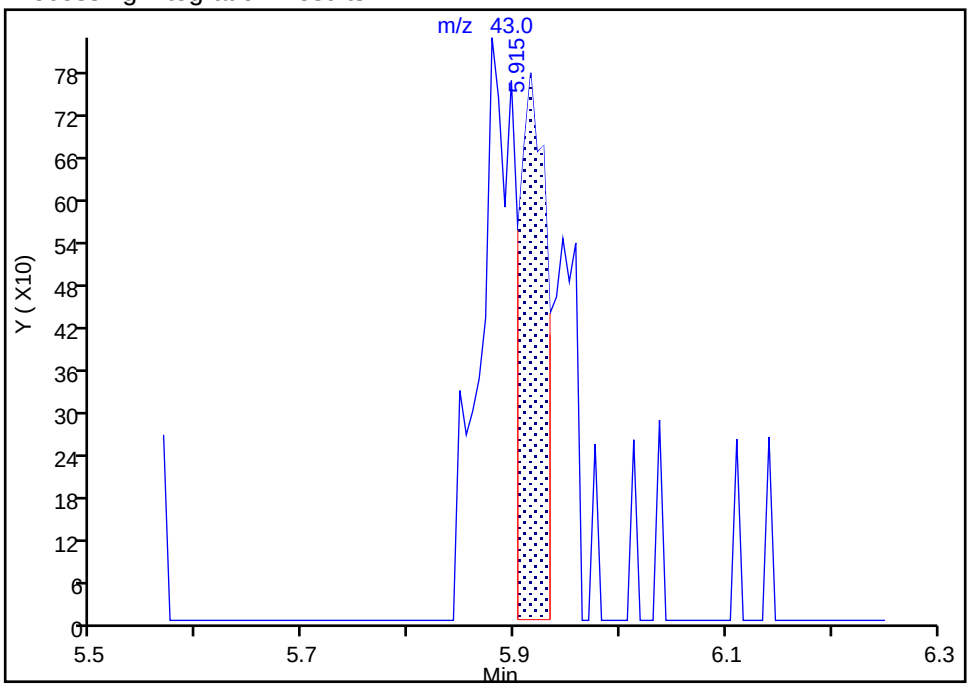
Data File:	\\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X02.D				
Injection Date:	19-Feb-2024 23:00:30	Instrument ID:	16334		
Lims ID:	IC std1sm				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

44 Ethyl acetate, CAS: 141-78-6

Signal: 1

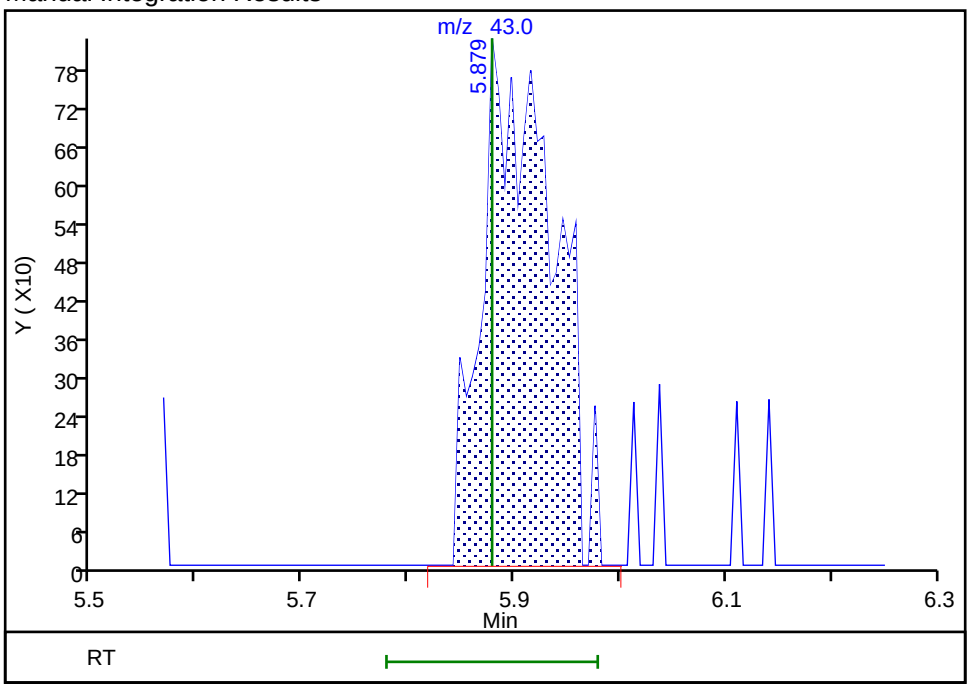
Processing Integration Results

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

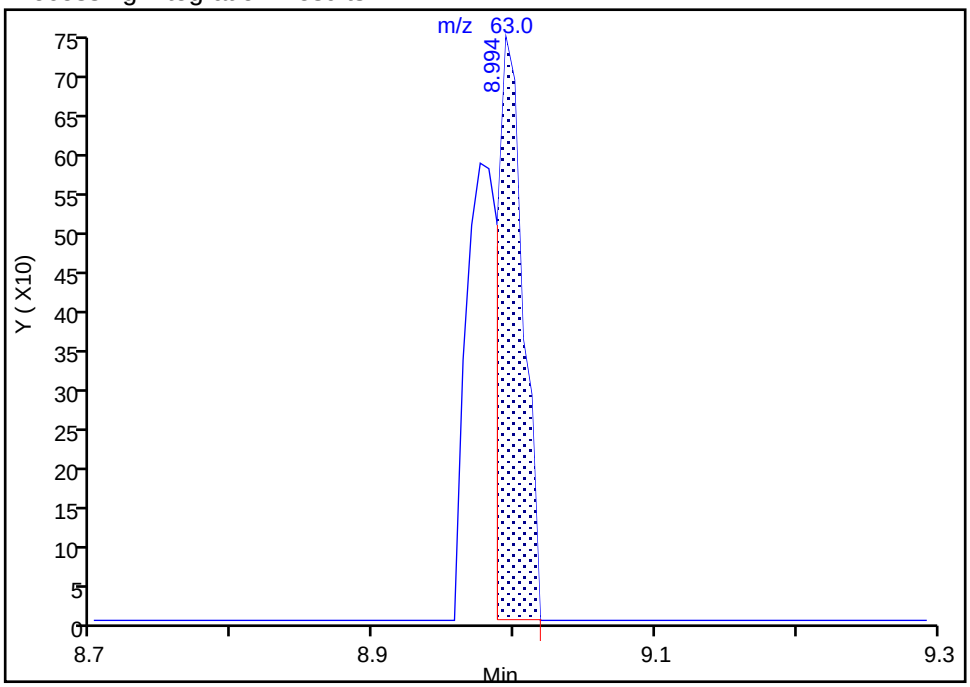
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X02.D
Injection Date: 19-Feb-2024 23:00:30 Instrument ID: 16334
Lims ID: IC std1sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

78 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

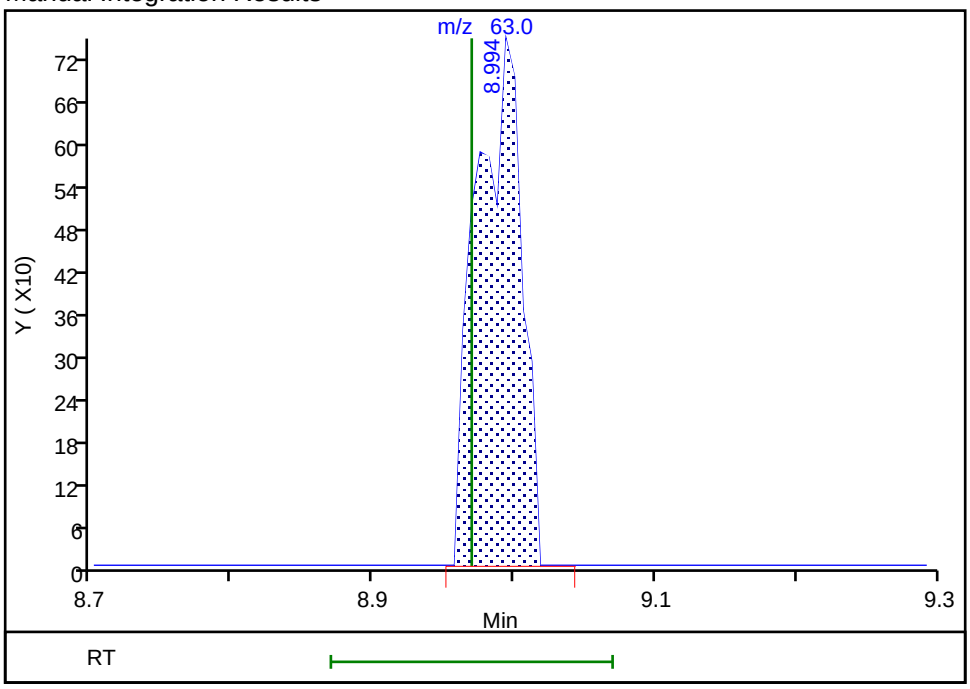
Processing Integration Results

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

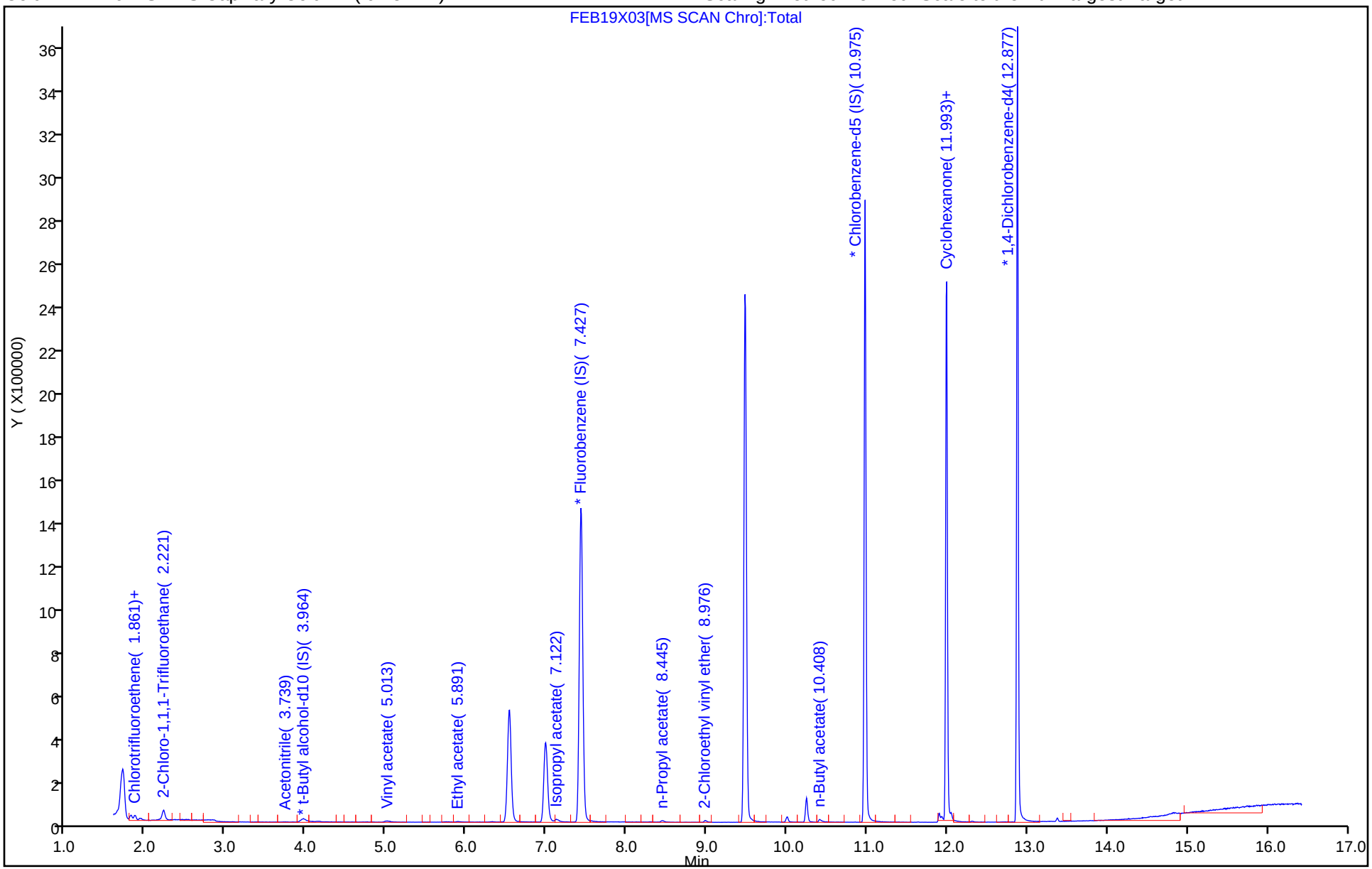
Report Date: 26-Feb-2024 13:07:06 Chrom Revision: 2.3 23-Feb-2024 16:51:14

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

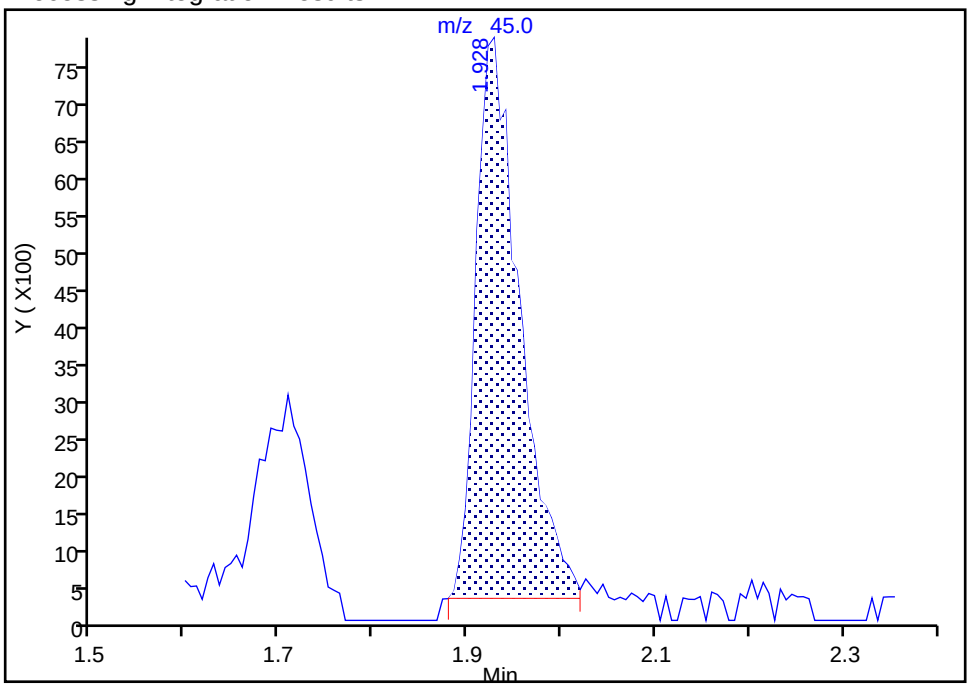
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X03.D
Injection Date: 19-Feb-2024 23:22:30 Instrument ID: 16334
Lims ID: IC std2sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

4 Dimethyl ether, CAS: 115-10-6

Signal: 1

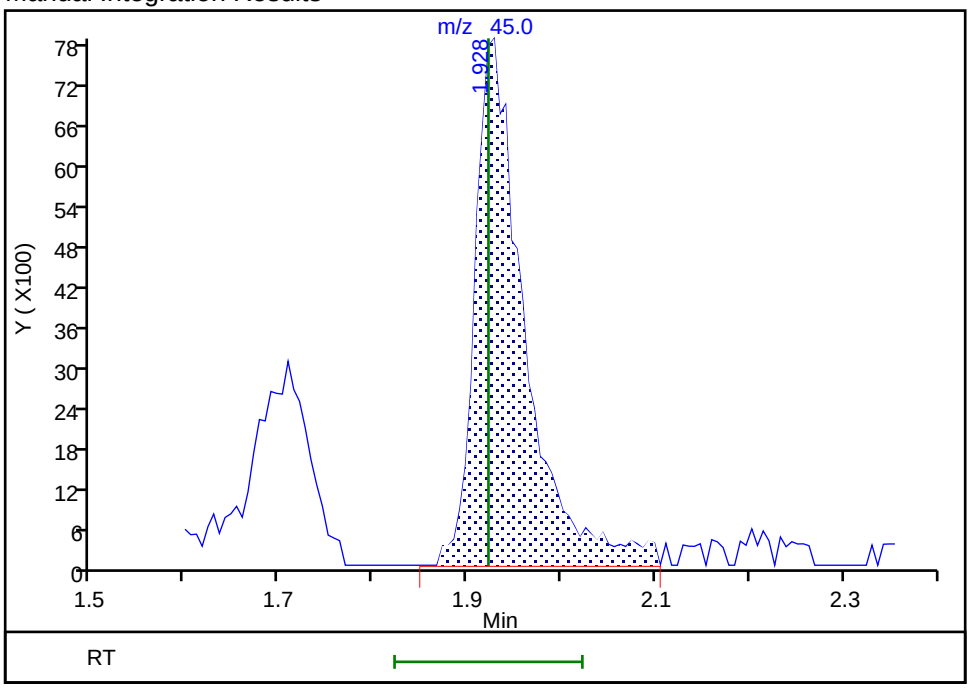
Processing Integration Results

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

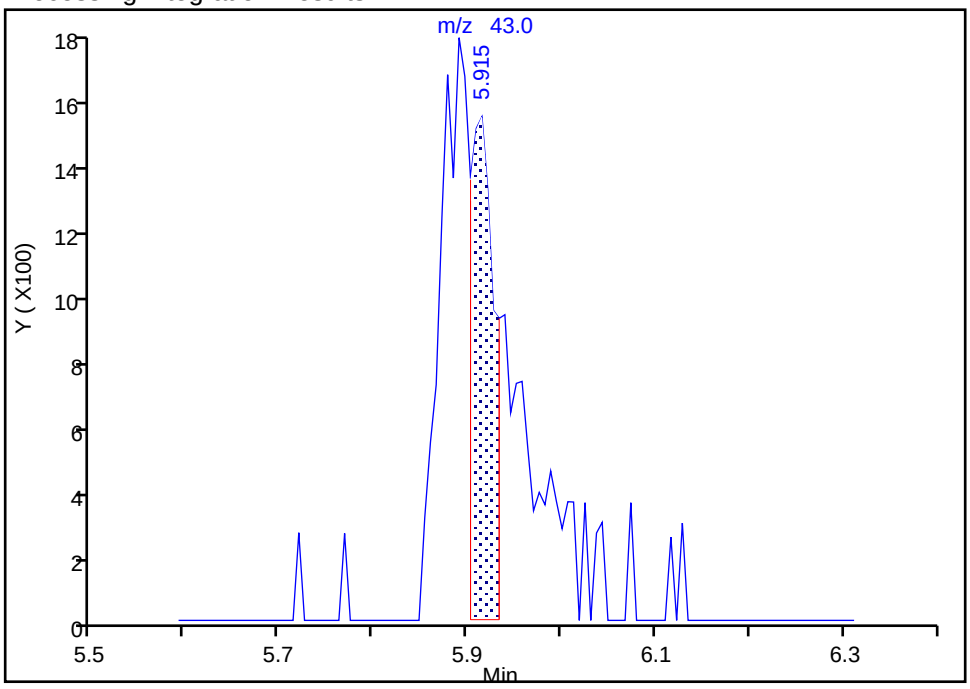
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X03.D
Injection Date: 19-Feb-2024 23:22:30 Instrument ID: 16334
Lims ID: IC std2sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

44 Ethyl acetate, CAS: 141-78-6

Signal: 1

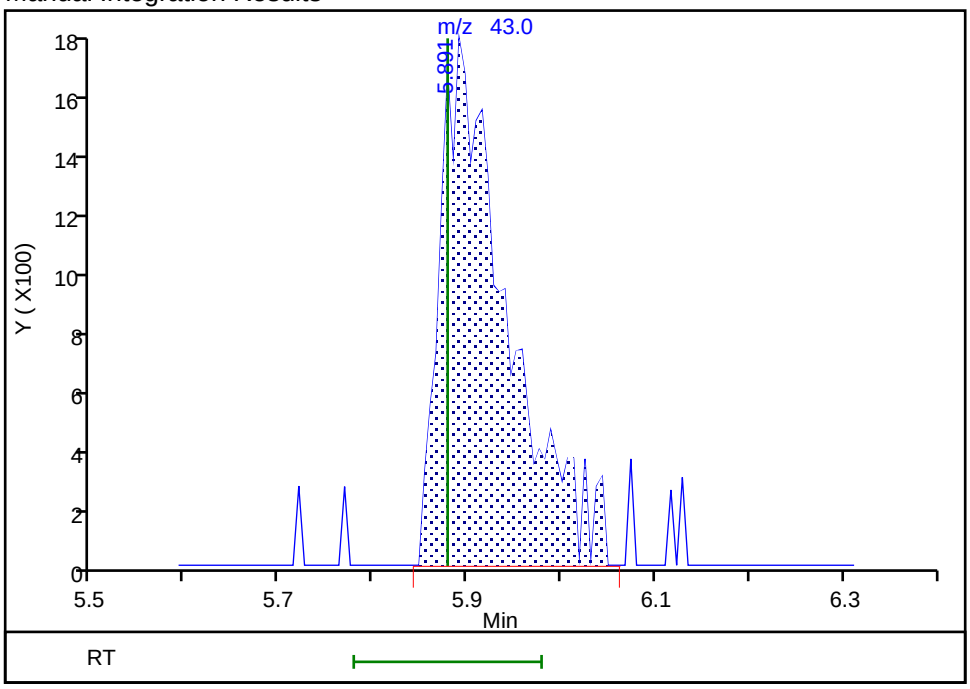
Processing Integration Results

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

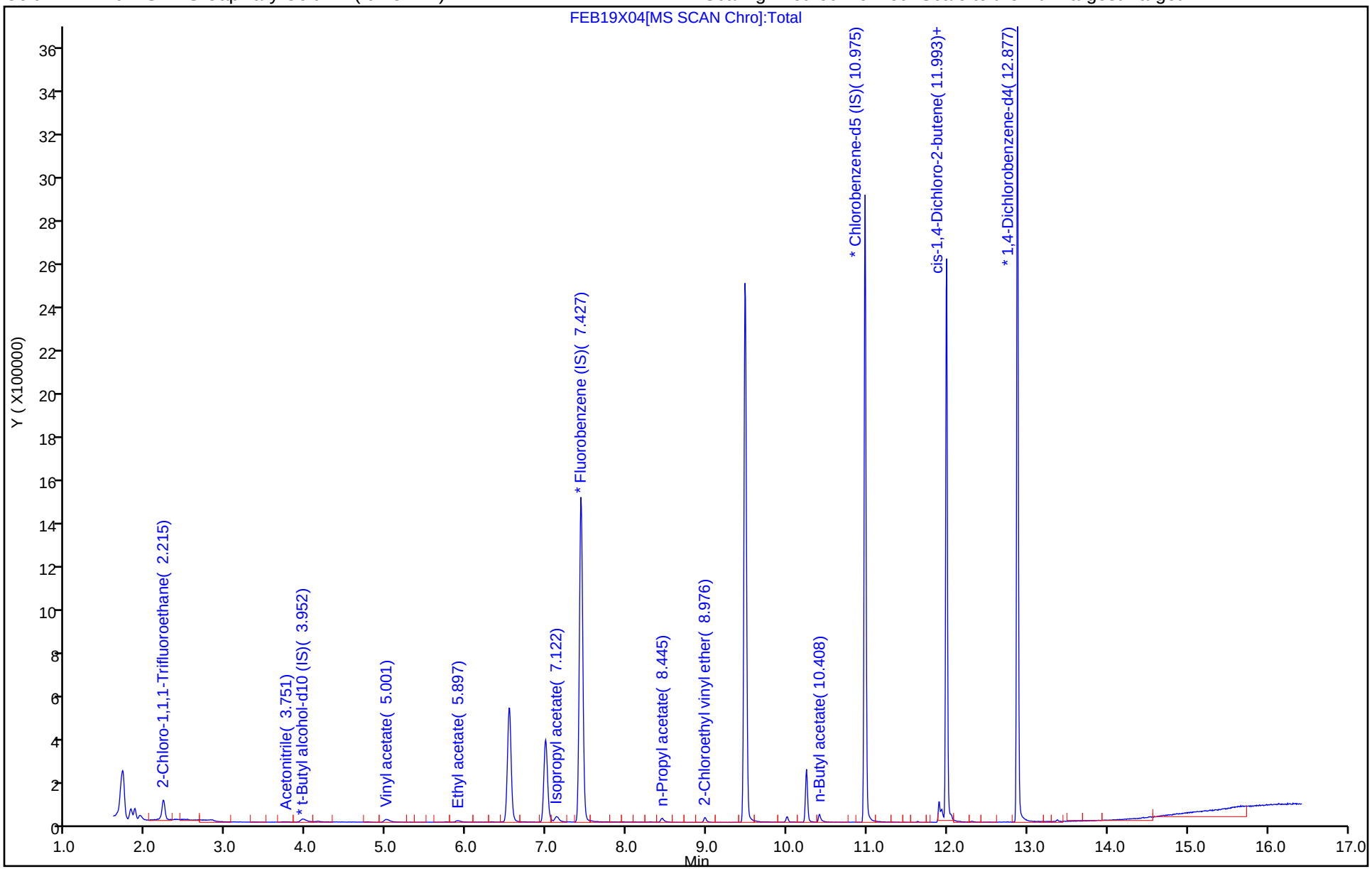
Report Date: 26-Feb-2024 13:07:10 Chrom Revision: 2.3 23-Feb-2024 16:51:14

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

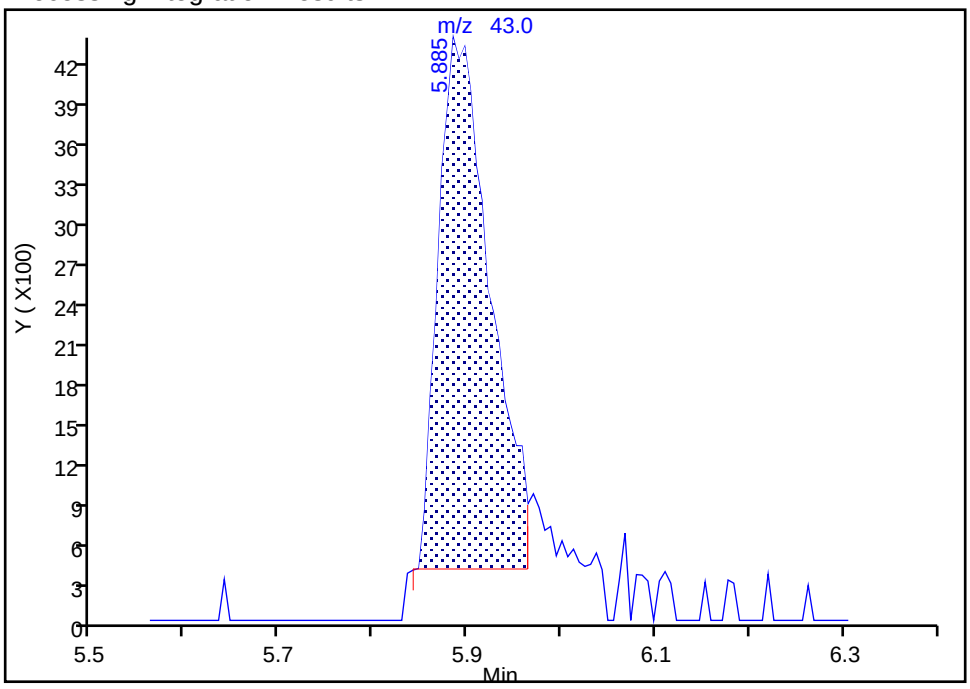
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X04.D
Injection Date: 19-Feb-2024 23:44:30 Instrument ID: 16334
Lims ID: IC std3sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

44 Ethyl acetate, CAS: 141-78-6

Signal: 1

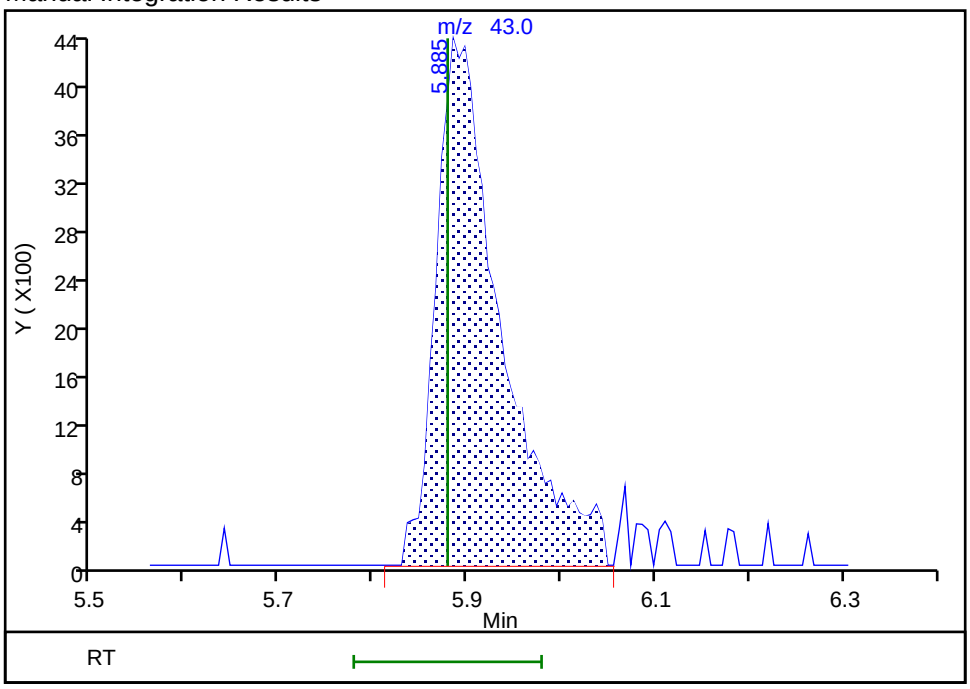
Processing Integration Results

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:

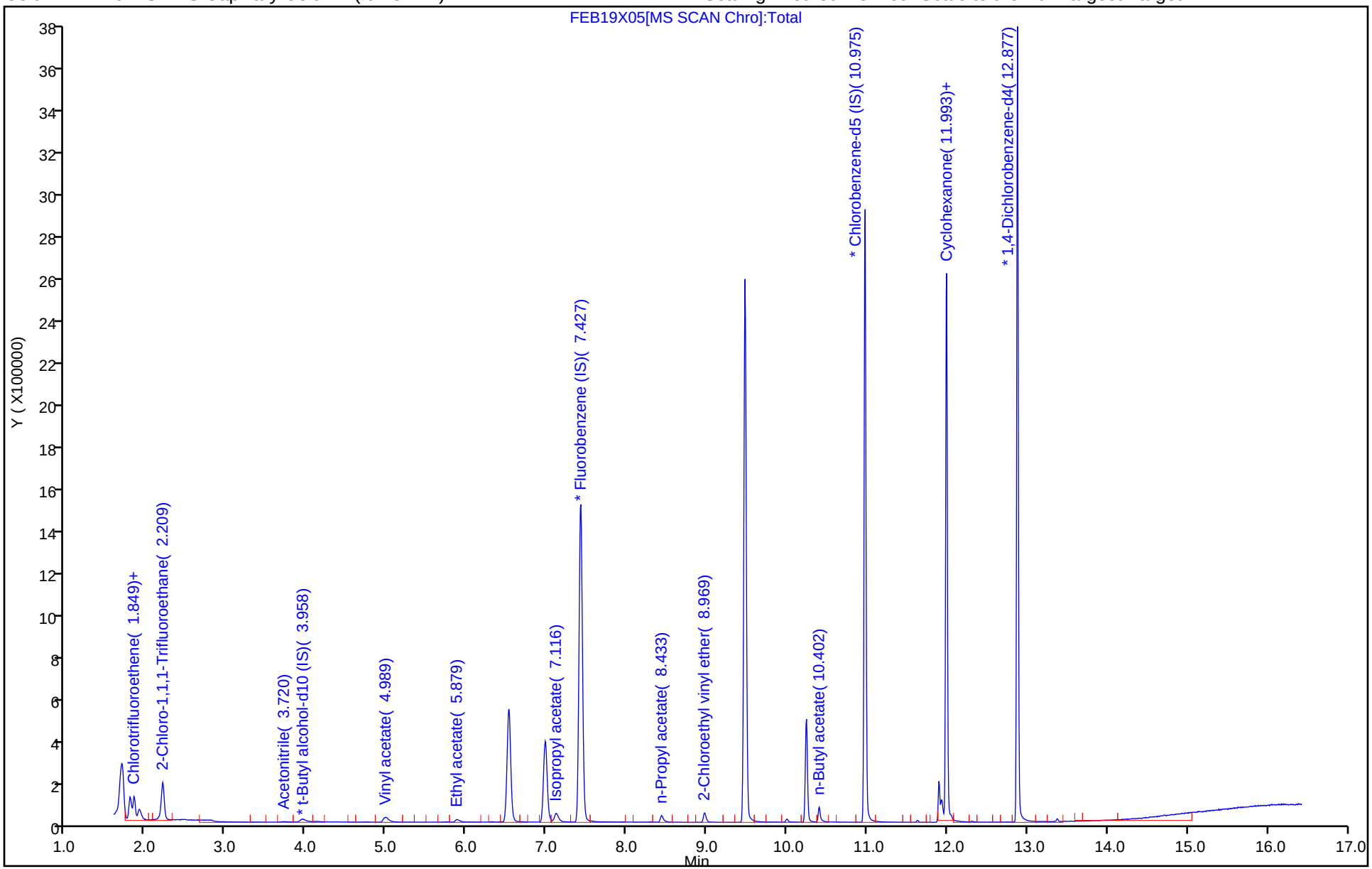
MSV_CCV_CYC_00008	Amount Added:	8.00	Units: uL
MSV_DME_00054	Amount Added:	1.00	Units: uL
MSV_V_SMRV4_00067	Amount Added:	5.00	Units: uL
MSV_CCV_V5ACE_00033	Amount Added:	1.00	Units: uL
MSV_HP25_ISO_00009	Amount Added:	1.00	Units: uL

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

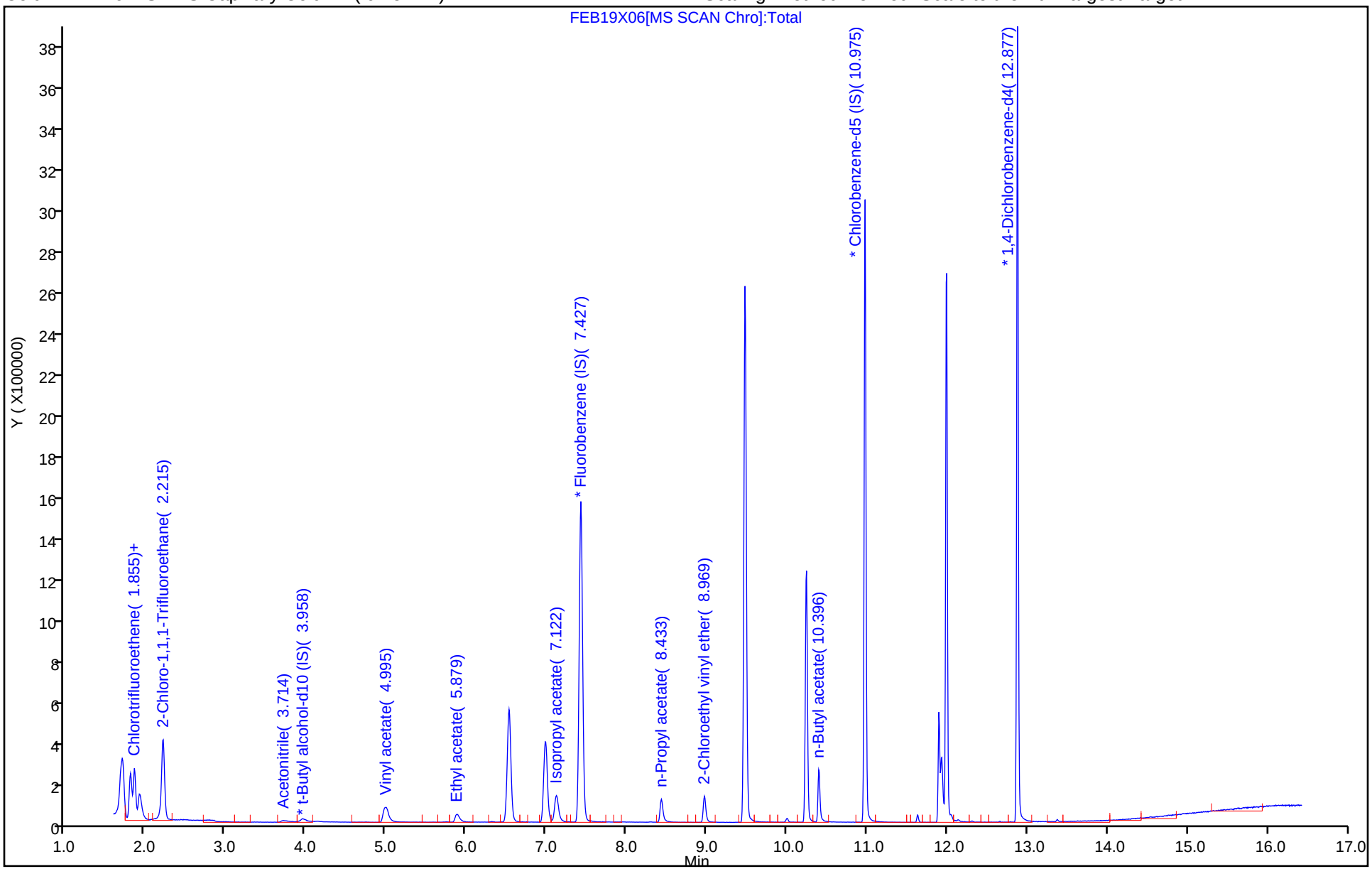
Report Date: 26-Feb-2024 13:07:21 Chrom Revision: 2.3 23-Feb-2024 16:51:14

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

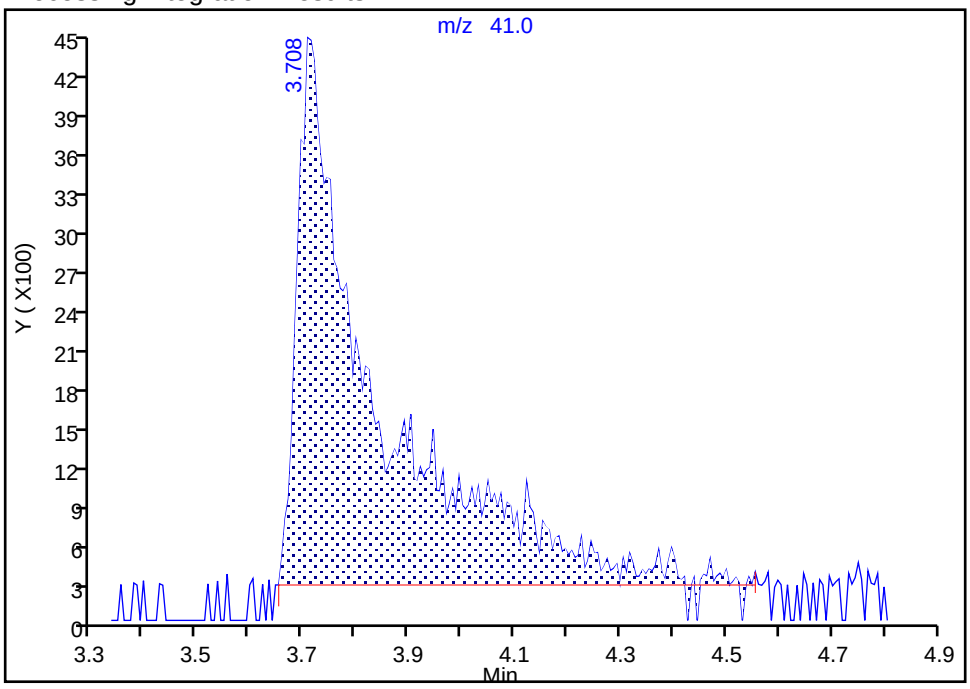
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X06.D
Injection Date: 20-Feb-2024 00:28:30 Instrument ID: 16334
Lims ID: IC std5sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

26 Acetonitrile, CAS: 75-05-8

Signal: 1

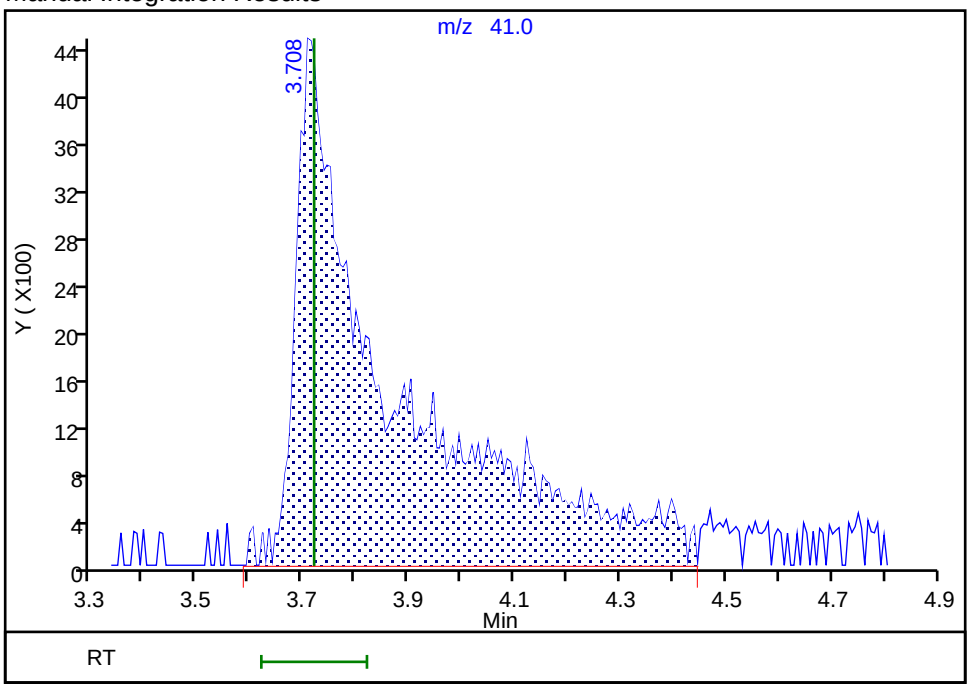
Processing Integration Results

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

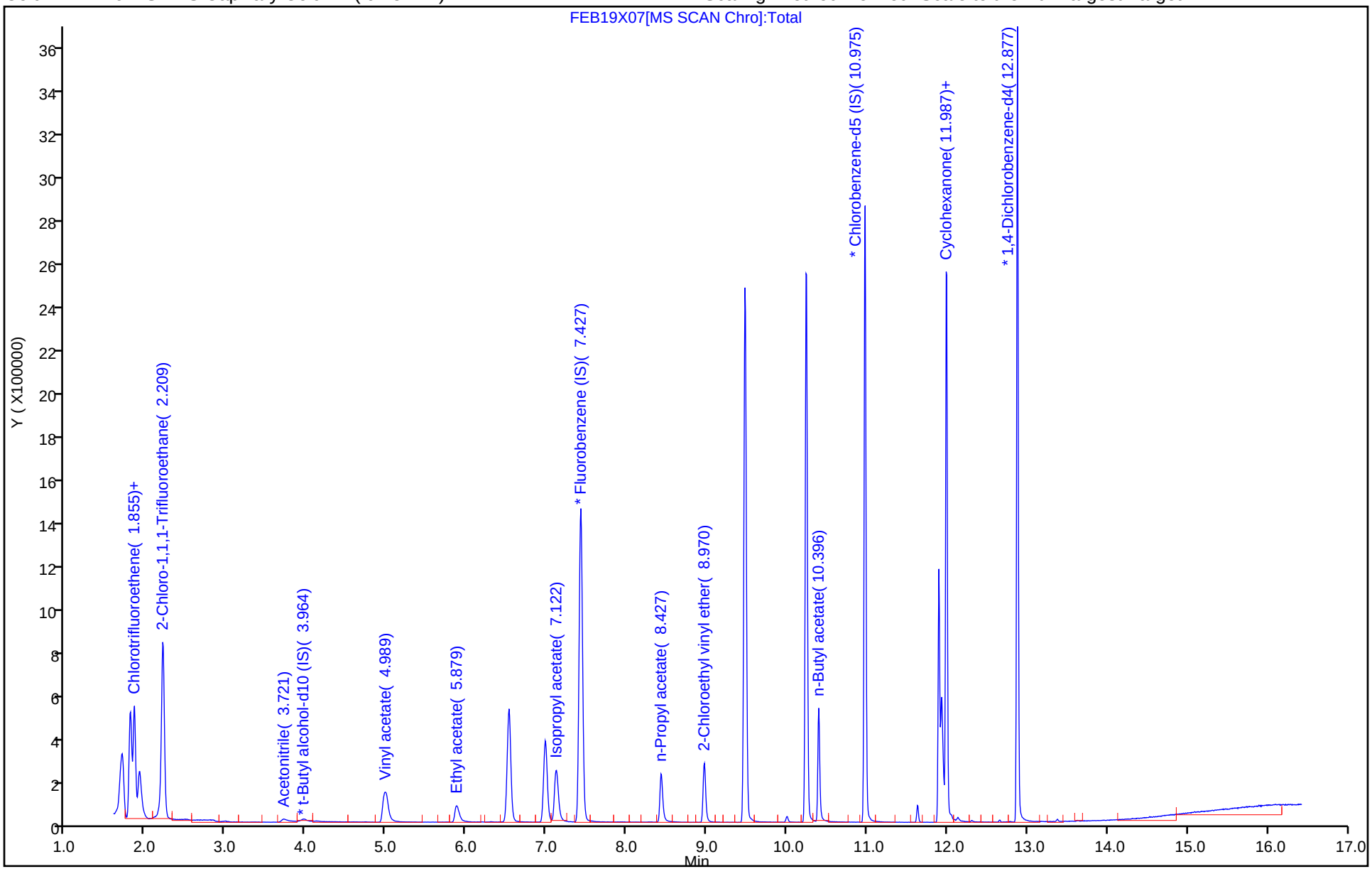
Report Date: 26-Feb-2024 13:07:26 Chrom Revision: 2.3 23-Feb-2024 16:51:14

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

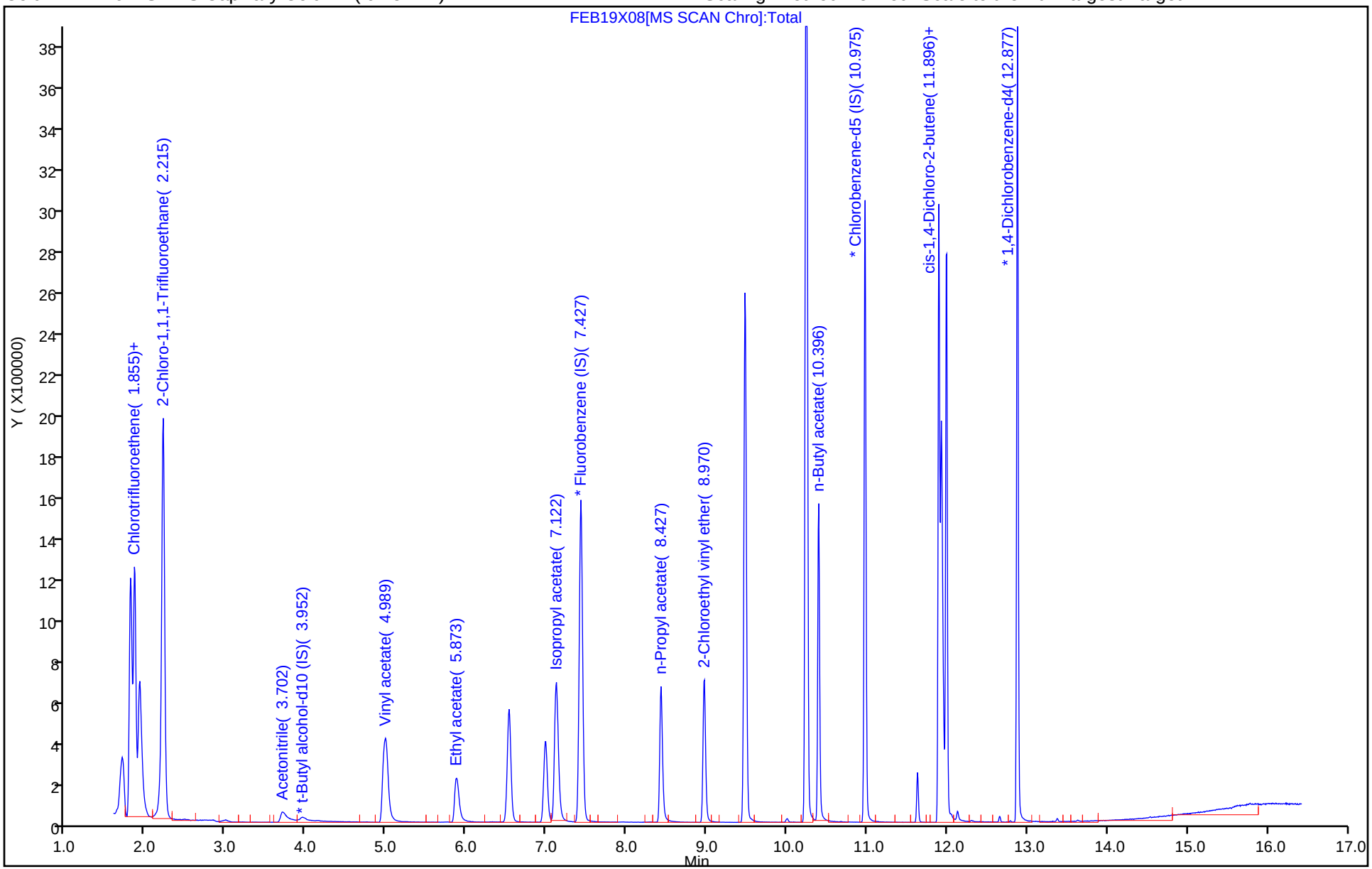
Report Date: 26-Feb-2024 13:07:31 Chrom Revision: 2.3 23-Feb-2024 16:51:14

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

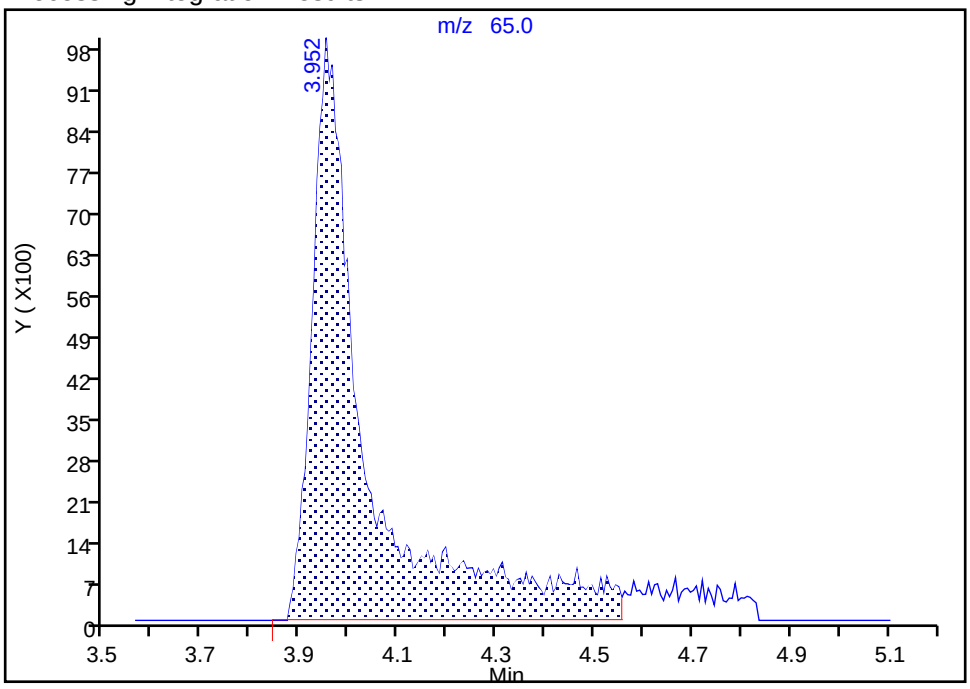
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X08.D
Injection Date: 20-Feb-2024 01:12:30 Instrument ID: 16334
Lims ID: IC std7sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 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

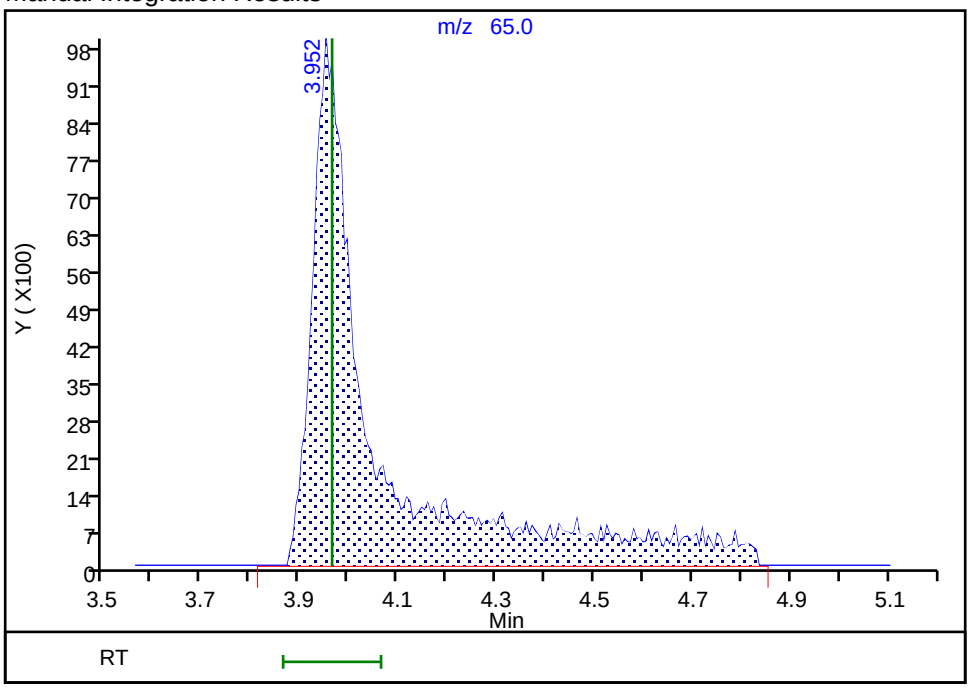
Processing Integration Results

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

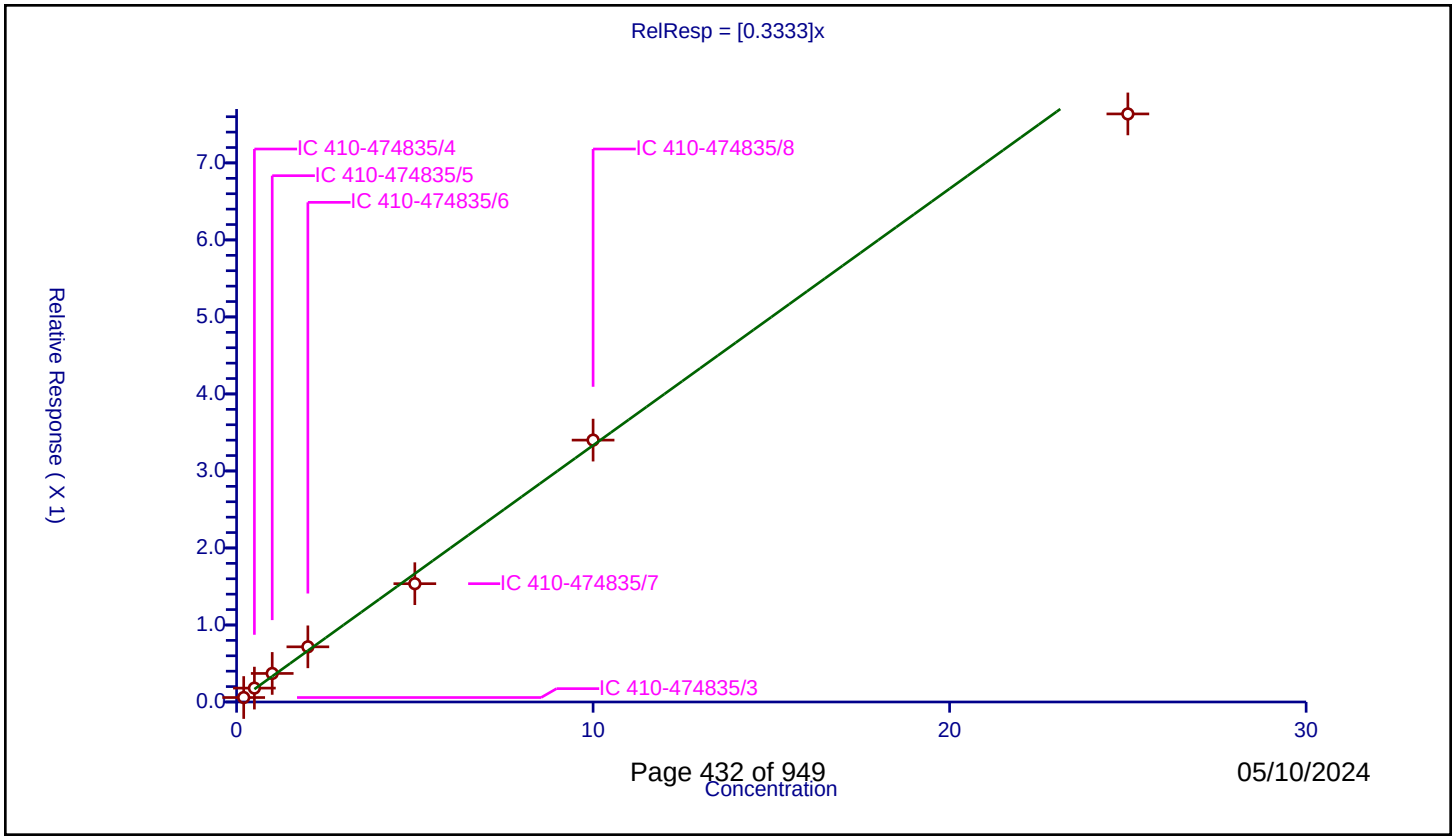
Curve Coefficients

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

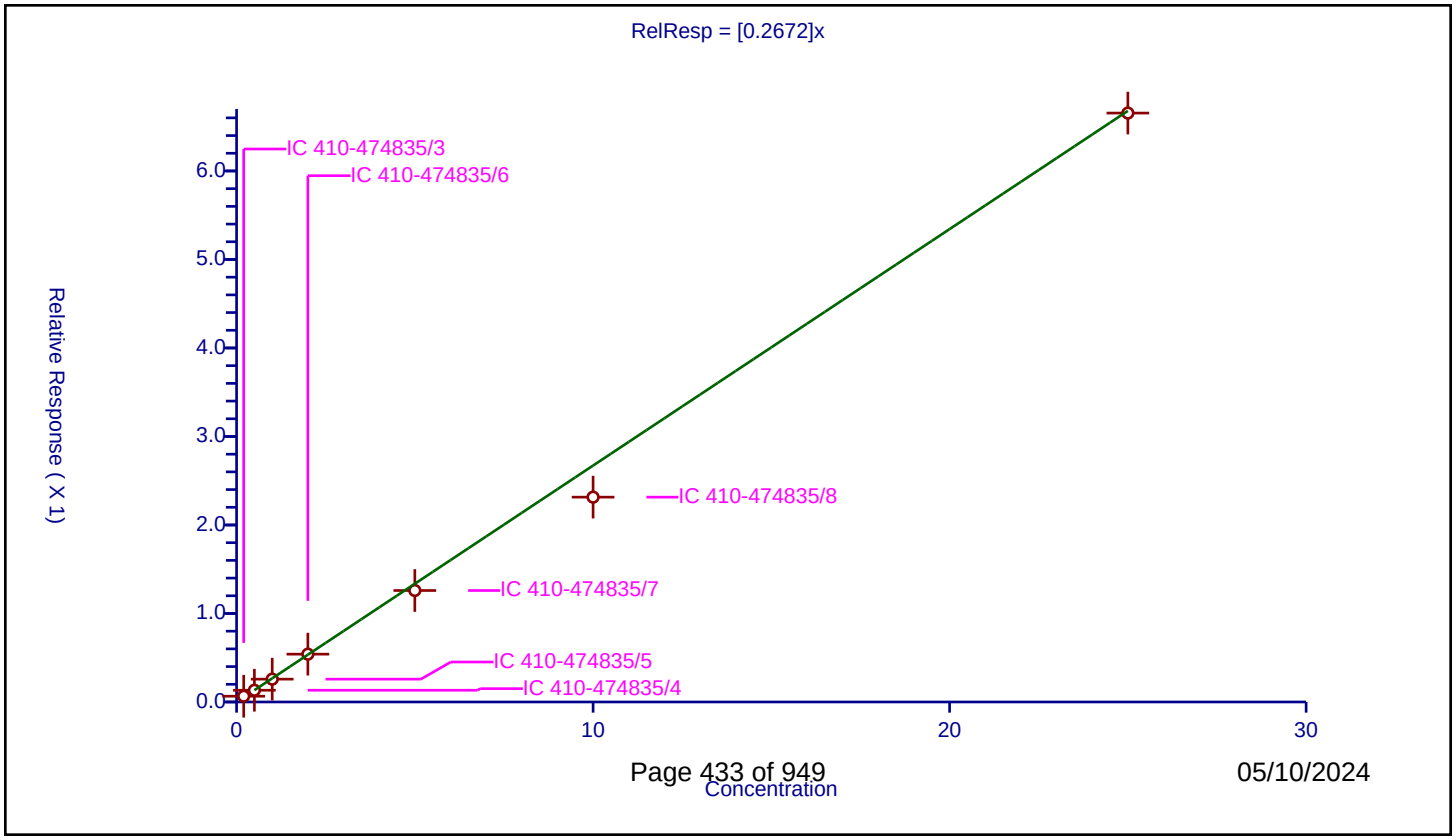
Curve Coefficients

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

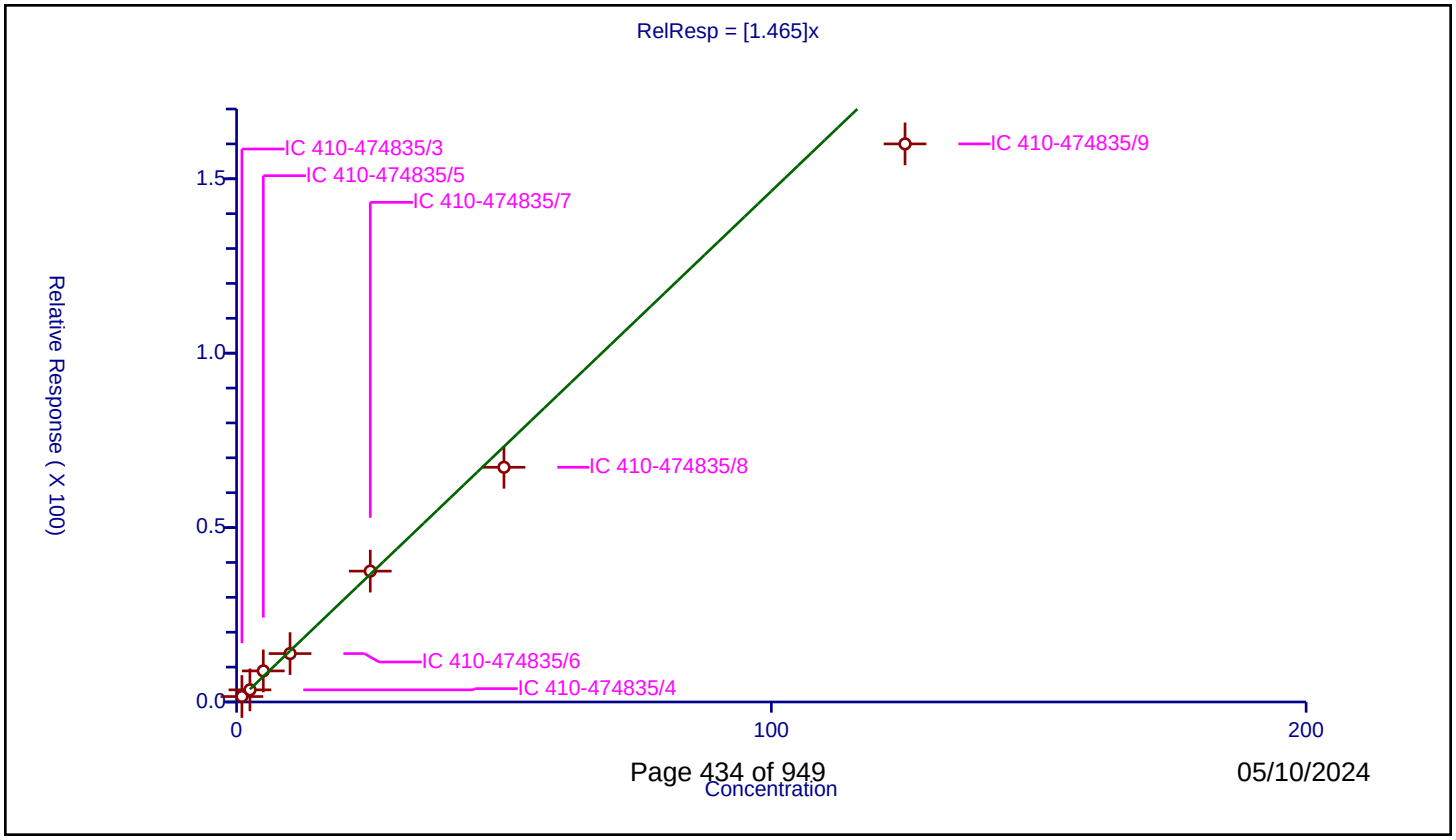
Curve Coefficients

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

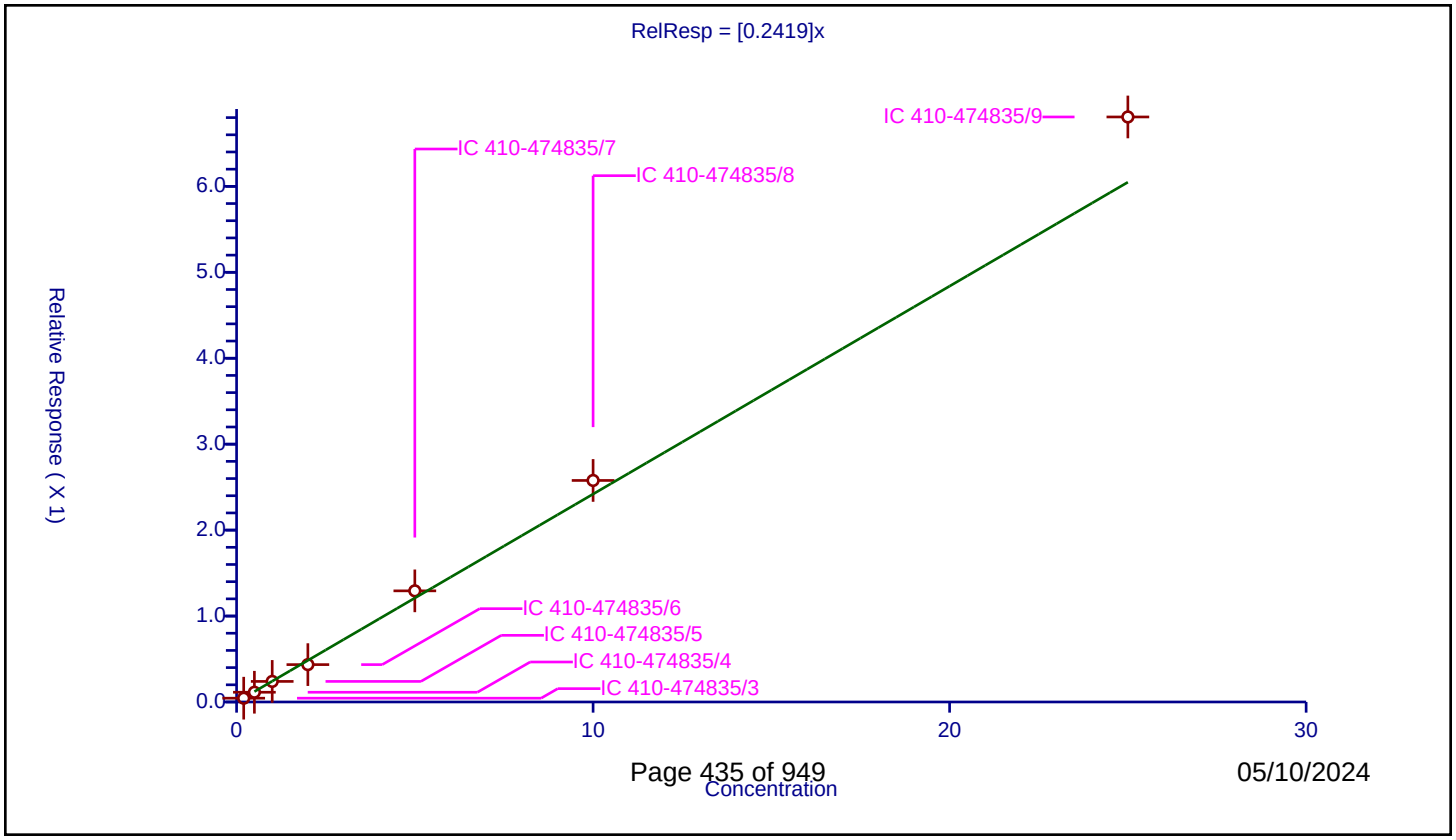
Curve Coefficients

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

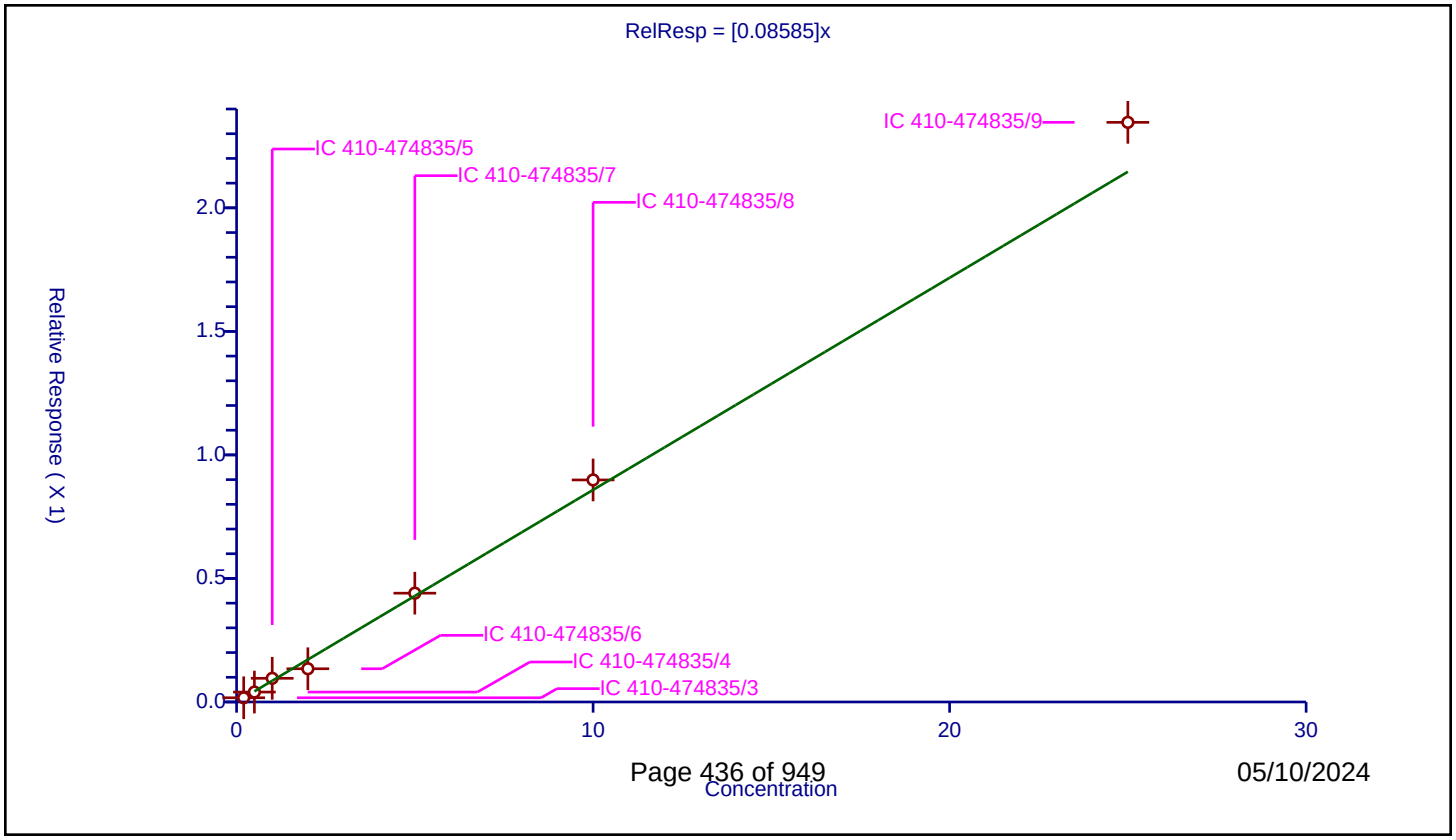
Curve Coefficients

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

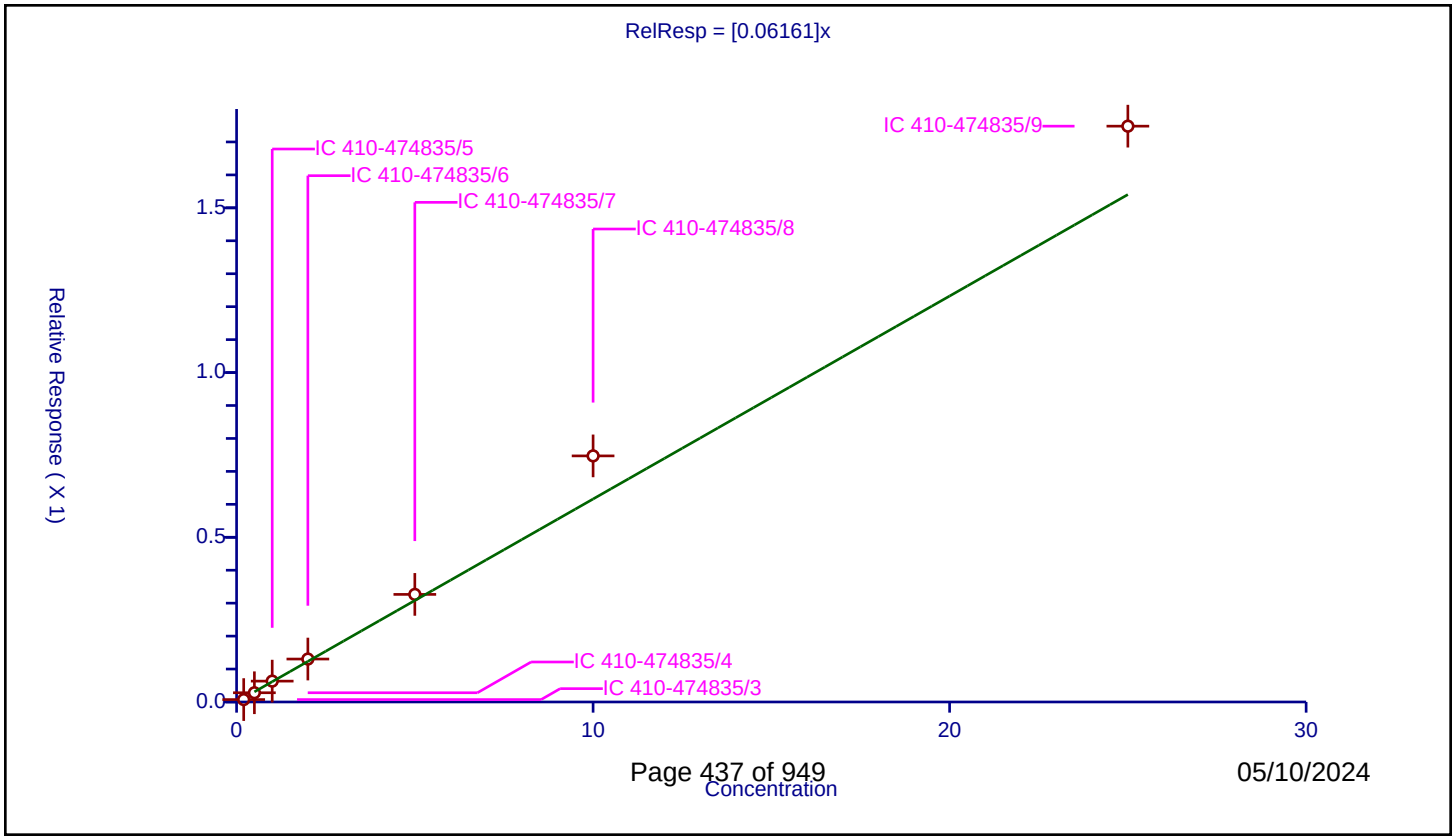
Curve Coefficients

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

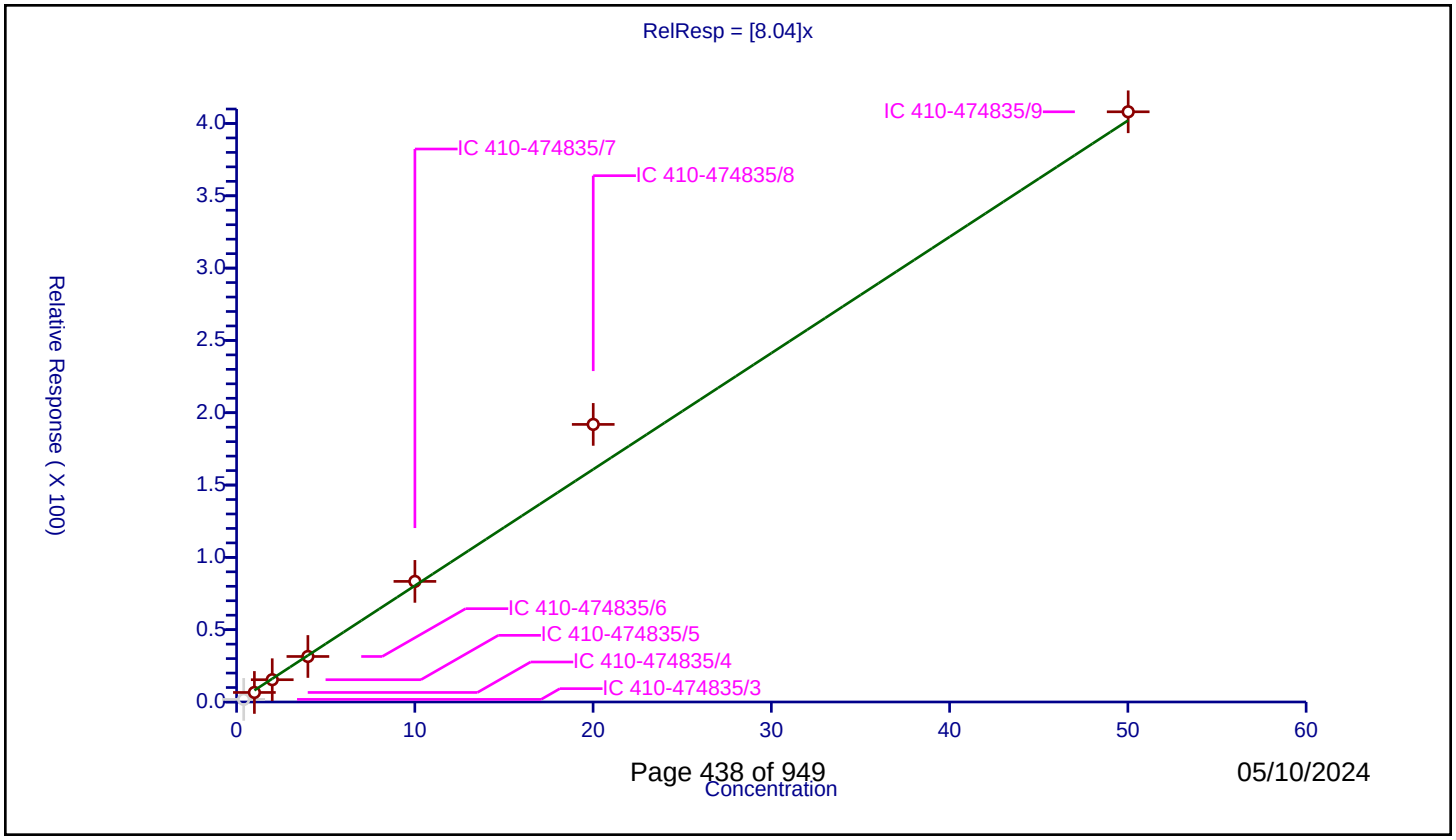
Curve Coefficients

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

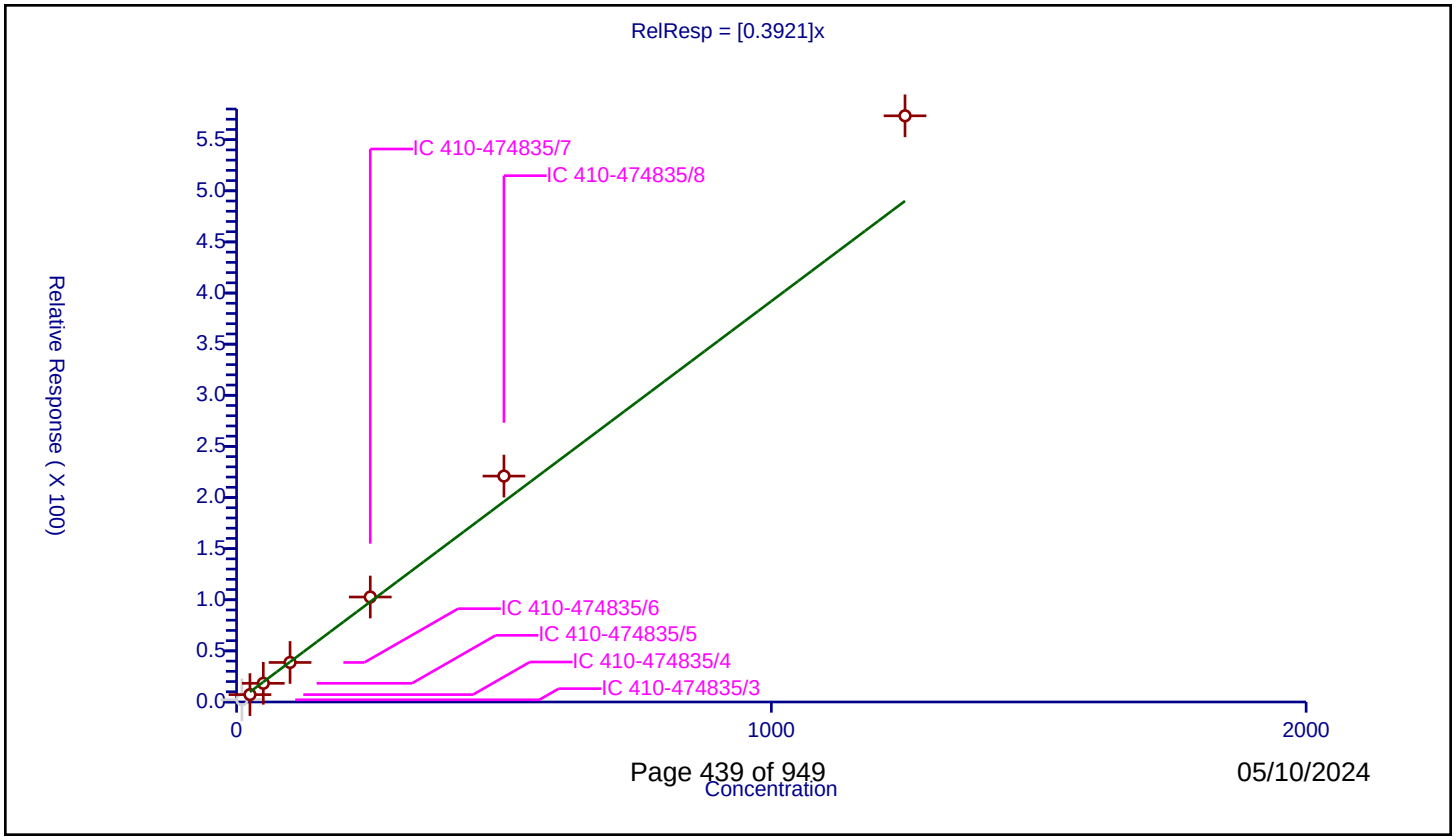
Curve Coefficients

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.: 410-169938-1 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.: 410-169938-1 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.: 410-169938-1 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.: 410-169938-1 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.: 410-169938-1 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			

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.: 410-169938-1 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			

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.: 410-169938-1 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			

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.: 410-169938-1 | 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.: 410-169938-1 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.: 410-169938-1 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.: 410-169938-1 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.: 410-169938-1 | 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.: 410-169938-1 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.: 410-169938-1 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.: 410-169938-1 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.: 410-169938-1 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.: 410-169938-1 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.: 410-169938-1 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.: 410-169938-1 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

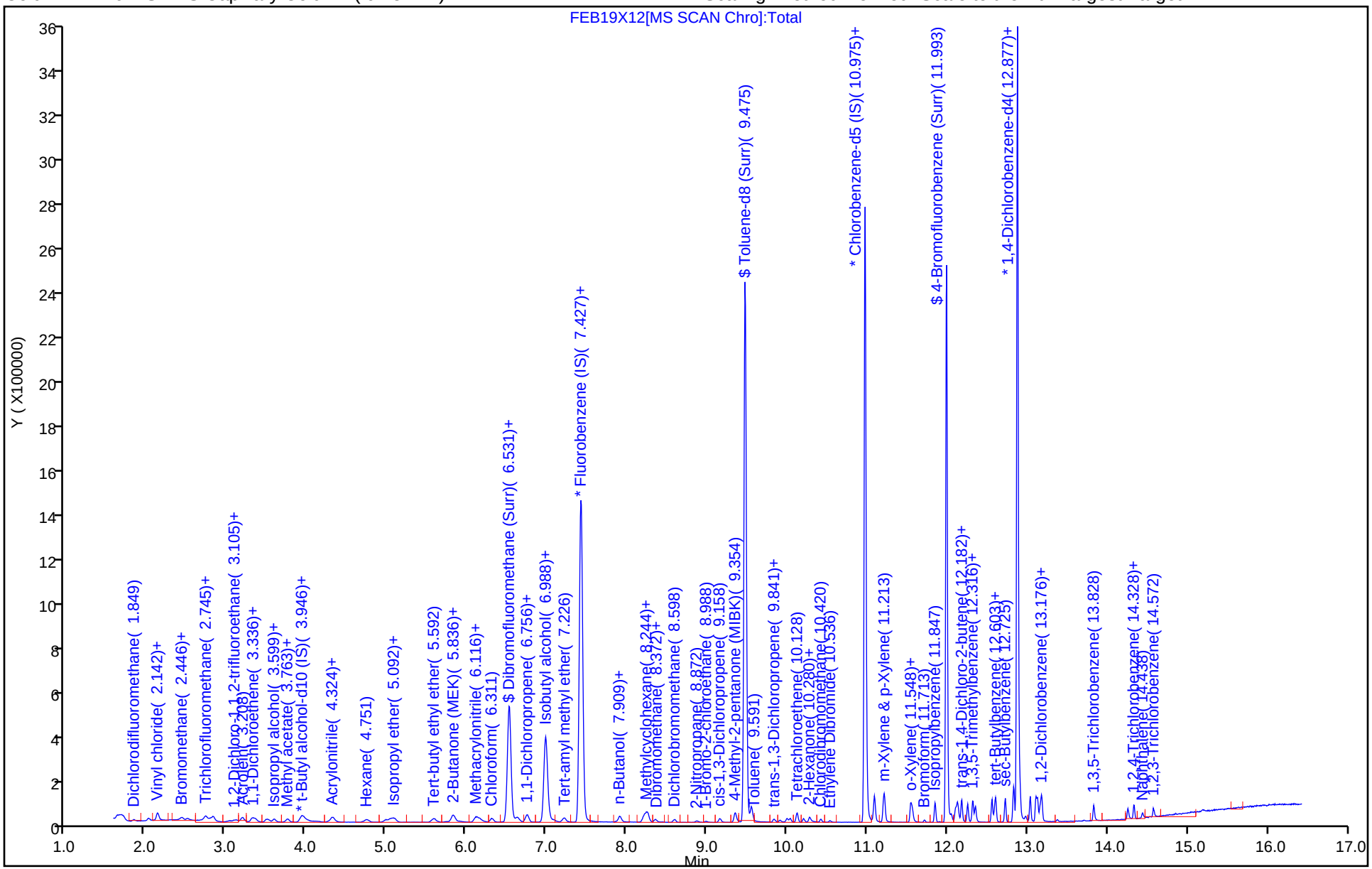
Report Date: 26-Feb-2024 13:07:36 Chrom Revision: 2.3 23-Feb-2024 16:51:14

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

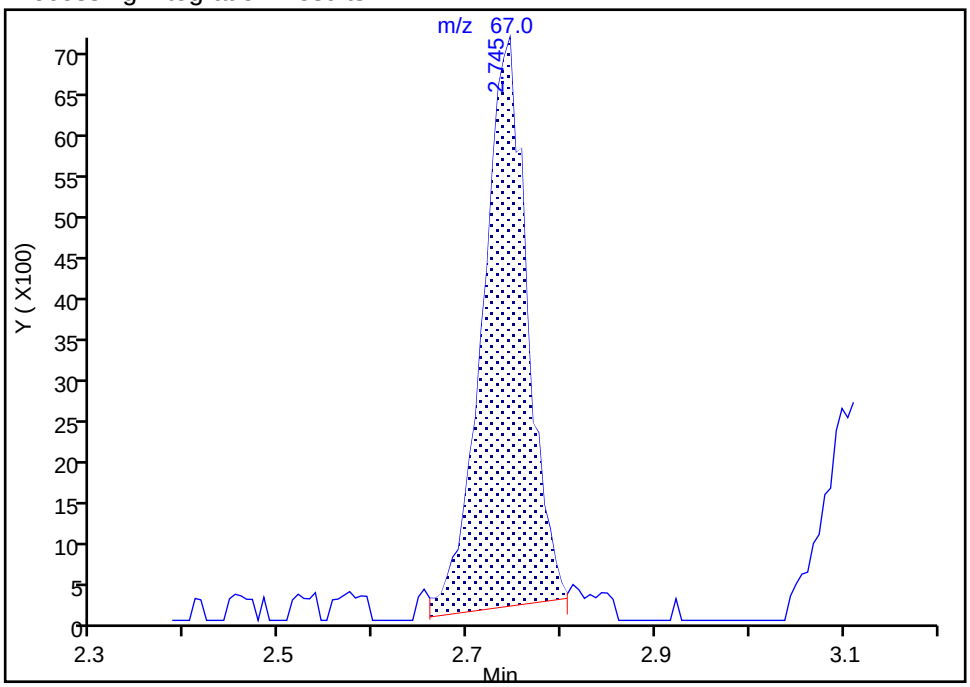
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X12.D
Injection Date: 20-Feb-2024 02:41:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

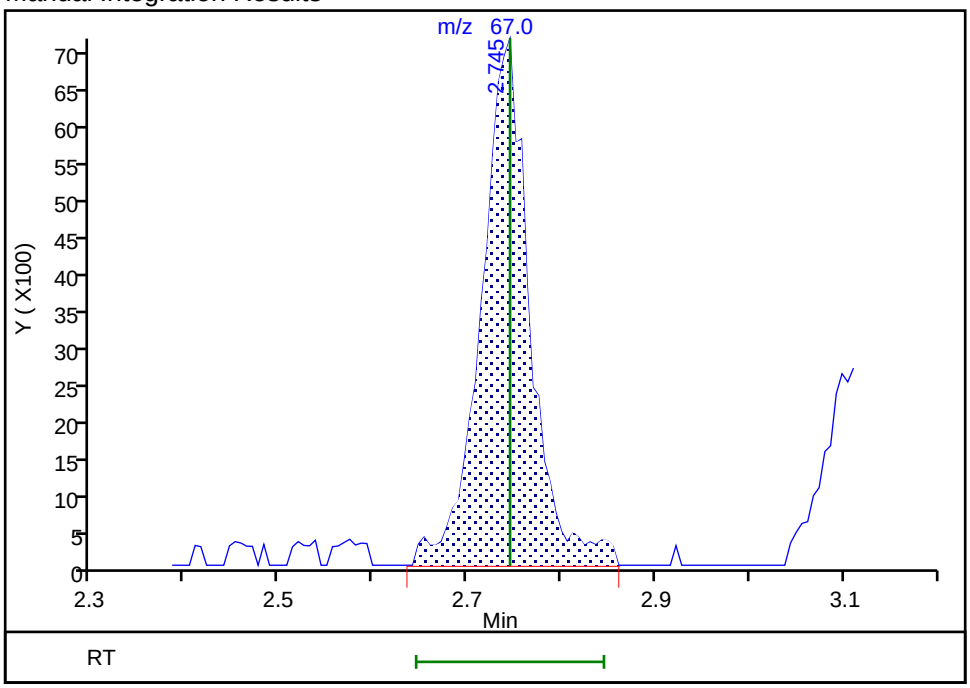
Processing Integration Results

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

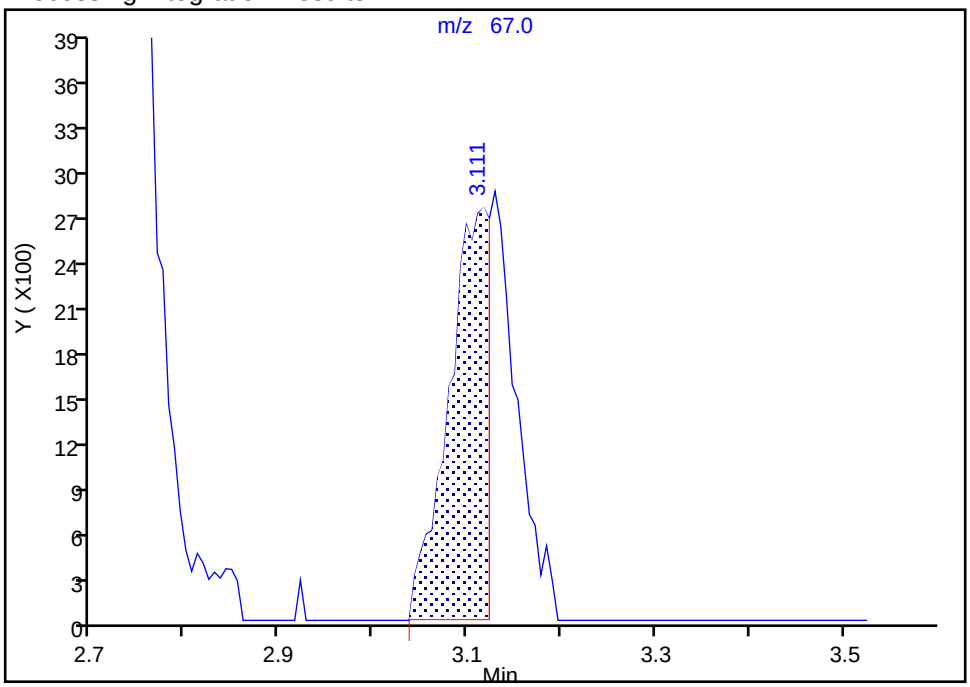
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X12.D
Injection Date: 20-Feb-2024 02:41:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 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

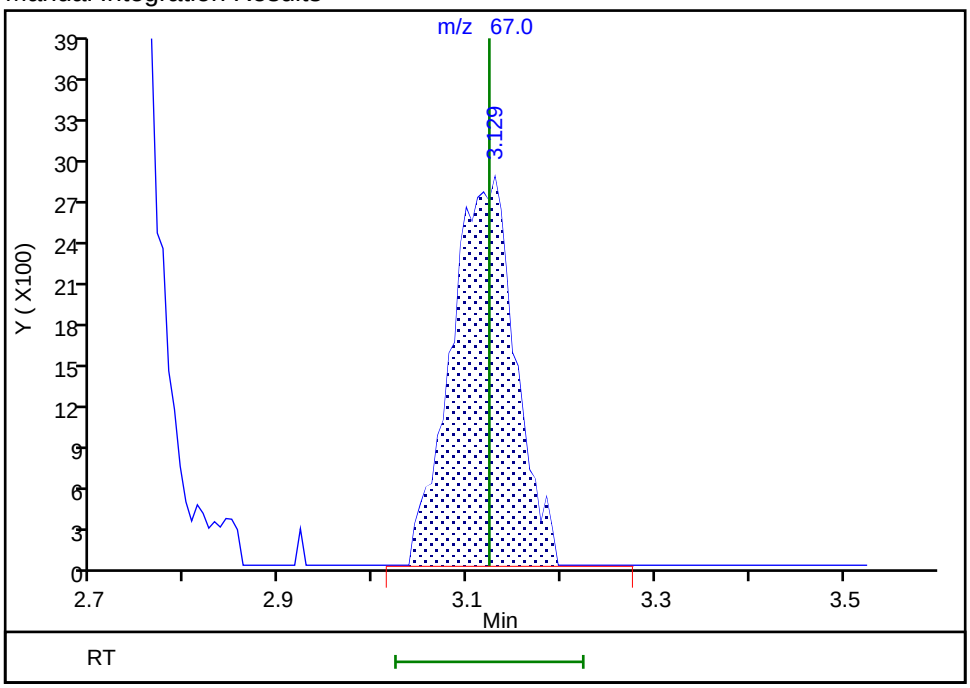
Processing Integration Results

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

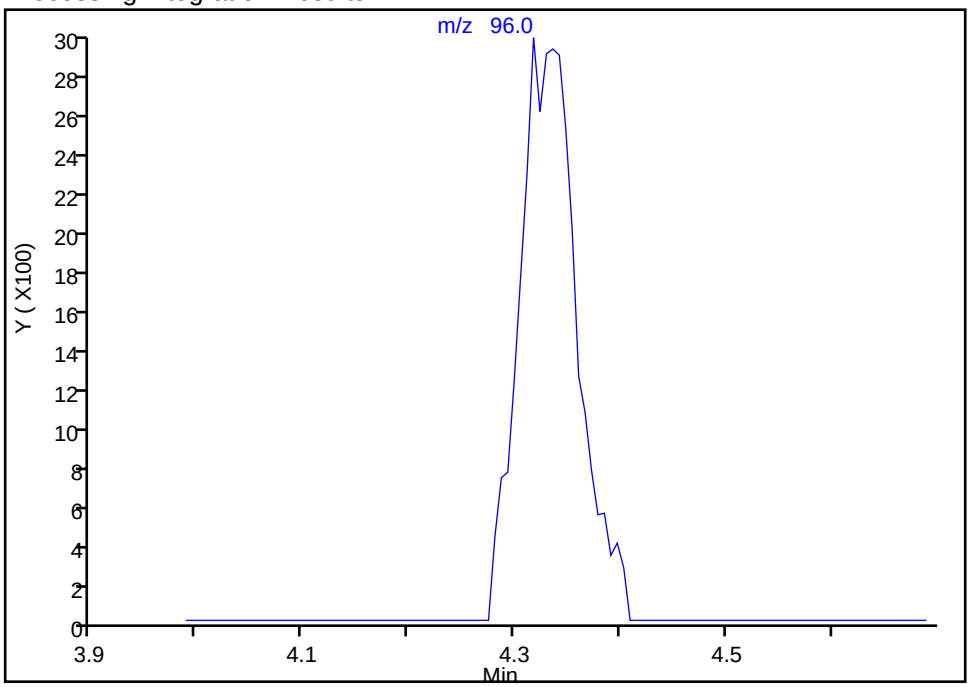
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X12.D
Injection Date: 20-Feb-2024 02:41:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

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

Signal: 1

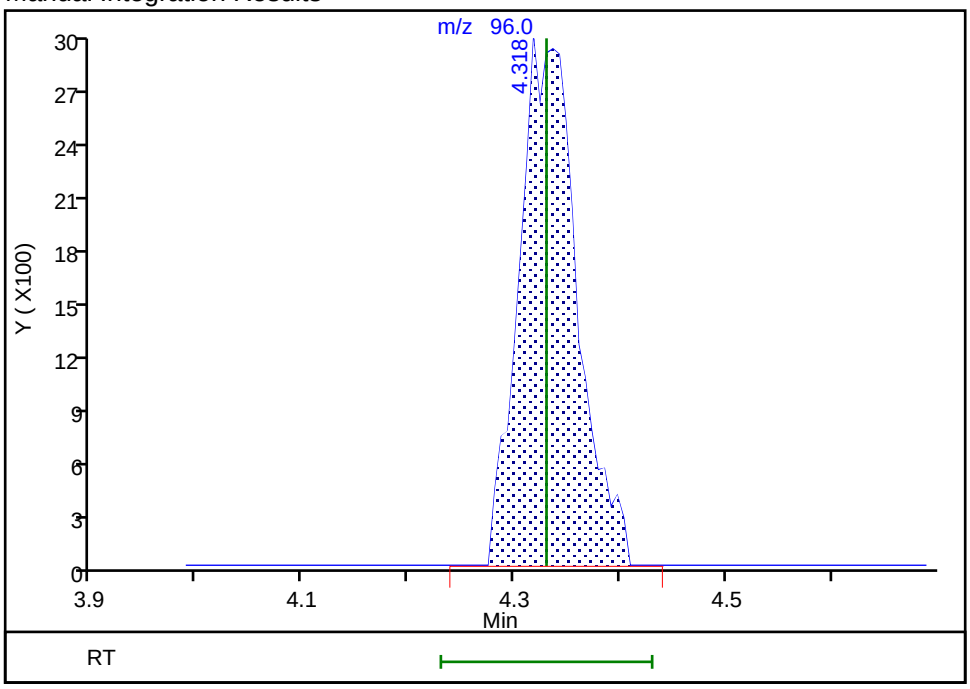
Not Detected
Expected RT: 4.33

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

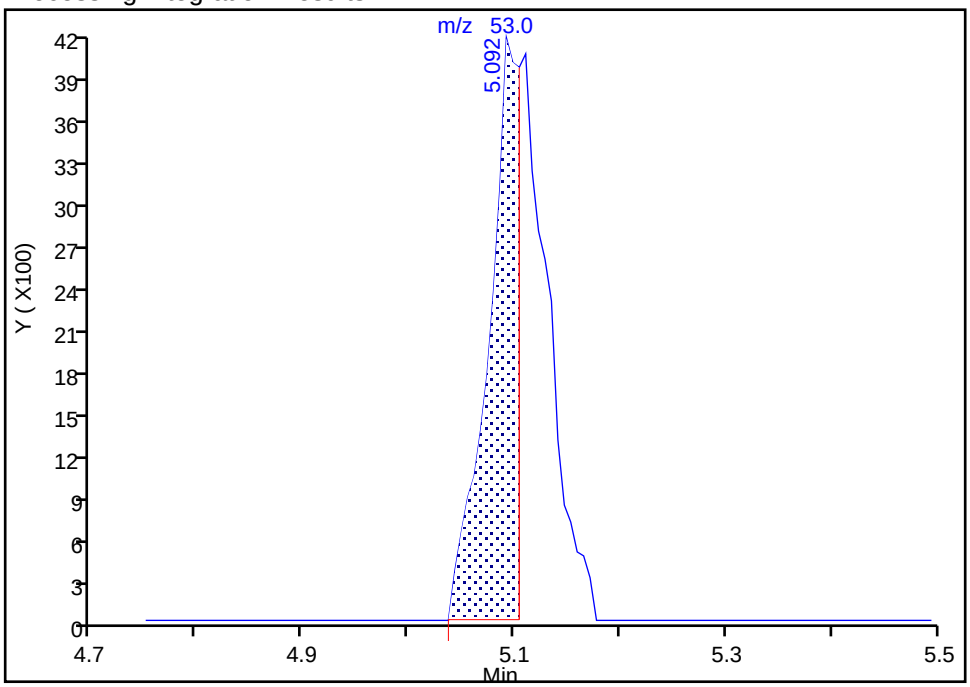
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X12.D
Injection Date: 20-Feb-2024 02:41:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 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

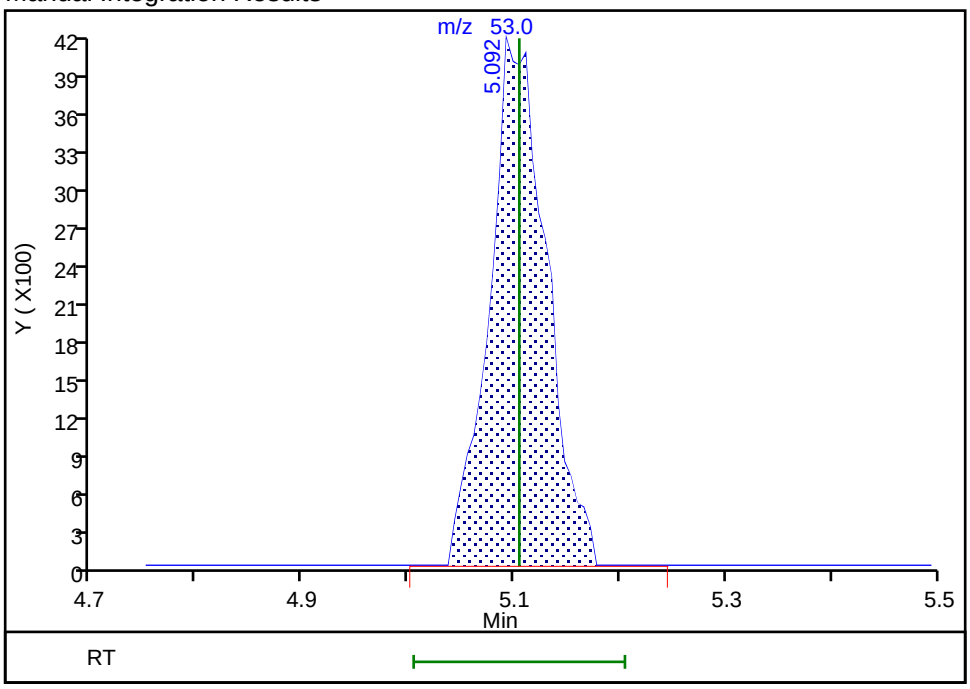
Processing Integration Results

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

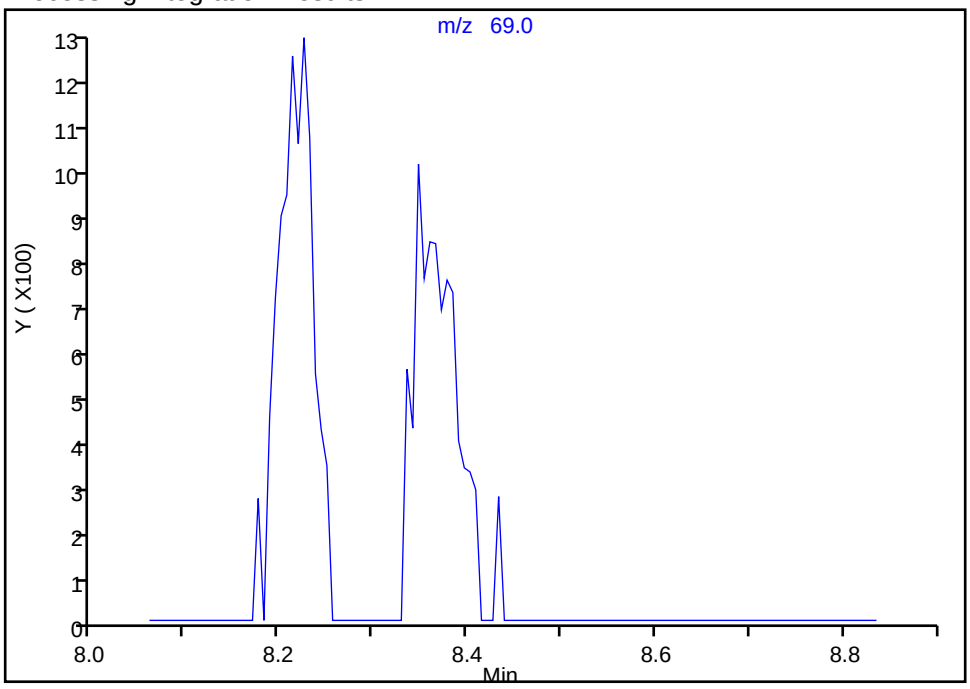
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X12.D
Injection Date: 20-Feb-2024 02:41:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

72 Methyl methacrylate, CAS: 80-62-6

Signal: 1

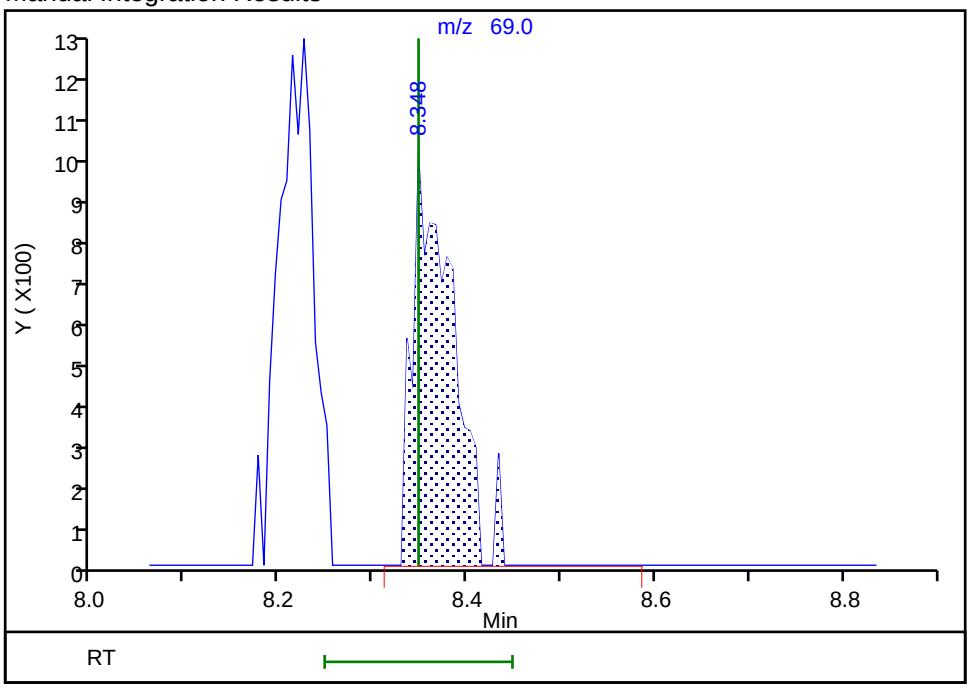
Not Detected
Expected RT: 8.35

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

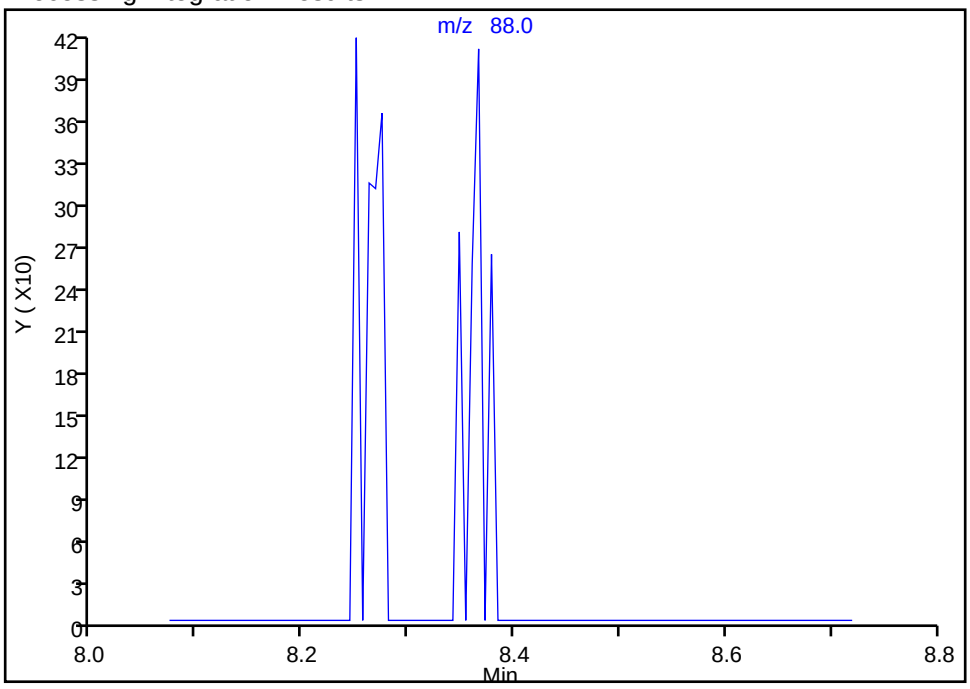
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X12.D
Injection Date: 20-Feb-2024 02:41:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

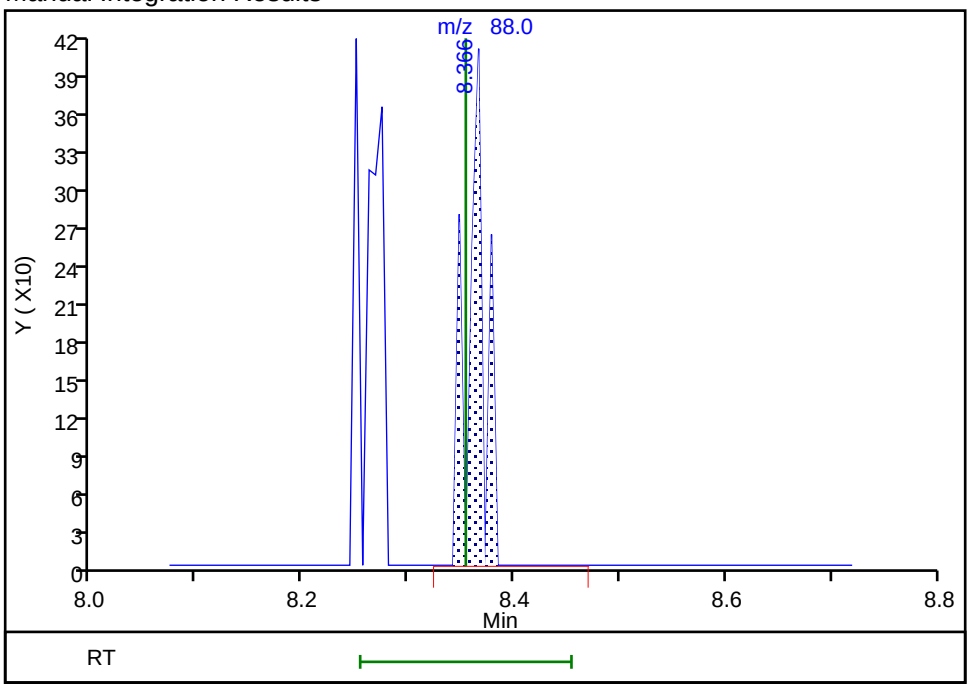
Not Detected
Expected RT: 8.35

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

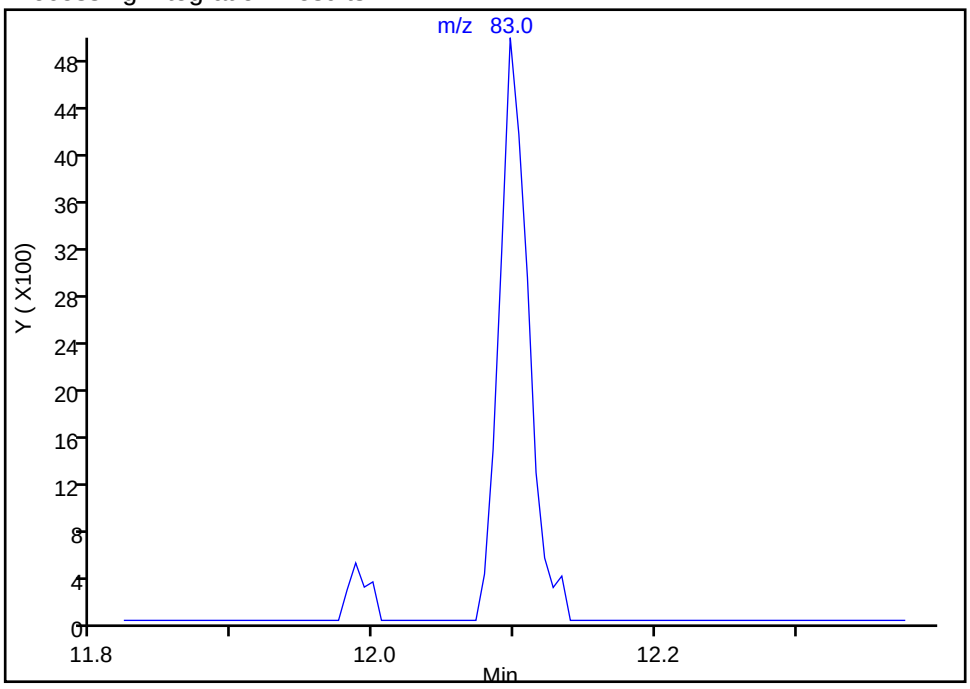
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X12.D
Injection Date: 20-Feb-2024 02:41:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 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

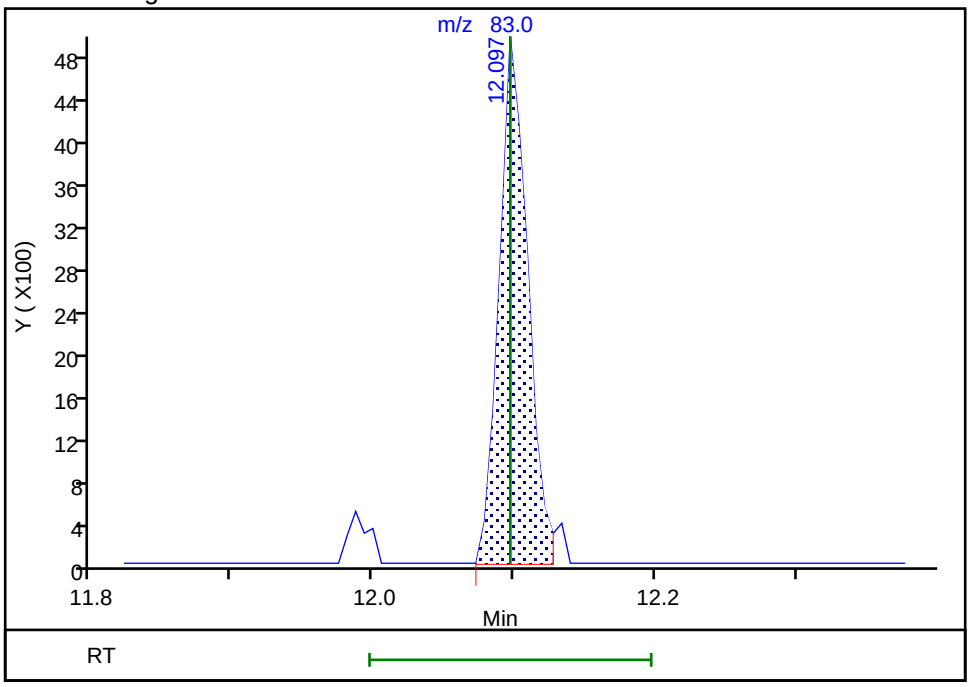
Not Detected
Expected RT: 12.10

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

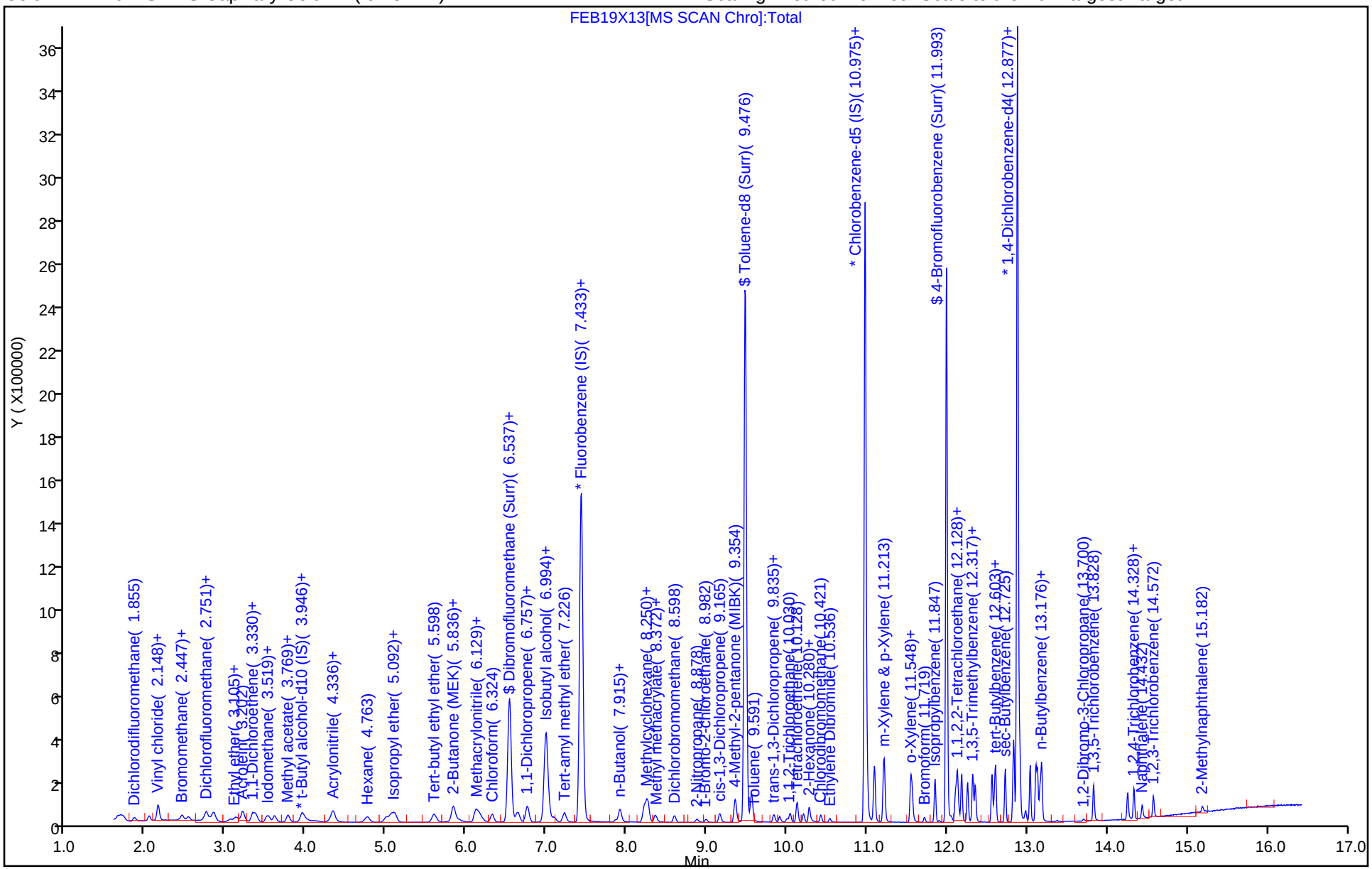
Report Date: 26-Feb-2024 13:07:42 Chrom Revision: 2.3 23-Feb-2024 16:51:14

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

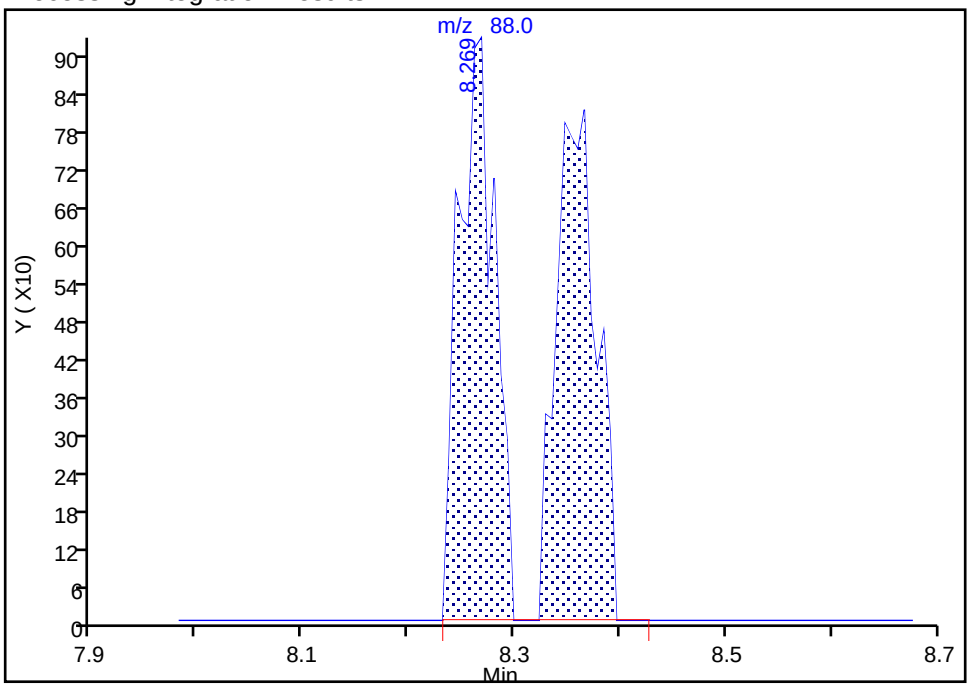
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X13.D
Injection Date: 20-Feb-2024 03:03:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

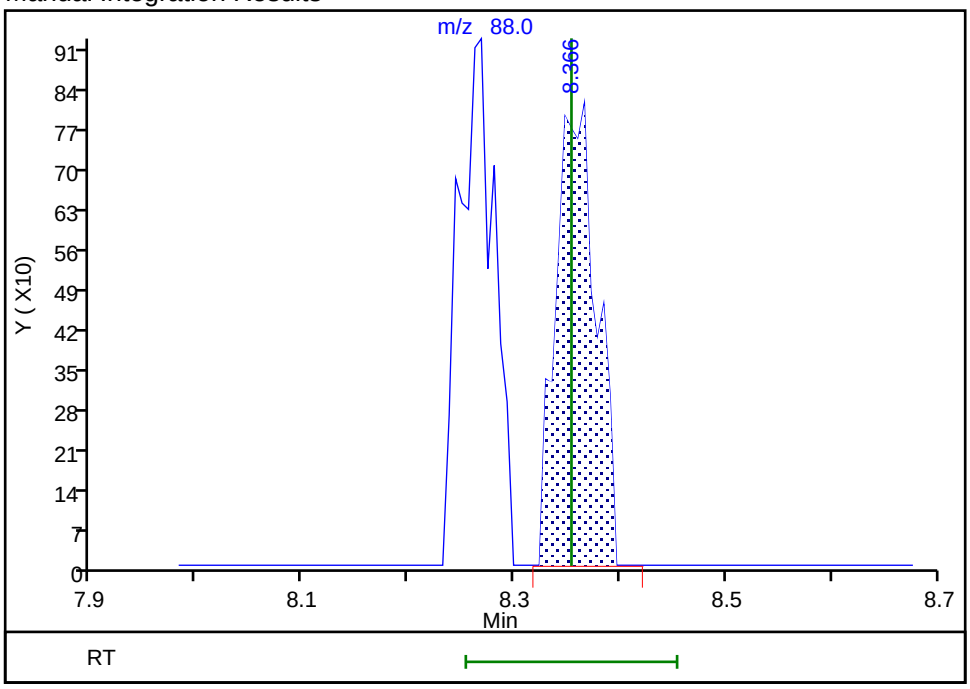
Processing Integration Results

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

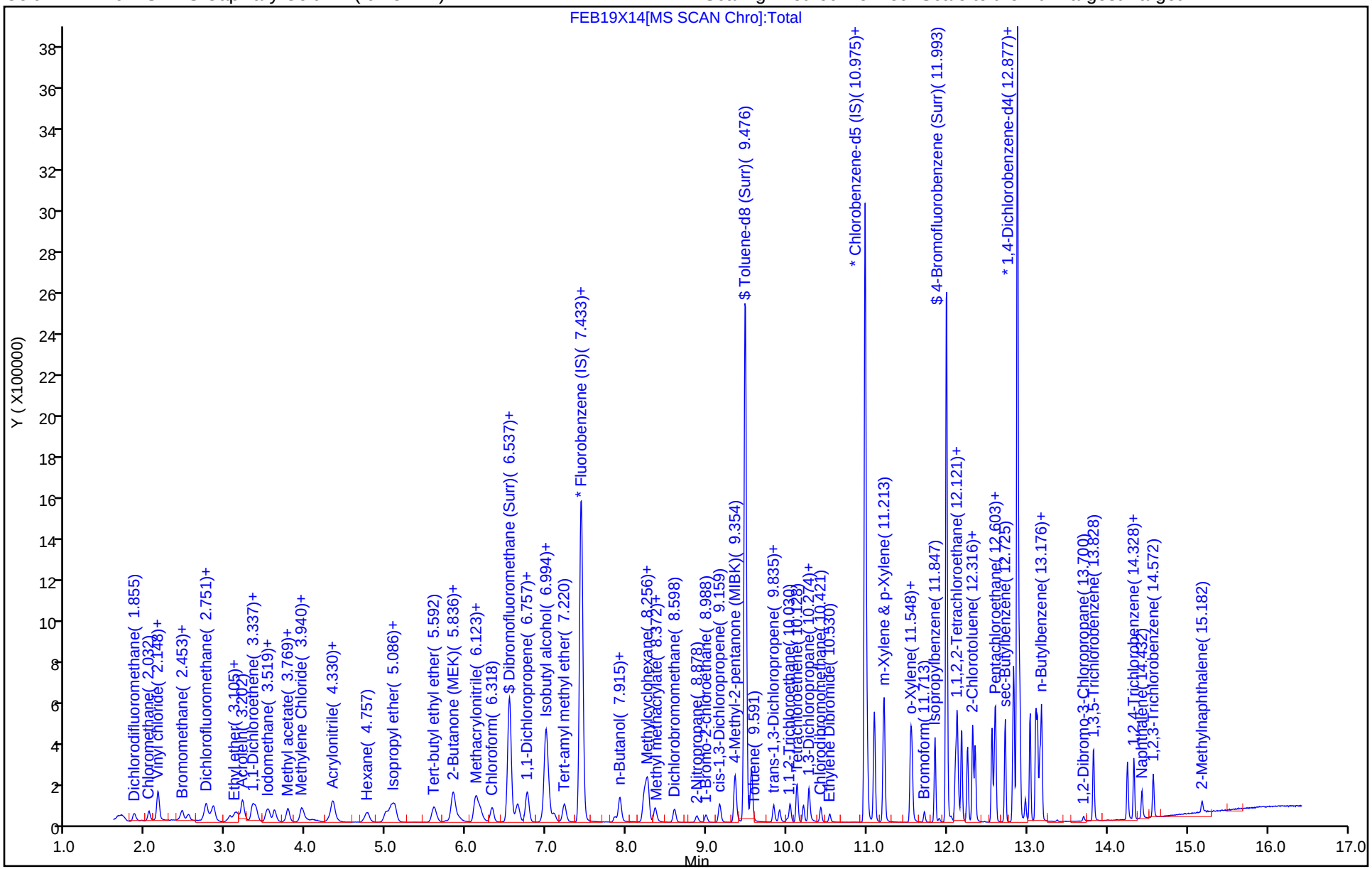
Report Date: 26-Feb-2024 13:07:48 Chrom Revision: 2.3 23-Feb-2024 16:51:14

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

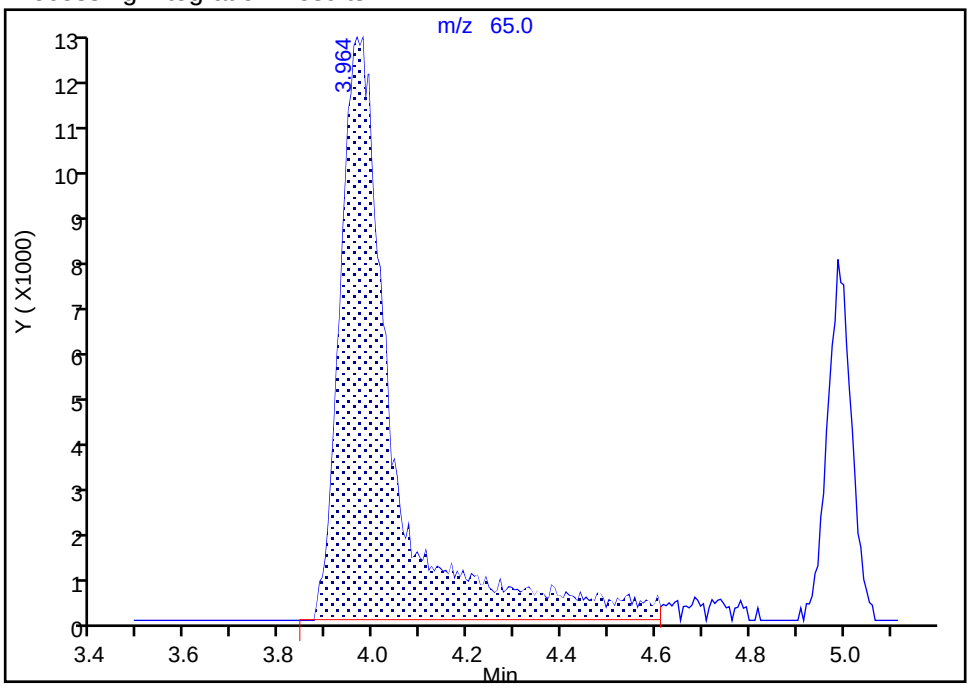
Data File:	\\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X14.D				
Injection Date:	20-Feb-2024 03:25:30	Instrument ID:	16334		
Lims ID:	IC std3				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit 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

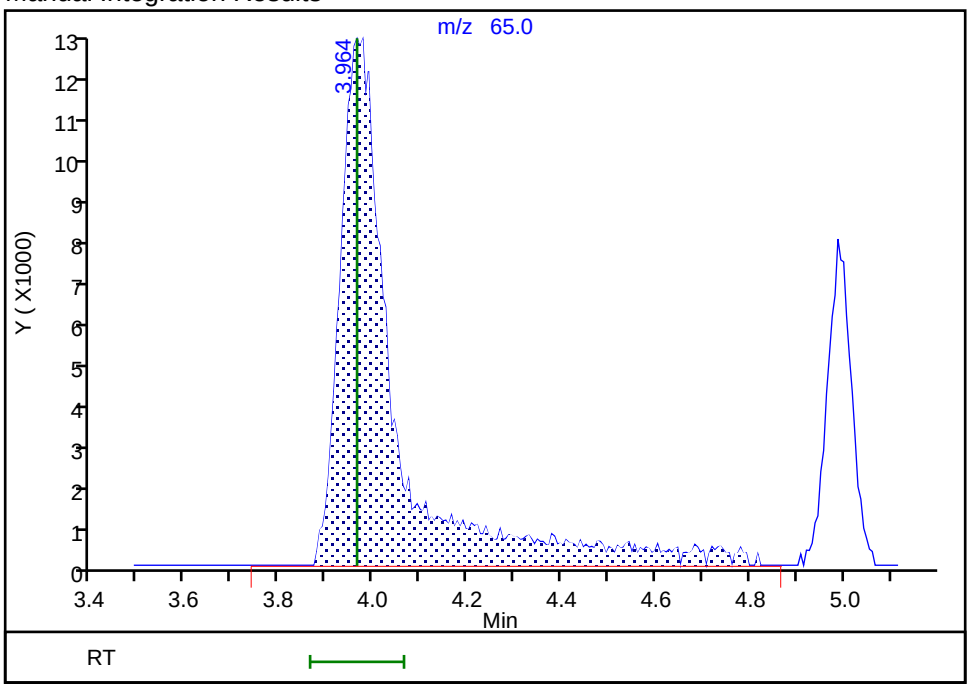
Processing Integration Results

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

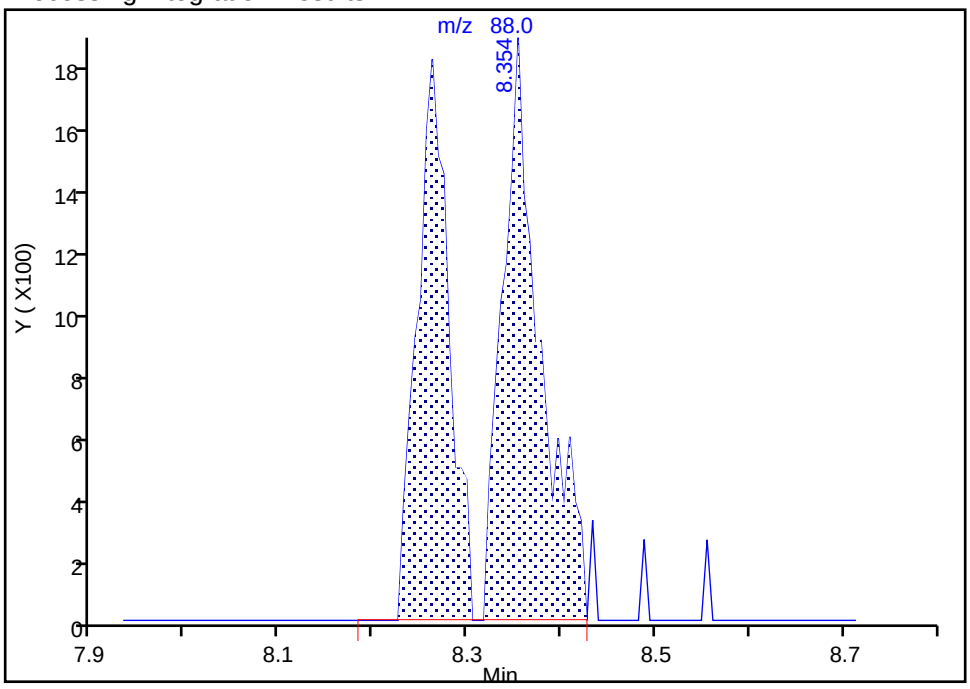
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X14.D
Injection Date: 20-Feb-2024 03:25:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

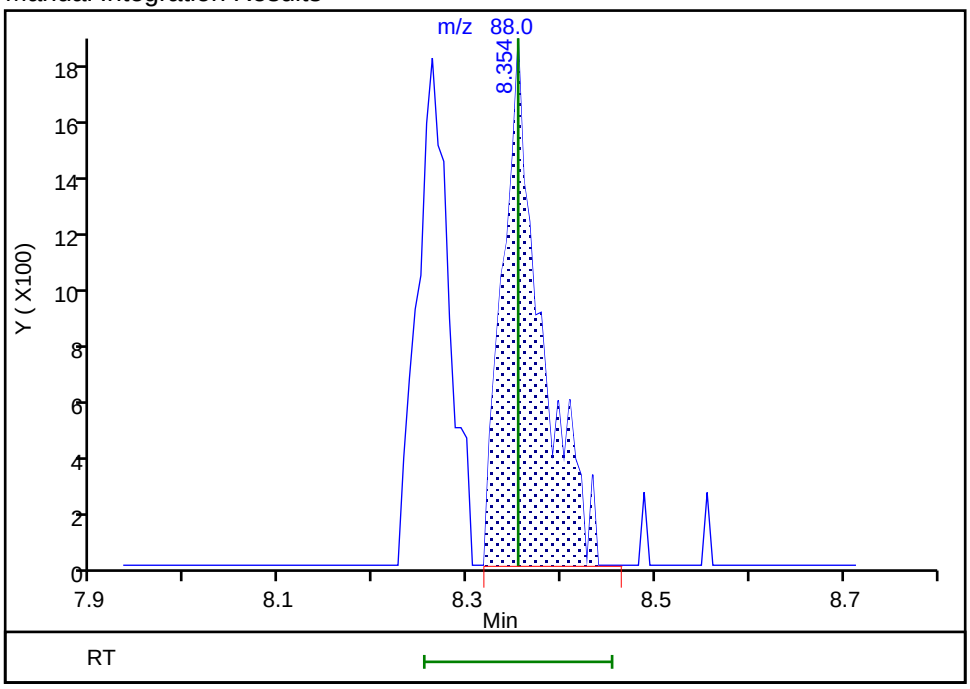
Processing Integration Results

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:

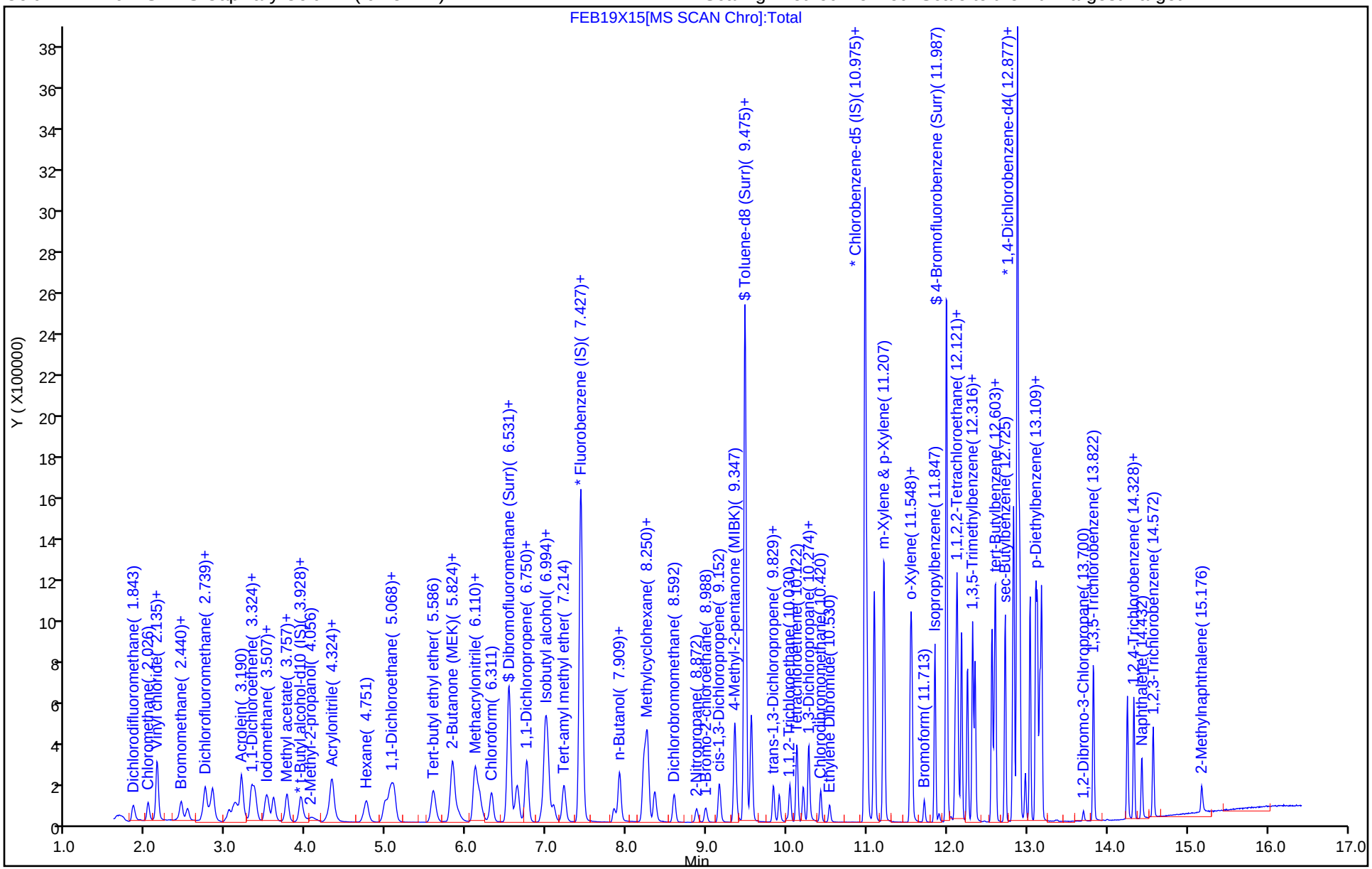
MSV_LL_#1_826_00117	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00194	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00127	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00084	Amount Added:	1.00	Units: uL	Run Reagent

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

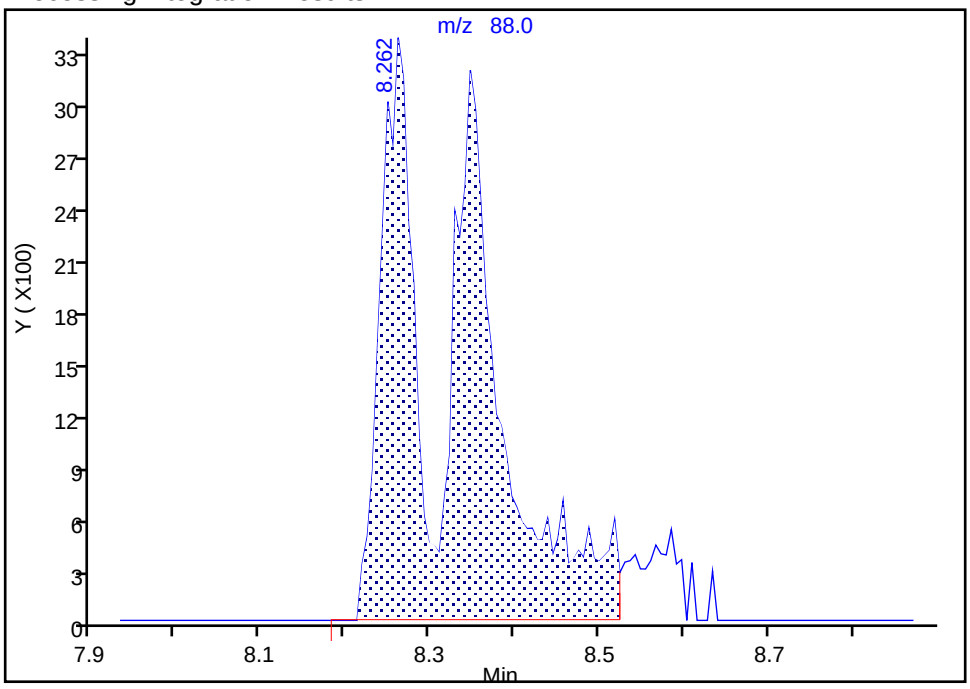
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X15.D
Injection Date: 20-Feb-2024 03:47:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

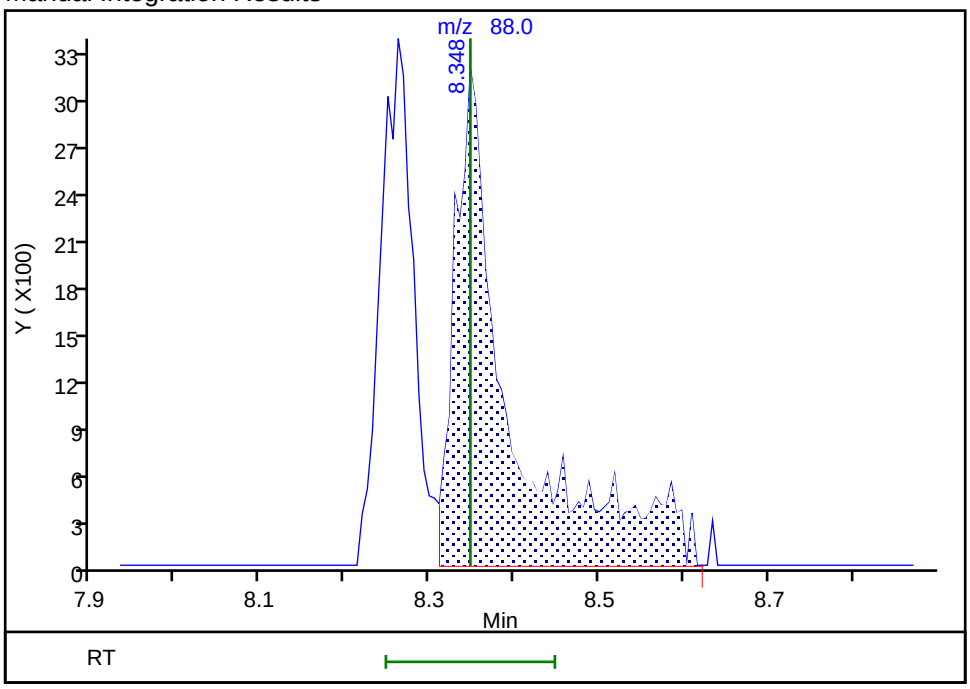
Processing Integration Results

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

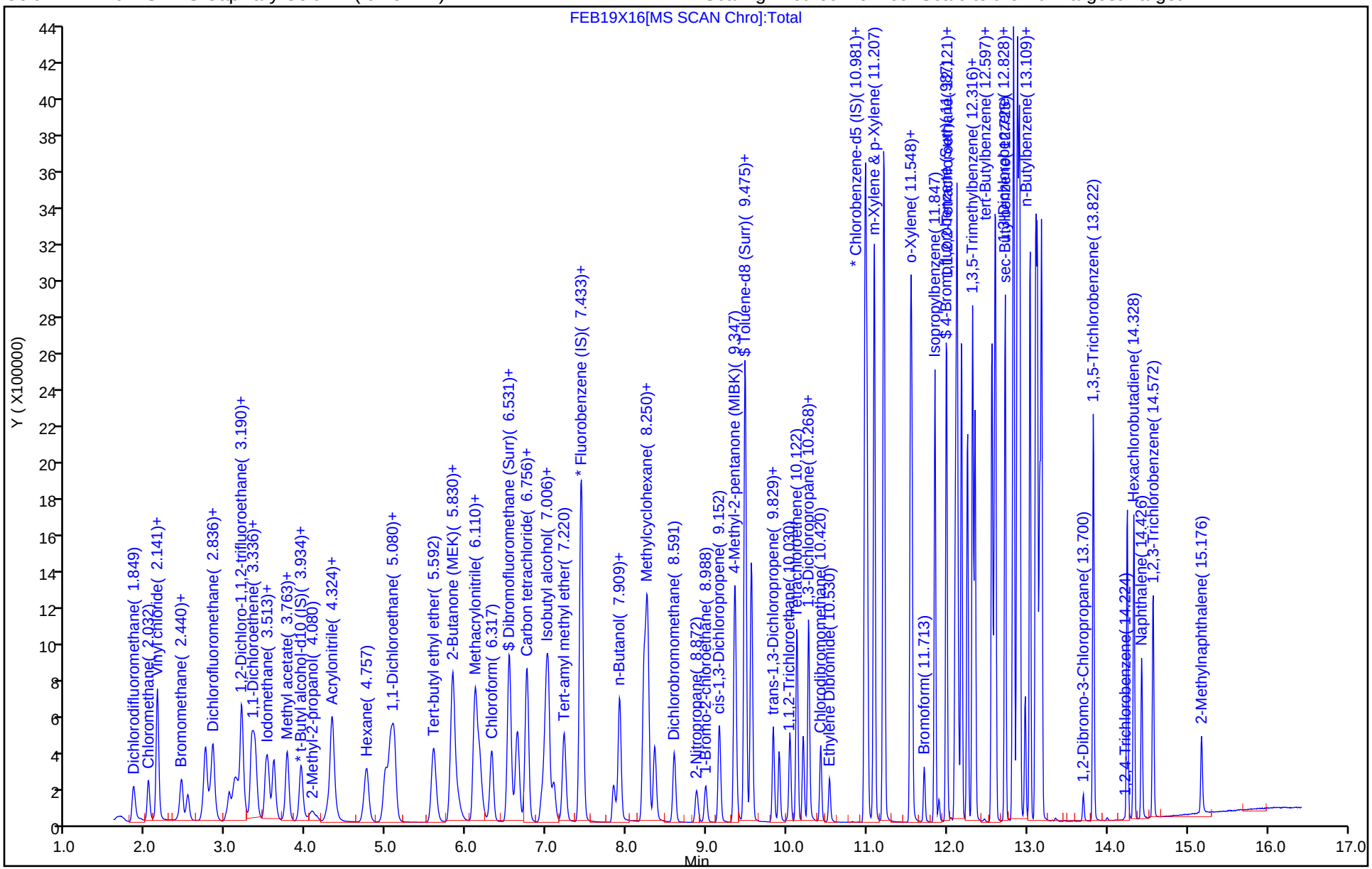
Report Date: 26-Feb-2024 13:08:02 Chrom Revision: 2.3 23-Feb-2024 16:51:14

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

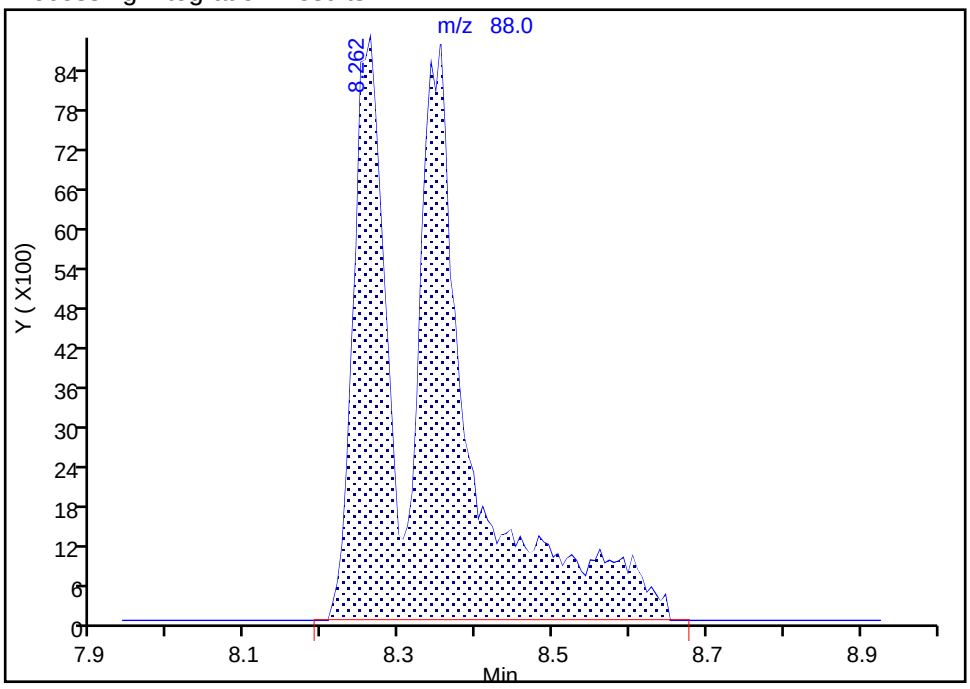
Data File:	\\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X16.D				
Injection Date:	20-Feb-2024 04:09:30	Instrument ID:	16334		
Lims ID:	IC std5				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit 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

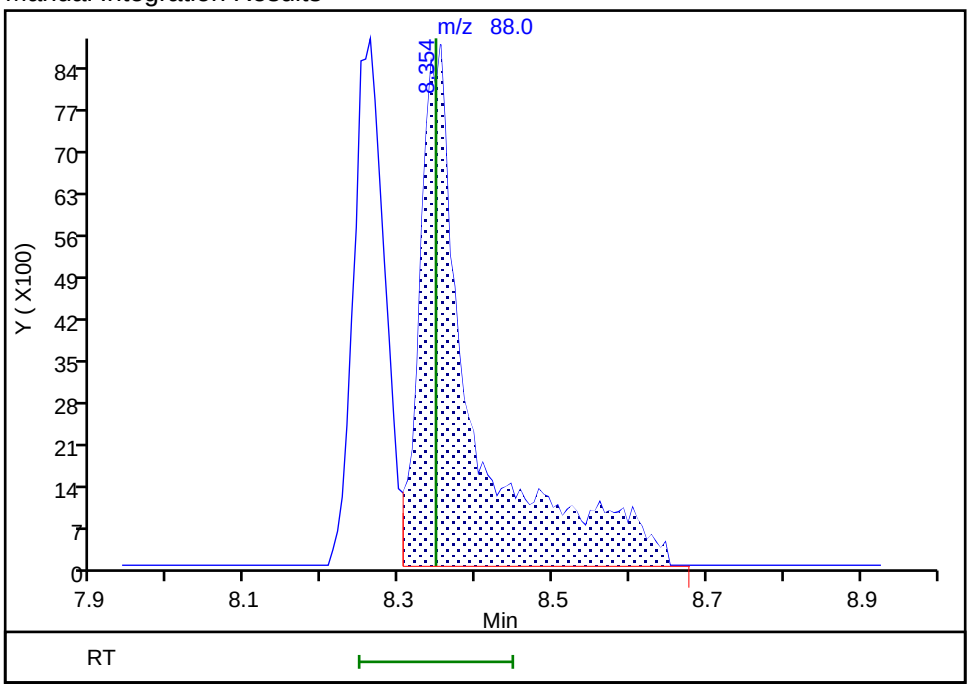
Processing Integration Results

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

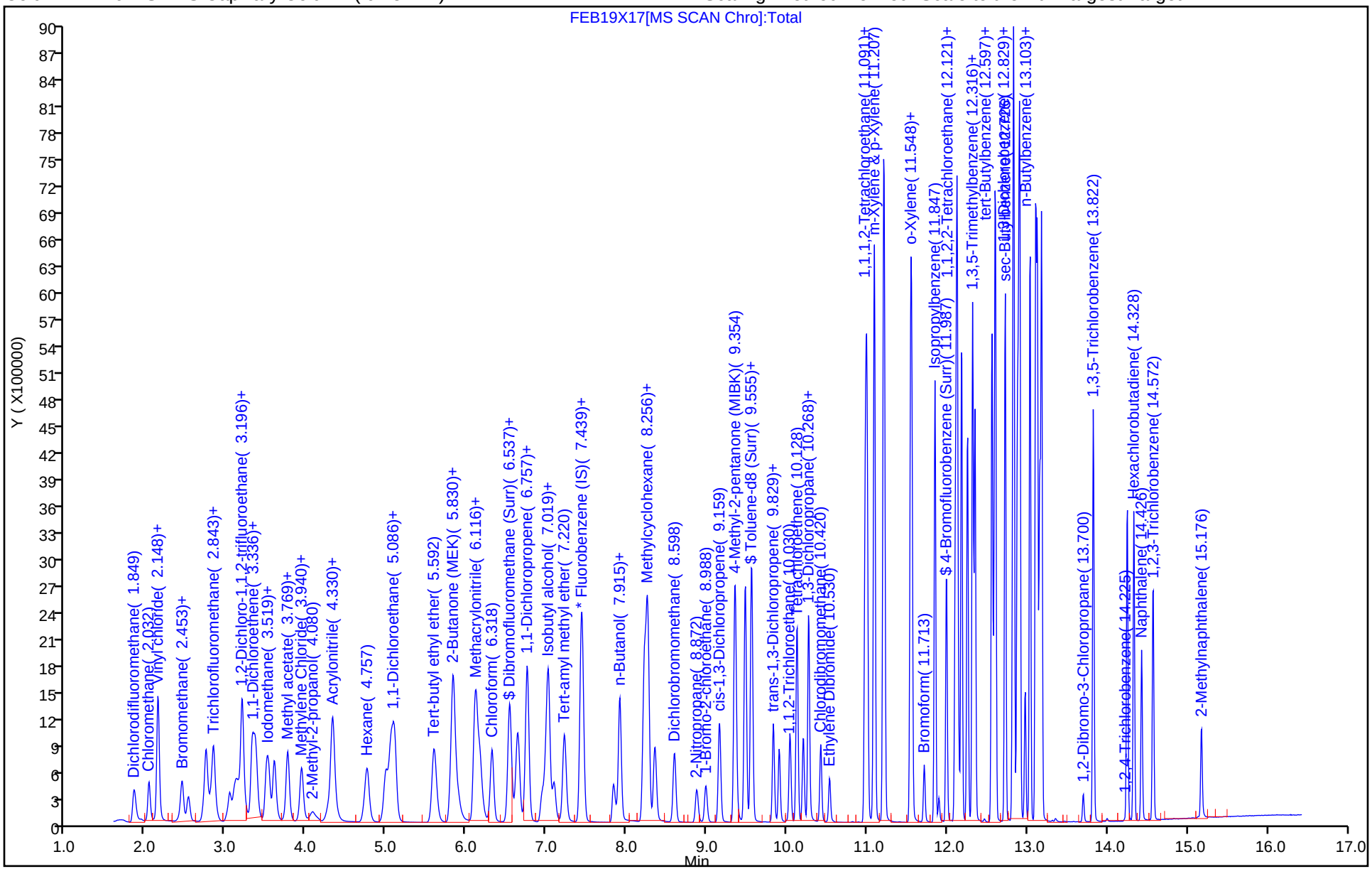
Report Date: 26-Feb-2024 13:06:54 Chrom Revision: 2.3 23-Feb-2024 16:51:14

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

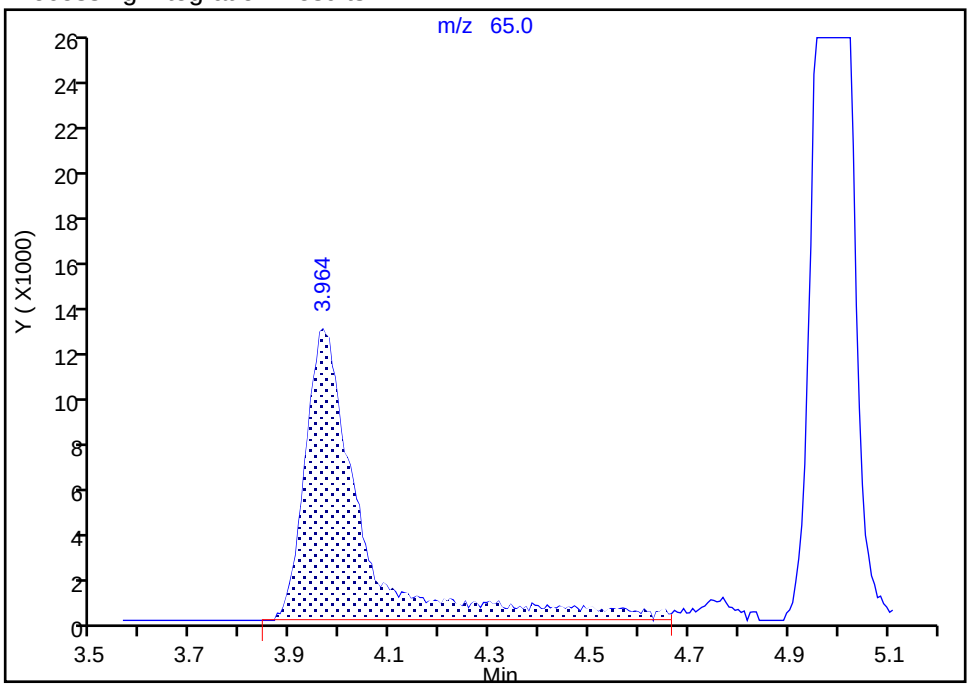
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X17.D
Injection Date: 20-Feb-2024 04:31:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 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

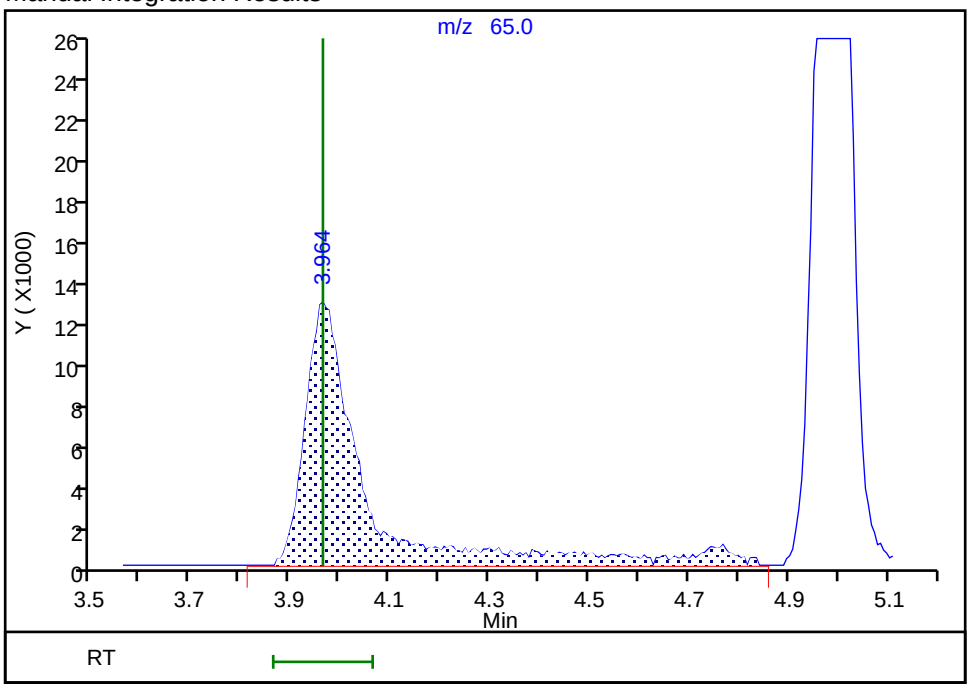
Processing Integration Results

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

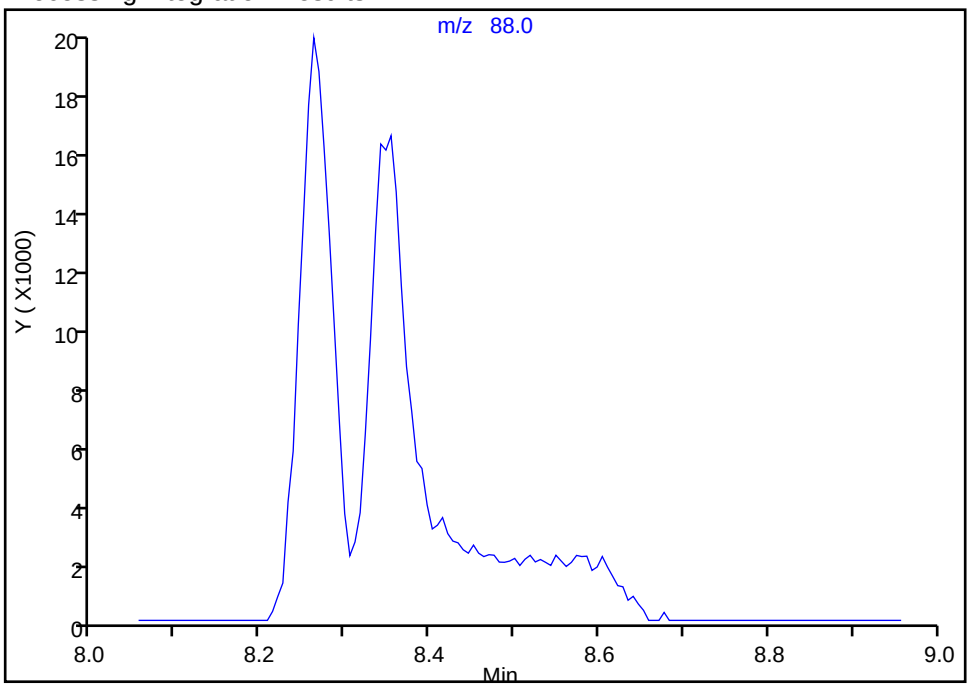
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X17.D
Injection Date: 20-Feb-2024 04:31:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

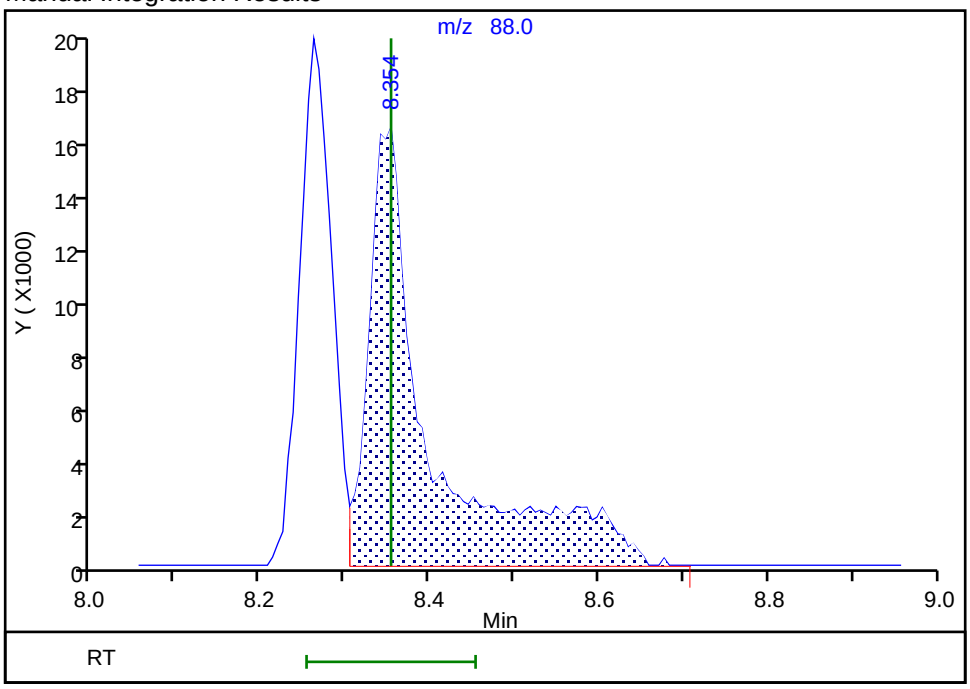
Not Detected
Expected RT: 8.35

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

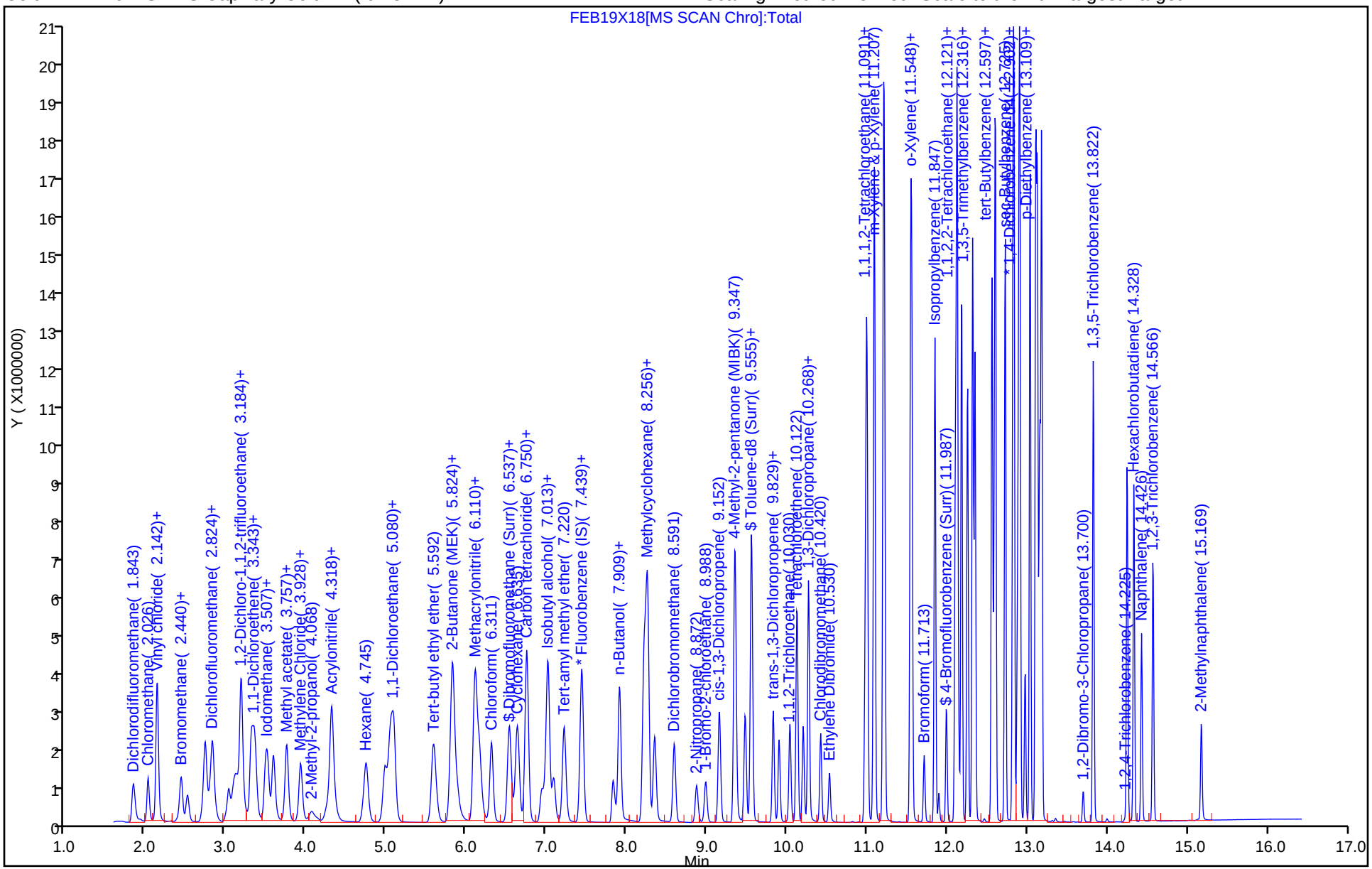
Report Date: 26-Feb-2024 13:08:09 Chrom Revision: 2.3 23-Feb-2024 16:51:14

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

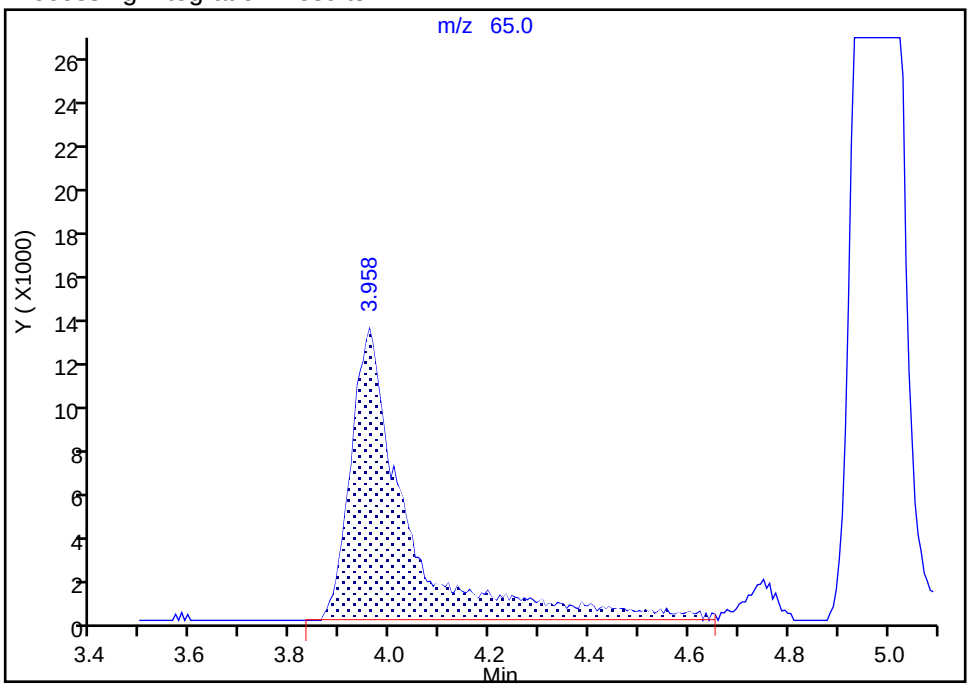
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D
Injection Date: 20-Feb-2024 04:53:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 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

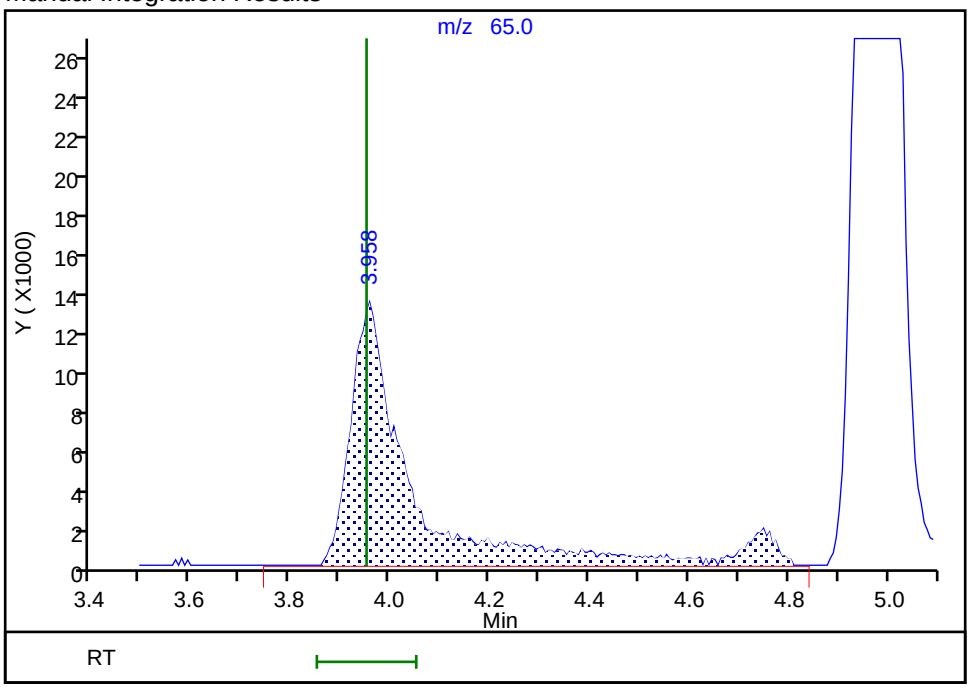
Processing Integration Results

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

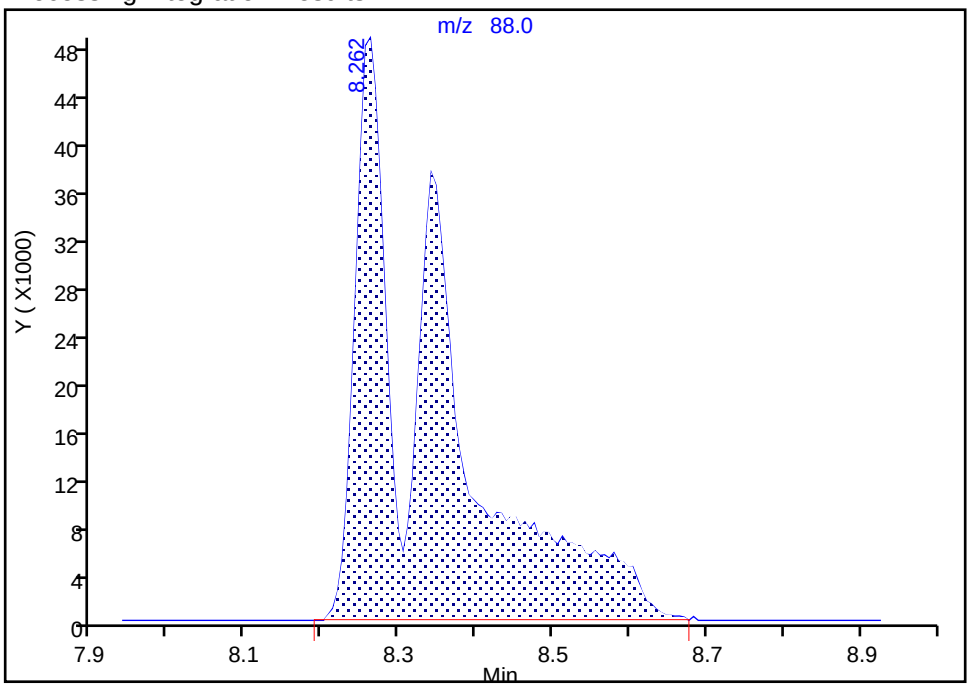
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X18.D
Injection Date: 20-Feb-2024 04:53:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

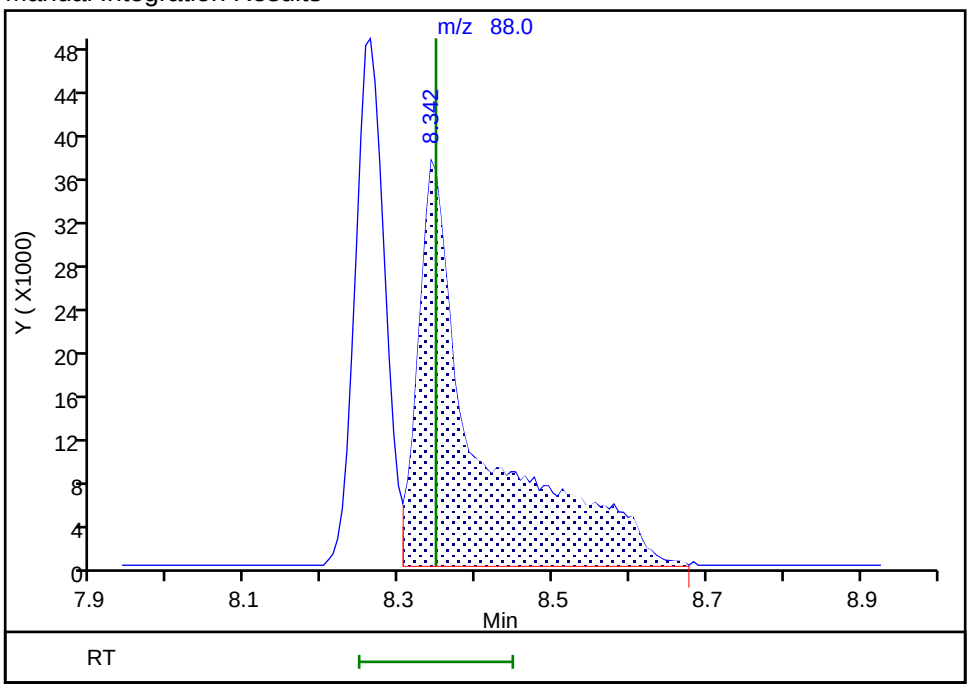
Processing Integration Results

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

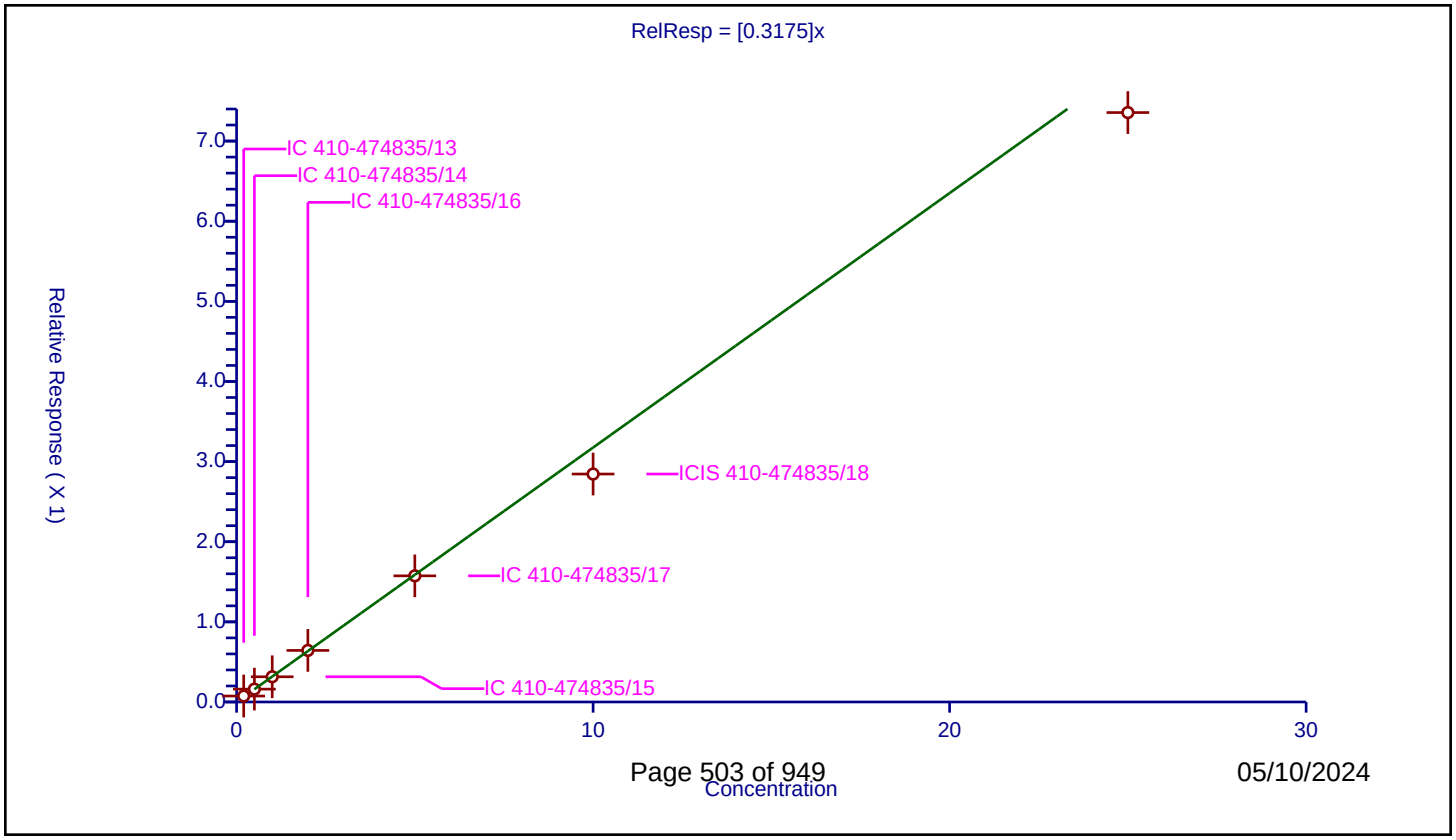
Curve Coefficients

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

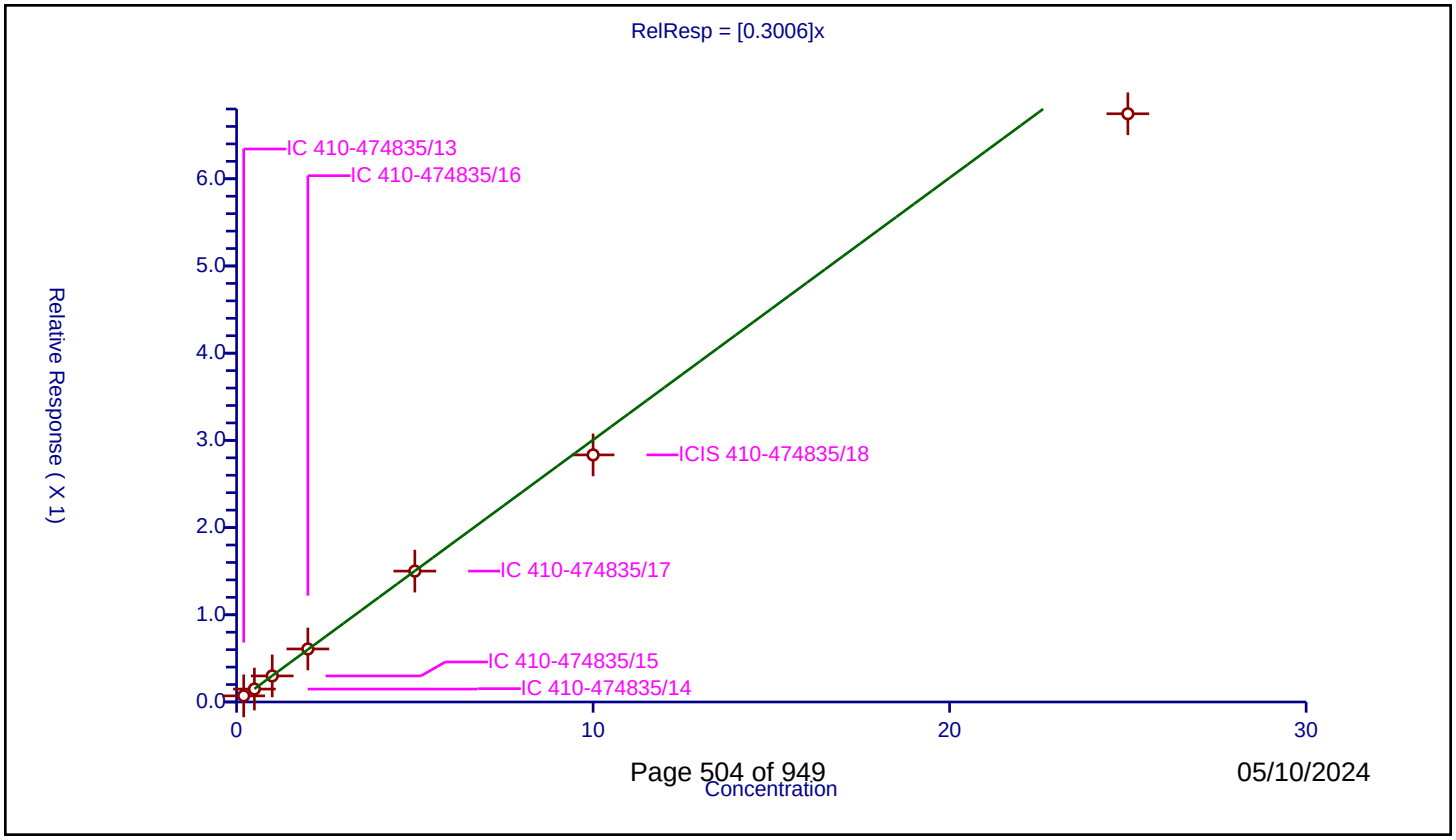
Curve Coefficients

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

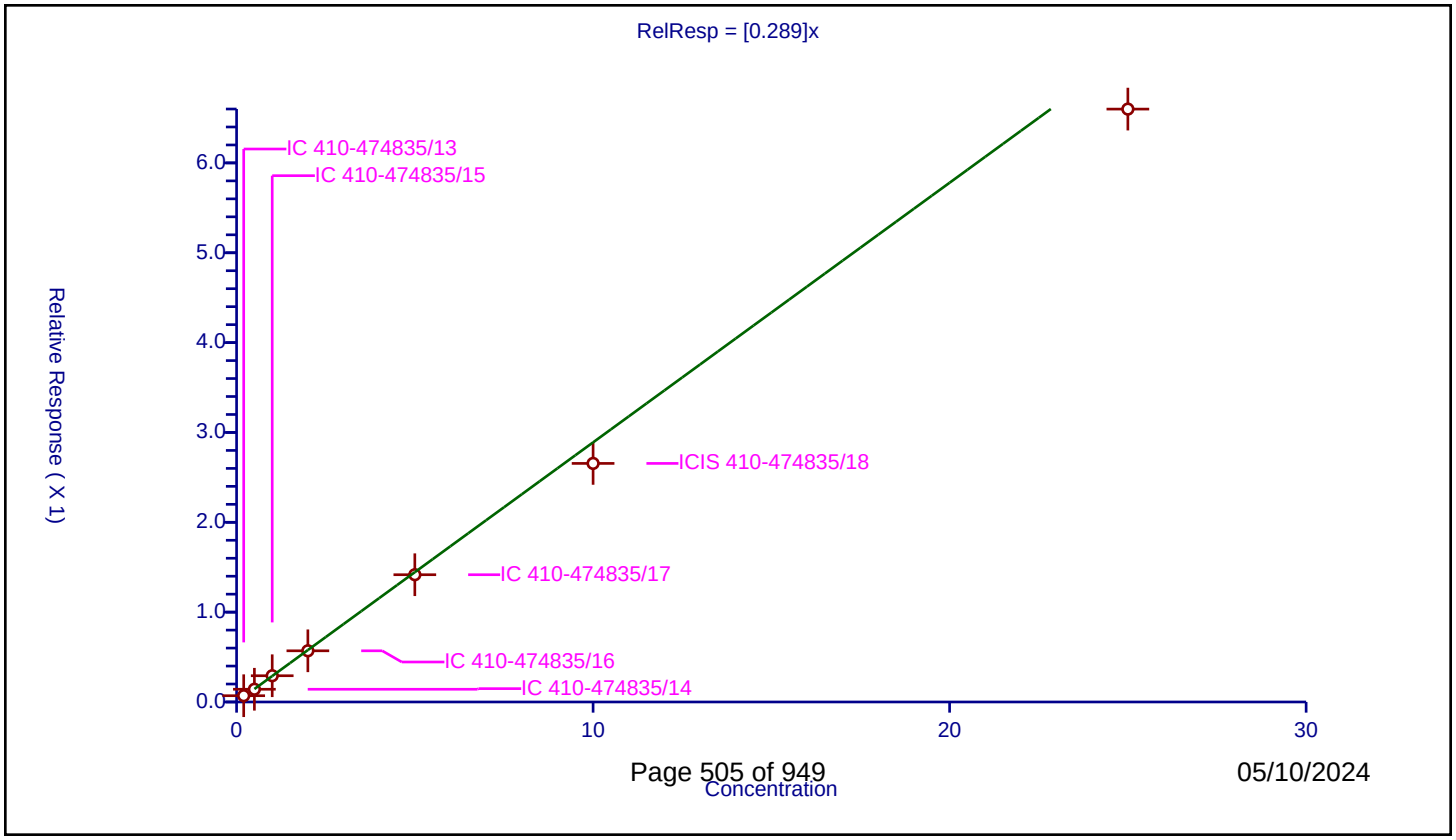
Curve Coefficients

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

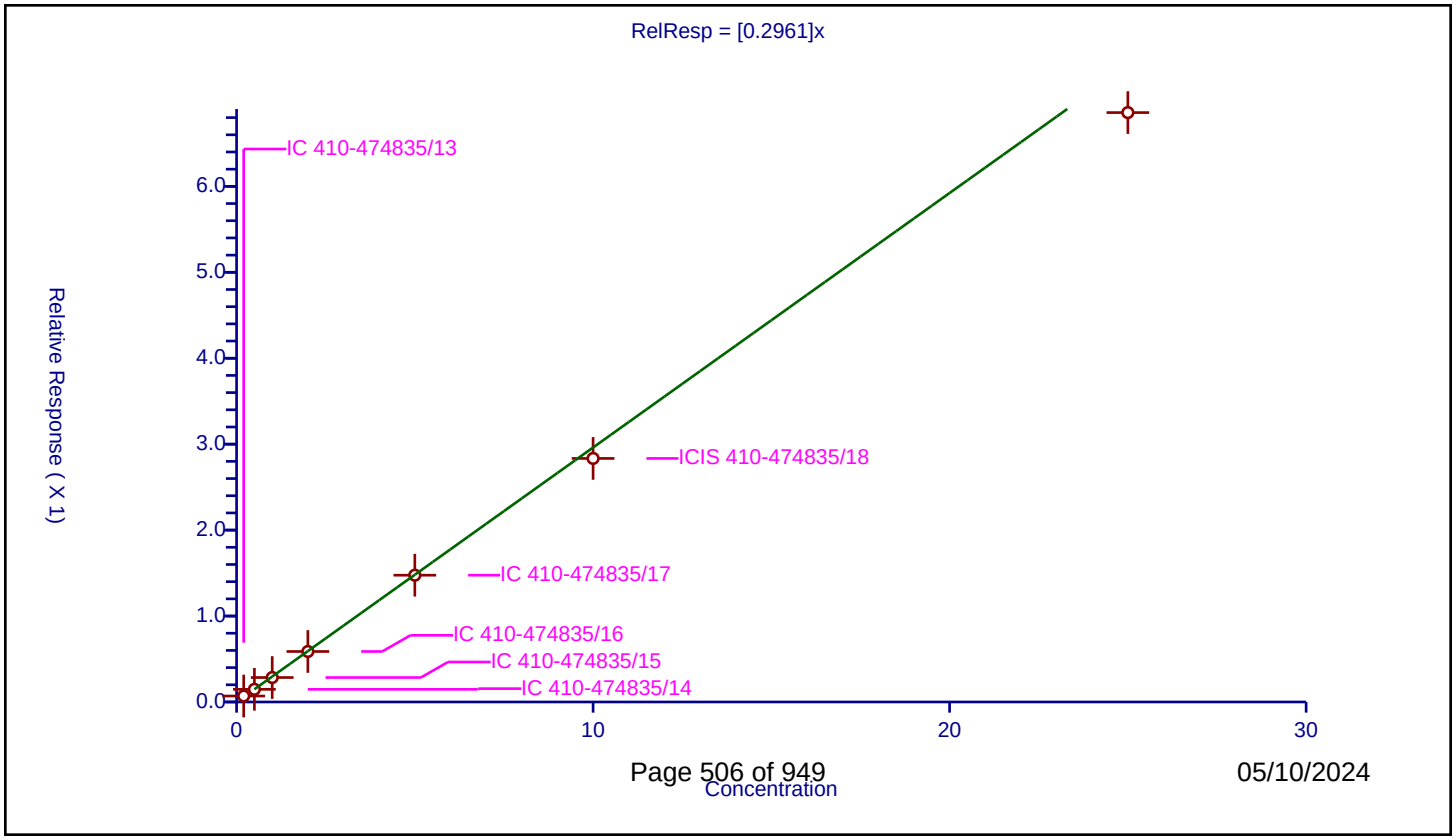
Curve Coefficients

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

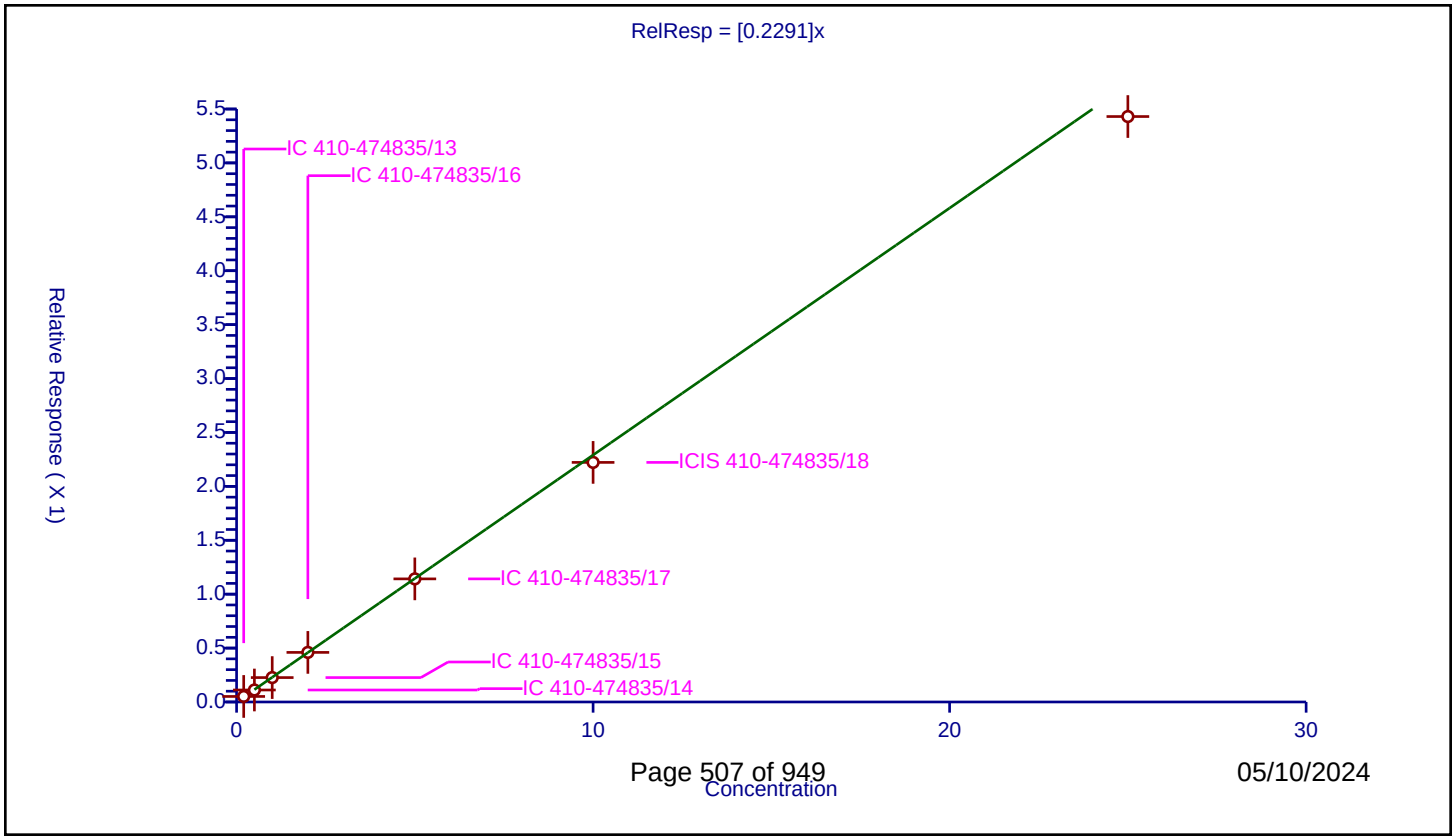
Curve Coefficients

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

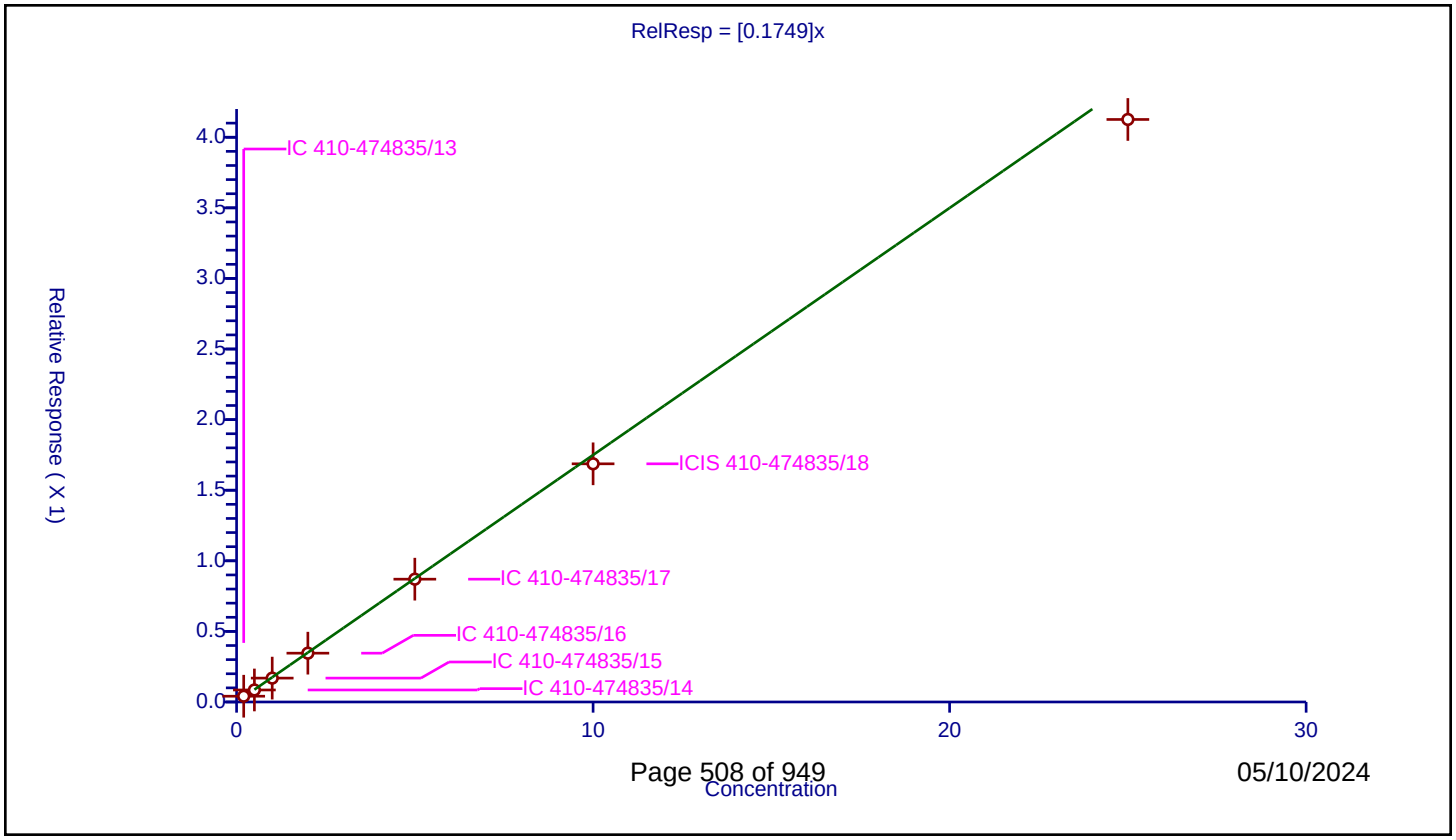
Curve Coefficients

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

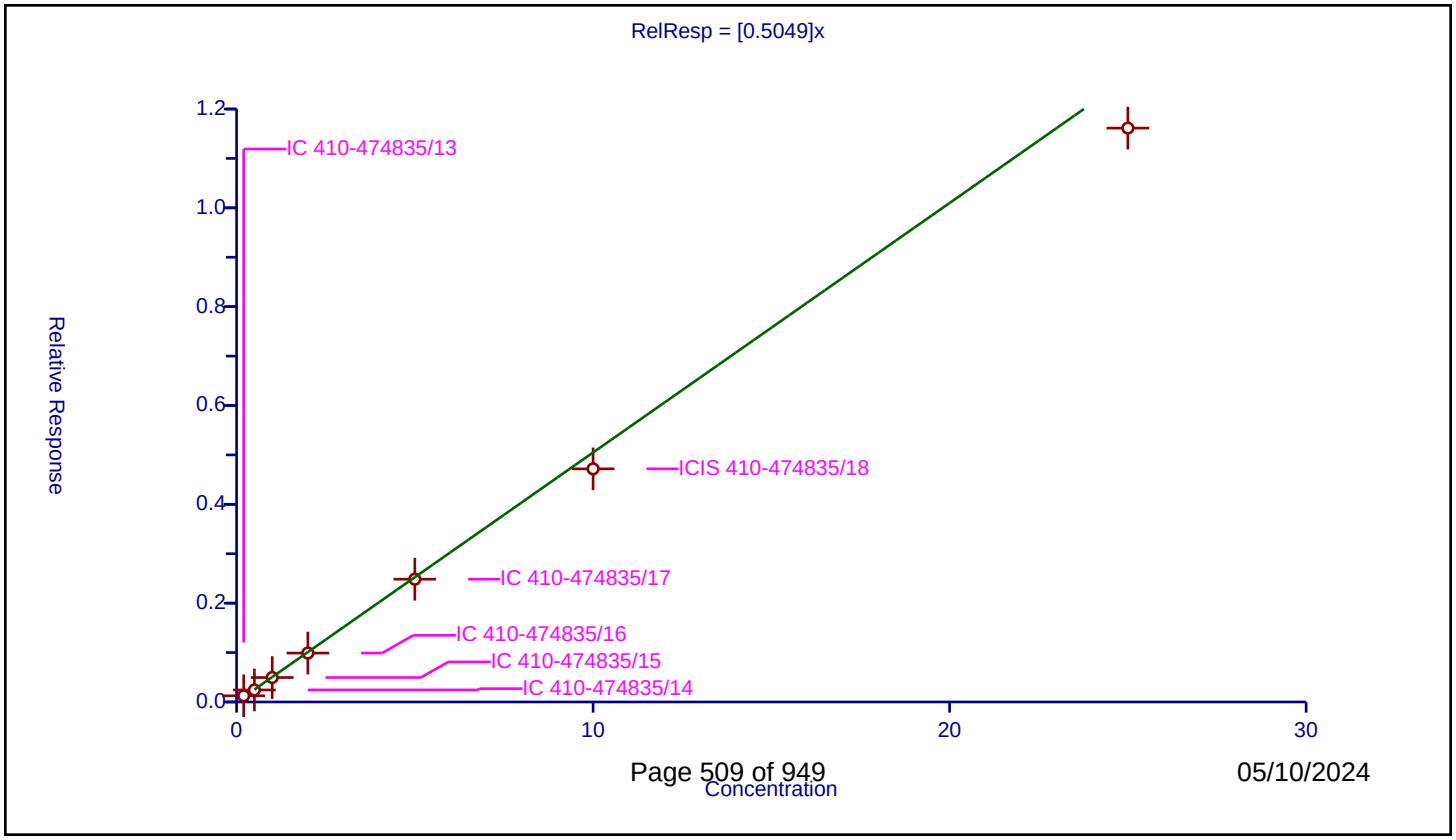
Curve Coefficients

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

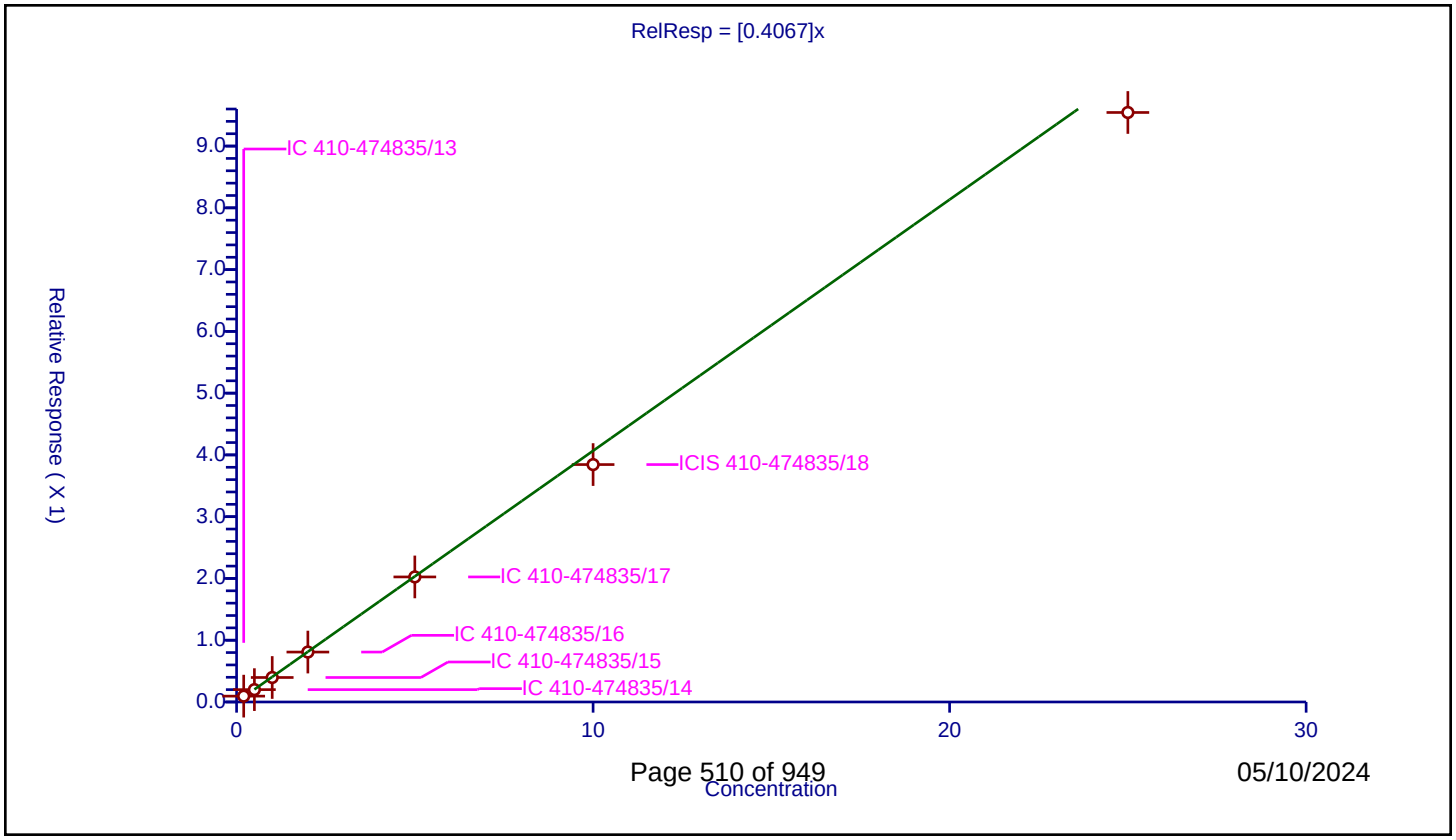
Curve Coefficients

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

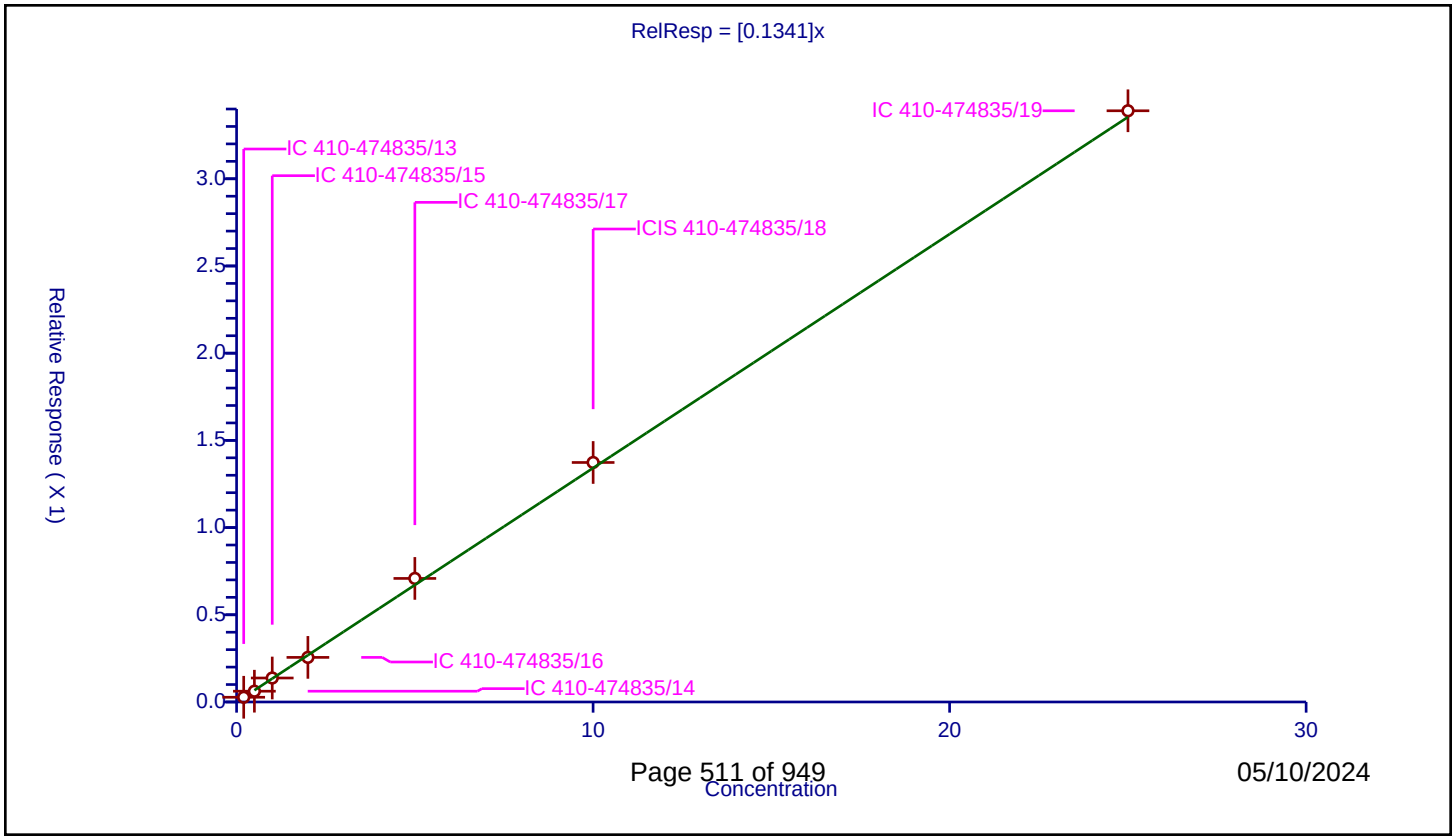
Curve Coefficients

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

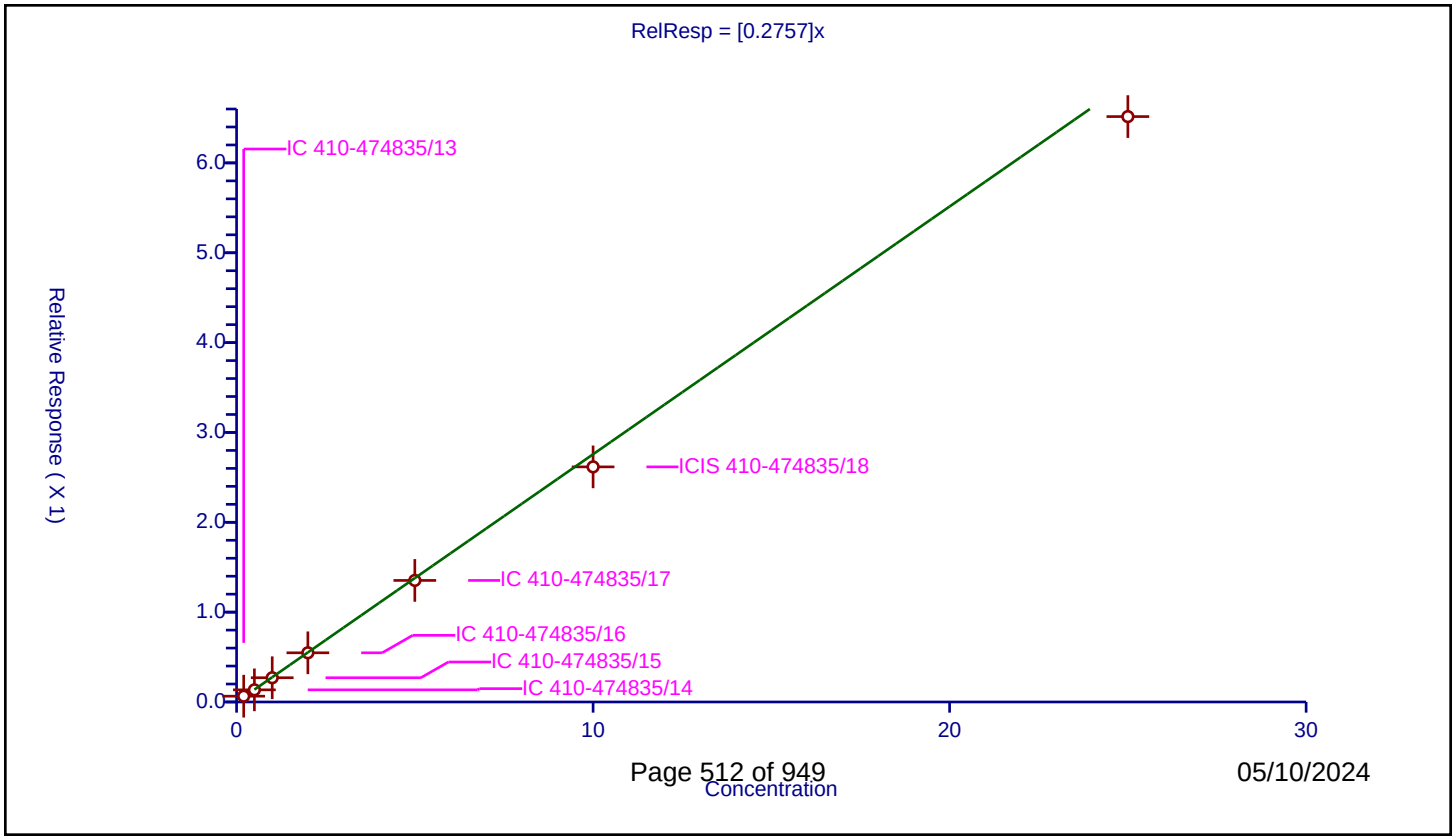
Curve Coefficients

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

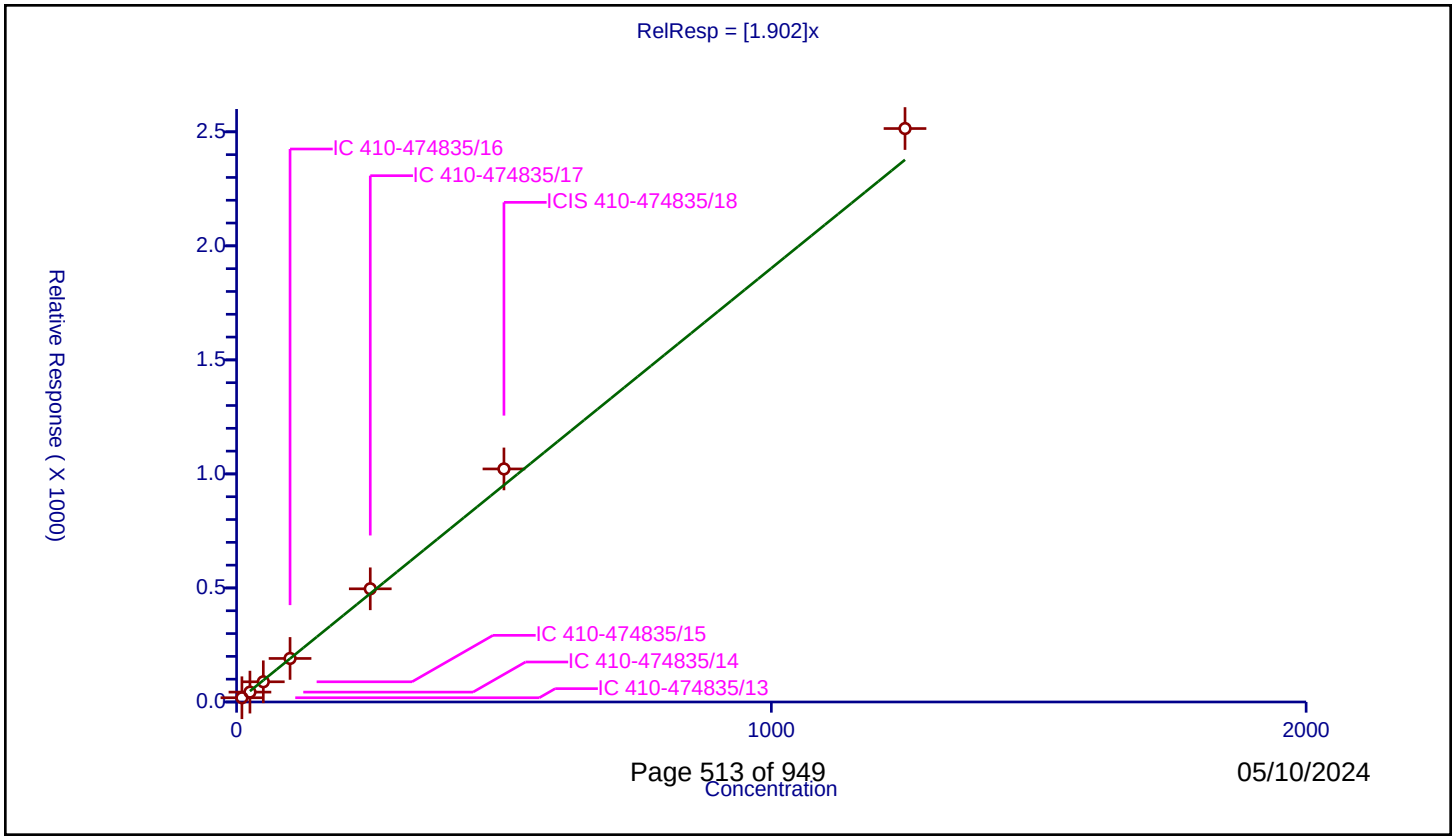
Curve Coefficients

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

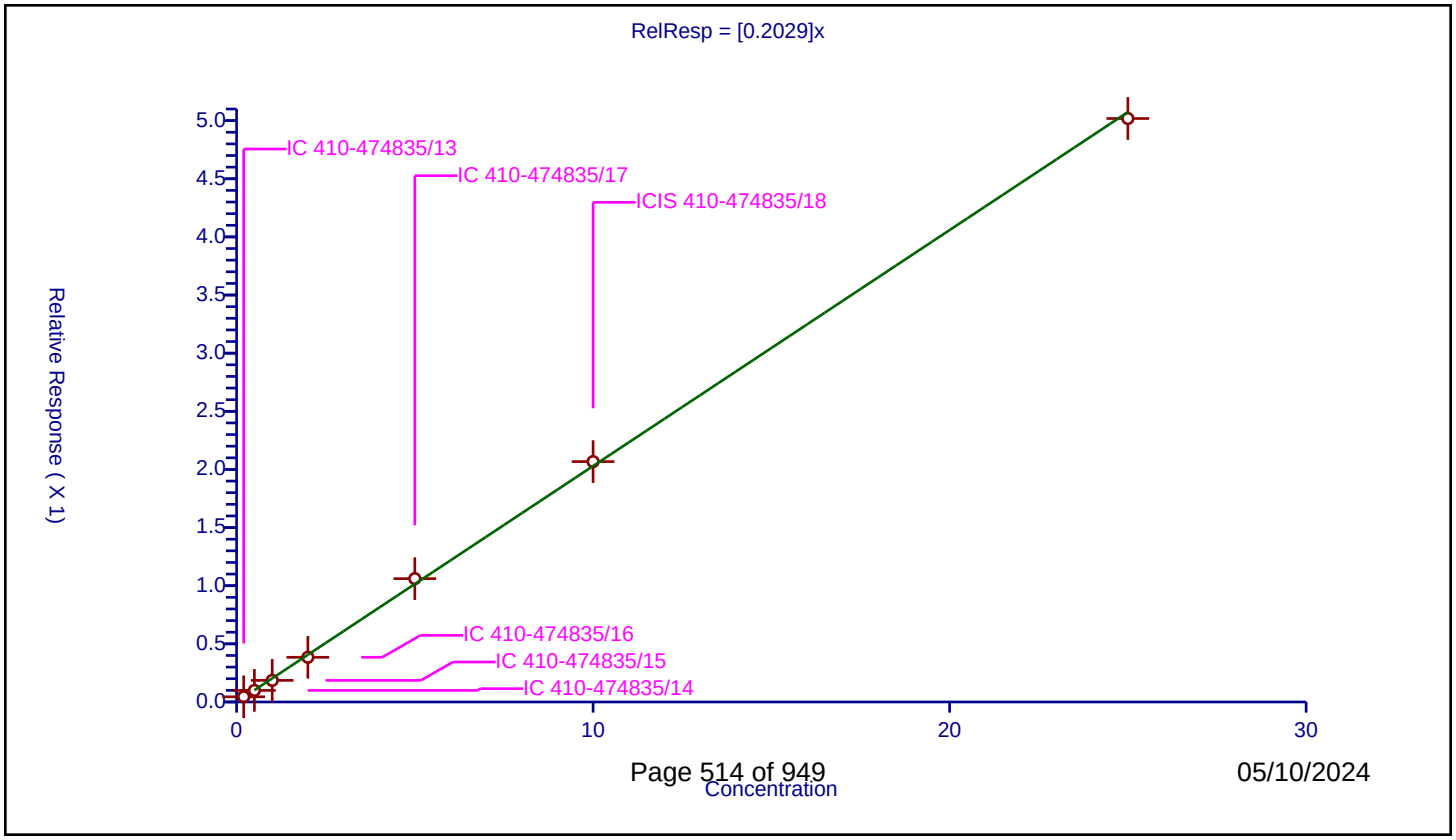
Curve Coefficients

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

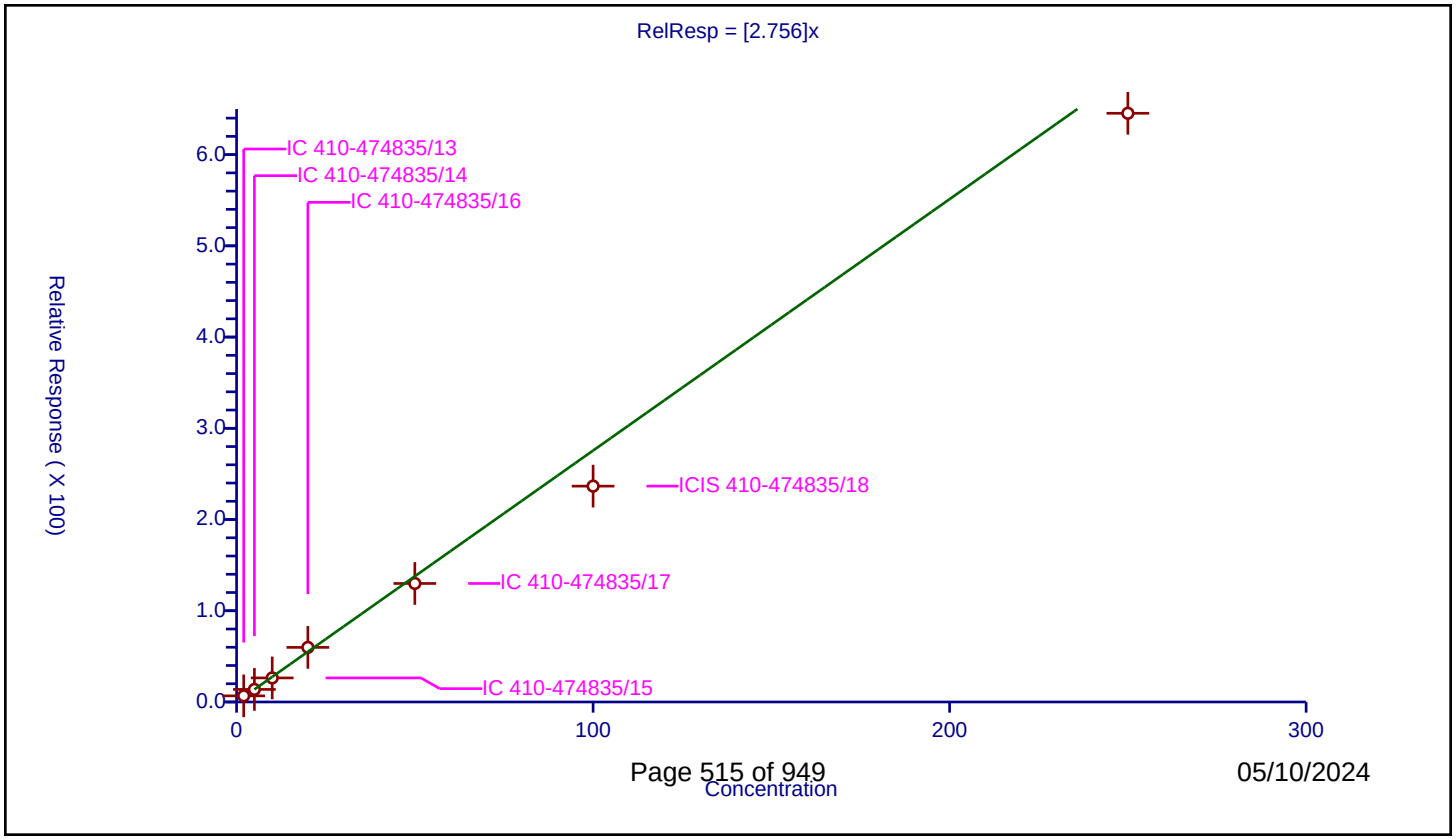
Curve Coefficients

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

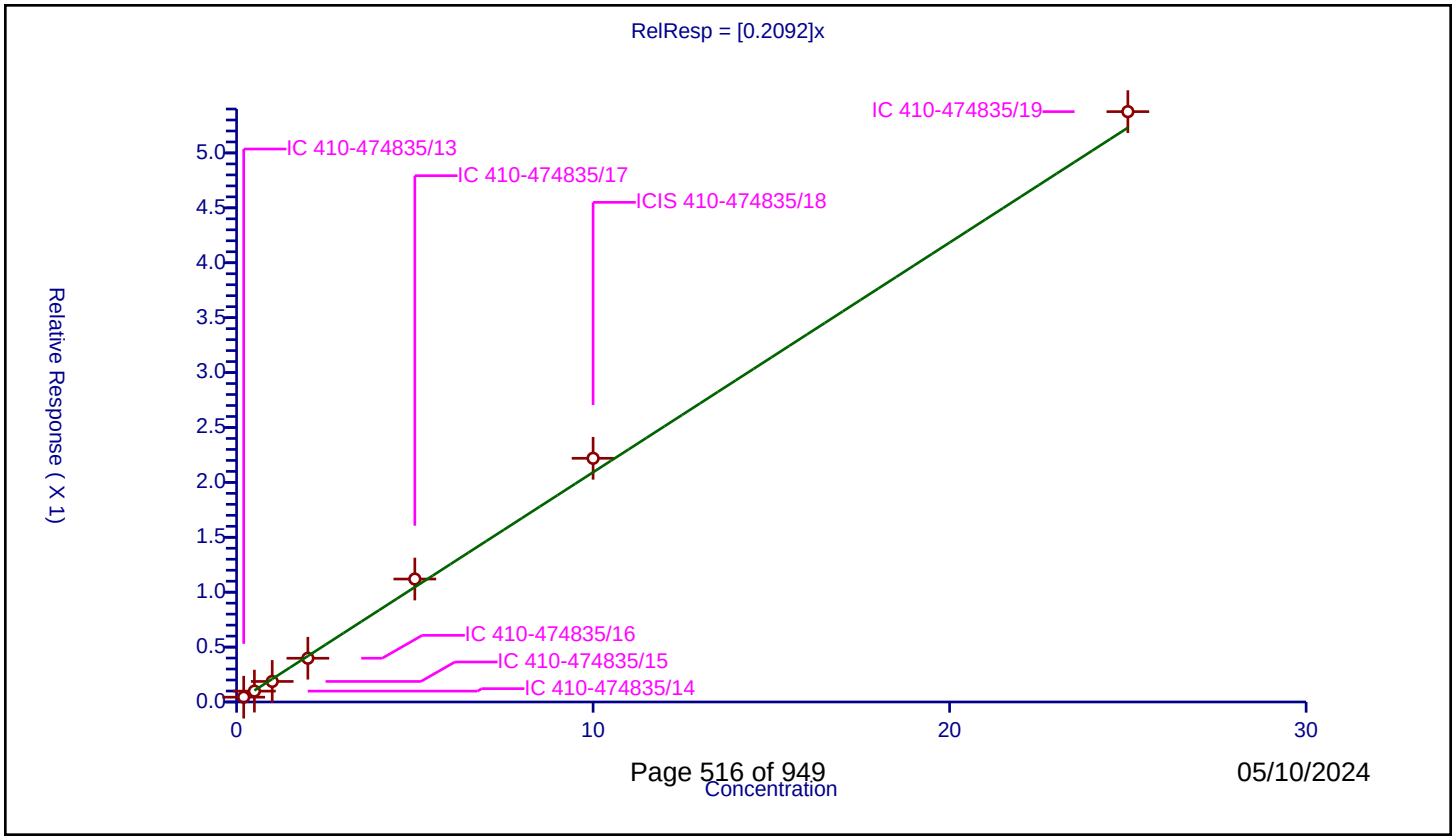
Curve Coefficients

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

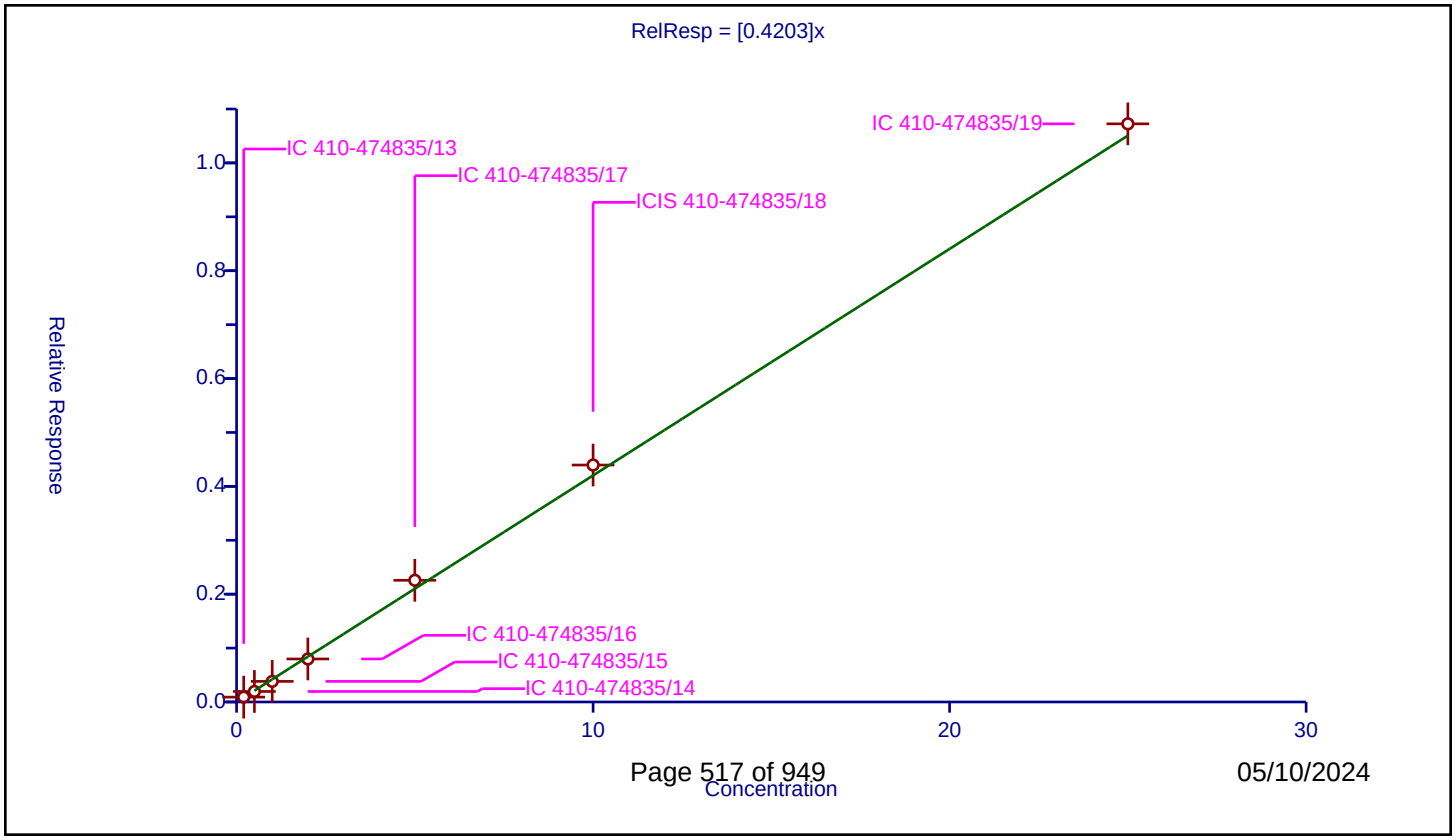
Curve Coefficients

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

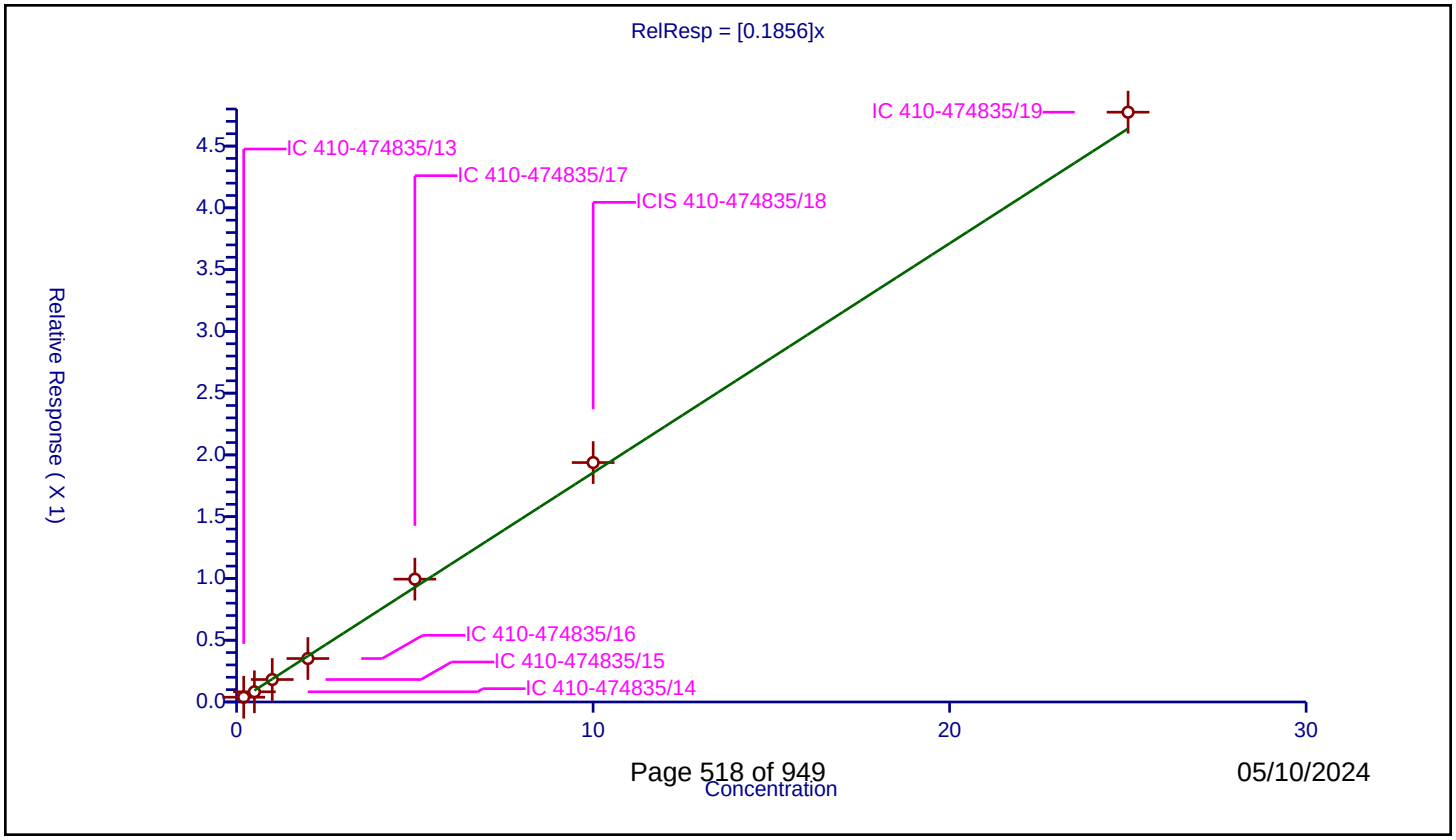
Curve Coefficients

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

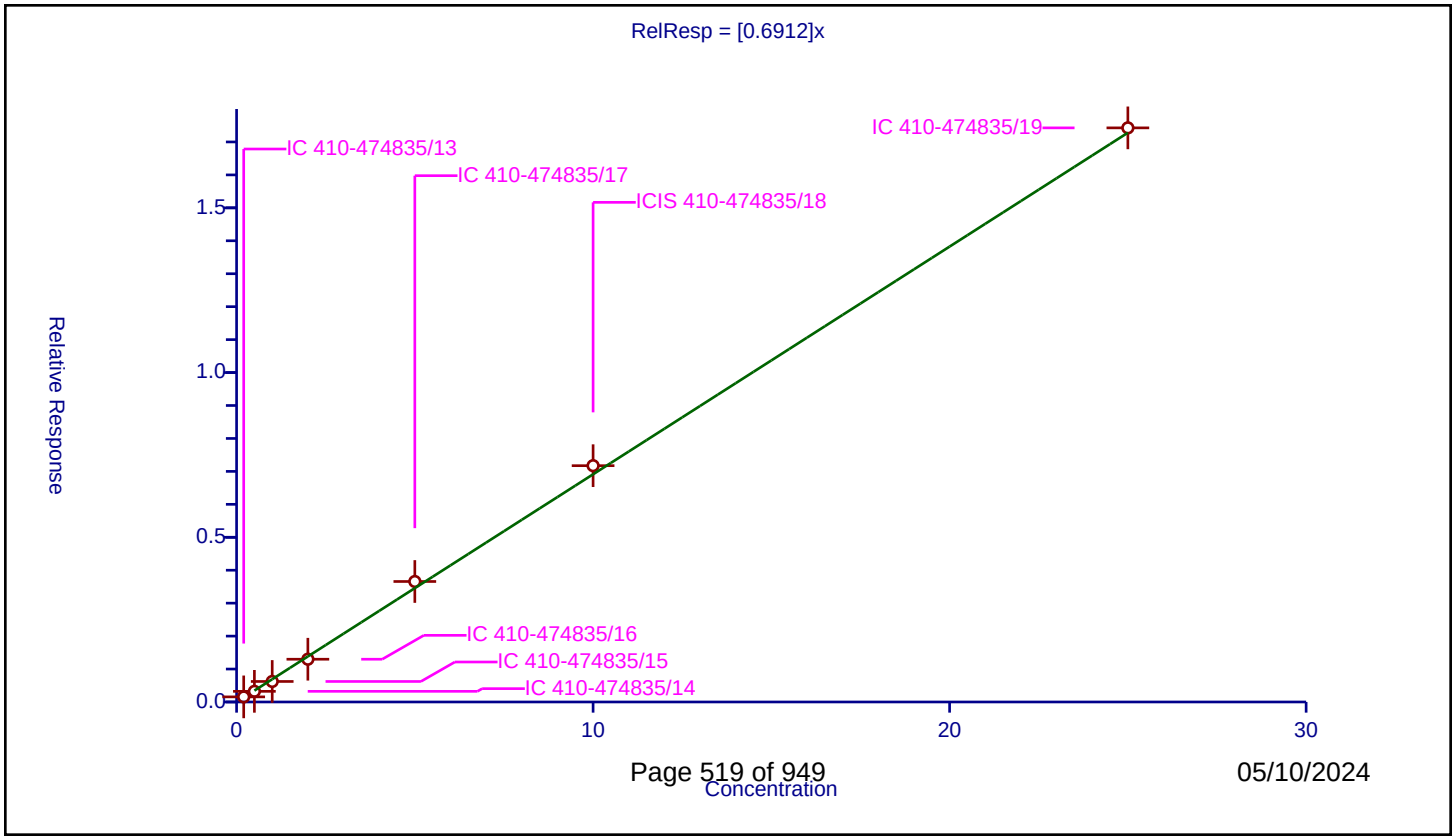
Curve Coefficients

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

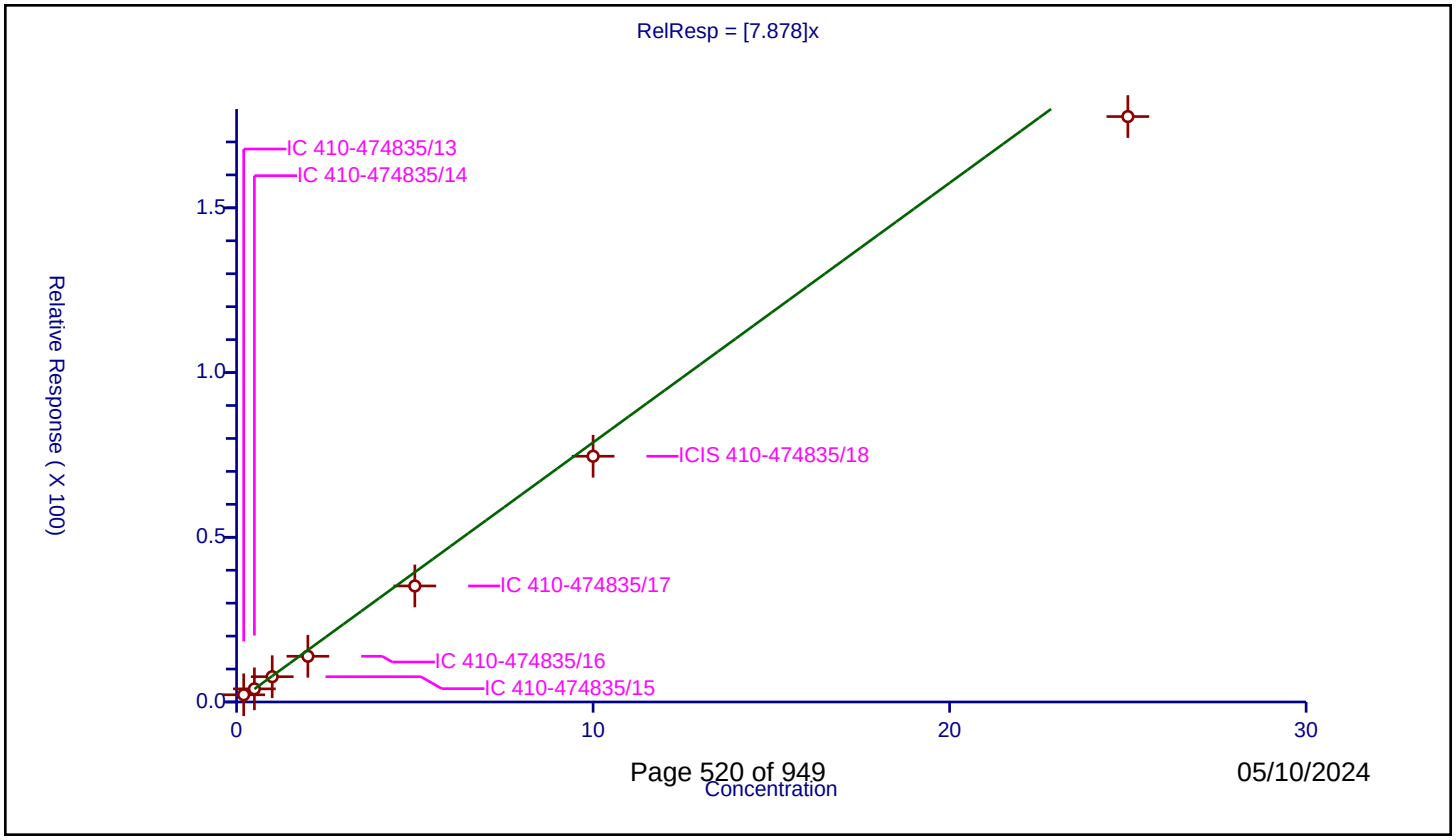
Curve Coefficients

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

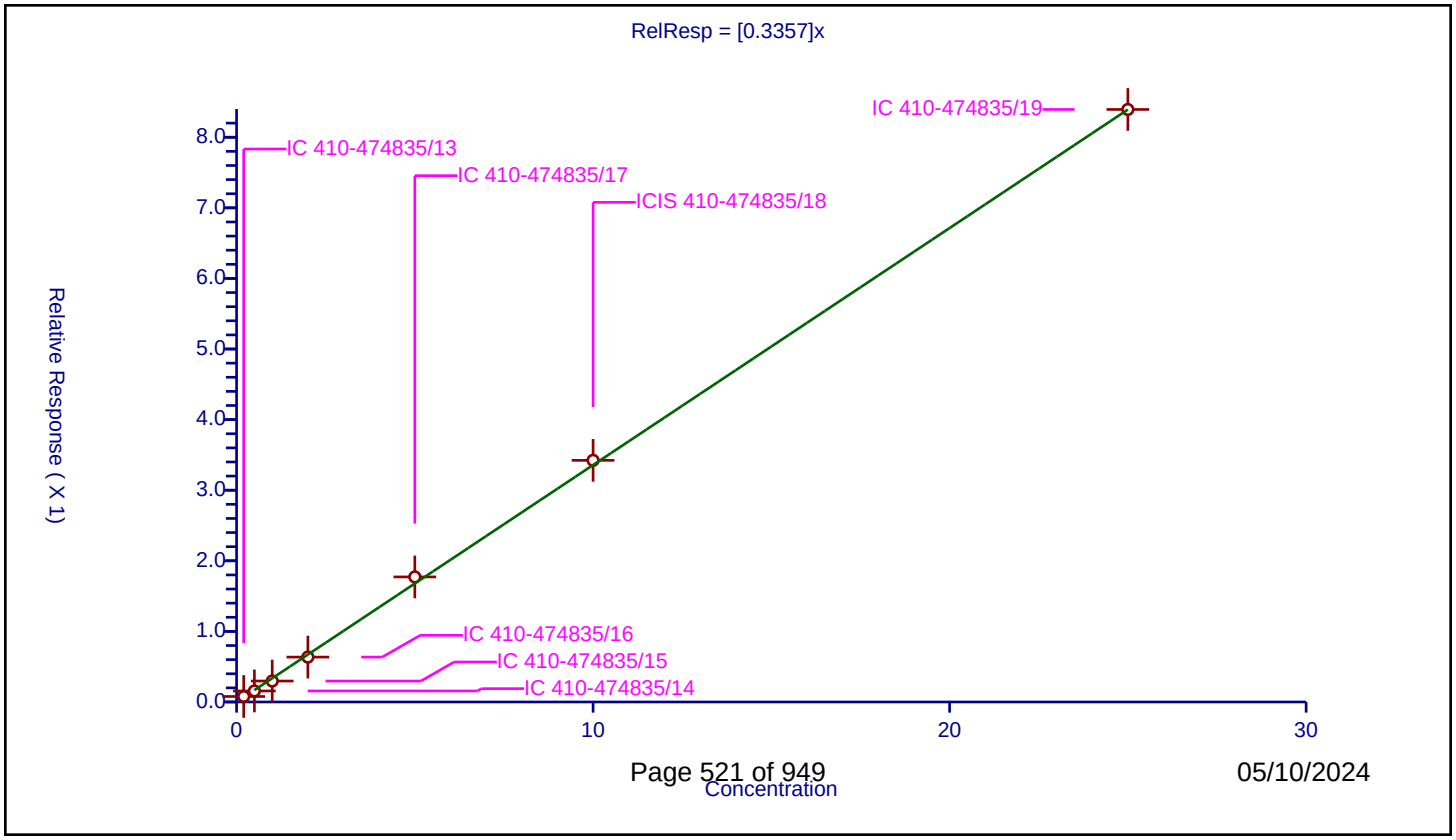
Curve Coefficients

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

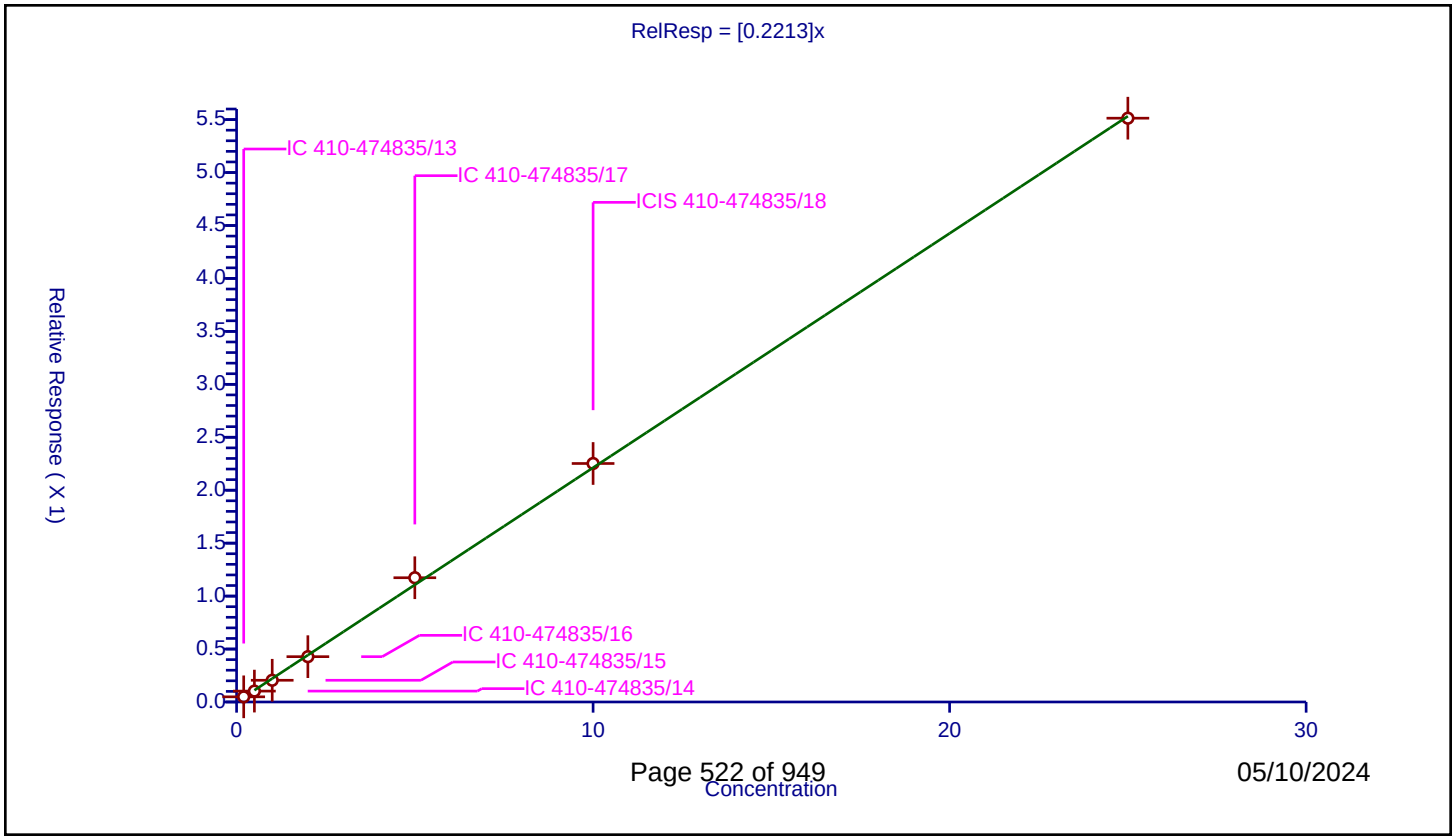
Curve Coefficients

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

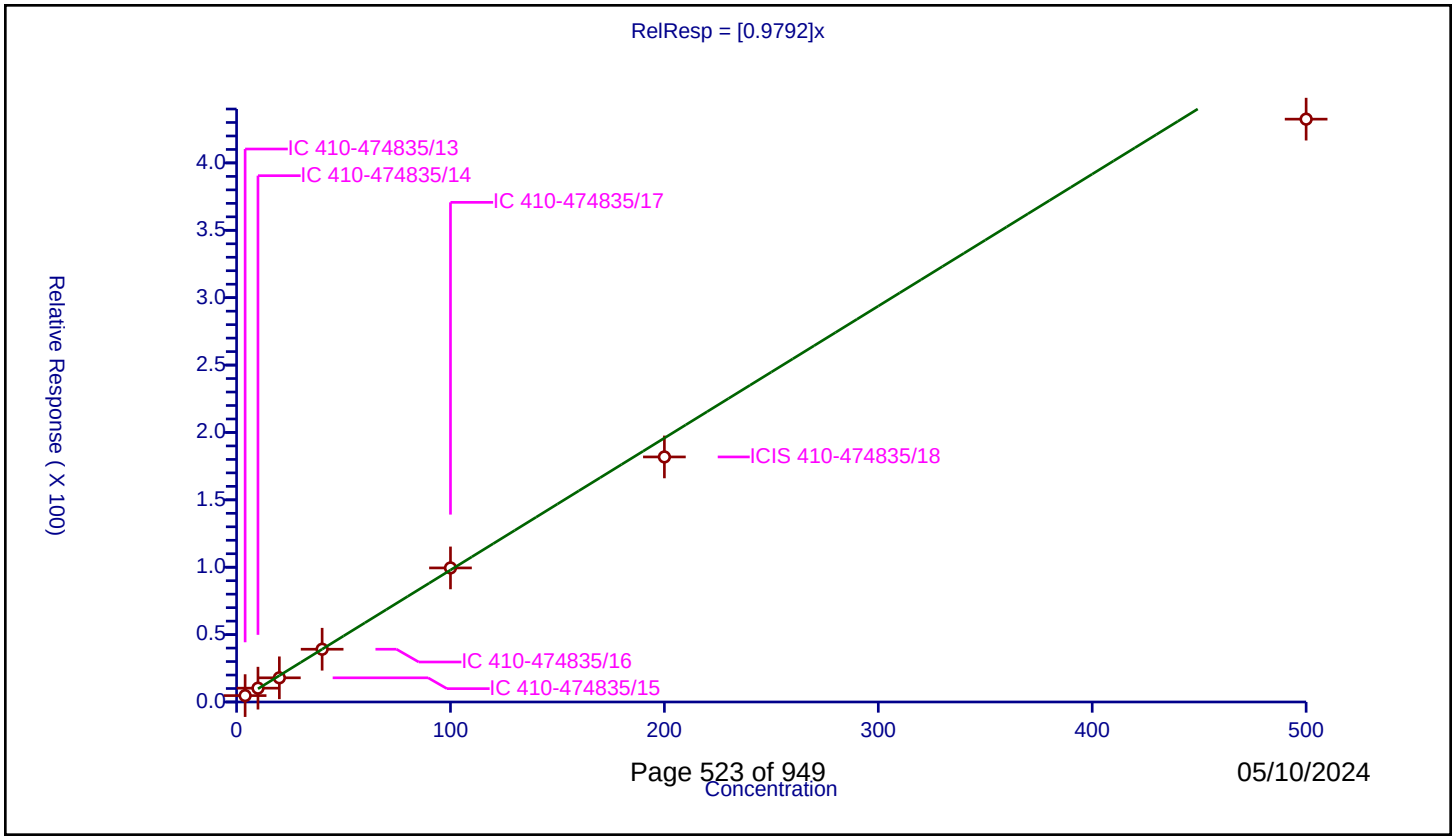
Curve Coefficients

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

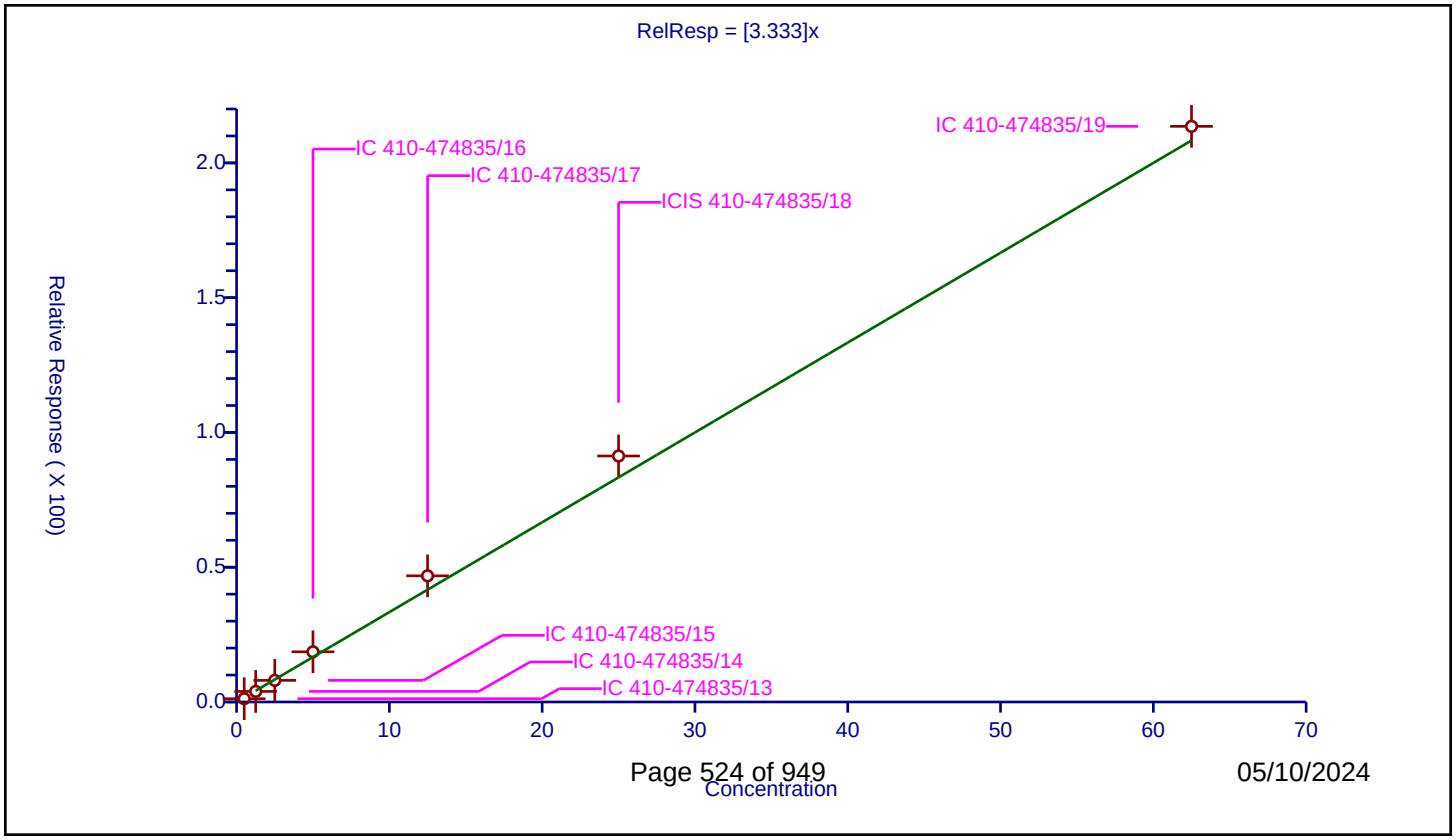
Curve Coefficients

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

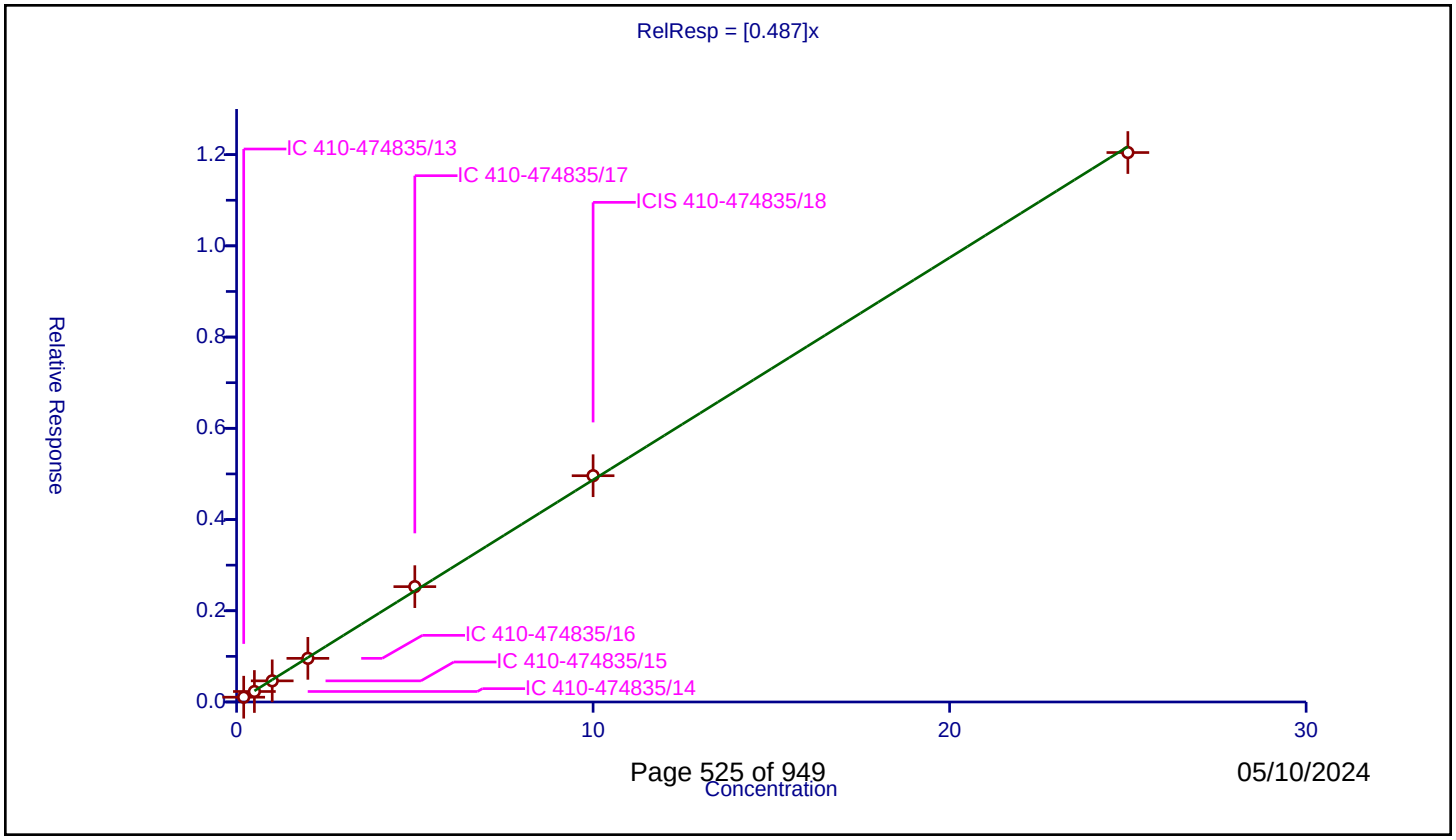
Curve Coefficients

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

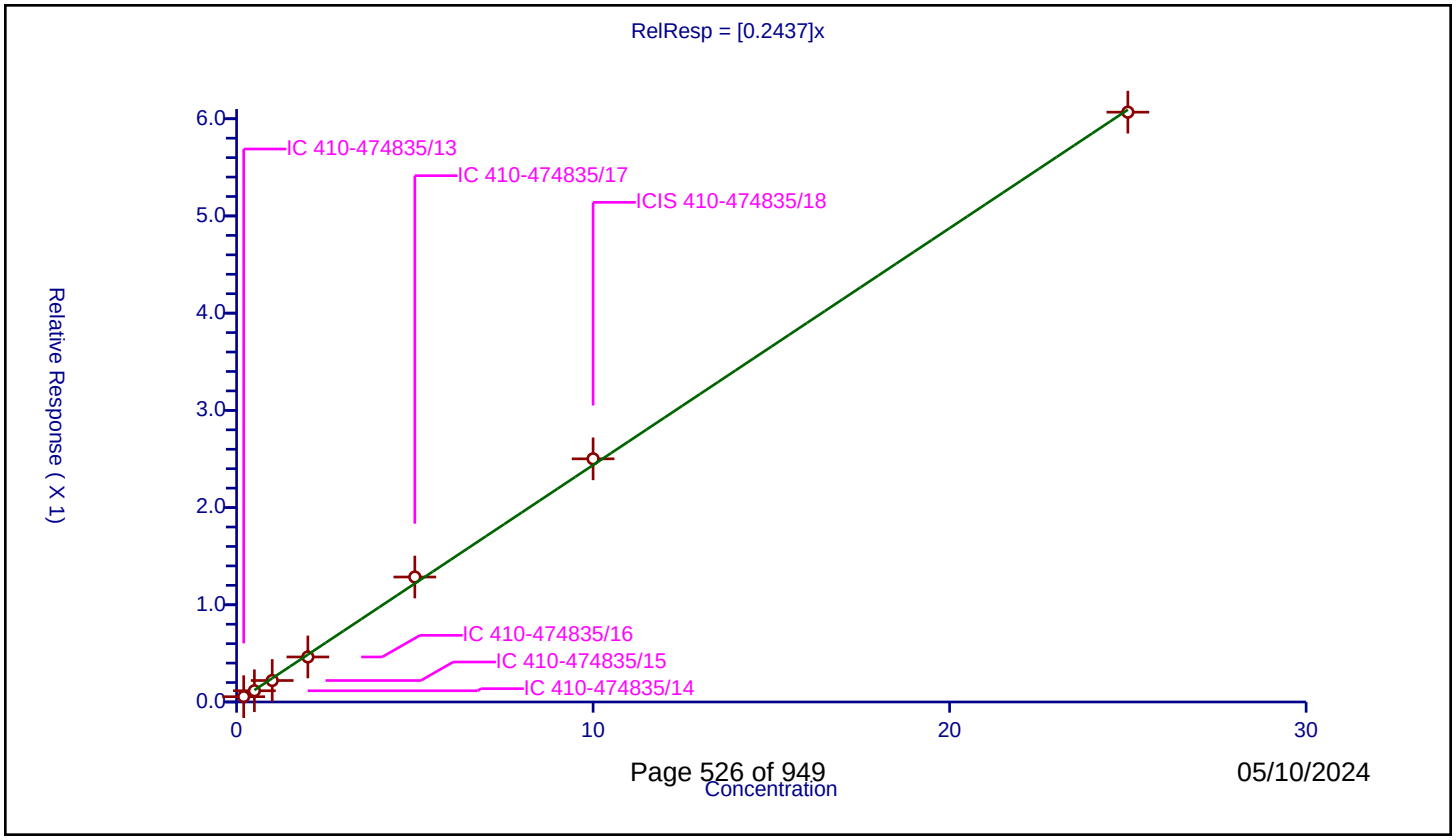
Curve Coefficients

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

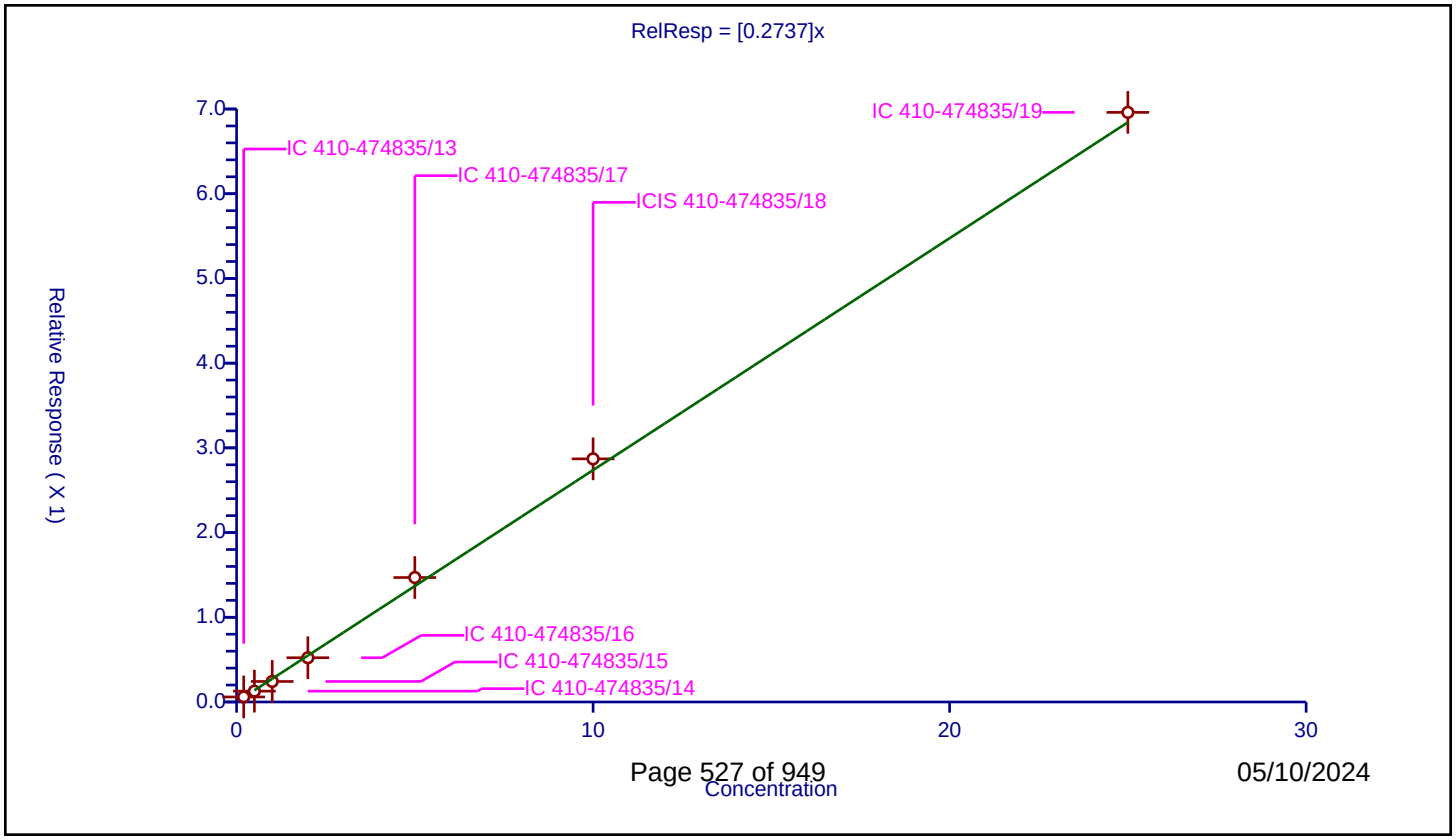
Curve Coefficients

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

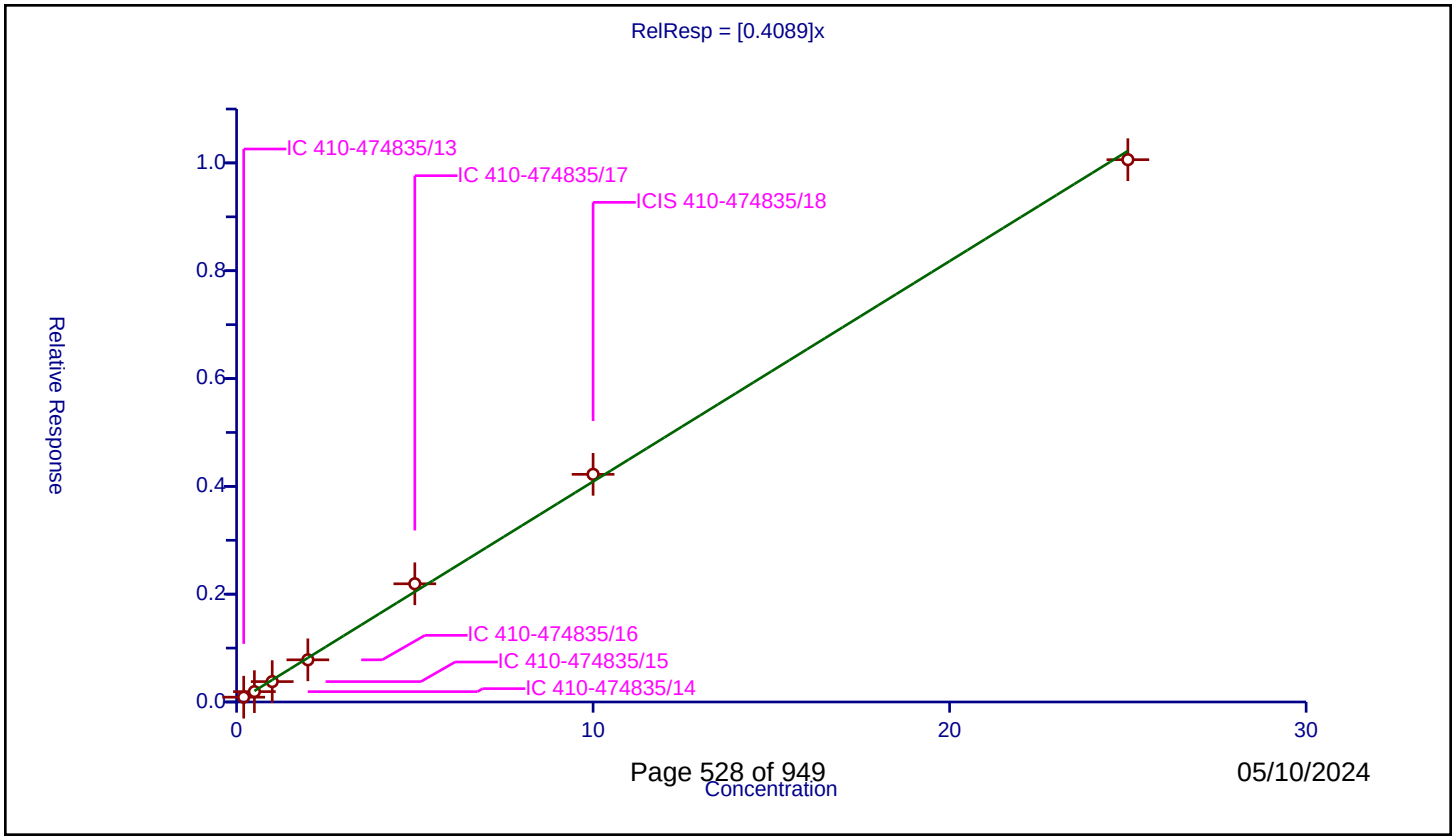
Curve Coefficients

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

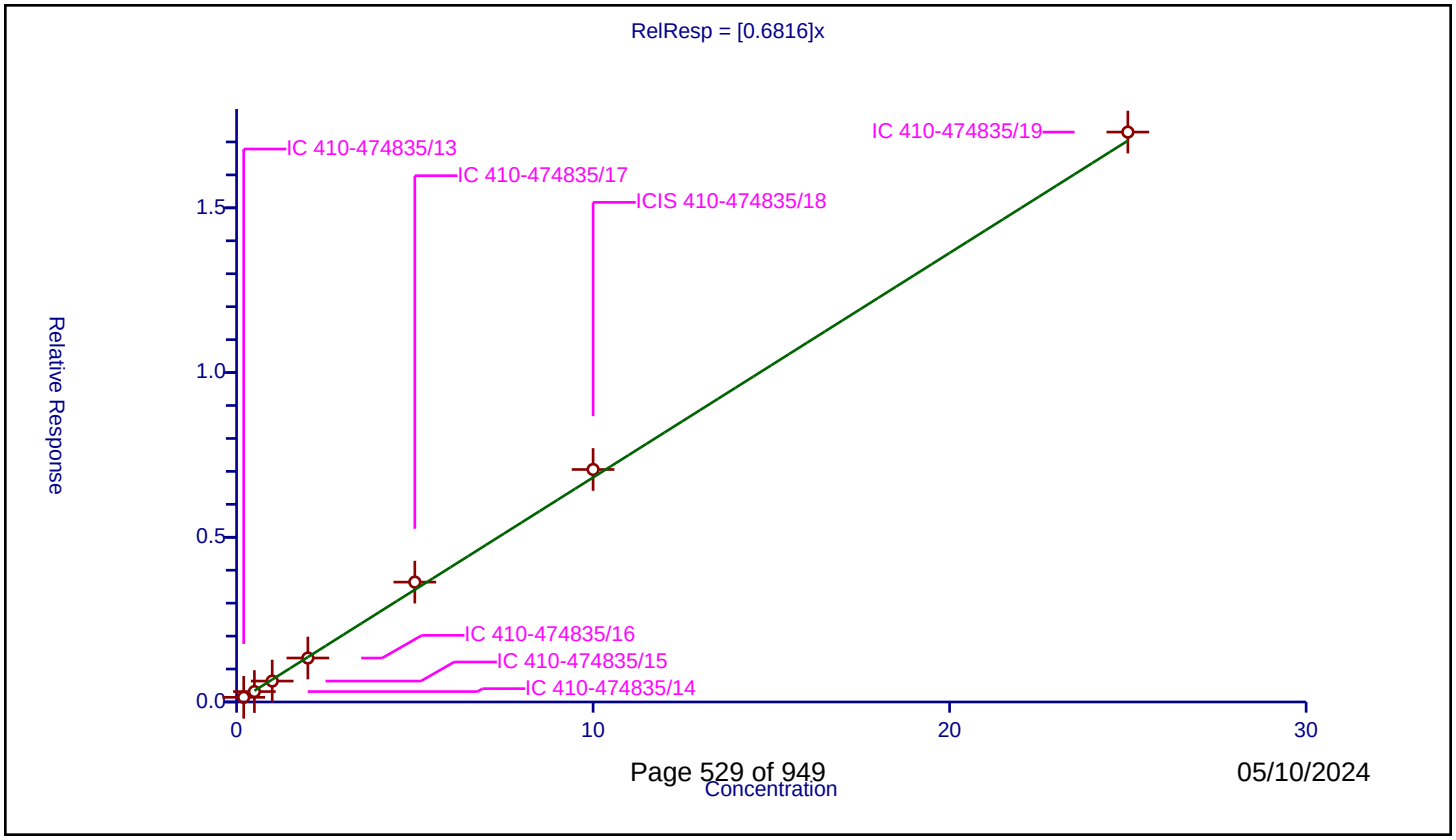
Curve Coefficients

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

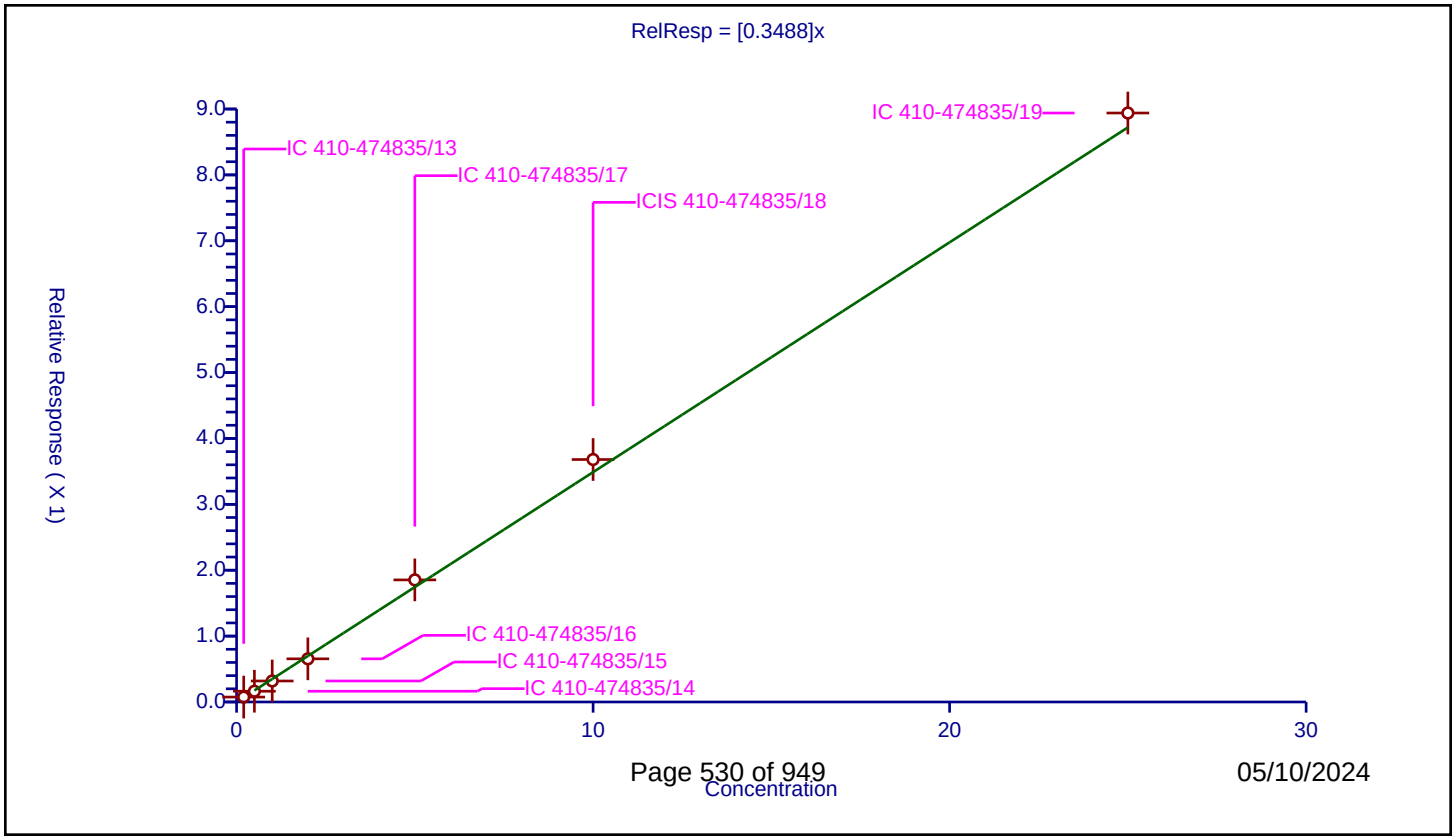
Curve Coefficients

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

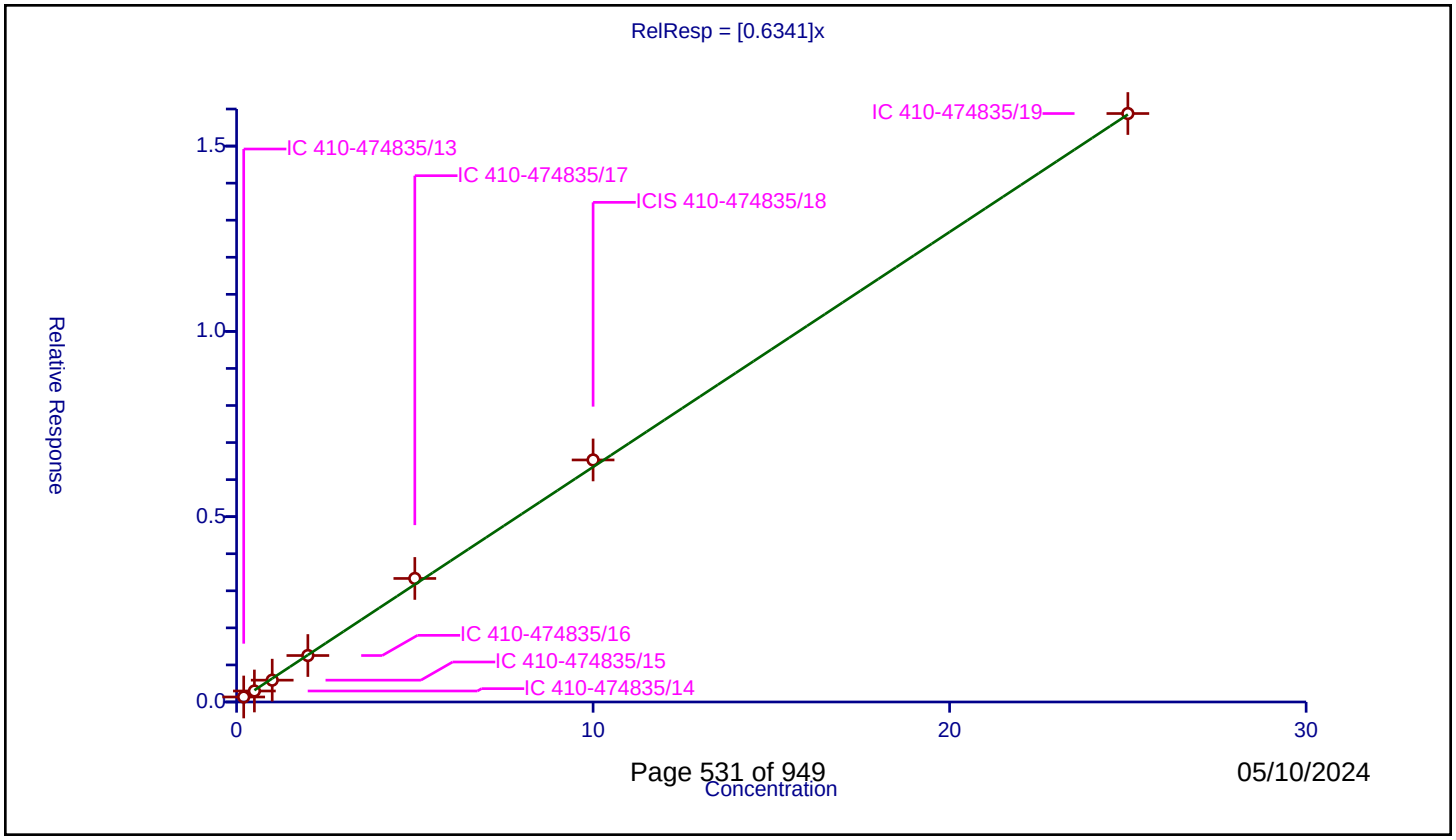
Curve Coefficients

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

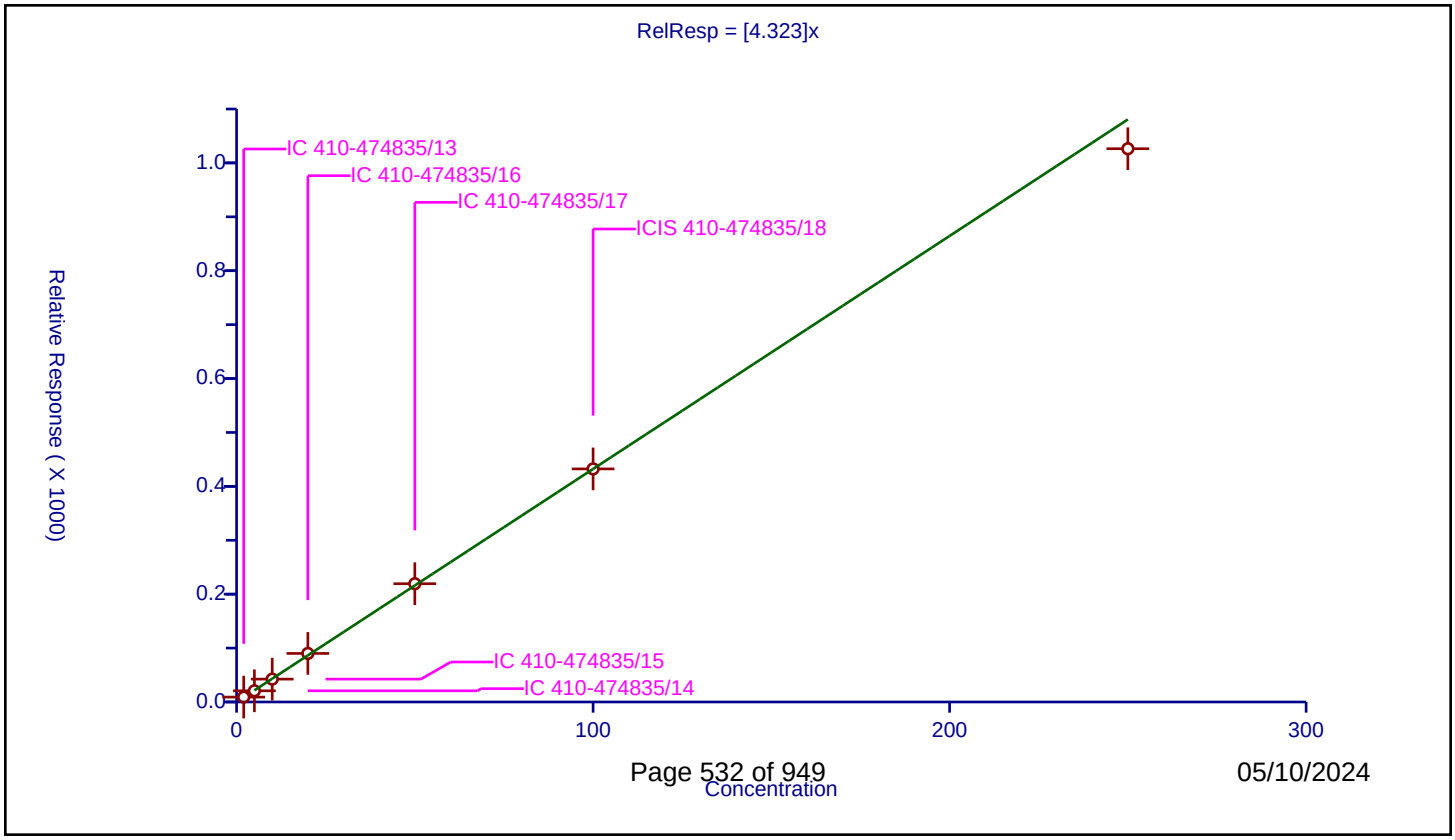
Curve Coefficients

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

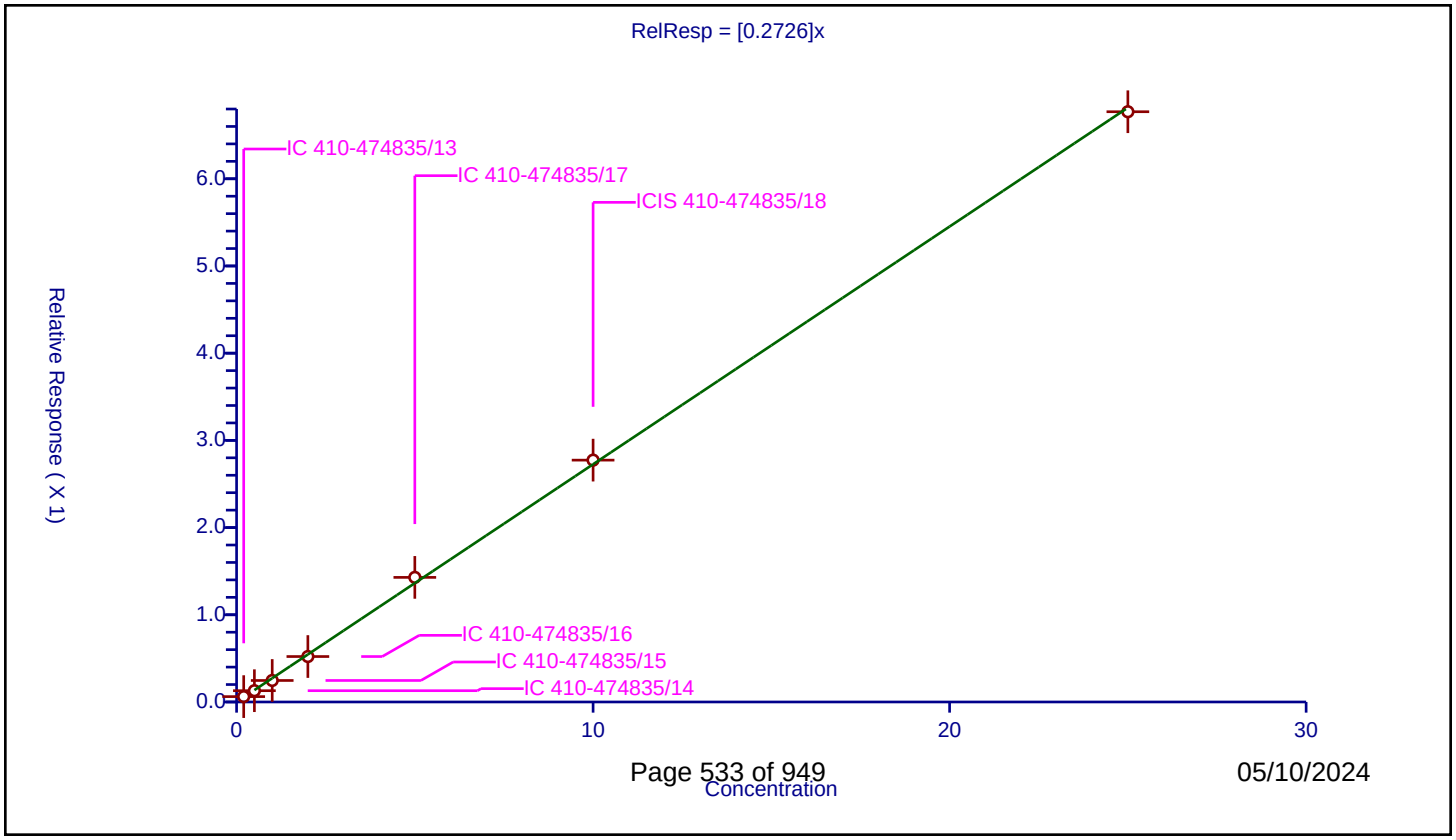
Curve Coefficients

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

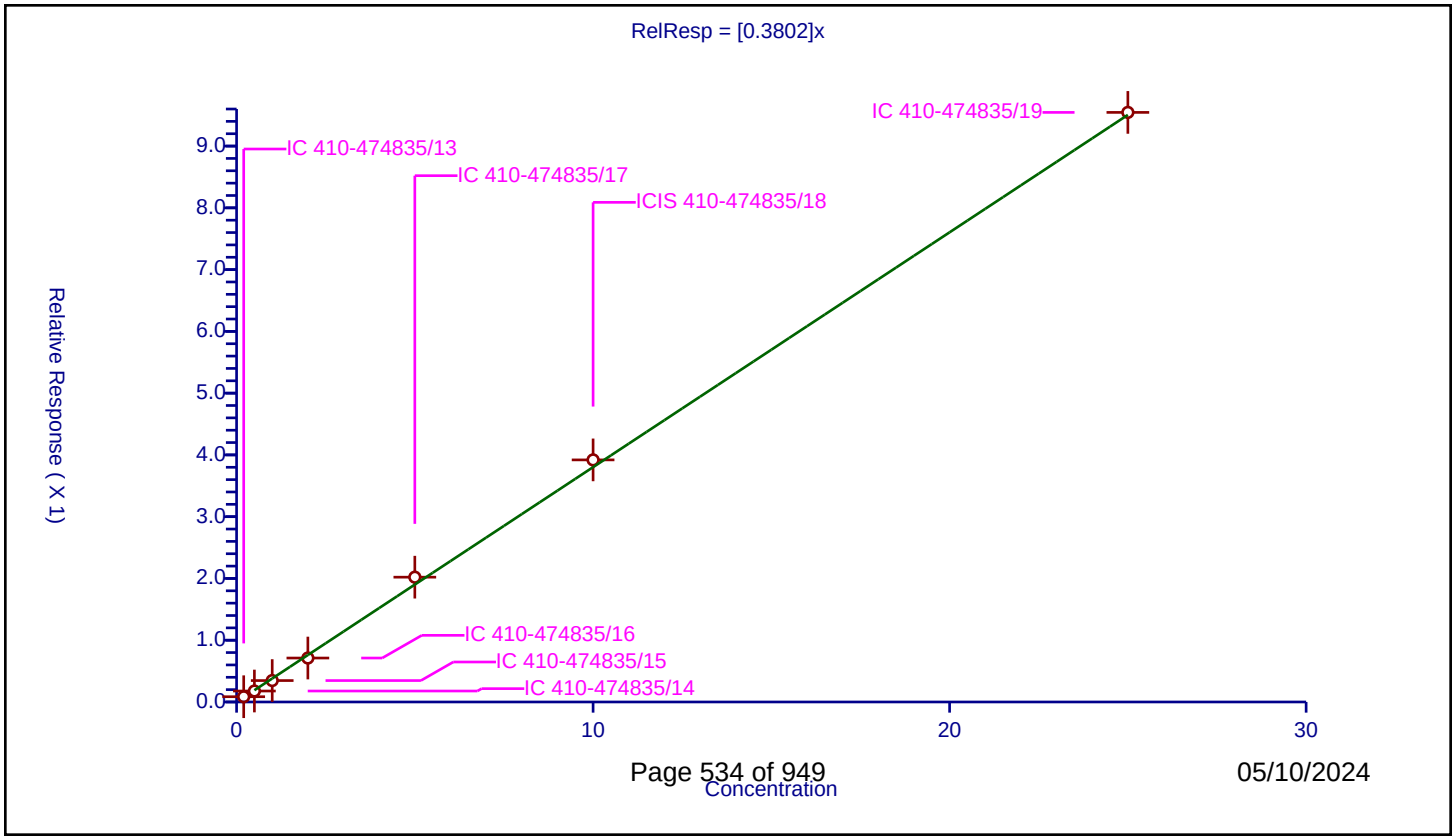
Curve Coefficients

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

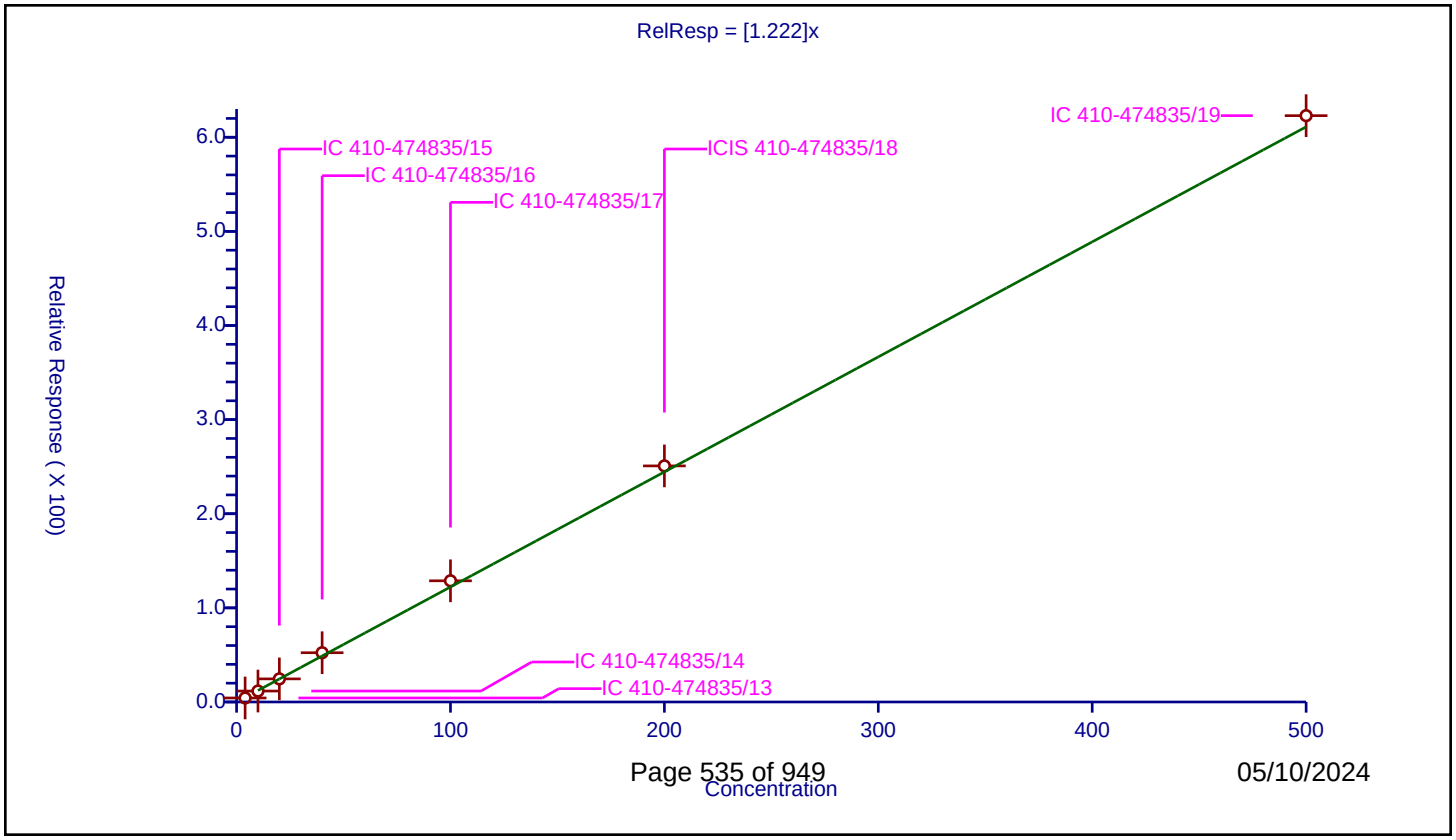
Curve Coefficients

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

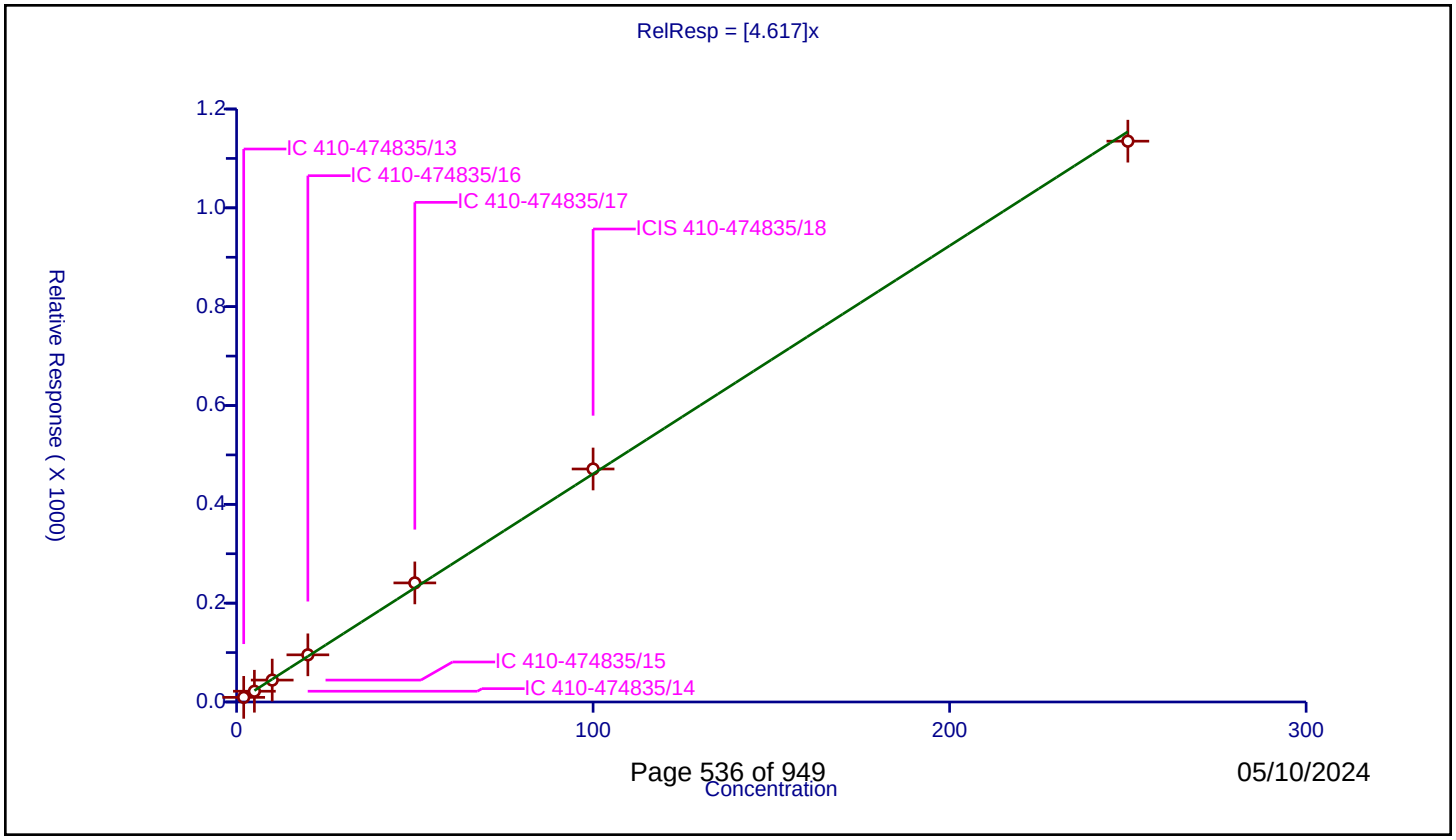
Curve Coefficients

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

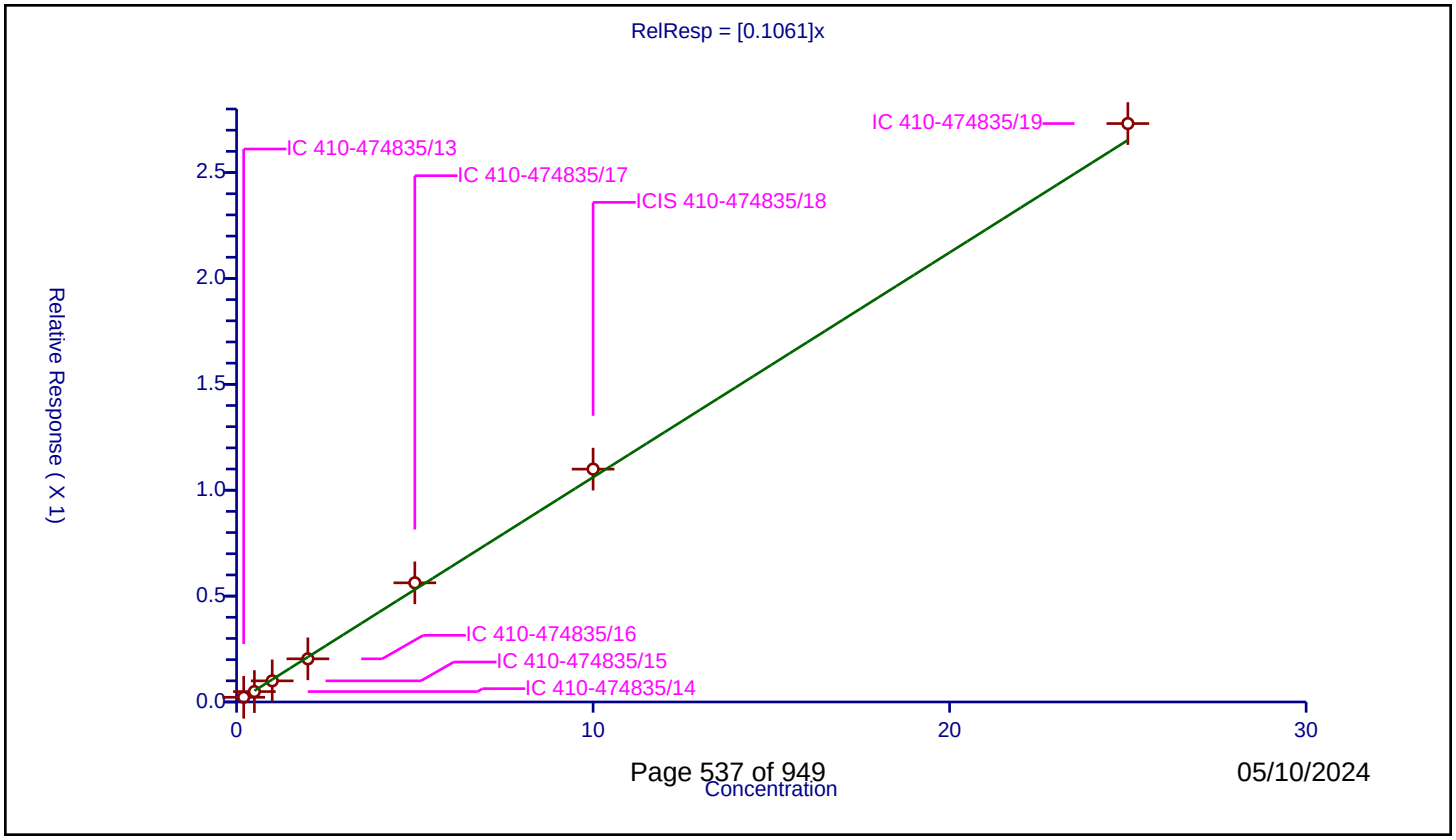
Curve Coefficients

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

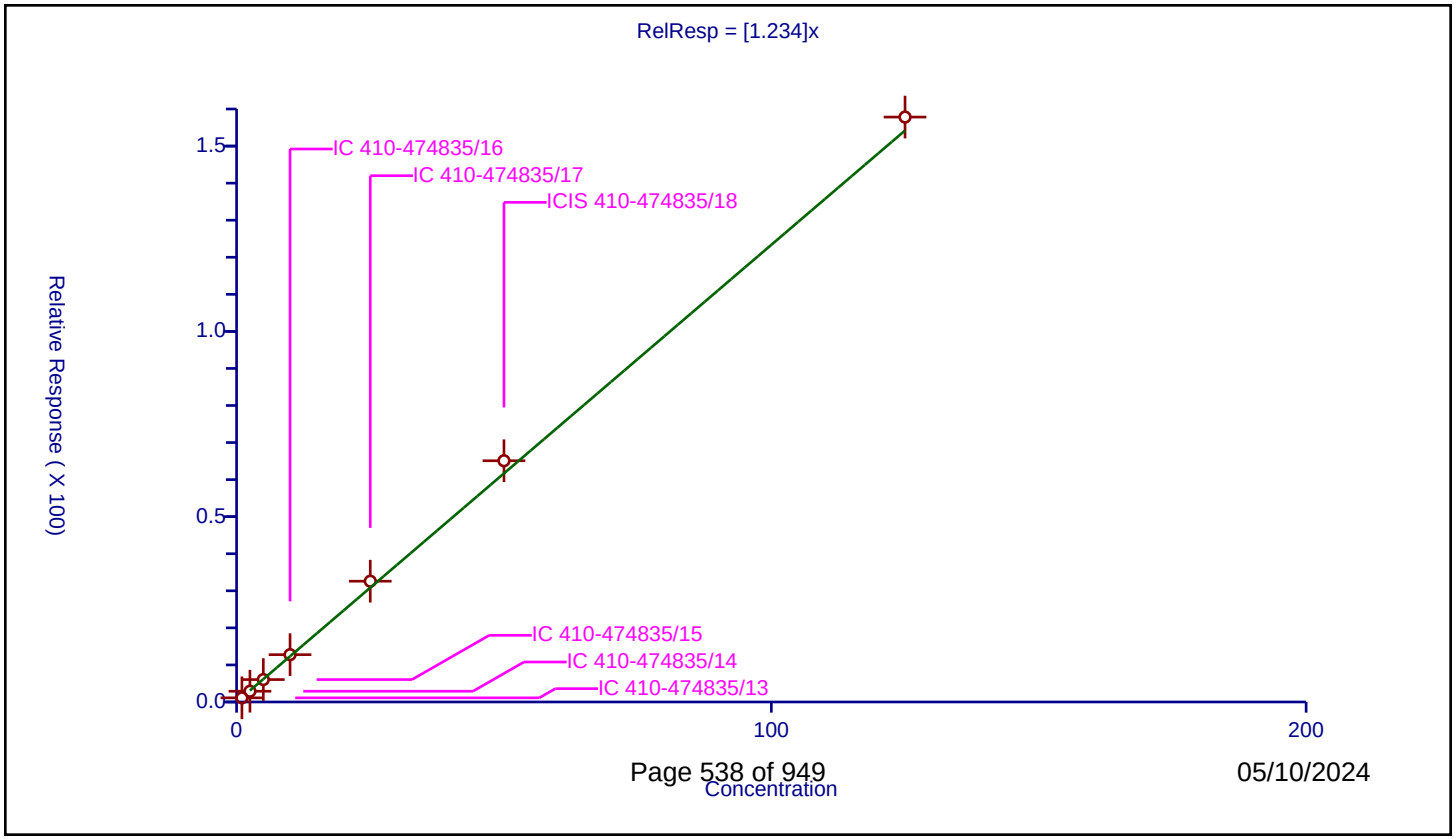
Curve Coefficients

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

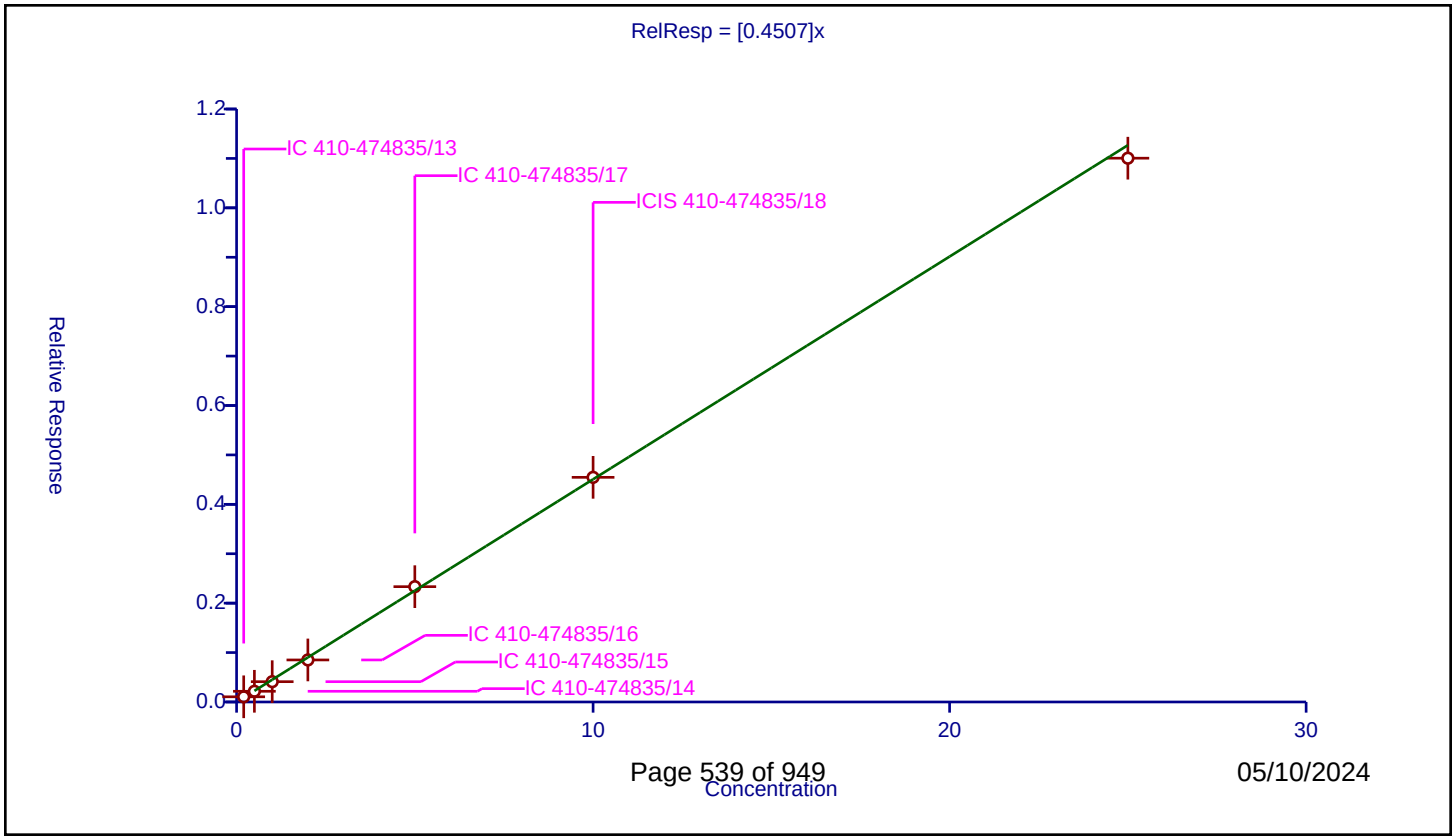
Curve Coefficients

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

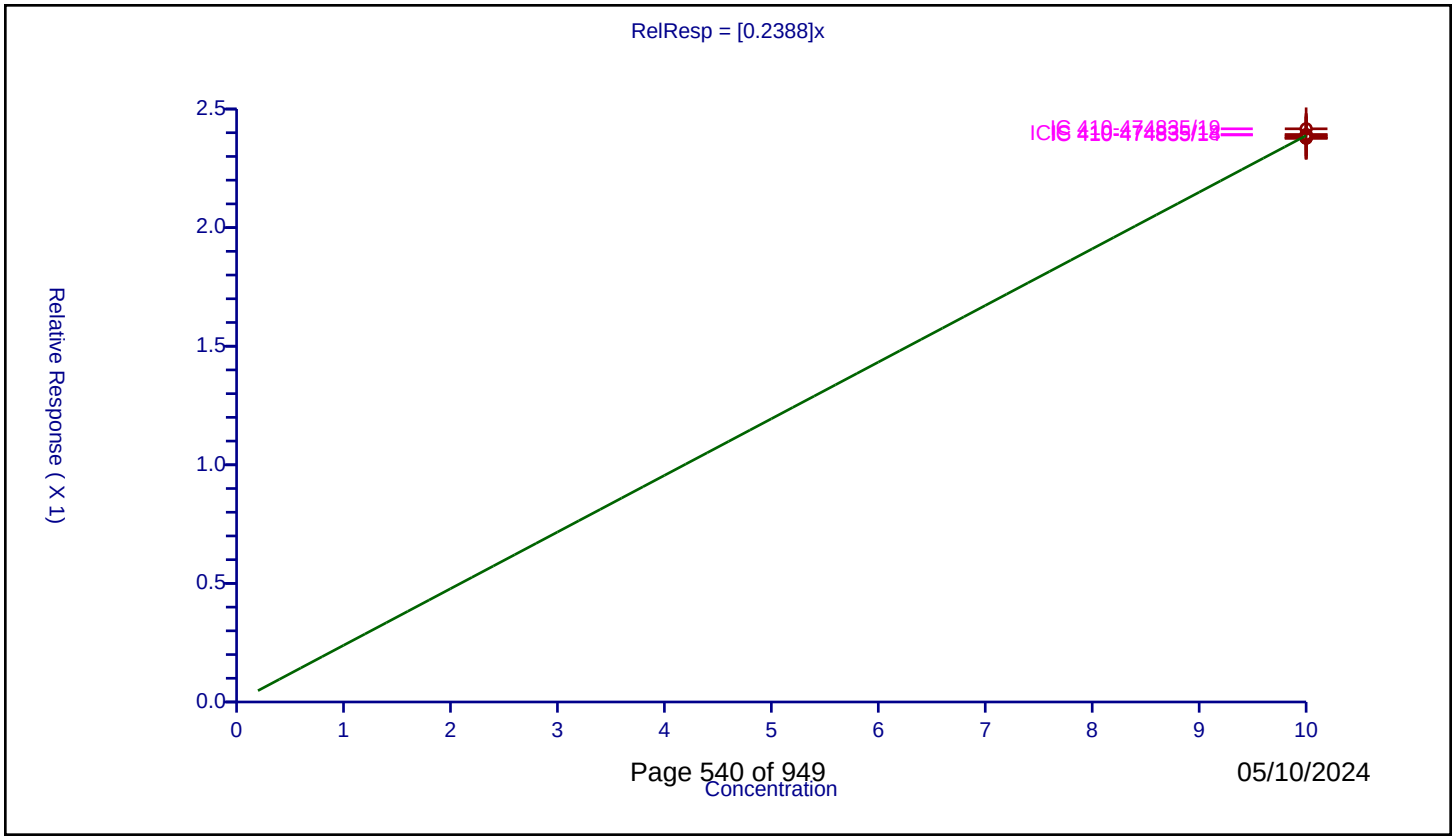
Curve Coefficients

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

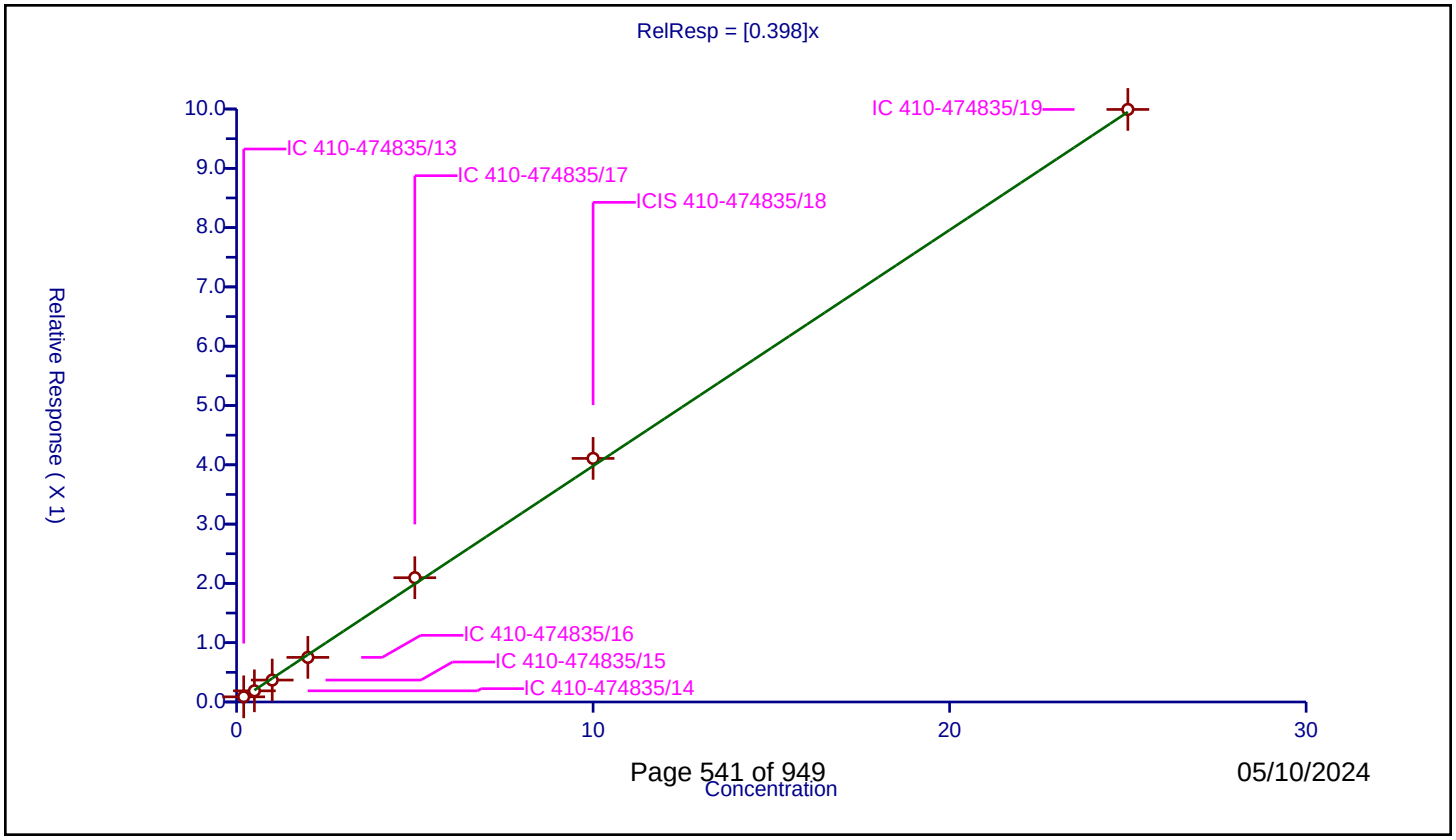
Curve Coefficients

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

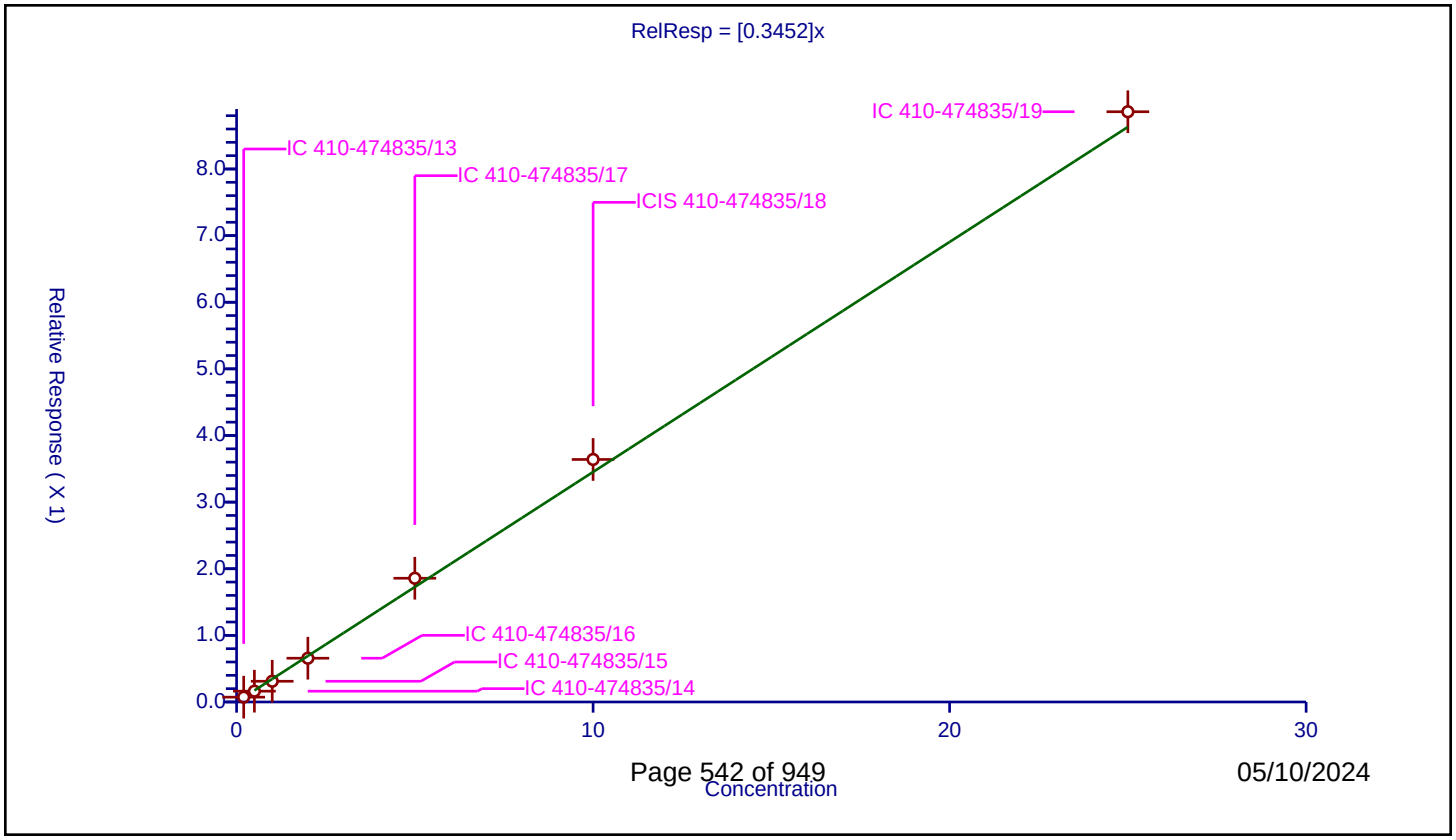
Curve Coefficients

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

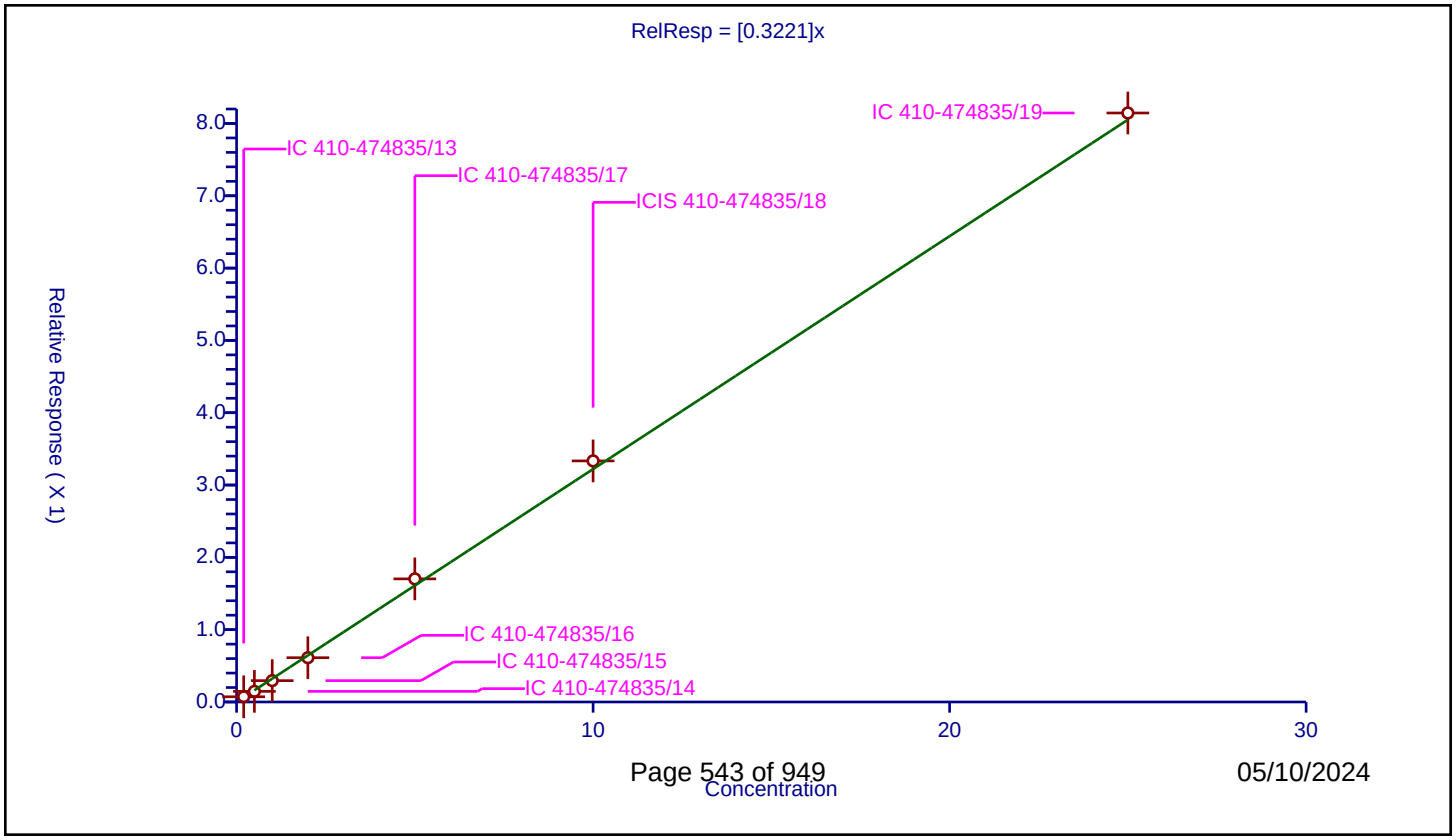
Curve Coefficients

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

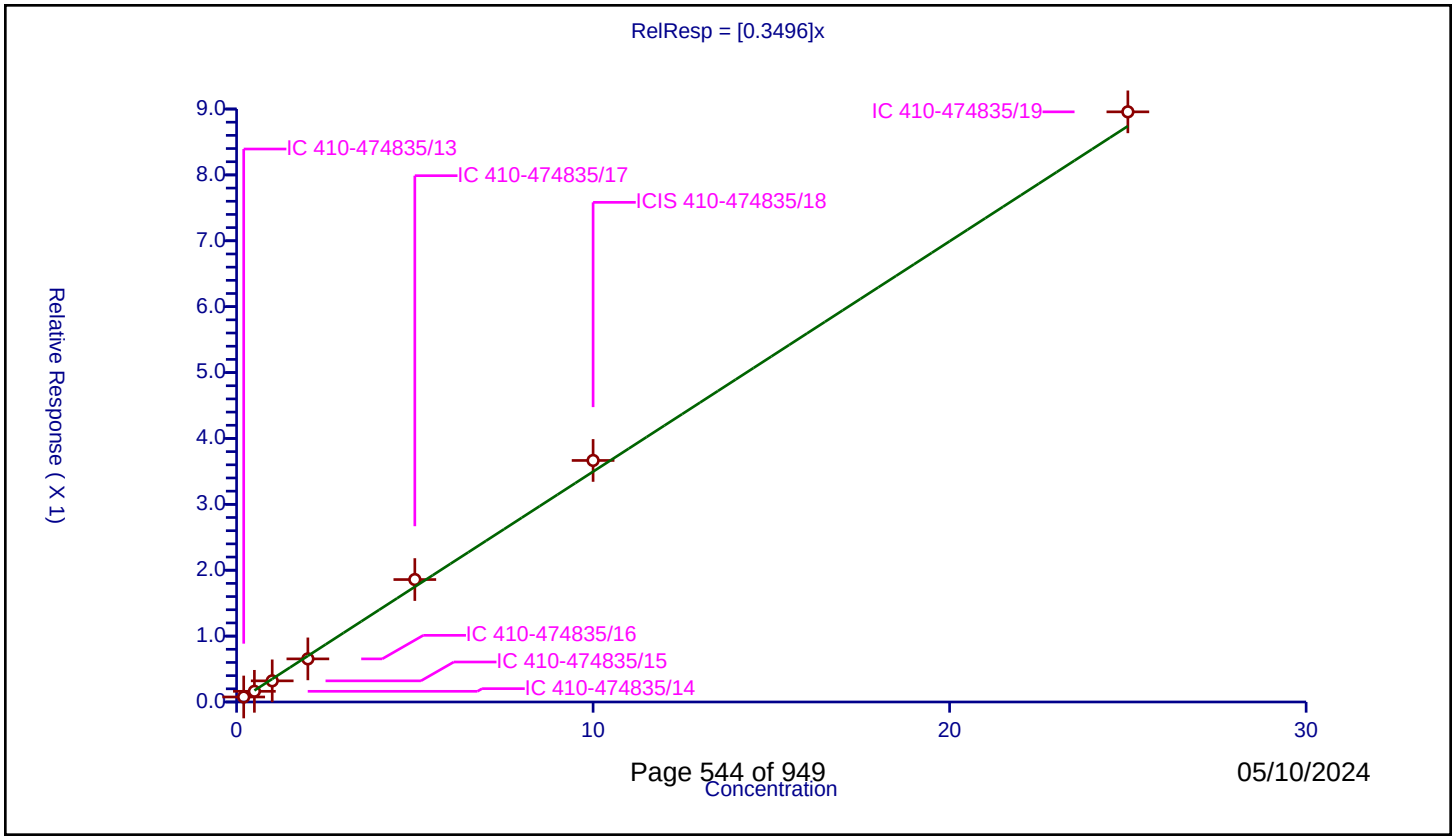
Curve Coefficients

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

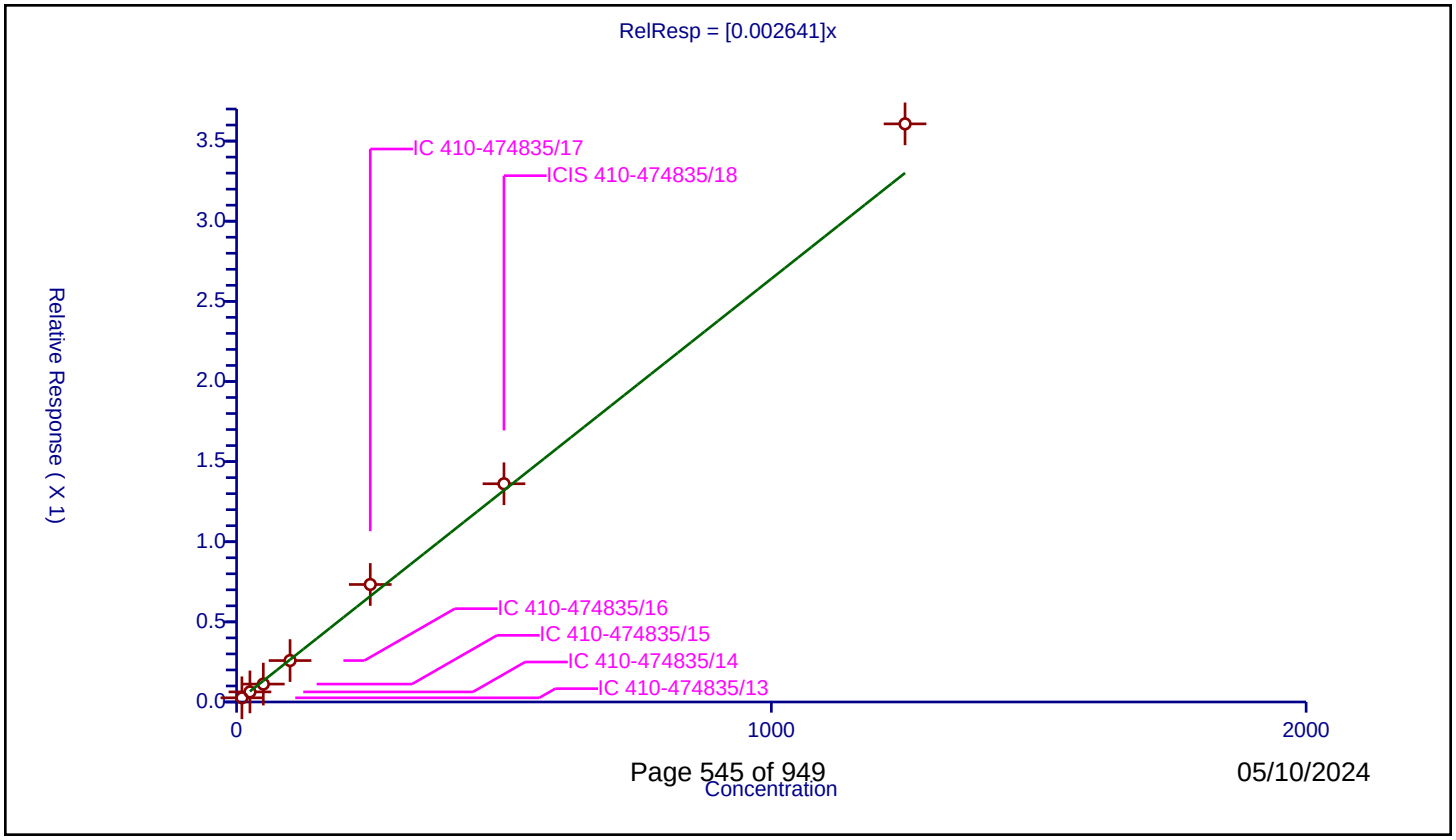
Curve Coefficients

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

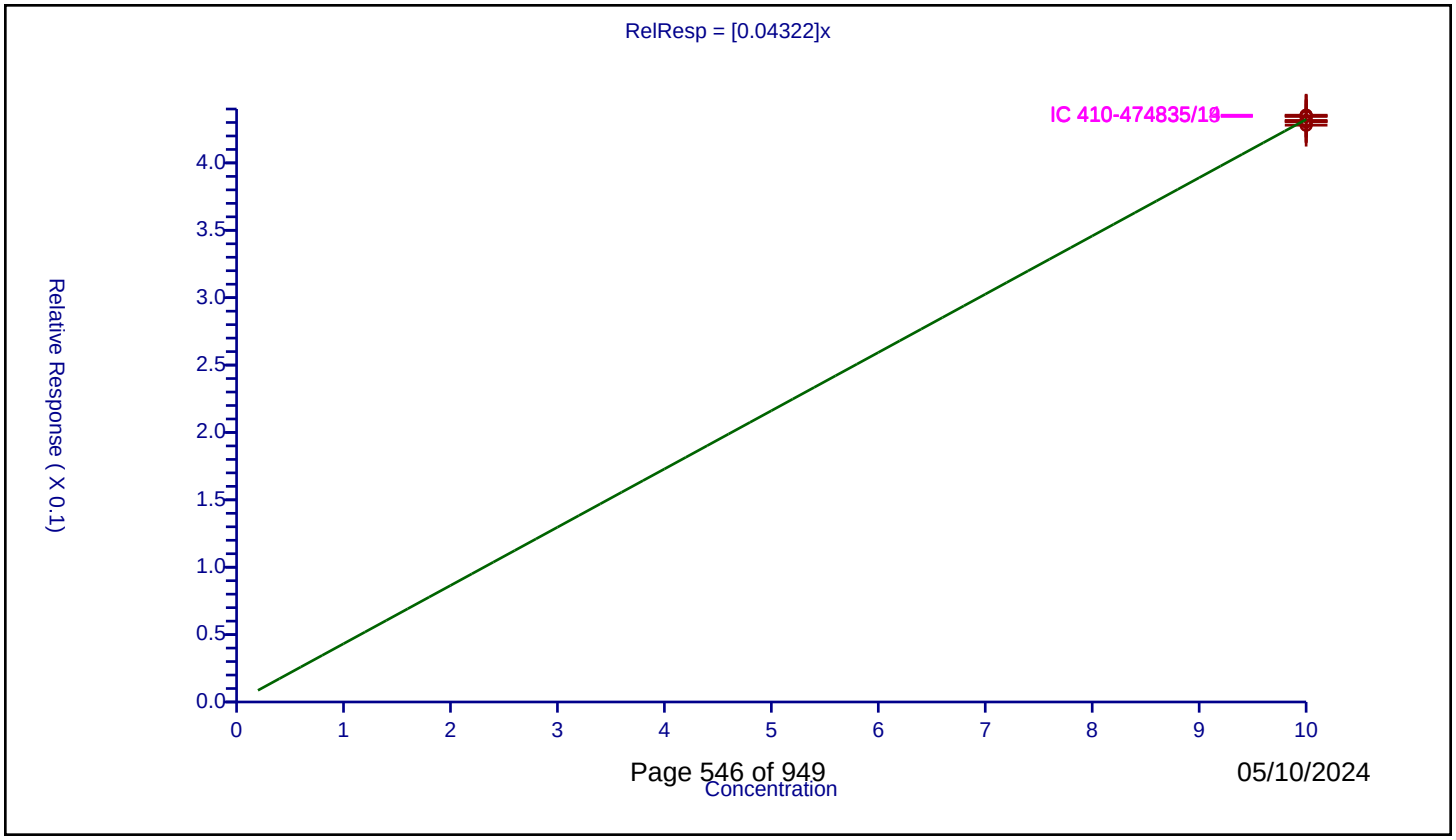
Curve Coefficients

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

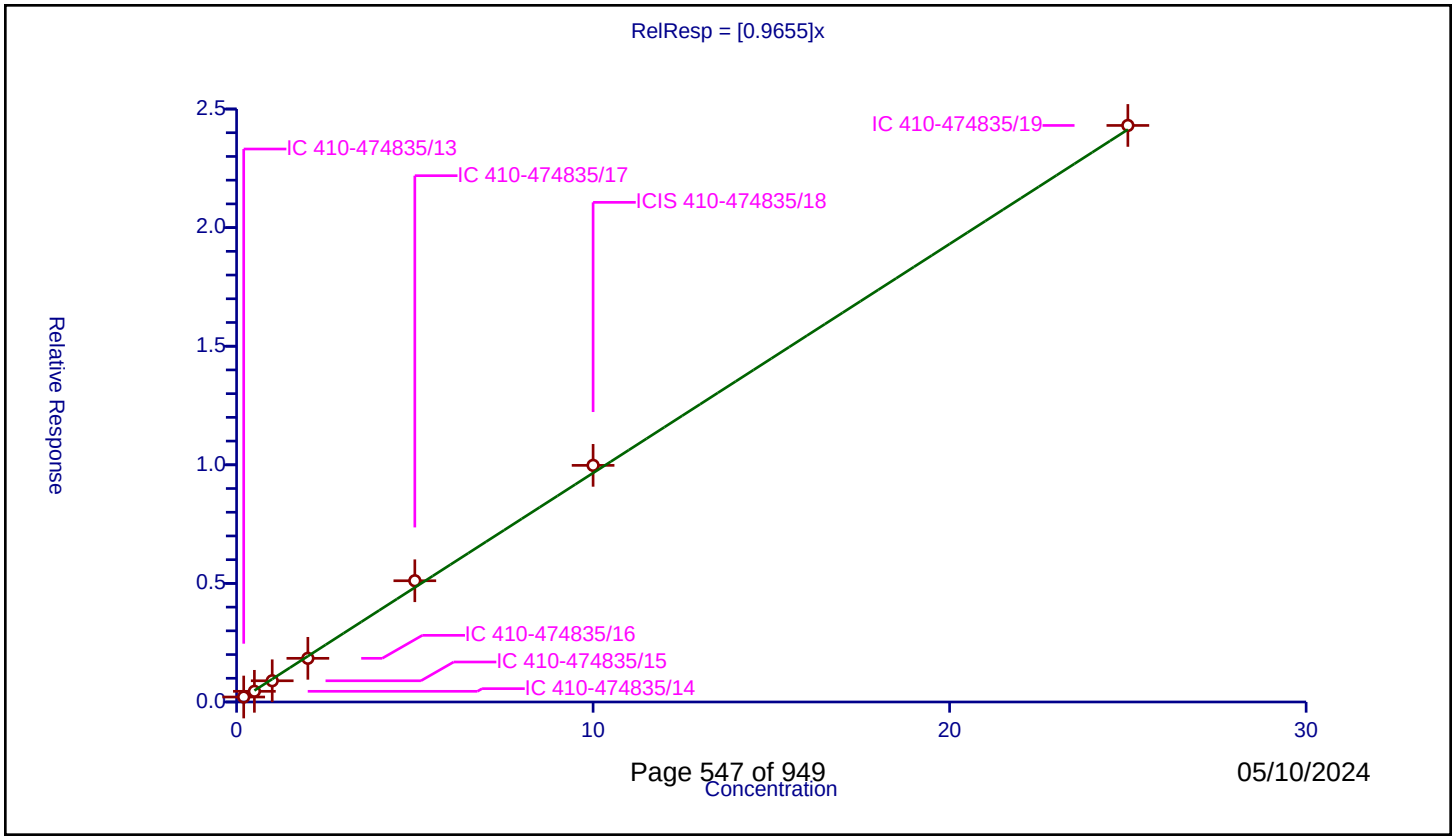
Curve Coefficients

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

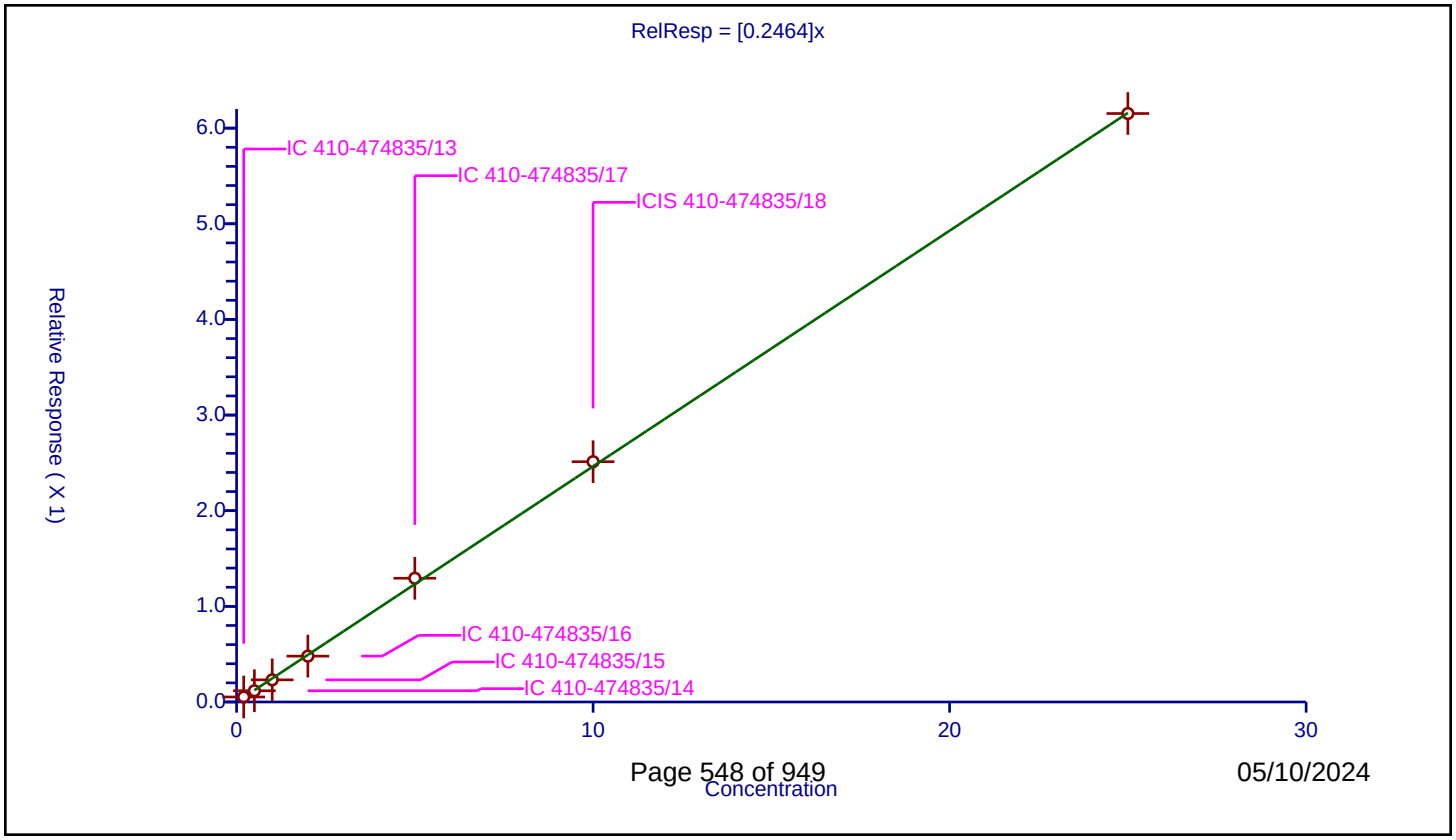
Curve Coefficients

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

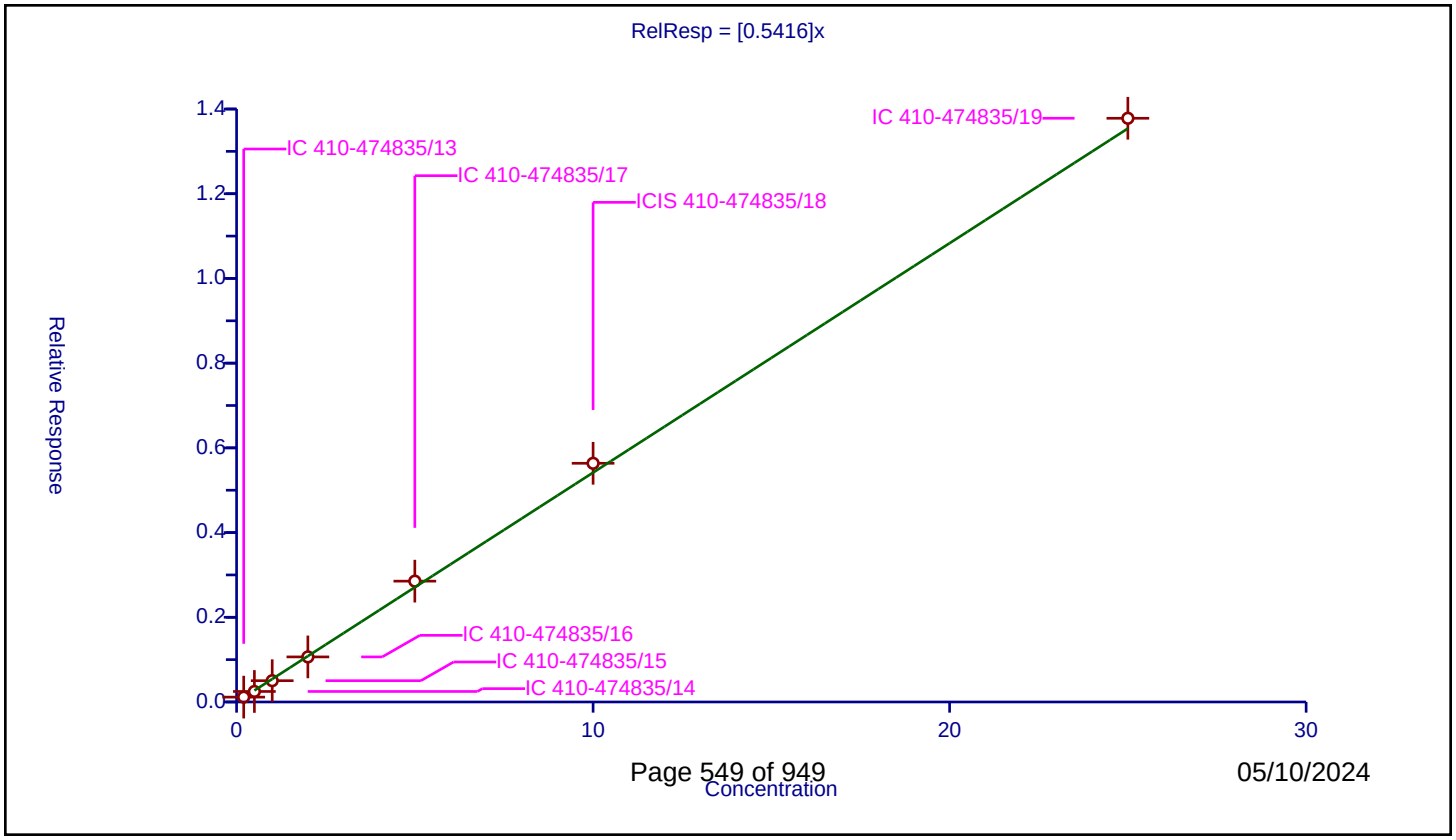
Curve Coefficients

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

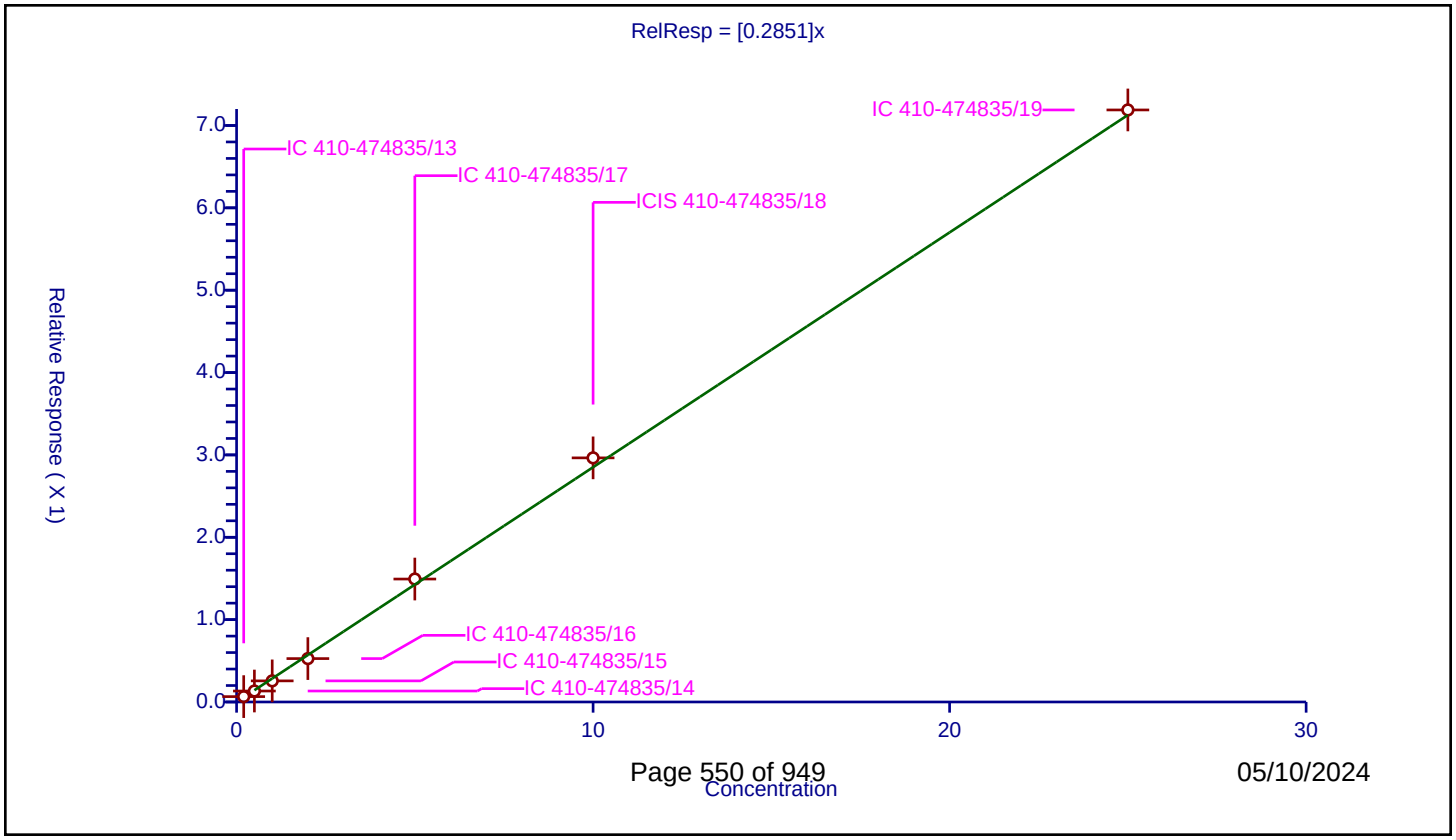
Curve Coefficients

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

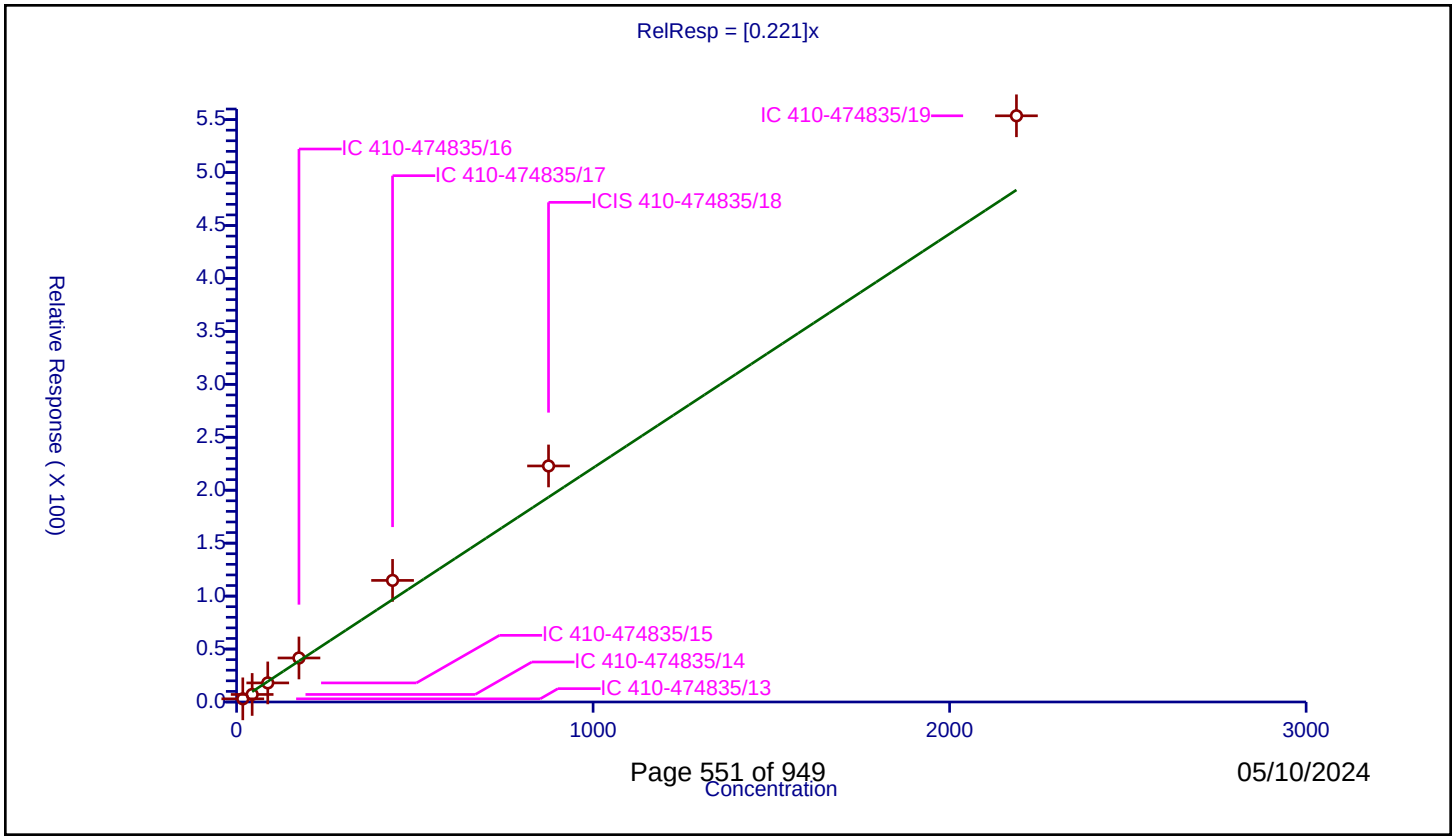
Curve Coefficients

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

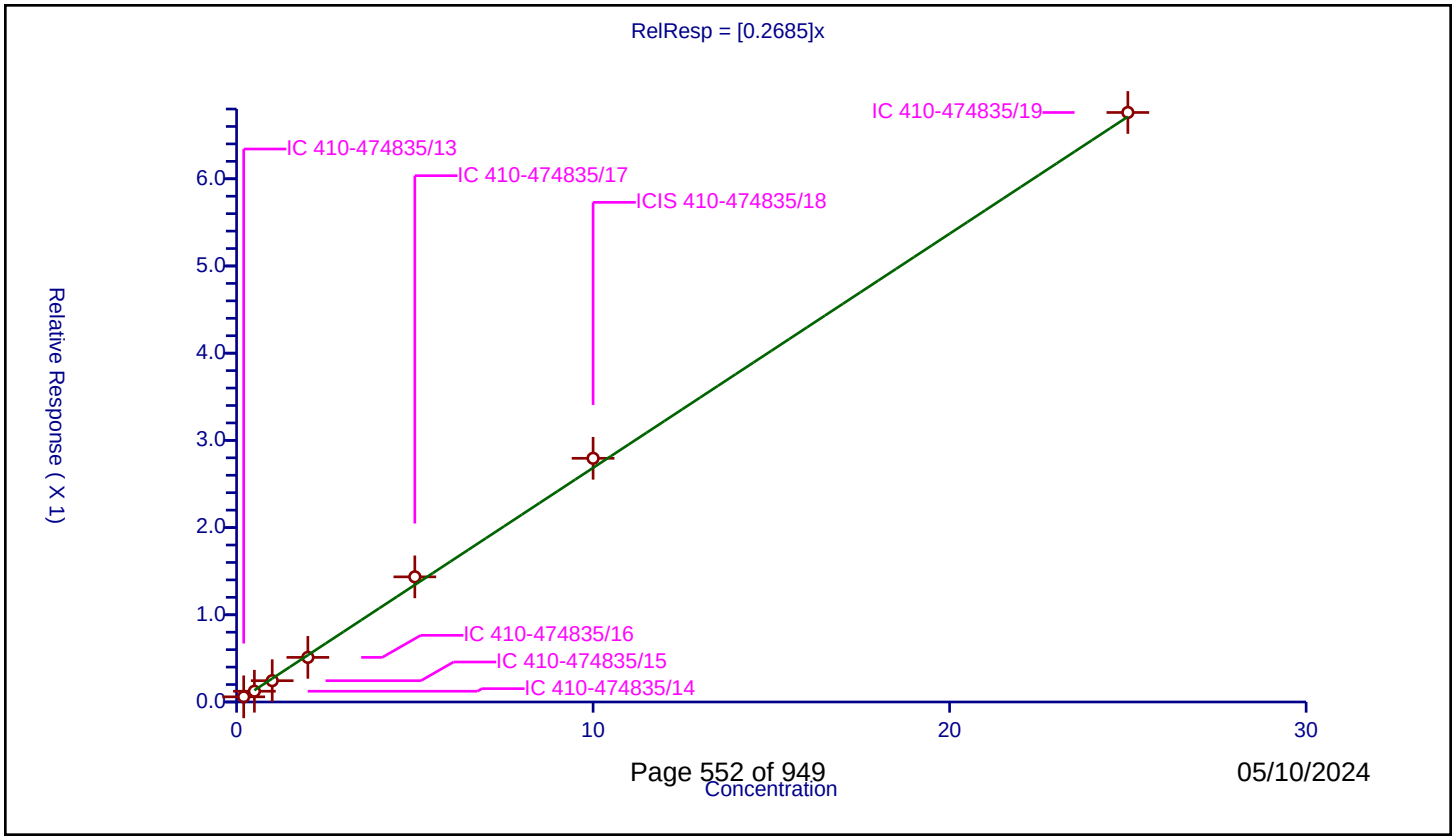
Curve Coefficients

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

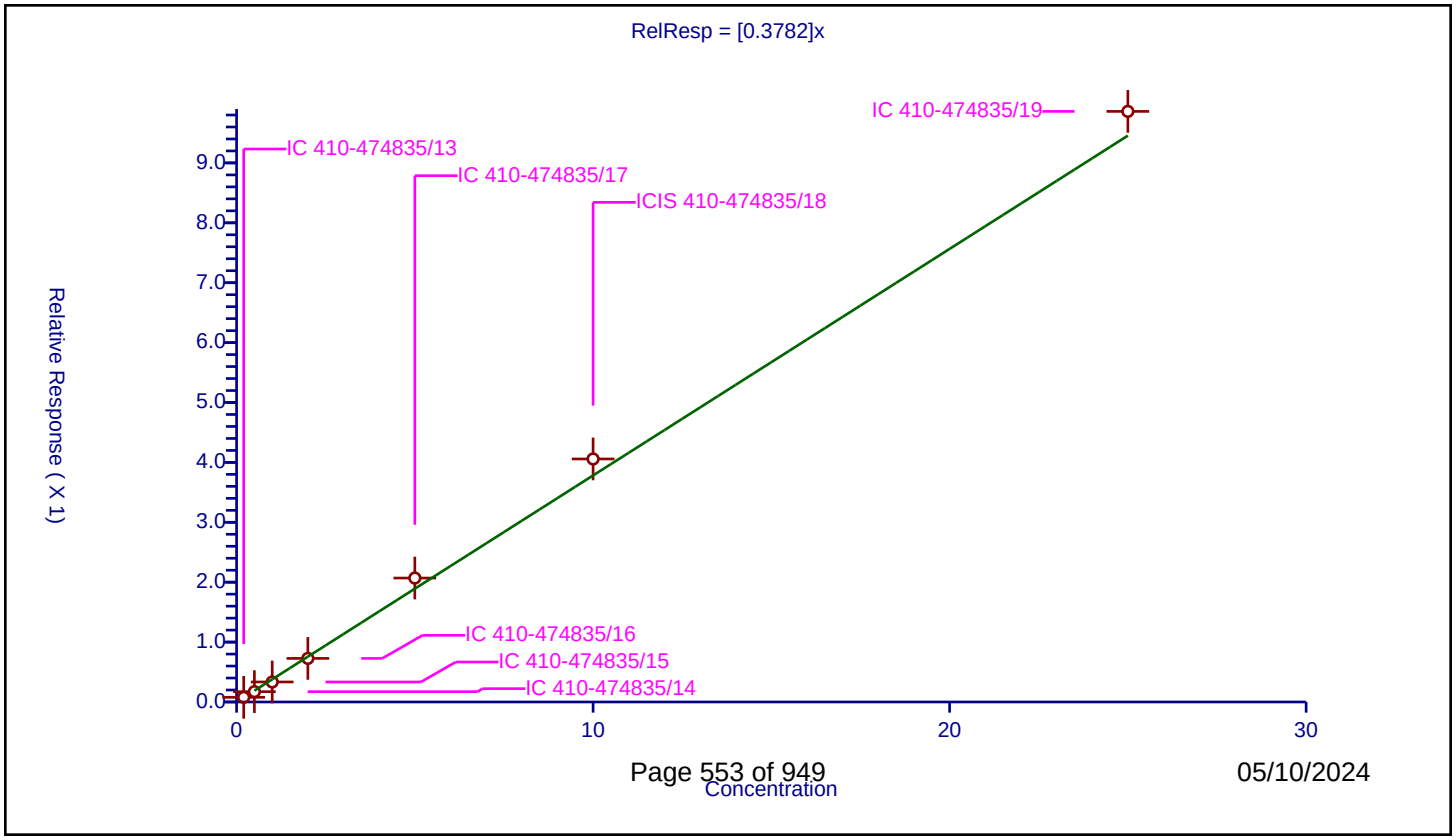
Curve Coefficients

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

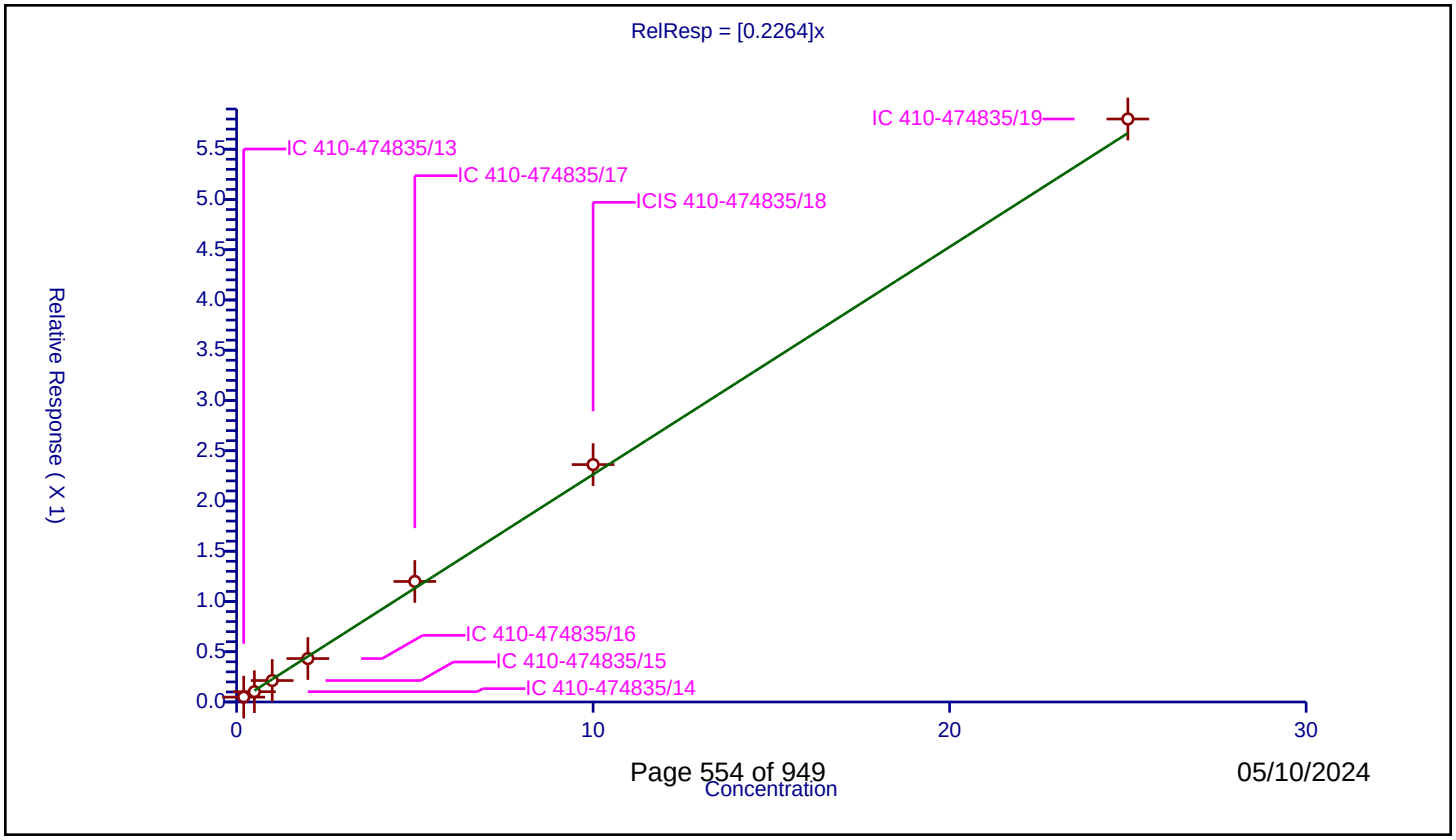
Curve Coefficients

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

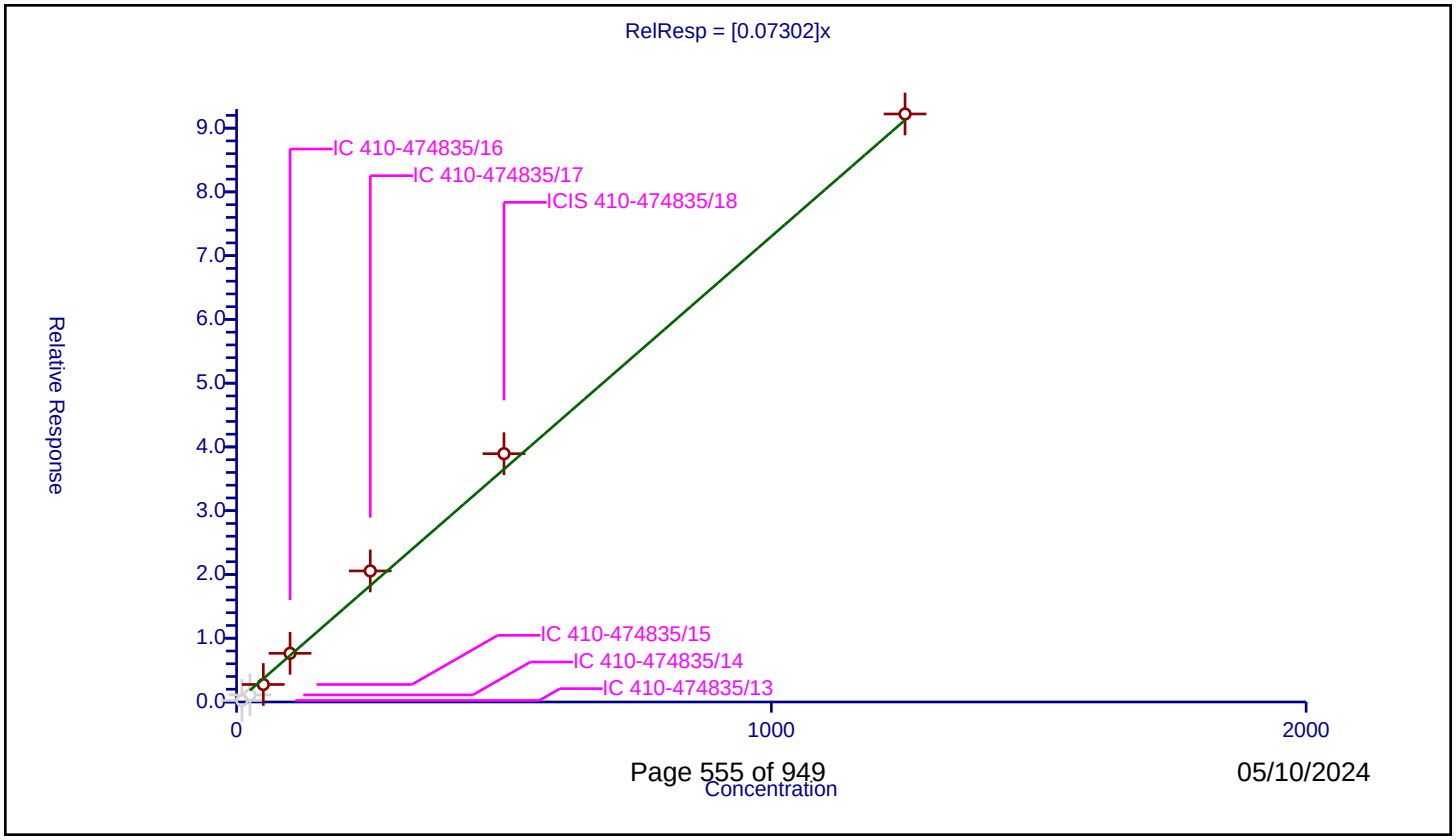
Curve Coefficients

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

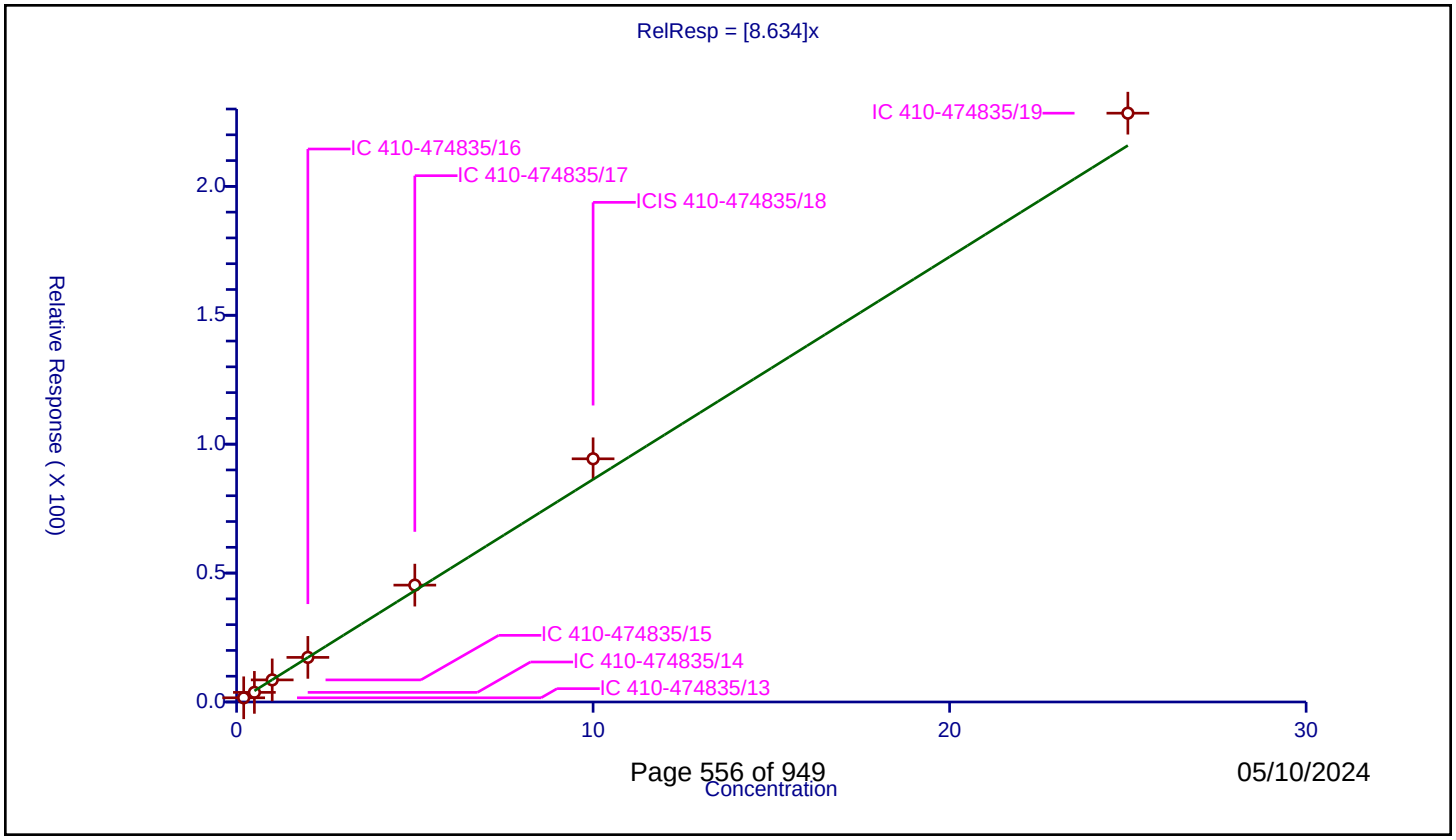
Curve Coefficients

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

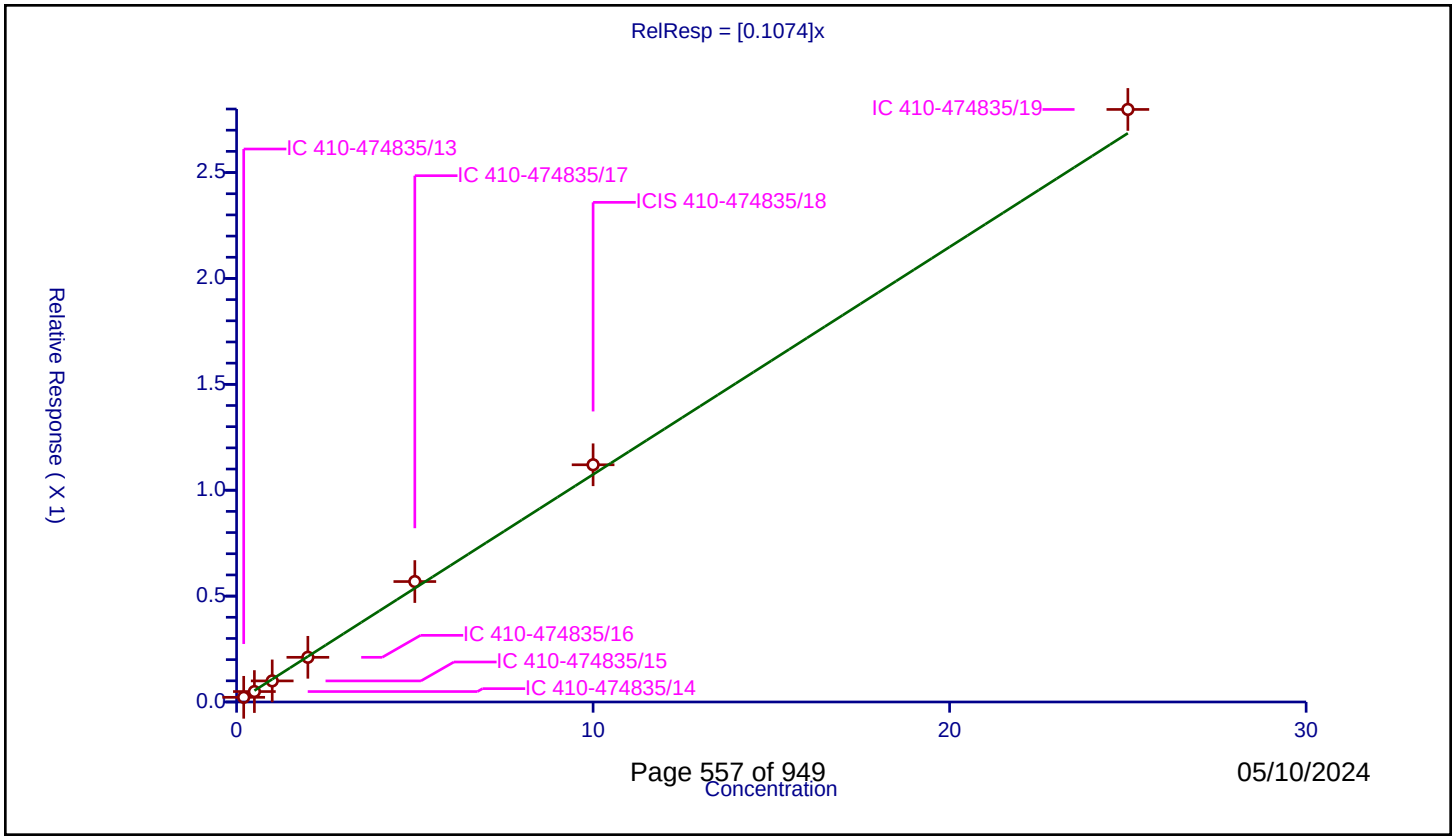
Curve Coefficients

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

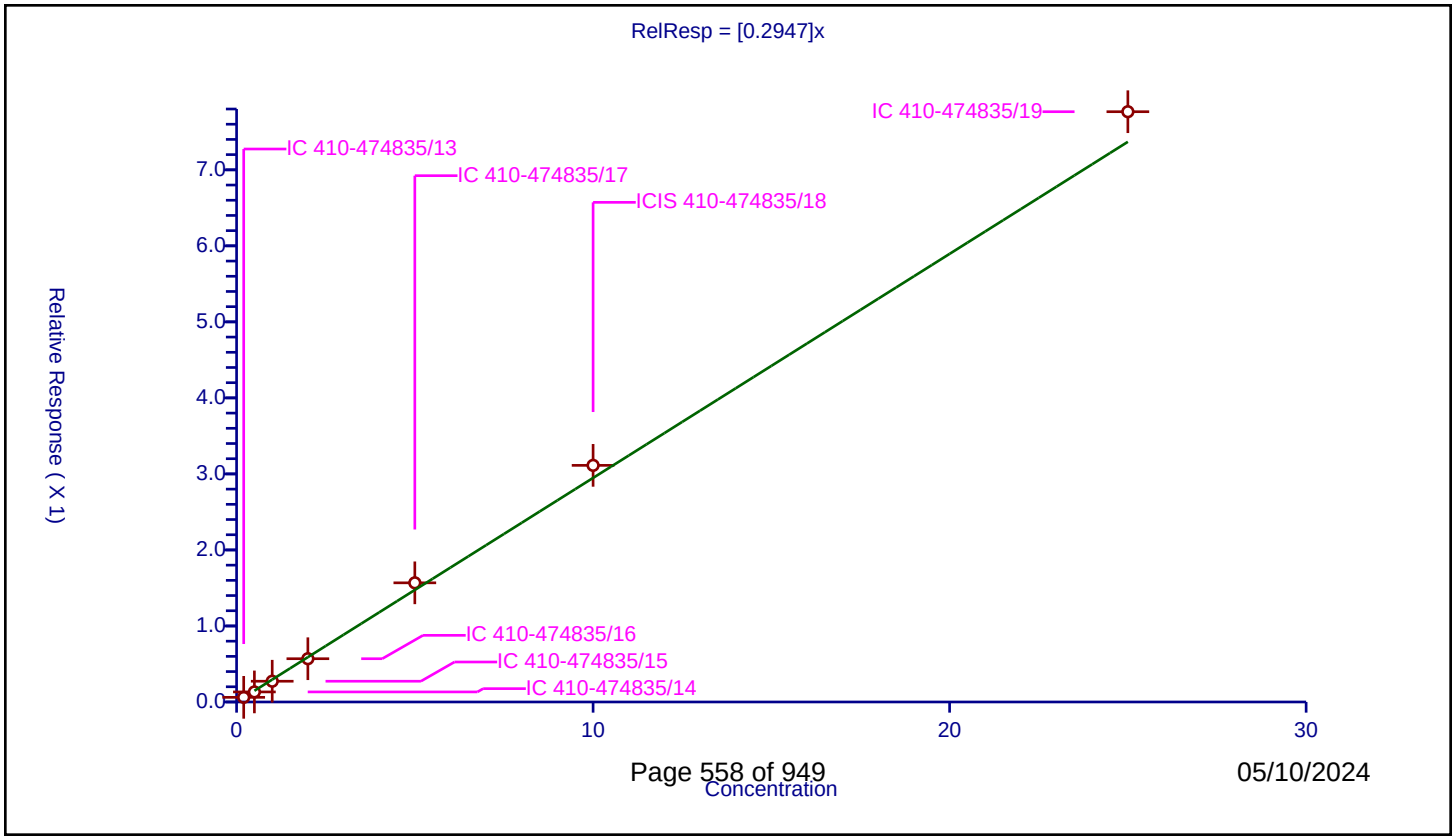
Curve Coefficients

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

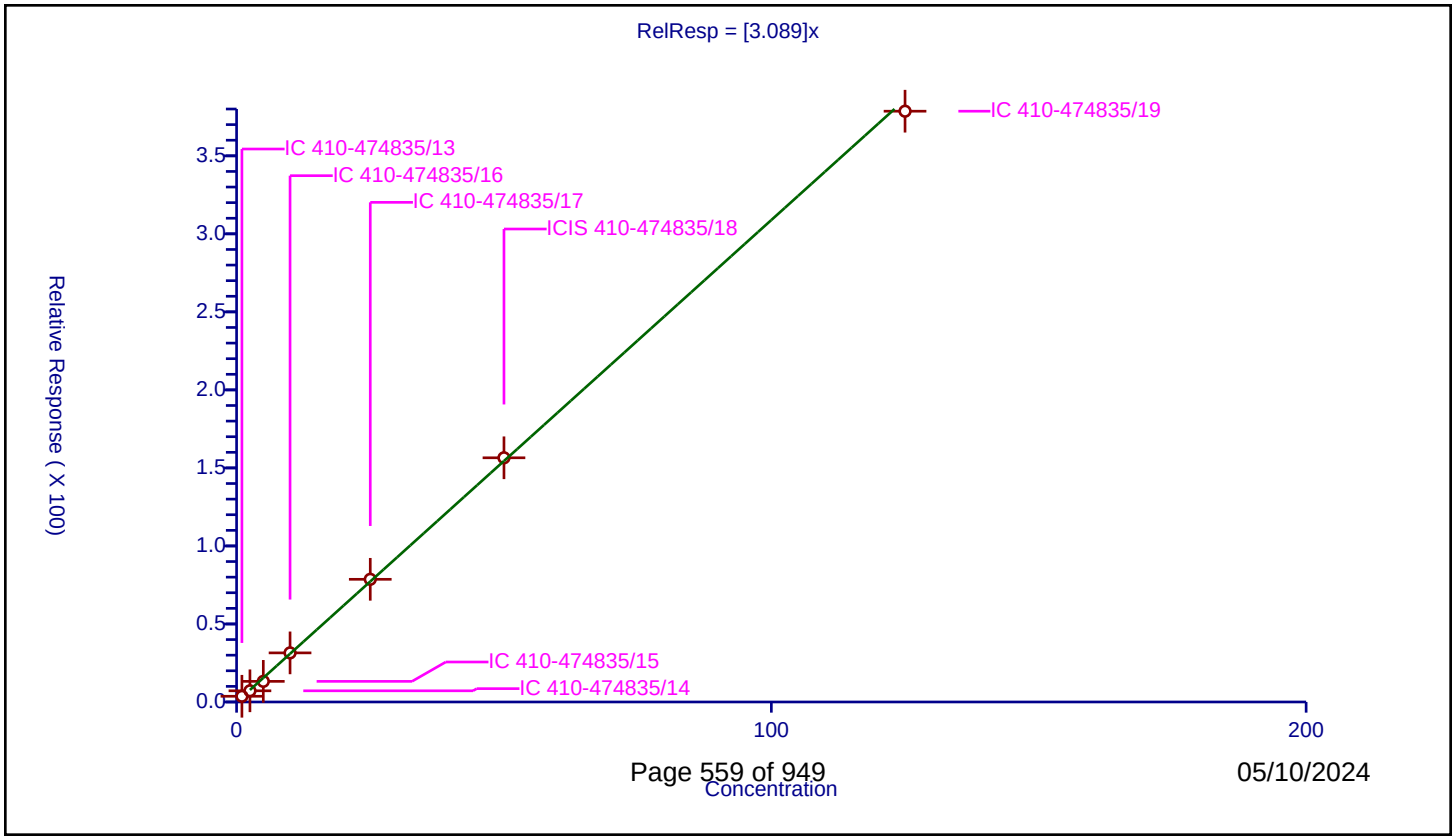
Curve Coefficients

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

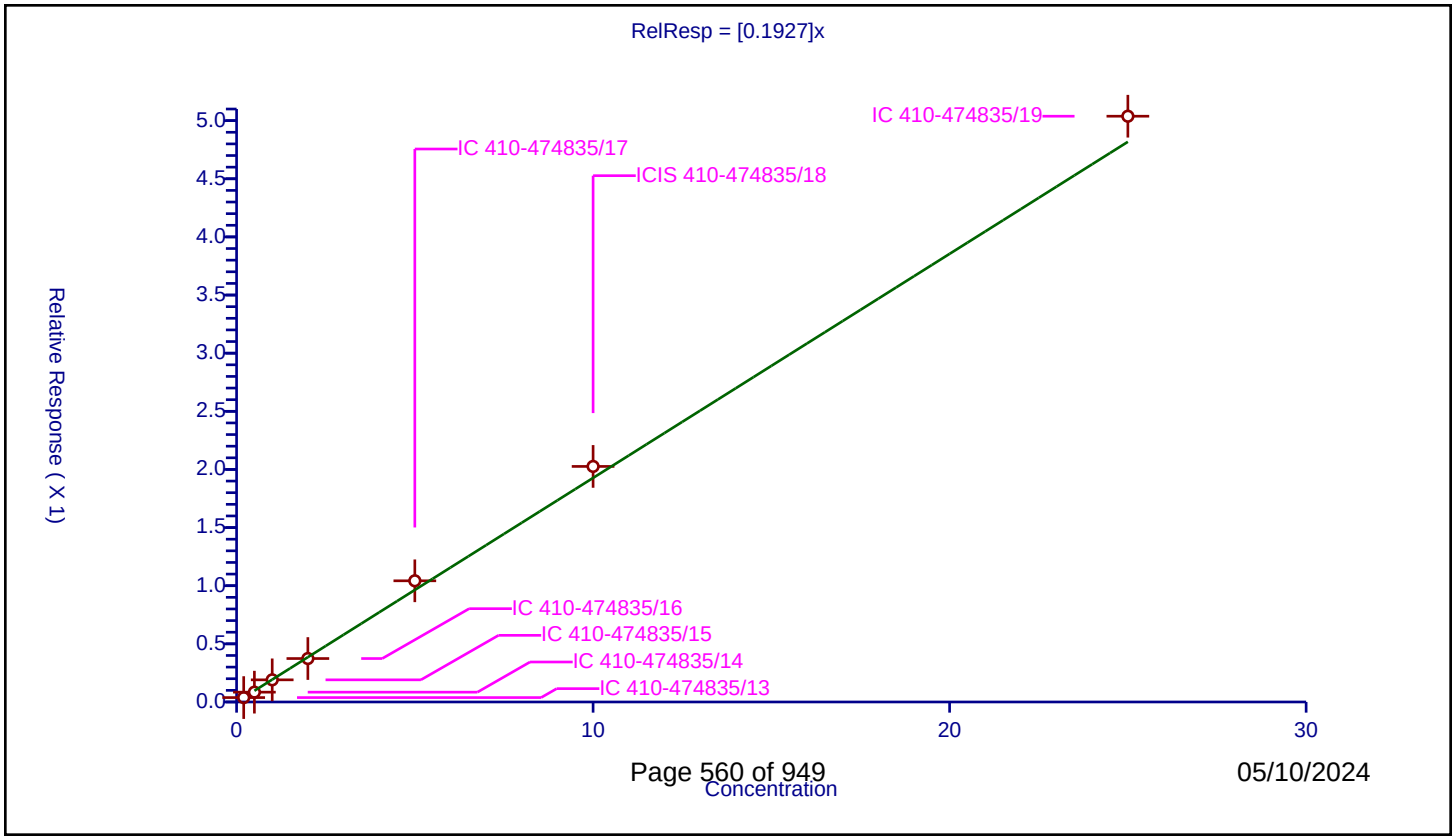
Curve Coefficients

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

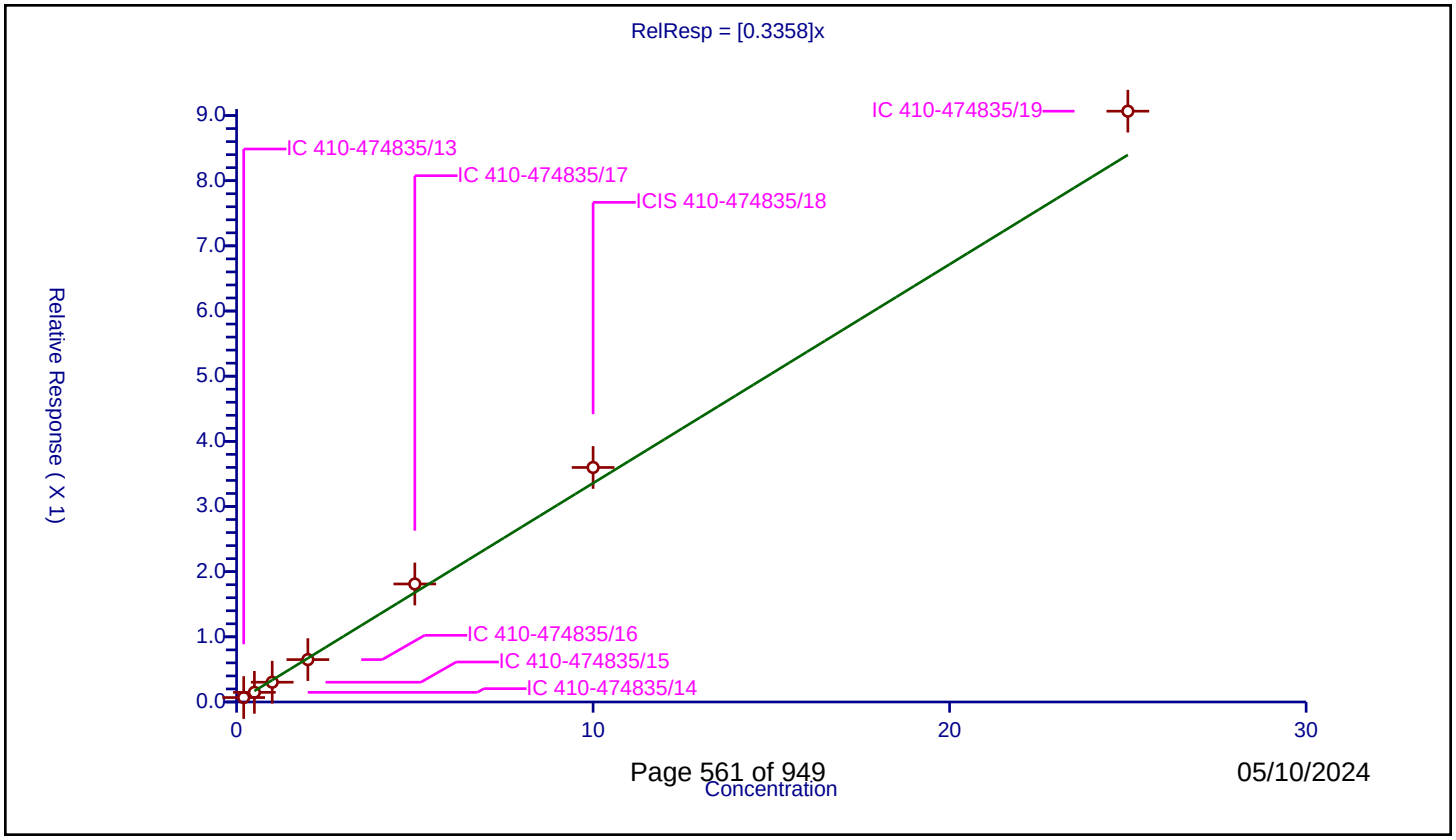
Curve Coefficients

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

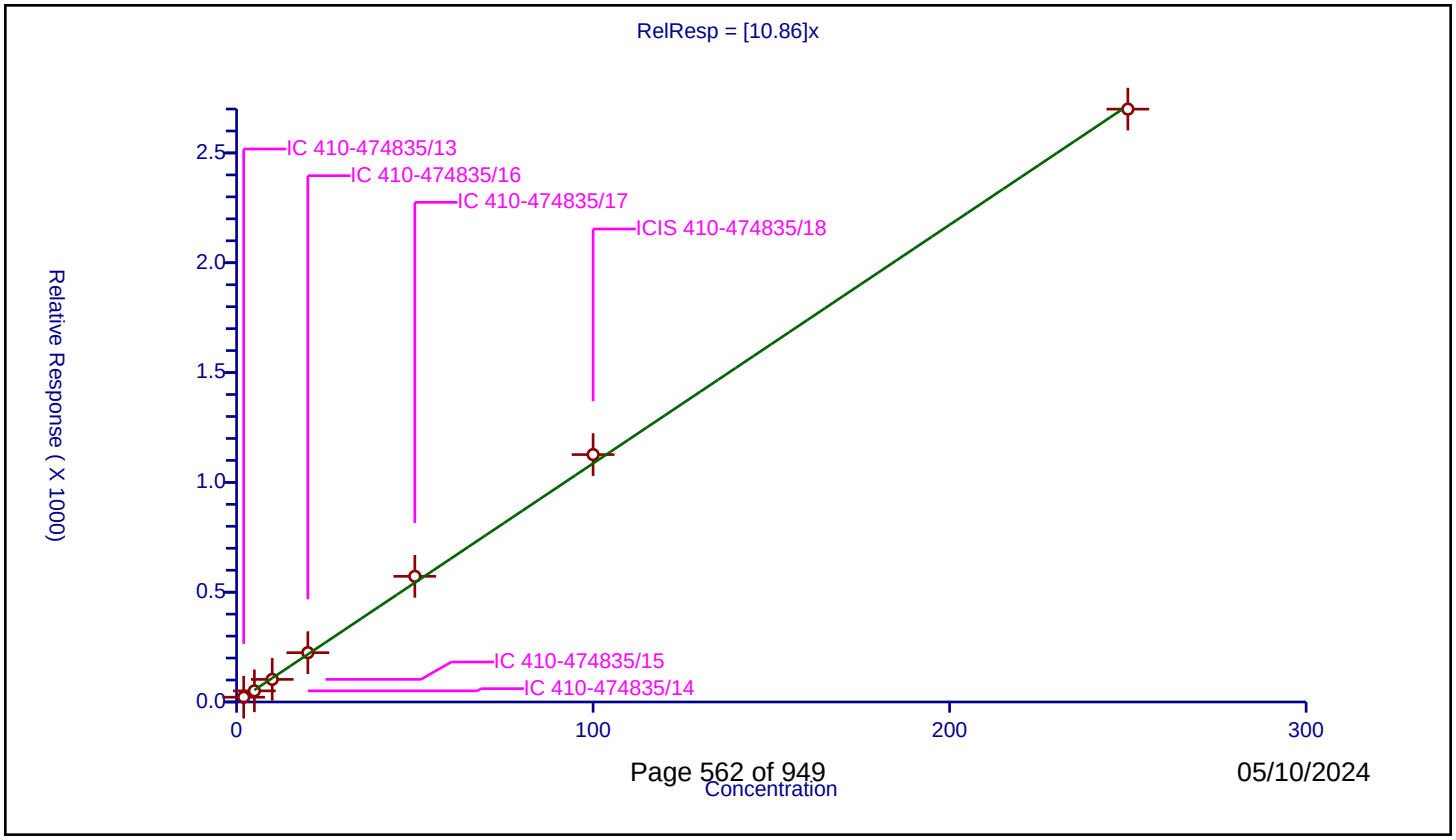
Curve Coefficients

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

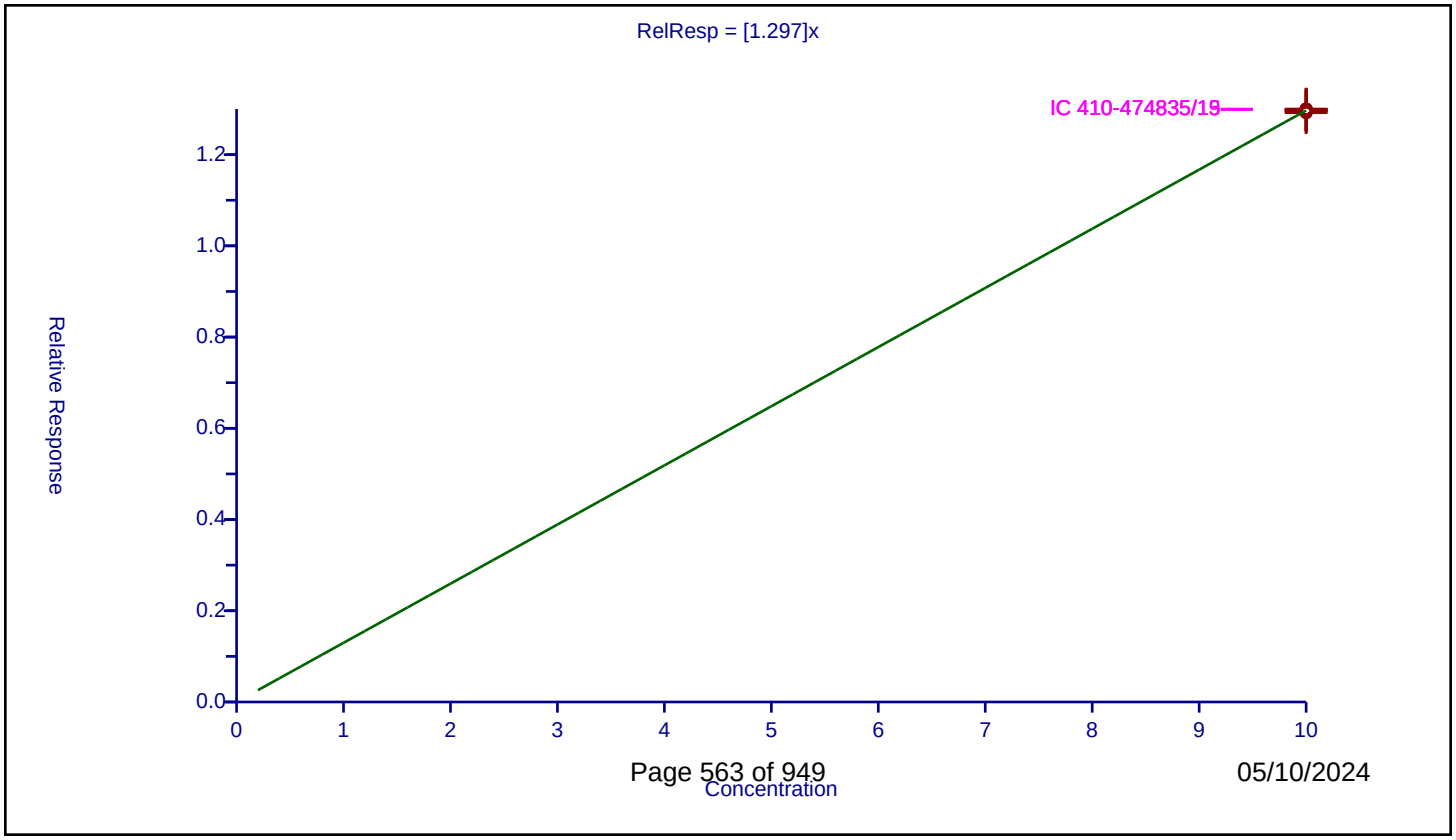
Curve Coefficients

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

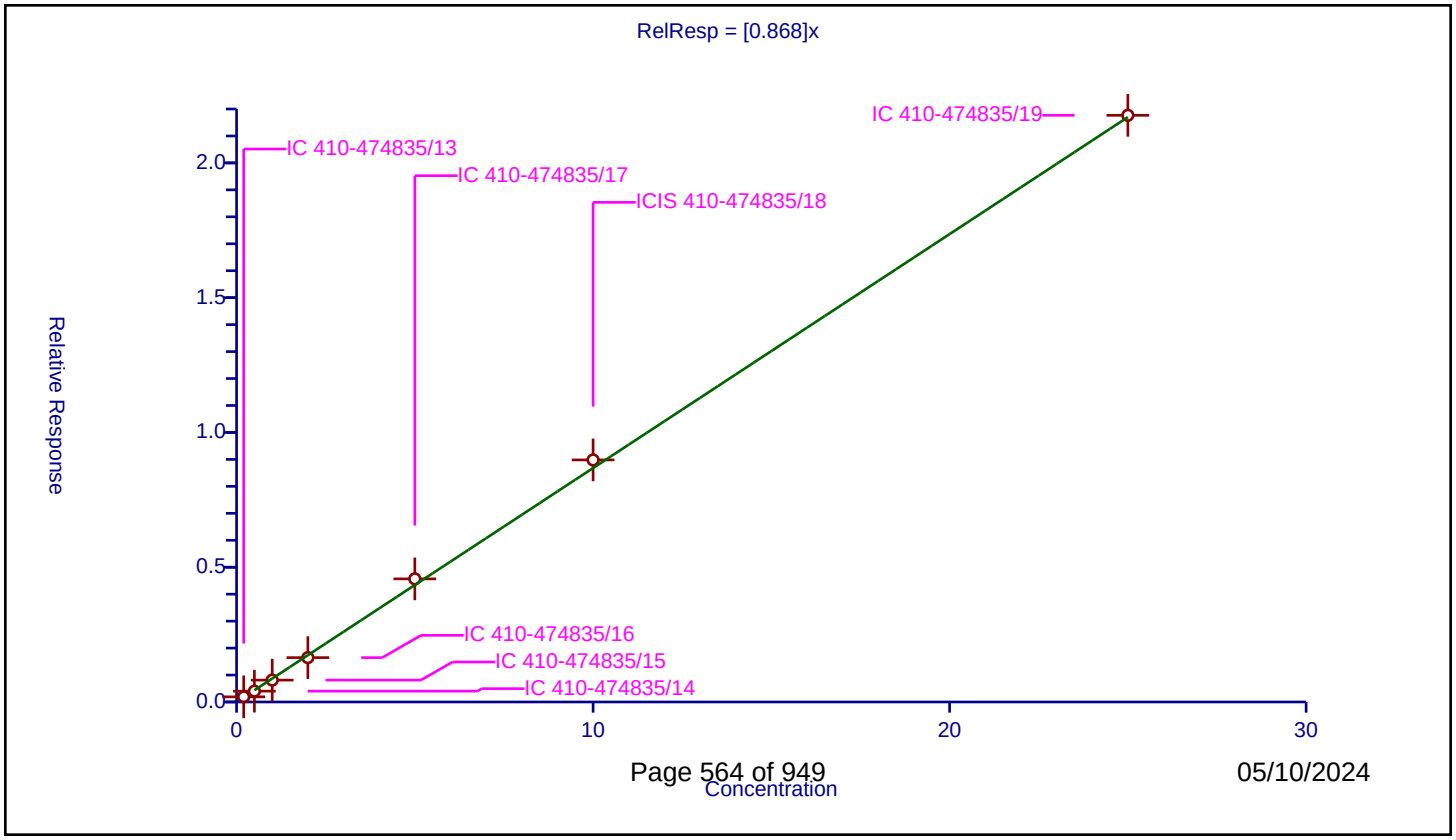
Curve Coefficients

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

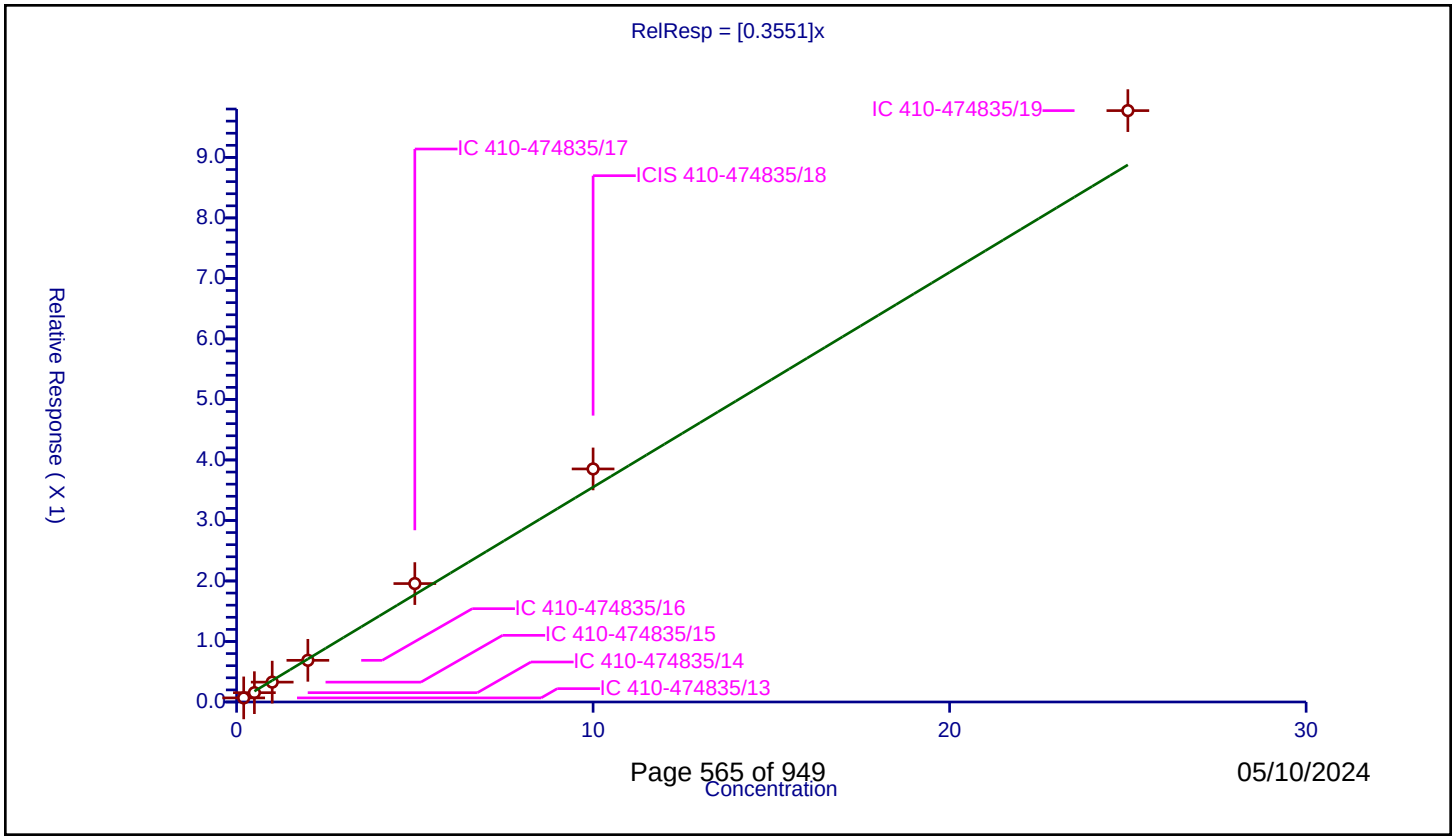
Curve Coefficients

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

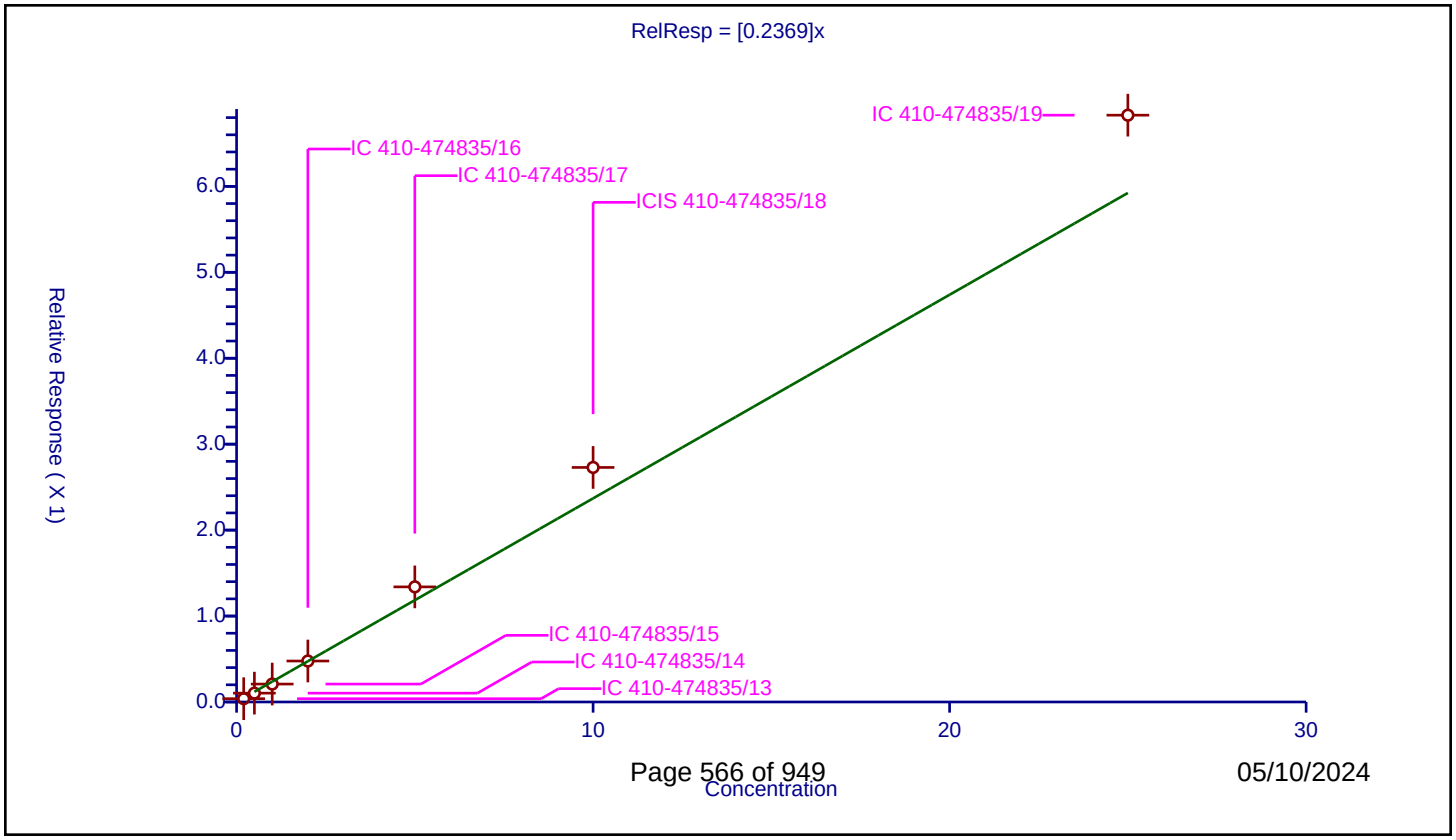
Curve Coefficients

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

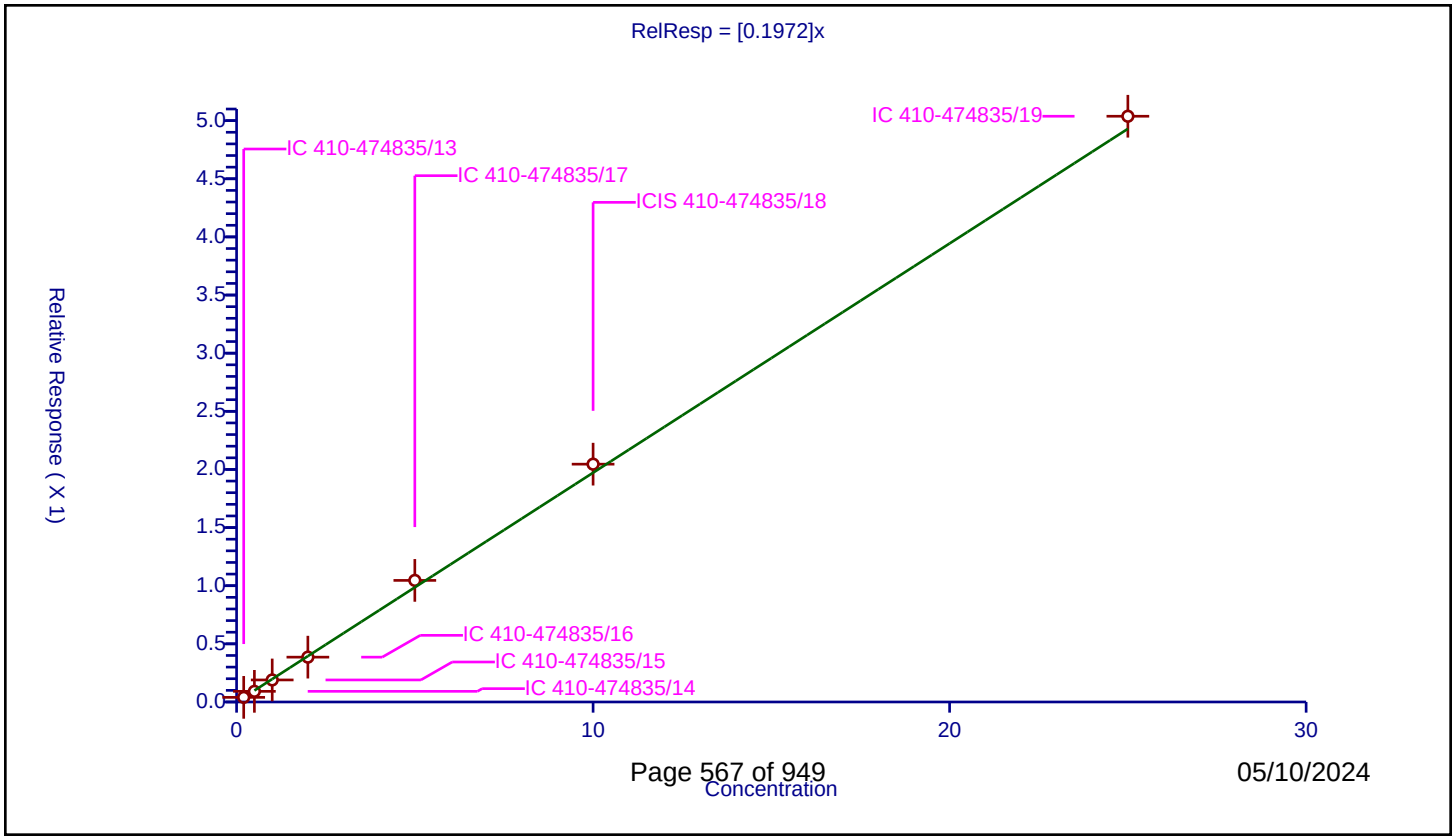
Curve Coefficients

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

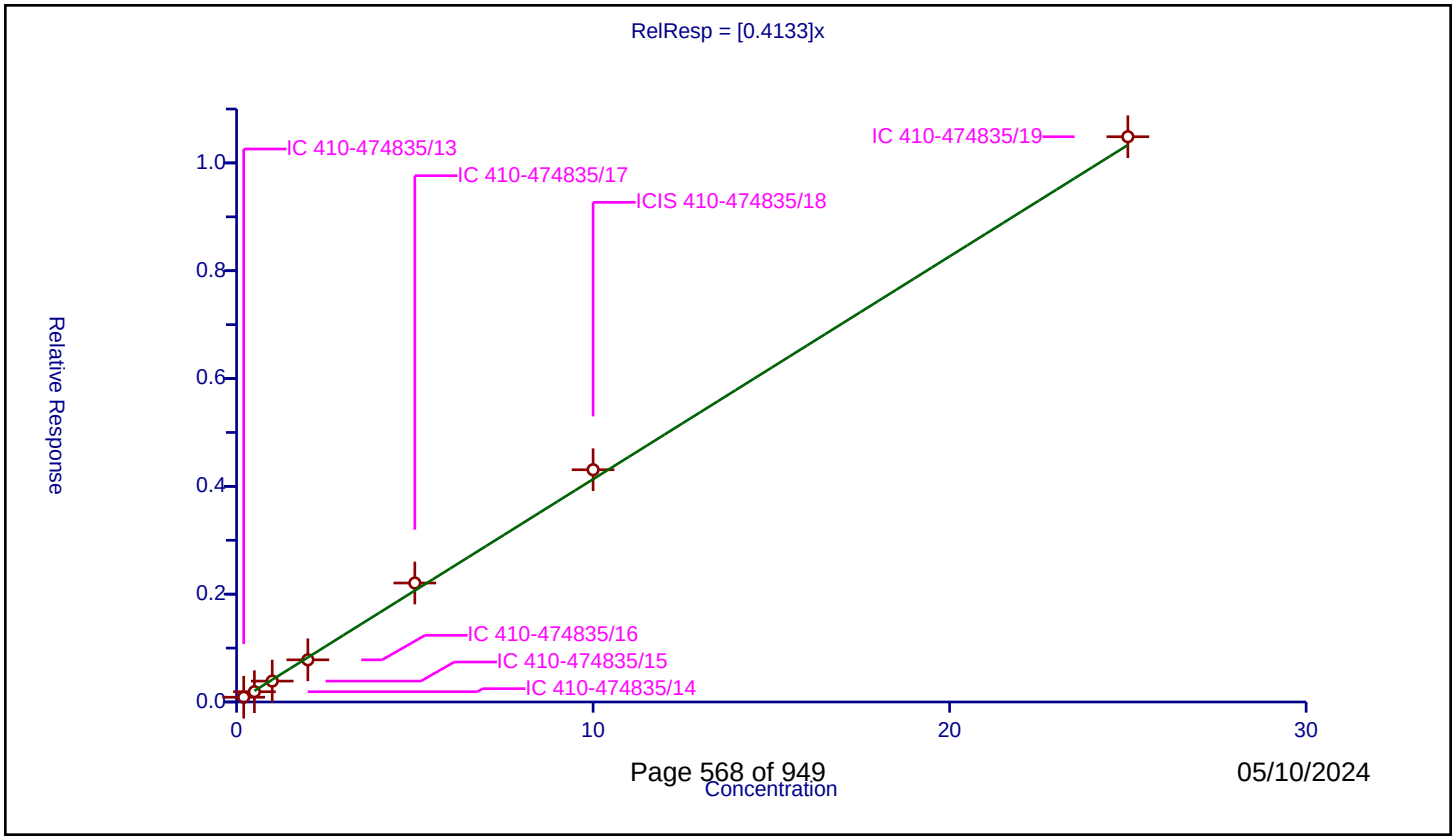
Curve Coefficients

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

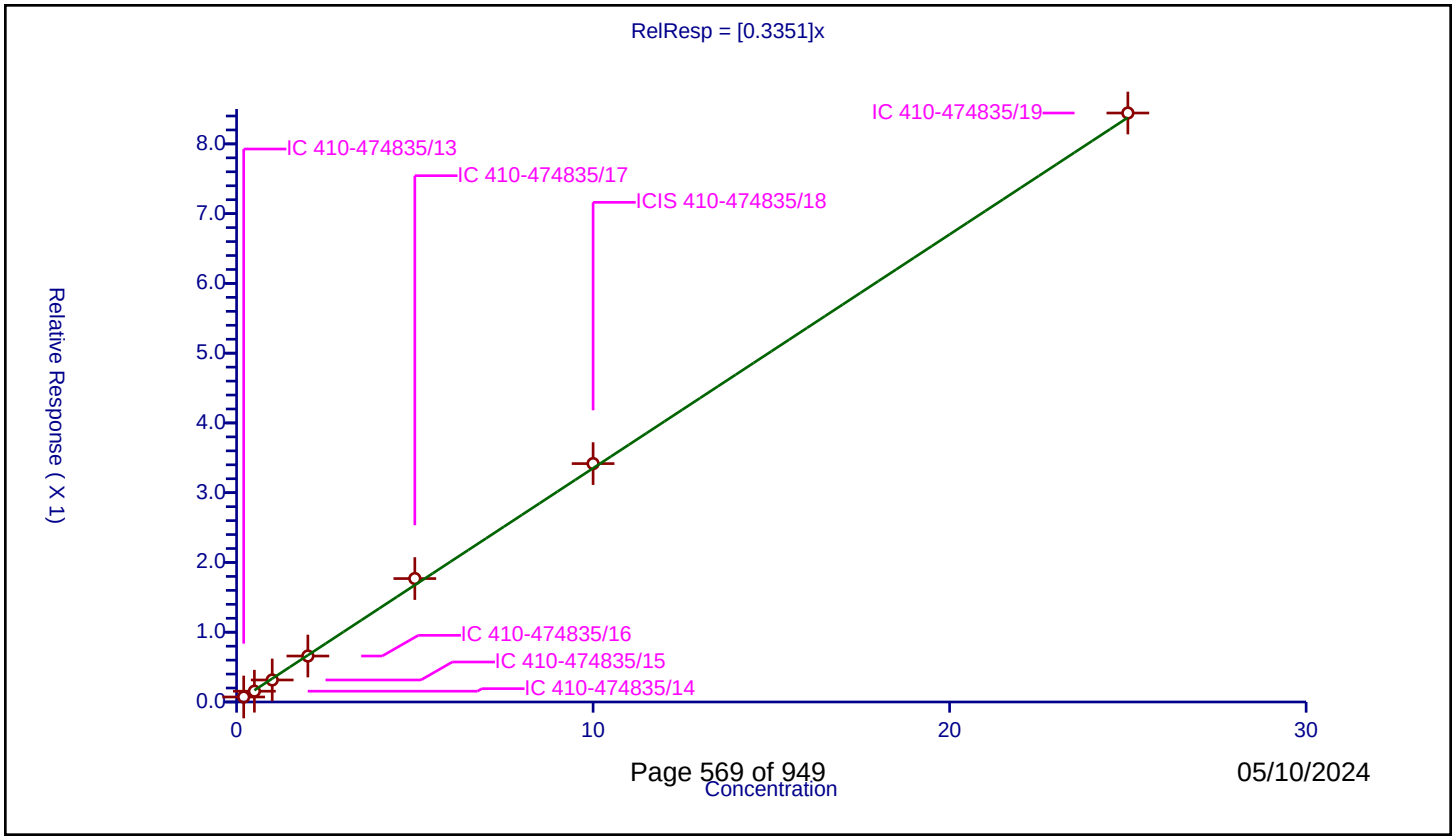
Curve Coefficients

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

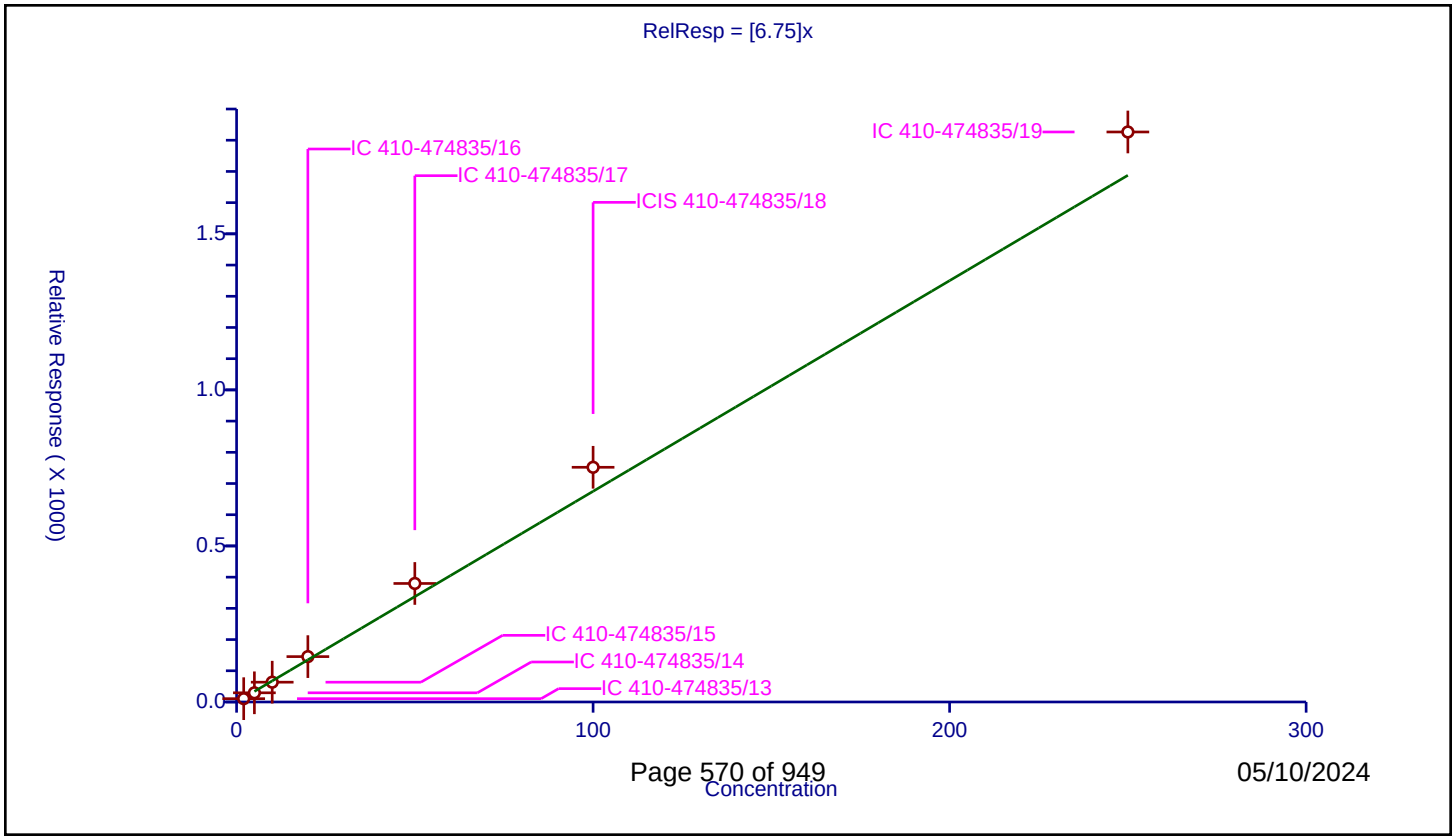
Curve Coefficients

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

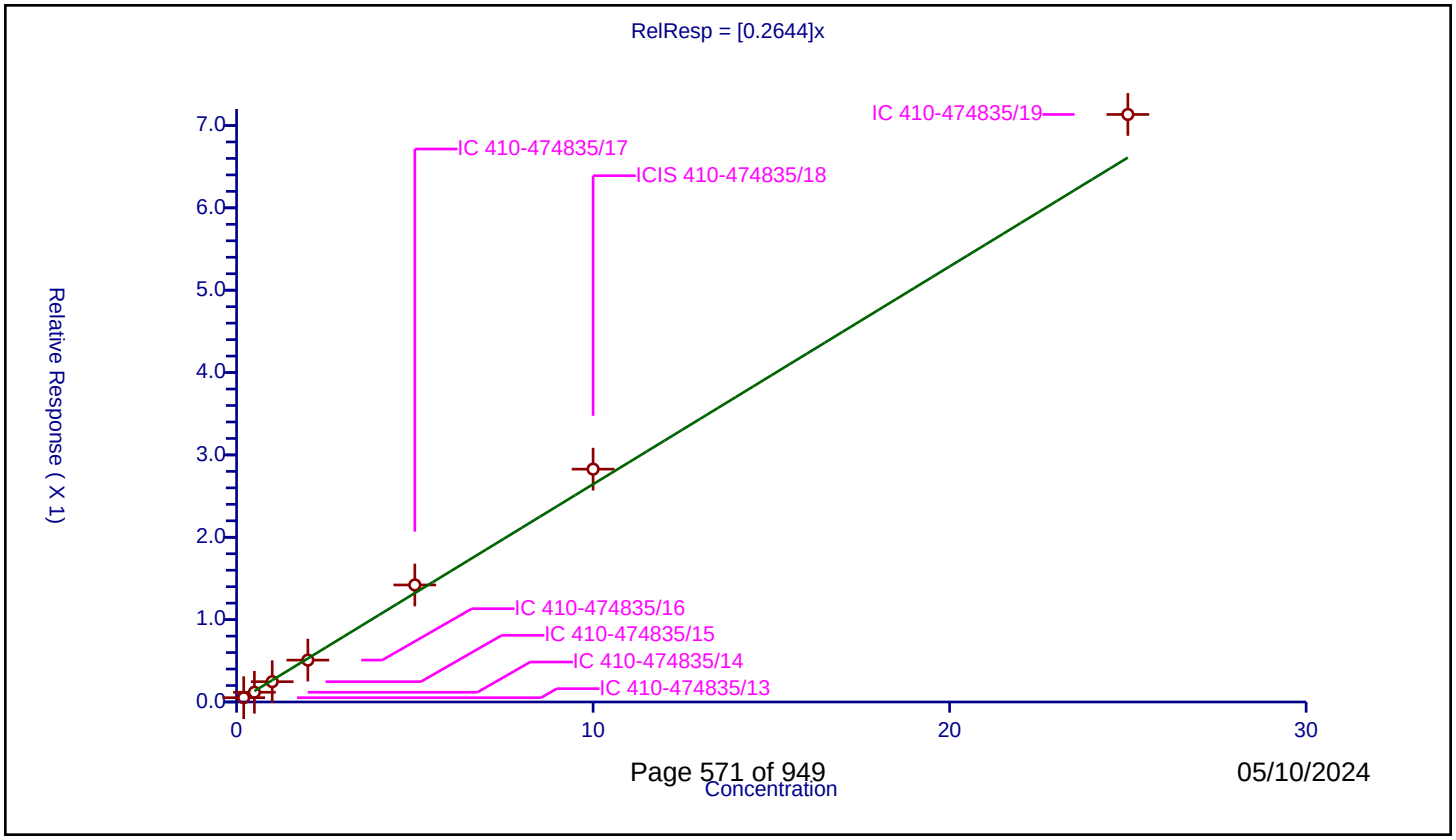
Curve Coefficients

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

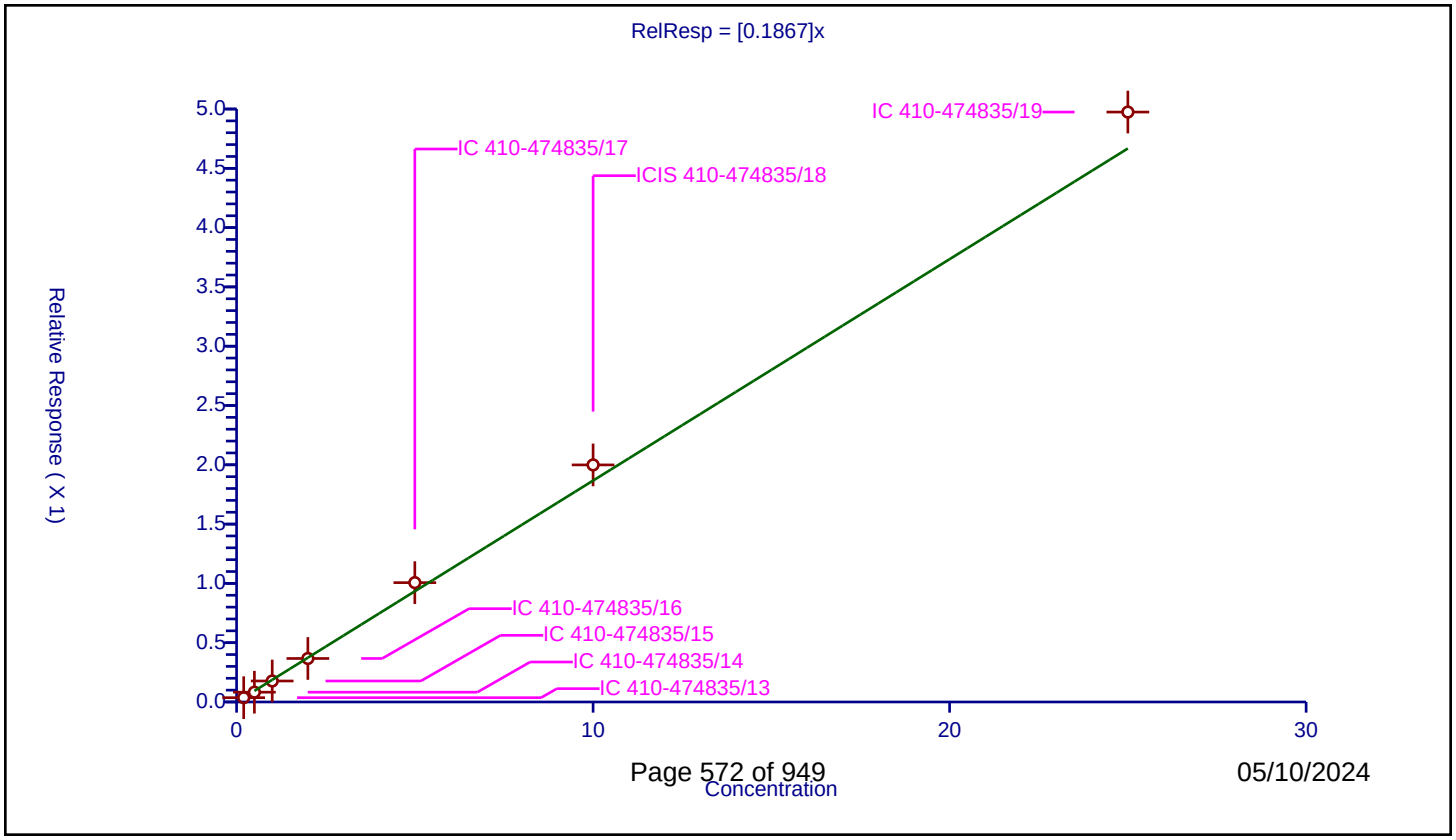
Curve Coefficients

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

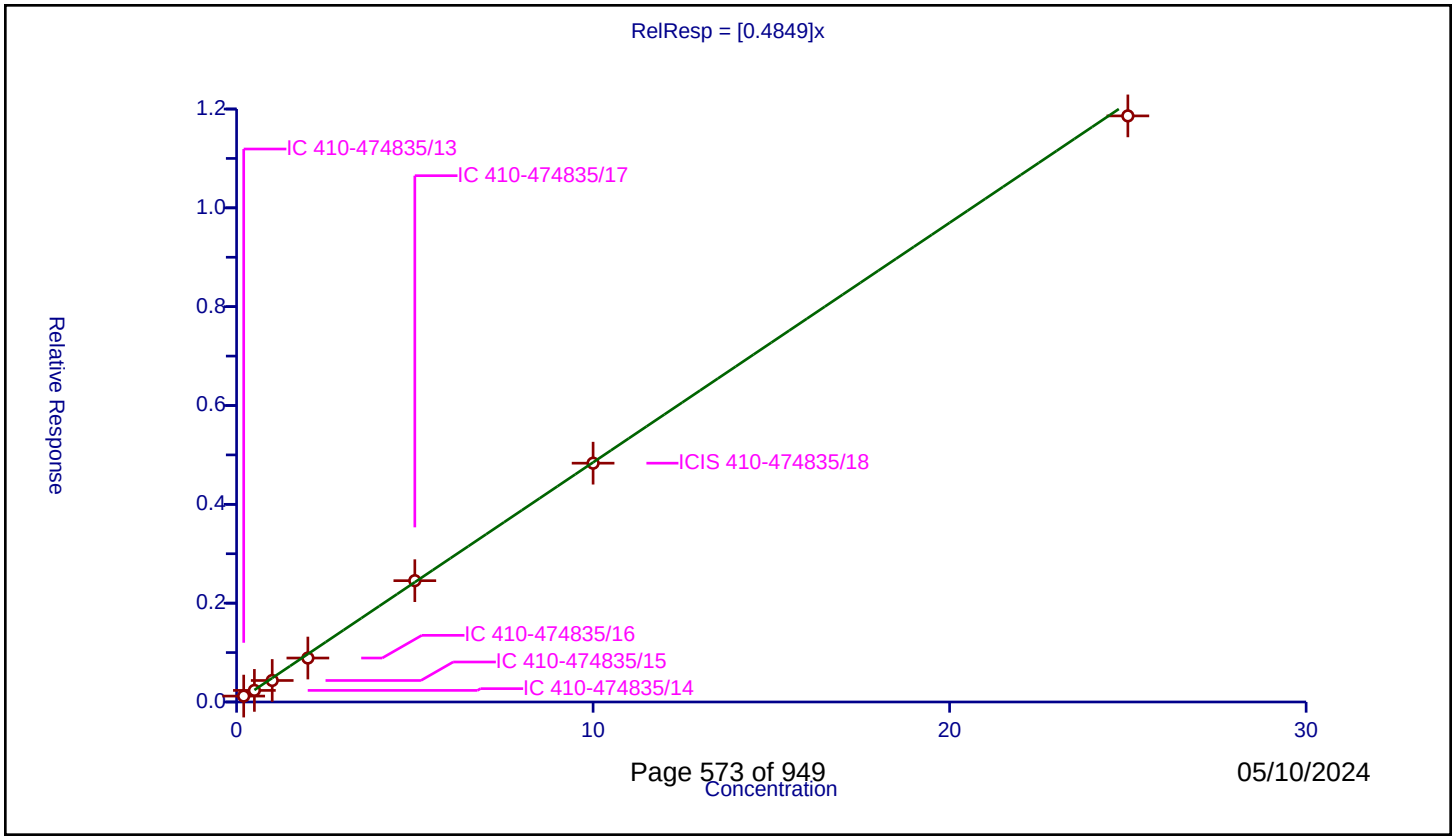
Curve Coefficients

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

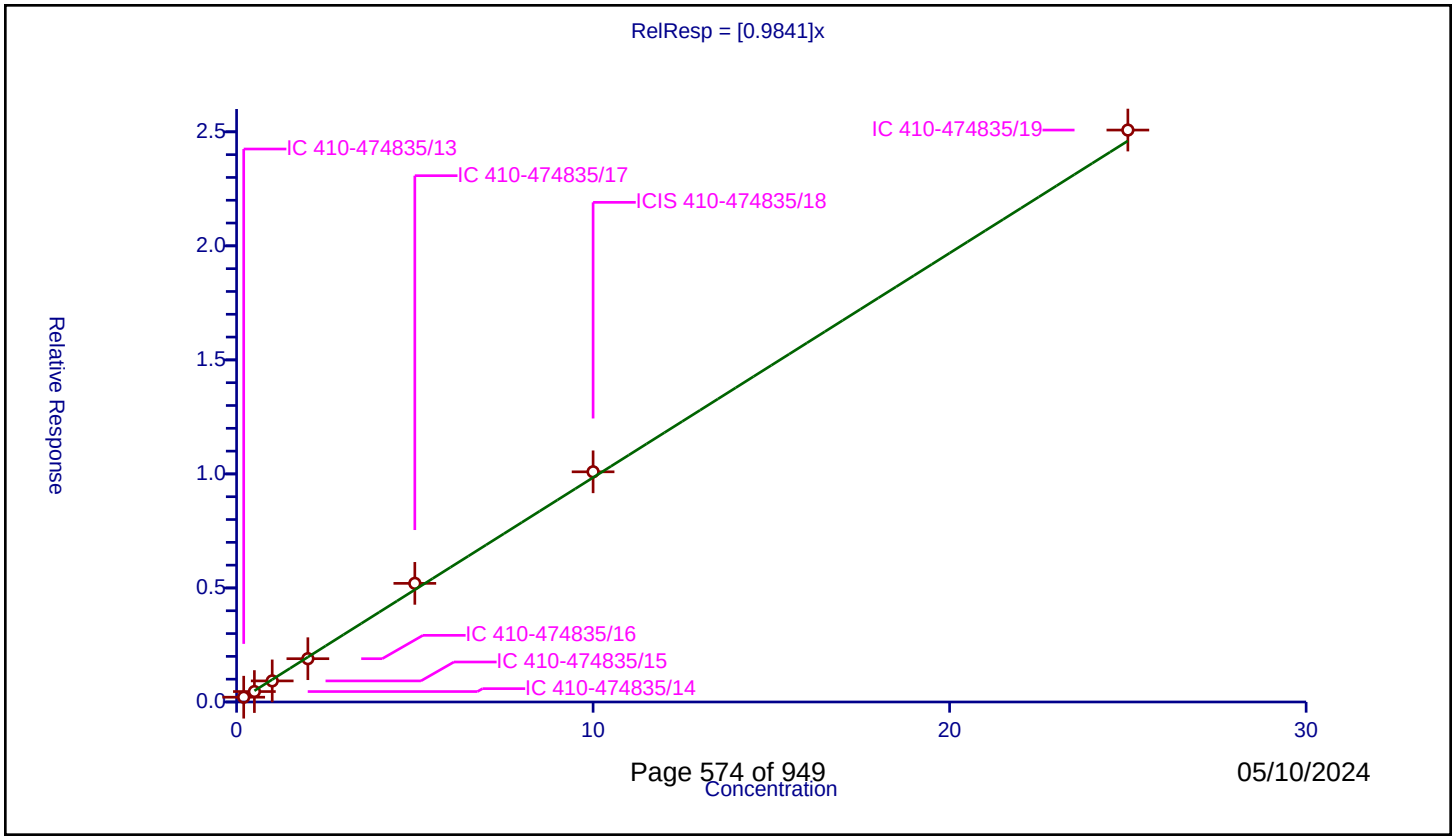
Curve Coefficients

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

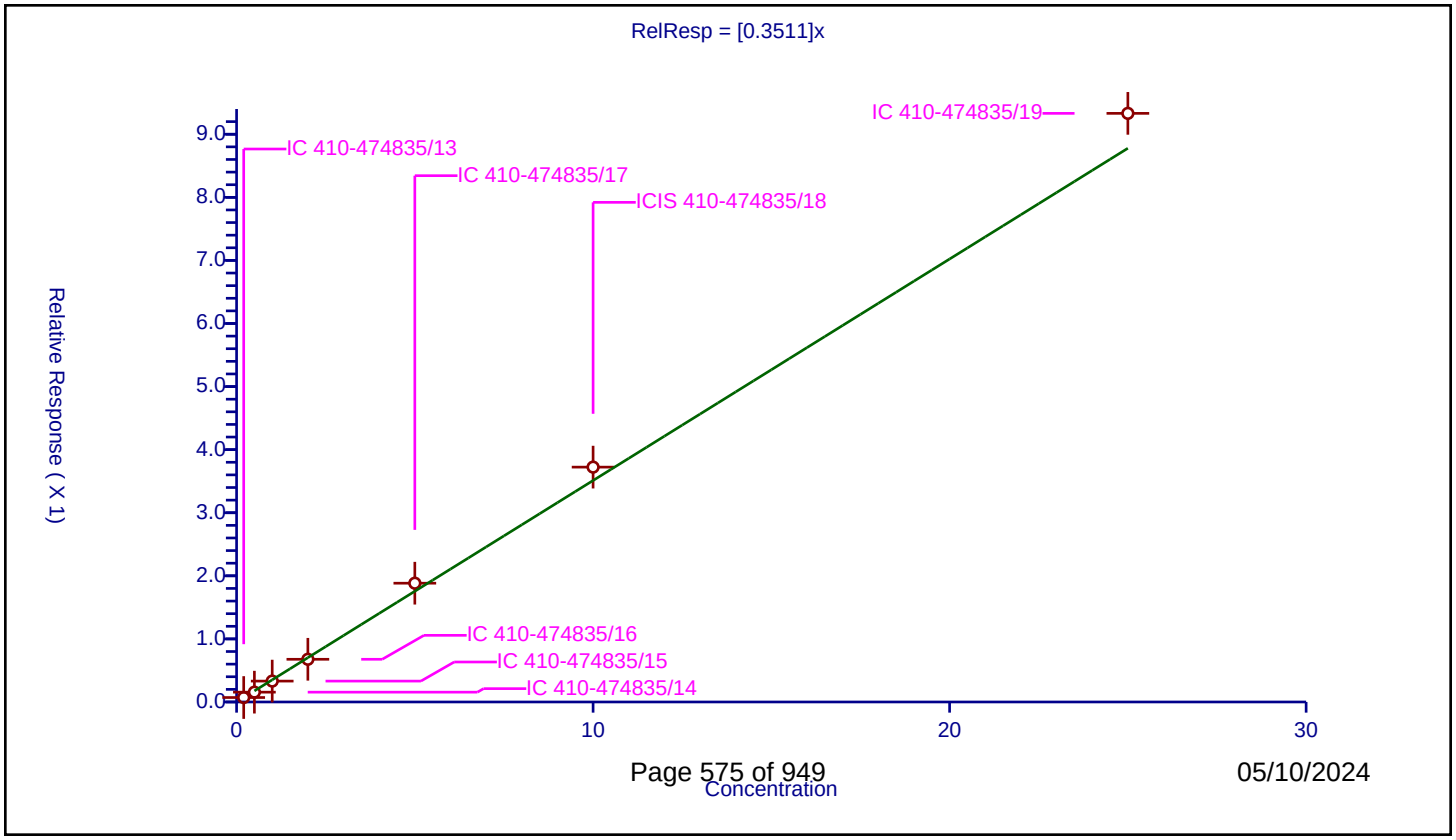
Curve Coefficients

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

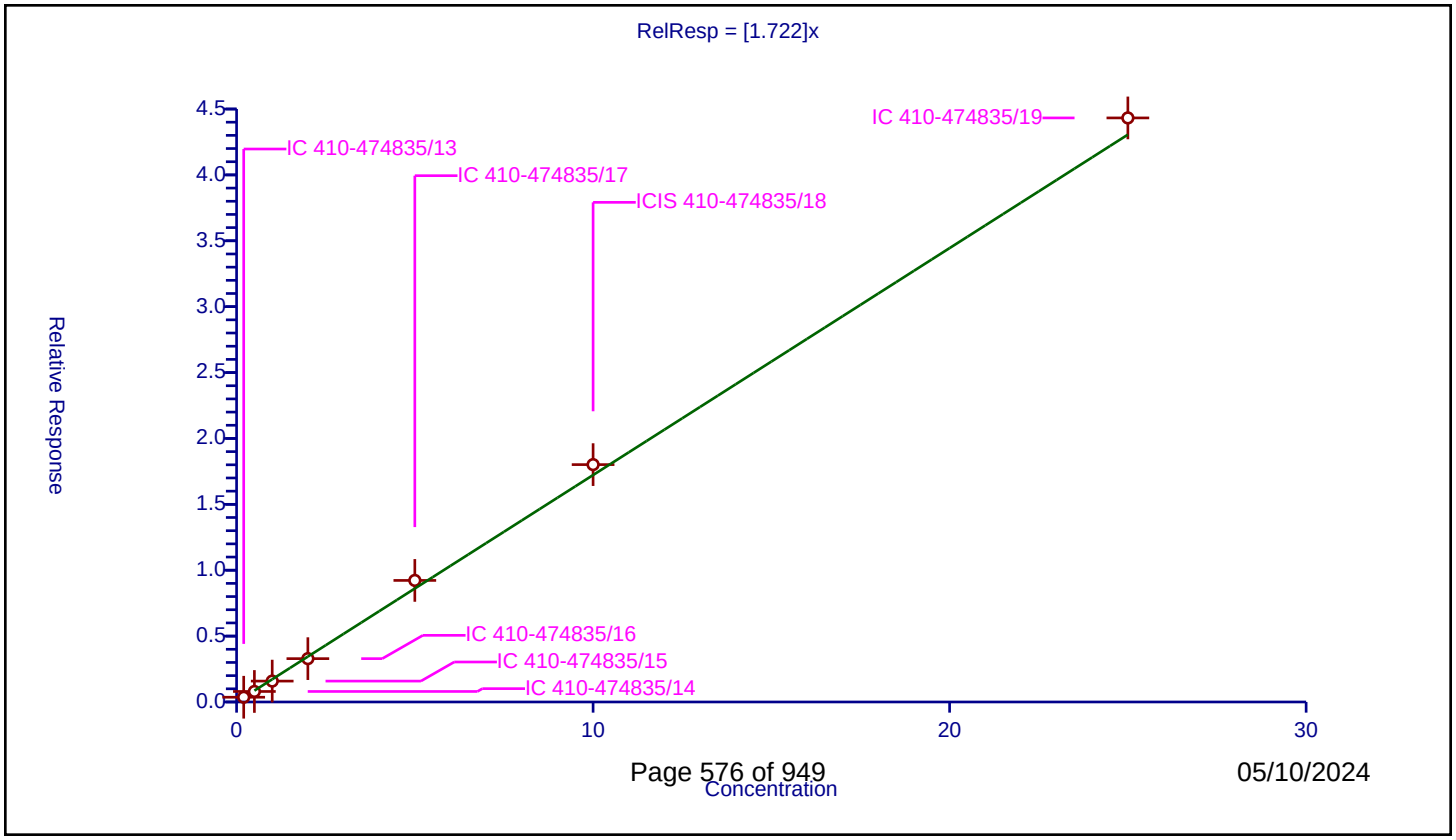
Curve Coefficients

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

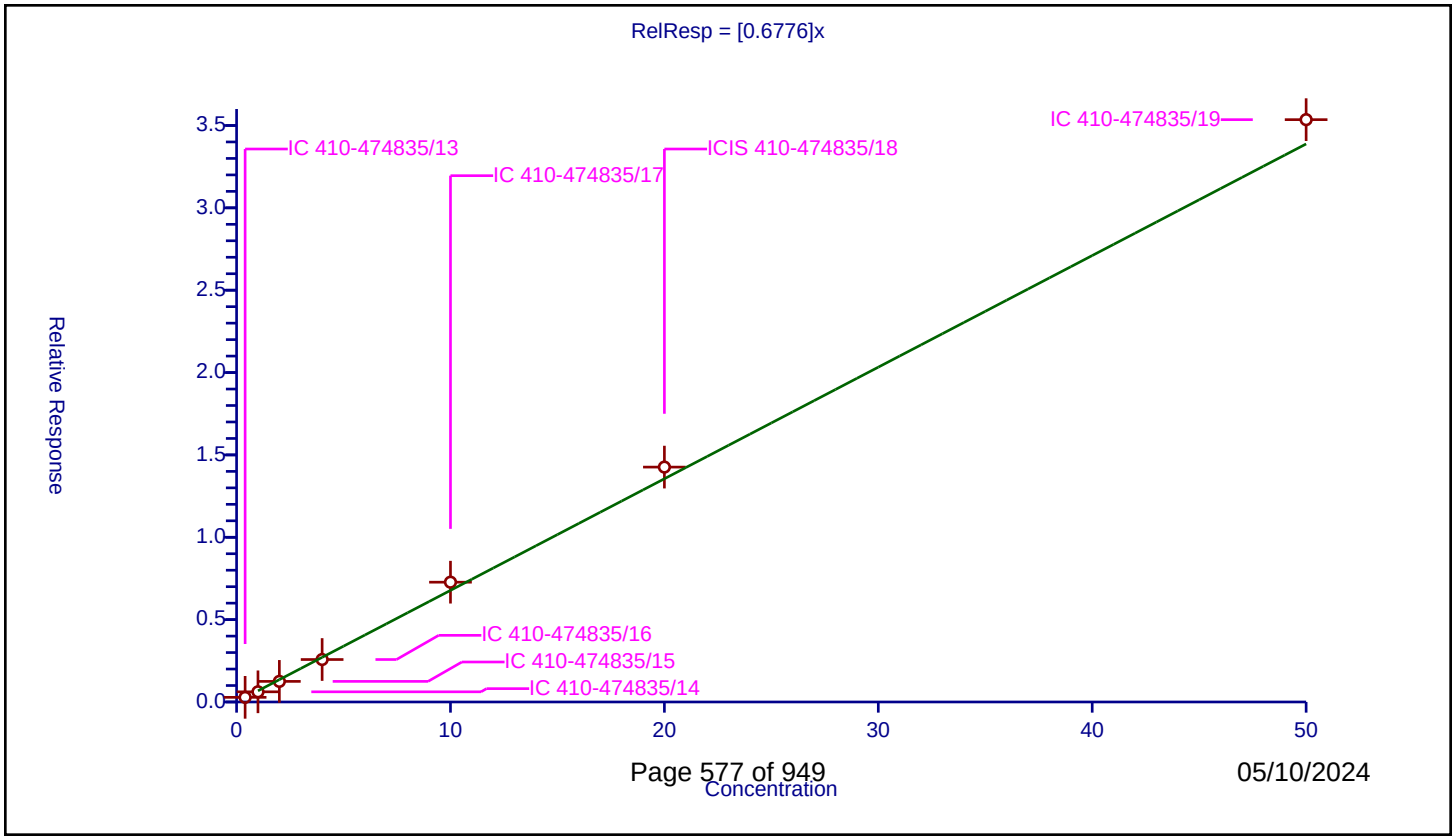
Curve Coefficients

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

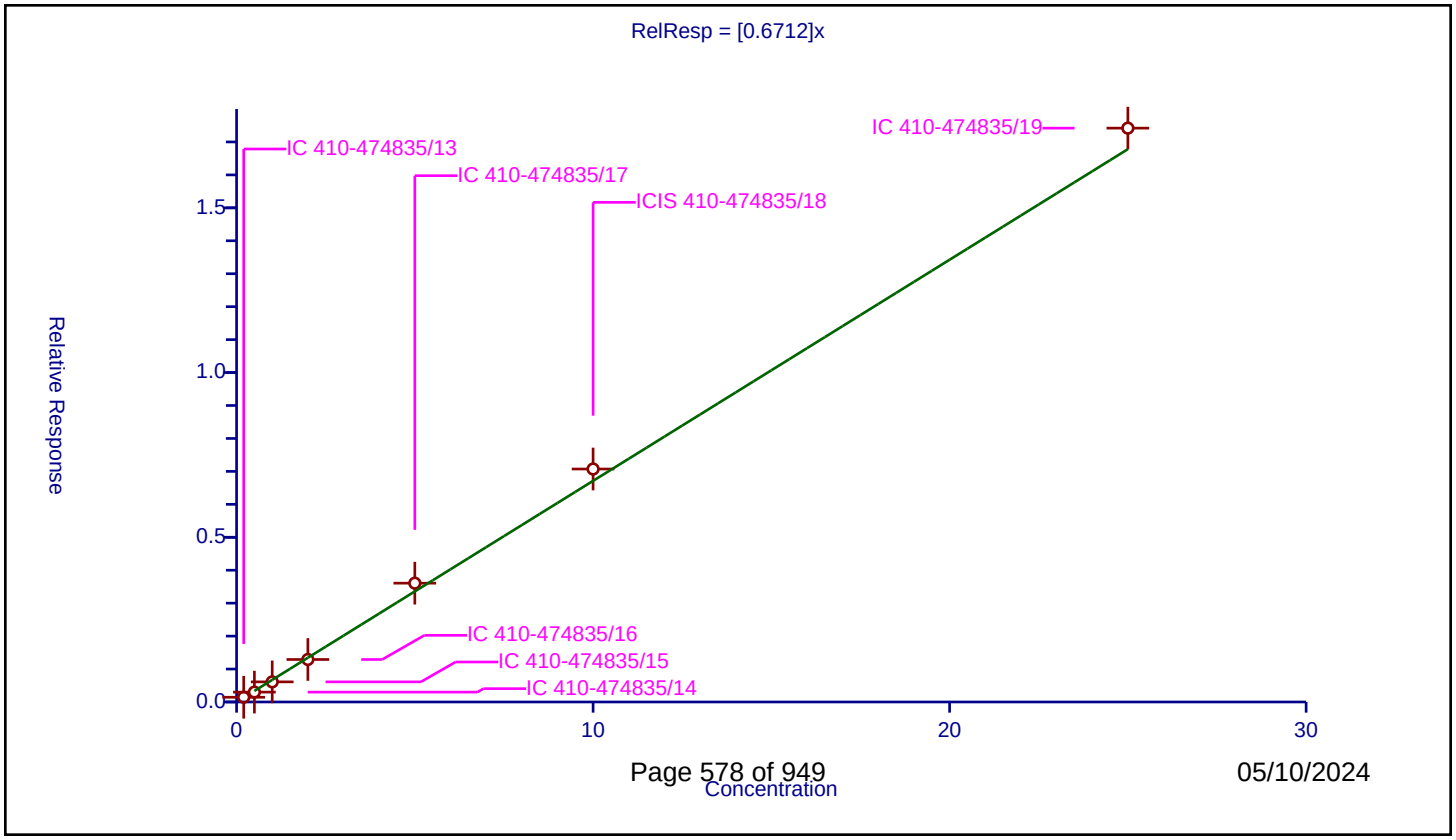
Curve Coefficients

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

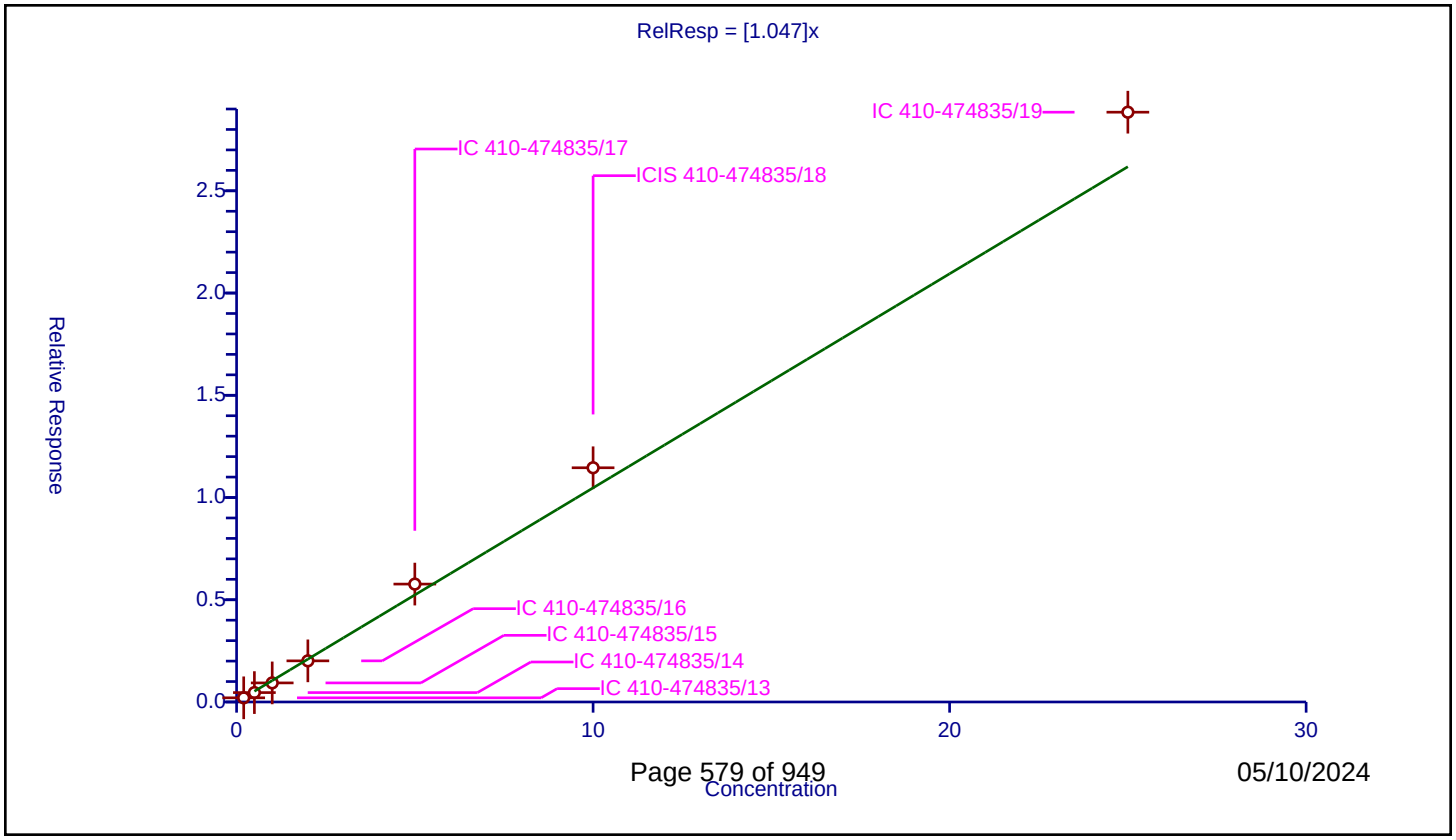
Curve Coefficients

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

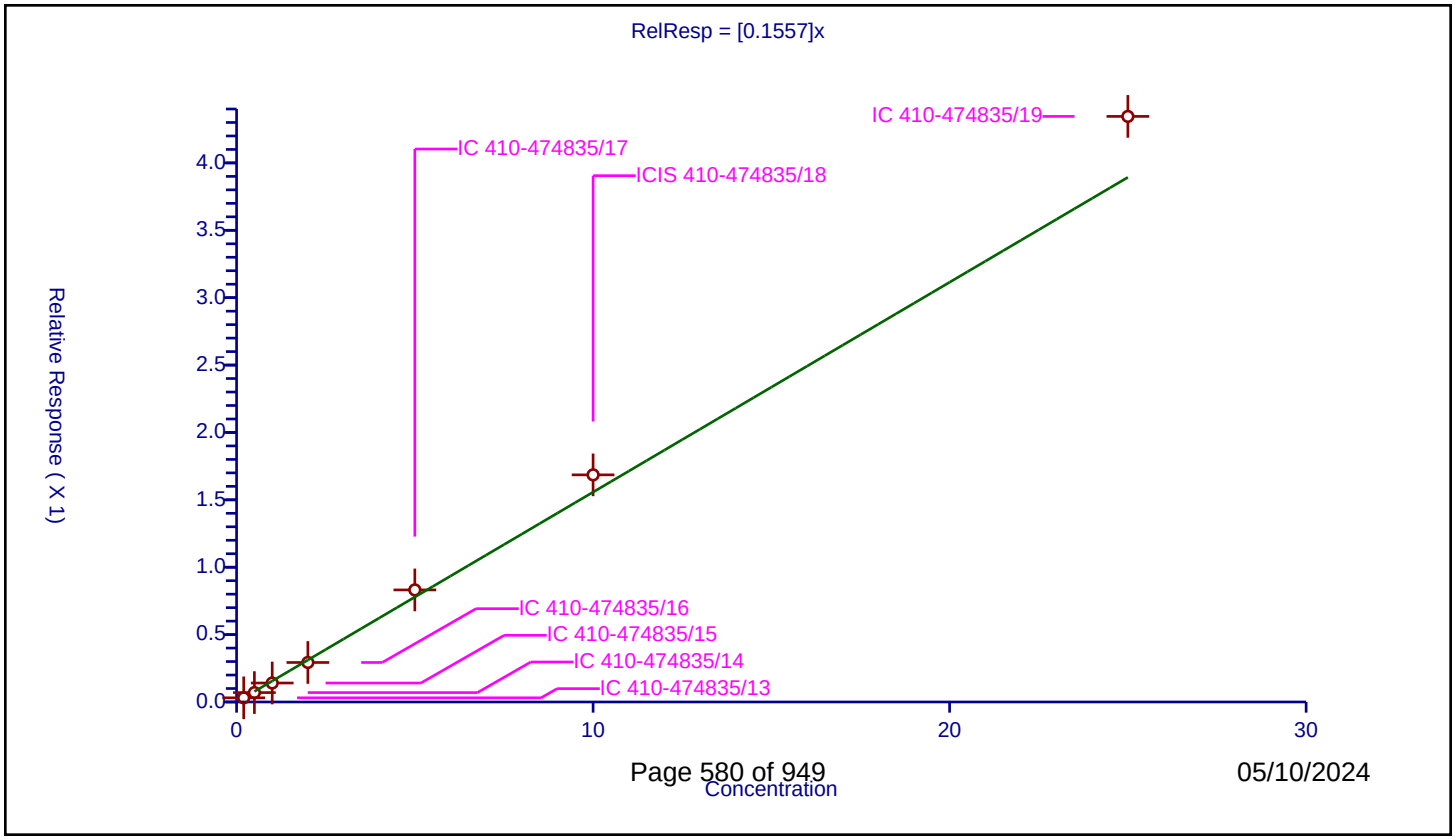
Curve Coefficients

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

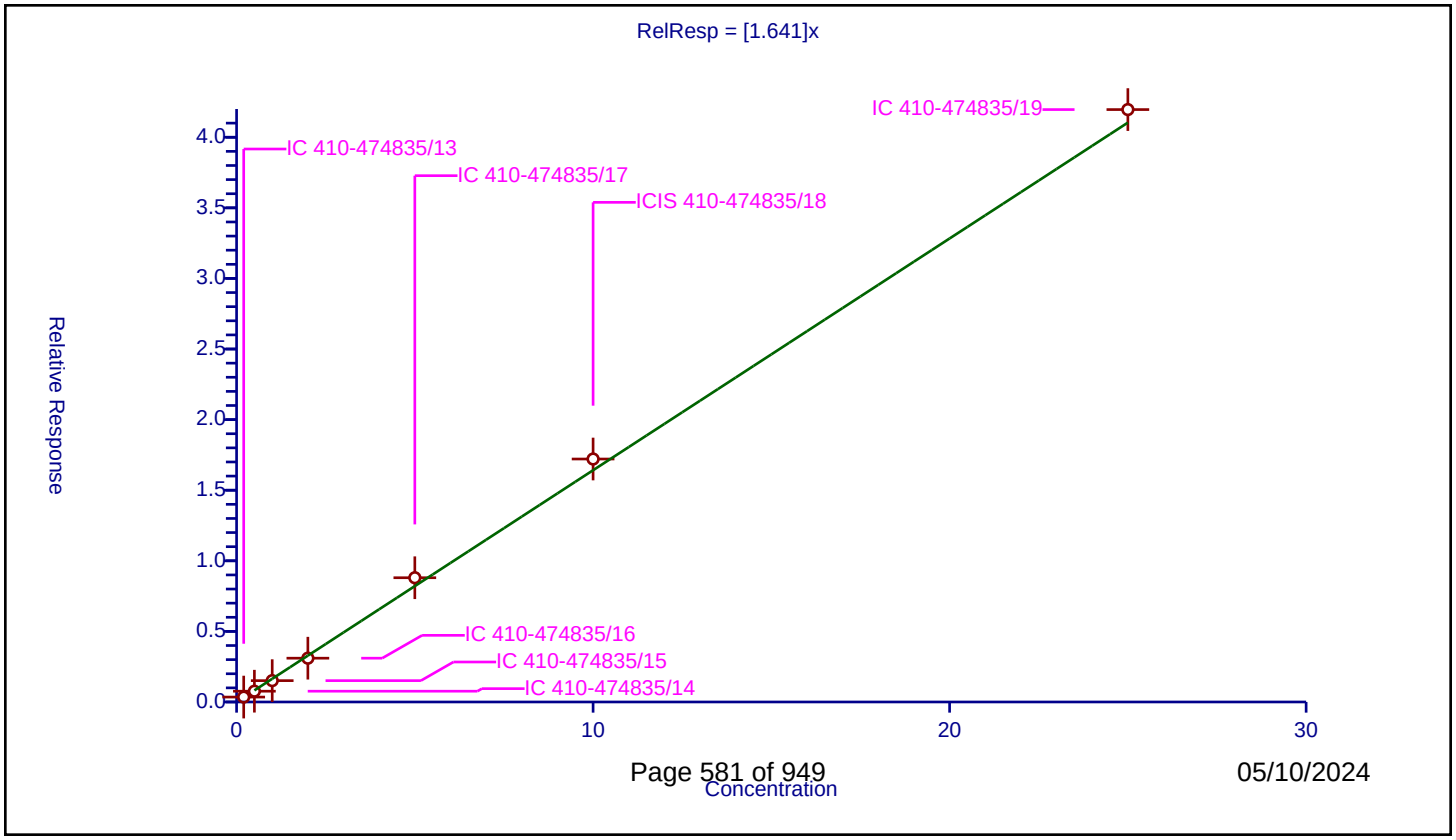
Curve Coefficients

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

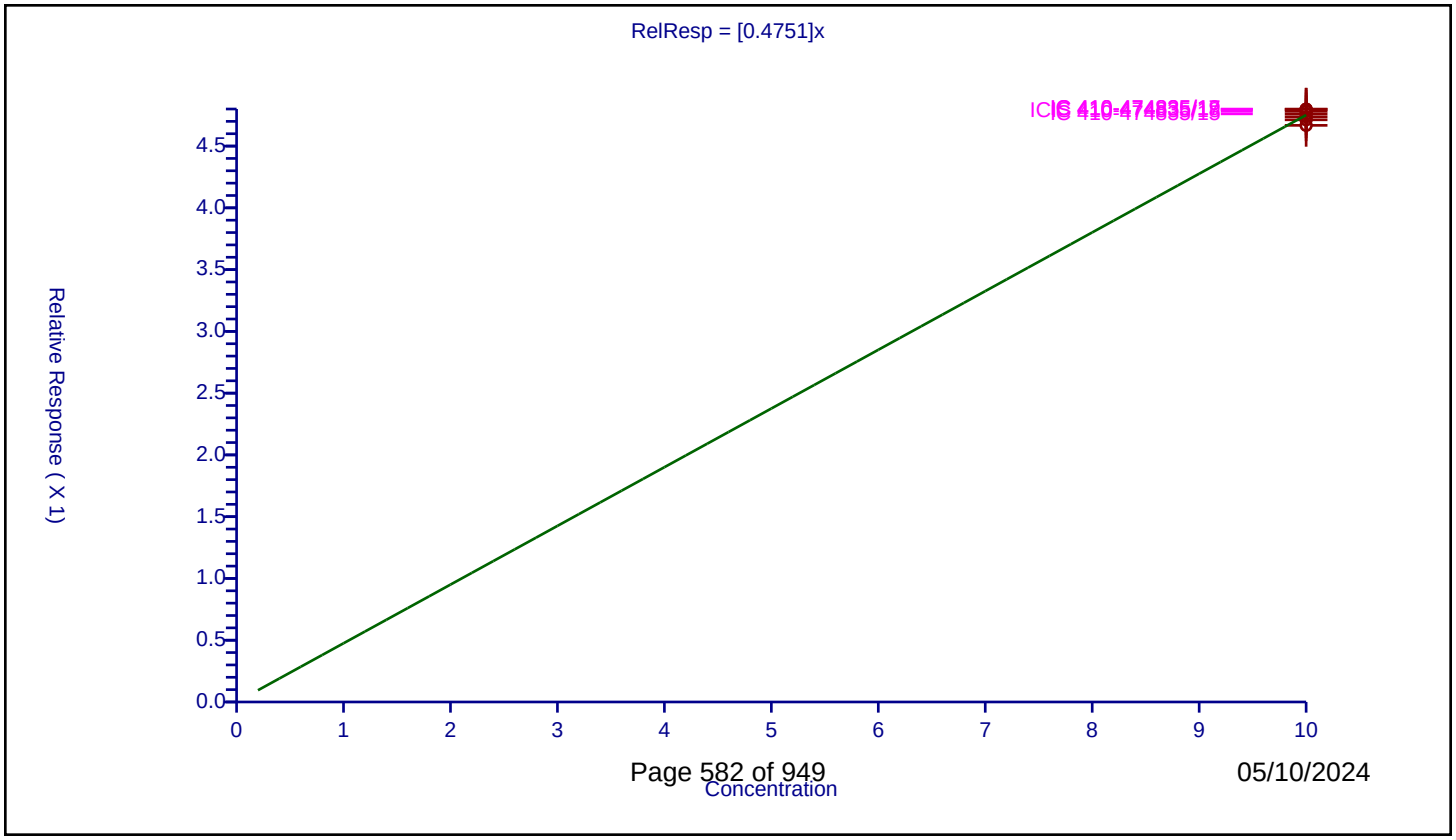
Curve Coefficients

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

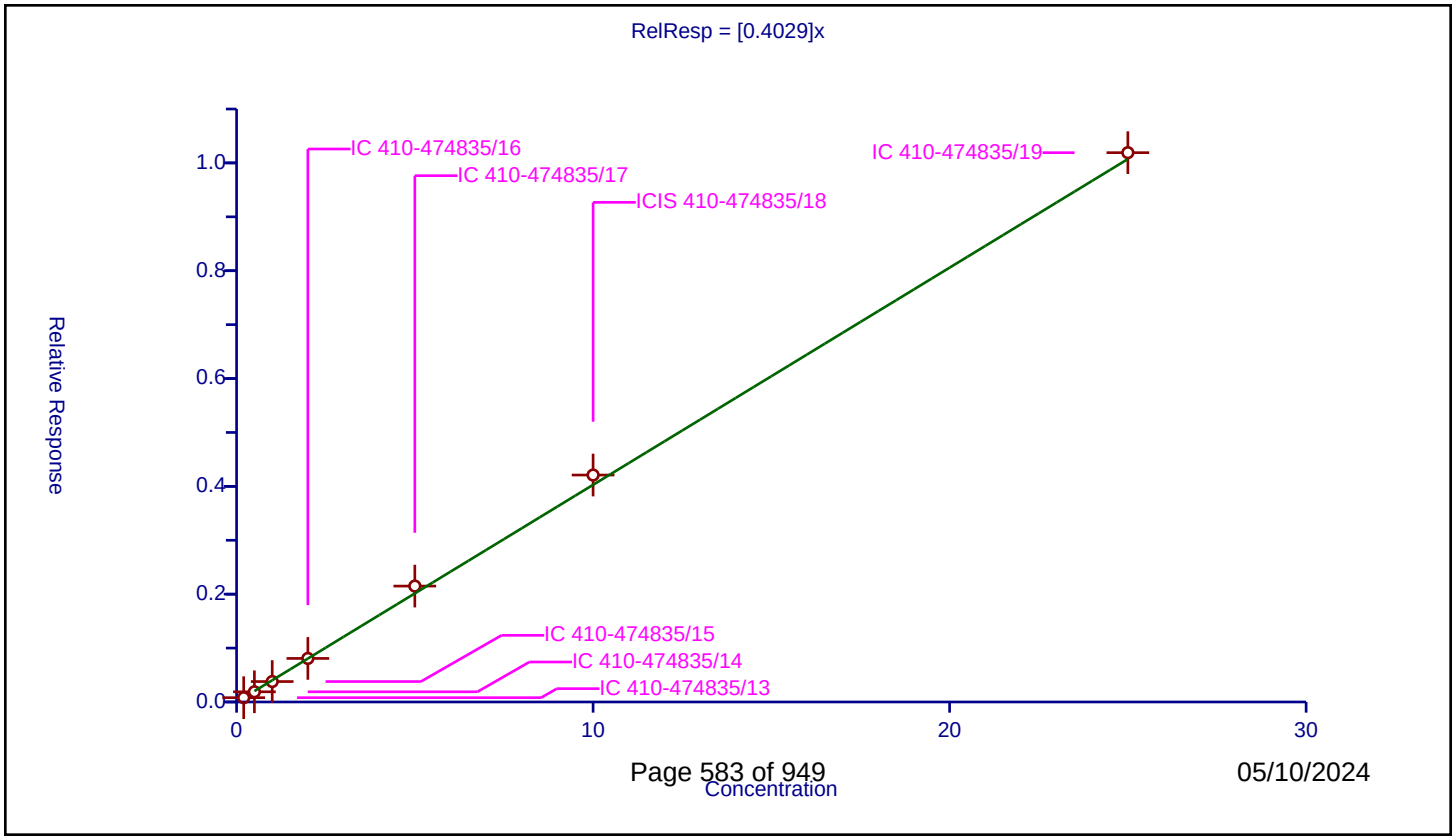
Curve Coefficients

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

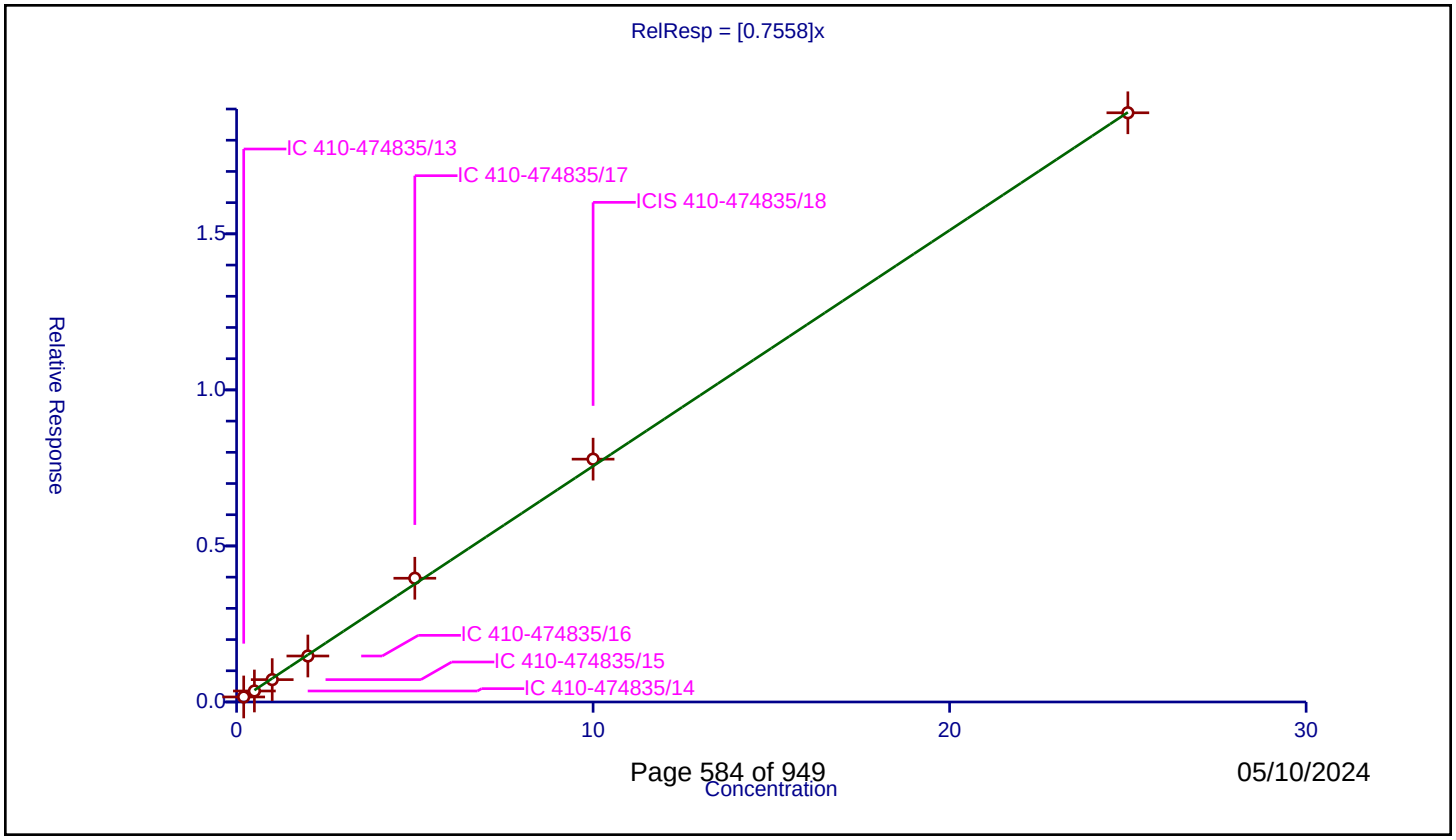
Curve Coefficients

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

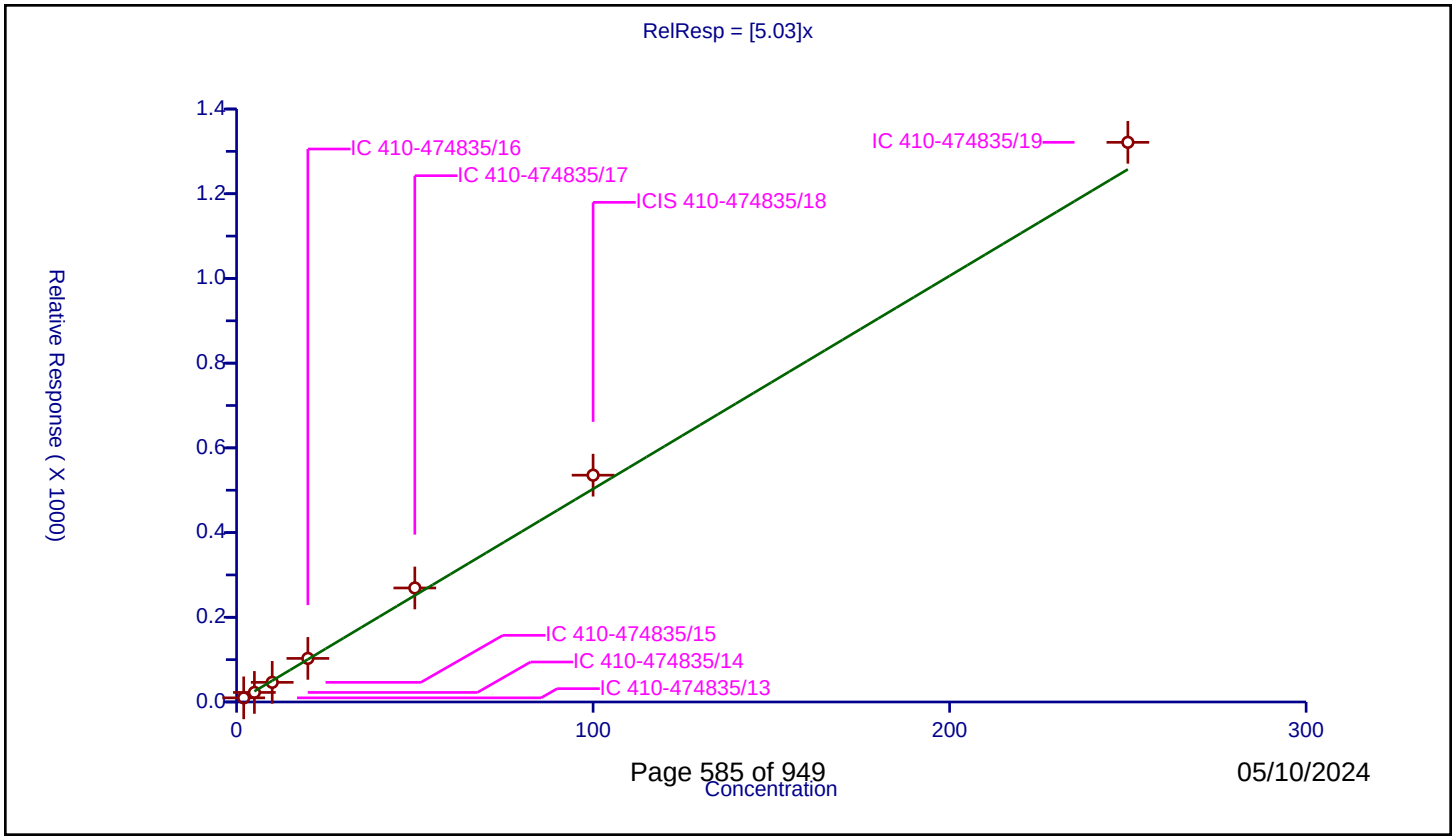
Curve Coefficients

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

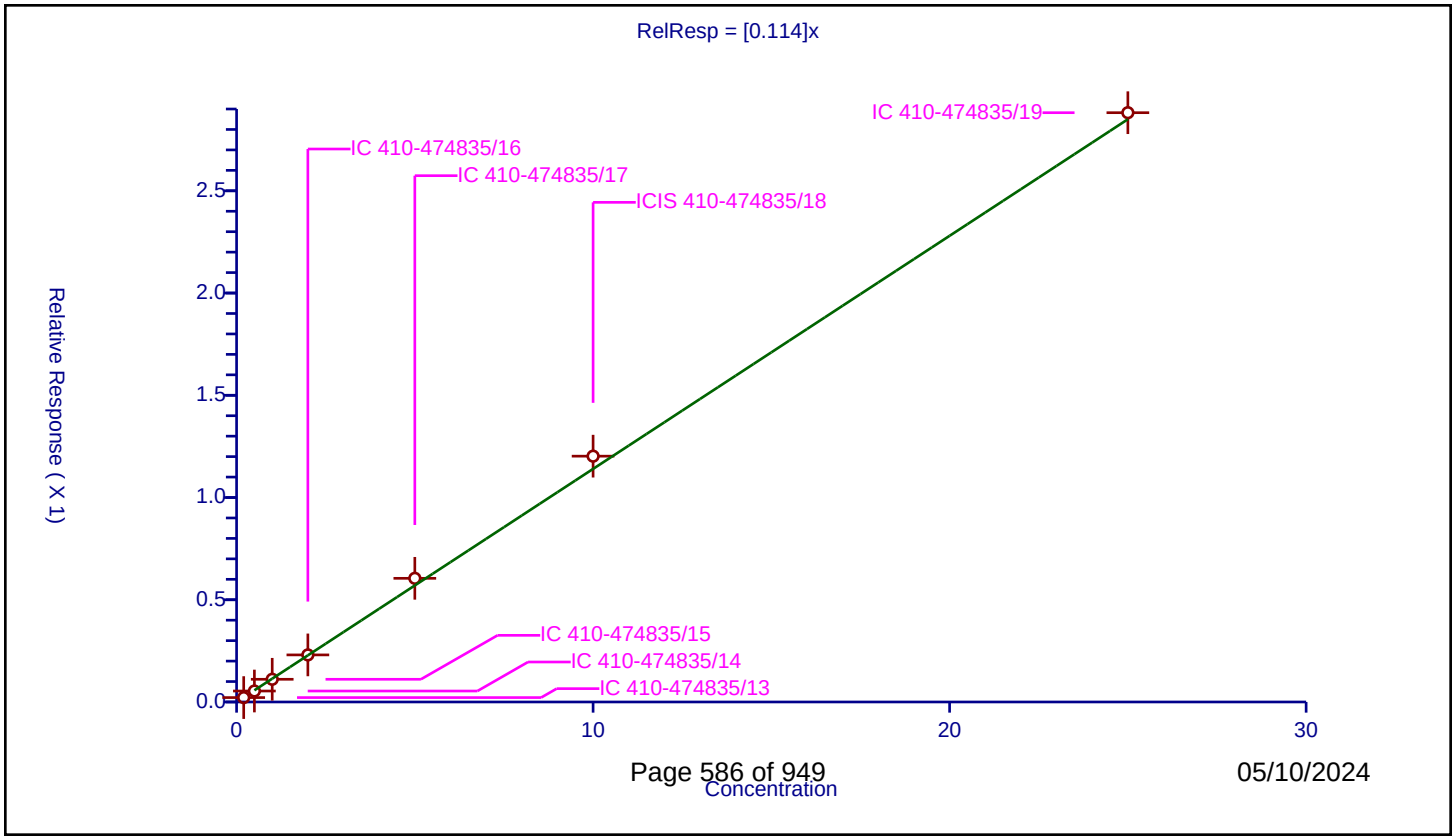
Curve Coefficients

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

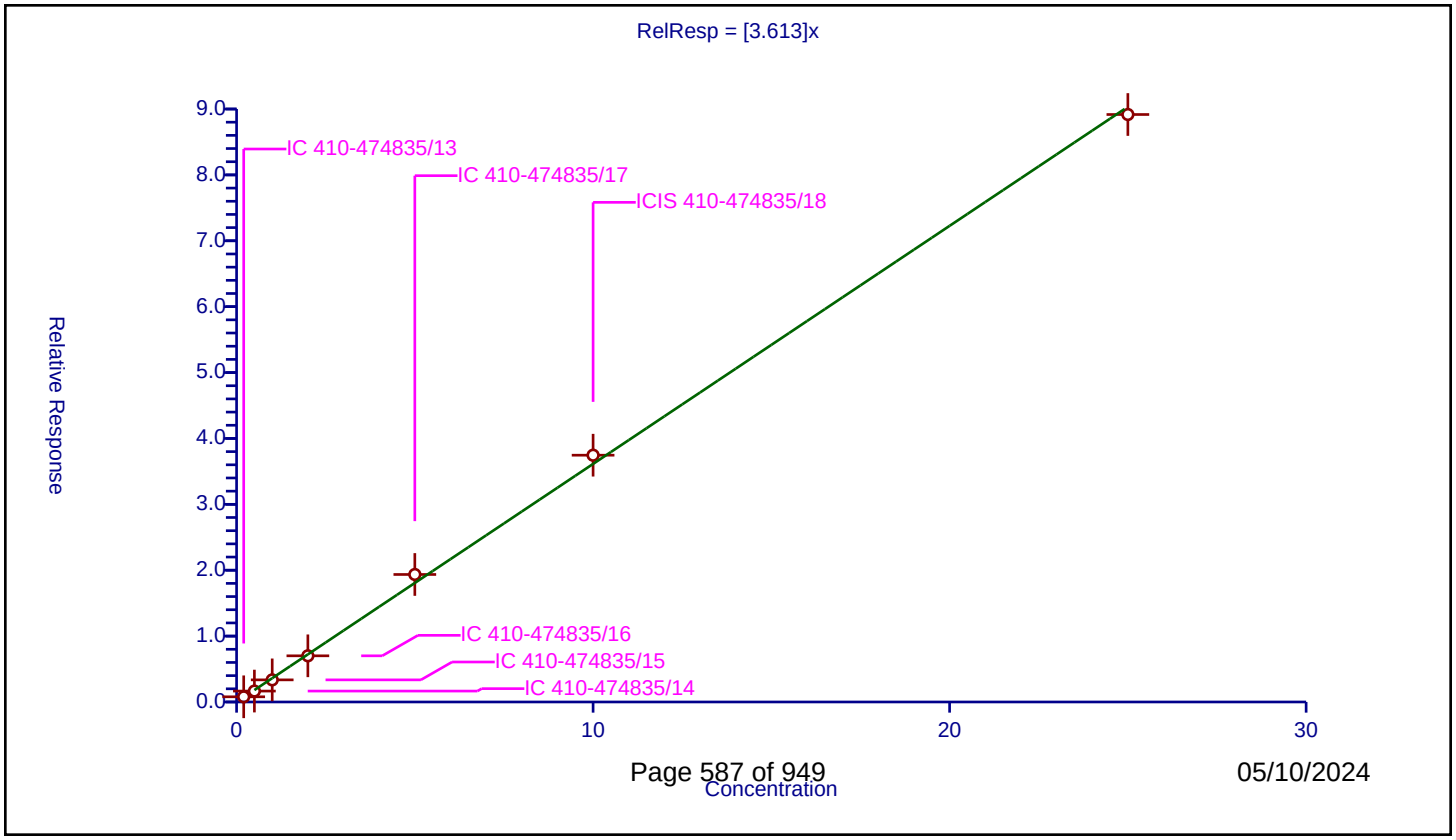
Curve Coefficients

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

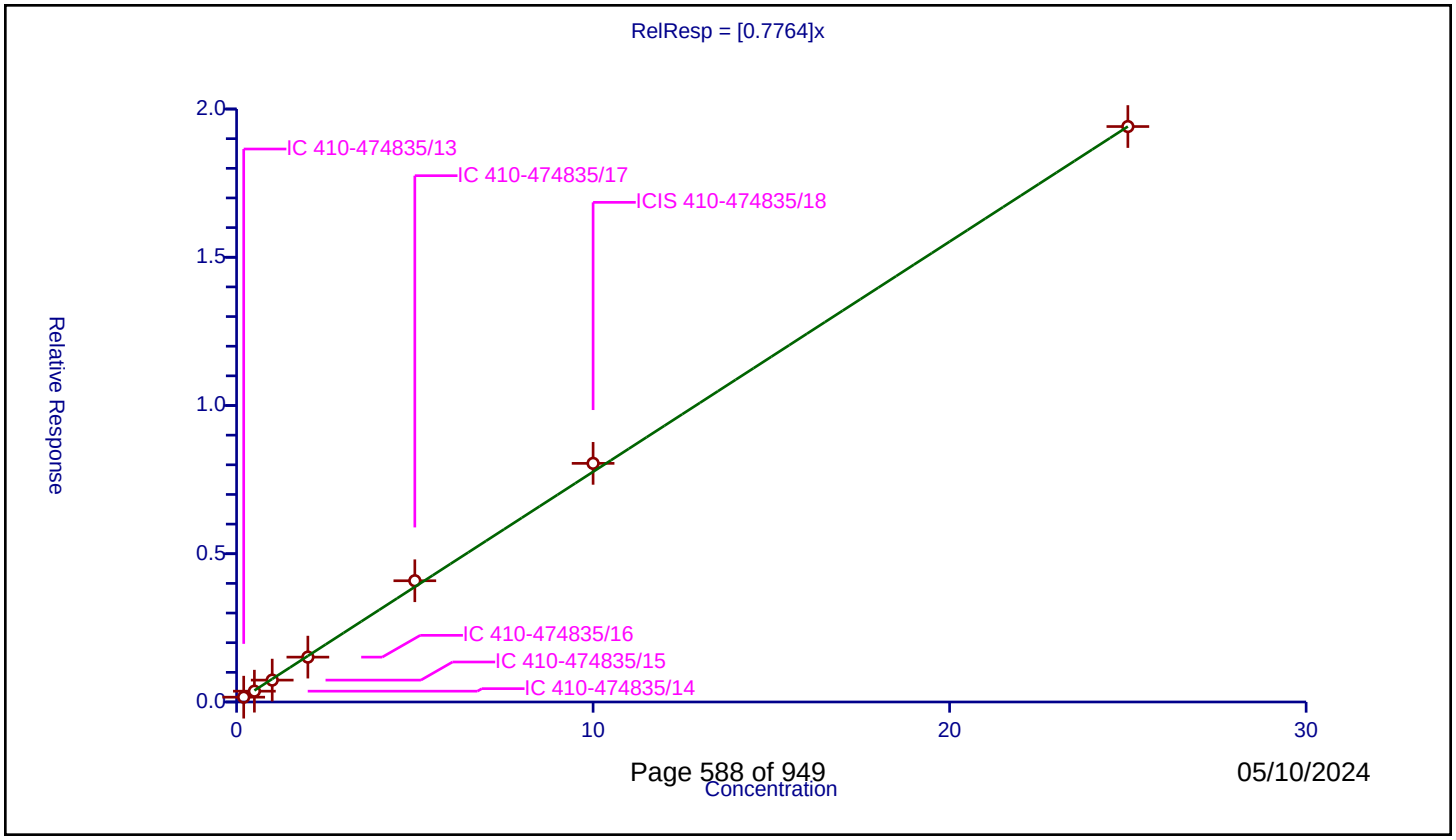
Curve Coefficients

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

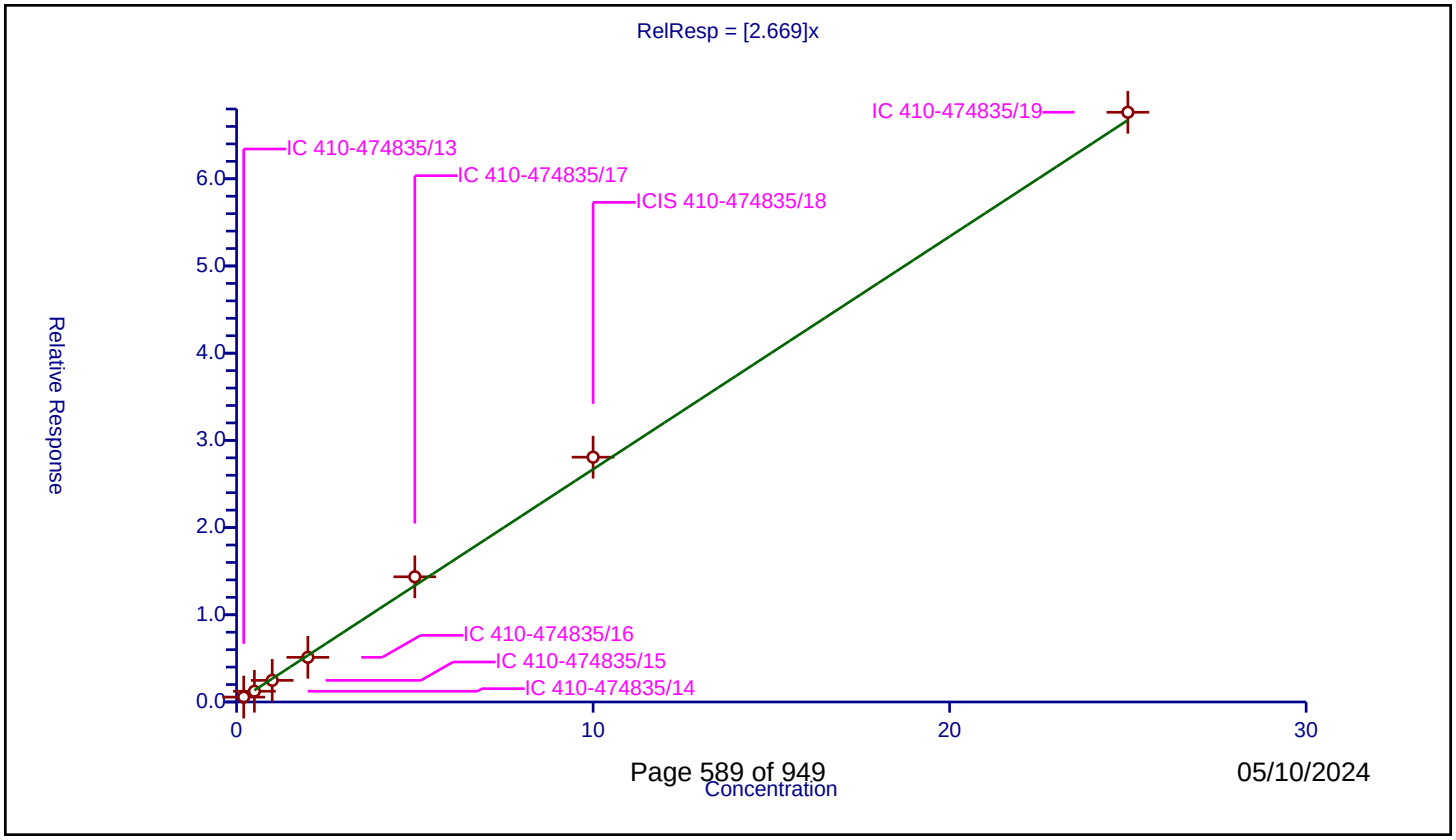
Curve Coefficients

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

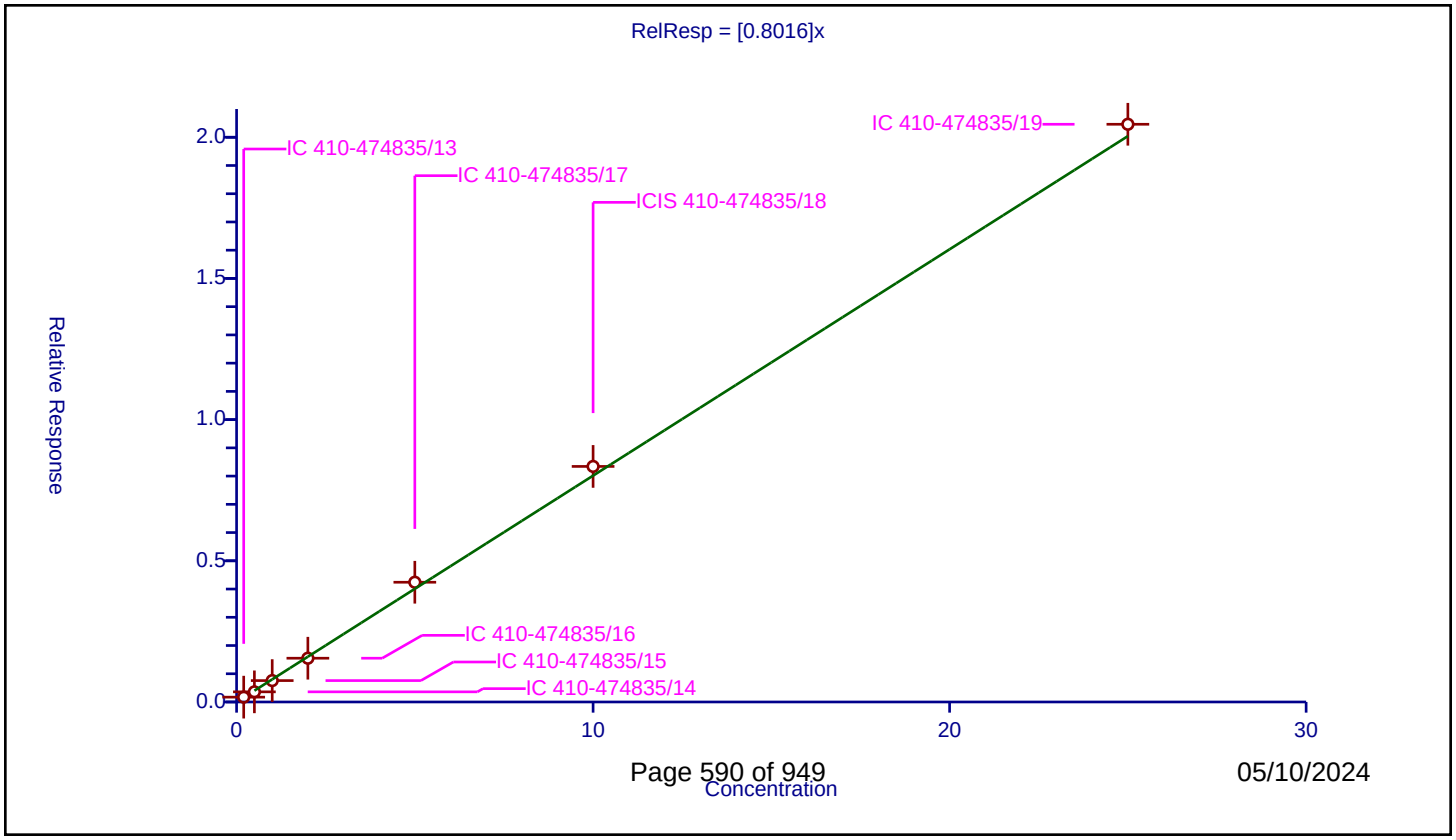
Curve Coefficients

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

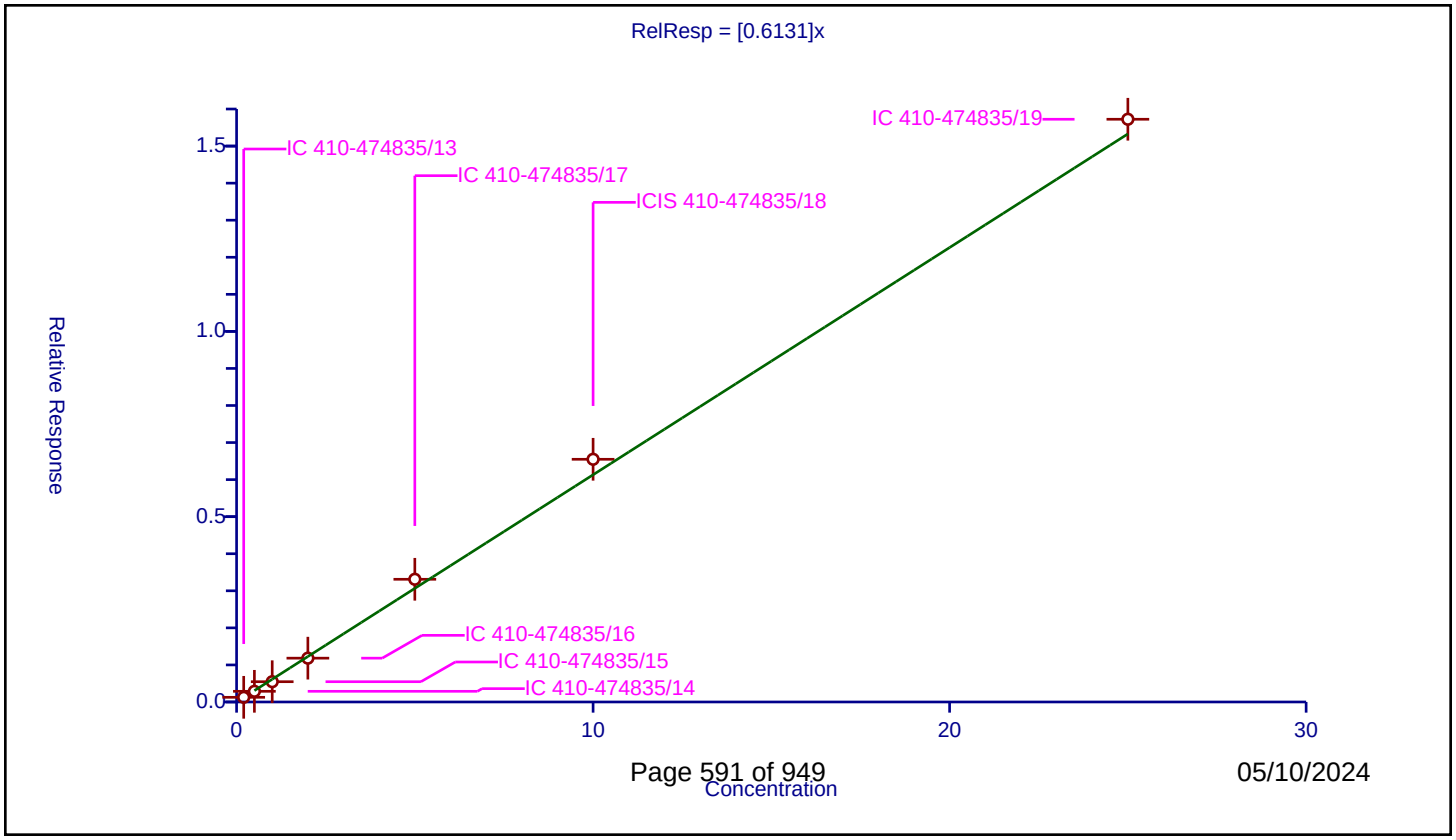
Curve Coefficients

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

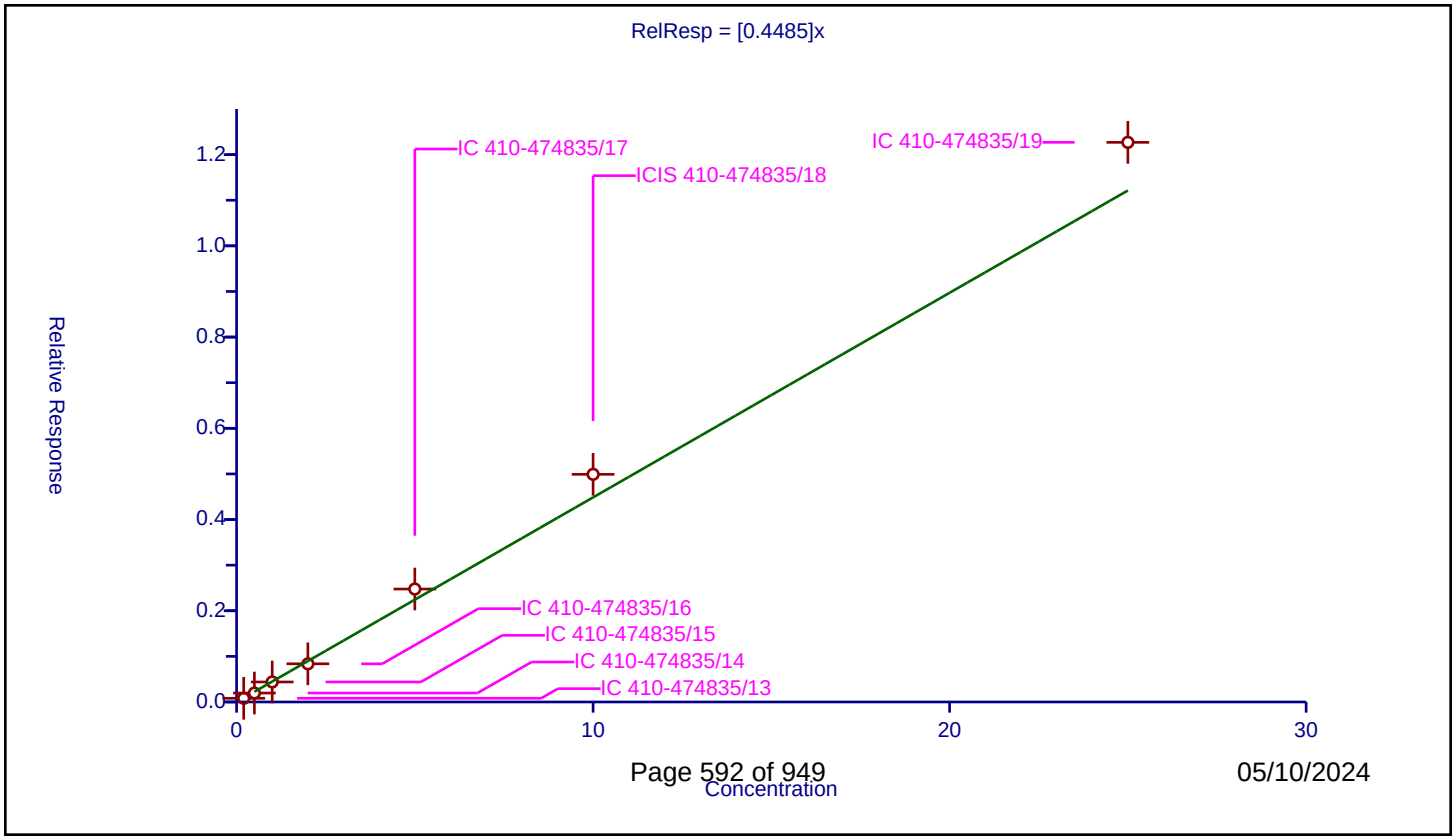
Curve Coefficients

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

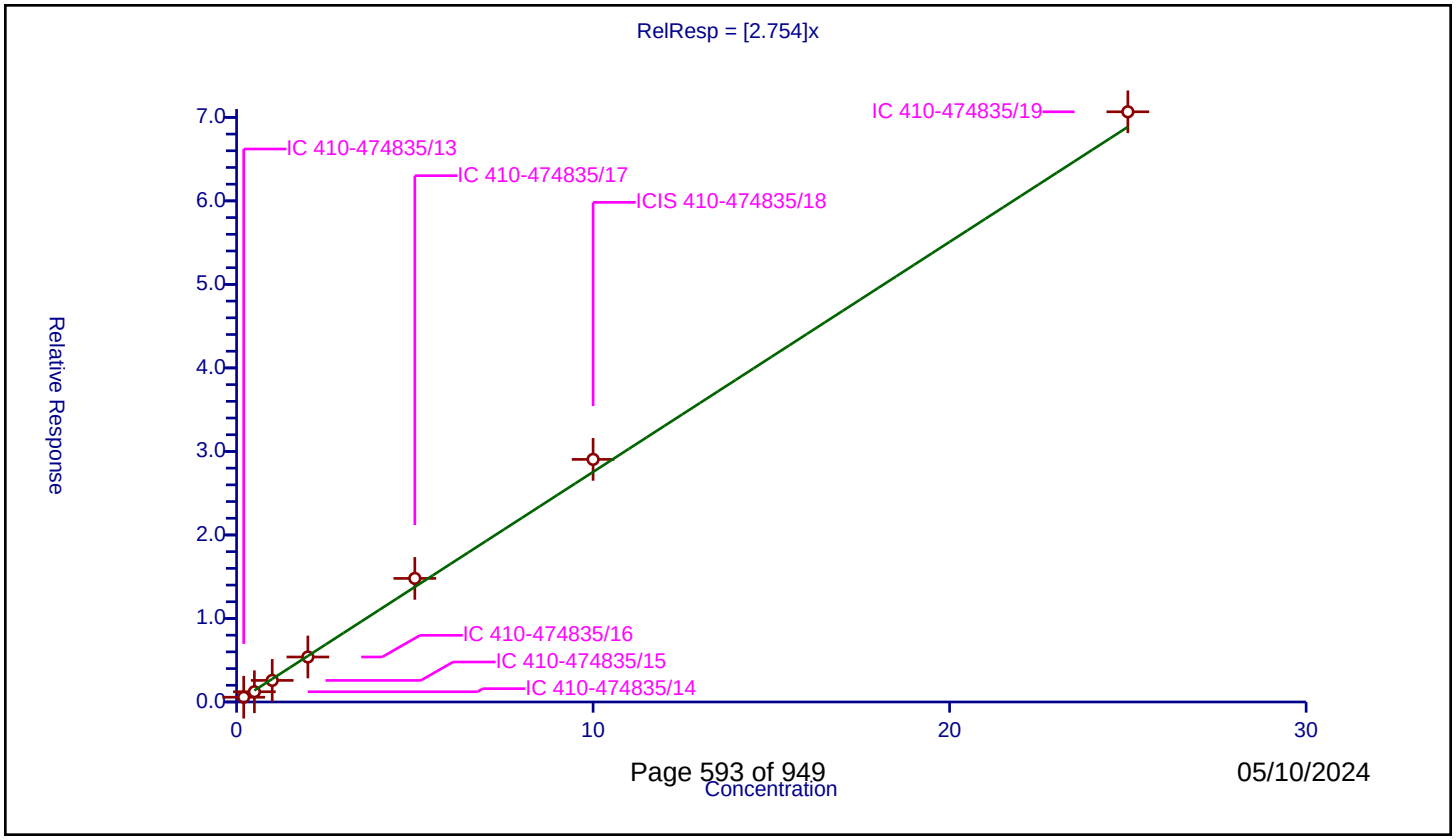
Curve Coefficients

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

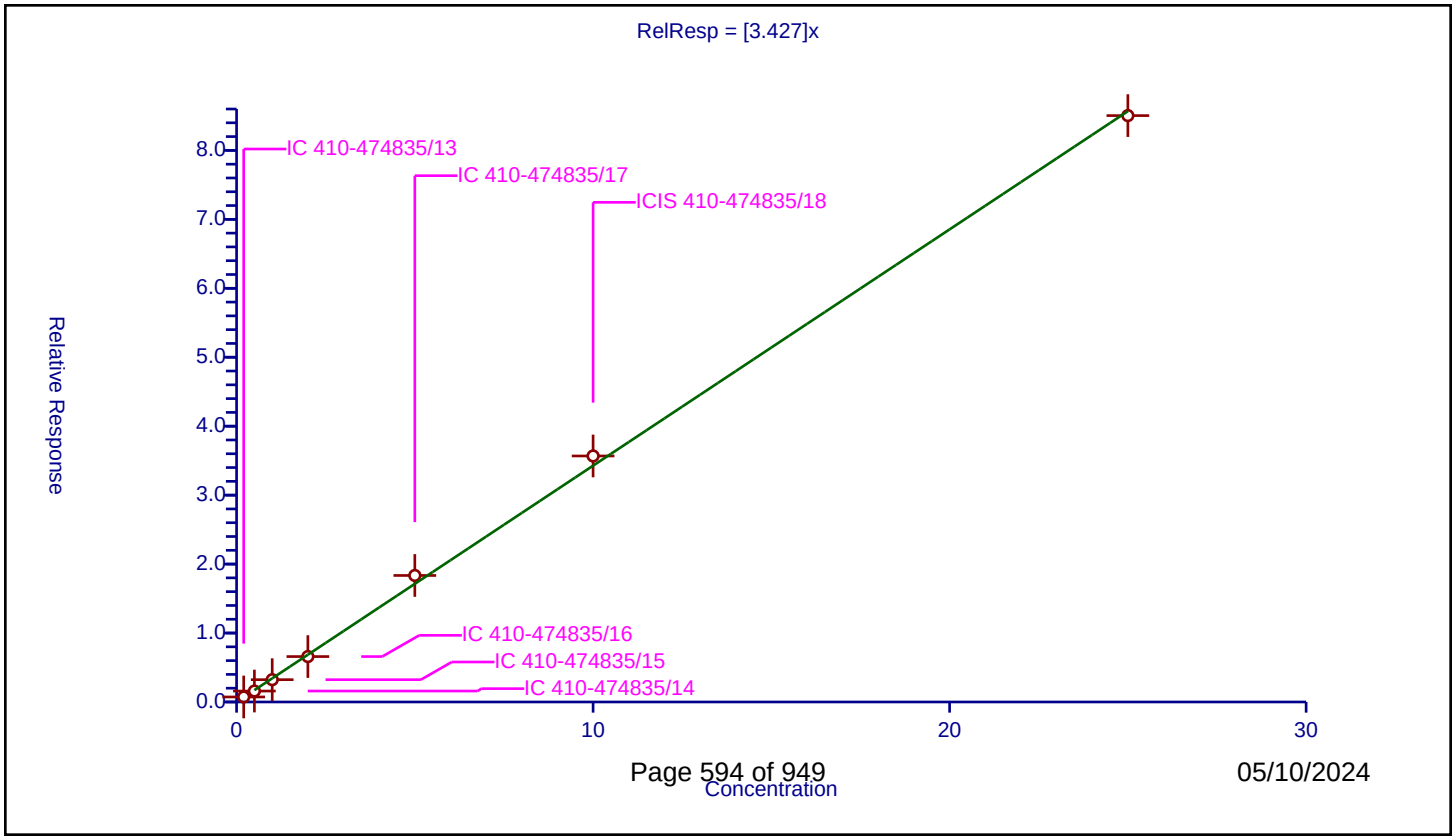
Curve Coefficients

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

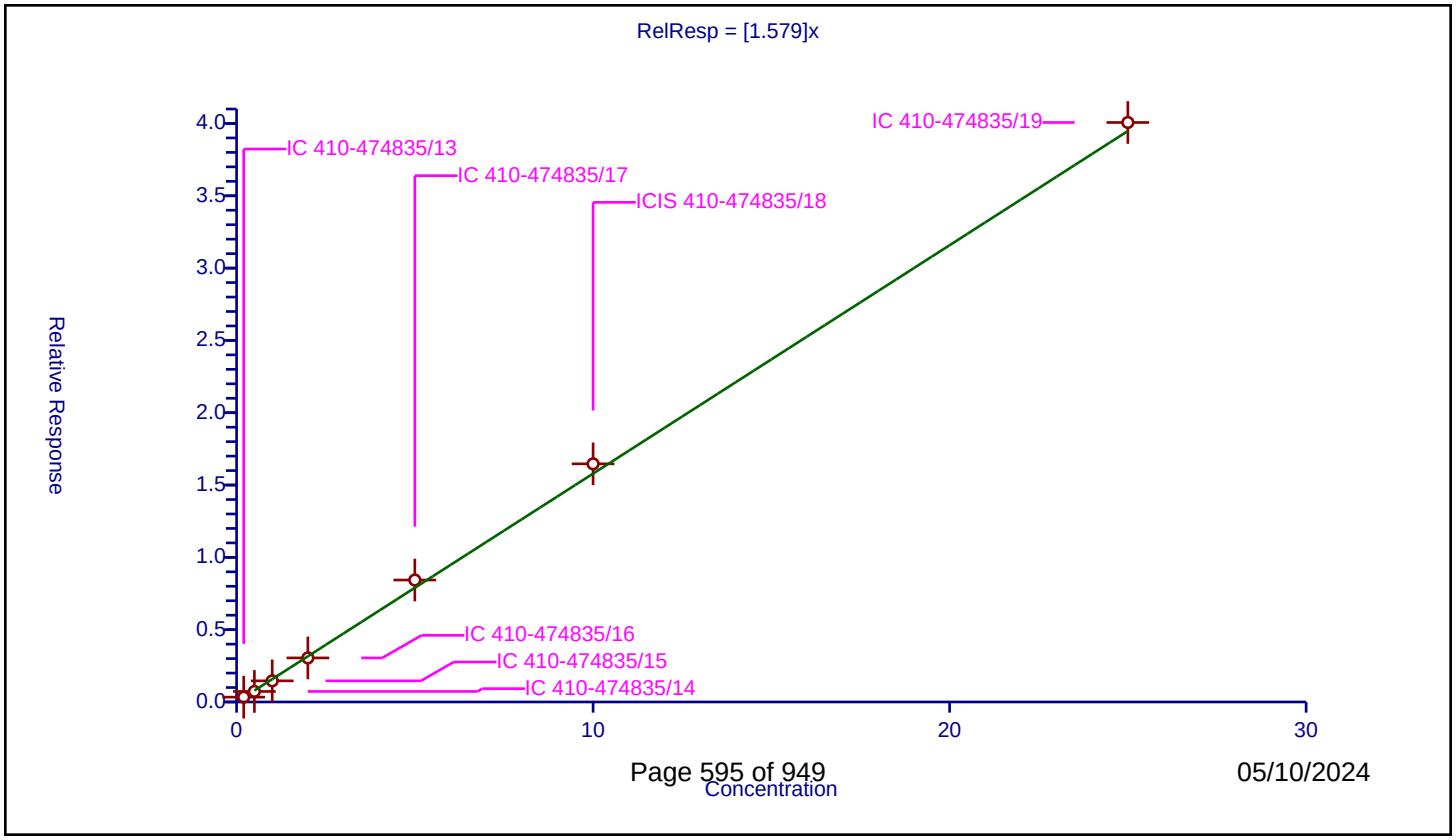
Curve Coefficients

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

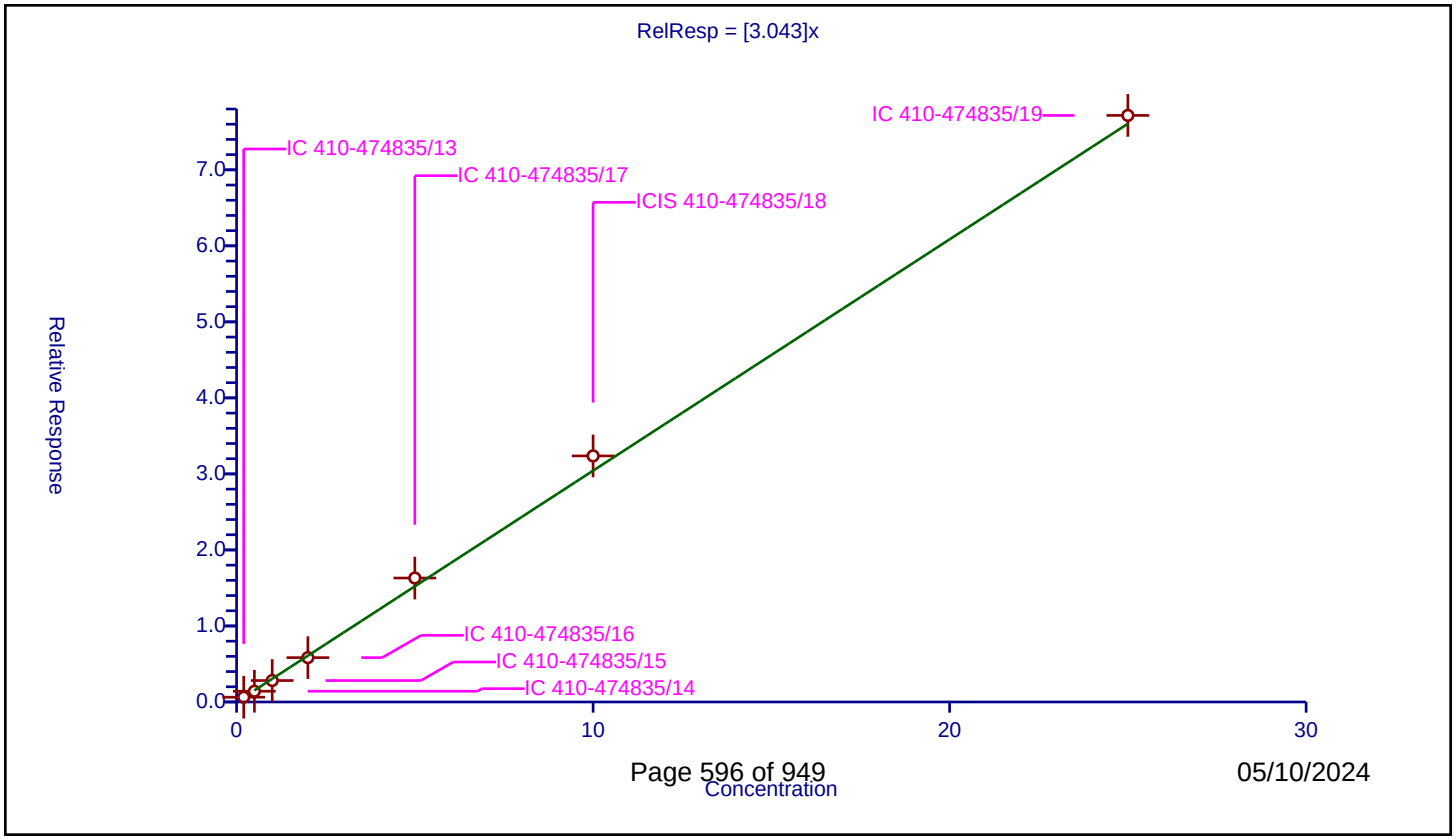
Curve Coefficients

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

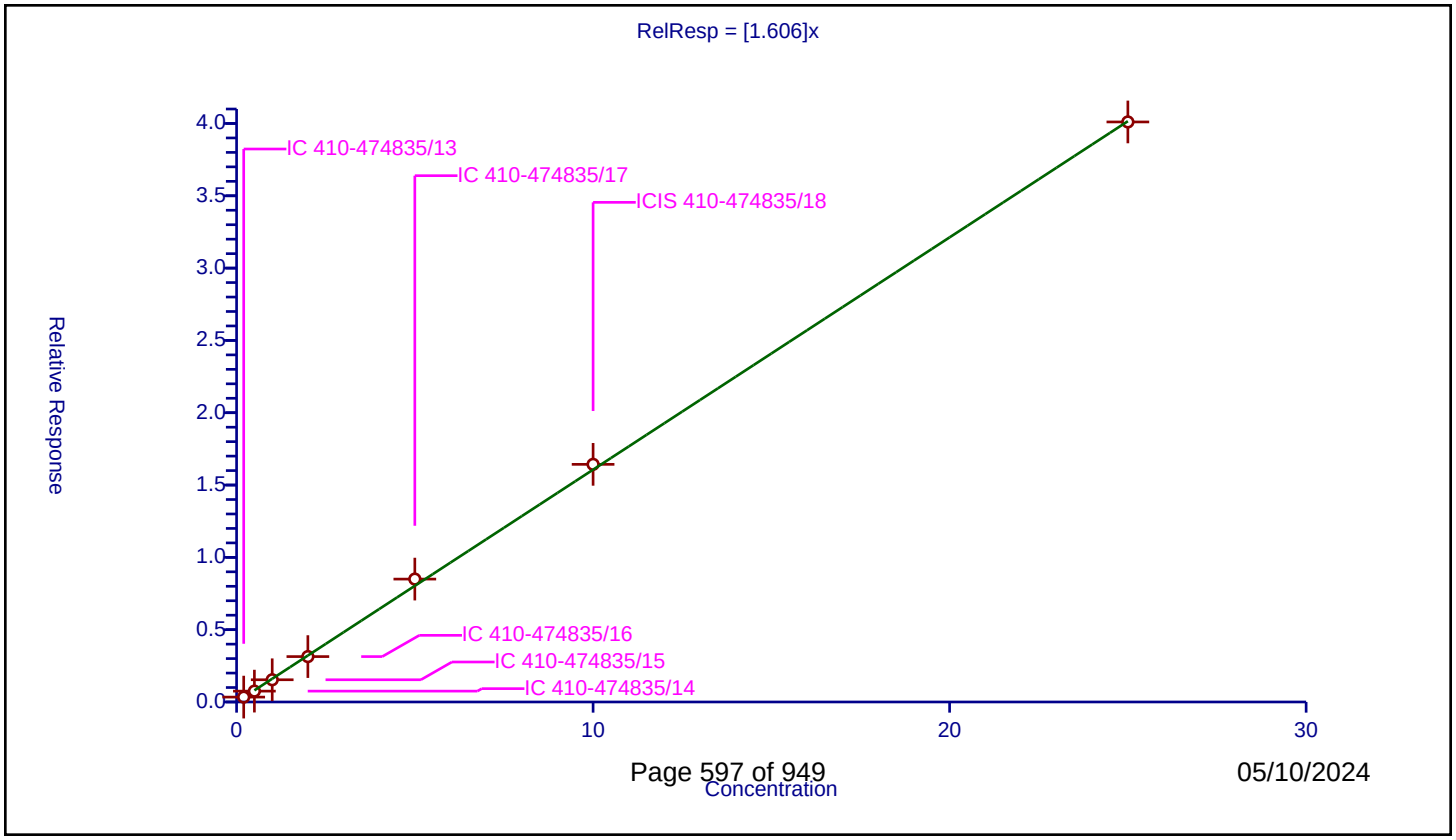
Curve Coefficients

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

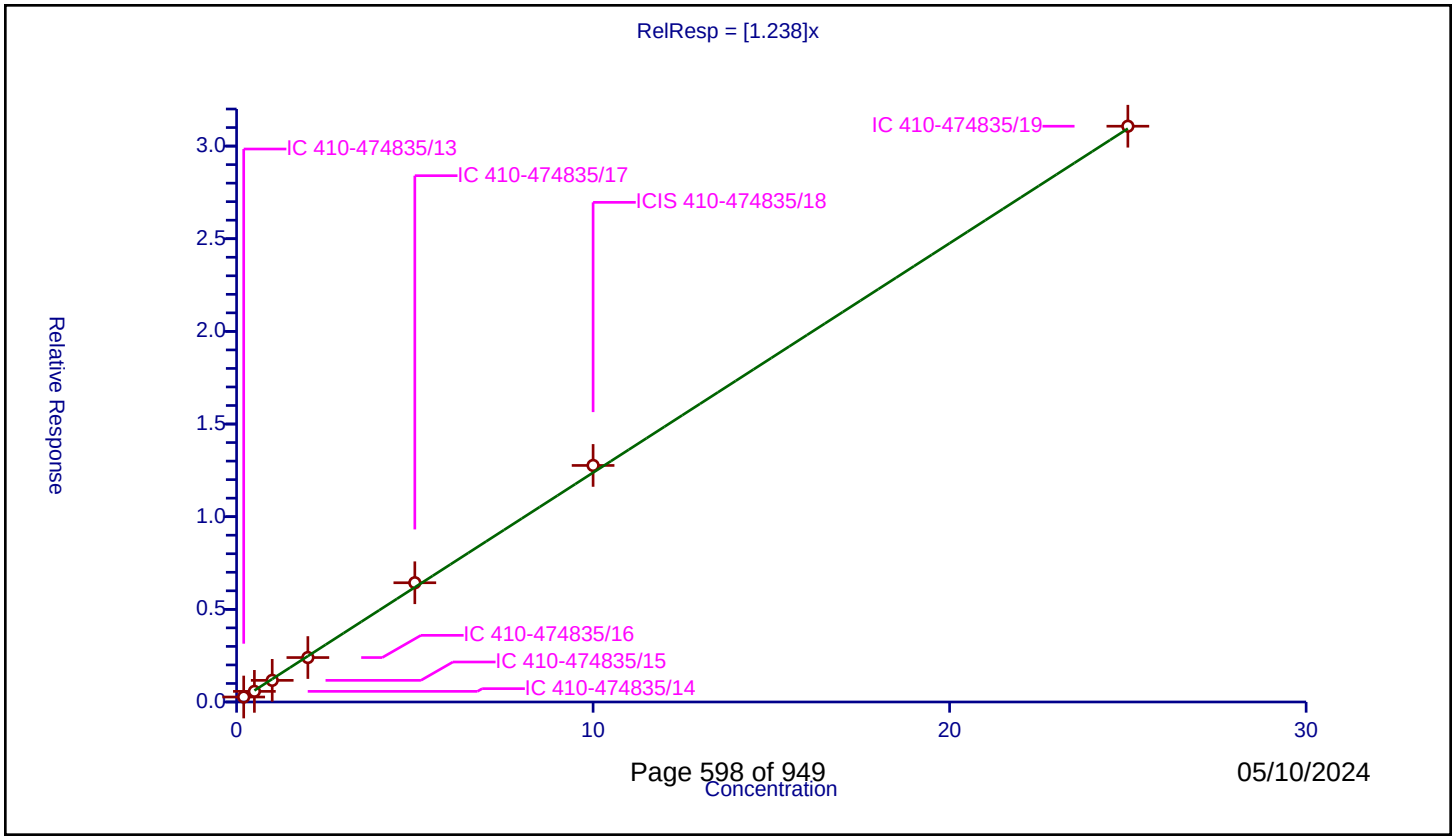
Curve Coefficients

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

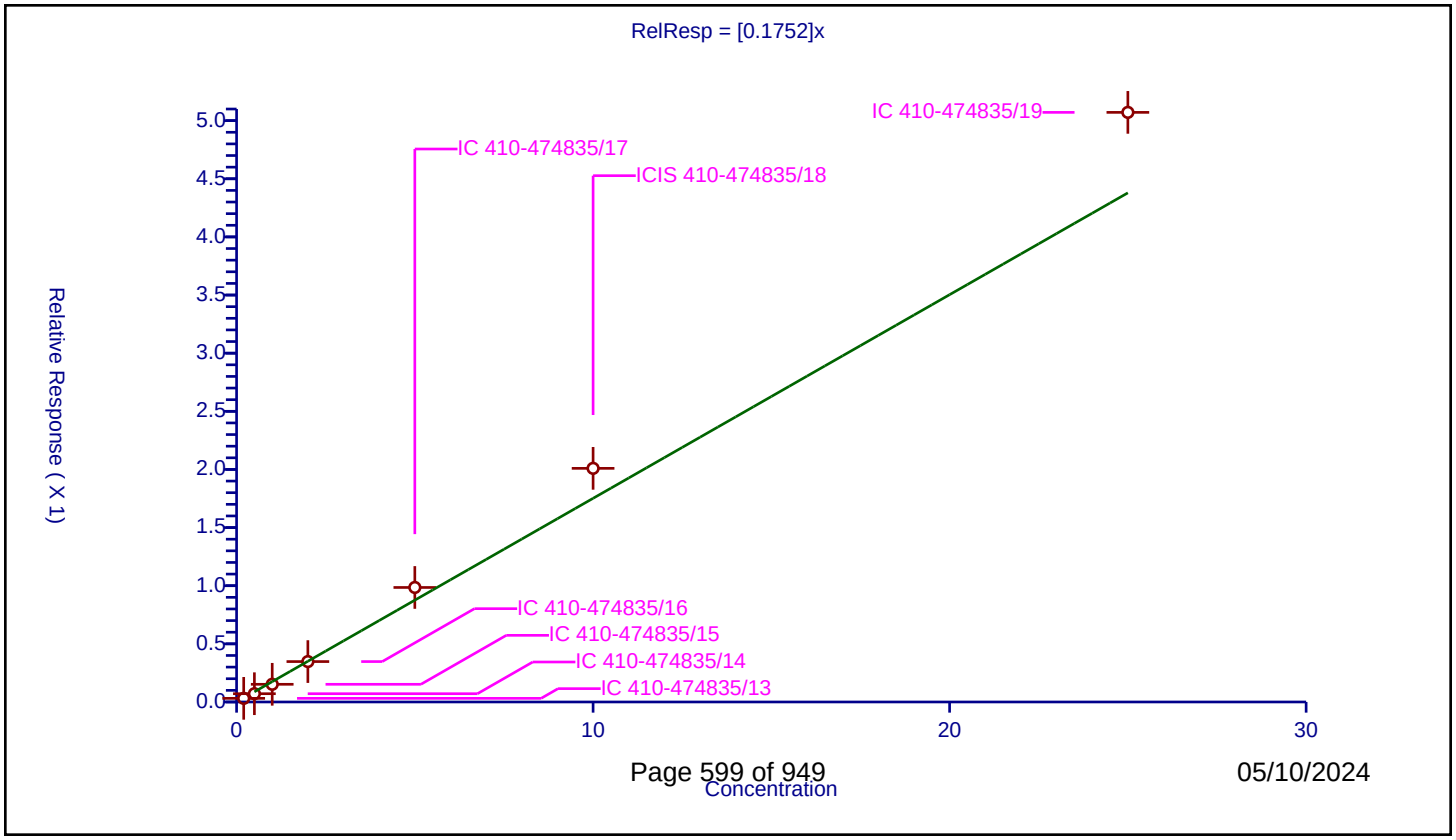
Curve Coefficients

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

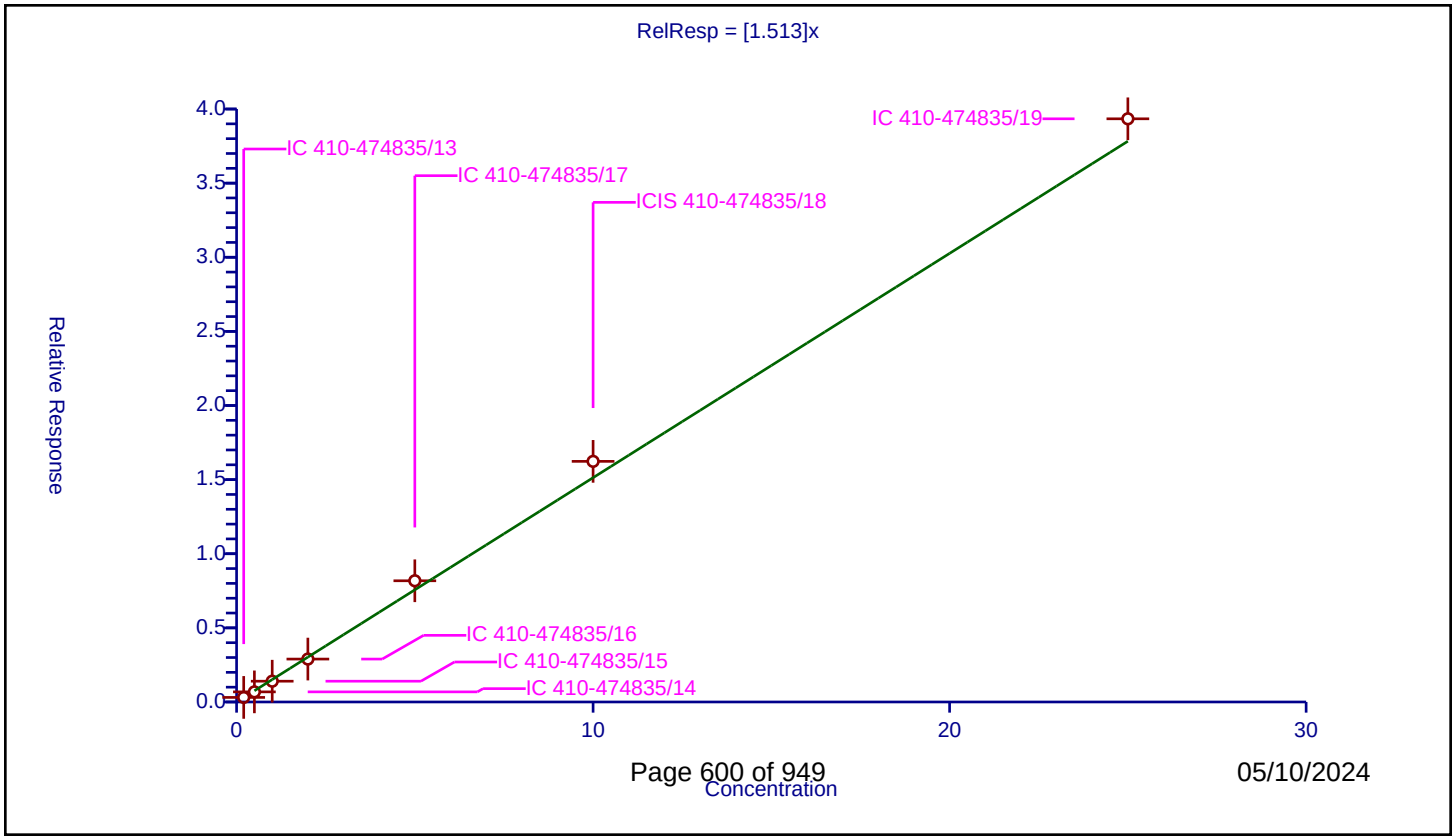
Curve Coefficients

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

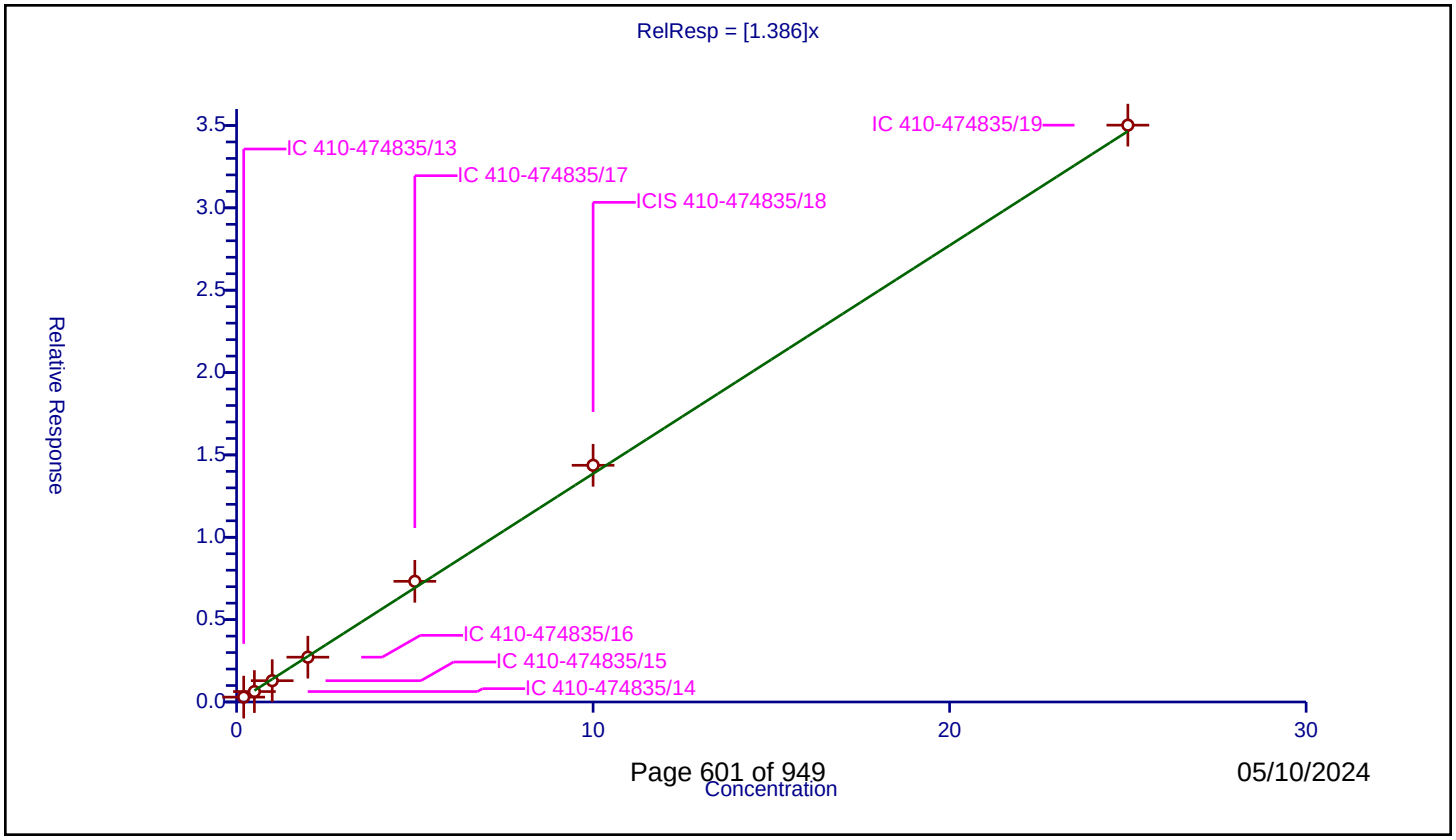
Curve Coefficients

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

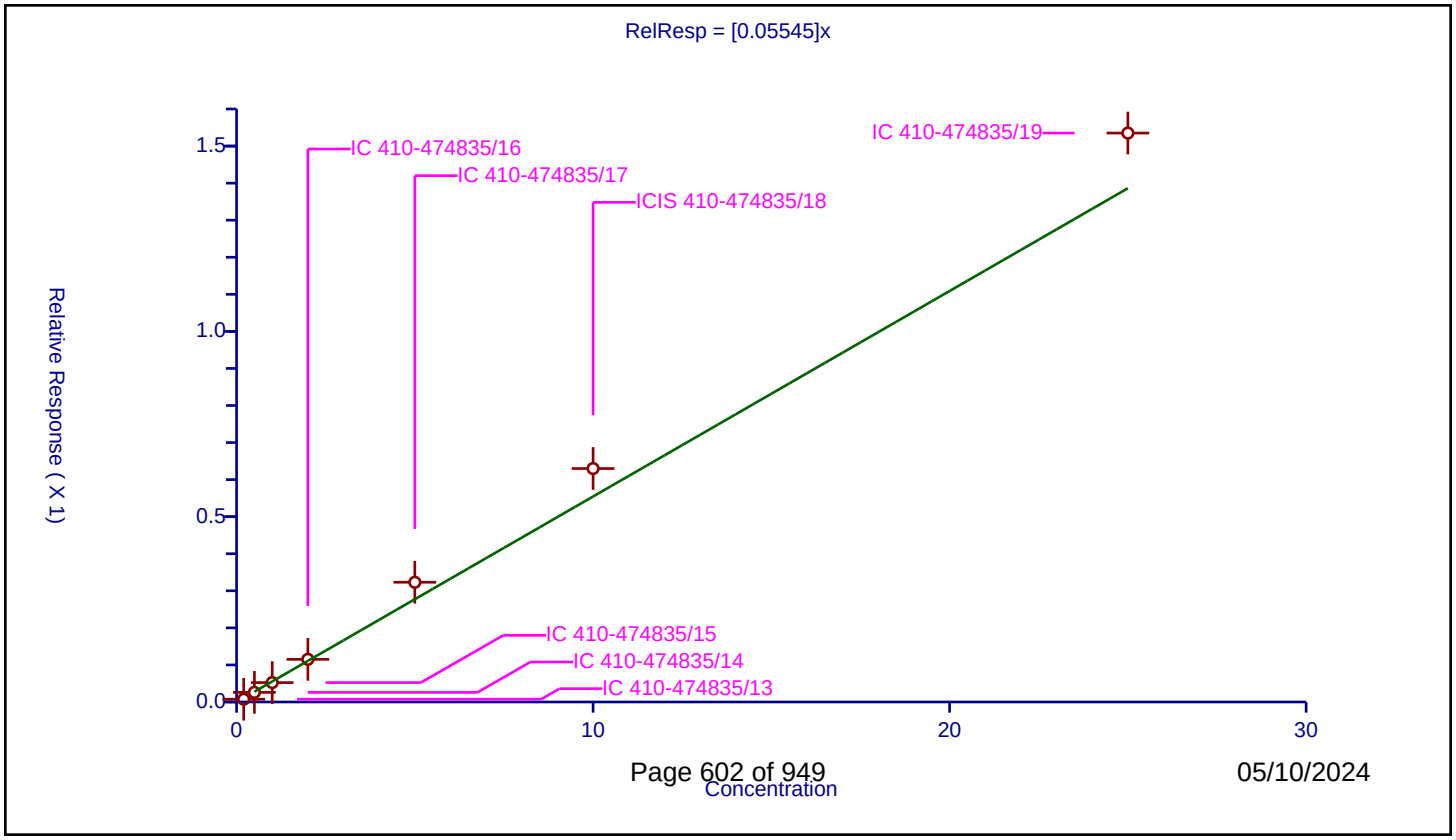
Curve Coefficients

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

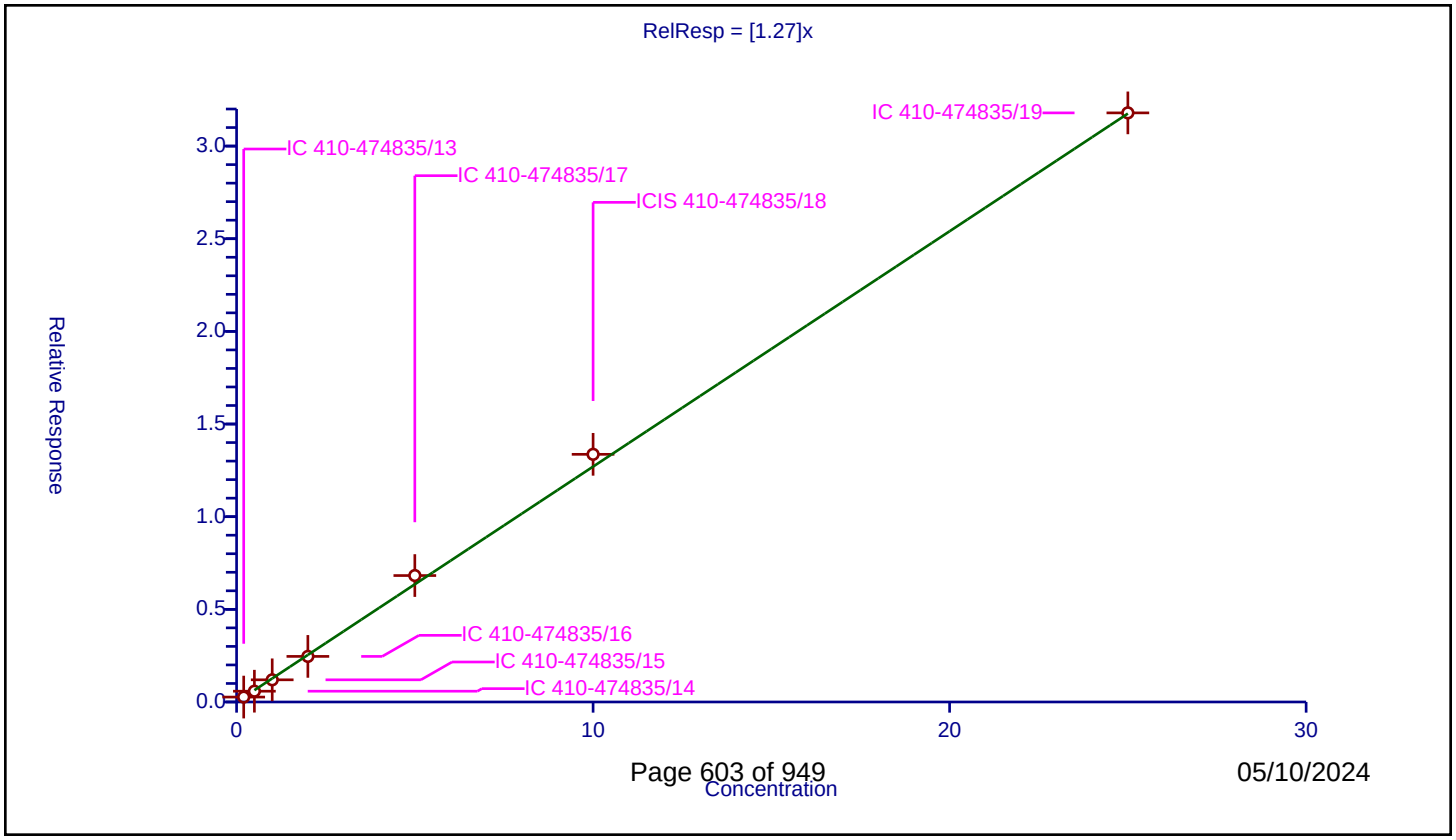
Curve Coefficients

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

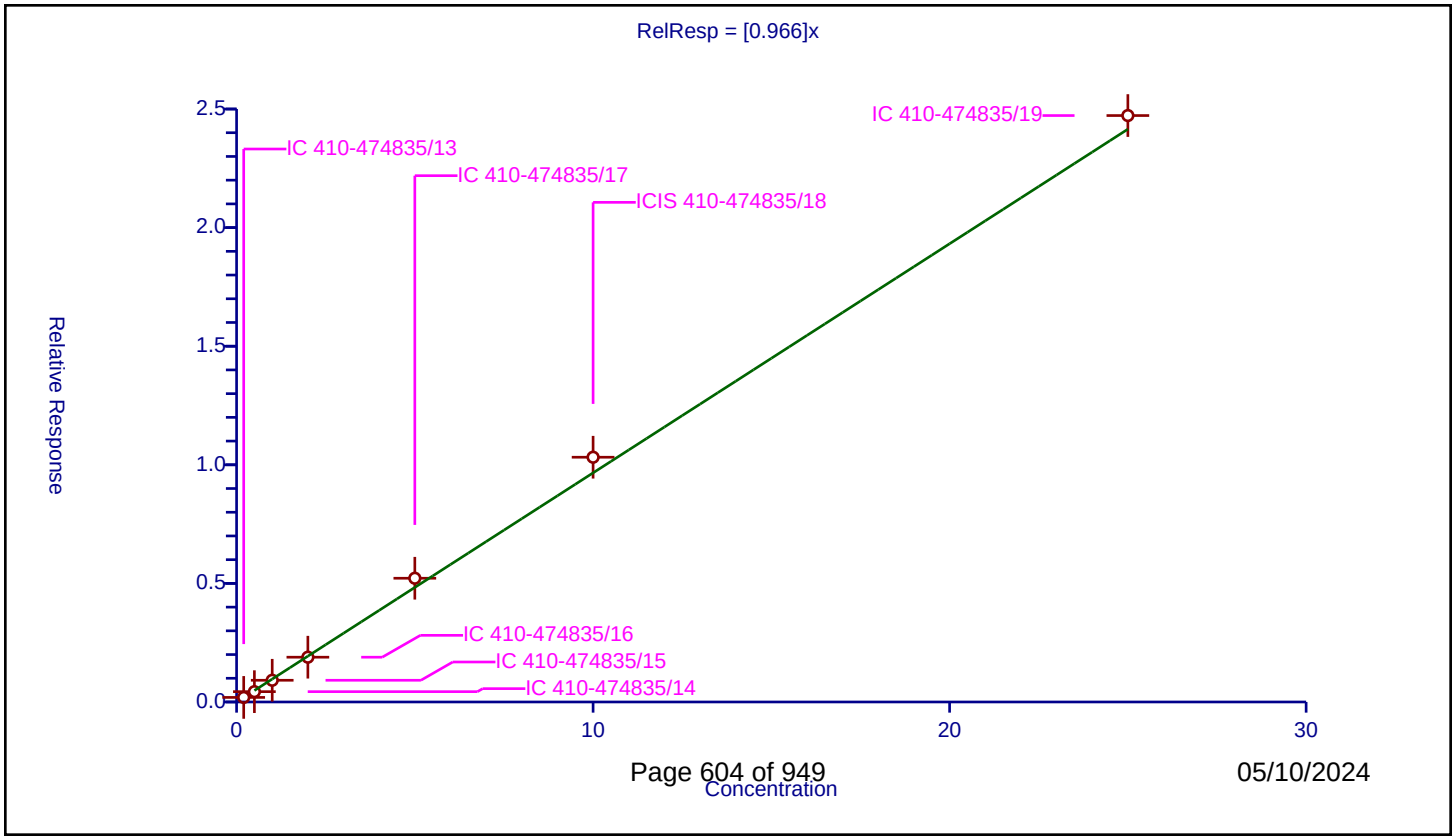
Curve Coefficients

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

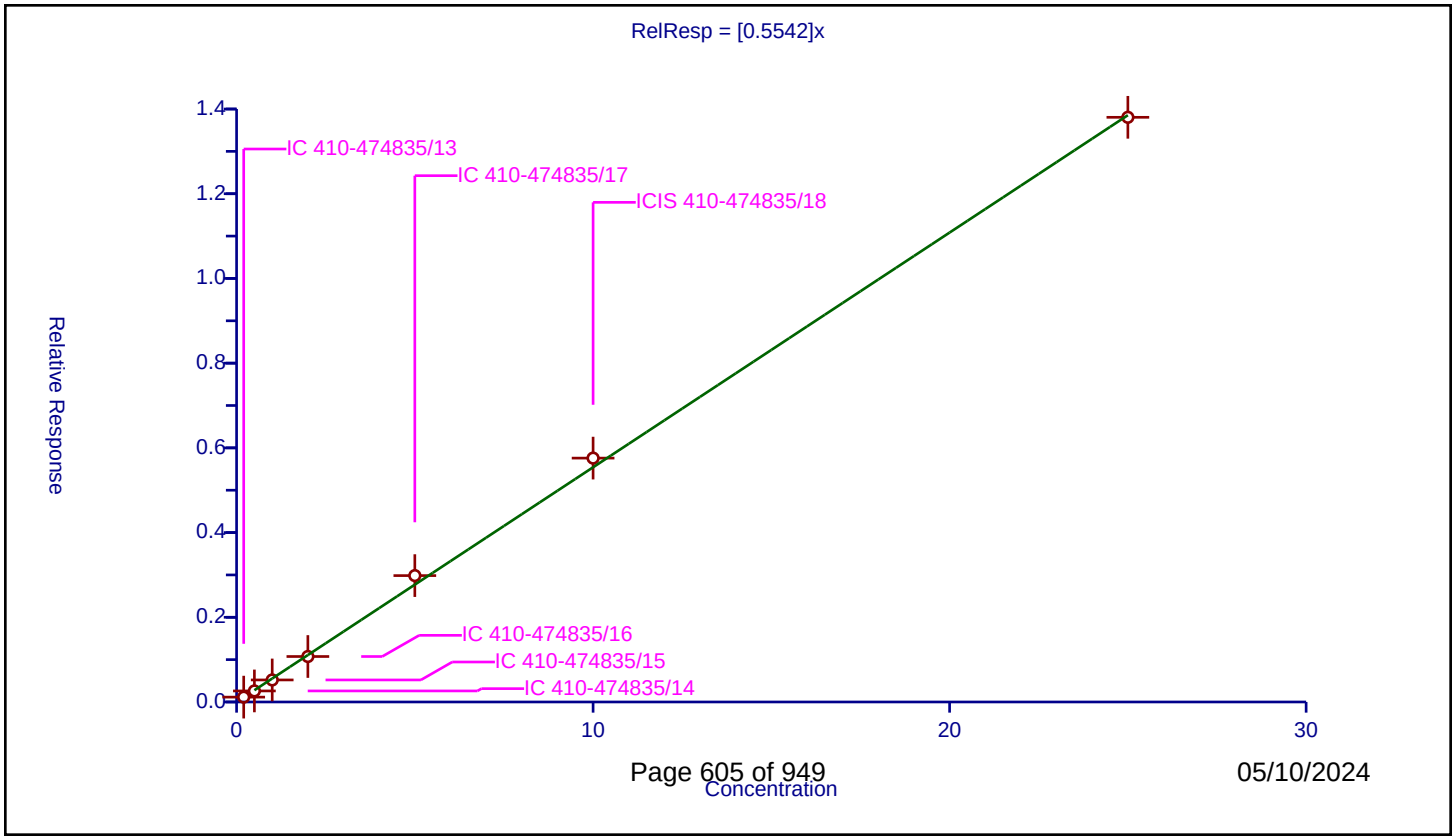
Curve Coefficients

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

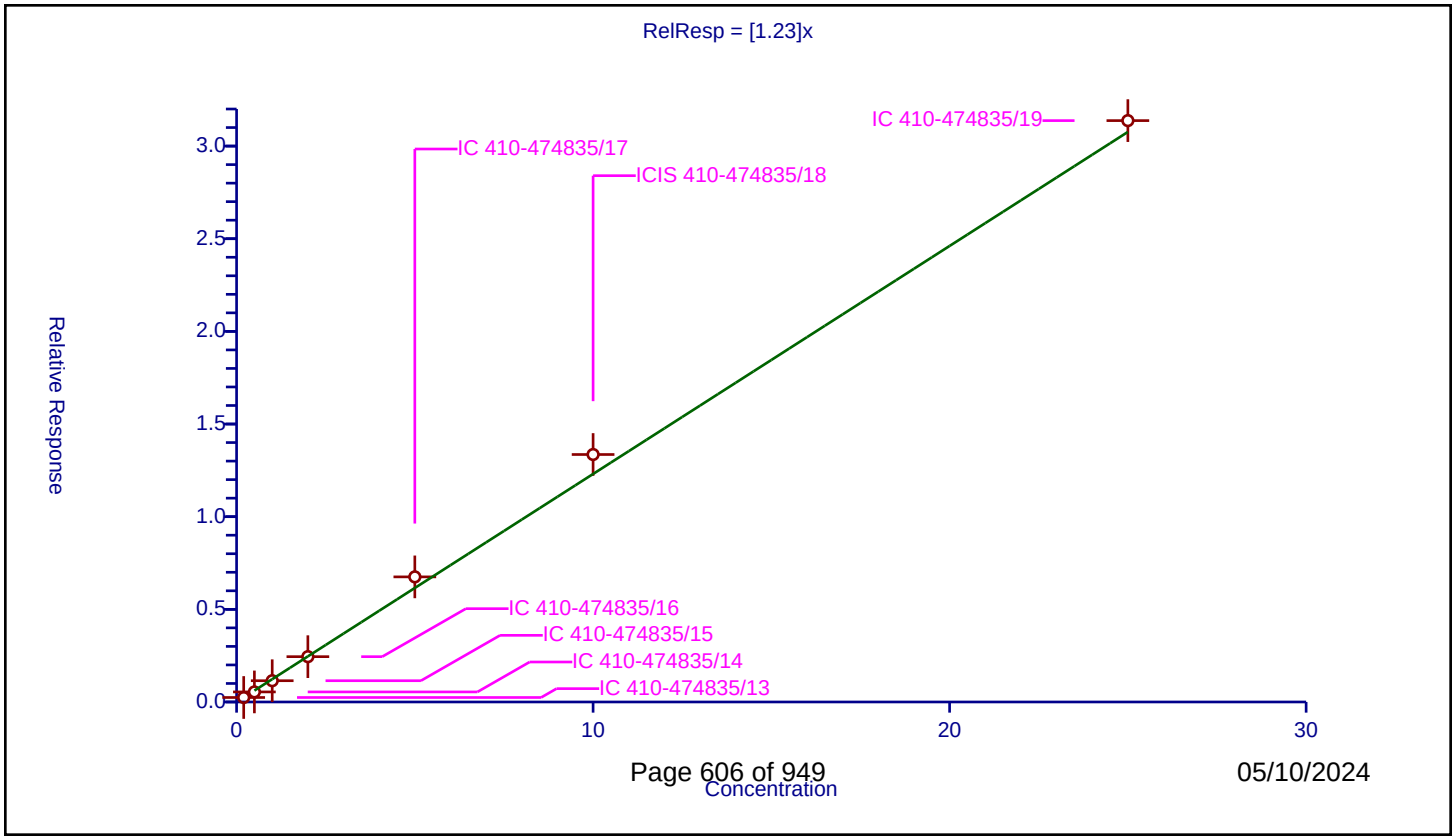
Curve Coefficients

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

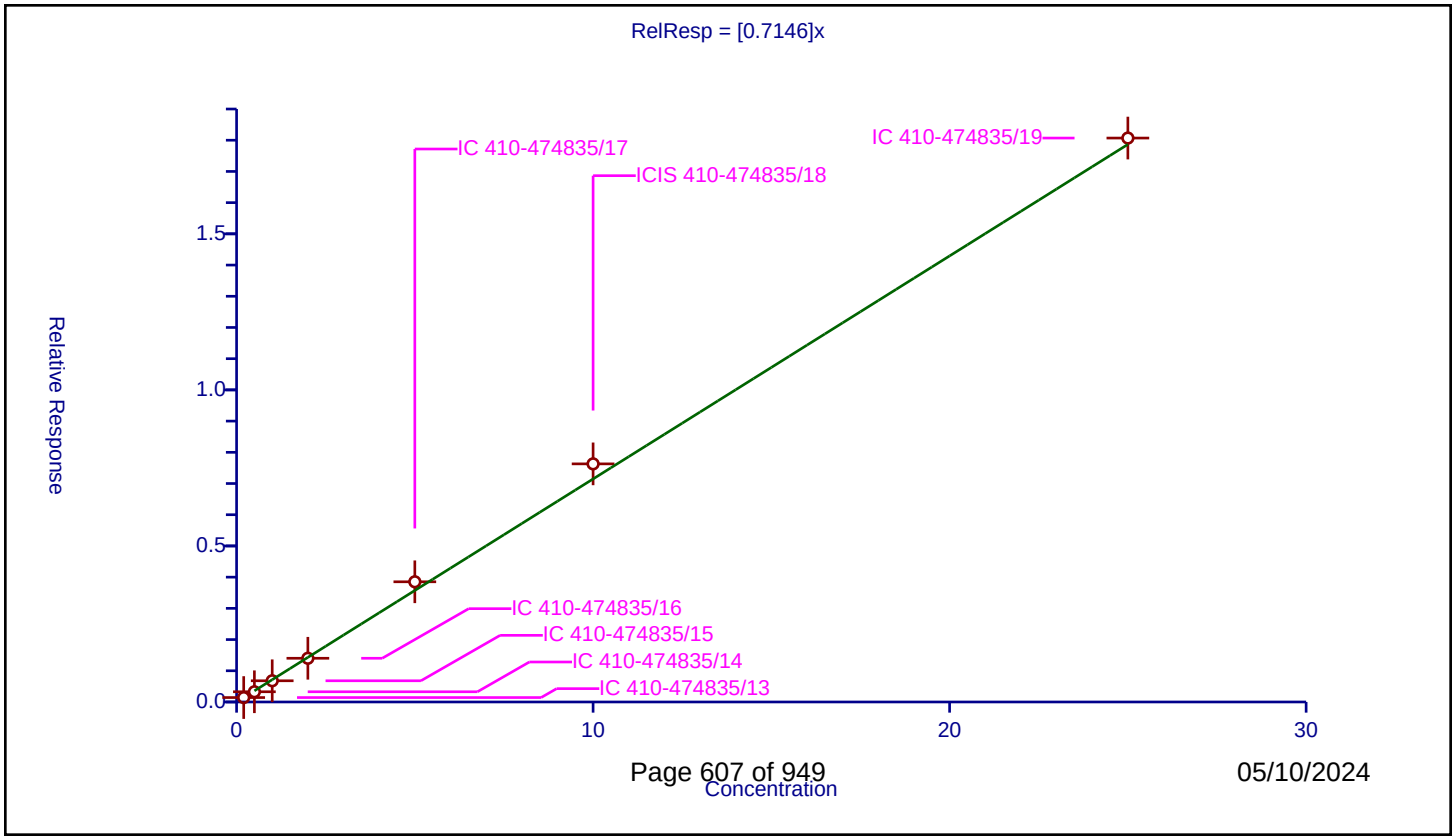
Curve Coefficients

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.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 04:22 Calibration End Date: 10/17/2023 06:22 Calibration ID: 54848

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-431955/3	HO16X02.D
Level 2	IC 410-431955/4	HO16X03.D
Level 3	IC 410-431955/5	HO16X04.D
Level 4	IC 410-431955/6	HO16X05.D
Level 5	IC 410-431955/7	HO16X06.D
Level 6	IC 410-431955/8	HO16X07.D
Level 7	IC 410-431955/9	HO16X08.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	0.3903 0.4005	0.3812 0.3894	0.4077	0.4044	0.3636	Ave		0.3910				3.9		20.0			
Methoxymethane	0.4277 0.2911	0.3459 0.2813	0.3068	0.3078	0.2958	Ave		0.3224				15.8		20.0			
Acetonitrile	+++++ 0.0071	+++++ 0.0065	0.0070	0.0088	0.0080	Ave		0.0075				12.4		20.0			
Vinyl acetate	0.2872 0.3177	0.2936 0.2331	0.2432	0.2871	0.2939	Ave		0.2794				10.8		20.0			
Ethyl acetate	0.0996 0.1171	0.1070 0.1004	0.1073	0.1023	0.1070	Ave		0.1058				5.6		20.0			
2-Chloroethyl vinyl ether	0.0770 0.0942	0.0778 0.0932	0.0848	0.0924	0.0869	Ave		0.0866				8.3		20.0			
cis-1,4-Dichloro-2-butene	0.0822 0.0899	0.0811 0.0888	0.0809	0.0852	0.0840	Ave		0.0846				4.3		20.0			
Cyclohexanone	0.2277 0.2402	0.2925 0.2669	0.2579	0.2271	0.2398	Ave		0.2503				9.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-169938-1 | Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 04:22 | Calibration End Date: 10/17/2023 06:22 | Calibration ID: 54848

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-431955/3	HO16X02.D
Level 2	IC 410-431955/4	HO16X03.D
Level 3	IC 410-431955/5	HO16X04.D
Level 4	IC 410-431955/6	HO16X05.D
Level 5	IC 410-431955/7	HO16X06.D
Level 6	IC 410-431955/8	HO16X07.D
Level 7	IC 410-431955/9	HO16X08.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	13612 690429	32504 1693144	70434	138984	312786	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methoxymethane	FB	Ave	14919 501744	29495 1223405	53016	105764	254403	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	FB	Ave	+++++ 61078	+++++ 141016	6025	15126	34440	+++++ 50.0	+++++ 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	10016 547670	25032 1013527	42020	98648	252825	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	3473 201819	9120 436711	18542	35170	92066	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloroethyl vinyl ether	FB	Ave	2686 162372	6633 405249	14647	31768	74772	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,4-Dichloro-2-butene	CBZd5	Ave	4284 234632	10491 588344	21013	44457	109600	0.400 20.0	1.000 50.0	2.00	4.00	10.00
Cyclohexanone	TBAd10	Ave	4036 116757	12456 330431	13039	24681	68571	10.00 500	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.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 04:22 Calibration End Date: 10/17/2023 06:22 Calibration ID: 54848

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-431955/3	HO16X02.D
Level 2	IC 410-431955/4	HO16X03.D
Level 3	IC 410-431955/5	HO16X04.D
Level 4	IC 410-431955/6	HO16X05.D
Level 5	IC 410-431955/7	HO16X06.D
Level 6	IC 410-431955/8	HO16X07.D
Level 7	IC 410-431955/9	HO16X08.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	-0.2 -0.4	-2.5	4.3	3.4	-7.0	2.4	50 30	30	30	30	30	30
Methoxymethane	32.7 -12.7	7.3	-4.8	-4.5	-8.2	-9.7	50 30	30	30	30	30	30
Acetonitrile	+++++ -13.2	+++++	-6.7	17.8	7.2	-5.2	 30		50	30	30	30
Vinyl acetate	2.8 -16.6	5.1	-13.0	2.7	5.2	13.7	50 30	30	30	30	30	30
Ethyl acetate	-5.9 -5.1	1.1	1.4	-3.3	1.1	10.6	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-11.1 7.6	-10.2	-2.1	6.7	0.4	8.7	50 30	30	30	30	30	30
cis-1,4-Dichloro-2-butene	-2.9 5.0	-4.1	-4.3	0.7	-0.7	6.3	50 30	30	30	30	30	30
Cyclohexanone	-9.0 6.6	16.9	3.0	-9.3	-4.2	-4.0	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X02.D
Lims ID: IC std1 0.2
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Oct-2023 04:22:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-003
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:26 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 11:02:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.837	1.831	0.006	81	5211	0.2000	0.1656	
3 Chlorodifluoromethane	51	1.886	1.879	0.007	96	13612	0.2000	0.1996	M
4 Dimethyl ether	45	1.959	1.946	0.013	100	14919	0.2000	0.2654	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.245	2.239	0.006	34	10646	0.2000	0.1922	
25 Acetonitrile	41	3.794	3.794	0.000	79	1735	1.00	1.33	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.001	3.995	0.006	26	88635	50.0	50.0	
35 Vinyl acetate	43	5.086	5.056	0.030	73	10016	0.2000	0.2056	
45 Ethyl acetate	43	5.970	5.946	0.024	60	3473	0.2000	0.1882	
61 Isopropyl acetate	43	7.189	7.189	0.000	97	13496	0.2000	0.2766	
* 64 Fluorobenzene (IS)	96	7.513	7.513	0.000	99	1743969	10.0	10.0	
75 n-Propyl acetate	61	8.512	8.506	0.006	94	1549	0.2000	0.1836	M
78 2-Chloroethyl vinyl ether	63	9.049	9.049	0.000	80	2686	0.2000	0.1778	
110 n-Butyl acetate	43	10.463	10.463	0.000	98	8530	0.2000	0.2189	
* 113 Chlorobenzene-d5 (IS)	117	11.049	11.048	0.000	87	1303727	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.963	11.963	0.000	31	4284	0.4000	0.3885	M
125 Cyclohexanone	55	11.993	11.999	-0.006	89	4036	10.0	9.10	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	731529	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00029	Amount Added:	0.20	Units: uL
MSV_CCV_CYC_00007	Amount Added:	1.60	Units: uL
MSV_V_SMRV4_00063	Amount Added:	1.00	Units: uL
MSV_DME_00049	Amount Added:	0.20	Units: uL
MSV_LLcentISS_00010	Amount Added:	5.00	Units: uL

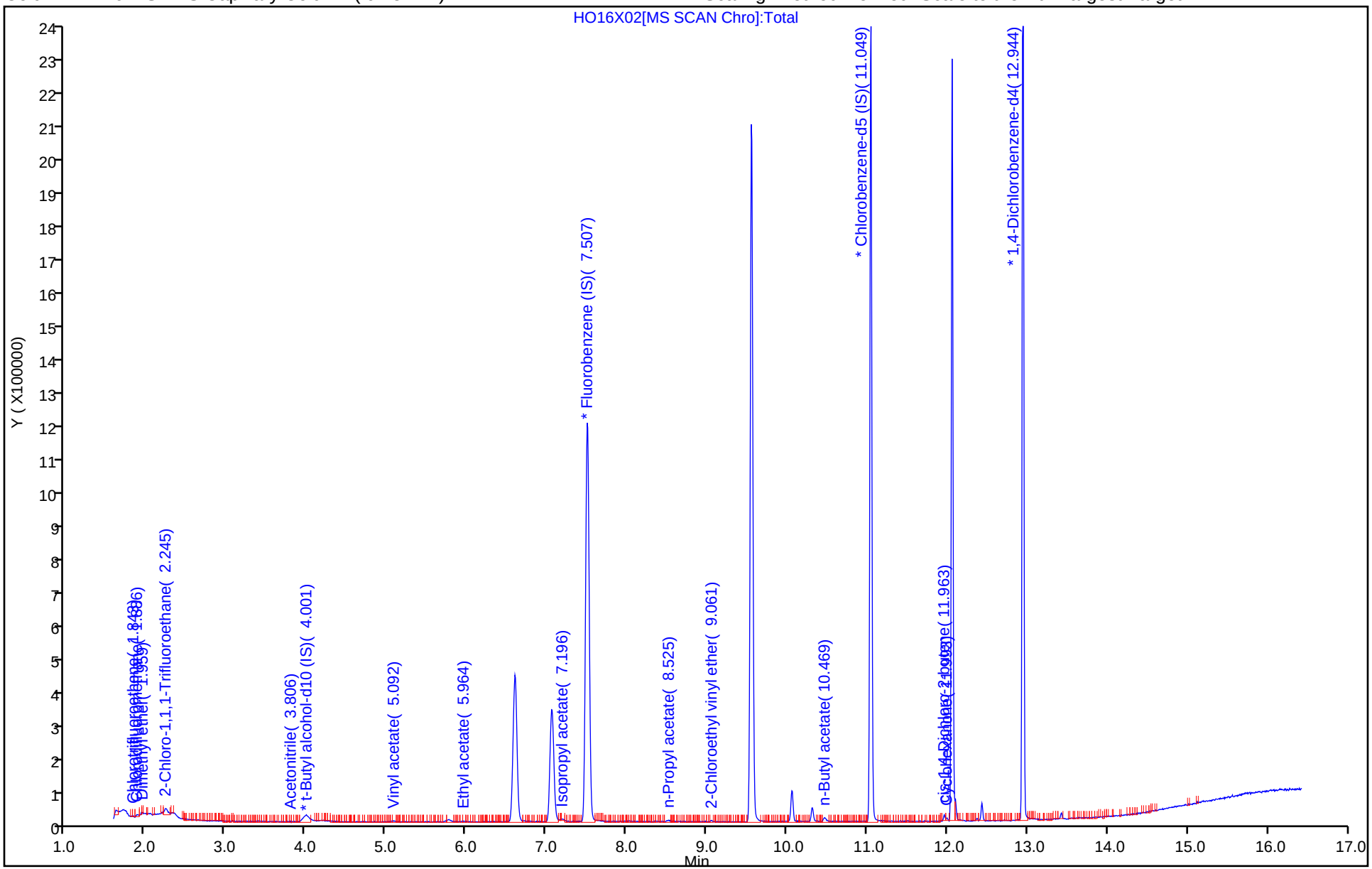
Report Date: 20-Oct-2023 13:24:28 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X02.D

Injection Date:	17-Oct-2023 04:22:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std1 0.2			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSV_19094_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: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

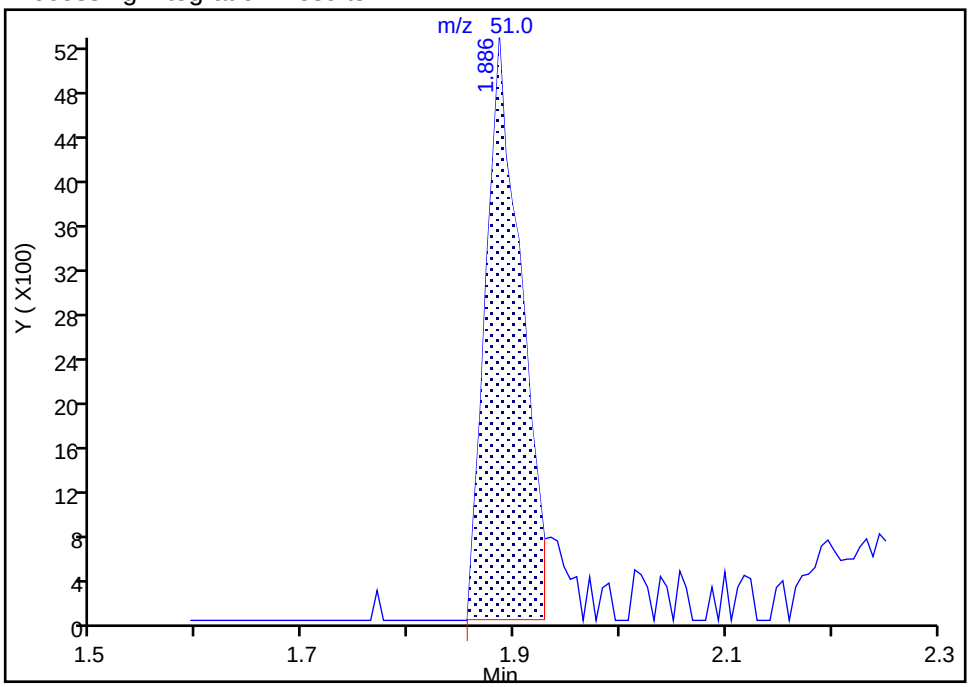
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X02.D				
Injection Date:	17-Oct-2023 04:22:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

3 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

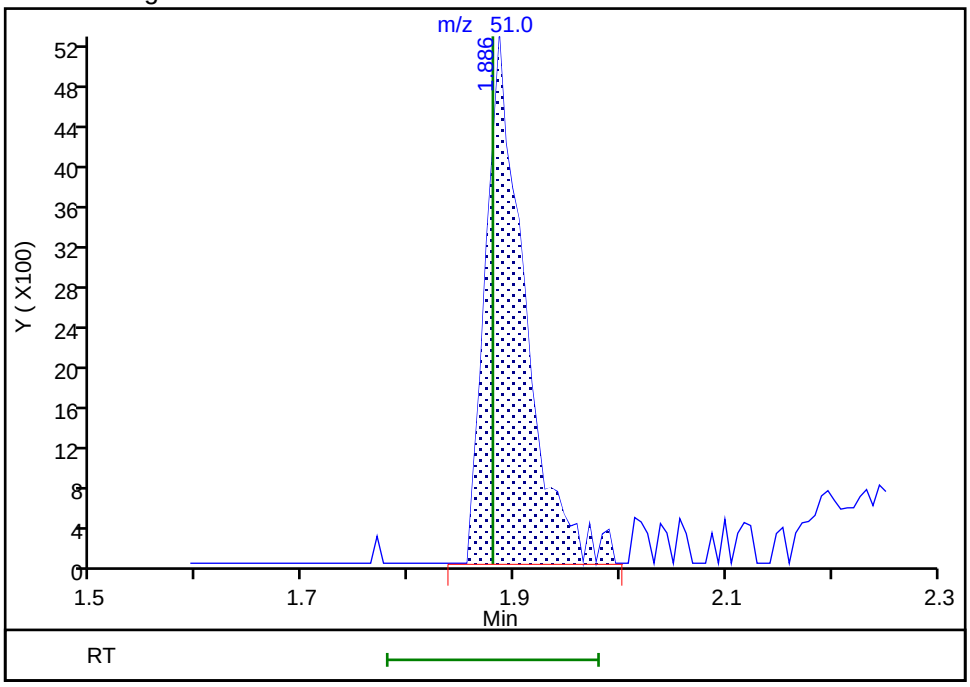
Processing Integration Results

RT: 1.89
Area: 12241
Amount: 0.182122
Amount Units: ug/l



Manual Integration Results

RT: 1.89
Area: 13612
Amount: 0.199612
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:06:49 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

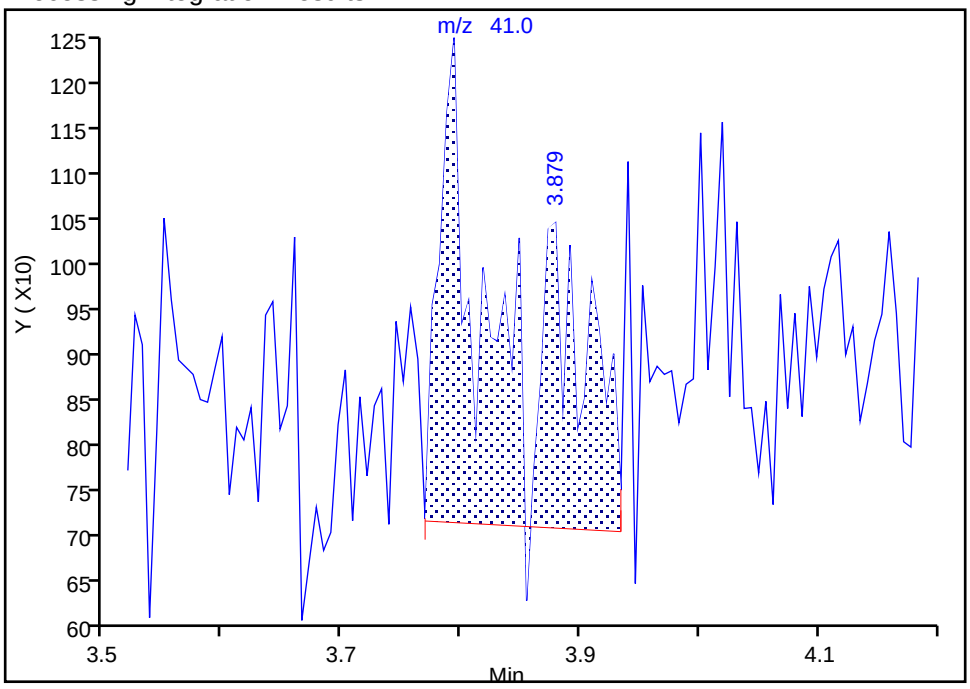
Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X02.D
Injection Date: 17-Oct-2023 04:22:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: GAW91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

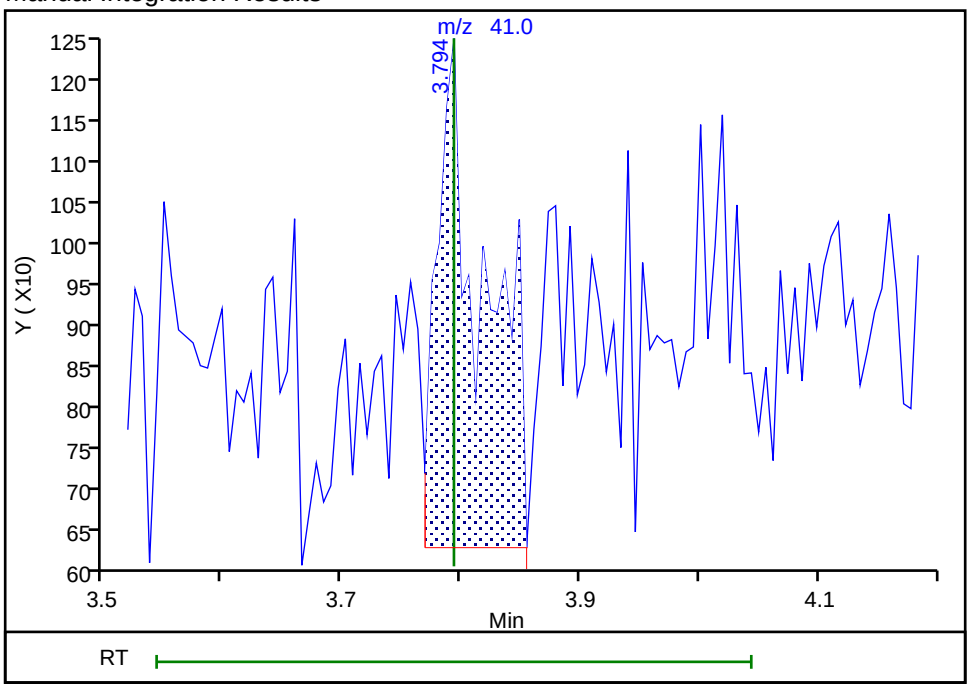
Processing Integration Results

RT: 3.88
Area: 2168
Amount: 1.112534
Amount Units: ug/l



Manual Integration Results

RT: 3.79
Area: 1735
Amount: 1.331517
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:07:15 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

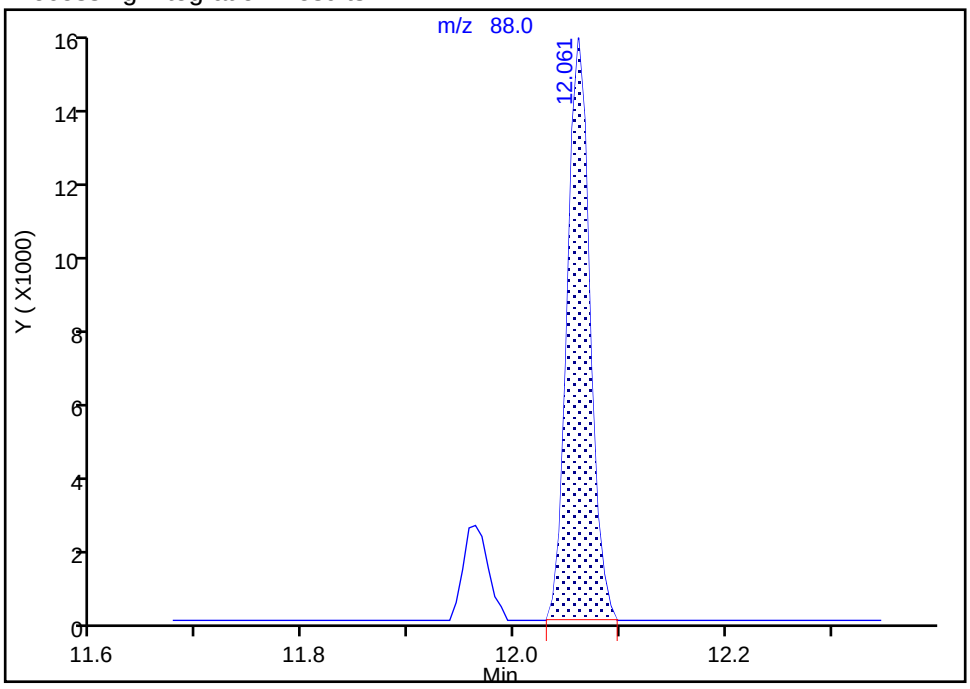
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X02.D				
Injection Date:	17-Oct-2023 04:22:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

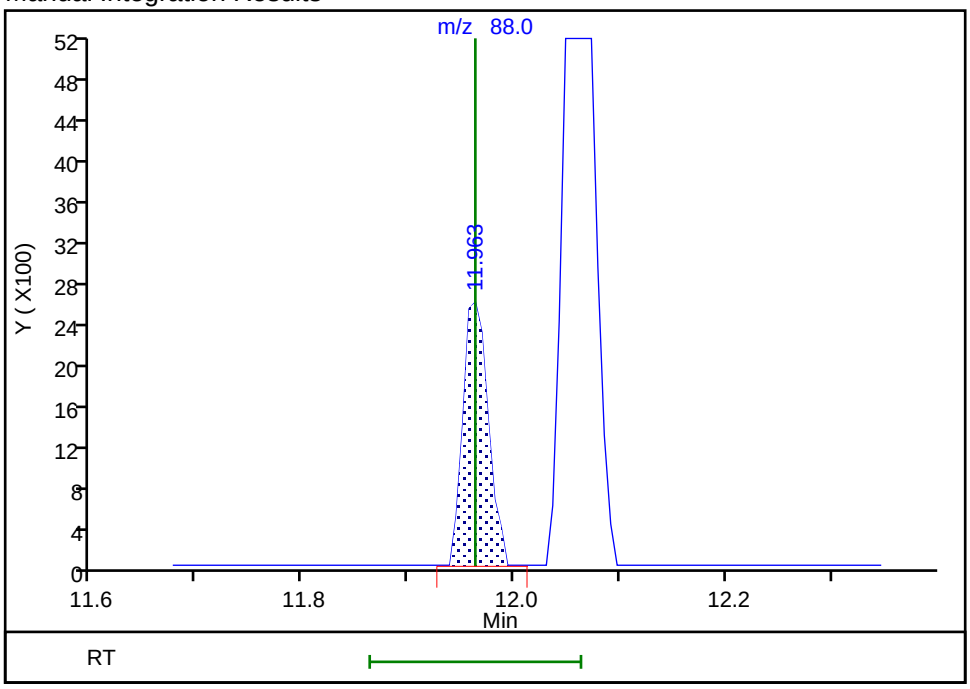
Processing Integration Results

RT: 12.06
Area: 23587
Amount: 1.437149
Amount Units: ug/l



Manual Integration Results

RT: 11.96
Area: 4284
Amount: 0.388510
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:07:35 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X03.D
Lims ID: IC std2 0.5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Oct-2023 04:42:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-004
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:29 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 11:04:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.837	1.831	0.006	92	13457	0.5000	0.4374	
3 Chlorodifluoromethane	51	1.885	1.879	0.006	97	32504	0.5000	0.4875	
4 Dimethyl ether	45	1.953	1.946	0.007	100	29495	0.5000	0.5366	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.245	2.239	0.006	35	25626	0.5000	0.4731	
25 Acetonitrile	41	3.818	3.794	0.024	80	6036	2.50	4.74	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.001	3.995	0.006	26	85167	50.0	50.0	
35 Vinyl acetate	43	5.068	5.056	0.012	96	25032	0.5000	0.5254	
45 Ethyl acetate	43	5.958	5.946	0.012	96	9120	0.5000	0.5054	
61 Isopropyl acetate	43	7.195	7.189	0.006	98	23450	0.5000	0.4915	
* 64 Fluorobenzene (IS)	96	7.512	7.513	-0.001	98	1705254	10.0	10.0	
75 n-Propyl acetate	61	8.518	8.506	0.012	98	3659	0.5000	0.4434	
78 2-Chloroethyl vinyl ether	63	9.055	9.049	0.006	95	6633	0.5000	0.4491	
110 n-Butyl acetate	43	10.469	10.463	0.006	97	19365	0.5000	0.5010	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1293253	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.963	11.963	0.000	27	10491	1.00	0.9591	M
125 Cyclohexanone	55	11.999	11.999	0.000	91	12456	25.0	29.2	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	96	722078	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00029	Amount Added:	0.50	Units: uL
MSV_CCV_CYC_00007	Amount Added:	4.00	Units: uL
MSV_V_SMRV4_00063	Amount Added:	2.50	Units: uL
MSV_DME_00049	Amount Added:	0.50	Units: uL
MSV_LLcentISS_00010	Amount Added:	5.00	Units: uL

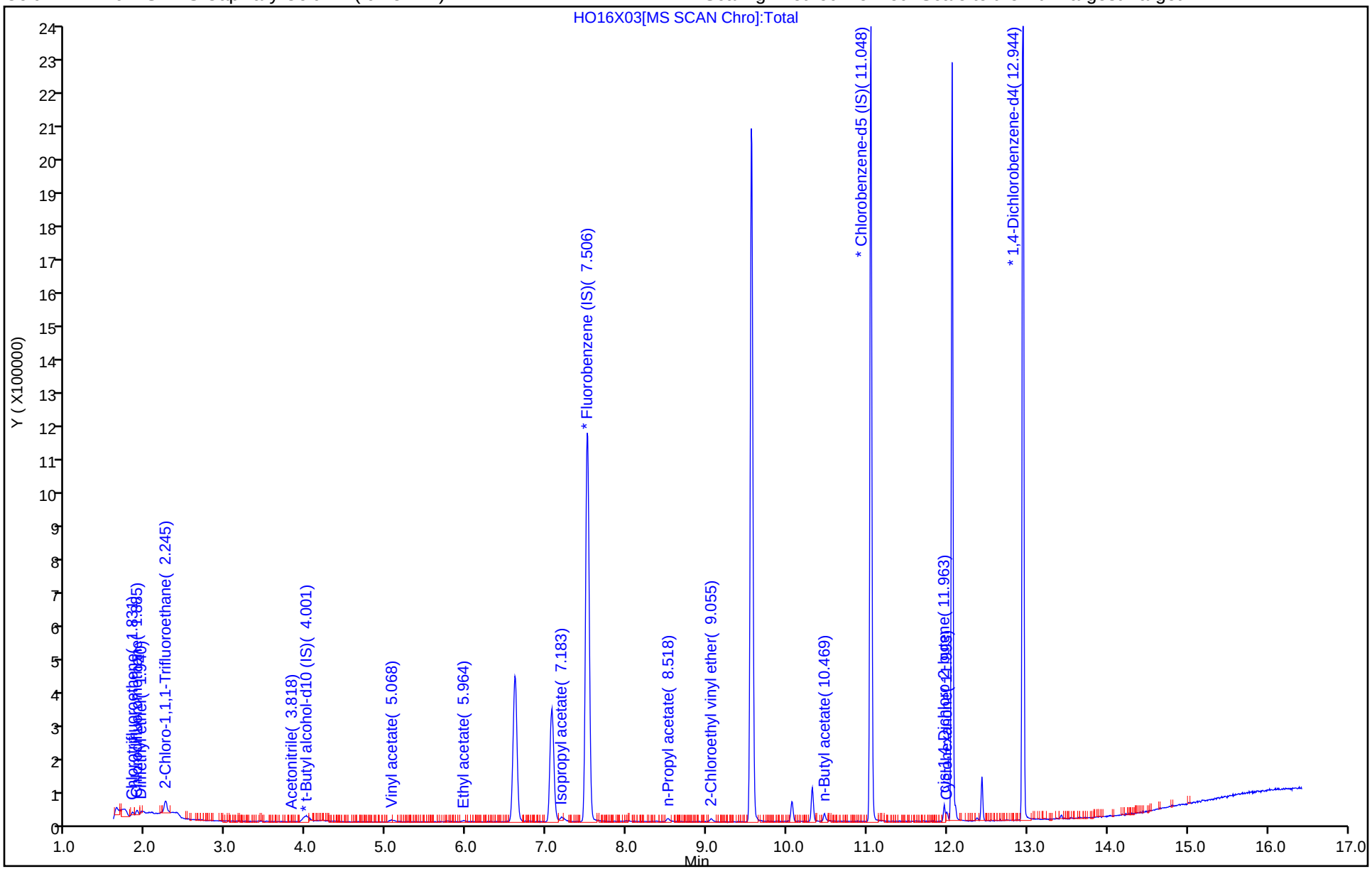
Report Date: 20-Oct-2023 13:24:31 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X03.D

Injection Date:	17-Oct-2023 04:42:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std2 0.5			Worklist Smp#:	4
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSV_19094_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: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

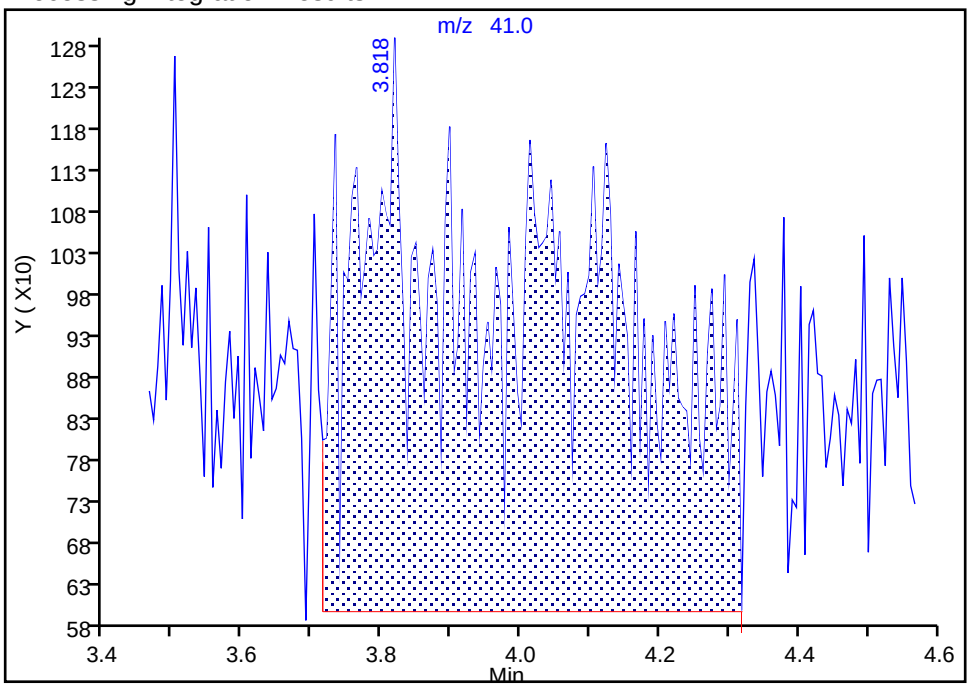
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X03.D				
Injection Date:	17-Oct-2023 04:42:30	Instrument ID:	19094		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Acetonitrile, CAS: 75-05-8

Signal: 1

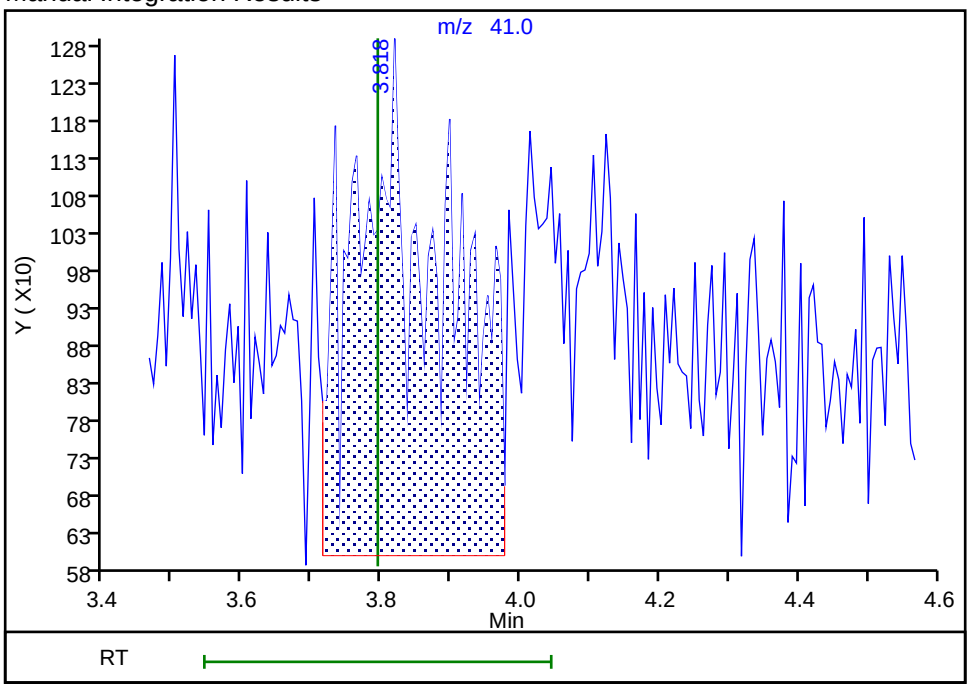
Processing Integration Results

RT: 3.82
Area: 12812
Amount: 6.944320
Amount Units: ug/l



Manual Integration Results

RT: 3.82
Area: 6036
Amount: 4.737468
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:07:58 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

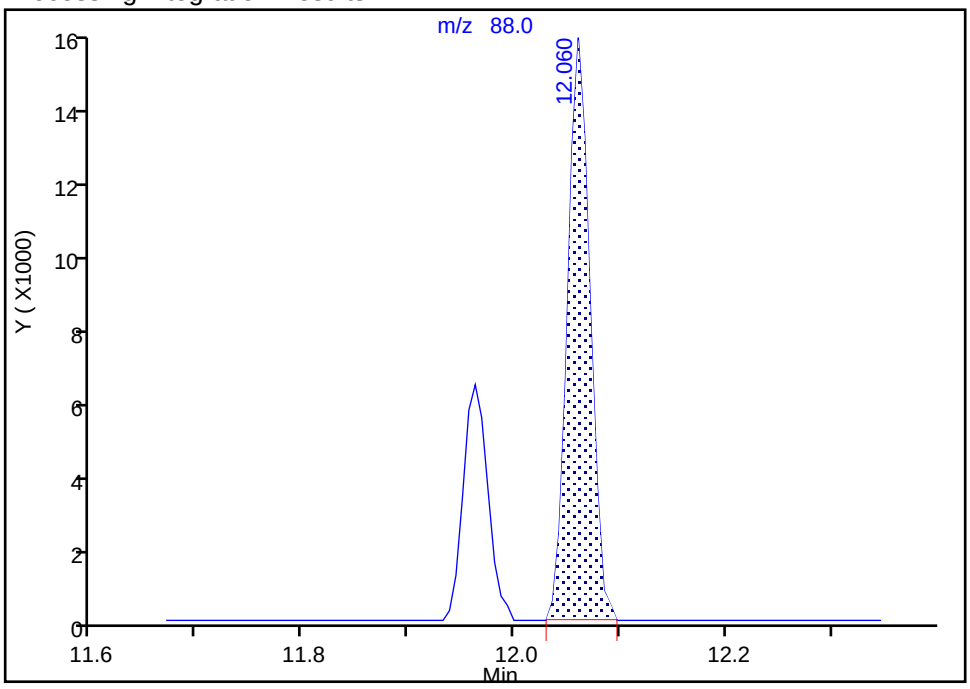
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X03.D				
Injection Date:	17-Oct-2023 04:42:30	Instrument ID:	19094		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

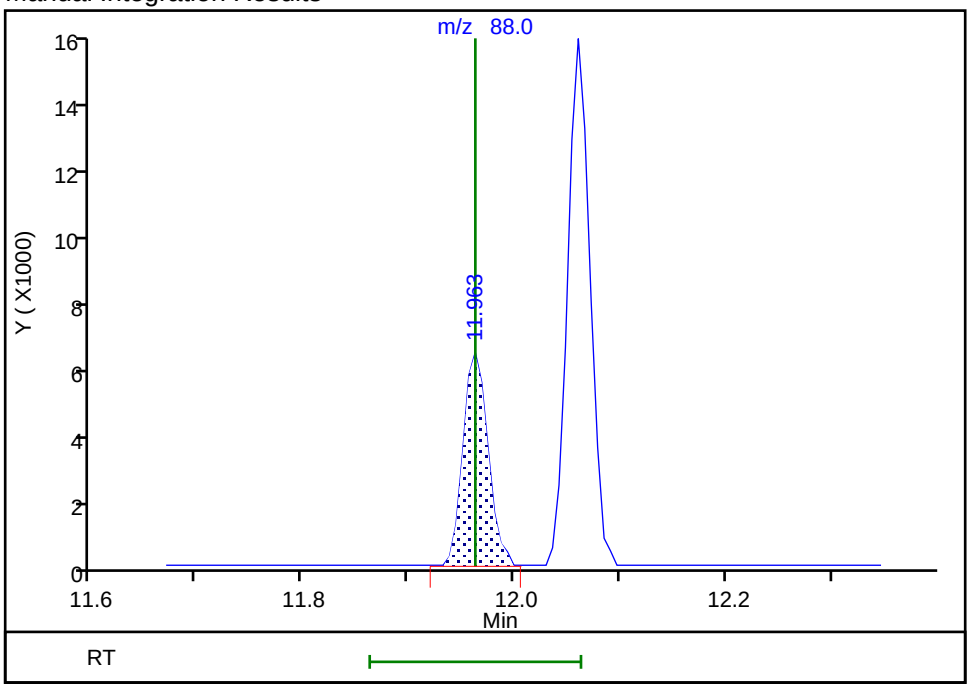
Processing Integration Results

RT: 12.06
Area: 23470
Amount: 2.116260
Amount Units: ug/l



Manual Integration Results

RT: 11.96
Area: 10491
Amount: 0.959120
Amount Units: ug/l



Reviewer: UCB5, 20-Oct-2023 12:13:06 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Wrong peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X04.D
Lims ID: IC std3 1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Oct-2023 05:02:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-005
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:33 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 11:02:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.837	1.831	0.006	92	34665	1.00	1.11	
3 Chlorodifluoromethane	51	1.879	1.879	0.000	97	70434	1.00	1.04	
4 Dimethyl ether	45	1.947	1.946	0.000	100	53016	1.00	0.9519	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.233	2.239	-0.006	36	57244	1.00	1.04	
25 Acetonitrile	41	3.800	3.794	0.006	73	6025	5.00	4.67	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.007	3.995	0.012	22	50562	50.0	50.0	
35 Vinyl acetate	43	5.062	5.056	0.006	96	42020	1.00	0.8705	
45 Ethyl acetate	43	5.964	5.946	0.018	97	18542	1.00	1.01	
61 Isopropyl acetate	43	7.189	7.189	0.000	98	44130	1.00	0.9128	
* 64 Fluorobenzene (IS)	96	7.506	7.513	-0.007	99	1727798	10.0	10.0	
75 n-Propyl acetate	61	8.506	8.506	0.000	98	8390	1.00	1.00	M
78 2-Chloroethyl vinyl ether	63	9.049	9.049	0.000	94	14647	1.00	0.9787	
110 n-Butyl acetate	43	10.469	10.463	0.006	98	36795	1.00	0.9480	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1298673	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.963	11.963	0.000	31	21013	2.00	1.91	a
125 Cyclohexanone	55	11.999	11.999	0.000	92	13039	50.0	51.5	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	719528	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

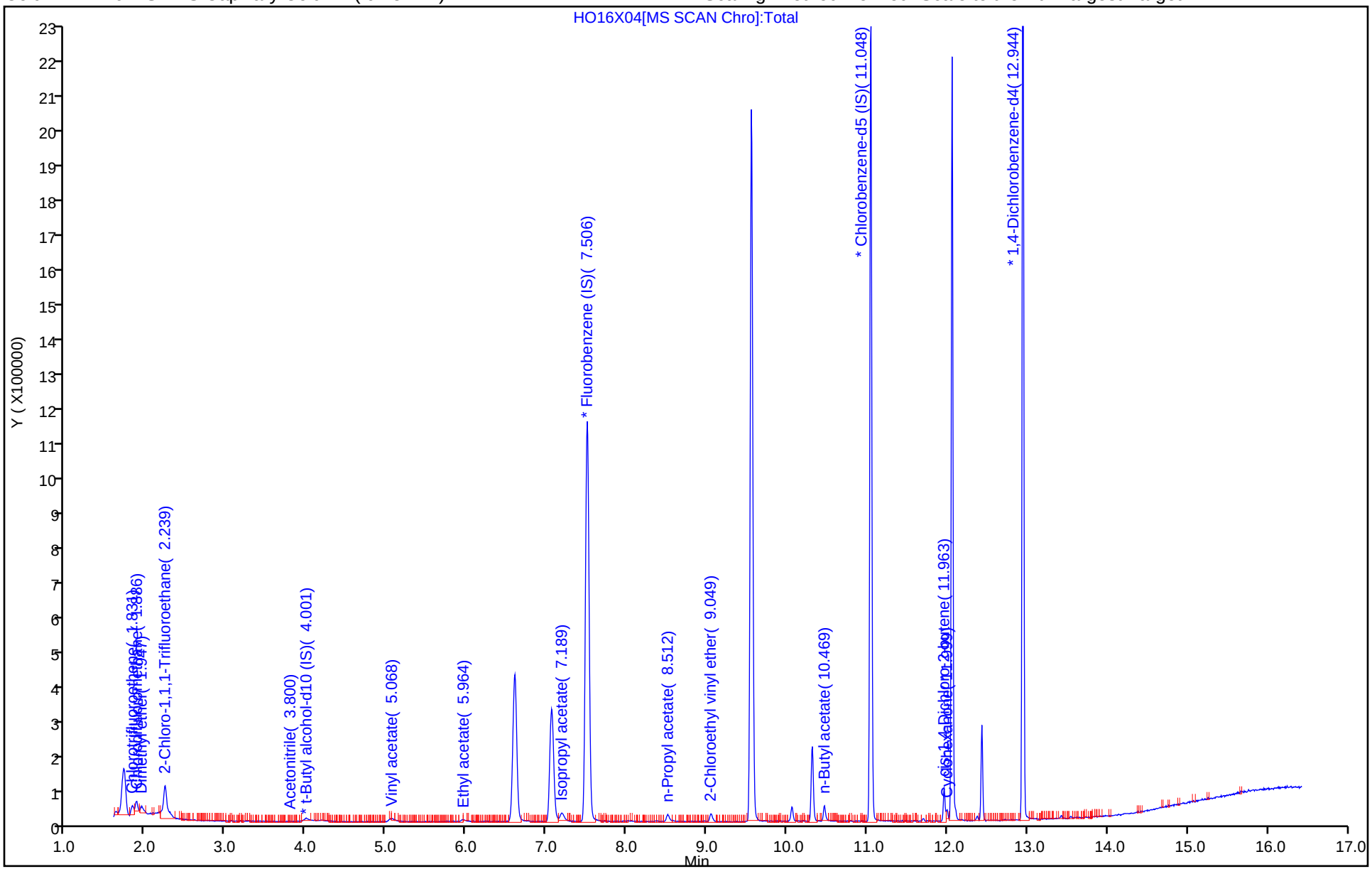
MSV_CCV_V5ACE_00029	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00007	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00063	Amount Added:	5.00	Units: uL
MSV_DME_00049	Amount Added:	1.00	Units: uL
MSV_LLcentISS_00010	Amount Added:	5.00	Units: uL

Report Date: 20-Oct-2023 13:24:33 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X04.D				
Injection Date:	17-Oct-2023 05:02:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std3 1			Worklist Smp#:	5
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSV_19094_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: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

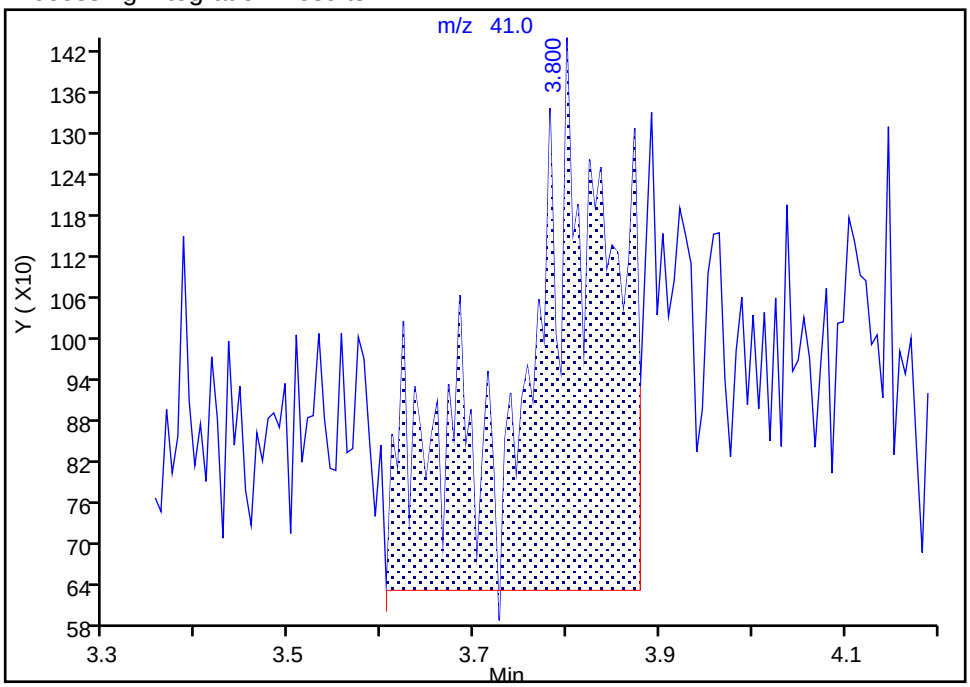
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X04.D				
Injection Date:	17-Oct-2023 05:02:30	Instrument ID:	19094		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Acetonitrile, CAS: 75-05-8

Signal: 1

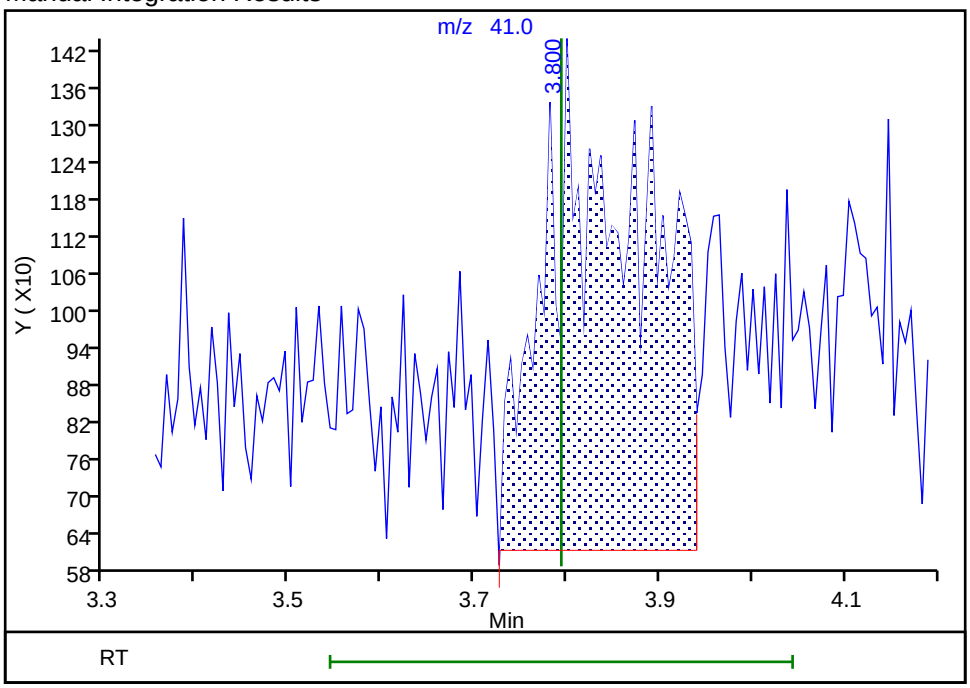
Processing Integration Results

RT: 3.80
Area: 5588
Amount: 3.783260
Amount Units: ug/l



Manual Integration Results

RT: 3.80
Area: 6025
Amount: 4.667133
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:08:46 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

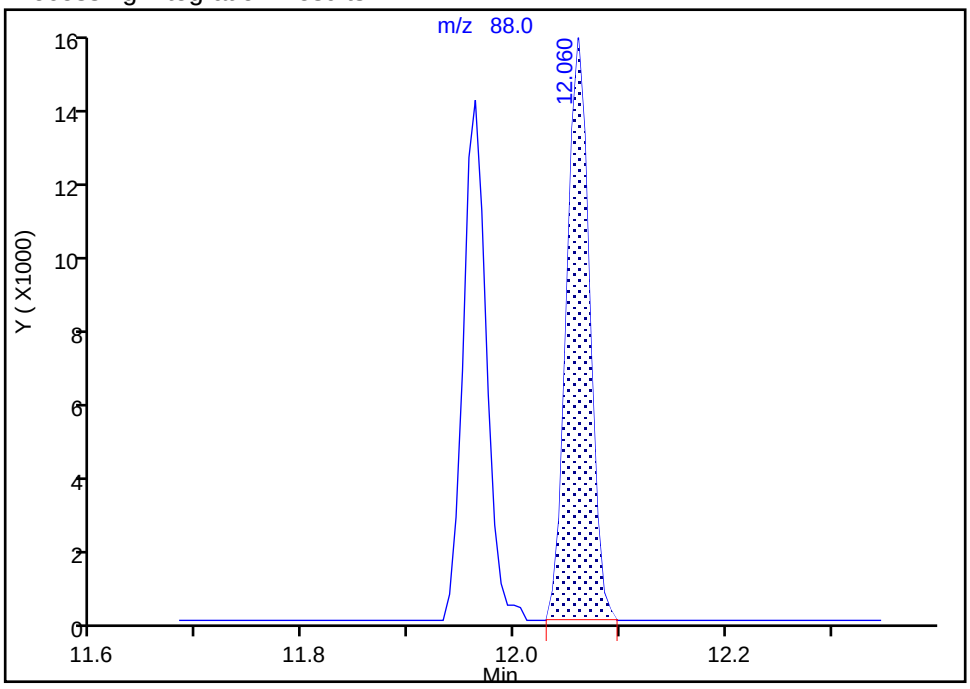
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X04.D				
Injection Date:	17-Oct-2023 05:02:30	Instrument ID:	19094		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

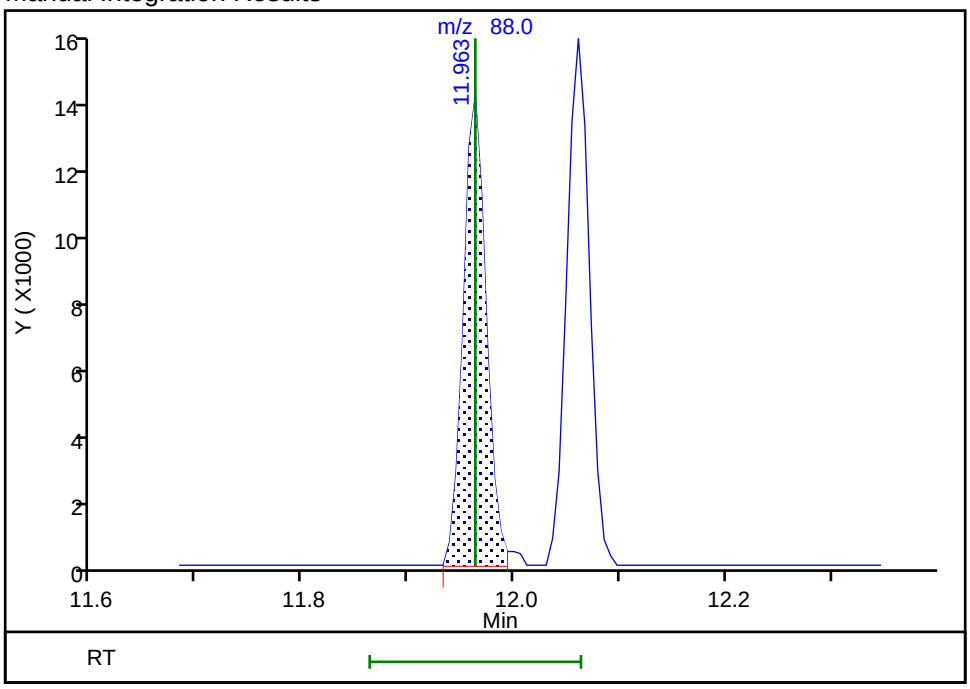
Processing Integration Results

RT: 12.06
Area: 23415
Amount: 2.469582
Amount Units: ug/l



Manual Integration Results

RT: 11.96
Area: 21013
Amount: 1.913056
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:09:05 -04:00:00 (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\19094\20231016-96799.b\HO16X05.D
Lims ID: IC std4 2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Oct-2023 05:22:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-006
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:36 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 11:01:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.843	1.843	0.000	95	69114	2.00	2.23	
3 Chlorodifluoromethane	51	1.892	1.892	0.000	97	138984	2.00	2.07	
4 Dimethyl ether	45	1.959	1.959	0.000	99	105764	2.00	1.91	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.245	2.245	0.000	47	115202	2.00	2.11	
25 Acetonitrile	41	3.830	3.830	0.000	25	15126	10.0	11.8	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.025	4.025	0.000	25	54332	50.0	50.0	
35 Vinyl acetate	43	5.068	5.068	0.000	98	98648	2.00	2.05	
45 Ethyl acetate	43	5.964	5.964	0.000	99	35170	2.00	1.93	
61 Isopropyl acetate	43	7.195	7.195	0.000	98	85303	2.00	1.77	
* 64 Fluorobenzene (IS)	96	7.512	7.512	0.000	98	1718207	10.0	10.0	
75 n-Propyl acetate	61	8.512	8.512	0.000	99	16035	2.00	1.93	
78 2-Chloroethyl vinyl ether	63	9.055	9.055	0.000	93	31768	2.00	2.13	
110 n-Butyl acetate	43	10.469	10.469	0.000	98	73642	2.00	1.89	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1304716	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.963	11.963	0.000	31	44457	4.00	4.03	a
125 Cyclohexanone	55	11.999	11.999	0.000	93	24681	100.0	90.7	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	722428	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00029	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00007	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00063	Amount Added:	5.00	Units: uL
MSV_DME_00049	Amount Added:	1.00	Units: uL
MSV_LLcentISS_00010	Amount Added:	5.00	Units: uL

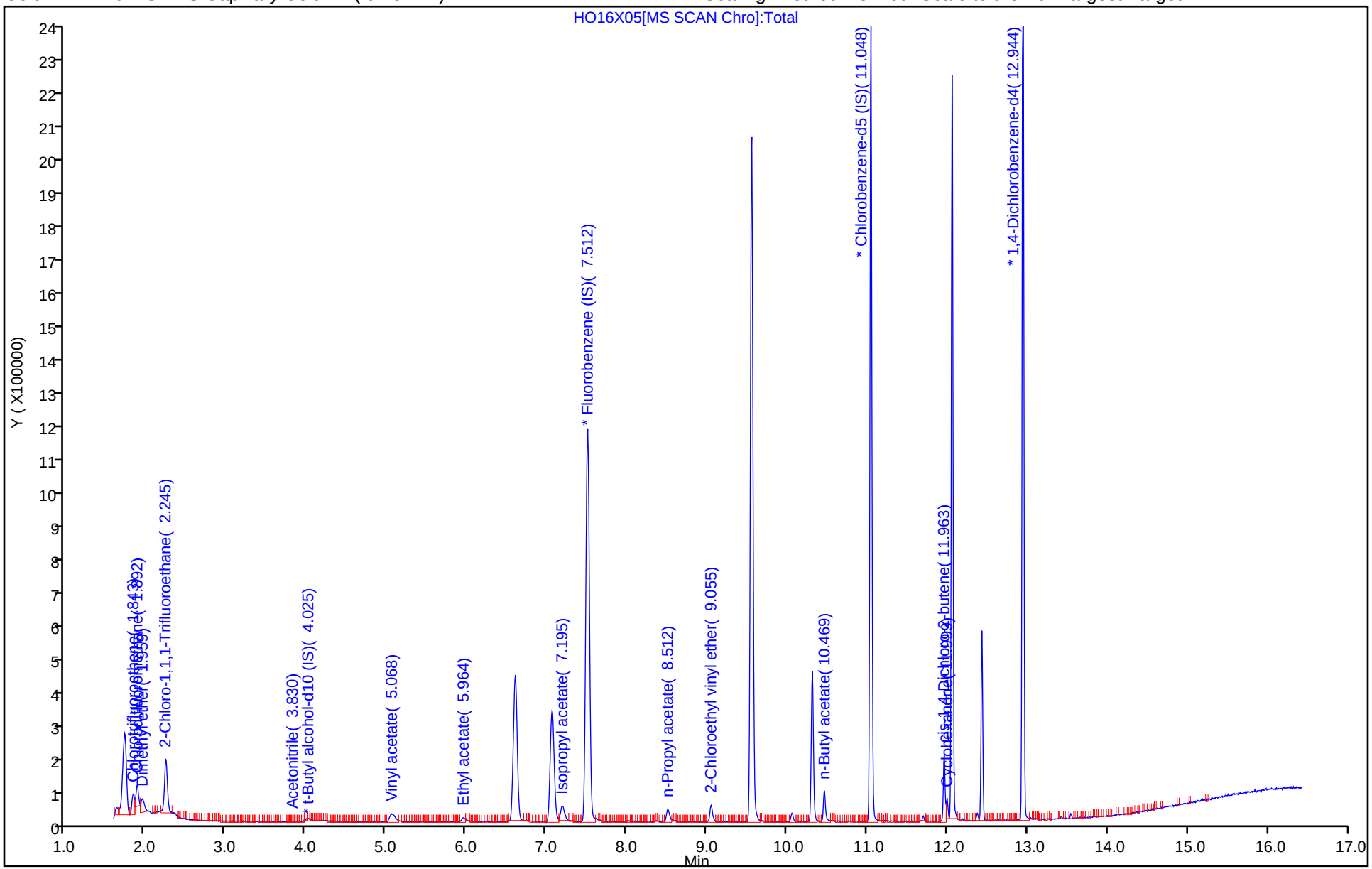
Report Date: 20-Oct-2023 13:24:37 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X05.D

Injection Date:	17-Oct-2023 05:22:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std4 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSV_19094_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: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

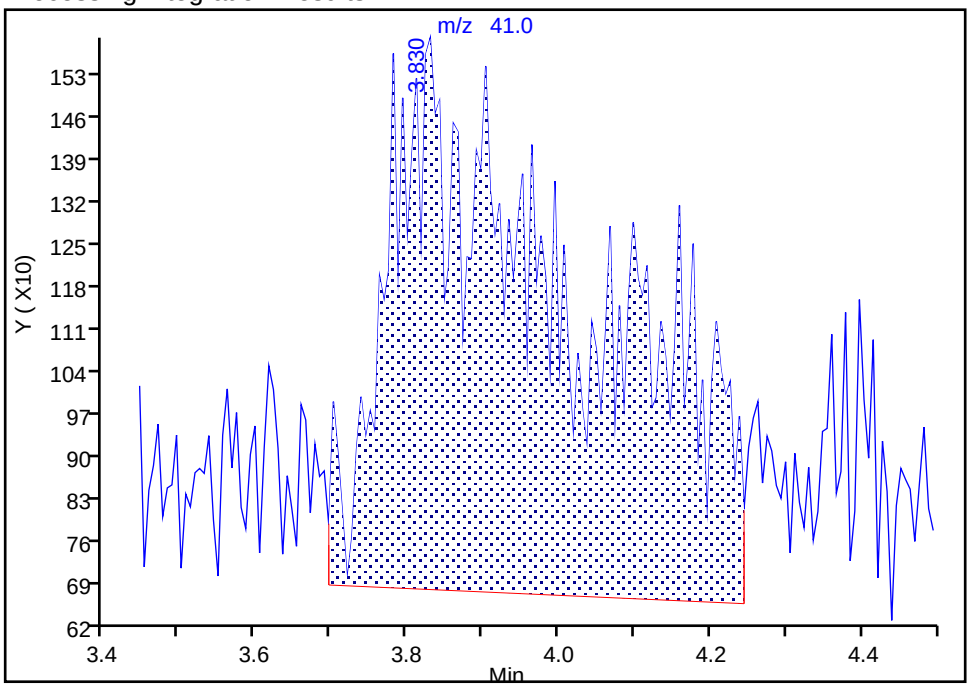
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X05.D				
Injection Date:	17-Oct-2023 05:22:30	Instrument ID:	19094		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Acetonitrile, CAS: 75-05-8

Signal: 1

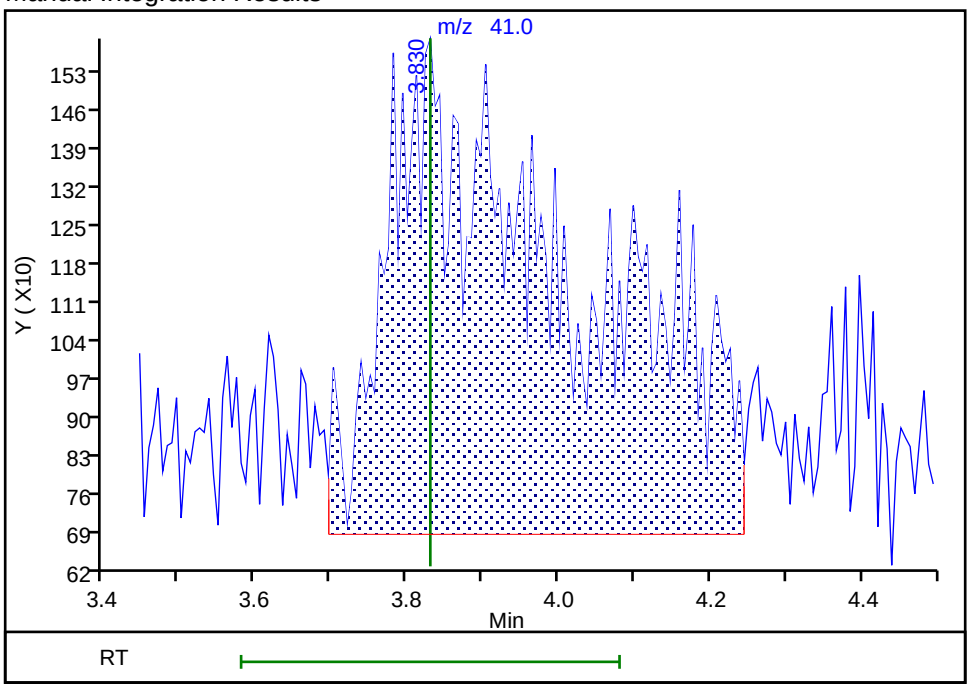
Processing Integration Results

RT: 3.83
Area: 15526
Amount: 10.481684
Amount Units: ug/l



Manual Integration Results

RT: 3.83
Area: 15126
Amount: 11.782426
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:09:24 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

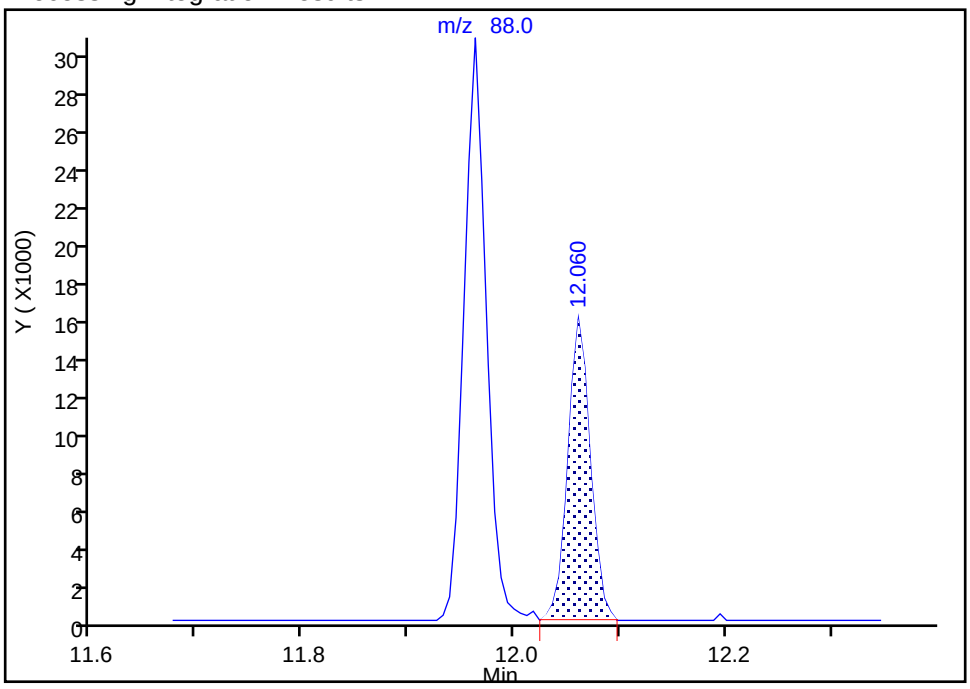
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X05.D				
Injection Date:	17-Oct-2023 05:22:30	Instrument ID:	19094		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

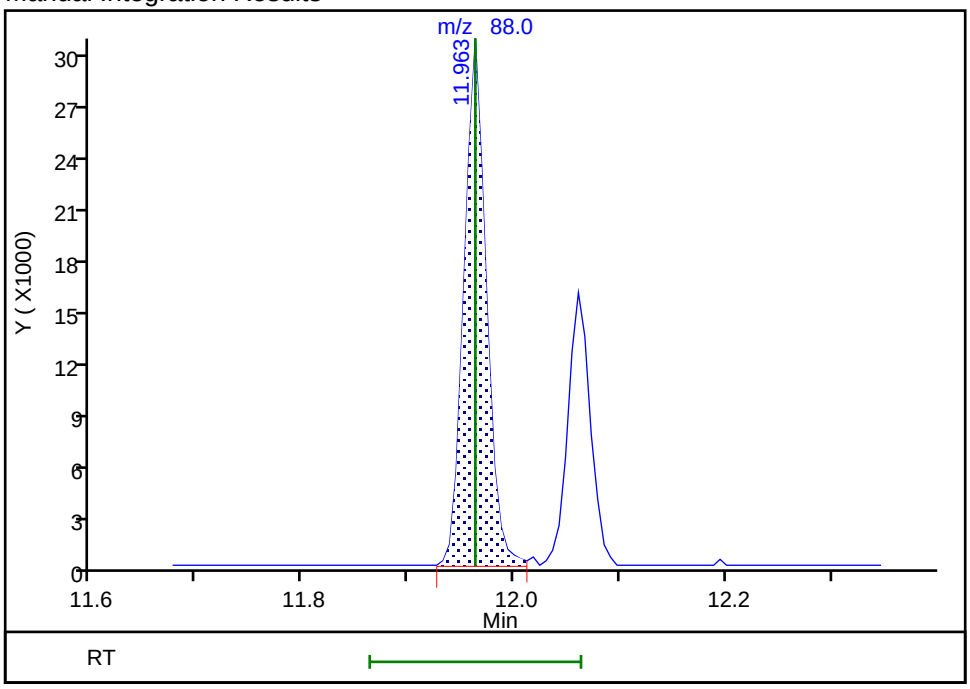
Processing Integration Results

RT: 12.06
Area: 23306
Amount: 2.491793
Amount Units: ug/l



Manual Integration Results

RT: 11.96
Area: 44457
Amount: 4.028688
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:09:35 -04:00:00 (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\19094\20231016-96799.b\HO16X06.D
Lims ID: IC std5 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Oct-2023 05:42:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-007
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:39 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 10:58:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.837	1.843	-0.006	95	146275	5.00	4.71	
3 Chlorodifluoromethane	51	1.886	1.892	-0.006	97	312786	5.00	4.65	
4 Dimethyl ether	45	1.953	1.959	-0.006	99	254403	5.00	4.59	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.245	2.245	0.000	35	260587	5.00	4.77	
25 Acetonitrile	41	3.788	3.830	-0.042	19	34440	25.0	26.8	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.013	4.025	-0.012	26	57201	50.0	50.0	
35 Vinyl acetate	43	5.056	5.068	-0.012	98	252825	5.00	5.26	
45 Ethyl acetate	43	5.958	5.964	-0.006	99	92066	5.00	5.06	
61 Isopropyl acetate	43	7.196	7.195	0.001	98	229516	5.00	4.77	
* 64 Fluorobenzene (IS)	96	7.507	7.512	-0.006	98	1720288	10.0	10.0	
75 n-Propyl acetate	61	8.506	8.512	-0.006	99	43661	5.00	5.24	
78 2-Chloroethyl vinyl ether	63	9.049	9.055	-0.006	94	74772	5.00	5.02	
110 n-Butyl acetate	43	10.463	10.469	-0.006	97	194010	5.00	4.97	
* 113 Chlorobenzene-d5 (IS)	117	11.049	11.048	0.000	87	1305006	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.963	11.963	0.000	31	109600	10.0	9.93	a
125 Cyclohexanone	55	12.000	11.999	0.001	92	68571	250.0	239.5	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	725450	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00029	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00007	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00063	Amount Added:	5.00	Units: uL
MSV_DME_00049	Amount Added:	1.00	Units: uL
MSV_LLcentISS_00010	Amount Added:	5.00	Units: uL

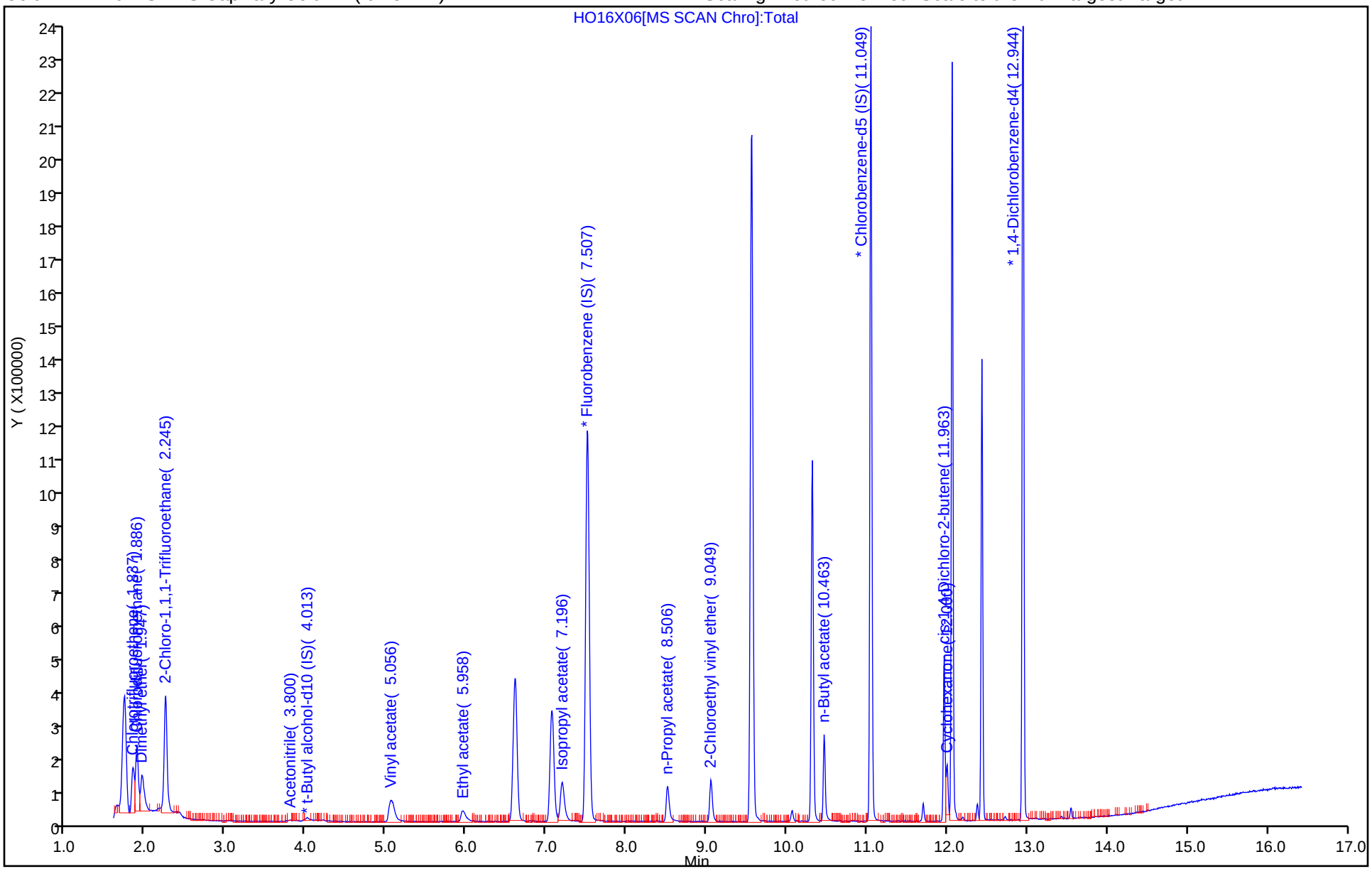
Report Date: 20-Oct-2023 13:24:40 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X06.D

Injection Date:	17-Oct-2023 05:42:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std5 5			Worklist Smp#:	7
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSV_19094_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: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

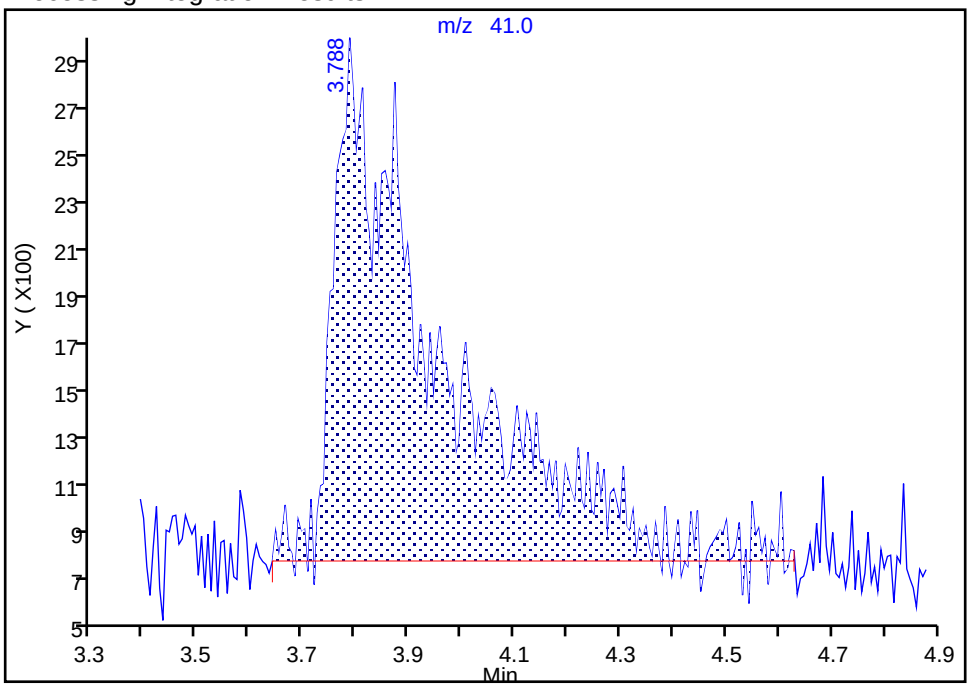
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X06.D				
Injection Date:	17-Oct-2023 05:42:30	Instrument ID:	19094		
Lims ID:	IC std5 5				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Acetonitrile, CAS: 75-05-8

Signal: 1

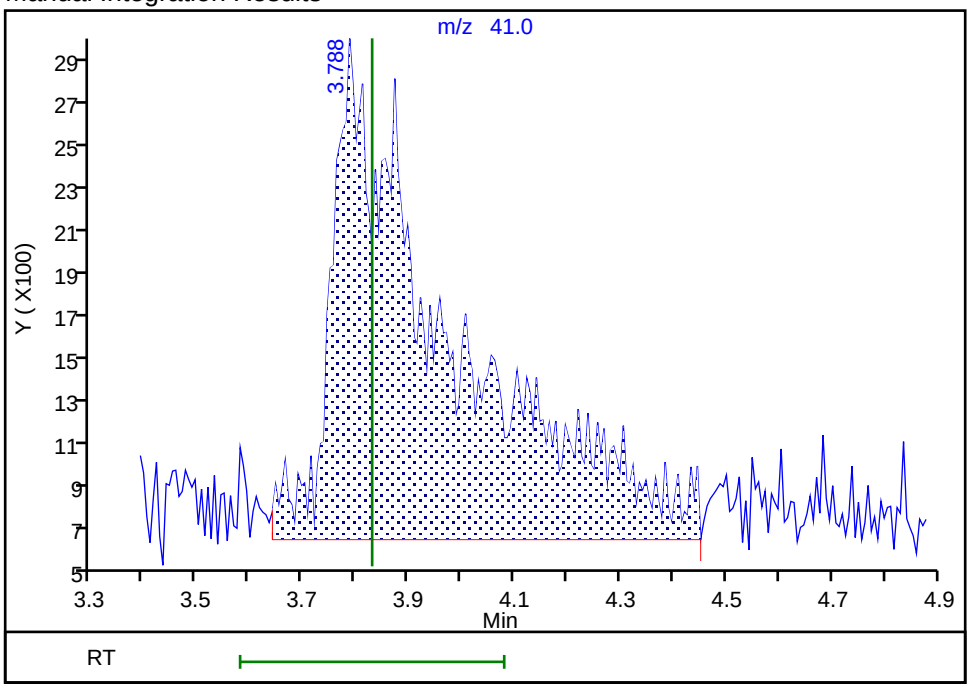
Processing Integration Results

RT: 3.79
Area: 28627
Amount: 19.377614
Amount Units: ug/l



Manual Integration Results

RT: 3.79
Area: 34440
Amount: 26.794650
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:10:14 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

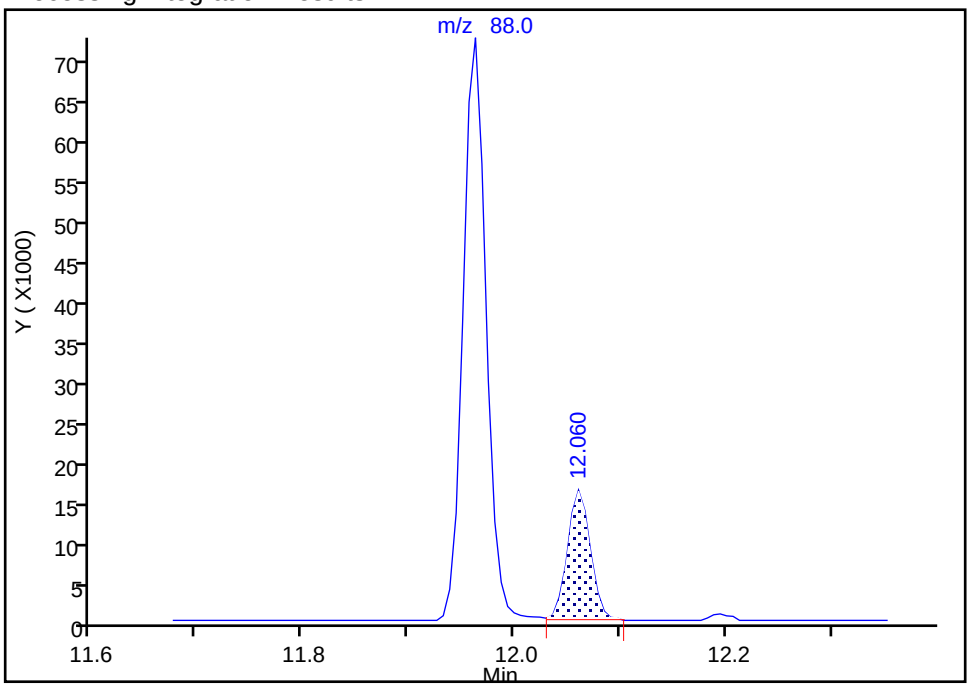
Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X06.D
Injection Date: 17-Oct-2023 05:42:30 Instrument ID: 19094
Lims ID: IC std5 5
Client ID:
Operator ID: GAW91131 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

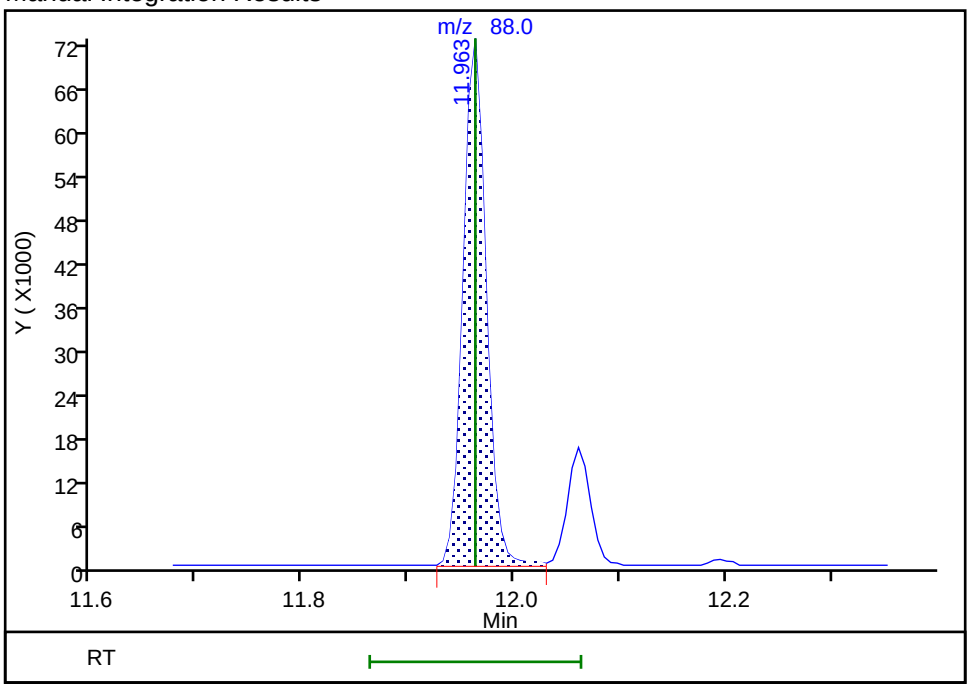
Processing Integration Results

RT: 12.06
Area: 24539
Amount: 2.427017
Amount Units: ug/l



Manual Integration Results

RT: 11.96
Area: 109600
Amount: 9.929732
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:10:24 -04:00:00 (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\19094\20231016-96799.b\HO16X07.D
Lims ID: IC std6 10
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 17-Oct-2023 06:02:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-008
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:42 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 10:57:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.831	1.831	0.000	93	337054	10.0	10.8	
3 Chlorodifluoromethane	51	1.879	1.879	0.000	97	690429	10.0	10.2	
4 Dimethyl ether	45	1.946	1.946	0.000	99	501744	10.0	9.03	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.239	2.239	0.000	35	566296	10.0	10.3	
25 Acetonitrile	41	3.794	3.794	0.000	98	61078	50.0	47.4	
* 28 t-Butyl alcohol-d10 (IS)	65	4.007	4.007	0.000	22	48600	50.0	50.0	
35 Vinyl acetate	43	5.056	5.056	0.000	97	547670	10.0	11.4	
45 Ethyl acetate	43	5.946	5.946	0.000	99	201819	10.0	11.1	
61 Isopropyl acetate	43	7.189	7.189	0.000	98	479066	10.0	9.93	
* 64 Fluorobenzene (IS)	96	7.506	7.506	0.000	98	1723746	10.0	10.0	
75 n-Propyl acetate	61	8.506	8.506	0.000	99	96024	10.0	11.5	
78 2-Chloroethyl vinyl ether	63	9.049	9.049	0.000	93	162372	10.0	10.9	
110 n-Butyl acetate	43	10.463	10.463	0.000	97	417864	10.0	10.7	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1305002	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.963	11.963	0.000	31	234632	20.0	21.3	a
125 Cyclohexanone	55	11.999	11.999	0.000	93	116757	500.0	479.9	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	727425	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00029	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00007	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00063	Amount Added:	5.00	Units: uL
MSV_DME_00049	Amount Added:	1.00	Units: uL
MSV_LLcentISS_00010	Amount Added:	5.00	Units: uL

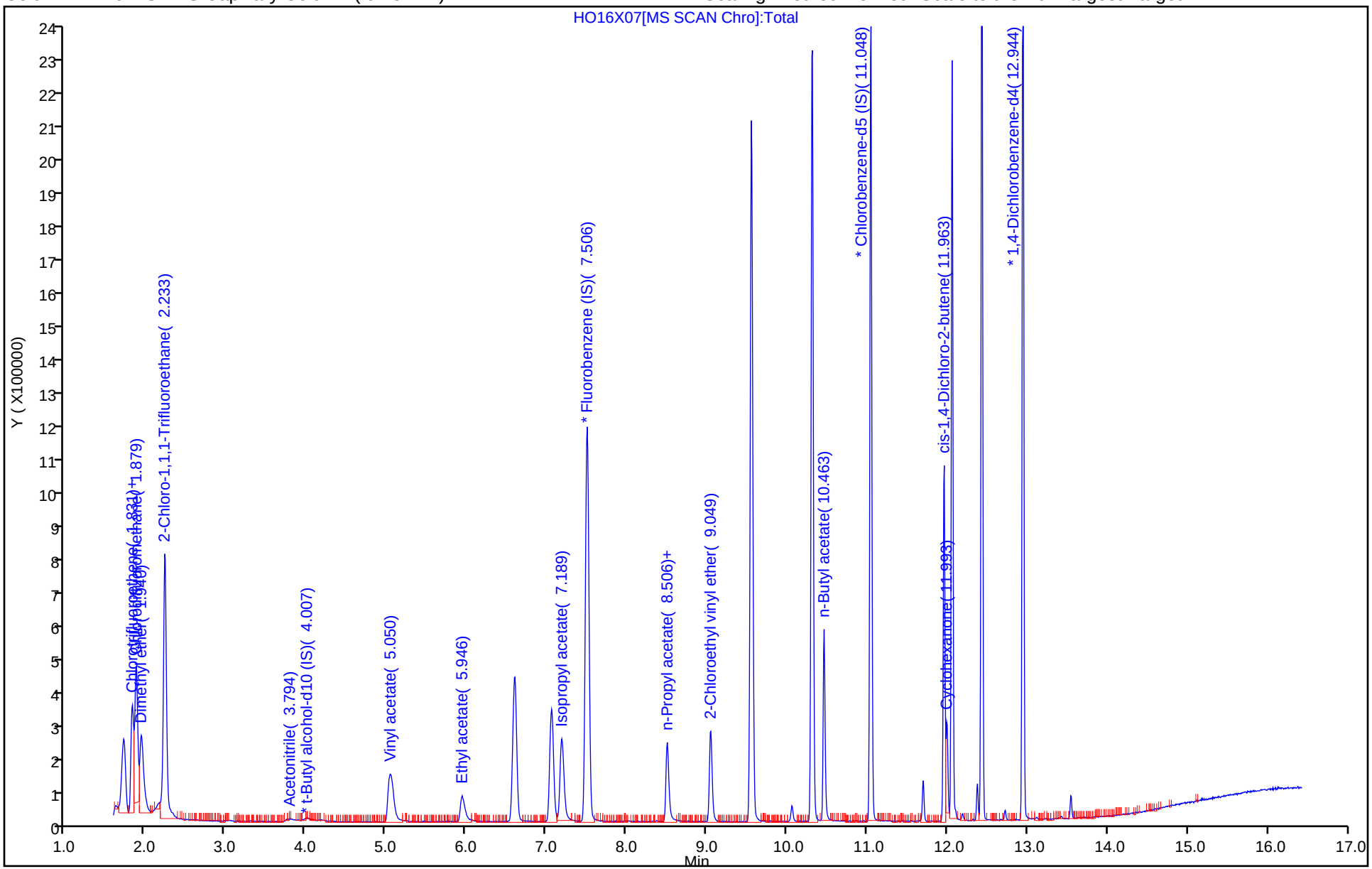
Report Date: 20-Oct-2023 13:24:43 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X07.D

Injection Date:	17-Oct-2023 06:02:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std6 10			Worklist Smp#:	8
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSV_19094_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: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

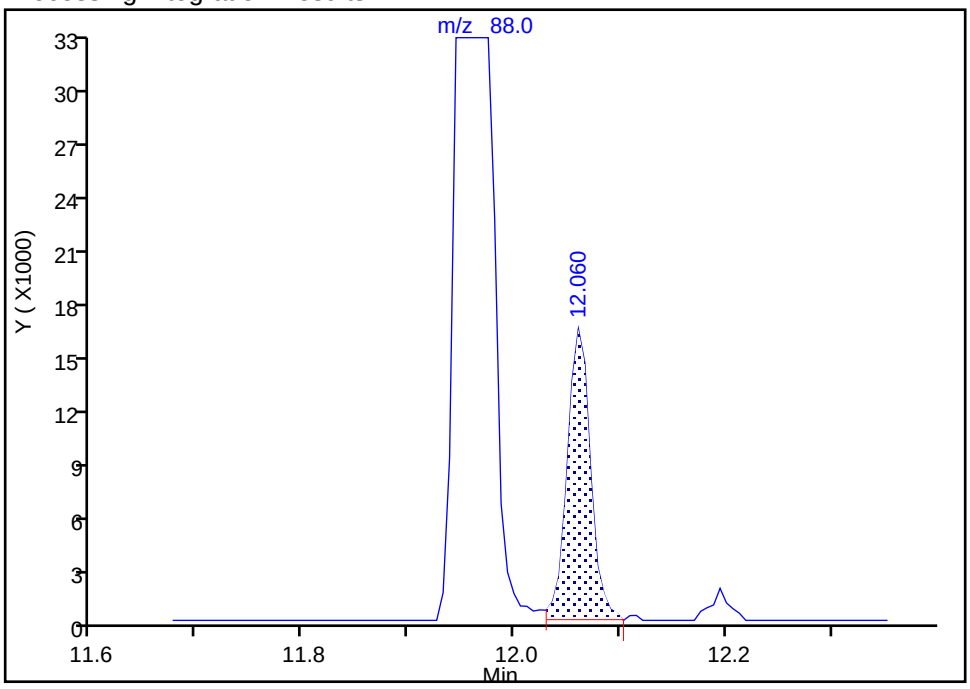
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X07.D				
Injection Date:	17-Oct-2023 06:02:30	Instrument ID:	19094		
Lims ID:	IC std6 10				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

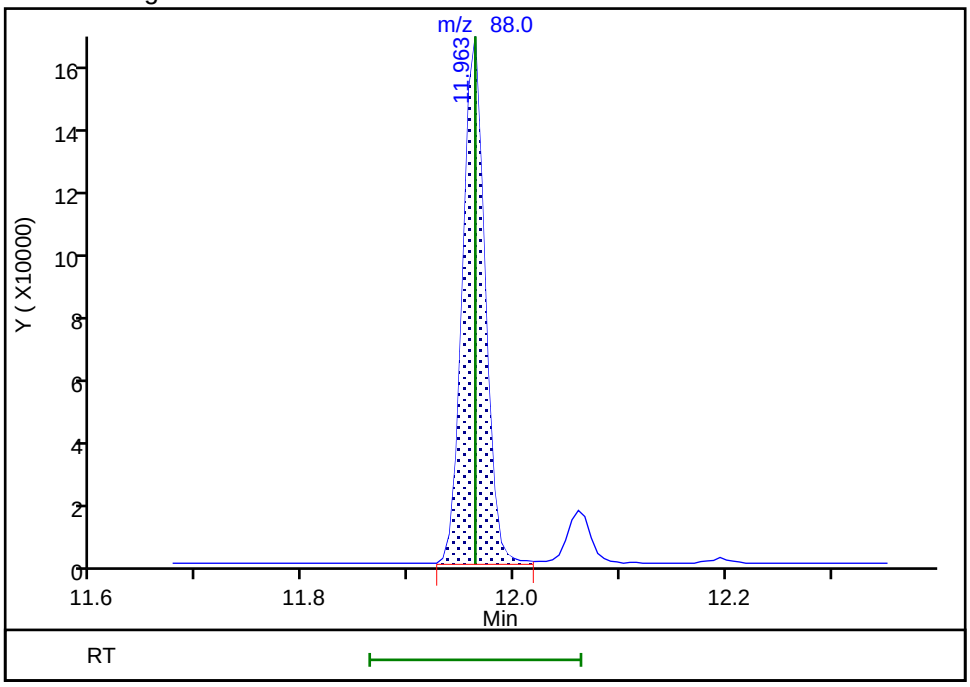
Processing Integration Results

RT: 12.06
Area: 24738
Amount: 1.657029
Amount Units: ug/l



Manual Integration Results

RT: 11.96
Area: 234632
Amount: 21.257664
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:06:27 -04:00:00 (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\19094\20231016-96799.b\HO16X08.D
Lims ID: IC std7 25
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Oct-2023 06:22:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-009
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:47 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 10:59:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.837	1.831	0.006	93	819411	25.0	26.1	
3 Chlorodifluoromethane	51	1.886	1.879	0.007	97	1693144	25.0	24.9	
4 Dimethyl ether	45	1.953	1.946	0.007	99	1223405	25.0	21.8	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.245	2.239	0.006	36	1389733	25.0	25.2	
25 Acetonitrile	41	3.775	3.794	-0.019	99	141016	125.0	108.5	
* 28 t-Butyl alcohol-d10 (IS)	65	4.032	4.007	0.025	22	49520	50.0	50.0	
35 Vinyl acetate	43	5.050	5.056	-0.006	97	1013527	25.0	20.9	
45 Ethyl acetate	43	5.952	5.946	0.006	99	436711	25.0	23.7	
61 Isopropyl acetate	43	7.189	7.189	0.000	98	1079542	25.0	22.2	
* 64 Fluorobenzene (IS)	96	7.506	7.506	0.000	99	1739369	10.0	10.0	
75 n-Propyl acetate	61	8.506	8.506	0.000	99	216167	25.0	25.7	
78 2-Chloroethyl vinyl ether	63	9.049	9.049	0.000	93	405249	25.0	26.9	
110 n-Butyl acetate	43	10.463	10.463	0.000	97	935873	25.0	23.6	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1325140	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.963	11.963	0.000	100	588344	50.0	52.5	a
125 Cyclohexanone	55	11.999	11.999	0.000	93	330431	1250.0	1332.9	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	733535	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00029	Amount Added:	2.50	Units: uL
MSV_CCV_CYC_00007	Amount Added:	20.00	Units: uL
MSV_V_SMRV4_00063	Amount Added:	12.50	Units: uL
MSV_DME_00049	Amount Added:	2.50	Units: uL
MSV_LLcentISS_00010	Amount Added:	5.00	Units: uL

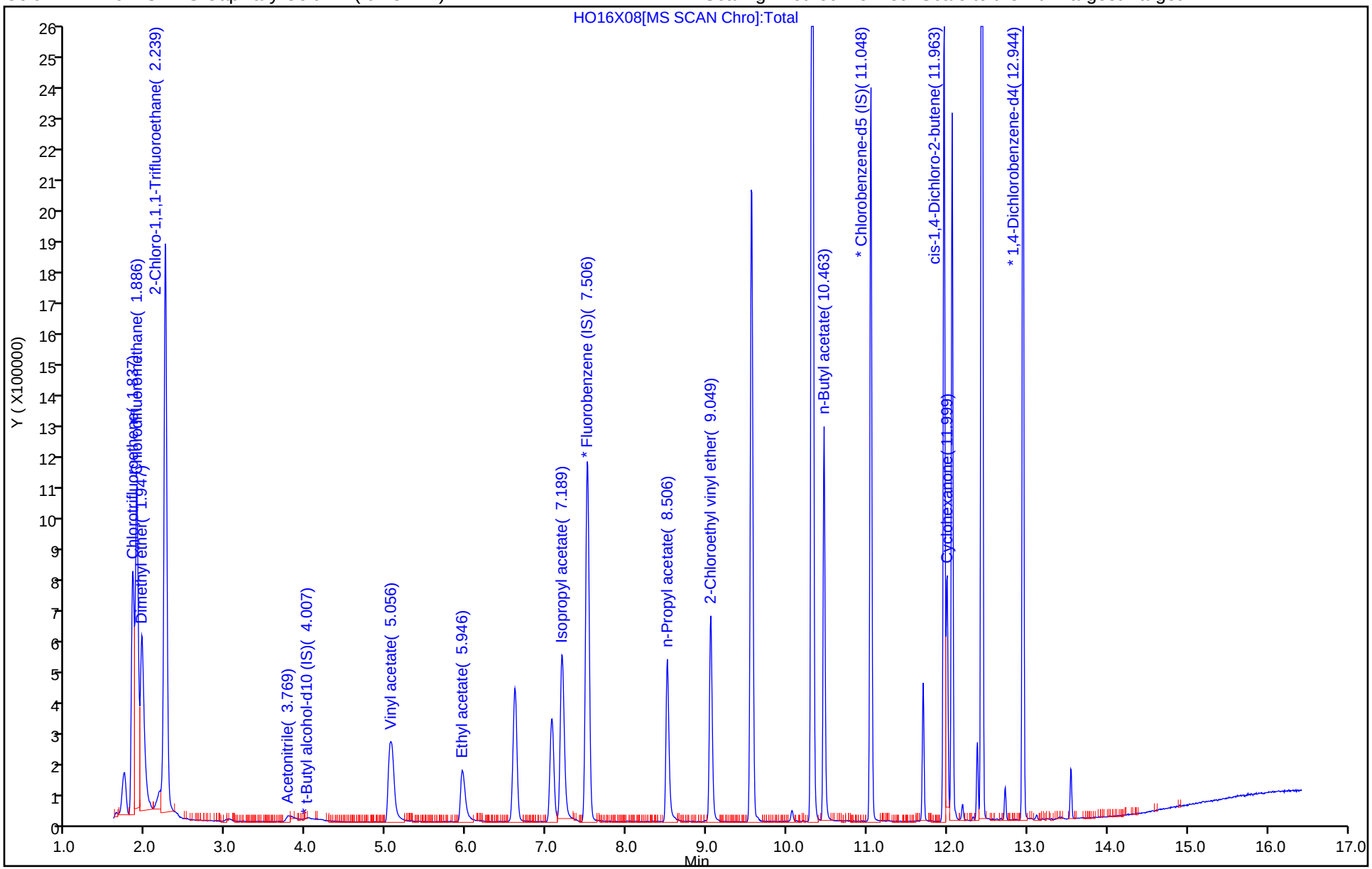
Report Date: 20-Oct-2023 13:24:49 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X08.D

Injection Date:	17-Oct-2023 06:22:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std7 25			Worklist Smp#:	9
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSV_19094_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: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

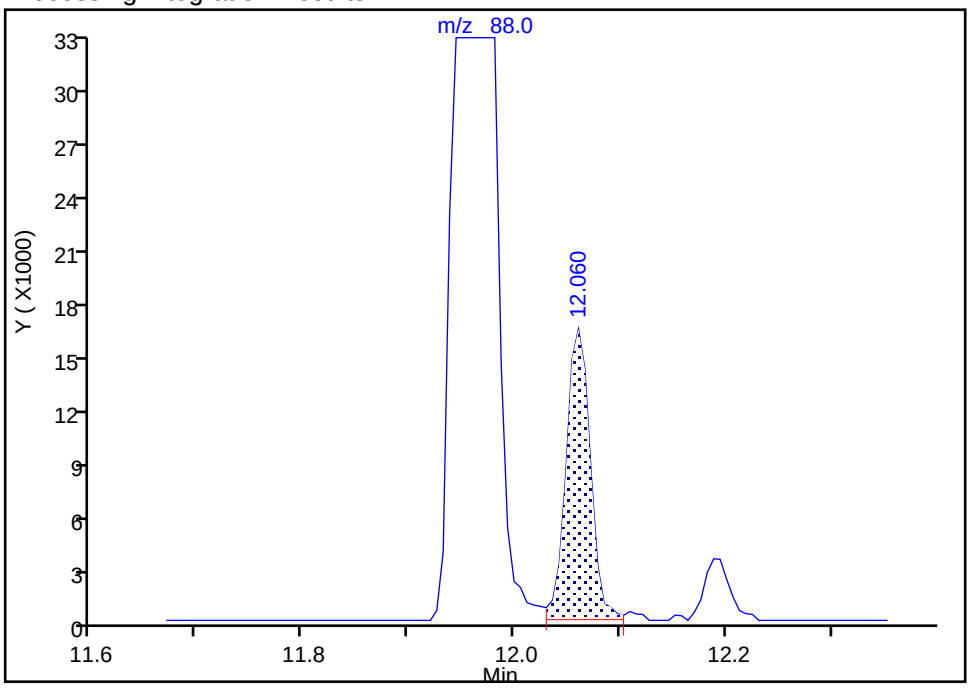
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X08.D				
Injection Date:	17-Oct-2023 06:22:30	Instrument ID:	19094		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

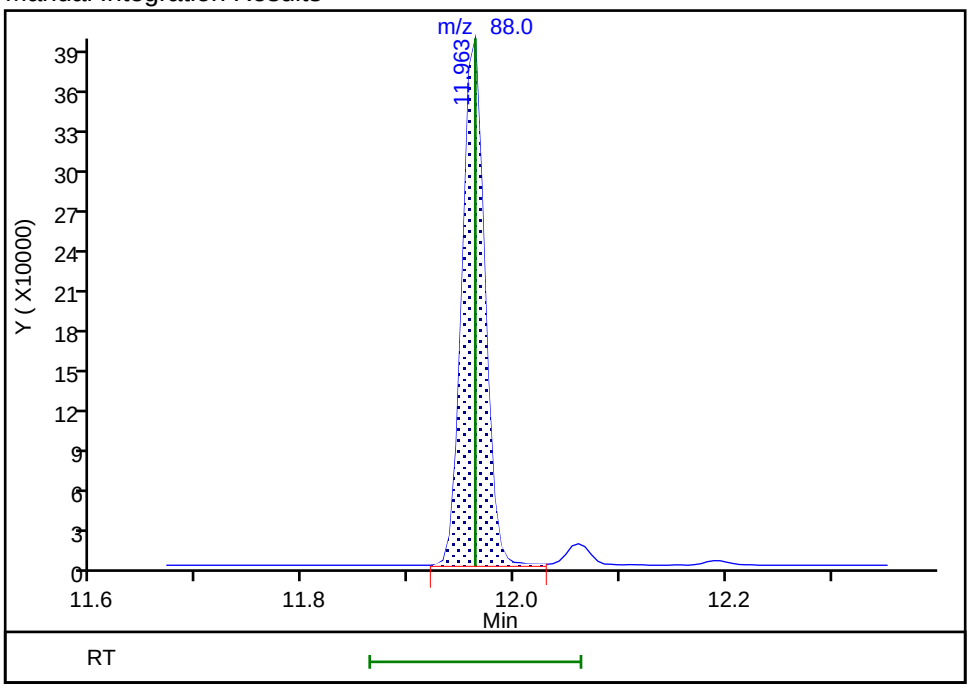
Processing Integration Results

RT: 12.06
Area: 25885
Amount: 2.250734
Amount Units: ug/l



Manual Integration Results

RT: 11.96
Area: 588344
Amount: 52.493924
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:12:03 -04:00:00 (UTC)
Audit Action: Assigned Compound ID 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

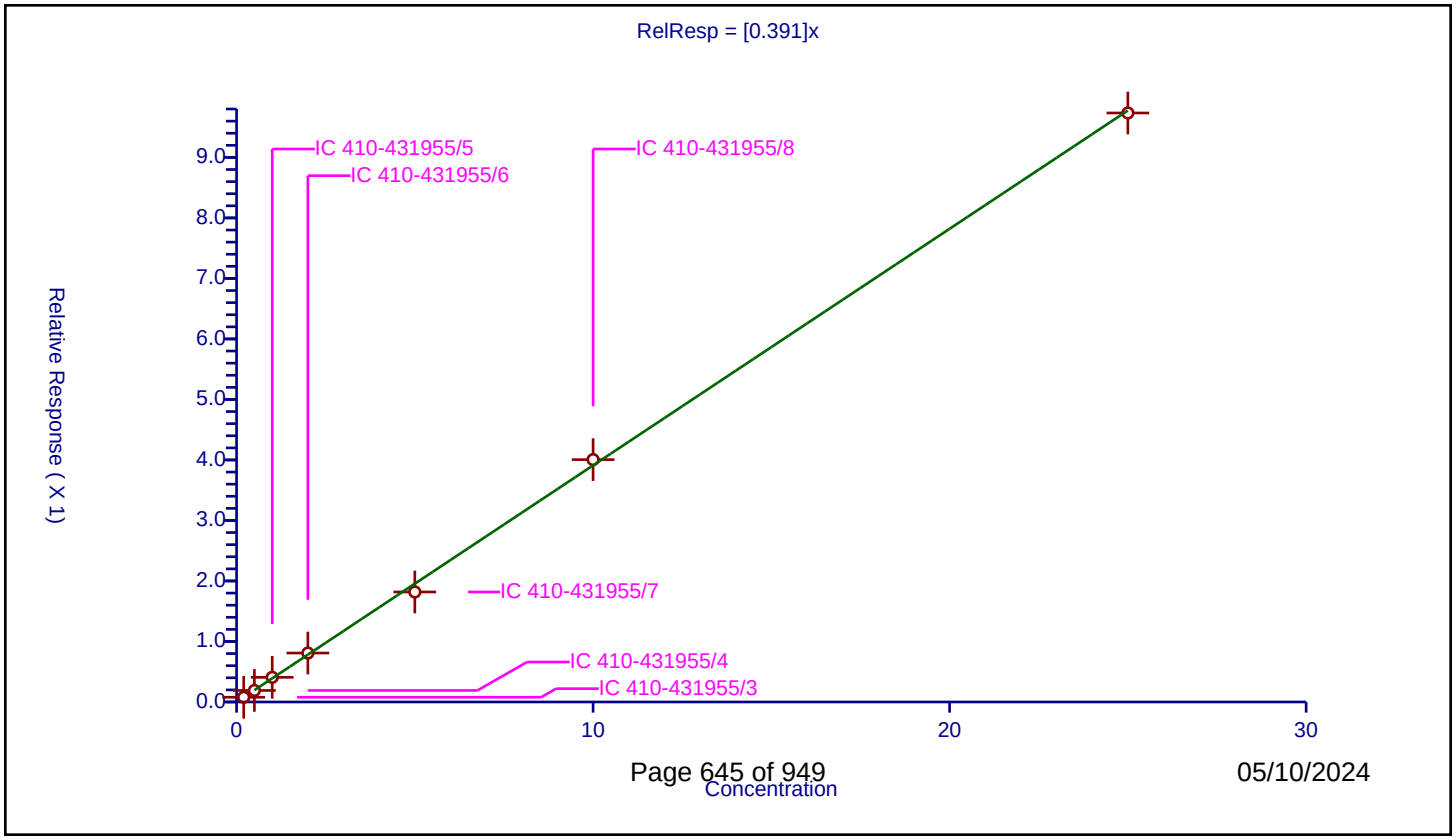
Curve Coefficients

Intercept:	0
Slope:	0.391

Error Coefficients

Standard Error:	760000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/3	0.2	0.078052	10.0	1743969.0	0.390259	Y
2	IC 410-431955/4	0.5	0.190611	10.0	1705254.0	0.381222	Y
3	IC 410-431955/5	1.0	0.407652	10.0	1727798.0	0.407652	Y
4	IC 410-431955/6	2.0	0.80889	10.0	1718207.0	0.404445	Y
5	IC 410-431955/7	5.0	1.818219	10.0	1720288.0	0.363644	Y
6	IC 410-431955/8	10.0	4.005399	10.0	1723746.0	0.40054	Y
7	IC 410-431955/9	25.0	9.734243	10.0	1739369.0	0.38937	Y



Calibration / Dimethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

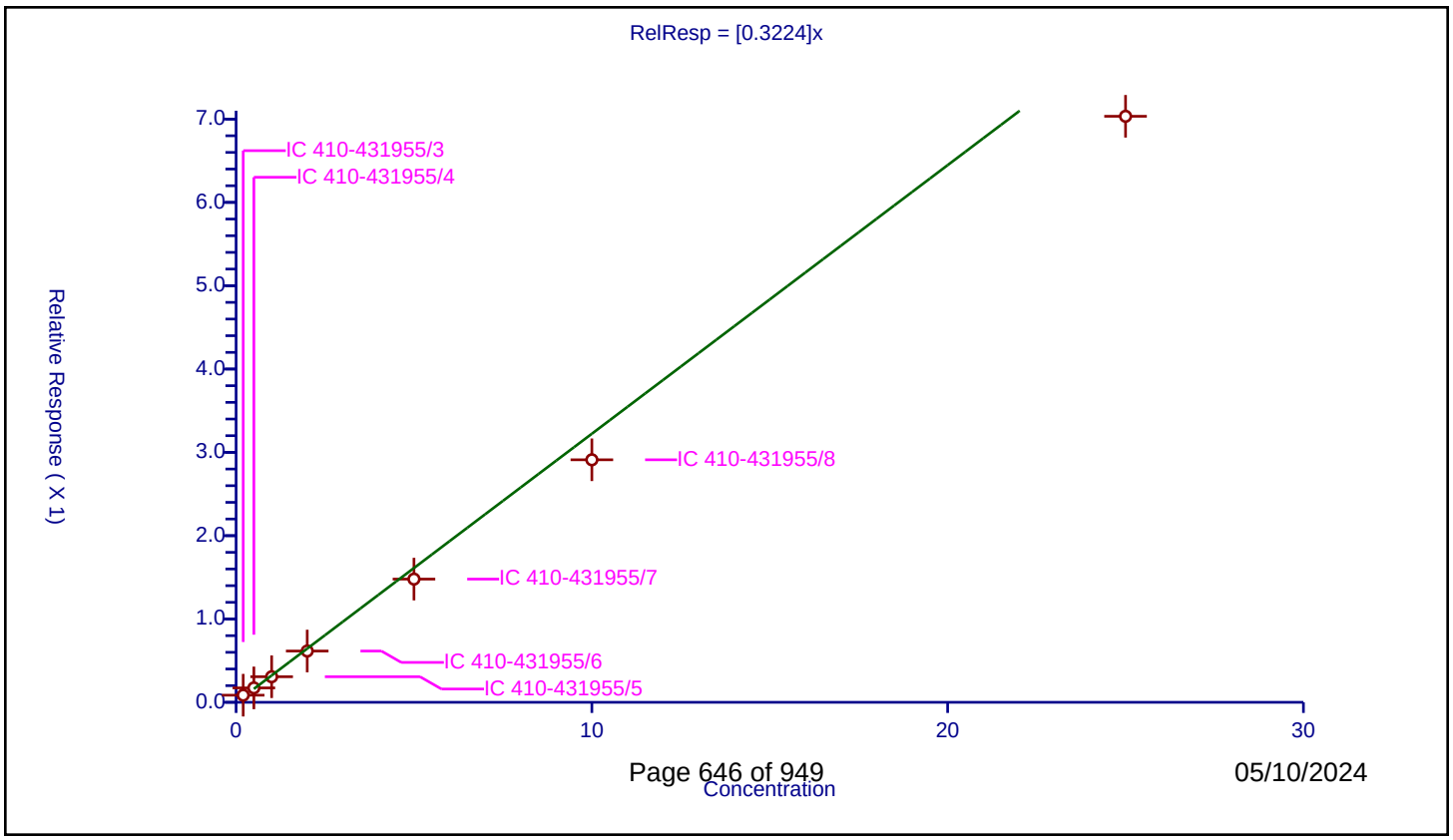
Curve Coefficients

Intercept:	0
Slope:	0.3224

Error Coefficients

Standard Error:	552000
Relative Standard Error:	15.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.957

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/3	0.2	0.085546	10.0	1743969.0	0.427731	Y
2	IC 410-431955/4	0.5	0.172965	10.0	1705254.0	0.345931	Y
3	IC 410-431955/5	1.0	0.306841	10.0	1727798.0	0.306841	Y
4	IC 410-431955/6	2.0	0.615549	10.0	1718207.0	0.307774	Y
5	IC 410-431955/7	5.0	1.47884	10.0	1720288.0	0.295768	Y
6	IC 410-431955/8	10.0	2.910777	10.0	1723746.0	0.291078	Y
7	IC 410-431955/9	25.0	7.033614	10.0	1739369.0	0.281345	Y



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

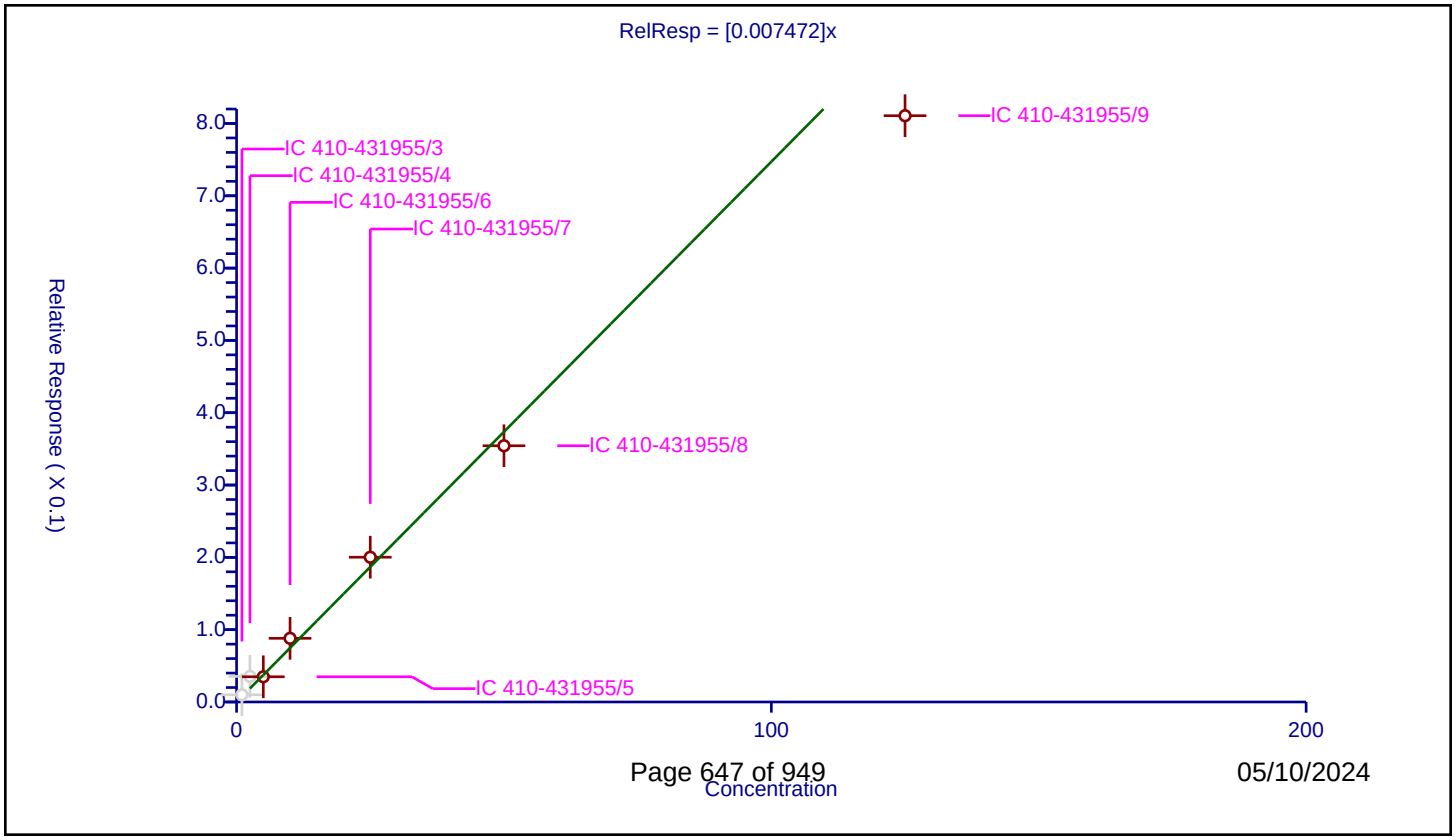
Curve Coefficients

Intercept:	0
Slope:	0.007472

Error Coefficients

Standard Error:	79200
Relative Standard Error:	12.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/3	1.0	0.009949	10.0	1743969.0	0.009949	N
2	IC 410-431955/4	2.5	0.035396	10.0	1705254.0	0.014159	N
3	IC 410-431955/5	5.0	0.034871	10.0	1727798.0	0.006974	Y
4	IC 410-431955/6	10.0	0.088034	10.0	1718207.0	0.008803	Y
5	IC 410-431955/7	25.0	0.200199	10.0	1720288.0	0.008008	Y
6	IC 410-431955/8	50.0	0.354333	10.0	1723746.0	0.007087	Y
7	IC 410-431955/9	125.0	0.810731	10.0	1739369.0	0.006486	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

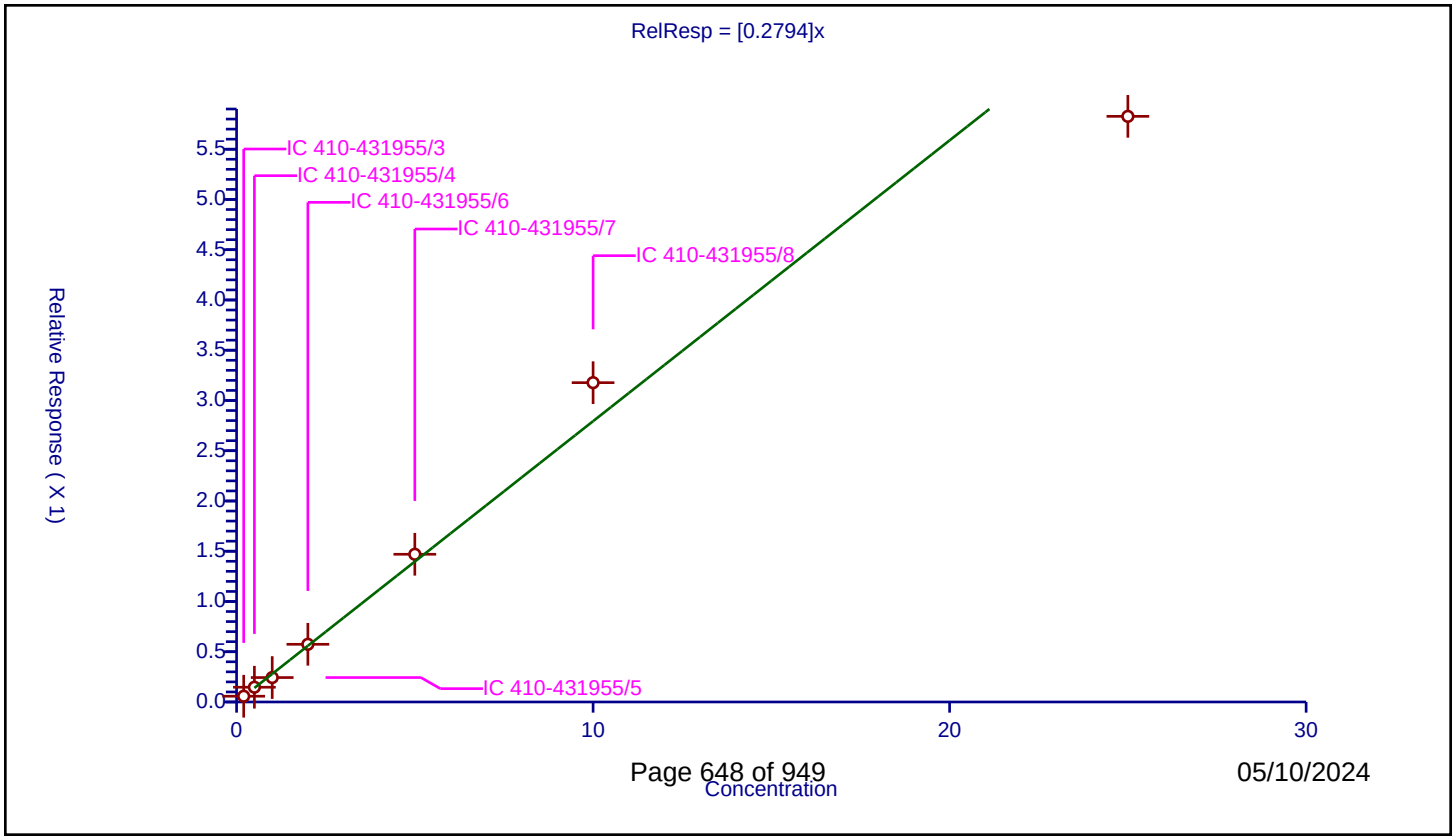
Curve Coefficients

Intercept:	0
Slope:	0.2794

Error Coefficients

Standard Error:	484000
Relative Standard Error:	10.8
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/3	0.2	0.057432	10.0	1743969.0	0.287161	Y
2	IC 410-431955/4	0.5	0.146793	10.0	1705254.0	0.293587	Y
3	IC 410-431955/5	1.0	0.2432	10.0	1727798.0	0.2432	Y
4	IC 410-431955/6	2.0	0.574133	10.0	1718207.0	0.287067	Y
5	IC 410-431955/7	5.0	1.469667	10.0	1720288.0	0.293933	Y
6	IC 410-431955/8	10.0	3.177208	10.0	1723746.0	0.317721	Y
7	IC 410-431955/9	25.0	5.826981	10.0	1739369.0	0.233079	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

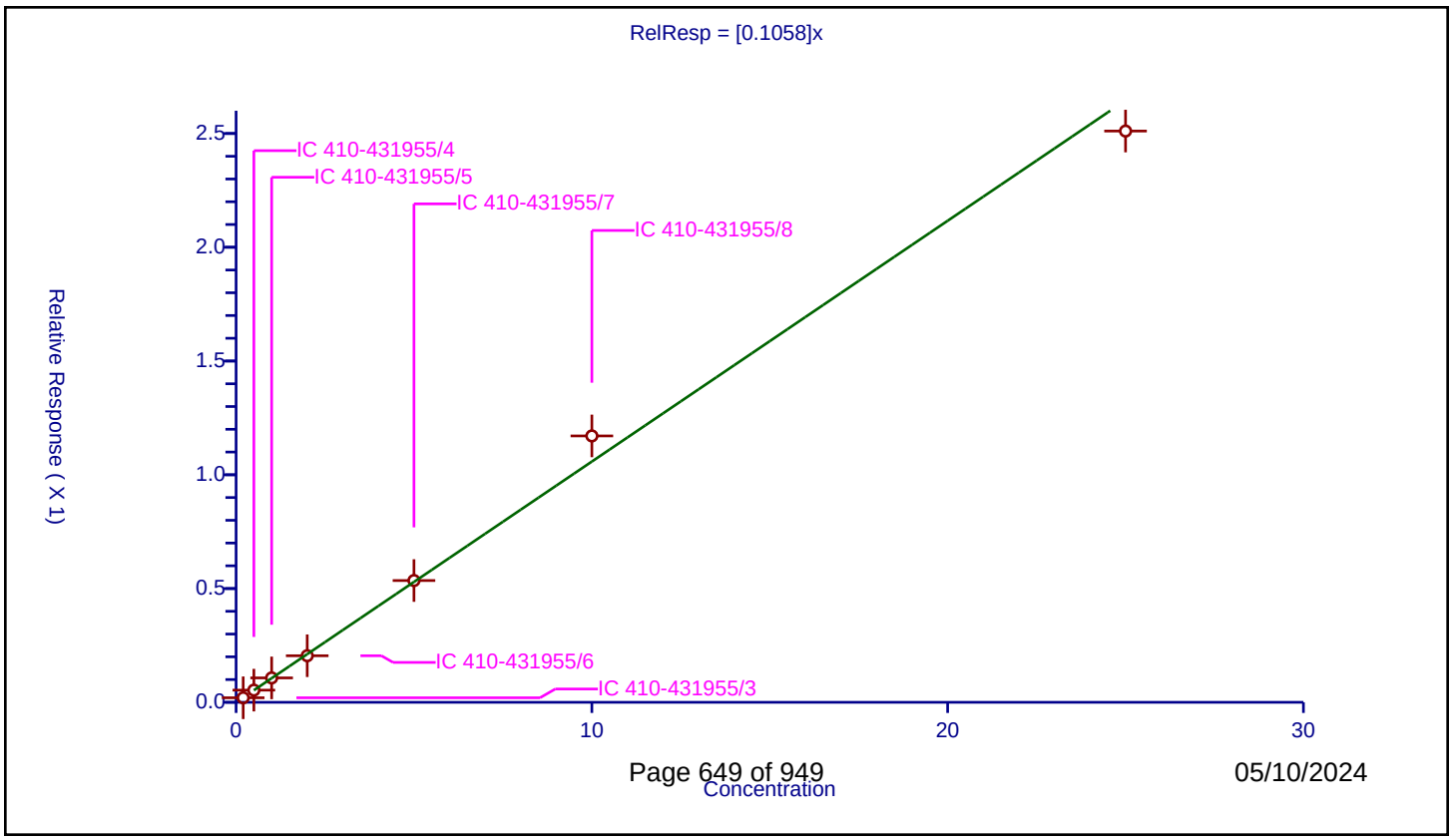
Curve Coefficients

Intercept:	0
Slope:	0.1058

Error Coefficients

Standard Error:	201000
Relative Standard Error:	5.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/3	0.2	0.019914	10.0	1743969.0	0.099572	Y
2	IC 410-431955/4	0.5	0.053482	10.0	1705254.0	0.106964	Y
3	IC 410-431955/5	1.0	0.107316	10.0	1727798.0	0.107316	Y
4	IC 410-431955/6	2.0	0.20469	10.0	1718207.0	0.102345	Y
5	IC 410-431955/7	5.0	0.535178	10.0	1720288.0	0.107036	Y
6	IC 410-431955/8	10.0	1.170816	10.0	1723746.0	0.117082	Y
7	IC 410-431955/9	25.0	2.510744	10.0	1739369.0	0.10043	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

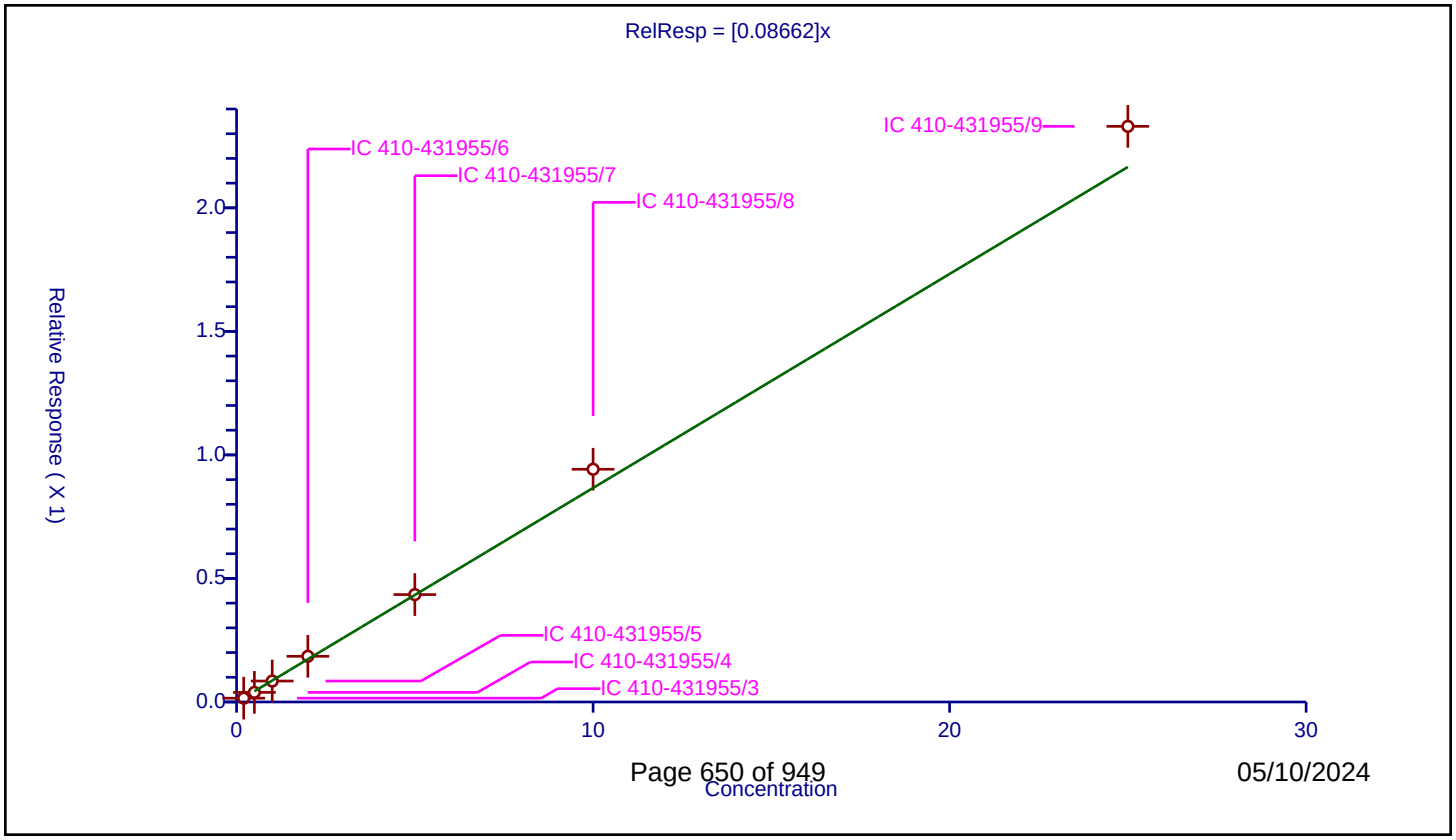
Curve Coefficients

Intercept:	0
Slope:	0.08662

Error Coefficients

Standard Error:	181000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/3	0.2	0.015402	10.0	1743969.0	0.077008	Y
2	IC 410-431955/4	0.5	0.038897	10.0	1705254.0	0.077795	Y
3	IC 410-431955/5	1.0	0.084773	10.0	1727798.0	0.084773	Y
4	IC 410-431955/6	2.0	0.18489	10.0	1718207.0	0.092445	Y
5	IC 410-431955/7	5.0	0.434648	10.0	1720288.0	0.08693	Y
6	IC 410-431955/8	10.0	0.941972	10.0	1723746.0	0.094197	Y
7	IC 410-431955/9	25.0	2.329862	10.0	1739369.0	0.093194	Y



Calibration / cis-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

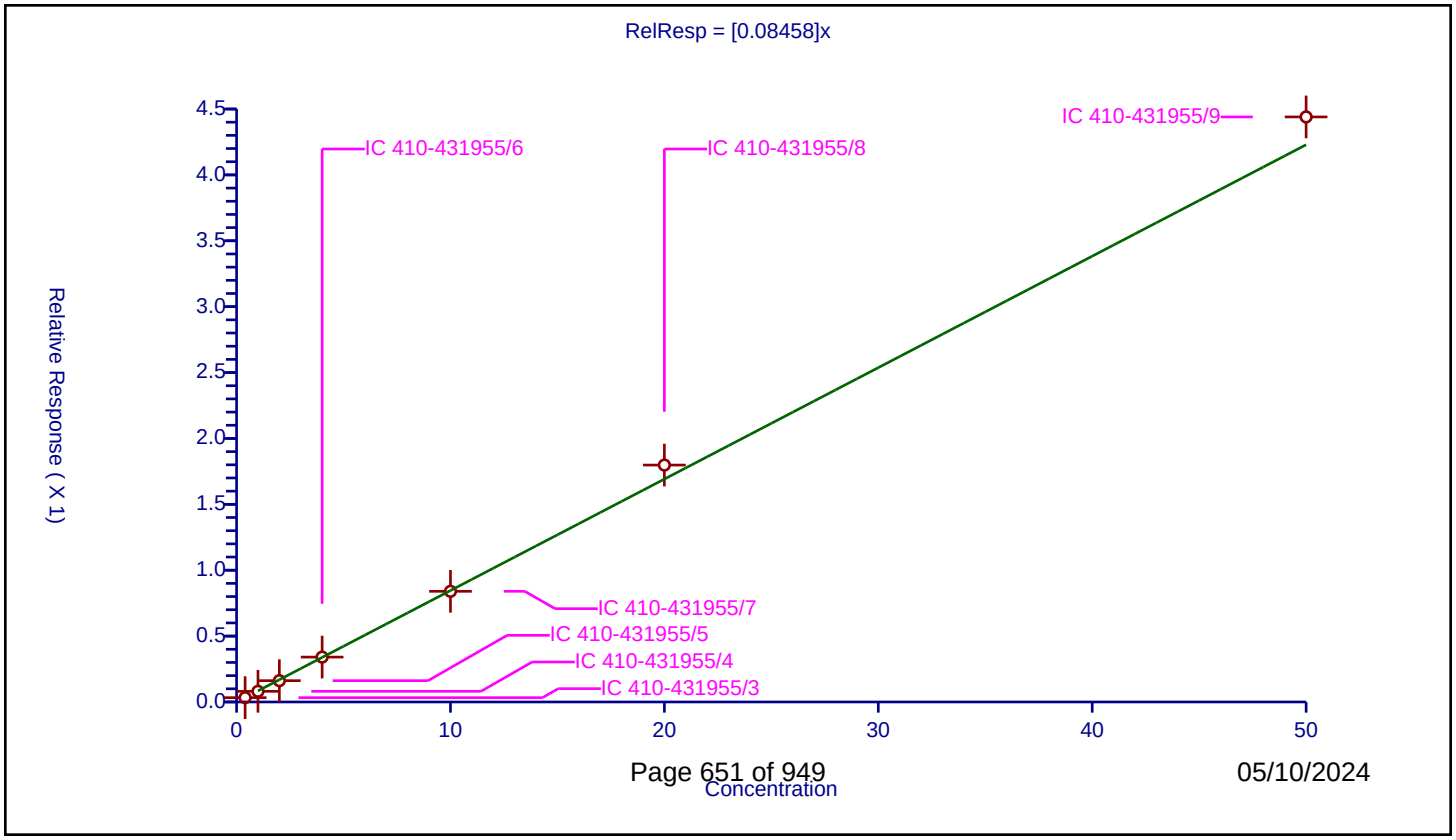
Curve Coefficients

Intercept:	0
Slope:	0.08458

Error Coefficients

Standard Error:	263000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/3	0.39999	0.03286	10.0	1303727.0	0.082151	Y
2	IC 410-431955/4	0.999976	0.081121	10.0	1293253.0	0.081123	Y
3	IC 410-431955/5	1.999951	0.161804	10.0	1298673.0	0.080904	Y
4	IC 410-431955/6	3.999903	0.340741	10.0	1304716.0	0.085187	Y
5	IC 410-431955/7	9.999757	0.839843	10.0	1305006.0	0.083986	Y
6	IC 410-431955/8	19.999514	1.797944	10.0	1305002.0	0.089899	Y
7	IC 410-431955/9	49.998785	4.439863	10.0	1325140.0	0.088799	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

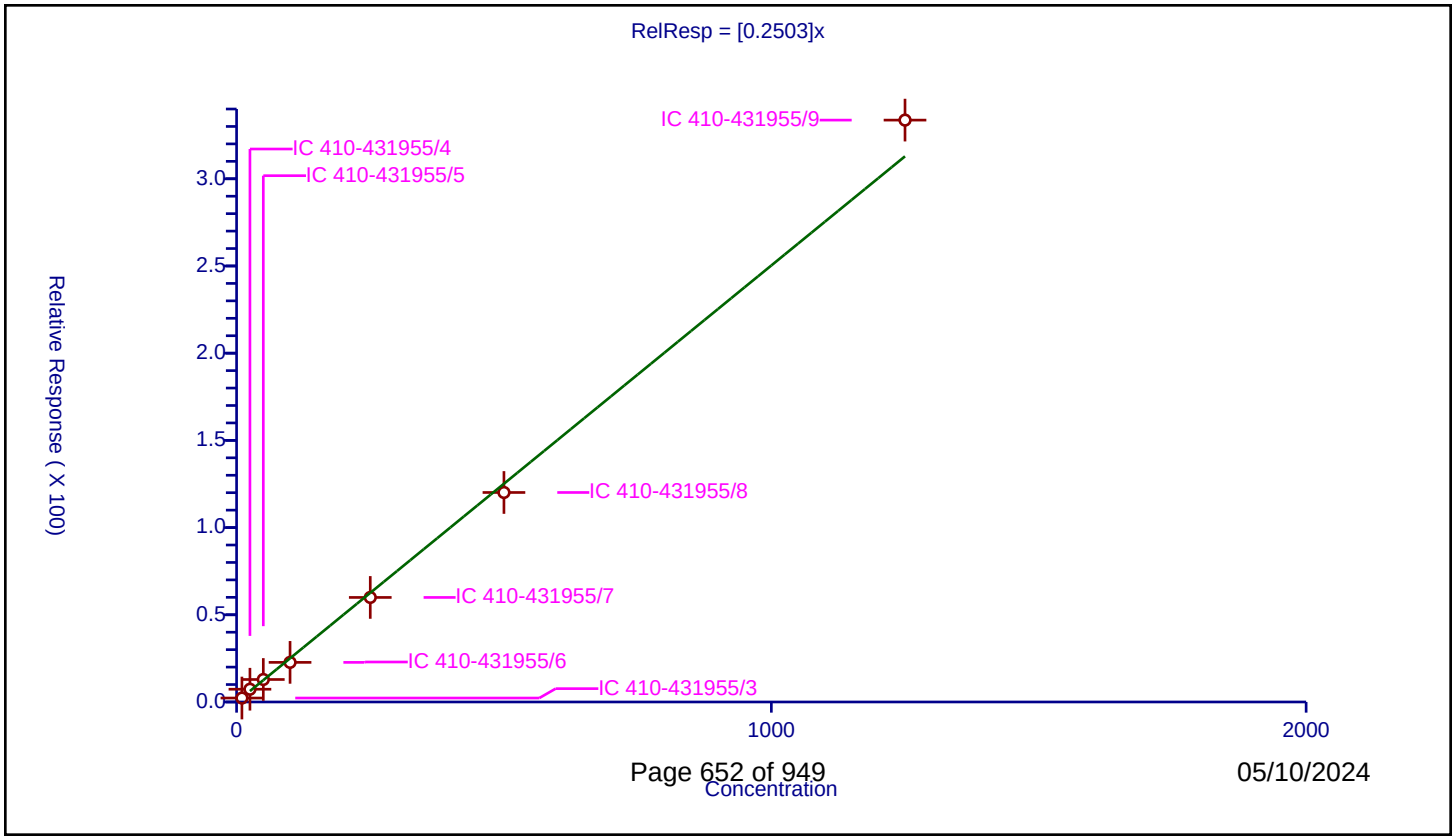
Curve Coefficients

Intercept:	0
Slope:	0.2503

Error Coefficients

Standard Error:	146000
Relative Standard Error:	9.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/3	9.999799	2.276753	50.0	88635.0	0.22768	Y
2	IC 410-431955/4	24.999498	7.312692	50.0	85167.0	0.292514	Y
3	IC 410-431955/5	49.998995	12.894071	50.0	50562.0	0.257887	Y
4	IC 410-431955/6	99.99799	22.713134	50.0	54332.0	0.227136	Y
5	IC 410-431955/7	249.994976	59.938637	50.0	57201.0	0.239759	Y
6	IC 410-431955/8	499.989952	120.12037	50.0	48600.0	0.240246	Y
7	IC 410-431955/9	1249.97488	333.633885	50.0	49520.0	0.266912	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-431955/13	HO16X12.D
Level 2	IC 410-431955/14	HO16X13.D
Level 3	IC 410-431955/15	HO16X14.D
Level 4	IC 410-431955/16	HO16X15.D
Level 5	IC 410-431955/17	HO16X16.D
Level 6	ICIS 410-431955/18	HO16X17.D
Level 7	IC 410-431955/19	HO16X18.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	0.3554 0.2832	0.3169 0.2751	0.2743	0.2587	0.3052	Ave		0.2955			0.1000	11.1		20.0			
Chloromethane	0.3897 0.3151	0.3373 0.3067	0.2853	0.3049	0.3323	Ave		0.3245			0.1000	10.4		20.0			
Vinyl chloride	0.3587 0.3091	0.3376 0.2961	0.2730	0.2845	0.3198	Ave		0.3113			0.1000	9.7		20.0			
1,3-Butadiene	0.4281 0.3130	0.3971 0.2947	0.2956	0.3042	0.3306	Ave		0.3376				15.8		20.0			
Bromomethane	0.2375 0.2241	0.2457 0.2142	0.1924	0.2057	0.2316	Ave		0.2216			0.1000	8.4		20.0			
Chloroethane	0.2059 0.1816	0.1932 0.1737	0.1556	0.1632	0.1846	Ave		0.1797			0.1000	9.6		20.0			
Dichlorofluoromethane	0.5471 0.4941	0.5520 0.4784	0.4319	0.4624	0.5121	Ave		0.4969			0.1000	8.8		20.0			
Trichlorofluoromethane	0.4122 0.3762	0.4062 0.3609	0.3236	0.3362	0.3920	Ave		0.3725			0.1000	9.1		20.0			
Ethyl ether	0.2294 0.1566	0.1819 0.1485	0.1657	0.1586	0.1625	Ave		0.1719				15.9		20.0			
Freon 123a	+++++ 0.2690	0.2973 0.2601	0.2511	0.2482	0.2782	Ave		0.2673				6.9		20.0			
Acrolein	2.5636 2.4520	2.4333 2.3139	2.3090	2.4347	2.6397	Ave		2.4495				4.9		20.0			
1,1-Dichloroethene	0.2771 0.1962	0.2098 0.1934	0.1856	0.1959	0.2053	Ave		0.2090			0.1000	14.8		20.0			
Acetone	+++++ 2.8671	3.3576 2.7681	3.1660	2.9221	3.0751	Ave		3.0260			0.1000	7.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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	0.1804 0.2013	0.1898 0.1983	0.1840	0.1834	0.2086	Ave		0.1923			0.1000	5.5		20.0			
Methyl iodide	0.4263 0.4236	0.4057 0.4145	0.3839	0.4005	0.4360	Ave		0.4129				4.3		20.0			
Ethyl bromide	0.1992 0.1866	0.1900 0.1796	0.1834	0.1759	0.1950	Ave		0.1871				4.4		20.0			
Carbon disulfide	0.6217 0.5943	0.5809 0.5771	0.5342	0.5540	0.6115	Ave		0.5820			0.1000	5.3		20.0			
Methyl acetate	10.043 8.6445	9.6234 8.1299	8.8966	7.5719	8.8366	Ave		8.8208			0.1000	9.5		20.0			
Allyl chloride	0.3905 0.3502	0.3547 0.3391	0.3164	0.3369	0.3602	Ave		0.3497				6.6		20.0			
Methylene Chloride	0.2429 0.2174	0.2310 0.2123	0.2080	0.2150	0.2263	Ave		0.2218			0.1000	5.5		20.0			
t-Butyl alcohol	1.1871 0.8062	0.9593 0.7674	0.9021	0.8188	0.8304	Ave		0.8959				16.0		20.0			
Acrylonitrile	3.4198 4.0038	4.1307 3.8673	3.9927	3.9801	4.2558	Ave		3.9500				6.7		20.0			
Methyl tert-butyl ether	0.5515 0.5231	0.5245 0.5149	0.5158	0.5143	0.5449	Ave		0.5270			0.1000	2.9		20.0			
trans-1,2-Dichloroethene	0.3011 0.2321	0.2410 0.2227	0.2084	0.2221	0.2356	Ave		0.2375			0.1000	12.6		20.0			
n-Hexane	0.2767 0.2616	0.2562 0.2565	0.2501	0.2337	0.2694	Ave		0.2577				5.4		20.0			
1,1-Dichloroethane	0.4439 0.4309	0.4261 0.4161	0.3925	0.4039	0.4467	Ave		0.4229			0.2000	4.7		20.0			
di-Isopropyl ether	0.7193 0.7067	0.6826 0.6870	0.6616	0.6797	0.7396	Ave		0.6967				3.8		20.0			
2-Chloro-1,3-butadiene	0.4095 0.3872	0.3867 0.3719	0.3552	0.3654	0.4006	Ave		0.3824				5.1		20.0			
Ethyl t-butyl ether	0.7674 0.6758	0.6909 0.6523	0.6496	0.6578	0.7052	Ave		0.6856				6.1		20.0			
2-Butanone (MEK)	4.8771 5.1099	4.5635 4.8905	4.5855	5.3318	5.2751	Ave		4.9476			0.1000	6.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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	0.3343 0.2588	0.2778 0.2529	0.2331	0.2401	0.2685	Ave		0.2665			0.1000	12.6		20.0			
2,2-Dichloropropane	0.4375 0.3909	0.3917 0.3771	0.3669	0.3688	0.4117	Ave		0.3921				6.5		20.0			
Propionitrile	1.5250 1.3511	1.4736 1.3257	1.3711	1.1926	1.4066	Ave		1.3780				7.8		20.0			
Methacrylonitrile	6.2522 5.3372	5.2836 5.0855	5.3450	5.3581	5.8416	Ave		5.5005				7.3		20.0			
Bromochloromethane	0.1058 0.1102	0.1050 0.1077	0.1007	0.1034	0.1123	Ave		0.1065				3.7		20.0			
Tetrahydrofuran	1.9596 1.4254	1.8226 1.3834	1.4377	1.5060	1.5759	Ave		1.5872				13.9		20.0			
Chloroform	0.4706 0.4343	0.4352 0.4253	0.4156	0.4140	0.4537	Ave		0.4355			0.2000	4.7		20.0			
1,1,1-Trichloroethane	0.4764 0.3986	0.4239 0.3843	0.3844	0.3802	0.4114	Ave		0.4085			0.1000	8.3		20.0			
Cyclohexane	0.4555 0.3502	0.3938 0.3481	0.3444	0.3391	0.3643	Ave		0.3708			0.1000	11.2		20.0			
Carbon tetrachloride	0.3408 0.3518	0.3436 0.3421	0.3235	0.3274	0.3644	Ave		0.3419			0.1000	4.1		20.0			
1,1-Dichloropropene	0.3507 0.3370	0.3244 0.3253	0.3080	0.3108	0.3456	Ave		0.3288				5.0		20.0			
Isobutyl alcohol	0.3490 0.2896	0.2426 0.2841	0.2375	0.2797	0.3015	Ave		0.2834				13.2		20.0			
Benzene	1.0348 0.9714	0.9415 0.9475	0.8789	0.9036	1.0010	Ave		0.9541			0.5000	5.6		20.0			
1,2-Dichloroethane	0.3072 0.2766	0.2825 0.2681	0.2637	0.2614	0.2858	Ave		0.2779			0.1000	5.7		20.0			
t-Amyl methyl ether	0.5951 0.5859	0.5702 0.5795	0.5643	0.5626	0.6117	Ave		0.5813				3.1		20.0			
n-Heptane	0.2881 0.2555	0.2620 0.2524	0.2332	0.2332	0.2563	Ave		0.2544				7.3		20.0			
n-Butanol	0.2412 0.2197	0.2728 0.2033	0.2100	0.2044	0.2283	Ave		0.2257				11.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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	0.3195 0.2665	0.2641 0.2615	0.2475	0.2514	0.2736	Ave		0.2692			0.2000	8.9		20.0			
Methylcyclohexane	0.4224 0.3658	0.3599 0.3626	0.3306	0.3348	0.3766	Ave		0.3647			0.1000	8.3		20.0			
1,2-Dichloropropane	0.2366 0.2425	0.2323 0.2385	0.2155	0.2293	0.2479	Ave		0.2347			0.1000	4.5		20.0			
Methyl methacrylate	12.602 11.093	12.024 10.419	10.355	10.946	11.636	Ave		11.297				7.4		20.0			
1,4-Dioxane	+++++ 0.0388	0.0063 0.0355	0.0197	0.0344	0.0365	Lin2	-0.836	0.0392			0.0050				0.9940		0.9900
Dibromomethane	0.1047 0.1185	0.1080 0.1173	0.1113	0.1135	0.1224	Ave		0.1137				5.5		20.0			
Bromodichloromethane	0.3562 0.3156	0.2990 0.3097	0.2969	0.2919	0.3210	Ave		0.3129			0.2000	7.0		20.0			
2-Nitropropane	3.8145 3.9026	3.4150 3.6723	3.7926	4.0358	4.1798	Ave		3.8304				6.5		20.0			
1-Bromo-2-chloroethane	0.2285 0.2348	0.2254 0.2299	0.2243	0.2304	0.2401	Ave		0.2305				2.4		20.0			
cis-1,3-Dichloropropene	0.3794 0.3772	0.3419 0.3742	0.3339	0.3529	0.3893	Ave		0.3641			0.2000	5.8		20.0			
4-Methyl-2-pentanone (MIBK)	14.635 13.715	14.288 12.929	13.271	13.993	14.730	Ave		13.937			0.1000	4.9		20.0			
Toluene	0.8851 0.8406	0.8161 0.8183	0.7612	0.7903	0.8697	Ave		0.8259			0.4000	5.2		20.0			
trans-1,3-Dichloropropene	0.3974 0.4100	0.3826 0.4092	0.3746	0.3845	0.4202	Ave		0.3969			0.1000	4.3		20.0			
Ethyl methacrylate	0.2696 0.3100	0.2836 0.3086	0.2811	0.2883	0.3207	Ave		0.2946				6.3		20.0			
1,1,2-Trichloroethane	0.2281 0.2076	0.1957 0.2064	0.2044	0.1940	0.2193	Ave		0.2079			0.1000	5.9		20.0			
Tetrachloroethene	0.4138 0.4020	0.3926 0.3909	0.3687	0.3749	0.4192	Ave		0.3946			0.2000	4.8		20.0			
1,3-Dichloropropane	0.3548 0.3647	0.3466 0.3592	0.3428	0.3470	0.3785	Ave		0.3562				3.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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	9.0310 9.3432	9.1661 8.7786	9.0268	9.5067	10.102	Ave		9.2792			0.1000	4.7		20.0			
Dibromochloromethane	0.2732 0.2882	0.2664 0.2875	0.2605	0.2689	0.2965	Ave		0.2773				4.8		20.0			
1,2-Dibromoethane (EDB)	0.1856 0.2073	0.2021 0.2062	0.1909	0.1963	0.2149	Ave		0.2005			0.1000	5.1		20.0			
1-Chlorohexane	0.5515 0.4581	0.5002 0.4470	0.4356	0.4316	0.4771	Ave		0.4716				9.0		20.0			
Chlorobenzene	0.9197 0.9208	0.9053 0.9045	0.8334	0.8604	0.9566	Ave		0.9001			0.5000	4.6		20.0			
1,1,1,2-Tetrachloroethane	0.3338 0.3384	0.3175 0.3349	0.3052	0.3152	0.3514	Ave		0.3281				4.9		20.0			
Ethylbenzene	1.6796 1.6504	1.5977 1.6105	1.4754	1.5315	1.7149	Ave		1.6086			0.1000	5.2		20.0			
m&p-Xylene	0.6291 0.6468	0.6048 0.6330	0.5702	0.5937	0.6723	Ave		0.6214			0.1000	5.5		20.0			
o-Xylene	0.6095 0.6318	0.5965 0.6202	0.5701	0.5852	0.6520	Ave		0.6094			0.3000	4.6		20.0			
Styrene	1.0123 1.0299	0.9425 1.0157	0.8908	0.9429	1.0635	Ave		0.9854			0.3000	6.2		20.0			
Bromoform	0.1785 0.1795	0.1724 0.1797	0.1615	0.1688	0.1827	Ave		0.1748			0.1000	4.3		20.0			
Isopropylbenzene	1.5586 1.5536	1.4625 1.5093	1.3636	1.4153	1.6052	Ave		1.4954			0.1000	5.8		20.0			
1,1,2,2-Tetrachloroethane	0.5057 0.4498	0.4882 0.4477	0.4238	0.4258	0.4622	Ave		0.4576			0.3000	6.7		20.0			
Bromobenzene	0.7041 0.6932	0.6839 0.6853	0.6311	0.6503	0.7256	Ave		0.6819				4.7		20.0			
trans-1,4-Dichloro-2-butene	5.7400 5.8041	5.5171 5.4954	5.2915	5.8267	6.1681	Ave		5.6918				5.0		20.0			
1,2,3-Trichloropropane	0.1371 0.1211	0.1176 0.1203	0.1159	0.1178	0.1263	Ave		0.1223				6.0		20.0			
N-Propylbenzene	3.2403 3.3825	3.1547 3.2547	3.0186	3.0643	3.5178	Ave		3.2333				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.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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	0.6949 0.6985	0.6666 0.6834	0.6285	0.6396	0.7271	Ave		0.6769				5.1		20.0			
1,3,5-Trimethylbenzene	2.4121 2.4119	2.3098 2.3637	2.1899	2.2098	2.5002	Ave		2.3425				4.8		20.0			
4-Chlorotoluene	0.6984 0.7210	0.6783 0.7023	0.6347	0.6566	0.7488	Ave		0.6915				5.6		20.0			
tert-Butylbenzene	0.5871 0.5387	0.5305 0.5230	0.5172	0.4910	0.5553	Ave		0.5347				5.7		20.0			
Pentachloroethane	0.4097 0.4613	0.4133 0.4516	0.4169	0.4237	0.4752	Ave		0.4360				6.0		20.0			
1,2,4-Trimethylbenzene	2.4780 2.4498	2.3240 2.4078	2.1477	2.2247	2.5474	Ave		2.3685				6.1		20.0			
sec-Butylbenzene	3.0415 2.9668	2.7697 2.9037	2.6009	2.6458	3.0454	Ave		2.8534				6.4		20.0			
1,3-Dichlorobenzene	1.3307 1.3575	1.2594 1.3426	1.2071	1.2430	1.4099	Ave		1.3072			0.6000	5.5		20.0			
p-Isopropyltoluene	2.6111 2.6359	2.4442 2.5804	2.2849	2.3324	2.7021	Ave		2.5130				6.4		20.0			
1,4-Dichlorobenzene	1.3832 1.3502	1.3046 1.3263	1.2276	1.2398	1.3997	Ave		1.3188			0.5000	5.0		20.0			
1,2,3-Trimethylbenzene	1.1462 1.0736	1.0418 1.0603	0.9743	0.9833	1.1166	Ave		1.0566				6.0		20.0			
Benzyl chloride	0.1869 0.2004	0.1757 0.2005	0.1789	0.1897	0.2053	Ave		0.1911				6.0		20.0			
n-Butylbenzene	1.1500 1.2134	1.1043 1.2012	1.0237	1.0513	1.2383	Ave		1.1403				7.3		20.0			
1,2-Dichlorobenzene	1.1930 1.2125	1.1528 1.1929	1.1023	1.0985	1.2646	Ave		1.1738			0.4000	5.1		20.0			
1,2-Dibromo-3-Chloropropane	0.0458 0.0678	0.0551 0.0707	0.0567	0.0594	0.0679	Ave		0.0605			0.0500	14.7		20.0			
1,3,5-Trichlorobenzene	0.8545 0.9520	0.8402 0.9413	0.7984	0.8140	0.9682	Ave		0.8812				8.0		20.0			
1,2,4-Trichlorobenzene	0.6036 0.7743	0.6052 0.7786	0.6196	0.6283	0.7633	Ave		0.6818			0.2000	12.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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	0.2767 0.2753	0.2593 0.2742	0.2435	0.2339	0.2864	Ave		0.2642				7.3		20.0			
Naphthalene	0.9312 1.2231	0.9691 1.2653	0.9803	1.0174	1.1888	Ave		1.0822				12.8		20.0			
1,2,3-Trichlorobenzene	0.3934 0.5727	0.4393 0.5881	0.4302	0.4316	0.5398	Ave		0.4850				16.3		20.0			
Dibromofluoromethane (Surr)	0.2539 0.2528	0.2523 0.2523	0.2545	0.2553	0.2524	Ave		0.2534				0.5		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0474 0.0482	0.0472 0.0482	0.0479	0.0479	0.0475	Ave		0.0478				0.8		20.0			
Toluene-d8 (Surr)	1.3157 1.3219	1.3282 1.3218	1.3166	1.3165	1.3311	Ave		1.3217				0.5		20.0			
4-Bromofluorobenzene (Surr)	0.4914 0.4931	0.4953 0.4993	0.4926	0.4981	0.4946	Ave		0.4949				0.6		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.: 410-169938-1 | Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 | Calibration End Date: 10/17/2023 09:43 | Calibration ID: 54851

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-431955/13	HO16X12.D
Level 2	IC 410-431955/14	HO16X13.D
Level 3	IC 410-431955/15	HO16X14.D
Level 4	IC 410-431955/16	HO16X15.D
Level 5	IC 410-431955/17	HO16X16.D
Level 6	ICIS 410-431955/18	HO16X17.D
Level 7	IC 410-431955/19	HO16X18.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	12281 507209	27445 1289612	47180	90377	269784	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	13466 564233	29218 1437851	49073	106532	293765	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	12396 553589	29242 1388317	46957	99395	282735	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	14795 560540	34392 1381584	50830	106290	292220	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	8208 401381	21283 1004257	33098	71849	204743	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	7114 325286	16732 814435	26760	57006	163220	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	18906 884888	47810 2242569	74286	161545	452713	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	14244 673647	35185 1691810	55649	117460	346496	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	7928 280429	15760 696272	28495	55414	143660	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Freon 123a	FB	Ave	+++++ 481778	25749 1219424	43180	86730	245902	+++++ 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd10	Ave	38712 2058814	91320 5421811	183300	375617	1041124	10.0 500	25.0 1250	50.0	100	250
1,1-Dichloroethene	FB	Ave	9577 351395	18171 906570	31918	68446	181453	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd10	Ave	+++++ 481459	25201 1297197	50266	90162	242560	+++++ 100	5.00 250	10.0	20.0	50.0
Freon 113	FB	Ave	6235 360550	16437 929807	31640	64086	184393	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.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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	14733 758656	35135 1943225	66017	139912	385400	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl bromide	FB	Ave	6877 333791	16438 841362	31517	61398	172221	0.200 9.99	0.500 25.0	0.999	2.00	5.00
Carbon disulfide	FB	Ave	21484 1064212	50315 2705357	91871	193567	540550	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd10	Ave	3033 145164	7223 380982	14125	23363	69702	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	13495 627191	30721 1589573	54415	117690	318387	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	8395 389393	20005 995462	35765	75109	200041	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd10	Ave	7170 270754	14400 719241	28646	50526	130999	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd10	Ave	2582 168087	7751 453076	15848	30701	83924	0.500 25.0	1.25 62.5	2.50	5.00	12.5
Methyl tert-butyl ether	FB	Ave	19060 936741	45429 2413997	88705	179688	481655	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,2-Dichloroethene	FB	Ave	10404 415667	20871 1043791	35833	77588	208242	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	9561 468454	22187 1202233	43007	81655	238153	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	15342 771595	36905 1950616	67496	141100	394881	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	24859 1265608	59122 3220831	113788	237450	653775	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	14153 693459	33494 1743566	61081	127676	354098	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	26519 1210160	59843 3058176	111723	229798	623332	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone (MEK)	TBAd10	Ave	14729 858081	34252 2291803	72803	164512	416096	2.00 100	5.00 250	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	11553 463373	24065 1185422	40092	83892	237306	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	15119 700054	33930 1767722	63094	128858	363968	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.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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	9211 453768	22121 1242528	43536	73597	221902	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd10	Ave	18882 896260	39657 2383156	84861	165324	460779	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	3656 197344	9090 505069	17318	36142	99299	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd10	Ave	2959 119685	6840 324154	11413	23233	62153	1.00 50.0	2.50 125	5.00	10.0	25.0
Chloroform	FB	Ave	16265 777655	37690 1993721	71473	144654	401062	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	16465 713756	36711 1801496	66112	132836	363673	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	15741 627140	34107 1631813	59226	118477	322054	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	11777 630044	29764 1603652	55633	114375	322102	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	12121 603402	28100 1524924	52973	108568	305524	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	TBAd10	Ave	5270 243164	9104 665662	18857	43149	118894	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	35763 1739533	81541 4441888	151159	315674	884849	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	10615 495374	24468 1256931	45348	91322	252595	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	20566 1049210	49389 2716526	97049	196556	540680	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	9956 457520	22688 1183220	40112	81488	226574	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butanol	TBAd10	Ave	6375 322813	17916 833677	29168	55184	157550	17.5 875	43.8 2188	87.5	175	438
Trichloroethene	FB	Ave	11042 477276	22875 1225963	42574	87827	241889	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	14596 655108	31168 1699819	56858	116968	332915	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	8178 434187	20116 1118071	37054	80119	219159	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.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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	3806 186286	9025 488267	16441	33773	91782	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dioxane	TBAd10	Lin2	+++++ 32606	235 83291	1563	5314	14378	+++++ 500	25.0 1250	50.0	100	250
Dibromomethane	FB	Ave	3617 212223	9357 549830	19149	39667	108172	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromodichloromethane	FB	Ave	12309 565218	25898 1452028	51068	101988	283768	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBAd10	Ave	5760 327671	12816 860468	30107	62262	164849	1.00 50.0	2.50 125	5.00	10.0	25.0
1-Bromo-2-chloroethane	FB	Ave	7898 420542	19521 1077642	38584	80483	212267	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,3-Dichloropropene	FB	Ave	13113 675489	29612 1754015	57433	123296	344128	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone (MIBK)	TBAd10	Ave	44199 2303046	107243 6058586	210696	431750	1161884	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd5	Ave	23070 1142311	53186 2918122	99695	209943	579879	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	10357 557232	24935 1459303	49058	102145	280170	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	7028 421239	18481 1100528	36821	76587	213843	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	5946 282069	12757 735870	26773	51528	146211	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrachloroethene	CBZd5	Ave	10786 546346	25588 1393850	48288	99577	279523	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichloropropane	CBZd5	Ave	9247 495565	22586 1280937	44898	92167	252396	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Hexanone	TBAd10	Ave	27274 1568973	68798 4113843	143316	293326	796852	2.00 100	5.00 250	10.0	20.0	50.0
Dibromochloromethane	CBZd5	Ave	7121 391692	17364 1025341	34113	71443	197684	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromoethane (EDB)	CBZd5	Ave	4837 281663	13173 735357	24996	52137	143307	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1-Chlorohexane	CBZd5	Ave	14374 622571	32597 1593955	57045	114661	318107	0.200 10.0	0.500 25.0	1.00	2.00	5.00

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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	23971 1251390	59000 3225340	109152	228565	637795	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	8699 459904	20693 1194283	39973	83742	234270	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd5	Ave	43776 2242763	104124 5743058	193231	406835	1143402	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd5	Ave	32792 1757894	78826 4514240	149357	315441	896495	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd5	Ave	15887 858645	38877 2211532	74669	155466	434748	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Styrene	CBZd5	Ave	26383 1399608	61427 3621922	116663	250467	709117	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromoform	CBZd5	Ave	4653 243995	11238 640885	21153	44849	121808	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isopropylbenzene	CBZd5	Ave	40623 2111260	95314 5382098	178597	375955	1070240	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd4	Ave	7288 348020	17830 909156	30867	64343	174174	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromobenzene	DCBd4	Ave	10147 536338	24978 1391566	45967	98259	273415	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	TBAd10	Ave	17335 974662	41410 2575267	84012	179781	486532	2.00 100	5.00 250	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	1976 93674	4295 244226	8444	17806	47572	0.200 10.0	0.500 25.0	1.00	2.00	5.00
N-Propylbenzene	DCBd4	Ave	46699 2617024	115224 6609275	219857	463022	1325546	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chlorotoluene	DCBd4	Ave	10015 540390	24346 1387686	45777	96650	273969	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd4	Ave	34763 1866045	84362 4799921	159499	333908	942099	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Chlorotoluene	DCBd4	Ave	10065 557795	24775 1426214	46229	99221	282160	0.200 10.0	0.500 25.0	1.00	2.00	5.00
tert-Butylbenzene	DCBd4	Ave	8461 416802	19375 1062110	37670	74192	209234	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Pentachloroethane	DCBd4	Ave	5905 356890	15094 917050	30365	64027	179069	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd4	Ave	35712 1895362	84884 4889578	156430	336157	959866	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd4	Ave	43833	101163	189434	399783	1147529	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.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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
			2295397	5896551				10.0	25.0			
1,3-Dichlorobenzene	DCBd4	Ave	19178 1050300	46000 2726352	87918	187826	531270	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd4	Ave	37631 2039325	89272 5239951	166418	352439	1018163	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd4	Ave	19935 1044640	47649 2693379	89409	187339	527414	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd4	Ave	16519 830627	38052 2153109	70965	148580	420731	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd4	Ave	2693 155081	6418 407152	13031	28669	77368	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd4	Ave	16573 938789	40332 2439188	74564	158862	466594	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd4	Ave	17193 938103	42105 2422463	80283	165991	476507	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	660 52436	2012 143556	4130	8968	25588	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd4	Ave	12315 736563	30689 1911490	58149	122993	364821	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trichlorobenzene	DCBd4	Ave	8699 599055	22105 1581016	45128	94941	287606	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Hexachlorobutadiene	DCBd4	Ave	3988 213022	9472 556855	17738	35341	107924	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Naphthalene	DCBd4	Ave	13420 946293	35396 2569391	71397	153733	447944	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trichlorobenzene	DCBd4	Ave	5670 443087	16044 1194182	31335	65209	203417	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromofluoromethane (Surr)	FB	Ave	438774 452725	437059 473178	437636	445914	446285	10.0 10.0	10.0 10.0	10.0	10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	81967 86260	81768 90407	82376	83713	84004	10.0 10.0	10.0 10.0	10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	1714579 1796445	1731261 1885324	1724391	1748617	1774999	10.0 10.0	10.0 10.0	10.0	10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	640333 670074	645602 712164	645223	661555	659508	10.0 10.0	10.0 10.0	10.0	10.0	10.0

Curve Type Legend:
Ave = Average ISTD
Lin2 = Linear 1/conc^2 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.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-431955/13	HO16X12.D
Level 2	IC 410-431955/14	HO16X13.D
Level 3	IC 410-431955/15	HO16X14.D
Level 4	IC 410-431955/16	HO16X15.D
Level 5	IC 410-431955/17	HO16X16.D
Level 6	ICIS 410-431955/18	HO16X17.D
Level 7	IC 410-431955/19	HO16X18.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	20.2 -6.9	7.2	-7.2	-12.5	3.3	-4.2	50 30	30	30	30	30	30
Chloromethane	20.1 -5.5	4.0	-12.1	-6.0	2.4	-2.9	50 30	30	30	30	30	30
Vinyl chloride	15.2 -4.9	8.5	-12.3	-8.6	2.8	-0.7	50 30	30	30	30	30	30
1,3-Butadiene	26.8 -12.7	17.6	-12.5	-9.9	-2.1	-7.3	50 30	30	30	30	30	30
Bromomethane	7.2 -3.3	10.9	-13.2	-7.2	4.5	1.1	50 30	30	30	30	30	30
Chloroethane	14.6 -3.3	7.5	-13.4	-9.2	2.8	1.1	50 30	30	30	30	30	30
Dichlorofluoromethane	10.1 -3.7	11.1	-13.1	-6.9	3.1	-0.5	50 30	30	30	30	30	30
Trichlorofluoromethane	10.7 -3.1	9.1	-13.1	-9.7	5.2	1.0	50 30	30	30	30	30	30
Ethyl ether	33.5 -13.6	5.9	-3.6	-7.7	-5.5	-8.9	50 30	30	30	30	30	30
Freon 123a	+++++ -2.7	11.2	-6.1	-7.1	4.1	0.6	30	50	30	30	30	30
Acrolein	4.7 -5.5	-0.7	-5.7	-0.6	7.8	0.1	50 30	30	30	30	30	30
1,1-Dichloroethene	32.6 -7.5	0.4	-11.2	-6.3	-1.8	-6.1	50 30	30	30	30	30	30
Acetone	+++++ -8.5	11.0	4.6	-3.4	1.6	-5.3	30	50	30	30	30	30
Freon 113	-6.2 3.2	-1.3	-4.3	-4.6	8.5	4.7	50 30	30	30	30	30	30
Methyl iodide	3.2 0.4	-1.8	-7.0	-3.0	5.6	2.6	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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	6.5 -4.0	1.5	-2.0	-6.0	4.2	-0.3	50 30	30	30	30	30	30
Carbon disulfide	6.8 -0.8	-0.2	-8.2	-4.8	5.1	2.1	50 30	30	30	30	30	30
Methyl acetate	13.9 -7.8	9.1	0.9	-14.2	0.2	-2.0	50 30	30	30	30	30	30
Allyl chloride	11.7 -3.0	1.4	-9.5	-3.7	3.0	0.2	50 30	30	30	30	30	30
Methylene Chloride	9.5 -4.3	4.1	-6.3	-3.1	2.0	-2.0	50 30	30	30	30	30	30
t-Butyl alcohol	32.5 -14.3	7.1	0.7	-8.6	-7.3	-10.0	50 30	30	30	30	30	30
Acrylonitrile	-13.4 -2.1	4.6	1.1	0.8	7.7	1.4	50 30	30	30	30	30	30
Methyl tert-butyl ether	4.7 -2.3	-0.5	-2.1	-2.4	3.4	-0.7	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	26.7 -6.3	1.4	-12.3	-6.5	-0.8	-2.3	50 30	30	30	30	30	30
n-Hexane	7.3 -0.5	-0.6	-3.0	-9.3	4.5	1.5	50 30	30	30	30	30	30
1,1-Dichloroethane	5.0 -1.6	0.8	-7.2	-4.5	5.6	1.9	50 30	30	30	30	30	30
di-Isopropyl ether	3.3 -1.4	-2.0	-5.0	-2.4	6.2	1.4	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	7.1 -2.7	1.1	-7.1	-4.4	4.8	1.3	50 30	30	30	30	30	30
Ethyl t-butyl ether	11.9 -4.8	0.8	-5.2	-4.1	2.9	-1.4	50 30	30	30	30	30	30
2-Butanone (MEK)	-1.4 -1.2	-7.8	-7.3	7.8	6.6	3.3	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	25.4 -5.1	4.3	-12.5	-9.9	0.7	-2.9	50 30	30	30	30	30	30
2,2-Dichloropropane	11.6 -3.8	-0.1	-6.4	-5.9	5.0	-0.3	50 30	30	30	30	30	30
Propionitrile	10.7 -3.8	6.9	-0.5	-13.4	2.1	-1.9	50 30	30	30	30	30	30
Methacrylonitrile	13.7 -7.5	-3.9	-2.8	-2.6	6.2	-3.0	50 30	30	30	30	30	30
Bromochloromethane	-0.6 1.2	-1.4	-5.4	-2.8	5.5	3.5	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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	23.5 -12.8	14.8	-9.4	-5.1	-0.7	-10.2	50 30	30	30	30	30	30
Chloroform	8.1 -2.4	-0.1	-4.6	-4.9	4.2	-0.3	50 30	30	30	30	30	30
1,1,1-Trichloroethane	16.6 -5.9	3.8	-5.9	-6.9	0.7	-2.4	50 30	30	30	30	30	30
Cyclohexane	22.8 -6.1	6.2	-7.1	-8.5	-1.7	-5.5	50 30	30	30	30	30	30
Carbon tetrachloride	-0.3 0.0	0.5	-5.4	-4.3	6.6	2.9	50 30	30	30	30	30	30
1,1-Dichloropropene	6.7 -1.1	-1.3	-6.3	-5.5	5.1	2.5	50 30	30	30	30	30	30
Isobutyl alcohol	23.1 0.2	-14.4	-16.2	-1.3	6.4	2.2	50 30	30	30	30	30	30
Benzene	8.5 -0.7	-1.3	-7.9	-5.3	4.9	1.8	50 30	30	30	30	30	30
1,2-Dichloroethane	10.5 -3.5	1.7	-5.1	-5.9	2.8	-0.5	50 30	30	30	30	30	30
t-Amyl methyl ether	2.4 -0.3	-1.9	-2.9	-3.2	5.2	0.8	50 30	30	30	30	30	30
n-Heptane	13.2 -0.8	3.0	-8.3	-8.3	0.8	0.4	50 30	30	30	30	30	30
n-Butanol	6.9 -9.9	20.9	-7.0	-9.4	1.2	-2.6	50 30	30	30	30	30	30
Trichloroethene	18.7 -2.8	-1.9	-8.0	-6.6	1.7	-1.0	50 30	30	30	30	30	30
Methylcyclohexane	15.8 -0.6	-1.3	-9.3	-8.2	3.3	0.3	50 30	30	30	30	30	30
1,2-Dichloropropane	0.8 1.6	-1.0	-8.2	-2.3	5.7	3.3	50 30	30	30	30	30	30
Methyl methacrylate	11.6 -7.8	6.4	-8.3	-3.1	3.0	-1.8	50 30	30	30	30	30	30
1,4-Dioxane	+++++ -7.7	1.2	-7.2	9.1	1.4	3.2	30	50	30	30	30	30
Dibromomethane	-7.9 3.2	-5.0	-2.1	-0.1	7.6	4.3	50 30	30	30	30	30	30
Bromodichloromethane	13.8 -1.0	-4.4	-5.1	-6.7	2.6	0.9	50 30	30	30	30	30	30
2-Nitropropane	-0.4 -4.1	-10.8	-1.0	5.4	9.1	1.9	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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	-0.9 -0.3	-2.2	-2.7	-0.1	4.2	1.9	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	4.2 2.8	-6.1	-8.3	-3.1	6.9	3.6	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	5.0 -7.2	2.5	-4.8	0.4	5.7	-1.6	50 30	30	30	30	30	30
Toluene	7.2 -0.9	-1.2	-7.8	-4.3	5.3	1.8	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	0.1 3.1	-3.6	-5.6	-3.1	5.9	3.3	50 30	30	30	30	30	30
Ethyl methacrylate	-8.5 4.8	-3.7	-4.6	-2.1	8.9	5.2	50 30	30	30	30	30	30
1,1,2-Trichloroethane	9.7 -0.8	-5.9	-1.7	-6.7	5.5	-0.2	50 30	30	30	30	30	30
Tetrachloroethene	4.9 -0.9	-0.5	-6.6	-5.0	6.2	1.9	50 30	30	30	30	30	30
1,3-Dichloropropane	-0.4 0.8	-2.7	-3.8	-2.6	6.3	2.4	50 30	30	30	30	30	30
2-Hexanone	-2.7 -5.4	-1.2	-2.7	2.5	8.9	0.7	50 30	30	30	30	30	30
Dibromochloromethane	-1.5 3.7	-3.9	-6.1	-3.0	6.9	3.9	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-7.4 2.9	0.8	-4.8	-2.1	7.2	3.4	50 30	30	30	30	30	30
1-Chlorohexane	16.9 -5.2	6.1	-7.6	-8.5	1.2	-2.9	50 30	30	30	30	30	30
Chlorobenzene	2.2 0.5	0.6	-7.4	-4.4	6.3	2.3	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	1.7 2.1	-3.2	-7.0	-3.9	7.1	3.2	50 30	30	30	30	30	30
Ethylbenzene	4.4 0.1	-0.7	-8.3	-4.8	6.6	2.6	50 30	30	30	30	30	30
m&p-Xylene	1.2 1.9	-2.7	-8.2	-4.5	8.2	4.1	50 30	30	30	30	30	30
o-Xylene	0.0 1.8	-2.1	-6.4	-4.0	7.0	3.7	50 30	30	30	30	30	30
Styrene	2.7 3.1	-4.3	-9.6	-4.3	7.9	4.5	50 30	30	30	30	30	30
Bromoform	2.2 2.8	-1.3	-7.6	-3.4	4.5	2.7	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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	4.2 0.9	-2.2	-8.8	-5.4	7.3	3.9	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	10.5 -2.2	6.7	-7.4	-6.9	1.0	-1.7	50 30	30	30	30	30	30
Bromobenzene	3.2 0.5	0.3	-7.5	-4.6	6.4	1.7	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	0.8 -3.5	-3.1	-7.0	2.4	8.4	2.0	50 30	30	30	30	30	30
1,2,3-Trichloropropane	12.1 -1.7	-3.8	-5.2	-3.6	3.2	-1.0	50 30	30	30	30	30	30
N-Propylbenzene	0.2 0.7	-2.4	-6.6	-5.2	8.8	4.6	50 30	30	30	30	30	30
2-Chlorotoluene	2.7 0.9	-1.5	-7.2	-5.5	7.4	3.2	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	3.0 0.9	-1.4	-6.5	-5.7	6.7	3.0	50 30	30	30	30	30	30
4-Chlorotoluene	1.0 1.6	-1.9	-8.2	-5.0	8.3	4.3	50 30	30	30	30	30	30
tert-Butylbenzene	9.8 -2.2	-0.8	-3.3	-8.2	3.9	0.8	50 30	30	30	30	30	30
Pentachloroethane	-6.0 3.6	-5.2	-4.4	-2.8	9.0	5.8	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	4.6 1.7	-1.9	-9.3	-6.1	7.6	3.4	50 30	30	30	30	30	30
sec-Butylbenzene	6.6 1.8	-2.9	-8.8	-7.3	6.7	4.0	50 30	30	30	30	30	30
1,3-Dichlorobenzene	1.8 2.7	-3.7	-7.7	-4.9	7.9	3.9	50 30	30	30	30	30	30
p-Isopropyltoluene	3.9 2.7	-2.7	-9.1	-7.2	7.5	4.9	50 30	30	30	30	30	30
1,4-Dichlorobenzene	4.9 0.6	-1.1	-6.9	-6.0	6.1	2.4	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	8.5 0.3	-1.4	-7.8	-6.9	5.7	1.6	50 30	30	30	30	30	30
Benzyl chloride	-2.2 4.9	-8.0	-6.4	-0.7	7.5	4.9	50 30	30	30	30	30	30
n-Butylbenzene	0.8 5.3	-3.2	-10.2	-7.8	8.6	6.4	50 30	30	30	30	30	30
1,2-Dichlorobenzene	1.6 1.6	-1.8	-6.1	-6.4	7.7	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.: 410-169938-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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	-24.3 16.9	-8.9	-6.2	-1.9	12.3	12.1	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-3.0 6.8	-4.7	-9.4	-7.6	9.9	8.0	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-11.5 14.2	-11.2	-9.1	-7.8	11.9	13.6	50 30	30	30	30	30	30
Hexachlorobutadiene	4.7 3.8	-1.8	-7.8	-11.5	8.4	4.2	50 30	30	30	30	30	30
Naphthalene	-14.0 16.9	-10.4	-9.4	-6.0	9.9	13.0	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-18.9 21.2	-9.4	-11.3	-11.0	11.3	18.1	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	0.2 -0.4	-0.4	0.4	0.8	-0.4	-0.2	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-0.7 0.9	-1.2	0.3	0.3	-0.5	0.8	50 30	30	30	30	30	30
Toluene-d8 (Surr)	-0.5 0.0	0.5	-0.4	-0.4	0.7	0.0	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.7 0.9	0.1	-0.5	0.6	-0.1	-0.4	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D
Lims ID: IC std1 0.2
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Oct-2023 07:43:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-013
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:51 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 13:19:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.867	1.873	-0.006	98	12281	0.2000	0.2405	M
5 Chloromethane	50	2.062	2.056	0.006	97	13466	0.2000	0.2402	
6 Vinyl chloride	62	2.166	2.172	-0.006	86	12396	0.2000	0.2305	
7 Butadiene	39	2.178	2.178	0.000	92	14795	0.2000	0.2536	
9 Bromomethane	94	2.483	2.483	0.000	90	8208	0.2000	0.2143	
10 Chloroethane	64	2.562	2.562	0.000	98	7114	0.2000	0.2291	
11 Dichlorofluoromethane	67	2.788	2.788	0.000	97	18906	0.2000	0.2202	
12 Trichlorofluoromethane	101	2.849	2.855	-0.006	94	14244	0.2000	0.2213	
14 Ethyl ether	59	3.087	3.080	0.007	59	7928	0.2000	0.2669	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.154	3.160	-0.006	66	14802	0.2000	0.3204	
16 Acrolein	56	3.251	3.239	0.012	99	38712	10.0	10.5	
17 1,1-Dichloroethene	96	3.379	3.373	0.006	96	9577	0.2000	0.2651	
19 Acetone	43	3.404	3.391	0.013	55	17626	2.00	3.86	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.428	3.416	0.012	63	6235	0.2000	0.1877	
21 Iodomethane	142	3.562	3.556	0.006	99	14733	0.2000	0.2065	
22 Ethyl bromide	108	3.593	3.580	0.013	92	6877	0.1998	0.2127	
23 Carbon disulfide	76	3.672	3.666	0.006	99	21484	0.2000	0.2136	
24 Methyl acetate	43	3.818	3.800	0.018	26	3033	0.2000	0.2277	M
26 3-Chloro-1-propene	41	3.830	3.818	0.012	86	13495	0.2000	0.2233	
27 Methylene Chloride	84	3.995	3.995	0.000	59	8395	0.2000	0.2190	
* 28 t-Butyl alcohol-d10 (IS)	65	4.001	4.007	-0.006	52	75501	50.0	50.0	
29 2-Methyl-2-propanol	59	4.123	4.111	0.012	91	7170	4.00	5.30	
31 Acrylonitrile	53	4.349	4.312	0.037	2	2582	0.5000	0.4329	
32 Methyl tert-butyl ether	73	4.391	4.391	0.000	68	19060	0.2000	0.2093	
33 trans-1,2-Dichloroethene	96	4.403	4.397	0.006	93	10404	0.2000	0.2535	M
34 Hexane	57	4.818	4.824	-0.006	87	9561	0.2000	0.2147	
36 1,1-Dichloroethane	63	5.062	5.056	0.006	94	15342	0.2000	0.2100	
37 Isopropyl ether	45	5.123	5.123	0.000	95	24859	0.2000	0.2065	
38 2-Chloro-1,3-butadiene	53	5.178	5.172	0.006	94	14153	0.2000	0.2142	
40 Tert-butyl ethyl ether	59	5.653	5.665	-0.012	96	26519	0.2000	0.2239	
41 2-Butanone (MEK)	43	5.891	5.873	0.018	89	14729	2.00	1.97	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.891	5.897	-0.006	82	11553	0.2000	0.2509	M
43 2,2-Dichloropropane	77	5.909	5.909	0.000	71	15119	0.2000	0.2232	
44 Propionitrile	54	5.976	5.952	0.024	92	9211	4.00	4.43	M
S 46 1,2-Dichloroethene, Total	100				0			0.5044	
47 Methacrylonitrile	67	6.190	6.171	0.019	91	18882	2.00	2.27	
48 Chlorobromomethane	128	6.238	6.232	0.006	61	3656	0.2000	0.1988	
49 Tetrahydrofuran	71	6.275	6.257	0.018	41	2959	1.00	1.23	
50 Chloroform	83	6.385	6.385	0.000	94	16265	0.2000	0.2161	
$ 52 Dibromofluoromethane (Surr)	113	6.610	6.604	0.006	94	438774	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.610	6.616	-0.006	67	16465	0.2000	0.2333	
54 Cyclohexane	56	6.720	6.720	0.000	90	15741	0.2000	0.2457	M
56 Carbon tetrachloride	117	6.830	6.830	0.000	92	11777	0.2000	0.1993	
55 1,1-Dichloropropene	75	6.836	6.836	0.000	90	12121	0.2000	0.2133	
57 Isobutyl alcohol	41	7.000	6.988	0.012	58	5270	10.0	12.3	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.068	7.061	0.007	77	81967	10.0	9.93	
59 Benzene	78	7.110	7.098	0.012	90	35763	0.2000	0.2169	
60 1,2-Dichloroethane	62	7.183	7.171	0.012	95	10615	0.2000	0.2211	
63 Tert-amyl methyl ether	73	7.305	7.299	0.006	97	20566	0.2000	0.2047	
* 64 Fluorobenzene (IS)	96	7.506	7.506	0.000	98	1727945	10.0	10.0	
65 n-Heptane	43	7.519	7.525	-0.006	39	9956	0.2000	0.2265	a
67 n-Butanol	56	7.921	7.891	0.031	58	6375	17.5	18.7	
68 Trichloroethene	95	8.000	8.000	0.000	94	11042	0.2000	0.2374	
69 Methylcyclohexane	83	8.311	8.305	0.006	89	14596	0.2000	0.2316	M
70 1,2-Dichloropropane	63	8.329	8.329	0.000	72	8178	0.2000	0.2017	
71 2-ethoxy-2-methyl butane	87	8.348	8.342	0.006	90	13546	0.2000	0.2091	
72 Methyl methacrylate	69	8.421	8.421	0.000	73	3806	0.2000	0.2231	
73 1,4-Dioxane	88		8.433				ND	ND	
74 Dibromomethane	93	8.439	8.439	0.000	94	3617	0.2000	0.1841	
76 Dichlorobromomethane	83	8.677	8.677	0.000	95	12309	0.2000	0.2276	
77 2-Nitropropane	41	8.951	8.939	0.012	96	5760	1.00	1.00	
79 1-Bromo-2-chloroethane	63	9.085	9.073	0.012	95	7898	0.2000	0.1983	M
80 cis-1,3-Dichloropropene	75	9.244	9.238	0.006	93	13113	0.2000	0.2084	
82 4-Methyl-2-pentanone (MIBK)	43	9.421	9.421	0.000	97	44199	2.00	2.10	
$ 83 Toluene-d8 (Surr)	98	9.555	9.561	-0.006	94	1714579	10.0	9.95	
84 Toluene	92	9.640	9.640	0.000	98	23070	0.2000	0.2143	
85 trans-1,3-Dichloropropene	75	9.908	9.902	0.006	95	10357	0.2000	0.2002	
104 Ethyl methacrylate	69	9.976	9.975	0.001	87	7028	0.2000	0.1831	
S 105 1,3-Dichloropropene, Total	100				0			0.4086	
106 1,1,2-Trichloroethane	97	10.116	10.116	0.000	89	5946	0.2000	0.2194	
107 Tetrachloroethene	166	10.207	10.201	0.006	97	10786	0.2000	0.2098	
108 1,3-Dichloropropane	76	10.280	10.280	0.000	91	9247	0.2000	0.1992	
109 2-Hexanone	43	10.341	10.335	0.006	98	27274	2.00	1.95	
111 Chlorodibromomethane	129	10.494	10.500	-0.006	91	7121	0.2000	0.1970	
112 Ethylene Dibromide	107	10.622	10.609	0.013	90	4837	0.2000	0.1852	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1303181	10.0	10.0	
114 1-Chlorohexane	91	11.055	11.061	-0.006	93	14374	0.2000	0.2339	
115 Chlorobenzene	112	11.073	11.073	0.000	94	23971	0.2000	0.2044	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	92	8699	0.2000	0.2035	
117 Ethylbenzene	91	11.164	11.164	0.000	99	43776	0.2000	0.2088	
S 118 Xylenes, Total	106				0			0.6050	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	32792	0.4000	0.4049	
120 o-Xylene	106	11.615	11.609	0.006	97	15887	0.2000	0.2001	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.634	11.628	0.006	95	26383	0.2000	0.2055	
122 Bromoform	173	11.786	11.786	0.000	94	4653	0.2000	0.2043	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	40623	0.2000	0.2084	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	91	640333	10.0	9.93	
127 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	91	7288	0.2000	0.2210	
128 Bromobenzene	156	12.176	12.176	0.000	94	10147	0.2000	0.2065	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	95	17335	2.00	2.02	
130 1,2,3-Trichloropropane	110	12.213	12.207	0.006	74	1976	0.2000	0.2242	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	46699	0.2000	0.2004	
132 2-Chlorotoluene	126	12.323	12.323	0.000	96	10015	0.2000	0.2053	
133 1,3,5-Trimethylbenzene	105	12.384	12.384	0.000	94	34763	0.2000	0.2059	
134 4-Chlorotoluene	126	12.420	12.414	0.006	97	10065	0.2000	0.2020	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	8461	0.2000	0.2196	
136 Pentachloroethane	167	12.658	12.658	0.000	81	5905	0.2000	0.1880	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	35712	0.2000	0.2092	
138 sec-Butylbenzene	105	12.792	12.792	0.000	95	43833	0.2000	0.2132	
139 1,3-Dichlorobenzene	146	12.890	12.890	0.000	98	19178	0.2000	0.2036	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	98	37631	0.2000	0.2078	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	96	720593	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	19935	0.2000	0.2098	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	97	16519	0.2000	0.2170	
144 Benzyl chloride	126	13.042	13.042	0.000	99	2693	0.2000	0.1956	
145 p-Diethylbenzene	119	13.176	13.170	0.006	96	20994	0.2000	0.1997	
146 n-Butylbenzene	92	13.194	13.194	0.000	98	16573	0.2000	0.2017	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	97	17193	0.2000	0.2033	
149 1,2-Dibromo-3-Chloropropane	155	13.761	13.767	-0.006	82	660	0.2000	0.1515	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	96	12315	0.2000	0.1939	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	8699	0.2000	0.1771	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	93	3988	0.2000	0.2095	
153 Naphthalene	128	14.499	14.493	0.006	97	13420	0.2000	0.1721	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	93	5670	0.2000	0.1622	
157 Pentane	43		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_00099	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00174	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00108	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00009	Amount Added:	5.00	Units: uL	Run Reagent

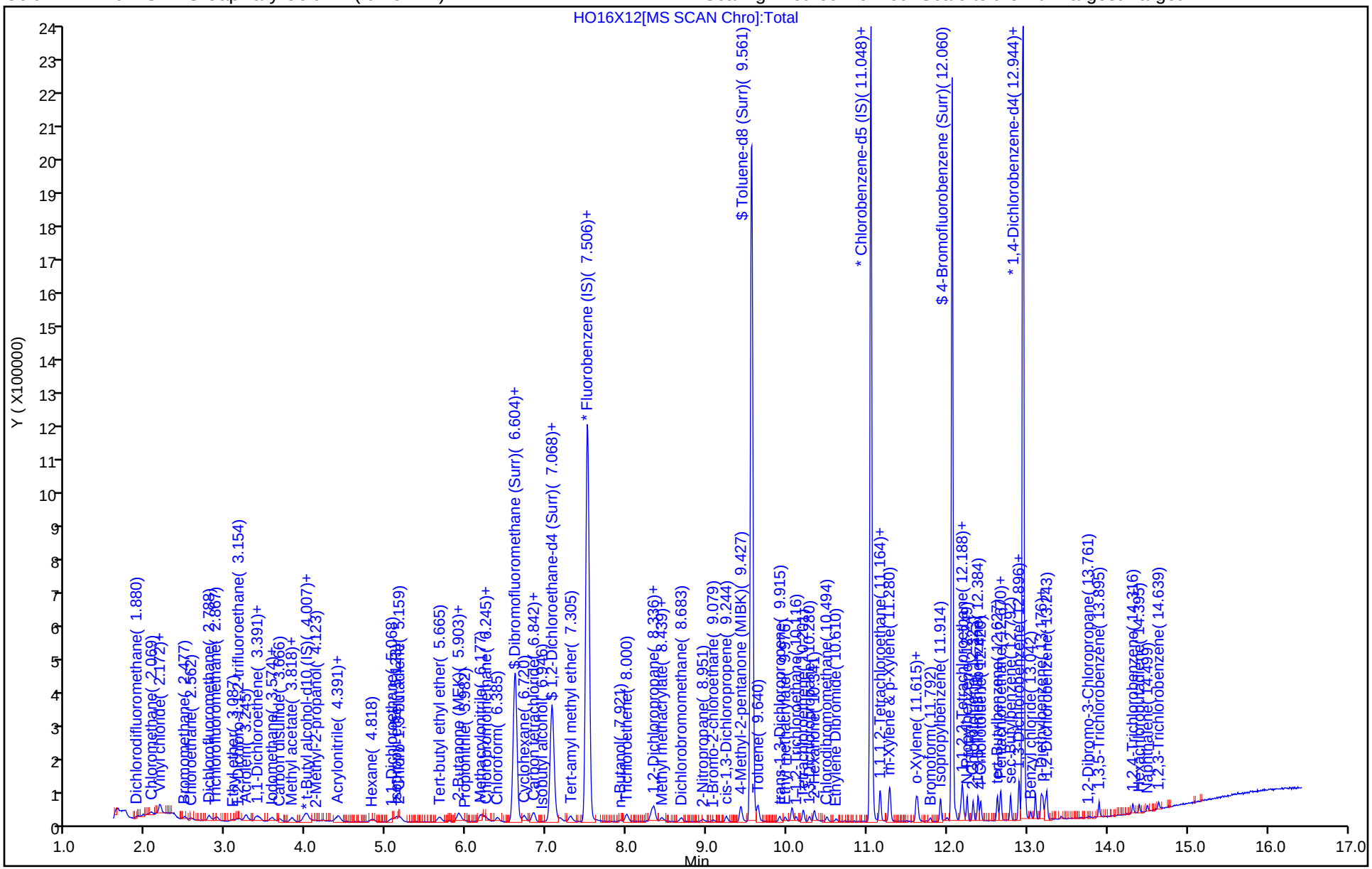
Report Date: 20-Oct-2023 13:24:52 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D

Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std1 0.2			Worklist Smp#:	13
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSV_19094_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: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

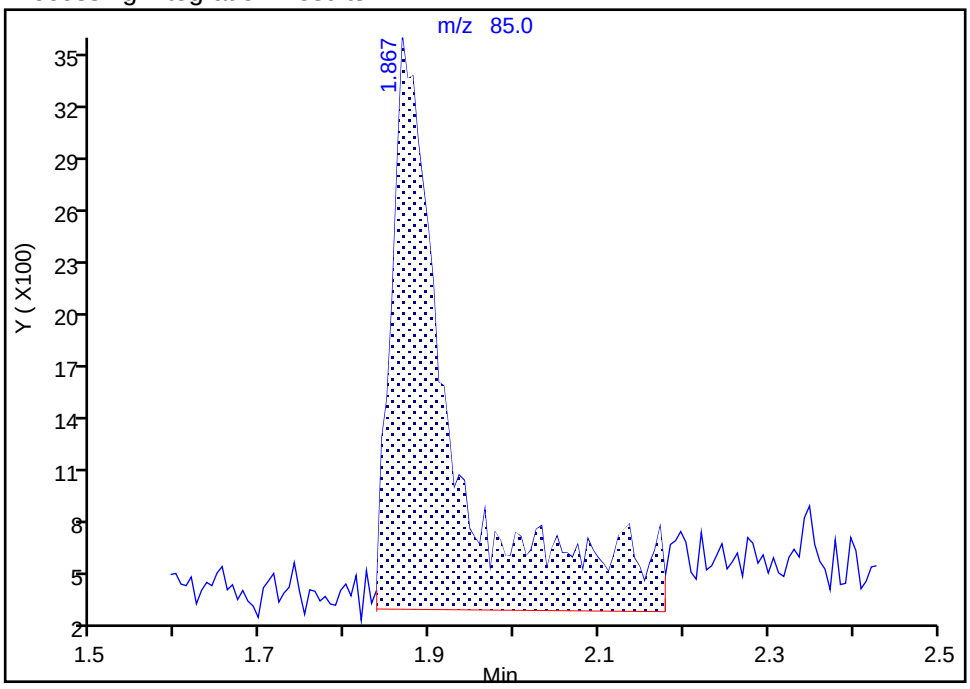
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D				
Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

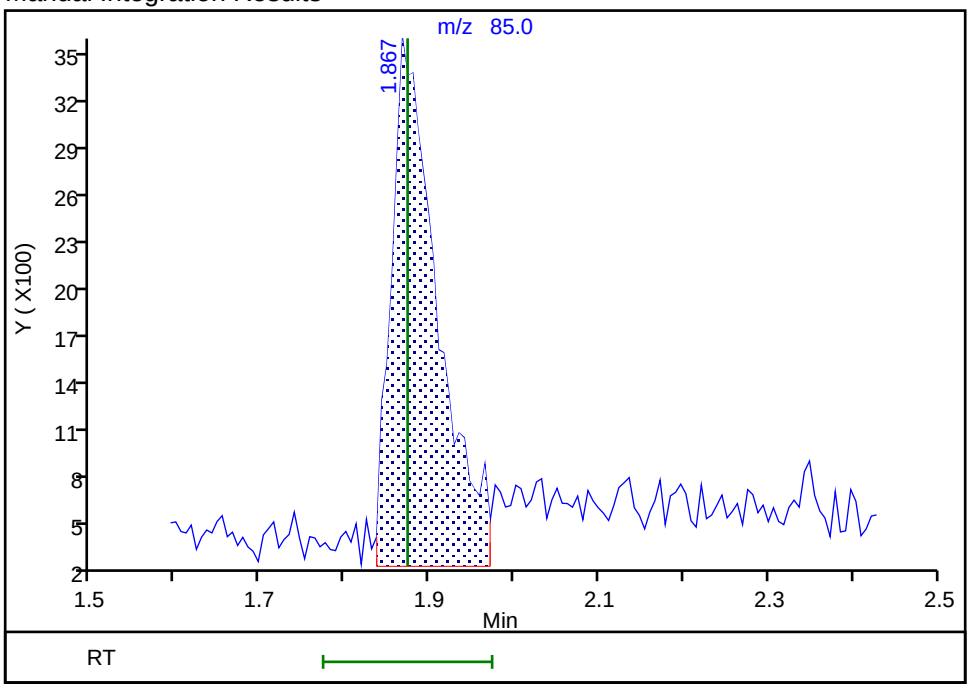
Processing Integration Results

RT: 1.87
Area: 15814
Amount: 0.141287
Amount Units: ug/l



Manual Integration Results

RT: 1.87
Area: 12281
Amount: 0.240485
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 13:19:22 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

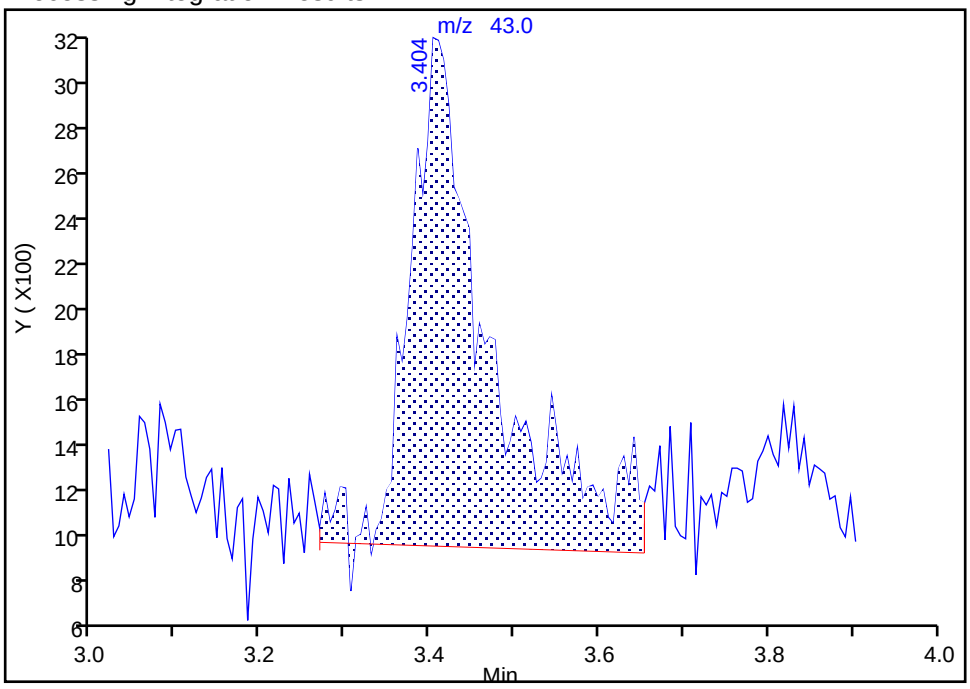
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D				
Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 Acetone, CAS: 67-64-1

Signal: 1

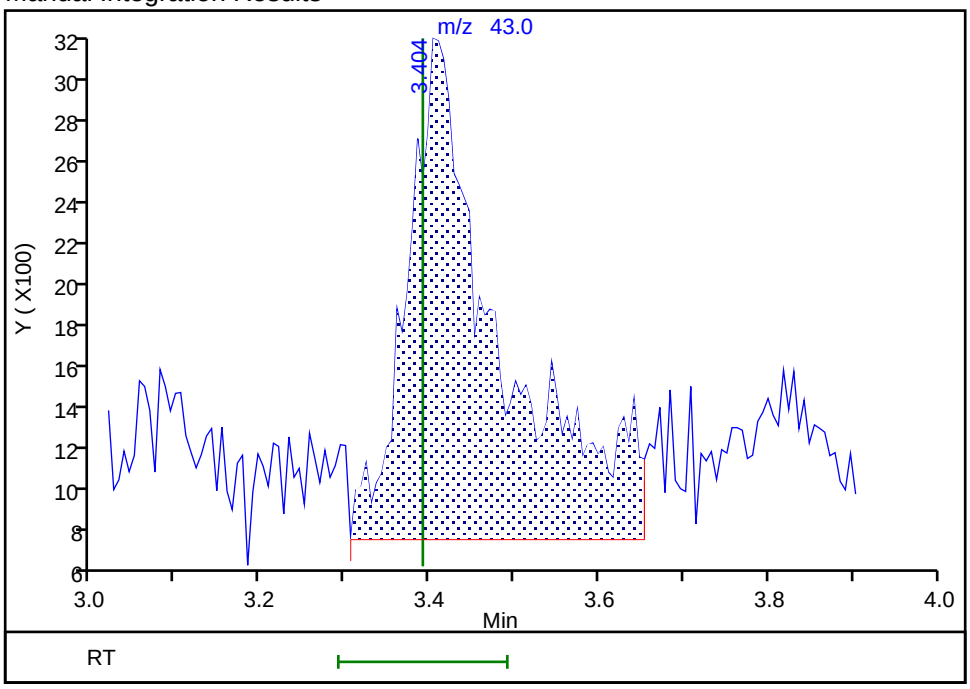
Processing Integration Results

RT: 3.40
Area: 14086
Amount: 2.847889
Amount Units: ug/l



Manual Integration Results

RT: 3.40
Area: 17626
Amount: 3.857461
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:27:06 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

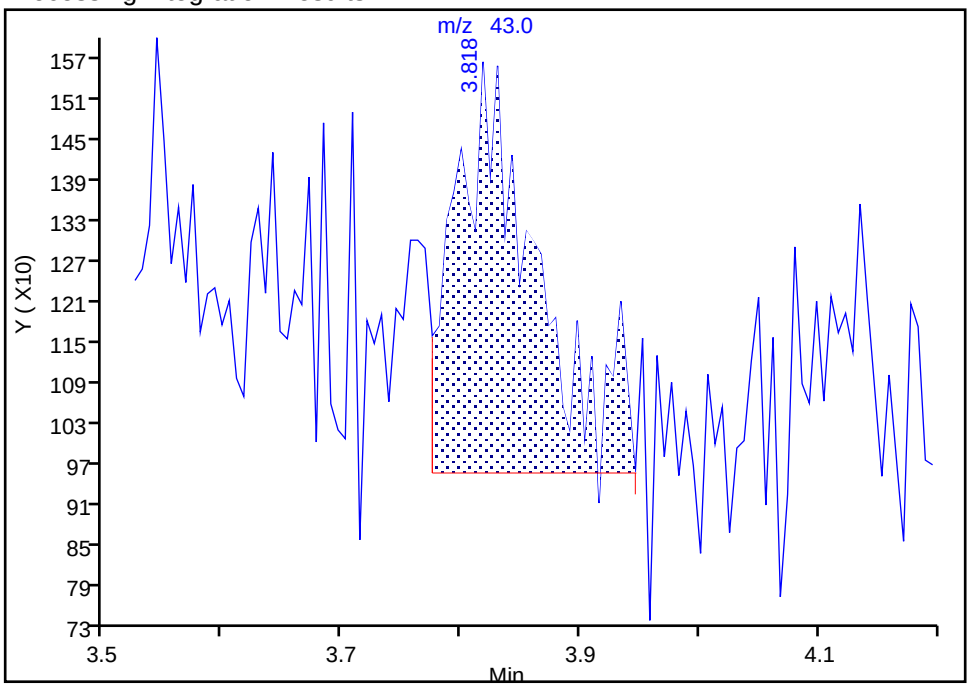
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D				
Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

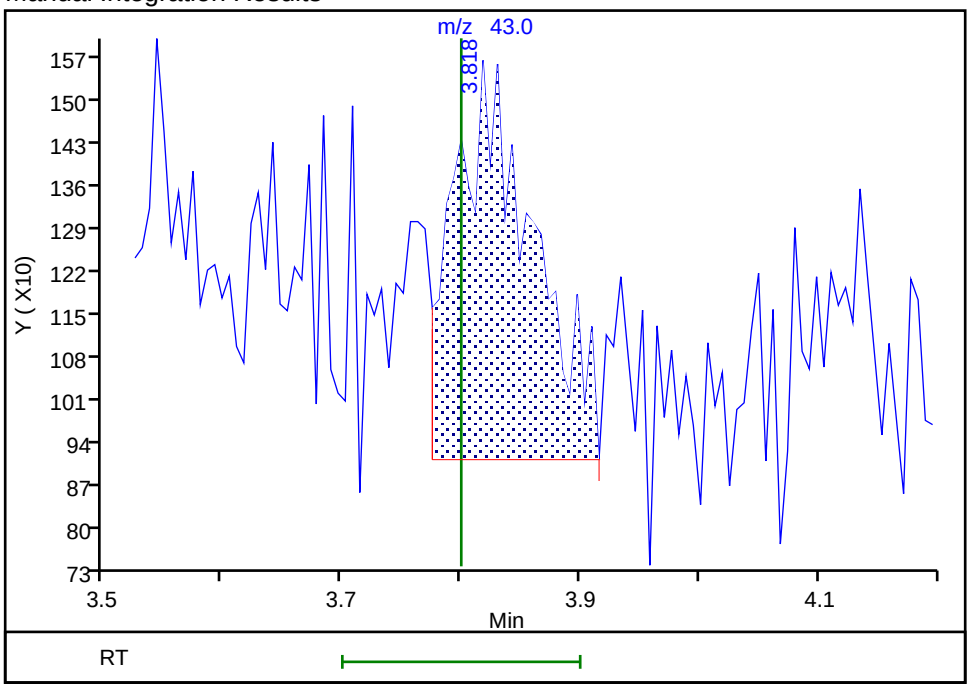
Processing Integration Results

RT: 3.82
Area: 2886
Amount: 0.220541
Amount Units: ug/l



Manual Integration Results

RT: 3.82
Area: 3033
Amount: 0.227709
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:27:24 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

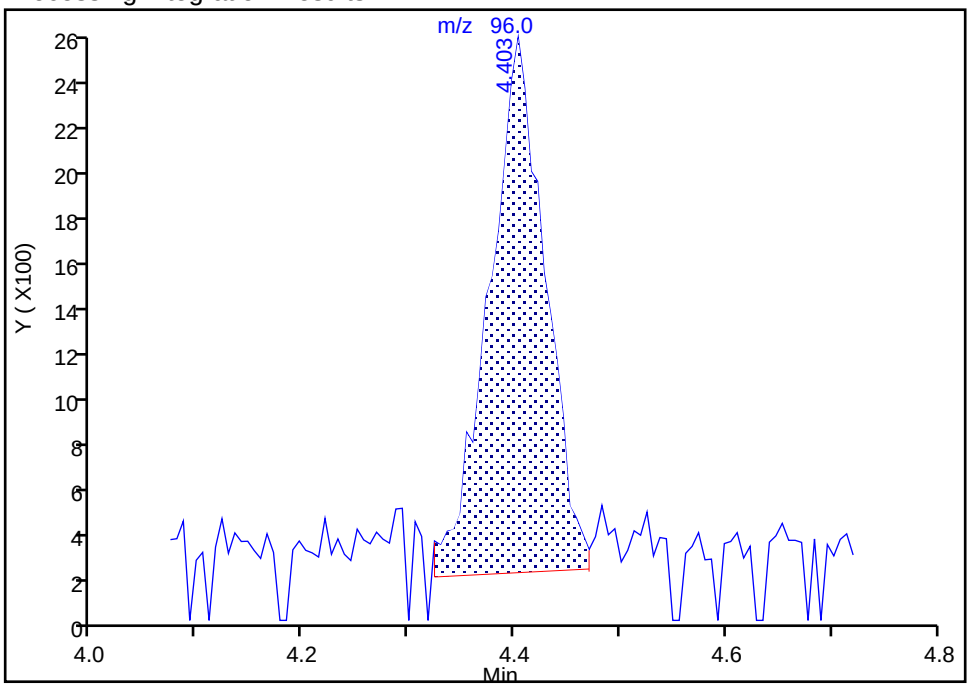
Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D
Injection Date: 17-Oct-2023 07:43:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: GAW91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

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

Signal: 1

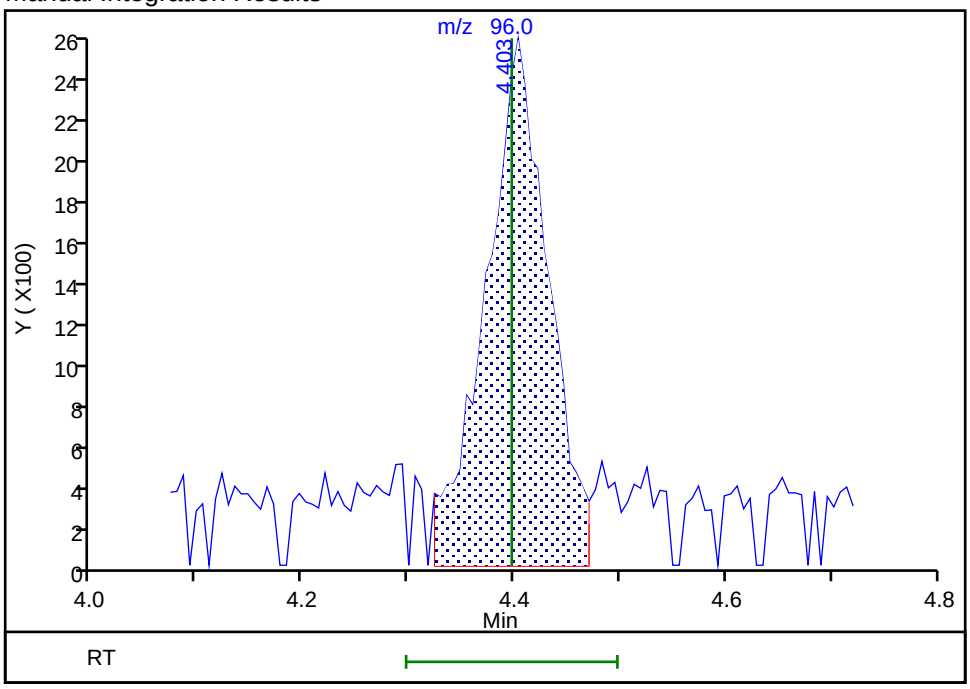
Processing Integration Results

RT: 4.40
Area: 8512
Amount: 0.214009
Amount Units: ug/l



Manual Integration Results

RT: 4.40
Area: 10404
Amount: 0.253471
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:27:43 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

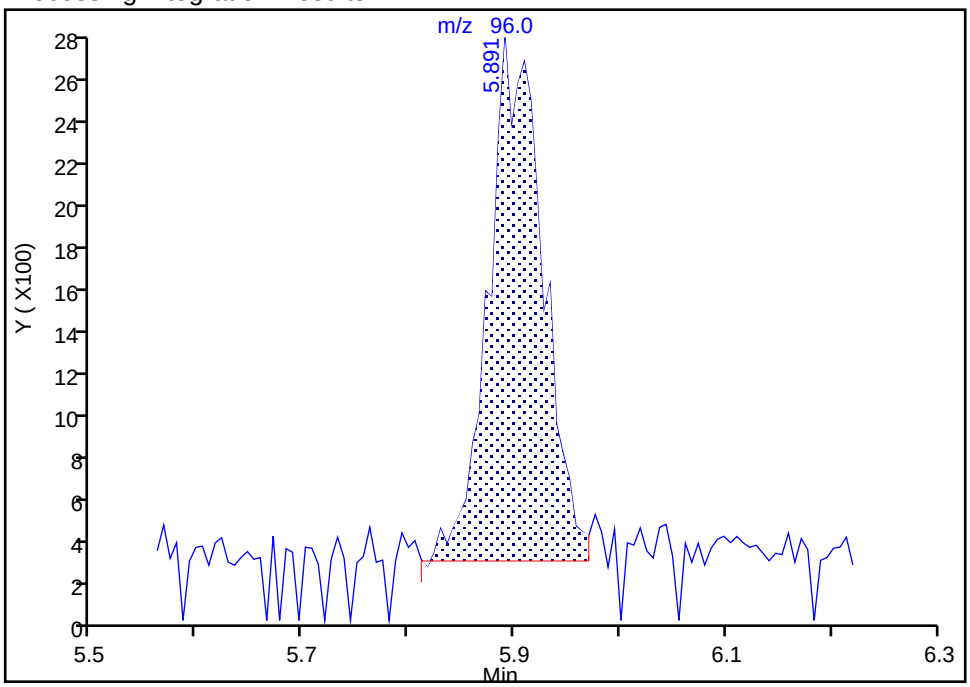
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D				
Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

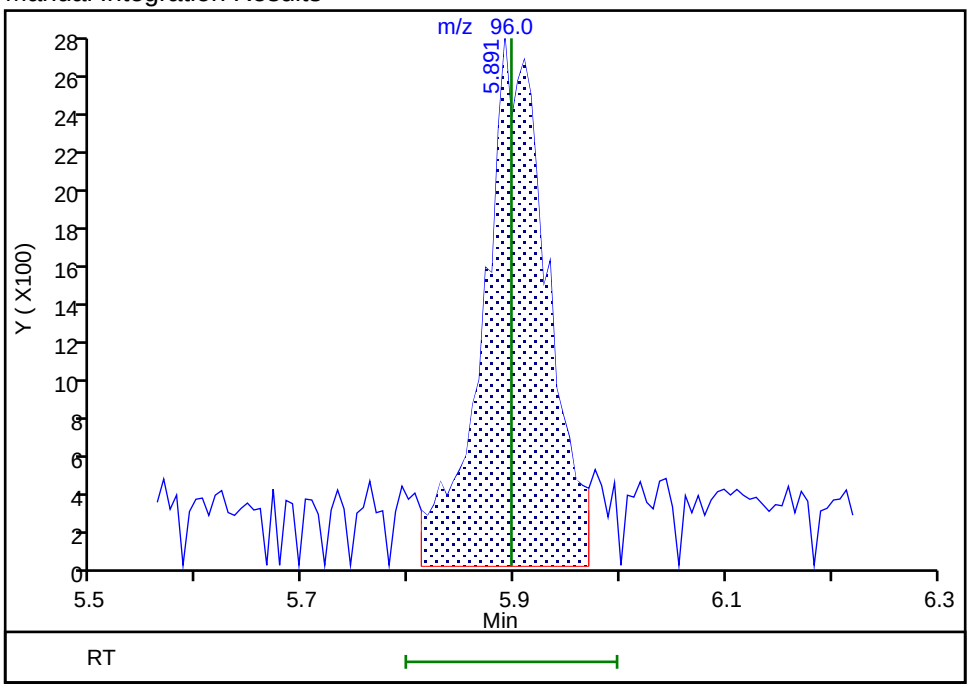
Processing Integration Results

RT: 5.89
Area: 8739
Amount: 0.198438
Amount Units: ug/l



Manual Integration Results

RT: 5.89
Area: 11553
Amount: 0.250886
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:27:56 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

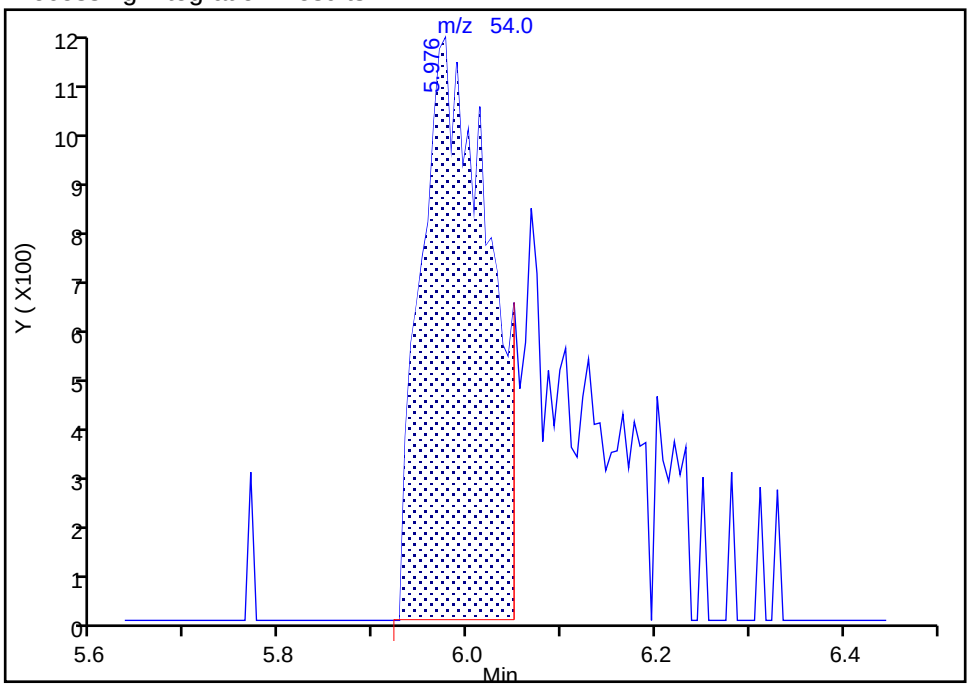
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D				
Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

44 Propionitrile, CAS: 107-12-0

Signal: 1

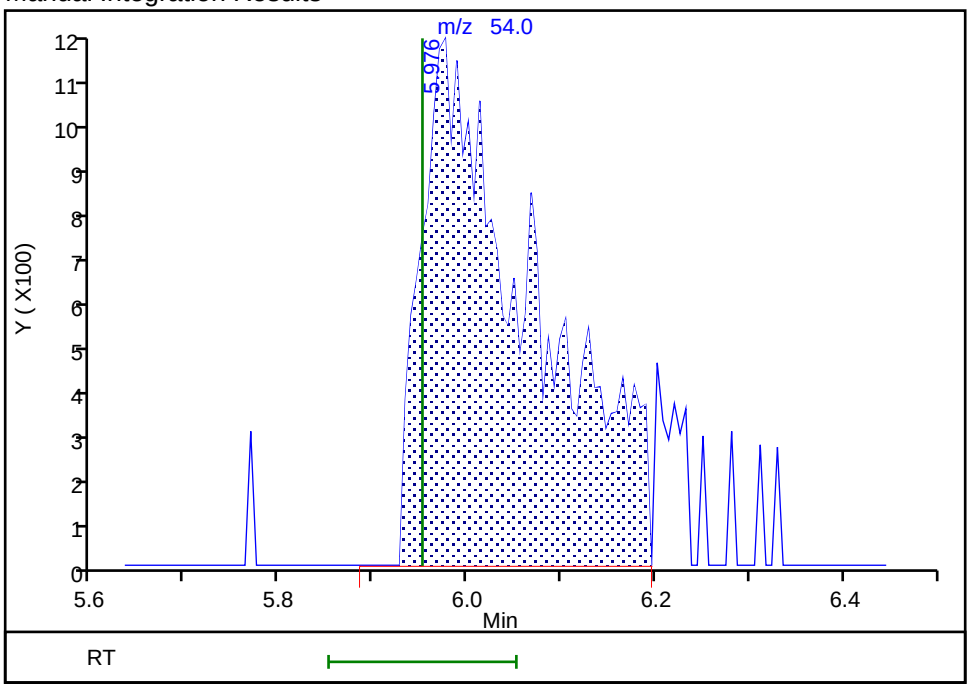
Processing Integration Results

RT: 5.98
Area: 5665
Amount: 3.062458
Amount Units: ug/l



Manual Integration Results

RT: 5.98
Area: 9211
Amount: 4.426781
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:28:05 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

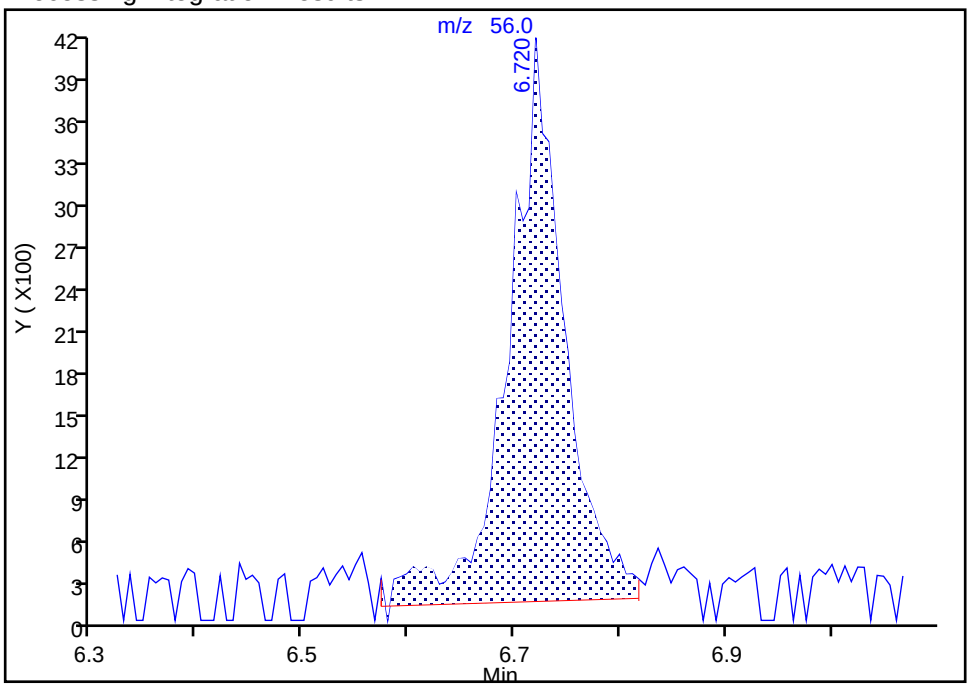
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D				
Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

54 Cyclohexane, CAS: 110-82-7

Signal: 1

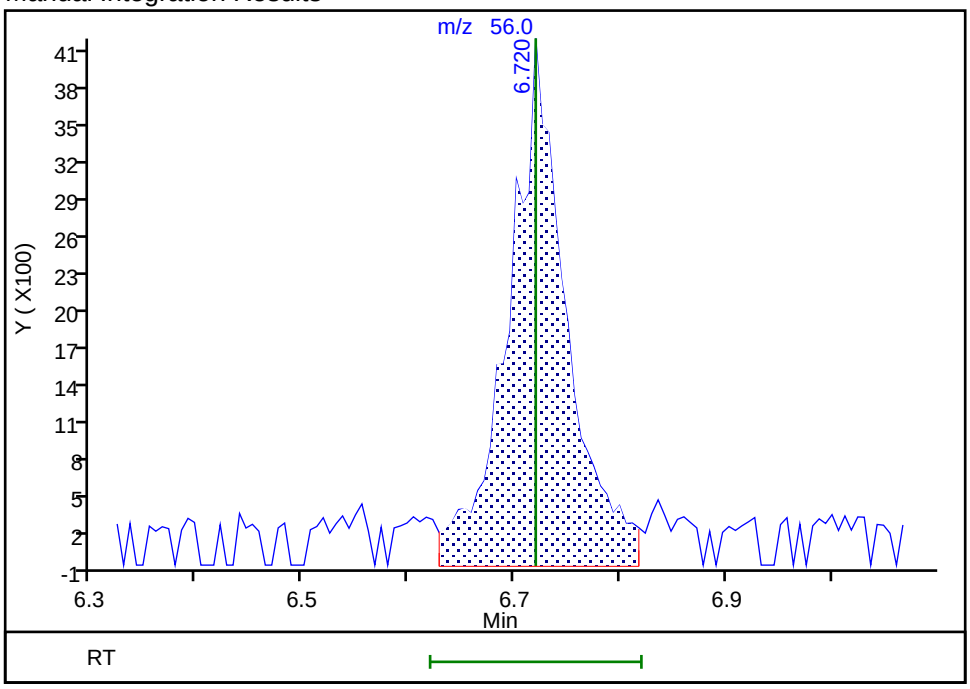
Processing Integration Results

RT: 6.72
Area: 14775
Amount: 0.233129
Amount Units: ug/l



Manual Integration Results

RT: 6.72
Area: 15741
Amount: 0.245697
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:28:26 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

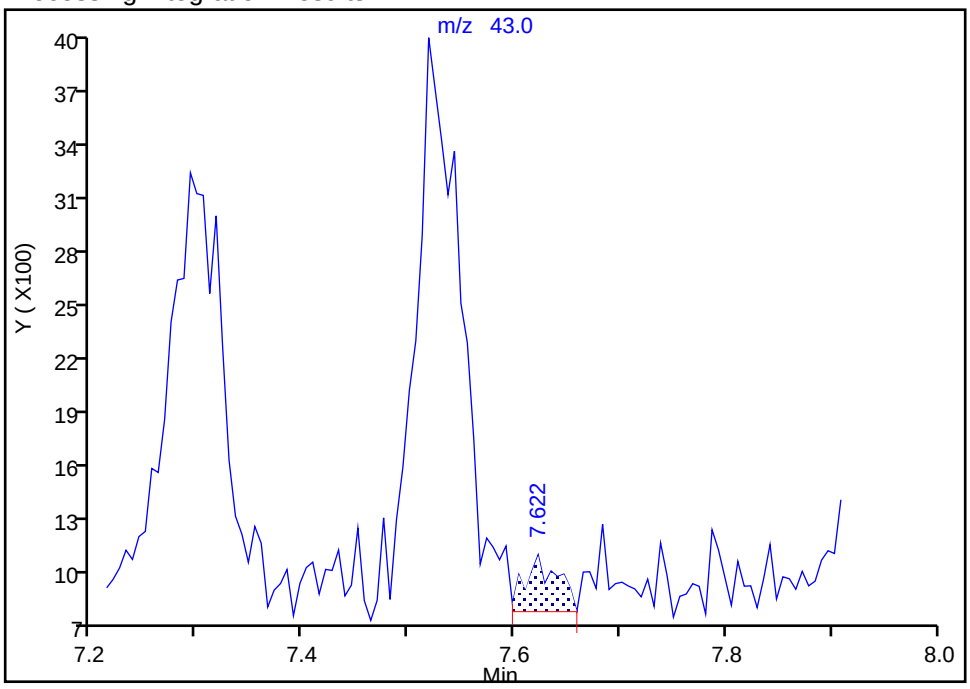
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D				
Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 n-Heptane, CAS: 142-82-5

Signal: 1

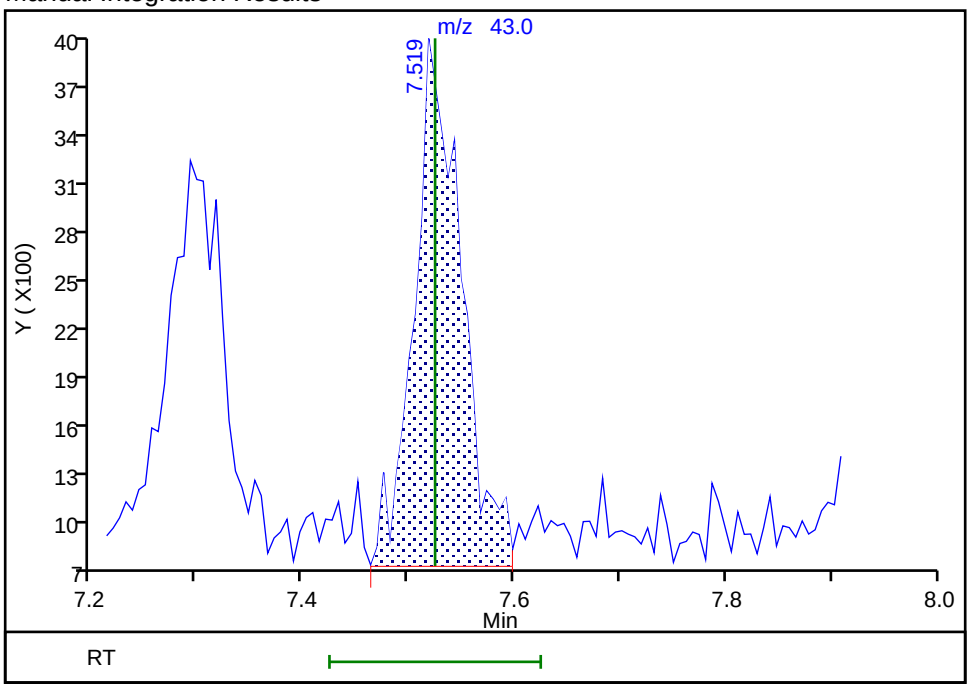
Processing Integration Results

RT: 7.62
Area: 658
Amount: 0.139795
Amount Units: ug/l



Manual Integration Results

RT: 7.52
Area: 9956
Amount: 0.226495
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:28:36 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

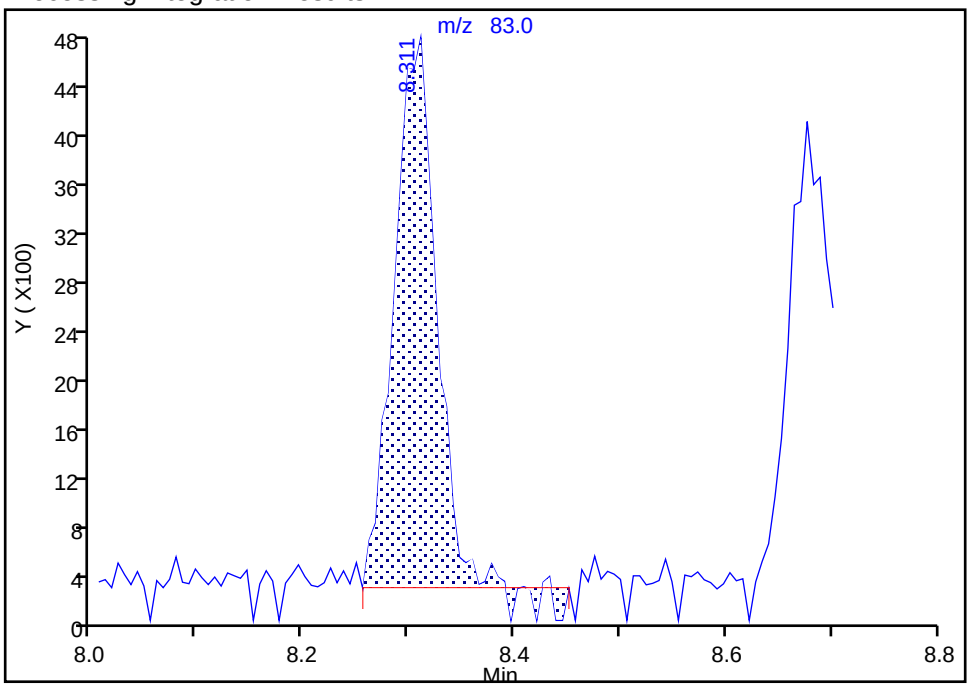
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D				
Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

69 Methylcyclohexane, CAS: 108-87-2

Signal: 1

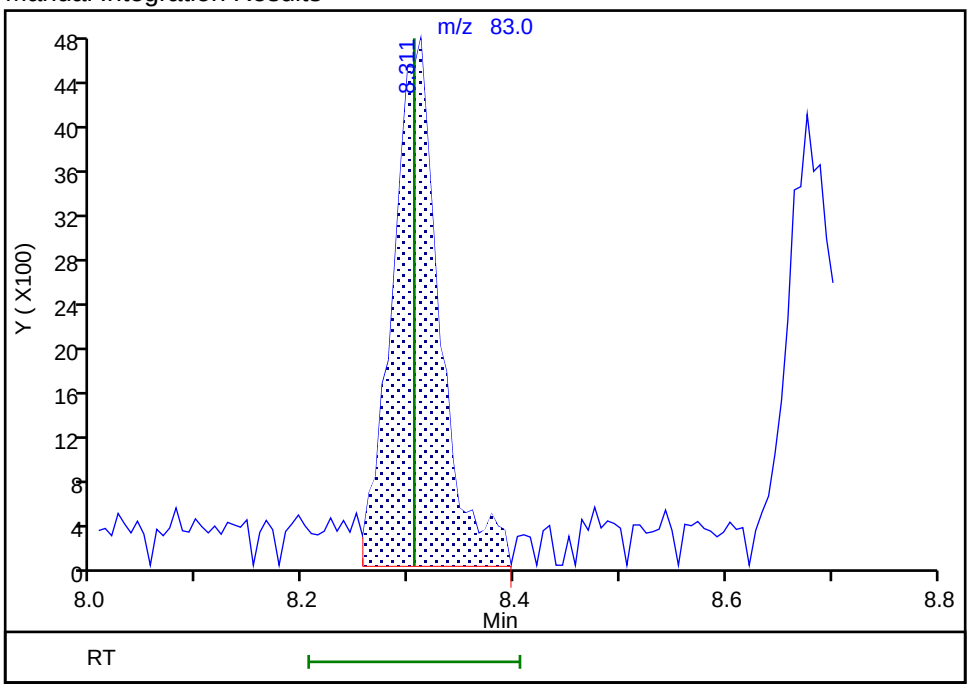
Processing Integration Results

RT: 8.31
Area: 12130
Amount: 0.198040
Amount Units: ug/l



Manual Integration Results

RT: 8.31
Area: 14596
Amount: 0.231639
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:28:49 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

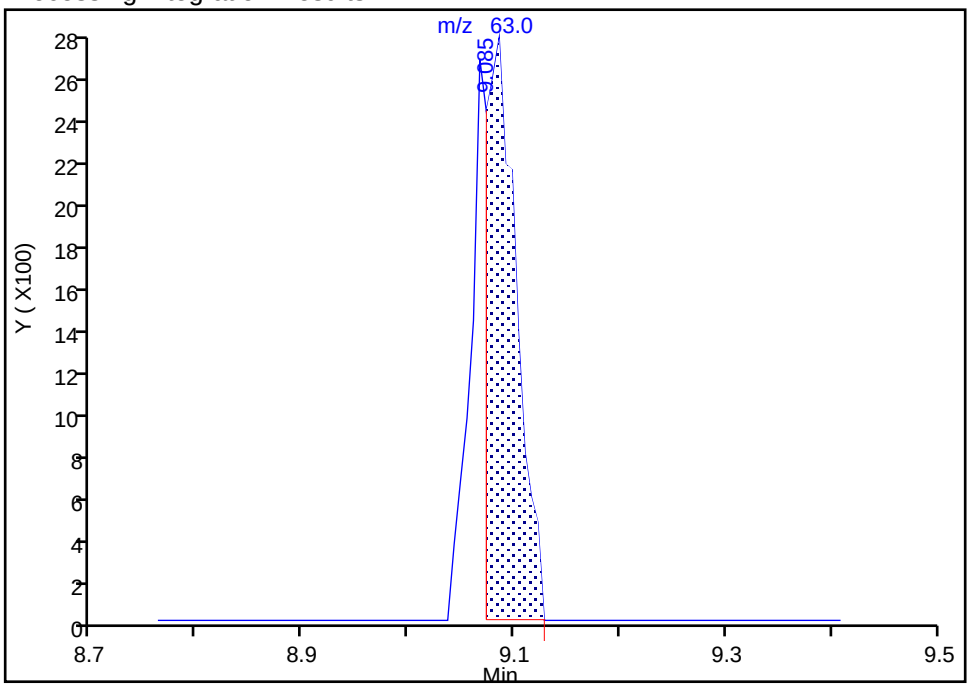
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D				
Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

79 1-Bromo-2-chloroethane, CAS: 107-04-0

Signal: 1

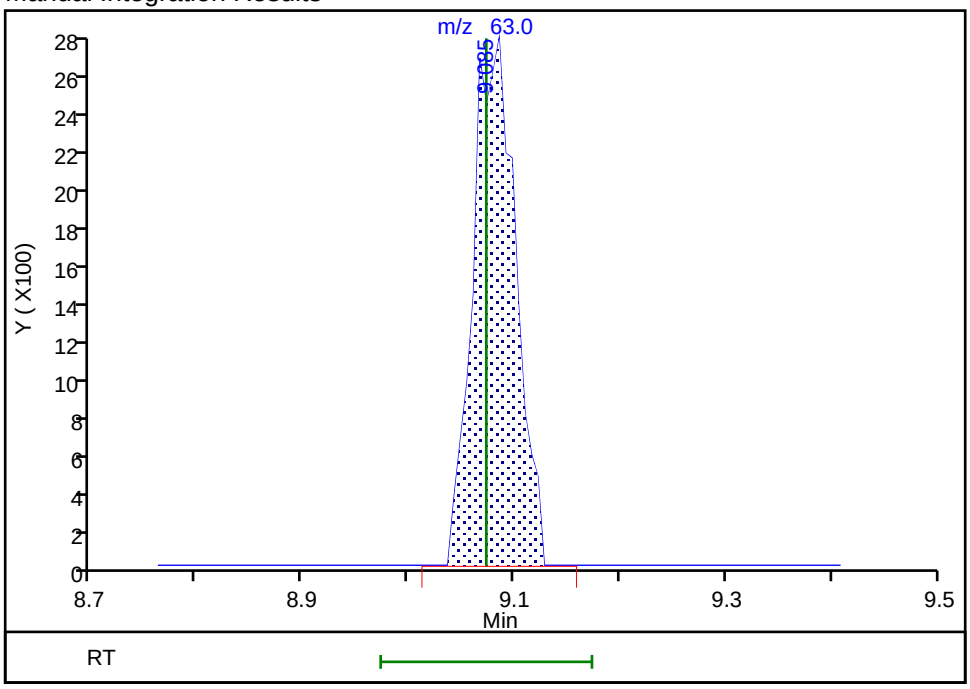
Processing Integration Results

RT: 9.09
Area: 5651
Amount: 0.147841
Amount Units: ug/l



Manual Integration Results

RT: 9.09
Area: 7898
Amount: 0.198300
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:29:03 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X13.D
Lims ID: IC std2 0.5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Oct-2023 08:03:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-014
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:59 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 18-Oct-2023 08:32:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.873	1.873	0.000	99	27445	0.5000	0.5361	M
5 Chloromethane	50	2.056	2.056	0.000	99	29218	0.5000	0.5198	
6 Vinyl chloride	62	2.172	2.172	0.000	80	29242	0.5000	0.5423	
7 Butadiene	39	2.178	2.178	0.000	95	34392	0.5000	0.5881	
9 Bromomethane	94	2.483	2.483	0.000	91	21283	0.5000	0.5544	
10 Chloroethane	64	2.562	2.562	0.000	99	16732	0.5000	0.5376	
11 Dichlorofluoromethane	67	2.788	2.788	0.000	97	47810	0.5000	0.5555	
12 Trichlorofluoromethane	101	2.861	2.855	0.006	95	35185	0.5000	0.5453	
14 Ethyl ether	59	3.087	3.080	0.007	90	15760	0.5001	0.5293	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.147	3.160	-0.013	92	25749	0.5000	0.5561	
16 Acrolein	56	3.239	3.239	0.000	99	91320	25.0	24.8	
17 1,1-Dichloroethene	96	3.373	3.373	0.000	98	18171	0.5000	0.5018	
19 Acetone	43	3.416	3.391	0.025	95	25201	5.00	5.55	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.422	3.416	0.006	90	16437	0.5000	0.4935	
21 Iodomethane	142	3.556	3.556	0.000	99	35135	0.5000	0.4912	
22 Ethyl bromide	108	3.586	3.580	0.006	96	16438	0.4995	0.5072	
23 Carbon disulfide	76	3.666	3.666	0.000	99	50315	0.5000	0.4991	
24 Methyl acetate	43	3.806	3.800	0.006	26	7223	0.5000	0.5455	M
26 3-Chloro-1-propene	41	3.812	3.818	-0.006	88	30721	0.5000	0.5071	
27 Methylene Chloride	84	3.995	3.995	0.000	93	20005	0.5000	0.5206	
* 28 t-Butyl alcohol-d10 (IS)	65	3.995	4.007	-0.012	96	75057	50.0	50.0	
29 2-Methyl-2-propanol	59	4.111	4.111	0.000	67	14400	10.0	10.7	
31 Acrylonitrile	53	4.336	4.312	0.024	89	7751	1.25	1.31	
32 Methyl tert-butyl ether	73	4.391	4.391	0.000	97	45429	0.5000	0.4976	
33 trans-1,2-Dichloroethene	96	4.403	4.397	0.006	97	20871	0.5000	0.5072	
34 Hexane	57	4.830	4.824	0.006	92	22187	0.5000	0.4970	
36 1,1-Dichloroethane	63	5.062	5.056	0.006	96	36905	0.5000	0.5038	
37 Isopropyl ether	45	5.123	5.123	0.000	95	59122	0.5000	0.4899	
38 2-Chloro-1,3-butadiene	53	5.165	5.172	-0.007	94	33494	0.5000	0.5057	
40 Tert-butyl ethyl ether	59	5.659	5.665	-0.006	98	59843	0.5000	0.5039	
41 2-Butanone (MEK)	43	5.885	5.873	0.012	99	34252	5.00	4.61	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.903	5.897	0.006	85	24065	0.5000	0.5213	
43 2,2-Dichloropropane	77	5.915	5.909	0.006	89	33930	0.5000	0.4996	
44 Propionitrile	54	5.976	5.952	0.024	93	22121	10.0	10.7	M
S 46 1,2-Dichloroethene, Total	100				0			1.03	
47 Methacrylonitrile	67	6.177	6.171	0.006	93	39657	5.00	4.80	
48 Chlorobromomethane	128	6.232	6.232	0.000	77	9090	0.5000	0.4930	
49 Tetrahydrofuran	71	6.257	6.257	0.000	75	6840	2.50	2.87	M
50 Chloroform	83	6.391	6.385	0.006	95	37690	0.5000	0.4996	
$ 52 Dibromofluoromethane (Surr)	113	6.604	6.604	0.000	93	437059	10.0	9.96	
53 1,1,1-Trichloroethane	97	6.616	6.616	0.000	39	36711	0.5000	0.5189	
54 Cyclohexane	56	6.720	6.720	0.000	92	34107	0.5000	0.5310	
56 Carbon tetrachloride	117	6.830	6.830	0.000	93	29764	0.5000	0.5025	
55 1,1-Dichloropropene	75	6.830	6.836	-0.006	91	28100	0.5000	0.4933	
57 Isobutyl alcohol	41	7.000	6.988	0.012	84	9104	25.0	21.4	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.061	7.061	0.000	81	81768	10.0	9.88	
59 Benzene	78	7.098	7.098	0.000	96	81541	0.5000	0.4934	
60 1,2-Dichloroethane	62	7.177	7.171	0.006	96	24468	0.5000	0.5083	
63 Tert-amyl methyl ether	73	7.299	7.299	0.000	97	49389	0.5000	0.4905	
* 64 Fluorobenzene (IS)	96	7.506	7.506	0.000	98	1732238	10.0	10.0	
65 n-Heptane	43	7.519	7.525	-0.006	87	22688	0.5000	0.5149	
67 n-Butanol	56	7.909	7.891	0.019	92	17916	43.8	52.9	
68 Trichloroethene	95	7.994	8.000	-0.006	96	22875	0.5000	0.4906	
69 Methylcyclohexane	83	8.299	8.305	-0.006	91	31168	0.5000	0.4934	
70 1,2-Dichloropropane	63	8.329	8.329	0.000	91	20116	0.5000	0.4949	
71 2-ethoxy-2-methyl butane	87	8.348	8.342	0.006	92	31878	0.5000	0.4909	
72 Methyl methacrylate	69	8.433	8.421	0.012	89	9025	0.5000	0.5322	
73 1,4-Dioxane	88	8.439	8.433	0.006	29	235	25.0	25.3	M
74 Dibromomethane	93	8.451	8.439	0.012	92	9357	0.5000	0.4752	
76 Dichlorobromomethane	83	8.683	8.677	0.006	97	25898	0.5000	0.4778	
77 2-Nitropropane	41	8.951	8.939	0.012	98	12816	2.50	2.23	
79 1-Bromo-2-chloroethane	63	9.073	9.073	0.000	98	19521	0.5000	0.4889	
80 cis-1,3-Dichloropropene	75	9.244	9.238	0.006	93	29612	0.5000	0.4695	
82 4-Methyl-2-pentanone (MIBK)	43	9.421	9.421	0.000	97	107243	5.00	5.13	
$ 83 Toluene-d8 (Surr)	98	9.561	9.561	0.000	94	1731261	10.0	10.0	
84 Toluene	92	9.640	9.640	0.000	98	53186	0.5000	0.4941	
85 trans-1,3-Dichloropropene	75	9.908	9.902	0.006	96	24935	0.5000	0.4819	
104 Ethyl methacrylate	69	9.975	9.975	0.000	88	18481	0.5000	0.4813	
S 105 1,3-Dichloropropene, Total	100				0			0.9514	
106 1,1,2-Trichloroethane	97	10.116	10.116	0.000	91	12757	0.5000	0.4707	
107 Tetrachloroethene	166	10.201	10.201	0.000	98	25588	0.5000	0.4975	
108 1,3-Dichloropropane	76	10.280	10.280	0.000	93	22586	0.5000	0.4864	
109 2-Hexanone	43	10.335	10.335	0.000	97	68798	5.00	4.94	
111 Chlorodibromomethane	129	10.500	10.500	0.000	91	17364	0.5000	0.4804	
112 Ethylene Dibromide	107	10.609	10.609	0.000	99	13173	0.5000	0.5042	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1303431	10.0	10.0	
114 1-Chlorohexane	91	11.061	11.061	0.000	95	32597	0.5000	0.5303	
115 Chlorobenzene	112	11.073	11.073	0.000	97	59000	0.5000	0.5029	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	94	20693	0.5000	0.4839	
117 Ethylbenzene	91	11.164	11.164	0.000	99	104124	0.5000	0.4966	
S 118 Xylenes, Total	106				0			1.46	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	78826	1.00	0.9732	
120 o-Xylene	106	11.615	11.609	0.006	97	38877	0.5000	0.4895	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.628	11.628	0.000	95	61427	0.5000	0.4783	
122 Bromoform	173	11.786	11.786	0.000	96	11238	0.5000	0.4934	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	95314	0.5000	0.4890	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	91	645602	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	93	17830	0.5000	0.5334	M
128 Bromobenzene	156	12.176	12.176	0.000	96	24978	0.5000	0.5014	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	96	41410	5.00	4.85	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	79	4295	0.5000	0.4808	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	115224	0.5000	0.4879	
132 2-Chlorotoluene	126	12.323	12.323	0.000	96	24346	0.5000	0.4923	
133 1,3,5-Trimethylbenzene	105	12.383	12.384	-0.001	94	84362	0.5000	0.4930	
134 4-Chlorotoluene	126	12.420	12.414	0.006	97	24775	0.5000	0.4905	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	19375	0.5000	0.4961	
136 Pentachloroethane	167	12.658	12.658	0.000	90	15094	0.5000	0.4740	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	98	84884	0.5000	0.4906	
138 sec-Butylbenzene	105	12.792	12.792	0.000	95	101163	0.5000	0.4853	
139 1,3-Dichlorobenzene	146	12.889	12.890	-0.001	98	46000	0.5000	0.4817	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	97	89272	0.5000	0.4863	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	730485	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	47649	0.5000	0.4946	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	38052	0.5000	0.4930	
144 Benzyl chloride	126	13.042	13.042	0.000	99	6418	0.5000	0.4598	
145 p-Diethylbenzene	119	13.176	13.170	0.006	95	50522	0.5000	0.4742	
146 n-Butylbenzene	92	13.194	13.194	0.000	97	40332	0.5000	0.4842	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	97	42105	0.5000	0.4911	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	85	2012	0.5000	0.4555	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	97	30689	0.5000	0.4767	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	22105	0.5000	0.4438	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	96	9472	0.5000	0.4908	
153 Naphthalene	128	14.499	14.493	0.006	97	35396	0.5000	0.4478	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	94	16044	0.5000	0.4528	
157 Pentane	43		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_00099	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00174	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00108	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00009	Amount Added:	5.00	Units: uL	Run Reagent

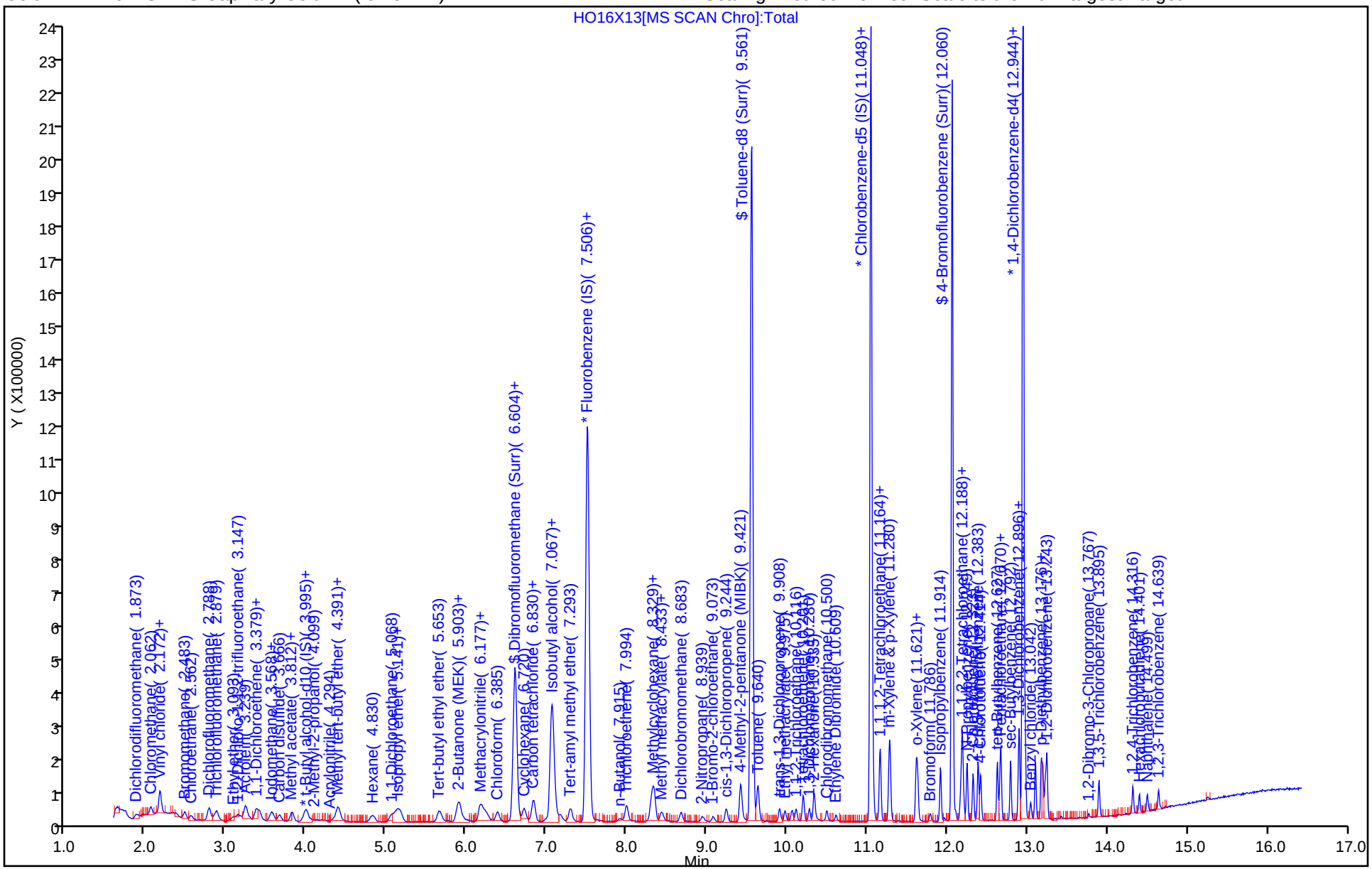
Report Date: 20-Oct-2023 13:25:00 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X13.D

Injection Date:	17-Oct-2023 08:03:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std2 0.5			Worklist Smp#:	14
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSV_19094_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: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

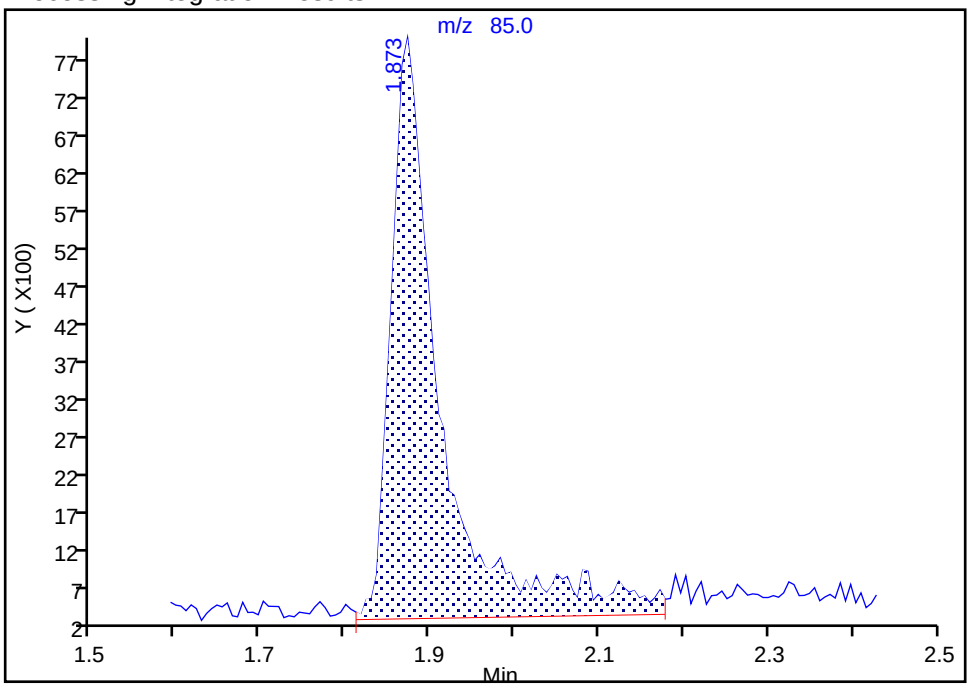
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X13.D				
Injection Date:	17-Oct-2023 08:03:30	Instrument ID:	19094		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

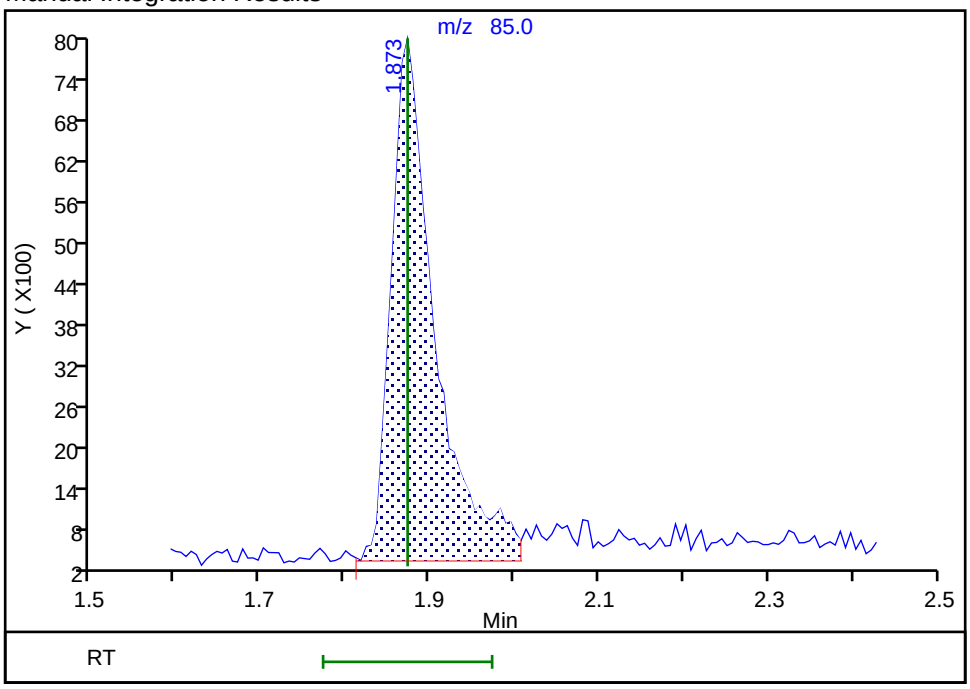
Processing Integration Results

RT: 1.87
Area: 31199
Amount: 0.587091
Amount Units: ug/l



Manual Integration Results

RT: 1.87
Area: 27445
Amount: 0.536093
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:30:03 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

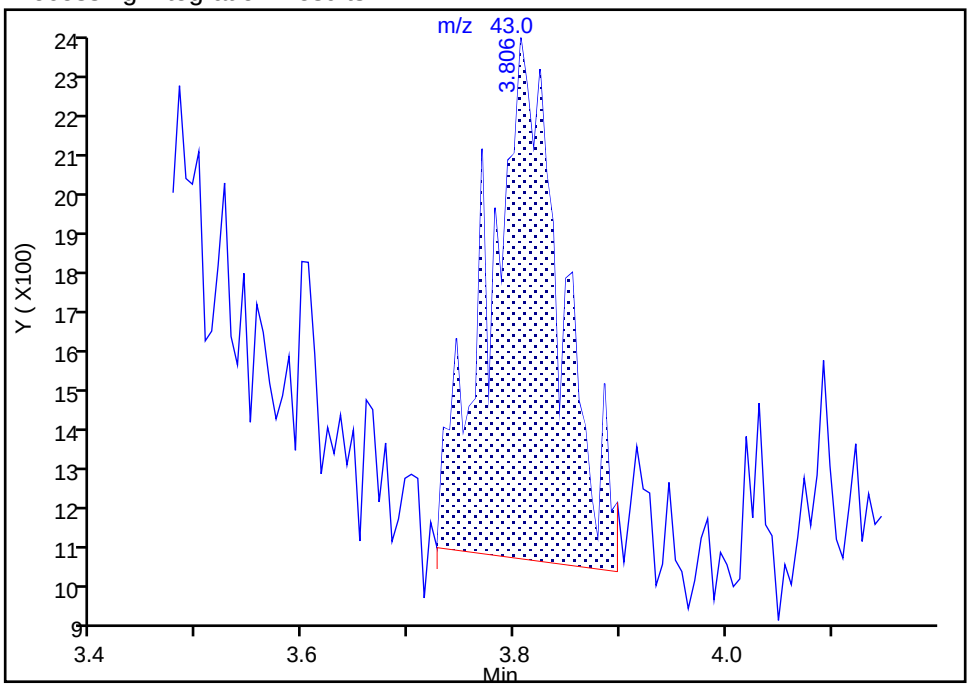
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X13.D				
Injection Date:	17-Oct-2023 08:03:30	Instrument ID:	19094		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

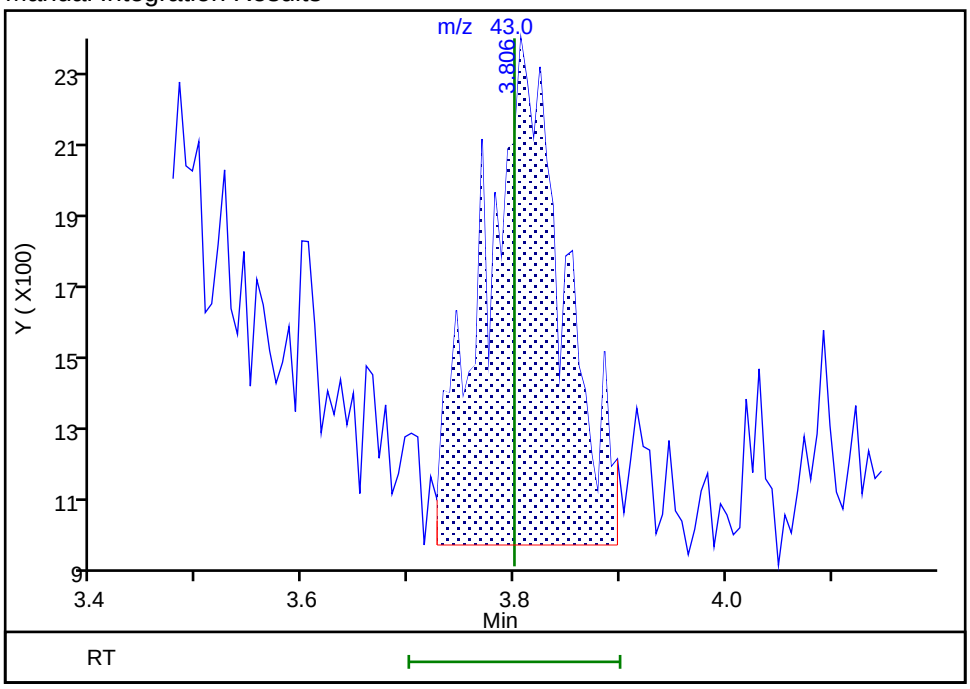
Processing Integration Results

RT: 3.81
Area: 6194
Amount: 0.472340
Amount Units: ug/l



Manual Integration Results

RT: 3.81
Area: 7223
Amount: 0.545490
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:31:07 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

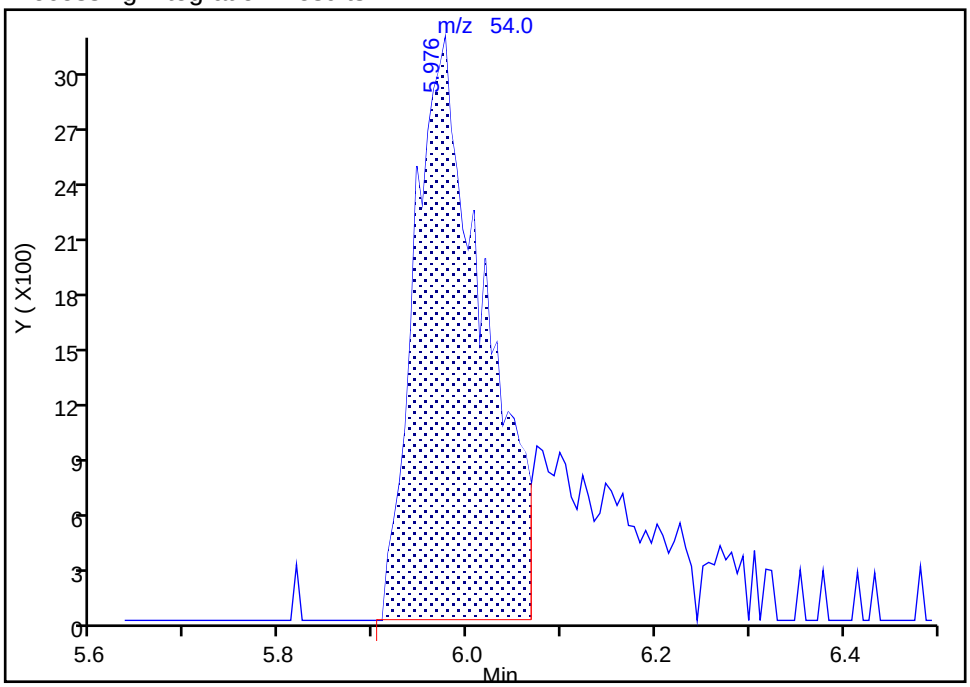
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X13.D				
Injection Date:	17-Oct-2023 08:03:30	Instrument ID:	19094		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

44 Propionitrile, CAS: 107-12-0

Signal: 1

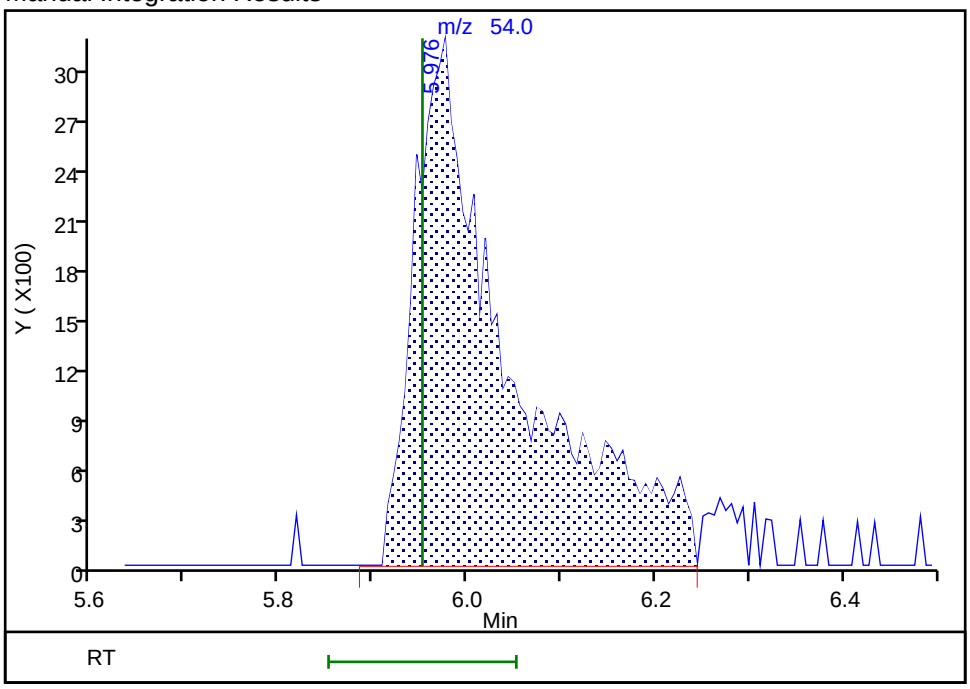
Processing Integration Results

RT: 5.98
Area: 15950
Amount: 8.117704
Amount Units: ug/l



Manual Integration Results

RT: 5.98
Area: 22121
Amount: 10.694180
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:31:24 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

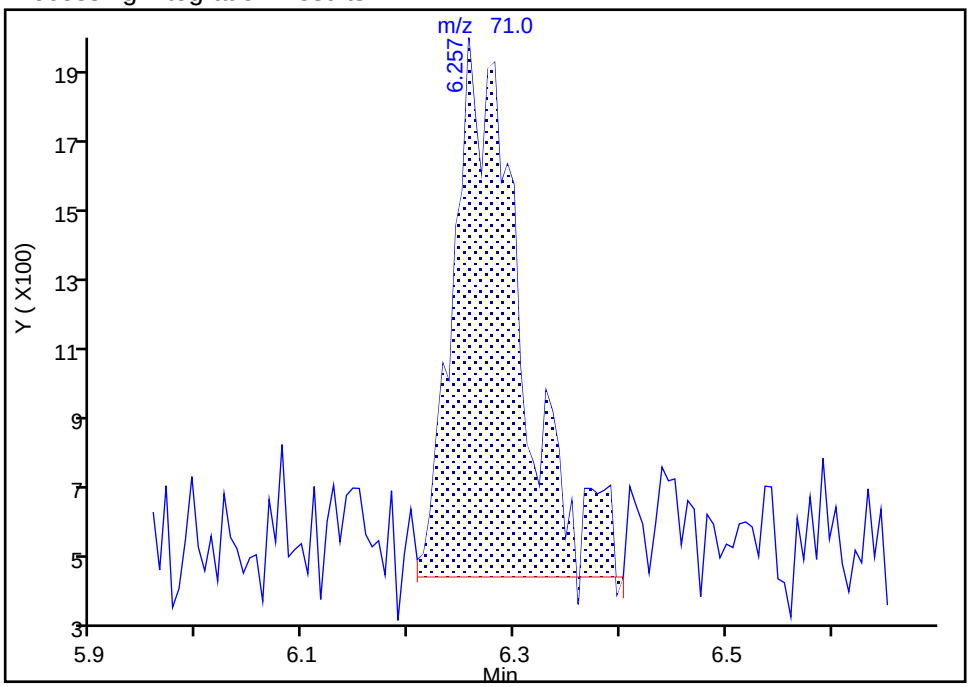
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X13.D				
Injection Date:	17-Oct-2023 08:03:30	Instrument ID:	19094		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

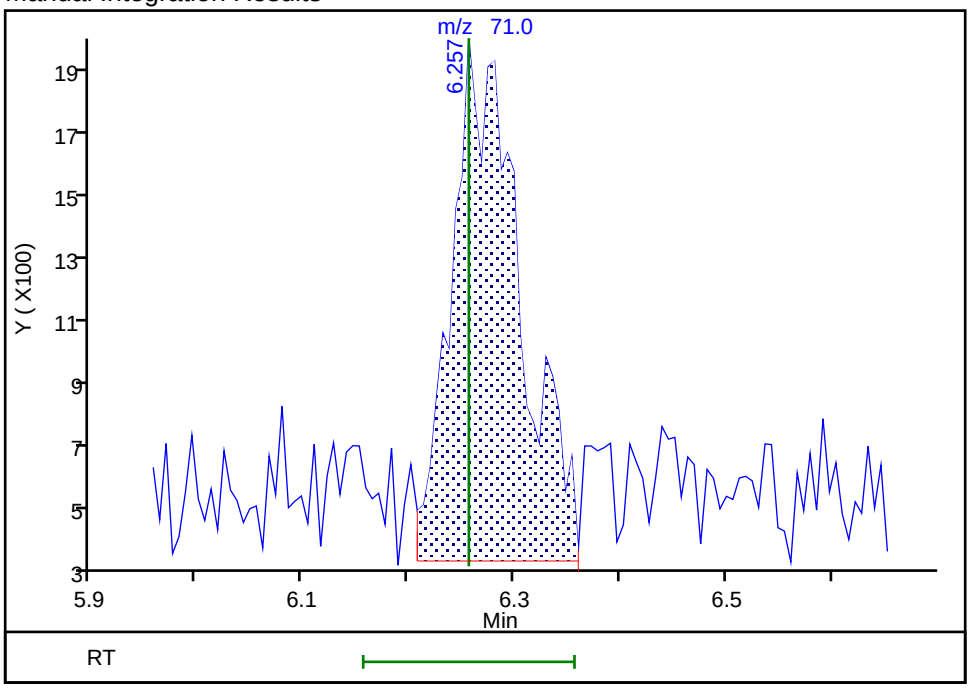
Processing Integration Results

RT: 6.26
Area: 6238
Amount: 2.668278
Amount Units: ug/l



Manual Integration Results

RT: 6.26
Area: 6840
Amount: 2.870740
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:31:45 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

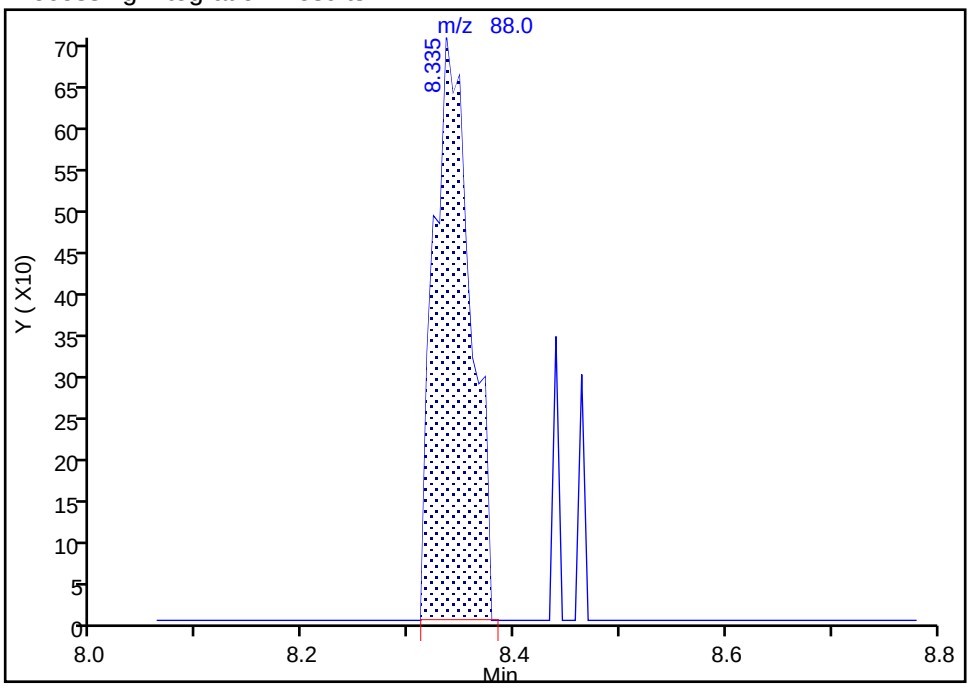
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X13.D				
Injection Date:	17-Oct-2023 08:03:30	Instrument ID:	19094		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	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

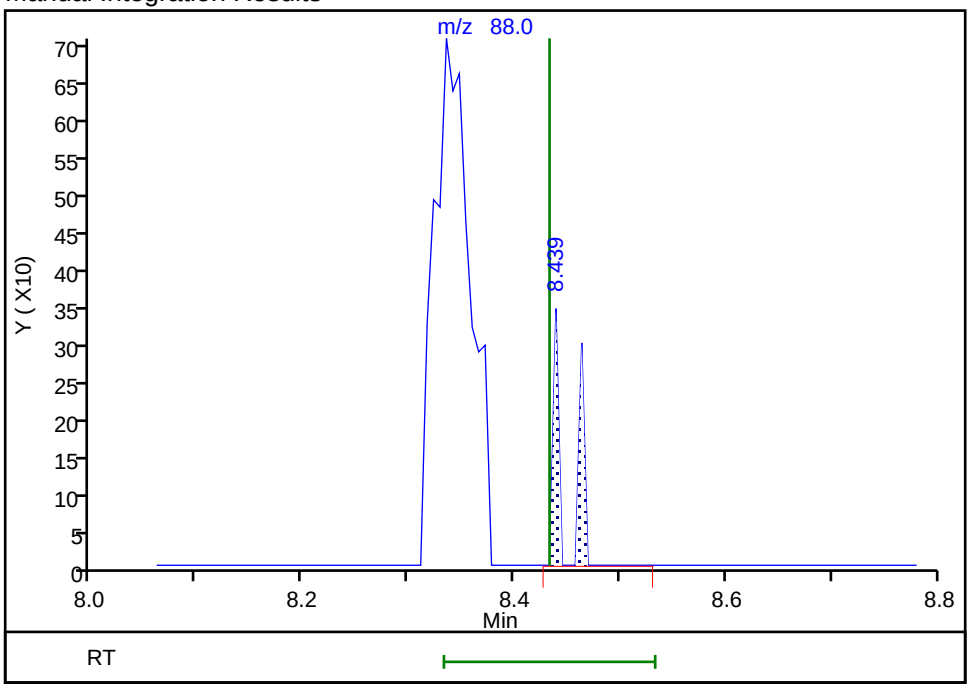
Processing Integration Results

RT: 8.34
Area: 1703
Amount: 25.939331
Amount Units: ug/l



Manual Integration Results

RT: 8.44
Area: 235
Amount: 25.296195
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:32:00 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

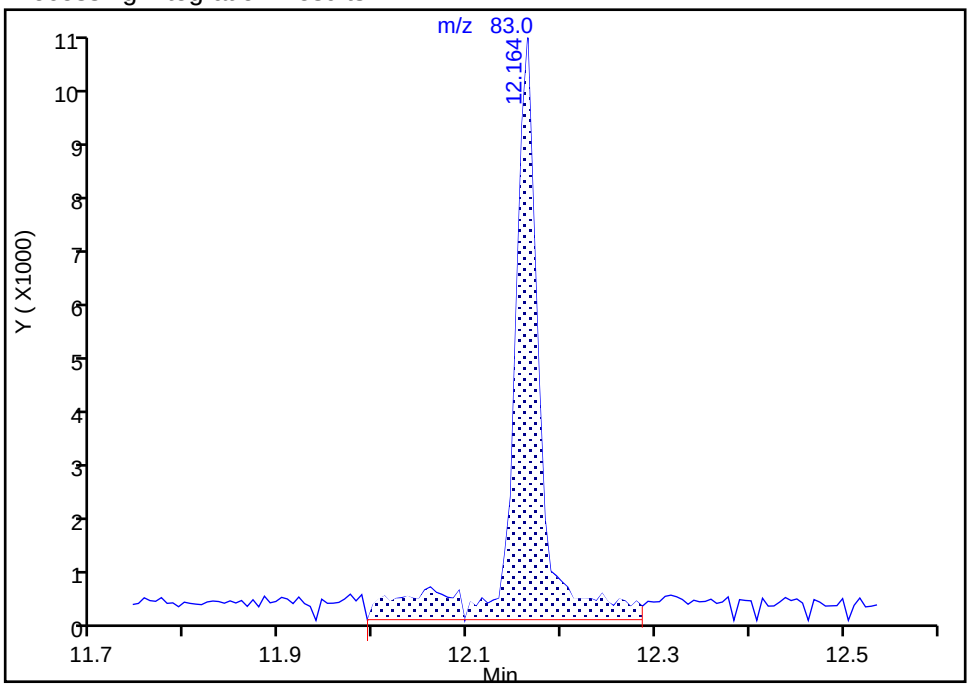
Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X13.D
Injection Date: 17-Oct-2023 08:03:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: GAW91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

127 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

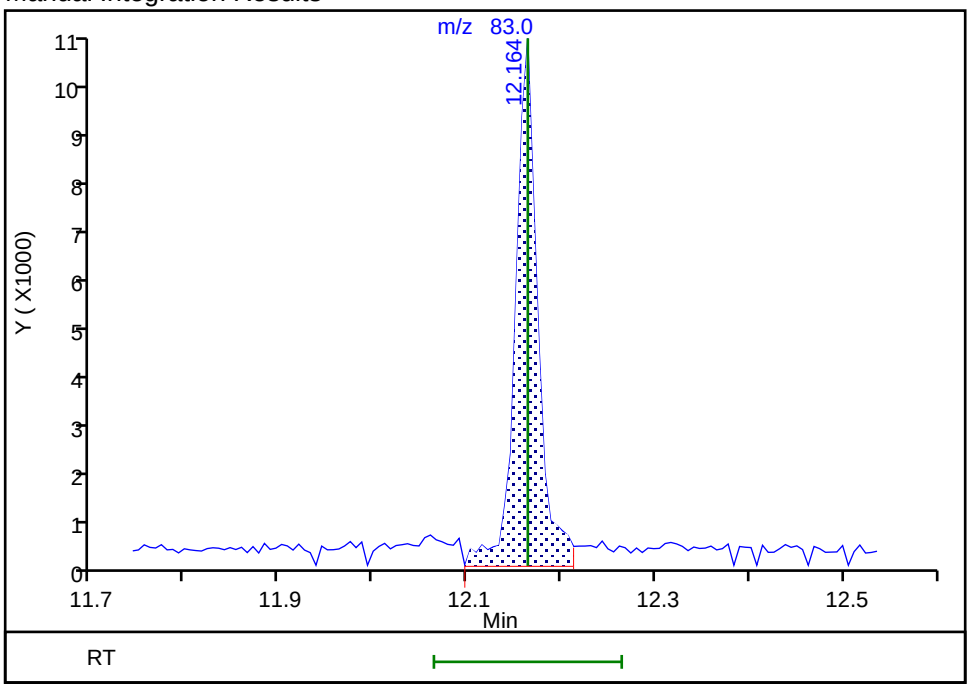
Processing Integration Results

RT: 12.16
Area: 21987
Amount: 0.635183
Amount Units: ug/l



Manual Integration Results

RT: 12.16
Area: 17830
Amount: 0.533393
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:32:27 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X14.D
Lims ID: IC std3 1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Oct-2023 08:23:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-015
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:25:07 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 18-Oct-2023 08:34:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.873	1.873	0.000	99	47180	1.00	0.9282	M
5 Chloromethane	50	2.062	2.056	0.006	99	49073	1.00	0.8794	
6 Vinyl chloride	62	2.172	2.172	0.000	84	46957	1.00	0.8771	
7 Butadiene	39	2.178	2.178	0.000	96	50830	1.00	0.8754	
9 Bromomethane	94	2.483	2.483	0.000	91	33098	1.00	0.8684	
10 Chloroethane	64	2.562	2.562	0.000	99	26760	1.00	0.8659	
11 Dichlorofluoromethane	67	2.782	2.788	-0.006	97	74286	1.00	0.8693	
12 Trichlorofluoromethane	101	2.855	2.855	0.000	95	55649	1.00	0.8687	
14 Ethyl ether	59	3.086	3.080	0.006	91	28495	1.00	0.9640	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.160	3.160	0.000	91	43180	1.00	0.9392	
16 Acrolein	56	3.239	3.239	0.000	98	183300	50.0	47.1	
17 1,1-Dichloroethene	96	3.373	3.373	0.000	99	31918	1.00	0.8878	
19 Acetone	43	3.410	3.391	0.019	82	50266	10.0	10.5	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.416	3.416	0.000	91	31640	1.00	0.9568	
21 Iodomethane	142	3.556	3.556	0.000	99	66017	1.00	0.9296	
22 Ethyl bromide	108	3.580	3.580	0.000	98	31517	1.00	0.9795	
23 Carbon disulfide	76	3.659	3.666	-0.007	100	91871	1.00	0.9179	
24 Methyl acetate	43	3.806	3.800	0.006	43	14125	1.00	1.01	
26 3-Chloro-1-propene	41	3.818	3.818	0.000	87	54415	1.00	0.9048	
27 Methylene Chloride	84	3.995	3.995	0.000	92	35765	1.00	0.9374	
* 28 t-Butyl alcohol-d10 (IS)	65	3.989	4.007	-0.018	95	79384	50.0	50.0	
29 2-Methyl-2-propanol	59	4.117	4.111	0.006	98	28646	20.0	20.1	
31 Acrylonitrile	53	4.330	4.312	0.018	95	15848	2.50	2.53	
32 Methyl tert-butyl ether	73	4.391	4.391	0.000	99	88705	1.00	0.9787	
33 trans-1,2-Dichloroethene	96	4.403	4.397	0.006	97	35833	1.00	0.8771	
34 Hexane	57	4.836	4.824	0.012	92	43007	1.00	0.9703	
36 1,1-Dichloroethane	63	5.062	5.056	0.006	96	67496	1.00	0.9281	
37 Isopropyl ether	45	5.129	5.123	0.006	93	113788	1.00	0.9497	
38 2-Chloro-1,3-butadiene	53	5.171	5.172	-0.001	94	61081	1.00	0.9288	
40 Tert-butyl ethyl ether	59	5.659	5.665	-0.006	97	111723	1.00	0.9476	
41 2-Butanone (MEK)	43	5.872	5.873	-0.001	99	72803	10.0	9.27	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.909	5.897	0.012	83	40092	1.00	0.8747	
43 2,2-Dichloropropane	77	5.903	5.909	-0.006	73	63094	1.00	0.9356	
44 Propionitrile	54	5.970	5.952	0.018	98	43536	20.0	19.9	M
S 46 1,2-Dichloroethene, Total	100				0			1.75	
47 Methacrylonitrile	67	6.177	6.171	0.006	91	84861	10.0	9.72	
48 Chlorobromomethane	128	6.238	6.232	0.006	90	17318	1.00	0.9459	
49 Tetrahydrofuran	71	6.263	6.257	0.006	93	11413	5.00	4.53	
50 Chloroform	83	6.391	6.385	0.006	94	71473	1.00	0.9542	
$ 52 Dibromofluoromethane (Surr)	113	6.604	6.604	0.000	93	437636	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.616	6.616	0.000	42	66112	1.00	0.9411	
54 Cyclohexane	56	6.720	6.720	0.000	92	59226	1.00	0.9288	
56 Carbon tetrachloride	117	6.830	6.830	0.000	92	55633	1.00	0.9460	
55 1,1-Dichloropropene	75	6.842	6.836	0.006	92	52973	1.00	0.9367	
57 Isobutyl alcohol	41	7.000	6.988	0.012	91	18857	50.0	41.9	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.061	7.061	0.000	81	82376	10.0	10.0	
59 Benzene	78	7.098	7.098	0.000	96	151159	1.00	0.9212	
60 1,2-Dichloroethane	62	7.177	7.171	0.006	97	45348	1.00	0.9489	
63 Tert-amyl methyl ether	73	7.299	7.299	0.000	97	97049	1.00	0.9707	
* 64 Fluorobenzene (IS)	96	7.506	7.506	0.000	98	1719834	10.0	10.0	
65 n-Heptane	43	7.531	7.525	0.006	91	40112	1.00	0.9168	
67 n-Butanol	56	7.903	7.891	0.013	89	29168	87.5	81.4	
68 Trichloroethene	95	7.994	8.000	-0.006	98	42574	1.00	0.9196	
69 Methylcyclohexane	83	8.305	8.305	0.000	92	56858	1.00	0.9066	
70 1,2-Dichloropropane	63	8.323	8.329	-0.006	89	37054	1.00	0.9182	
71 2-ethoxy-2-methyl butane	87	8.348	8.342	0.006	94	59941	1.00	0.9296	
72 Methyl methacrylate	69	8.427	8.421	0.006	87	16441	1.00	0.9167	
73 1,4-Dioxane	88	8.439	8.433	0.006	55	1563	50.0	46.4	
74 Dibromomethane	93	8.445	8.439	0.006	95	19149	1.00	0.9795	
76 Dichlorobromomethane	83	8.683	8.677	0.006	98	51068	1.00	0.9489	
77 2-Nitropropane	41	8.945	8.939	0.006	99	30107	5.00	4.95	
79 1-Bromo-2-chloroethane	63	9.079	9.073	0.006	99	38584	1.00	0.9733	
80 cis-1,3-Dichloropropene	75	9.244	9.238	0.006	93	57433	1.00	0.9171	
82 4-Methyl-2-pentanone (MIBK)	43	9.421	9.421	0.000	97	210696	10.0	9.52	
$ 83 Toluene-d8 (Surr)	98	9.561	9.561	0.000	94	1724391	10.0	9.96	
84 Toluene	92	9.640	9.640	0.000	97	99695	1.00	0.9217	
85 trans-1,3-Dichloropropene	75	9.908	9.902	0.006	96	49058	1.00	0.9437	
104 Ethyl methacrylate	69	9.975	9.975	0.000	88	36821	1.00	0.9544	
S 105 1,3-Dichloropropene, Total	100				0			1.86	
106 1,1,2-Trichloroethane	97	10.116	10.116	0.000	91	26773	1.00	0.9831	
107 Tetrachloroethene	166	10.201	10.201	0.000	98	48288	1.00	0.9344	
108 1,3-Dichloropropane	76	10.280	10.280	0.000	91	44898	1.00	0.9624	
109 2-Hexanone	43	10.335	10.335	0.000	98	143316	10.0	9.73	
111 Chlorodibromomethane	129	10.500	10.500	0.000	90	34113	1.00	0.9392	
112 Ethylene Dibromide	107	10.609	10.609	0.000	98	24996	1.00	0.9521	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	86	1309701	10.0	10.0	
114 1-Chlorohexane	91	11.060	11.061	-0.001	97	57045	1.00	0.9236	
115 Chlorobenzene	112	11.073	11.073	0.000	94	109152	1.00	0.9259	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	93	39973	1.00	0.9303	
117 Ethylbenzene	91	11.164	11.164	0.000	99	193231	1.00	0.9172	
S 118 Xylenes, Total	106				0			2.77	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	149357	2.00	1.84	
120 o-Xylene	106	11.615	11.609	0.006	95	74669	1.00	0.9356	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.627	11.628	-0.001	94	116663	1.00	0.9040	
122 Bromoform	173	11.786	11.786	0.000	97	21153	1.00	0.9242	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	178597	1.00	0.9119	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	91	645223	10.0	9.95	
127 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	94	30867	1.00	0.9261	
128 Bromobenzene	156	12.176	12.176	0.000	95	45967	1.00	0.9255	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	96	84012	10.0	9.30	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	80	8444	1.00	0.9480	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	219857	1.00	0.9336	
132 2-Chlorotoluene	126	12.322	12.323	-0.001	96	45777	1.00	0.9285	
133 1,3,5-Trimethylbenzene	105	12.383	12.384	-0.001	95	159499	1.00	0.9349	
134 4-Chlorotoluene	126	12.420	12.414	0.006	98	46229	1.00	0.9179	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	37670	1.00	0.9673	
136 Pentachloroethane	167	12.658	12.658	0.000	92	30365	1.00	0.9563	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	98	156430	1.00	0.9068	
138 sec-Butylbenzene	105	12.792	12.792	0.000	94	189434	1.00	0.9115	
139 1,3-Dichlorobenzene	146	12.889	12.890	-0.001	98	87918	1.00	0.9234	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	97	166418	1.00	0.9092	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	728345	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	-0.001	95	89409	1.00	0.9308	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	99	70965	1.00	0.9221	
144 Benzyl chloride	126	13.042	13.042	0.000	99	13031	1.00	0.9364	
145 p-Diethylbenzene	119	13.176	13.170	0.006	95	98173	1.00	0.9241	
146 n-Butylbenzene	92	13.194	13.194	0.000	98	74564	1.00	0.8978	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	80283	1.00	0.9391	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	84	4130	1.00	0.9377	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	97	58149	1.00	0.9060	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	93	45128	1.00	0.9087	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	95	17738	1.00	0.9218	
153 Naphthalene	128	14.499	14.493	0.006	97	71397	1.00	0.9058	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	94	31335	1.00	0.8870	
157 Pentane	43		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_00099	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00174	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00108	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00009	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 20-Oct-2023 13:25:08 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X14.D

Injection Date: 17-Oct-2023 08:23:30 Instrument ID: 19094 Operator ID: GAW91131

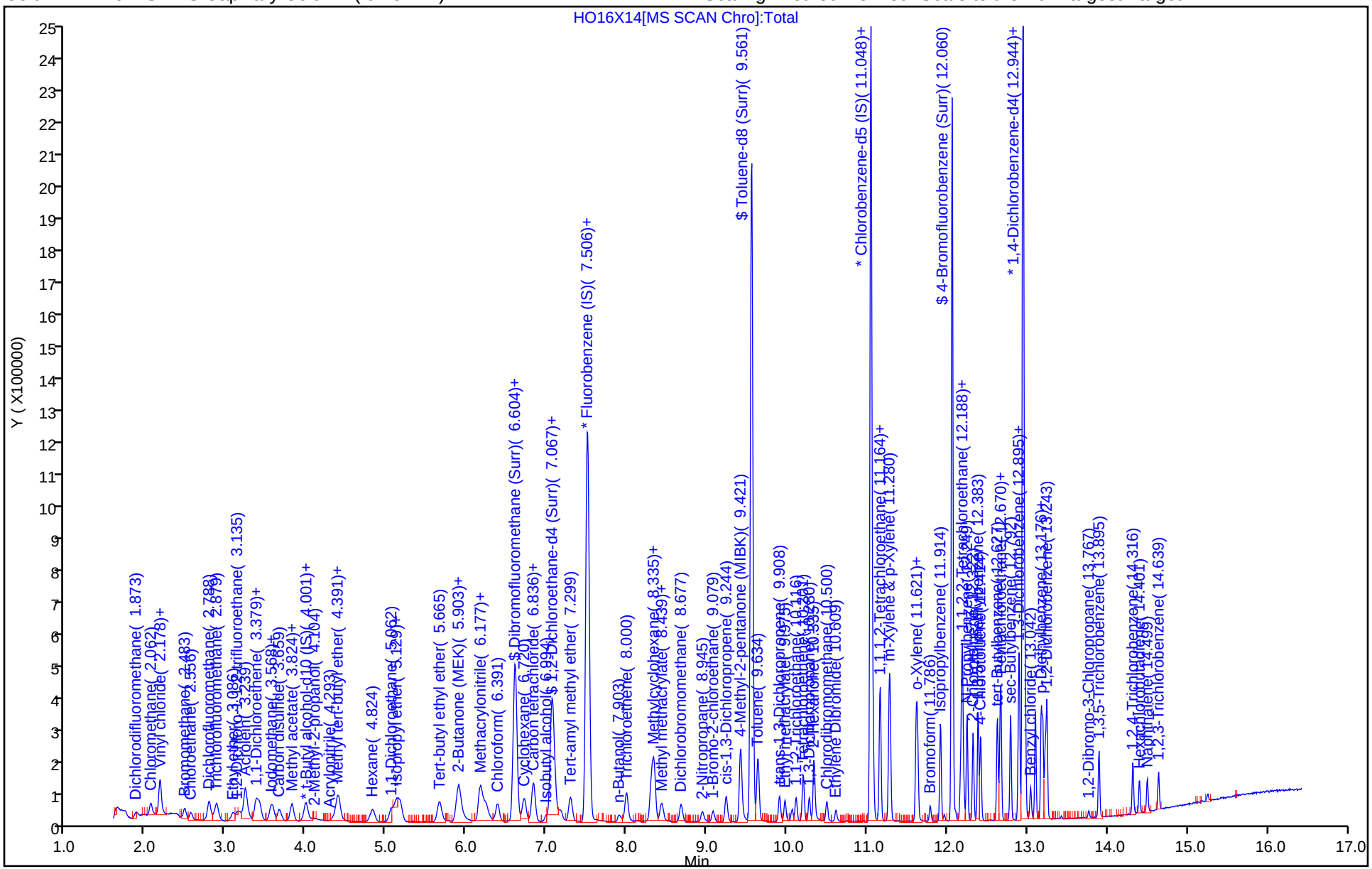
Lims ID: IC std3 1 Worklist Smp#: 15

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 14

Method: MSV_19094_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: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

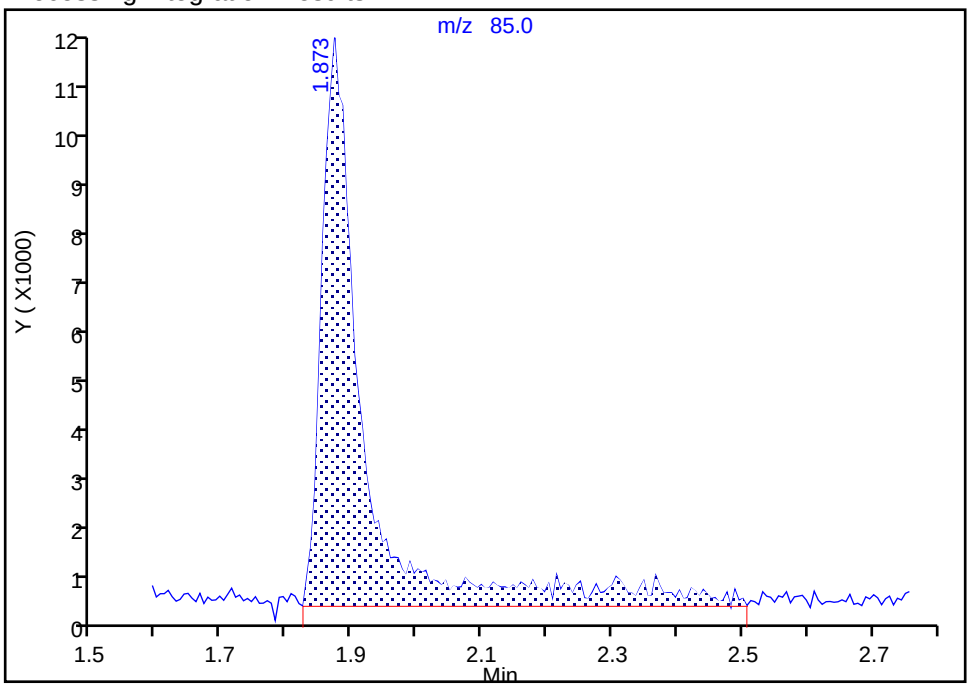
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X14.D				
Injection Date:	17-Oct-2023 08:23:30	Instrument ID:	19094		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

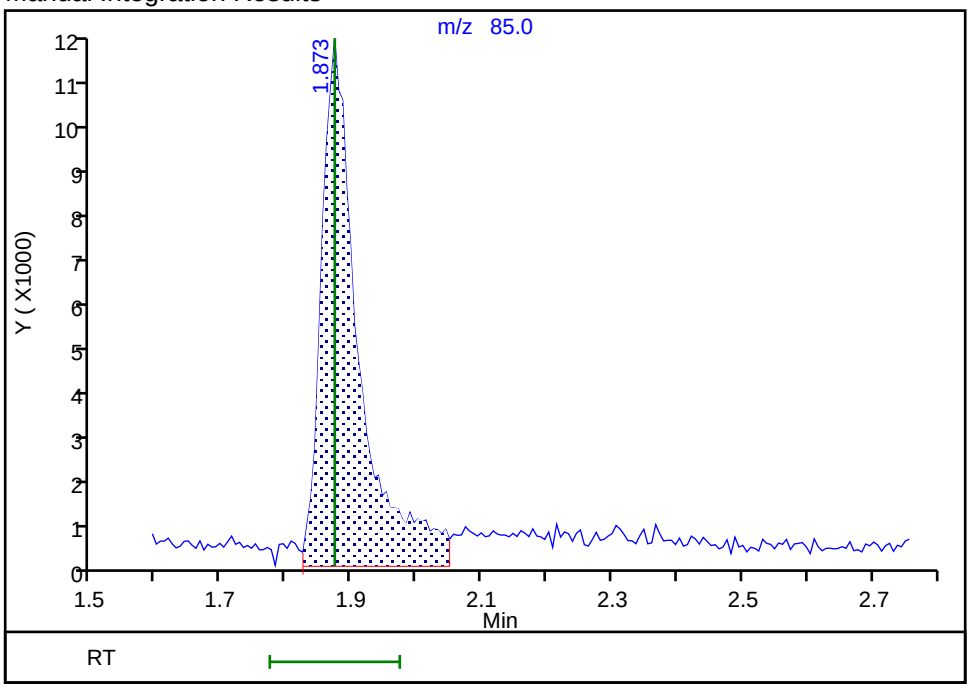
Processing Integration Results

RT: 1.87
Area: 52231
Amount: 1.010344
Amount Units: ug/l



Manual Integration Results

RT: 1.87
Area: 47180
Amount: 0.928231
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:33:42 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

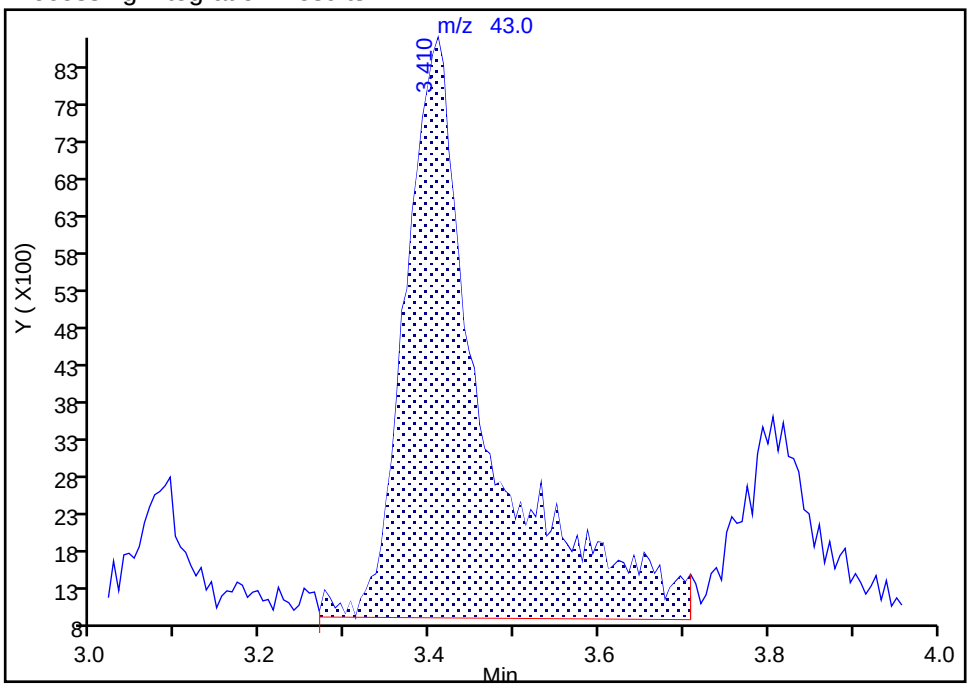
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X14.D				
Injection Date:	17-Oct-2023 08:23:30	Instrument ID:	19094		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 Acetone, CAS: 67-64-1

Signal: 1

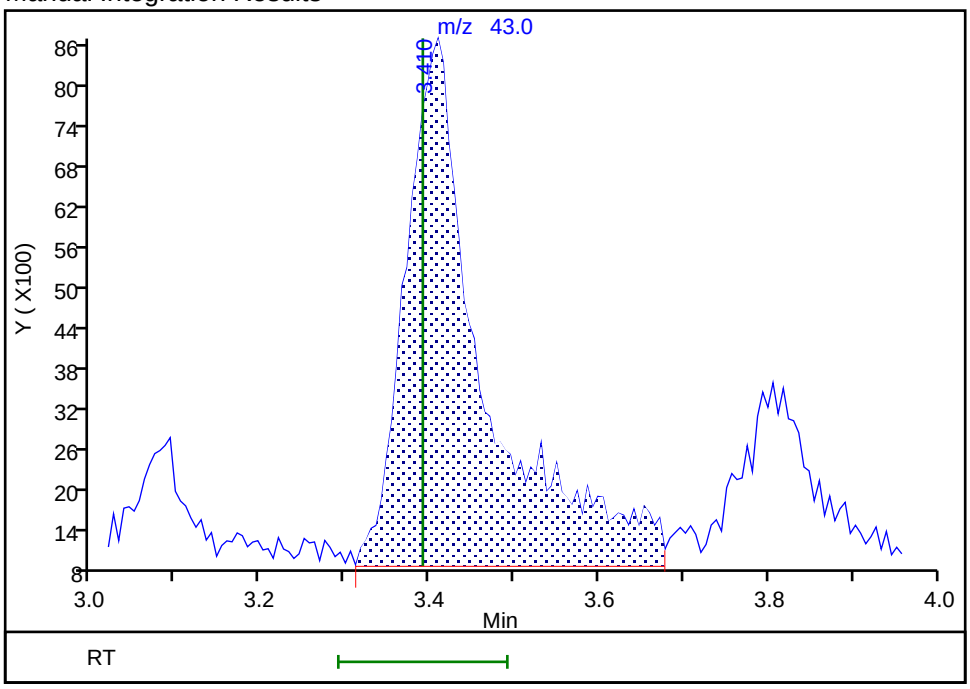
Processing Integration Results

RT: 3.41
Area: 51989
Amount: 9.337243
Amount Units: ug/l



Manual Integration Results

RT: 3.41
Area: 50266
Amount: 10.462653
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:34:06 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

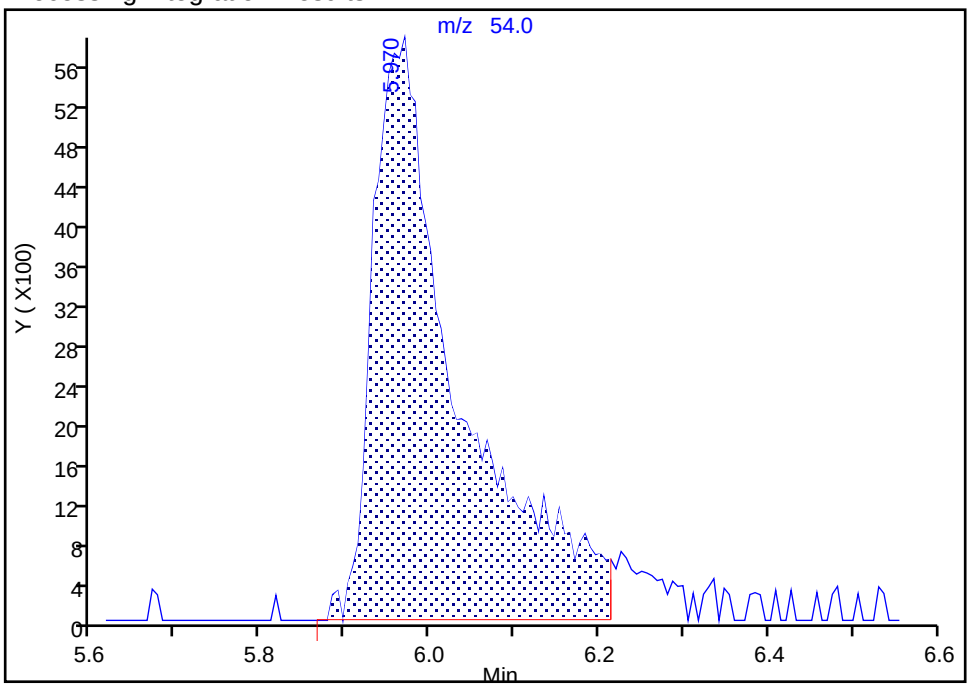
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X14.D				
Injection Date:	17-Oct-2023 08:23:30	Instrument ID:	19094		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

44 Propionitrile, CAS: 107-12-0

Signal: 1

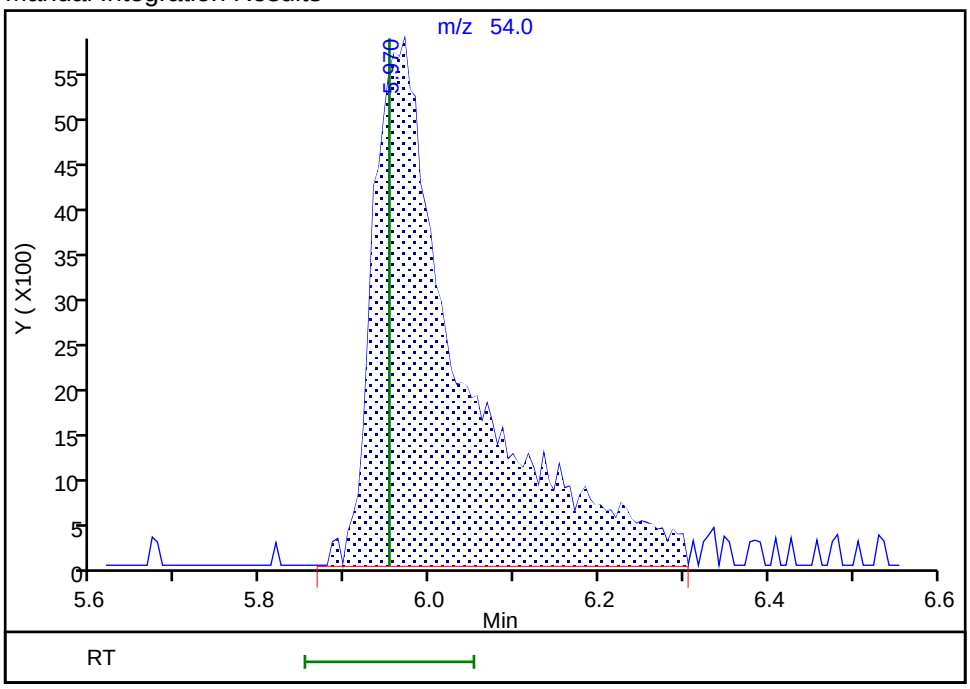
Processing Integration Results

RT: 5.97
Area: 41203
Amount: 18.975728
Amount Units: ug/l



Manual Integration Results

RT: 5.97
Area: 43536
Amount: 19.899835
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:34:25 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X15.D
Lims ID: IC std4 2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Oct-2023 08:43:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-016
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:25:16 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 18-Oct-2023 08:36:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.873	1.873	0.000	99	90377	2.00	1.75	M
5 Chloromethane	50	2.050	2.050	0.000	99	106532	2.00	1.88	
6 Vinyl chloride	62	2.166	2.166	0.000	98	99395	2.00	1.83	
7 Butadiene	39	2.172	2.172	0.000	94	106290	2.00	1.80	
9 Bromomethane	94	2.483	2.483	0.000	90	71849	2.00	1.86	
10 Chloroethane	64	2.562	2.562	0.000	99	57006	2.00	1.82	
11 Dichlorofluoromethane	67	2.782	2.782	0.000	97	161545	2.00	1.86	
12 Trichlorofluoromethane	101	2.849	2.849	0.000	98	117460	2.00	1.81	
14 Ethyl ether	59	3.080	3.080	0.000	92	55414	2.00	1.85	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.153	3.153	0.000	91	86730	2.00	1.86	
16 Acrolein	56	3.233	3.233	0.000	99	375617	100.0	99.4	
17 1,1-Dichloroethene	96	3.367	3.367	0.000	97	68446	2.00	1.87	
19 Acetone	43	3.391	3.391	0.000	90	90162	20.0	19.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.416	3.416	0.000	90	64086	2.00	1.91	
21 Iodomethane	142	3.556	3.556	0.000	100	139912	2.00	1.94	
22 Ethyl bromide	108	3.580	3.580	0.000	99	61398	2.00	1.88	
23 Carbon disulfide	76	3.659	3.659	0.000	100	193567	2.00	1.90	
24 Methyl acetate	43	3.794	3.794	0.000	75	23363	2.00	1.72	
26 3-Chloro-1-propene	41	3.818	3.818	0.000	89	117690	2.00	1.93	
27 Methylene Chloride	84	3.995	3.995	0.000	92	75109	2.00	1.94	
* 28 t-Butyl alcohol-d10 (IS)	65	3.989	3.989	0.000	96	77137	50.0	50.0	
29 2-Methyl-2-propanol	59	4.111	4.111	0.000	99	50526	40.0	36.6	
31 Acrylonitrile	53	4.324	4.324	0.000	95	30701	5.00	5.04	
32 Methyl tert-butyl ether	73	4.379	4.379	0.000	96	179688	2.00	1.95	
33 trans-1,2-Dichloroethene	96	4.391	4.391	0.000	98	77588	2.00	1.87	
34 Hexane	57	4.830	4.830	0.000	94	81655	2.00	1.81	
36 1,1-Dichloroethane	63	5.056	5.056	0.000	96	141100	2.00	1.91	
37 Isopropyl ether	45	5.123	5.123	0.000	95	237450	2.00	1.95	
38 2-Chloro-1,3-butadiene	53	5.171	5.171	0.000	93	127676	2.00	1.91	
40 Tert-butyl ethyl ether	59	5.659	5.659	0.000	98	229798	2.00	1.92	
41 2-Butanone (MEK)	43	5.872	5.872	0.000	100	164512	20.0	21.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.897	5.897	0.000	83	83892	2.00	1.80	
43 2,2-Dichloropropane	77	5.909	5.909	0.000	89	128858	2.00	1.88	
44 Propionitrile	54	5.958	5.958	0.000	99	73597	40.0	34.6	
S 46 1,2-Dichloroethene, Total	100				0			3.67	
47 Methacrylonitrile	67	6.171	6.171	0.000	91	165324	20.0	19.5	
48 Chlorobromomethane	128	6.238	6.238	0.000	95	36142	2.00	1.94	
49 Tetrahydrofuran	71	6.263	6.263	0.000	78	23233	10.0	9.49	
50 Chloroform	83	6.385	6.385	0.000	94	144654	2.00	1.90	
$ 52 Dibromofluoromethane (Surr)	113	6.604	6.604	0.000	94	445914	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.610	6.610	0.000	50	132836	2.00	1.86	
54 Cyclohexane	56	6.720	6.720	0.000	92	118477	2.00	1.83	
56 Carbon tetrachloride	117	6.830	6.830	0.000	94	114375	2.00	1.91	
55 1,1-Dichloropropene	75	6.836	6.836	0.000	91	108568	2.00	1.89	
57 Isobutyl alcohol	41	6.988	6.988	0.000	91	43149	100.0	98.7	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.061	7.061	0.000	81	83713	10.0	10.0	
59 Benzene	78	7.098	7.098	0.000	96	315674	2.00	1.89	
60 1,2-Dichloroethane	62	7.171	7.171	0.000	98	91322	2.00	1.88	
63 Tert-amyl methyl ether	73	7.299	7.299	0.000	97	196556	2.00	1.94	
* 64 Fluorobenzene (IS)	96	7.506	7.506	0.000	99	1746844	10.0	10.0	
65 n-Heptane	43	7.525	7.525	0.000	94	81488	2.00	1.83	
67 n-Butanol	56	7.896	7.896	0.000	90	55184	175.0	158.5	
68 Trichloroethene	95	7.994	7.994	0.000	97	87827	2.00	1.87	
69 Methylcyclohexane	83	8.305	8.305	0.000	91	116968	2.00	1.84	
70 1,2-Dichloropropane	63	8.329	8.329	0.000	94	80119	2.00	1.95	
71 2-ethoxy-2-methyl butane	87	8.342	8.342	0.000	94	126381	2.00	1.93	
72 Methyl methacrylate	69	8.421	8.421	0.000	90	33773	2.00	1.94	
73 1,4-Dioxane	88	8.427	8.427	0.000	31	5314	100.0	109.1	
74 Dibromomethane	93	8.439	8.439	0.000	94	39667	2.00	2.00	
76 Dichlorobromomethane	83	8.677	8.677	0.000	98	101988	2.00	1.87	
77 2-Nitropropane	41	8.939	8.939	0.000	99	62262	10.0	10.5	
79 1-Bromo-2-chloroethane	63	9.073	9.073	0.000	99	80483	2.00	2.00	
80 cis-1,3-Dichloropropene	75	9.238	9.238	0.000	94	123296	2.00	1.94	
82 4-Methyl-2-pentanone (MIBK)	43	9.421	9.421	0.000	97	431750	20.0	20.1	
$ 83 Toluene-d8 (Surr)	98	9.555	9.555	0.000	94	1748617	10.0	9.96	
84 Toluene	92	9.640	9.640	0.000	98	209943	2.00	1.91	
85 trans-1,3-Dichloropropene	75	9.902	9.902	0.000	96	102145	2.00	1.94	
104 Ethyl methacrylate	69	9.975	9.975	0.000	88	76587	2.00	1.96	
S 105 1,3-Dichloropropene, Total	100				0			3.88	
106 1,1,2-Trichloroethane	97	10.109	10.109	0.000	92	51528	2.00	1.87	
107 Tetrachloroethene	166	10.201	10.201	0.000	98	99577	2.00	1.90	
108 1,3-Dichloropropane	76	10.280	10.280	0.000	93	92167	2.00	1.95	
109 2-Hexanone	43	10.335	10.335	0.000	97	293326	20.0	20.5	
111 Chlorodibromomethane	129	10.500	10.500	0.000	90	71443	2.00	1.94	
112 Ethylene Dibromide	107	10.609	10.609	0.000	99	52137	2.00	1.96	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	86	1328211	10.0	10.0	
114 1-Chlorohexane	91	11.060	11.060	0.000	98	114661	2.00	1.83	
115 Chlorobenzene	112	11.073	11.073	0.000	95	228565	2.00	1.91	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	93	83742	2.00	1.92	
117 Ethylbenzene	91	11.164	11.164	0.000	99	406835	2.00	1.90	
S 118 Xylenes, Total	106				0			5.74	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	315441	4.00	3.82	
120 o-Xylene	106	11.615	11.615	0.000	97	155466	2.00	1.92	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.627	11.627	0.000	95	250467	2.00	1.91	
122 Bromoform	173	11.786	11.786	0.000	96	44849	2.00	1.93	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	375955	2.00	1.89	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	91	661555	10.0	10.1	
127 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	93	64343	2.00	1.86	
128 Bromobenzene	156	12.176	12.176	0.000	97	98259	2.00	1.91	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	94	179781	20.0	20.5	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	81	17806	2.00	1.93	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	463022	2.00	1.90	
132 2-Chlorotoluene	126	12.322	12.322	0.000	96	96650	2.00	1.89	
133 1,3,5-Trimethylbenzene	105	12.383	12.383	0.000	94	333908	2.00	1.89	
134 4-Chlorotoluene	126	12.420	12.420	0.000	98	99221	2.00	1.90	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	74192	2.00	1.84	
136 Pentachloroethane	167	12.658	12.658	0.000	92	64027	2.00	1.94	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	336157	2.00	1.88	
138 sec-Butylbenzene	105	12.792	12.792	0.000	95	399783	2.00	1.85	
139 1,3-Dichlorobenzene	146	12.889	12.889	0.000	98	187826	2.00	1.90	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	97	352439	2.00	1.86	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	755516	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	187339	2.00	1.88	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	99	148580	2.00	1.86	
144 Benzyl chloride	126	13.042	13.042	0.000	99	28669	2.00	1.99	
145 p-Diethylbenzene	119	13.176	13.176	0.000	94	203228	2.00	1.84	
146 n-Butylbenzene	92	13.194	13.194	0.000	98	158862	2.00	1.84	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	165991	2.00	1.87	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	86	8968	2.00	1.96	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	98	122993	2.00	1.85	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	94941	2.00	1.84	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	95	35341	2.00	1.77	
153 Naphthalene	128	14.499	14.499	0.000	97	153733	2.00	1.88	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	94	65209	2.00	1.78	
157 Pentane	43		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_00099	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00174	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00108	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00009	Amount Added:	5.00	Units: uL	Run Reagent

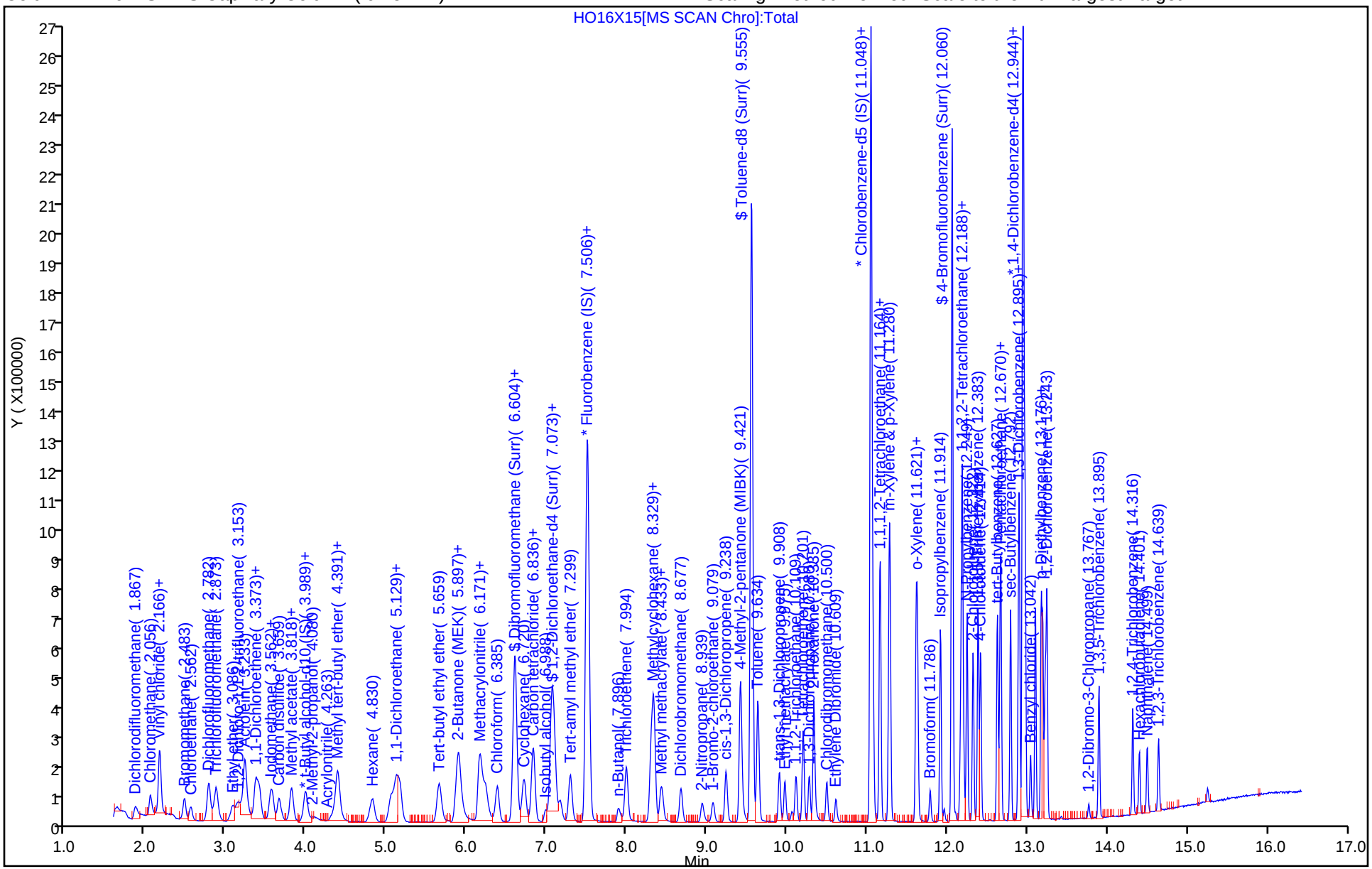
Report Date: 20-Oct-2023 13:25:17 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X15.D

Injection Date:	17-Oct-2023 08:43:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std4 2			Worklist Smp#:	16
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSV_19094_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: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

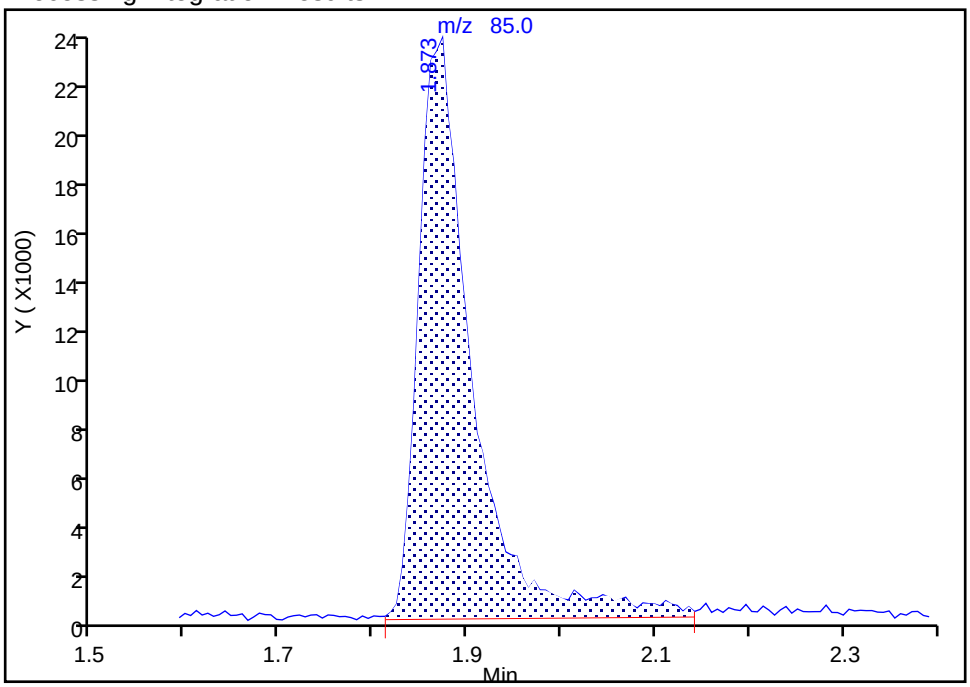
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X15.D				
Injection Date:	17-Oct-2023 08:43:30	Instrument ID:	19094		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

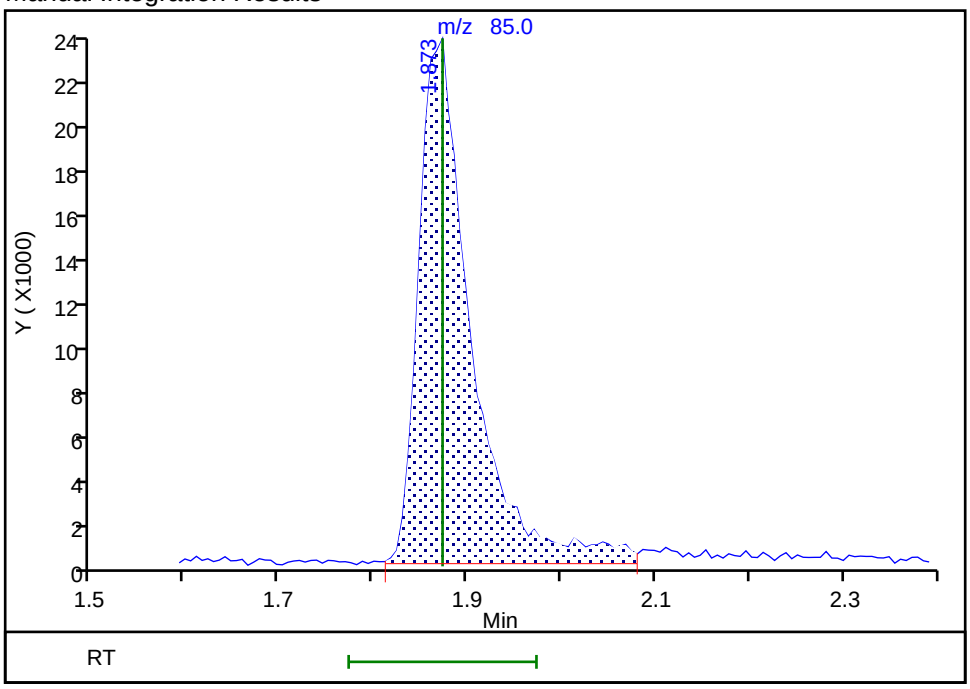
Processing Integration Results

RT: 1.87
Area: 91246
Amount: 1.762347
Amount Units: ug/l



Manual Integration Results

RT: 1.87
Area: 90377
Amount: 1.750607
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:35:29 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X16.D
Lims ID: IC std5 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Oct-2023 09:03:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-017
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:25:24 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 18-Oct-2023 08:37:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.873	1.873	0.000	99	269784	5.00	5.16	
5 Chloromethane	50	2.062	2.050	0.012	99	293765	5.00	5.12	
6 Vinyl chloride	62	2.172	2.166	0.006	98	282735	5.00	5.14	
7 Butadiene	39	2.178	2.172	0.006	93	292220	5.00	4.90	
9 Bromomethane	94	2.489	2.483	0.006	92	204743	5.00	5.23	
10 Chloroethane	64	2.562	2.562	0.000	99	163220	5.00	5.14	
11 Dichlorofluoromethane	67	2.788	2.782	0.006	97	452713	5.00	5.15	
12 Trichlorofluoromethane	101	2.861	2.849	0.012	97	346496	5.00	5.26	
14 Ethyl ether	59	3.080	3.080	0.000	92	143660	5.00	4.73	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.166	3.153	0.013	92	245902	5.00	5.20	
16 Acrolein	56	3.233	3.233	0.000	99	1041124	250.0	269.4	
17 1,1-Dichloroethene	96	3.373	3.367	0.006	98	181453	5.00	4.91	
19 Acetone	43	3.397	3.391	0.006	99	242560	50.0	50.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.422	3.416	0.006	92	184393	5.00	5.42	
21 Iodomethane	142	3.556	3.556	0.000	100	385400	5.00	5.28	
22 Ethyl bromide	108	3.586	3.580	0.006	99	172221	5.00	5.21	
23 Carbon disulfide	76	3.666	3.659	0.007	100	540550	5.00	5.25	
24 Methyl acetate	43	3.806	3.794	0.012	97	69702	5.00	5.01	
26 3-Chloro-1-propene	41	3.824	3.818	0.006	88	318387	5.00	5.15	
* 28 t-Butyl alcohol-d10 (IS)	65	4.001	3.989	0.012	98	78879	50.0	50.0	
27 Methylene Chloride	84	4.001	3.995	0.006	93	200041	5.00	5.10	
29 2-Methyl-2-propanol	59	4.117	4.111	0.006	100	130999	100.0	92.7	
31 Acrylonitrile	53	4.318	4.324	-0.006	96	83924	12.5	13.5	
32 Methyl tert-butyl ether	73	4.391	4.379	0.012	91	481655	5.00	5.17	
33 trans-1,2-Dichloroethene	96	4.397	4.391	0.006	98	208242	5.00	4.96	
34 Hexane	57	4.830	4.830	0.000	94	238153	5.00	5.23	
36 1,1-Dichloroethane	63	5.056	5.056	0.000	96	394881	5.00	5.28	
37 Isopropyl ether	45	5.123	5.123	0.000	94	653775	5.00	5.31	
38 2-Chloro-1,3-butadiene	53	5.172	5.171	0.001	93	354098	5.00	5.24	
40 Tert-butyl ethyl ether	59	5.665	5.659	0.006	98	623332	5.00	5.14	
41 2-Butanone (MEK)	43	5.873	5.872	0.001	100	416096	50.0	53.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.897	5.897	0.000	83	237306	5.00	5.04	
43 2,2-Dichloropropane	77	5.915	5.909	0.006	89	363968	5.00	5.25	
44 Propionitrile	54	5.952	5.958	-0.006	99	221902	100.0	102.1	
S 46 1,2-Dichloroethene, Total	100				0			10.0	
47 Methacrylonitrile	67	6.177	6.171	0.006	91	460779	50.0	53.1	
48 Chlorobromomethane	128	6.238	6.238	0.000	90	99299	5.00	5.28	
49 Tetrahydrofuran	71	6.275	6.263	0.012	74	62153	25.0	24.8	
50 Chloroform	83	6.391	6.385	0.006	94	401062	5.00	5.21	
$ 52 Dibromofluoromethane (Surr)	113	6.610	6.604	0.006	93	446285	10.0	9.96	
53 1,1,1-Trichloroethane	97	6.616	6.610	0.006	98	363673	5.00	5.04	
54 Cyclohexane	56	6.720	6.720	0.000	92	322054	5.00	4.91	
56 Carbon tetrachloride	117	6.836	6.830	0.006	95	322102	5.00	5.33	
55 1,1-Dichloropropene	75	6.836	6.836	0.000	92	305524	5.00	5.26	
57 Isobutyl alcohol	41	6.994	6.988	0.006	93	118894	250.0	265.9	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.067	7.061	0.006	96	84004	10.0	9.95	
59 Benzene	78	7.098	7.098	0.000	97	884849	5.00	5.25	
60 1,2-Dichloroethane	62	7.171	7.171	0.000	98	252595	5.00	5.14	
63 Tert-amyl methyl ether	73	7.299	7.299	0.000	98	540680	5.00	5.26	
* 64 Fluorobenzene (IS)	96	7.513	7.506	0.007	98	1767939	10.0	10.0	
65 n-Heptane	43	7.525	7.525	0.000	92	226574	5.00	5.04	
67 n-Butanol	56	7.890	7.896	-0.006	90	157550	437.5	442.5	
68 Trichloroethene	95	7.994	7.994	0.000	97	241889	5.00	5.08	
69 Methylcyclohexane	83	8.305	8.305	0.000	91	332915	5.00	5.16	
70 1,2-Dichloropropane	63	8.329	8.329	0.000	93	219159	5.00	5.28	
71 2-ethoxy-2-methyl butane	87	8.342	8.342	0.000	93	350008	5.00	5.28	
72 Methyl methacrylate	69	8.421	8.421	0.000	89	91782	5.00	5.15	
73 1,4-Dioxane	88	8.439	8.427	0.012	30	14378	250.0	253.6	
74 Dibromomethane	93	8.439	8.439	0.000	94	108172	5.00	5.38	
76 Dichlorobromomethane	83	8.677	8.677	0.000	99	283768	5.00	5.13	
77 2-Nitropropane	41	8.945	8.939	0.006	99	164849	25.0	27.3	
79 1-Bromo-2-chloroethane	63	9.079	9.073	0.006	99	212267	5.00	5.21	
80 cis-1,3-Dichloropropene	75	9.238	9.238	0.000	94	344128	5.00	5.35	
82 4-Methyl-2-pentanone (MIBK)	43	9.421	9.421	0.000	97	1161884	50.0	52.8	
$ 83 Toluene-d8 (Surr)	98	9.561	9.555	0.006	94	1774999	10.0	10.1	
84 Toluene	92	9.640	9.640	0.000	98	579879	5.00	5.27	
85 trans-1,3-Dichloropropene	75	9.902	9.902	0.000	96	280170	5.00	5.29	
104 Ethyl methacrylate	69	9.975	9.975	0.000	88	213843	5.00	5.44	
S 105 1,3-Dichloropropene, Total	100				0			10.6	
106 1,1,2-Trichloroethane	97	10.116	10.109	0.007	92	146211	5.00	5.27	
107 Tetrachloroethene	166	10.201	10.201	0.000	98	279523	5.00	5.31	
108 1,3-Dichloropropane	76	10.280	10.280	0.000	92	252396	5.00	5.31	
109 2-Hexanone	43	10.335	10.335	0.000	97	796852	50.0	54.4	
111 Chlorodibromomethane	129	10.500	10.500	0.000	90	197684	5.00	5.35	
112 Ethylene Dibromide	107	10.609	10.609	0.000	99	143307	5.00	5.36	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1333491	10.0	10.0	
114 1-Chlorohexane	91	11.061	11.060	0.001	98	318107	5.00	5.06	
115 Chlorobenzene	112	11.073	11.073	0.000	94	637795	5.00	5.31	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	95	234270	5.00	5.36	
117 Ethylbenzene	91	11.164	11.164	0.000	99	1143402	5.00	5.33	
S 118 Xylenes, Total	106				0			16.2	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	896495	10.0	10.8	
120 o-Xylene	106	11.609	11.615	-0.006	97	434748	5.00	5.35	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.628	11.627	0.001	95	709117	5.00	5.40	
122 Bromoform	173	11.786	11.786	0.000	97	121808	5.00	5.23	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	1070240	5.00	5.37	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	92	659508	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	93	174174	5.00	5.05	
128 Bromobenzene	156	12.176	12.176	0.000	97	273415	5.00	5.32	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	94	486532	50.0	54.2	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	82	47572	5.00	5.16	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	1325546	5.00	5.44	
132 2-Chlorotoluene	126	12.323	12.322	0.001	96	273969	5.00	5.37	
133 1,3,5-Trimethylbenzene	105	12.384	12.383	0.001	95	942099	5.00	5.34	
134 4-Chlorotoluene	126	12.414	12.420	-0.006	98	282160	5.00	5.41	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	209234	5.00	5.19	
136 Pentachloroethane	167	12.658	12.658	0.000	92	179069	5.00	5.45	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	959866	5.00	5.38	
138 sec-Butylbenzene	105	12.792	12.792	0.000	94	1147529	5.00	5.34	
139 1,3-Dichlorobenzene	146	12.890	12.889	0.001	98	531270	5.00	5.39	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	97	1018163	5.00	5.38	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	753615	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	94	527414	5.00	5.31	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	99	420731	5.00	5.28	
144 Benzyl chloride	126	13.042	13.042	0.000	99	77368	5.00	5.37	
145 p-Diethylbenzene	119	13.170	13.176	-0.006	95	600726	5.00	5.46	
146 n-Butylbenzene	92	13.194	13.194	0.000	98	466594	5.00	5.43	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	476507	5.00	5.39	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	87	25588	5.00	5.61	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	97	364821	5.00	5.49	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	287606	5.00	5.60	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	96	107924	5.00	5.42	
153 Naphthalene	128	14.493	14.499	-0.006	97	447944	5.00	5.49	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	203417	5.00	5.57	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

MSV_LL_#1_826_00099	Amount Added:	5.00	Units: uL	
MSV_LL_GAS826_00174	Amount Added:	5.00	Units: uL	
MSV_LL_#2_826_00108	Amount Added:	5.00	Units: uL	
MSV_LLcentISS_00009	Amount Added:	5.00	Units: uL	Run Reagent

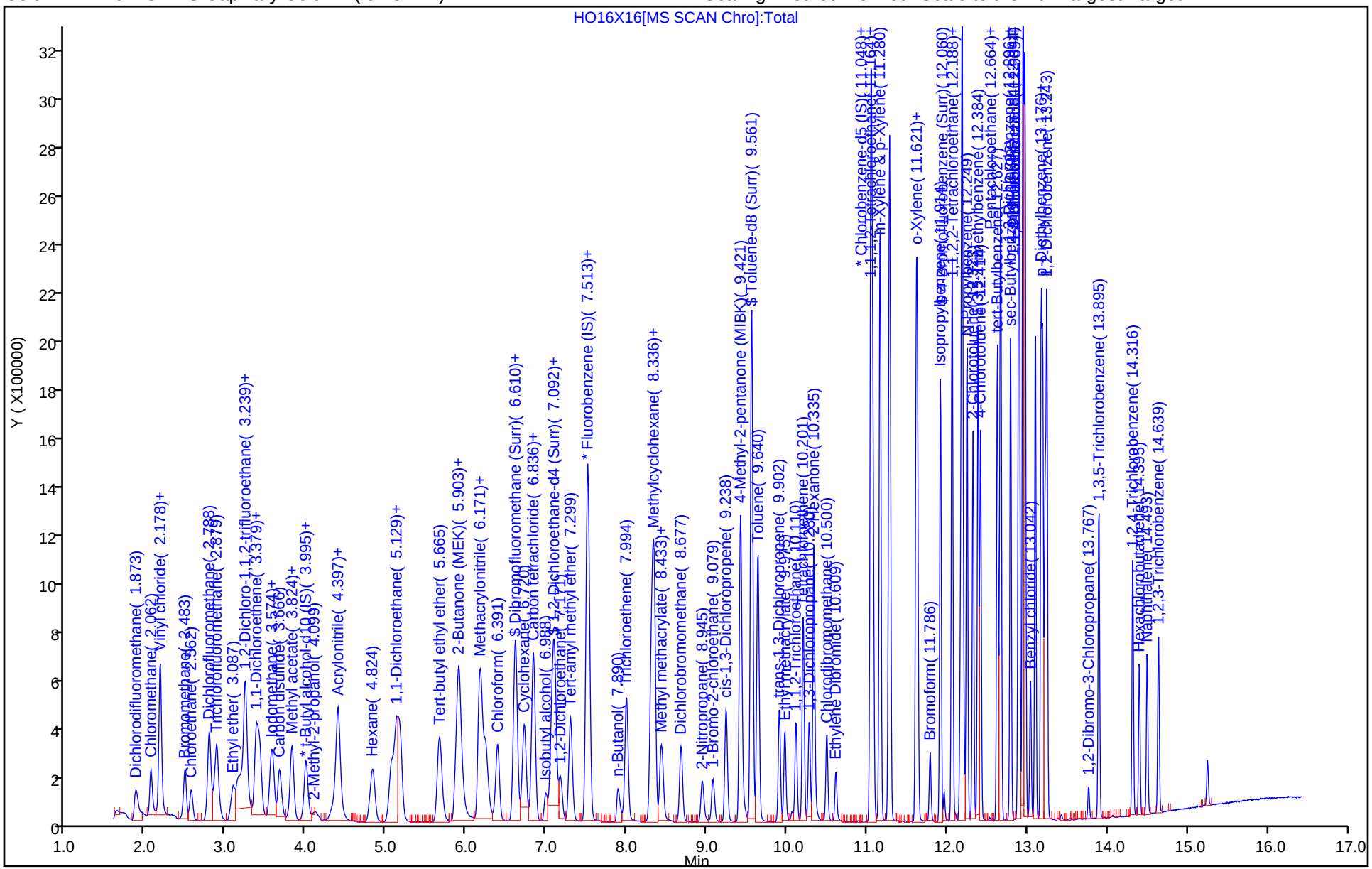
Report Date: 20-Oct-2023 13:25:25 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X16.D

Injection Date:	17-Oct-2023 09:03:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std5 5			Worklist Smp#:	17
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSV_19094_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: 2



05/10/2024

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X17.D
Lims ID: ICIS 10
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 17-Oct-2023 09:23:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-018
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:25:59 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 12:22:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.873	1.873	0.000	99	507209	10.0	9.58	M
5 Chloromethane	50	2.056	2.056	0.000	99	564233	10.0	9.71	
6 Vinyl chloride	62	2.172	2.172	0.000	98	553589	10.0	9.93	
7 Butadiene	39	2.178	2.178	0.000	93	560540	10.0	9.27	
9 Bromomethane	94	2.483	2.483	0.000	92	401381	10.0	10.1	
10 Chloroethane	64	2.562	2.562	0.000	100	325286	10.0	10.1	
11 Dichlorofluoromethane	67	2.788	2.788	0.000	97	884888	10.0	9.95	
12 Trichlorofluoromethane	101	2.855	2.855	0.000	98	673647	10.0	10.1	
14 Ethyl ether	59	3.080	3.080	0.000	91	280429	10.0	9.11	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.160	3.160	0.000	93	481778	10.0	10.1	
16 Acrolein	56	3.239	3.239	0.000	99	2058814	500.0	500.5	
17 1,1-Dichloroethene	96	3.373	3.373	0.000	98	351395	10.0	9.39	
19 Acetone	43	3.391	3.391	0.000	99	481459	100.0	94.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.416	3.416	0.000	92	360550	10.0	10.5	
21 Iodomethane	142	3.556	3.556	0.000	100	758656	10.0	10.3	
22 Ethyl bromide	108	3.580	3.580	0.000	99	333791	10.0	9.96	
23 Carbon disulfide	76	3.666	3.666	0.000	100	1064212	10.0	10.2	
24 Methyl acetate	43	3.800	3.800	0.000	97	145164	10.0	9.80	M
26 3-Chloro-1-propene	41	3.818	3.818	0.000	89	627191	10.0	10.0	
* 28 t-Butyl alcohol-d10 (IS)	65	3.995	3.995	0.000	98	83963	50.0	50.0	
27 Methylene Chloride	84	3.995	3.995	0.000	93	389393	10.0	9.80	
29 2-Methyl-2-propanol	59	4.111	4.111	0.000	99	270754	200.0	180.0	M
31 Acrylonitrile	53	4.312	4.312	0.000	99	168087	25.0	25.3	
32 Methyl tert-butyl ether	73	4.391	4.391	0.000	97	936741	10.0	9.93	
33 trans-1,2-Dichloroethene	96	4.397	4.397	0.000	98	415667	10.0	9.77	
34 Hexane	57	4.824	4.824	0.000	94	468454	10.0	10.2	
36 1,1-Dichloroethane	63	5.056	5.056	0.000	96	771595	10.0	10.2	
37 Isopropyl ether	45	5.123	5.123	0.000	93	1265608	10.0	10.1	
38 2-Chloro-1,3-butadiene	53	5.172	5.172	0.000	93	693459	10.0	10.1	
40 Tert-butyl ethyl ether	59	5.665	5.665	0.000	98	1210160	10.0	9.86	
41 2-Butanone (MEK)	43	5.873	5.873	0.000	100	858081	100.0	103.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.897	5.897	0.000	84	463373	10.0	9.71	
43 2,2-Dichloropropane	77	5.909	5.909	0.000	89	700054	10.0	9.97	
44 Propionitrile	54	5.952	5.952	0.000	99	453768	200.0	196.1	
47 Methacrylonitrile	67	6.171	6.171	0.000	92	896260	100.0	97.0	
48 Chlorobromomethane	128	6.232	6.232	0.000	93	197344	10.0	10.4	
49 Tetrahydrofuran	71	6.257	6.257	0.000	77	119685	50.0	44.9	
50 Chloroform	83	6.385	6.385	0.000	94	777655	10.0	9.97	
$ 52 Dibromofluoromethane (Surr)	113	6.604	6.604	0.000	94	452725	10.0	9.98	
53 1,1,1-Trichloroethane	97	6.616	6.616	0.000	99	713756	10.0	9.76	
54 Cyclohexane	56	6.720	6.720	0.000	91	627140	10.0	9.45	
56 Carbon tetrachloride	117	6.830	6.830	0.000	93	630044	10.0	10.3	
55 1,1-Dichloropropene	75	6.836	6.836	0.000	95	603402	10.0	10.2	
57 Isobutyl alcohol	41	6.988	6.988	0.000	93	243164	500.0	510.9	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.061	7.061	0.000	82	86260	10.0	10.1	
59 Benzene	78	7.098	7.098	0.000	97	1739533	10.0	10.2	
60 1,2-Dichloroethane	62	7.171	7.171	0.000	98	495374	10.0	9.95	
63 Tert-amyl methyl ether	73	7.299	7.299	0.000	97	1049210	10.0	10.1	
* 64 Fluorobenzene (IS)	96	7.513	7.513	0.000	97	1790766	10.0	10.0	
65 n-Heptane	43	7.525	7.525	0.000	92	457520	10.0	10.0	a
67 n-Butanol	56	7.891	7.891	0.000	90	322813	875.0	851.8	
68 Trichloroethene	95	8.000	8.000	0.000	98	477276	10.0	9.90	
69 Methylcyclohexane	83	8.305	8.305	0.000	91	655108	10.0	10.0	
70 1,2-Dichloropropane	63	8.329	8.329	0.000	84	434187	10.0	10.3	
71 2-ethoxy-2-methyl butane	87	8.342	8.342	0.000	92	684492	10.0	10.2	
72 Methyl methacrylate	69	8.421	8.421	0.000	89	186286	10.0	9.82	
73 1,4-Dioxane	88	8.433	8.433	0.000	31	32606	500.0	516.1	M
74 Dibromomethane	93	8.439	8.439	0.000	95	212223	10.0	10.4	
76 Dichlorobromomethane	83	8.677	8.677	0.000	99	565218	10.0	10.1	
77 2-Nitropropane	41	8.939	8.939	0.000	99	327671	50.0	50.9	
79 1-Bromo-2-chloroethane	63	9.073	9.073	0.000	99	420542	10.0	10.2	
80 cis-1,3-Dichloropropene	75	9.238	9.238	0.000	94	675489	10.0	10.4	
82 4-Methyl-2-pentanone (MIBK)	43	9.421	9.421	0.000	97	2303046	100.0	98.4	
$ 83 Toluene-d8 (Surr)	98	9.561	9.561	0.000	94	1796445	10.0	10.0	
84 Toluene	92	9.640	9.640	0.000	98	1142311	10.0	10.2	
85 trans-1,3-Dichloropropene	75	9.902	9.902	0.000	96	557232	10.0	10.3	
104 Ethyl methacrylate	69	9.975	9.975	0.000	88	421239	10.0	10.5	
106 1,1,2-Trichloroethane	97	10.116	10.116	0.000	92	282069	10.0	9.98	
107 Tetrachloroethene	166	10.201	10.201	0.000	98	546346	10.0	10.2	
108 1,3-Dichloropropane	76	10.280	10.280	0.000	91	495565	10.0	10.2	
109 2-Hexanone	43	10.335	10.335	0.000	97	1568973	100.0	100.7	
111 Chlorodibromomethane	129	10.500	10.500	0.000	90	391692	10.0	10.4	
112 Ethylene Dibromide	107	10.609	10.609	0.000	99	281663	10.0	10.3	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1358954	10.0	10.0	
114 1-Chlorohexane	91	11.061	11.061	0.000	98	622571	10.0	9.71	
115 Chlorobenzene	112	11.073	11.073	0.000	95	1251390	10.0	10.2	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	95	459904	10.0	10.3	
117 Ethylbenzene	91	11.164	11.164	0.000	99	2242763	10.0	10.3	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	1757894	20.0	20.8	
120 o-Xylene	106	11.609	11.609	0.000	97	858645	10.0	10.4	
121 Styrene	104	11.628	11.628	0.000	95	1399608	10.0	10.5	
122 Bromoform	173	11.786	11.786	0.000	97	243995	10.0	10.3	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	2111260	10.0	10.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	92	670074	10.0	9.96	
127 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	93	348020	10.0	9.83	
128 Bromobenzene	156	12.176	12.176	0.000	97	536338	10.0	10.2	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	94	974662	100.0	102.0	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	81	93674	10.0	9.90	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	2617024	10.0	10.5	
132 2-Chlorotoluene	126	12.323	12.323	0.000	96	540390	10.0	10.3	
133 1,3,5-Trimethylbenzene	105	12.384	12.384	0.000	94	1866045	10.0	10.3	
134 4-Chlorotoluene	126	12.414	12.414	0.000	98	557795	10.0	10.4	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	416802	10.0	10.1	
136 Pentachloroethane	167	12.658	12.658	0.000	92	356890	10.0	10.6	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	1895362	10.0	10.3	
138 sec-Butylbenzene	105	12.792	12.792	0.000	94	2295397	10.0	10.4	
139 1,3-Dichlorobenzene	146	12.890	12.890	0.000	98	1050300	10.0	10.4	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	97	2039325	10.0	10.5	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	773685	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	93	1044640	10.0	10.2	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	99	830627	10.0	10.2	
144 Benzyl chloride	126	13.042	13.042	0.000	99	155081	10.0	10.5	
145 p-Diethylbenzene	119	13.170	13.170	0.000	96	1202568	10.0	10.7	
146 n-Butylbenzene	92	13.194	13.194	0.000	98	938789	10.0	10.6	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	938103	10.0	10.3	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	86	52436	10.0	11.2	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	97	736563	10.0	10.8	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	599055	10.0	11.4	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	95	213022	10.0	10.4	
153 Naphthalene	128	14.493	14.493	0.000	97	946293	10.0	11.3	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	443087	10.0	11.8	
157 Pentane	43		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_00099	Amount Added:	10.00	Units: uL	
MSV_LL_GAS826_00174	Amount Added:	10.00	Units: uL	
MSV_LL_#2_826_00108	Amount Added:	10.00	Units: uL	
MSV_LLcentISS_00009	Amount Added:	5.00	Units: uL	Run Reagent

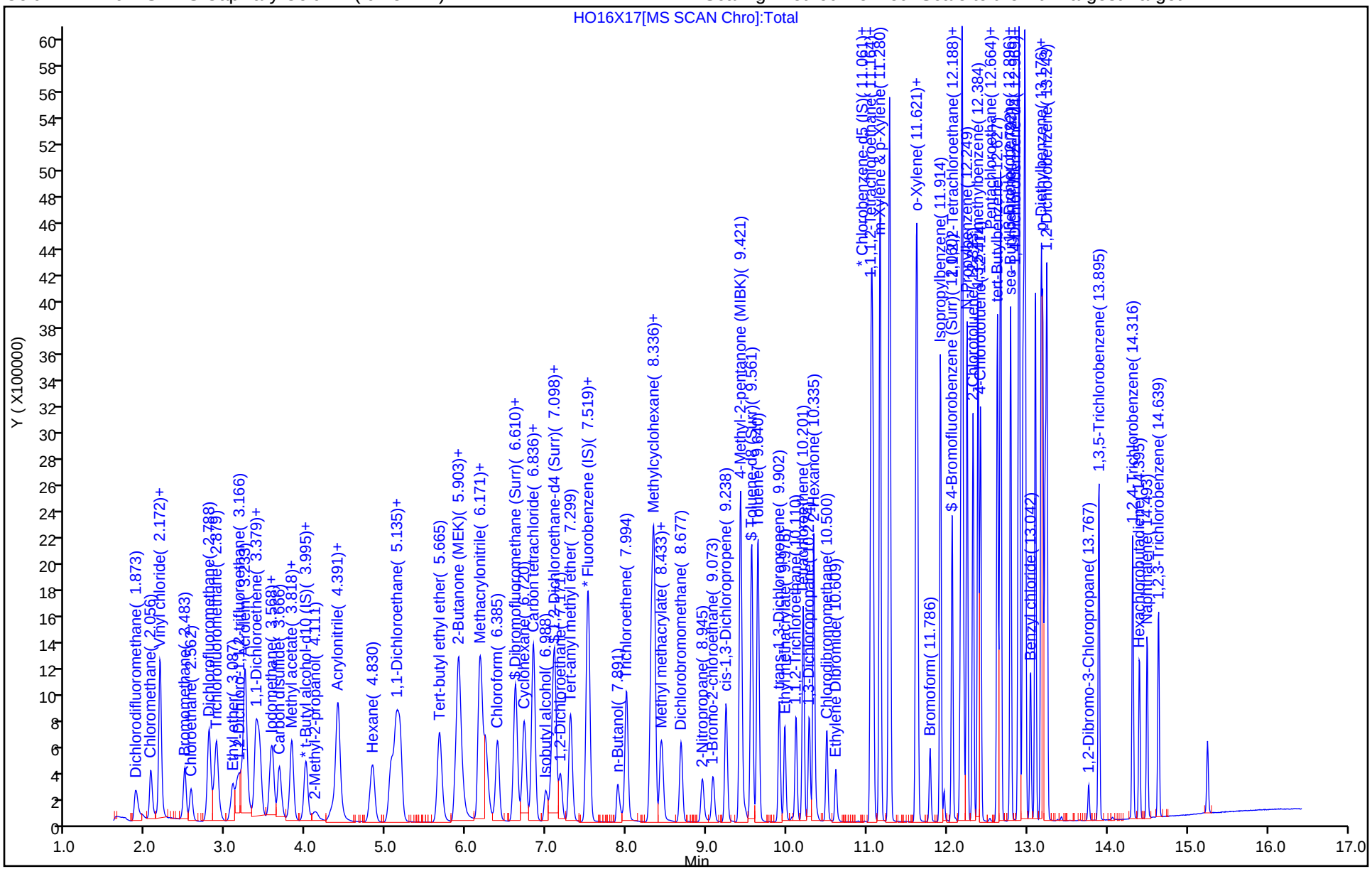
Report Date: 20-Oct-2023 13:26:00 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X17.D

Injection Date:	17-Oct-2023 09:23:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	ICIS 10			Worklist Smp#:	18
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSV_19094_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: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

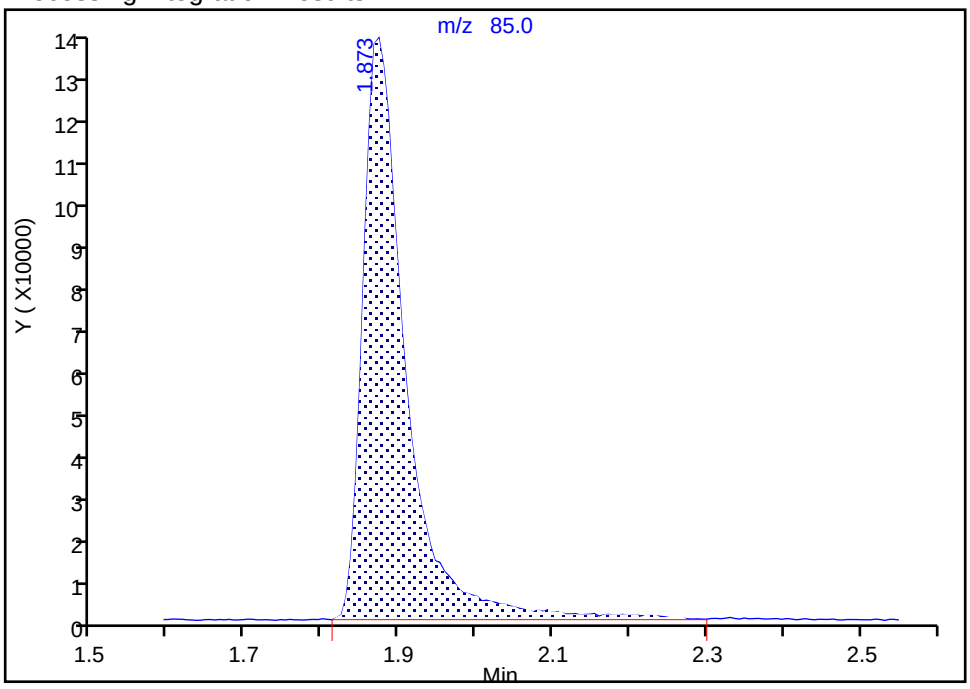
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X17.D				
Injection Date:	17-Oct-2023 09:23:30	Instrument ID:	19094		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

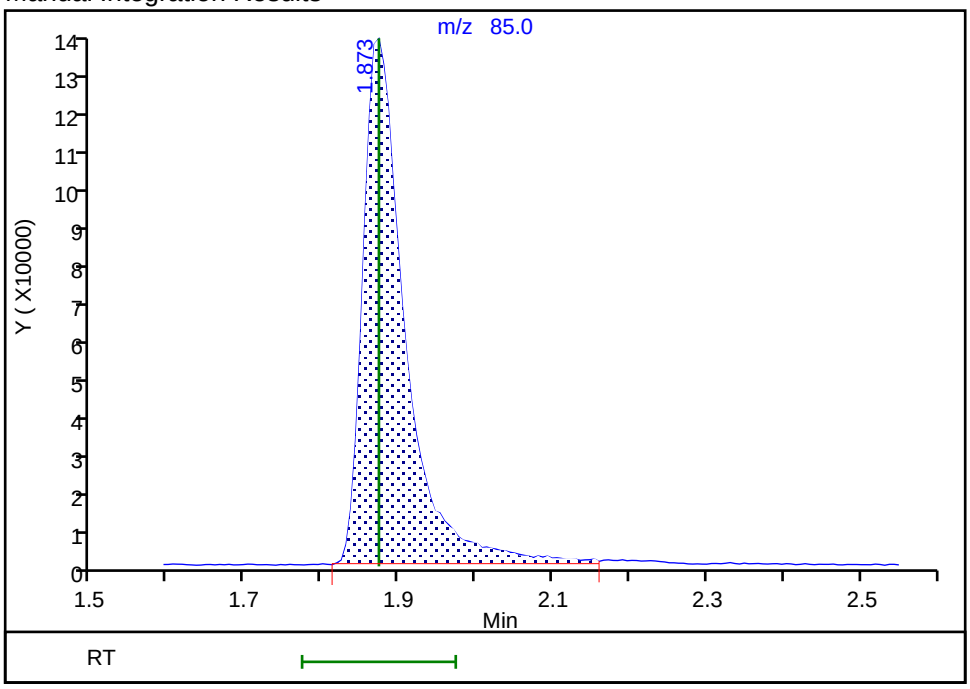
Processing Integration Results

RT: 1.87
Area: 513458
Amount: 9.728042
Amount Units: ug/l



Manual Integration Results

RT: 1.87
Area: 507209
Amount: 9.583692
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:38:15 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

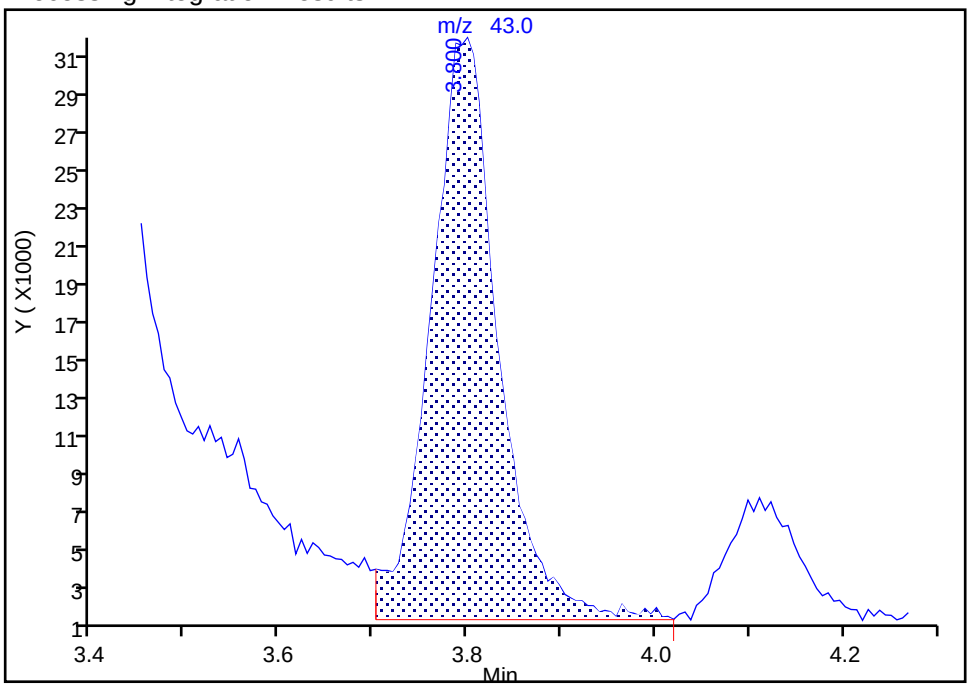
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X17.D				
Injection Date:	17-Oct-2023 09:23:30	Instrument ID:	19094		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

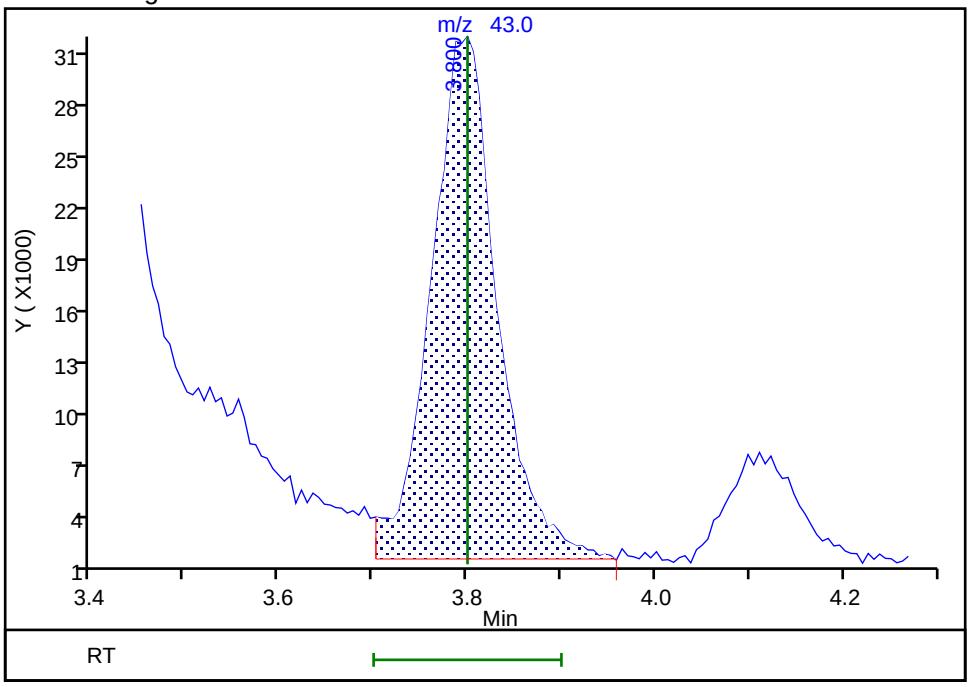
Processing Integration Results

RT: 3.80
Area: 148458
Amount: 11.397217
Amount Units: ug/l



Manual Integration Results

RT: 3.80
Area: 145164
Amount: 9.800128
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:20:30 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

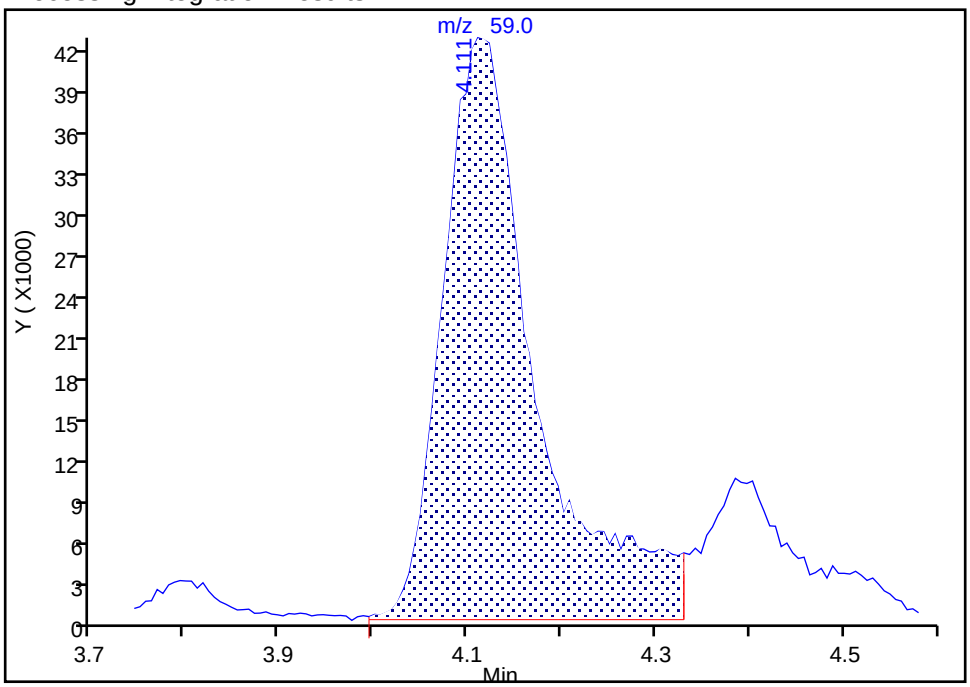
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X17.D				
Injection Date:	17-Oct-2023 09:23:30	Instrument ID:	19094		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

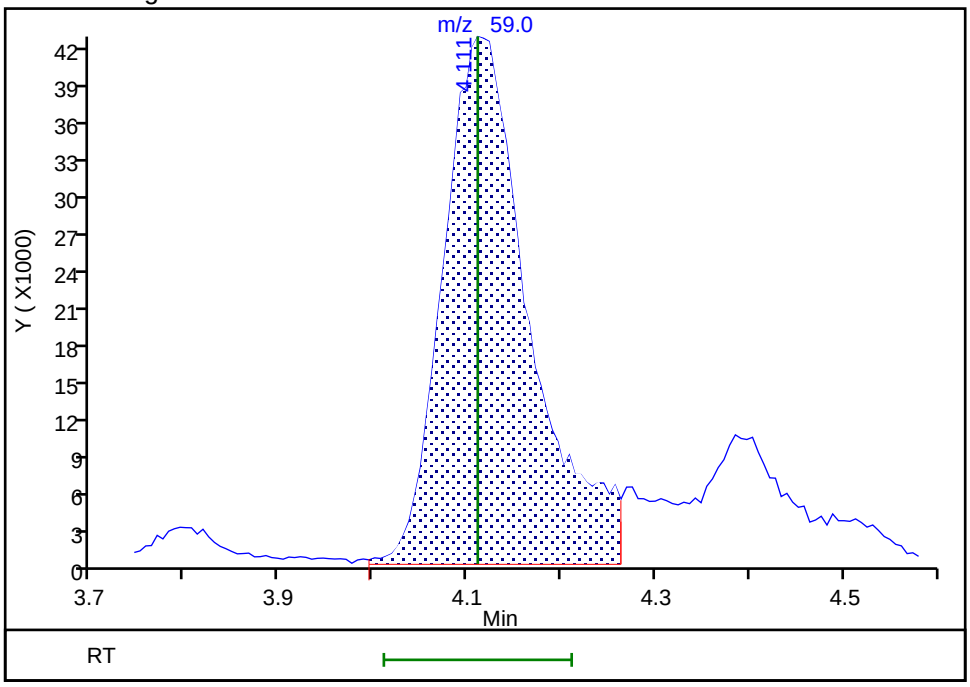
Processing Integration Results

RT: 4.11
Area: 291689
Amount: 213.6053
Amount Units: ug/l



Manual Integration Results

RT: 4.11
Area: 270754
Amount: 179.9718
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:20:50 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

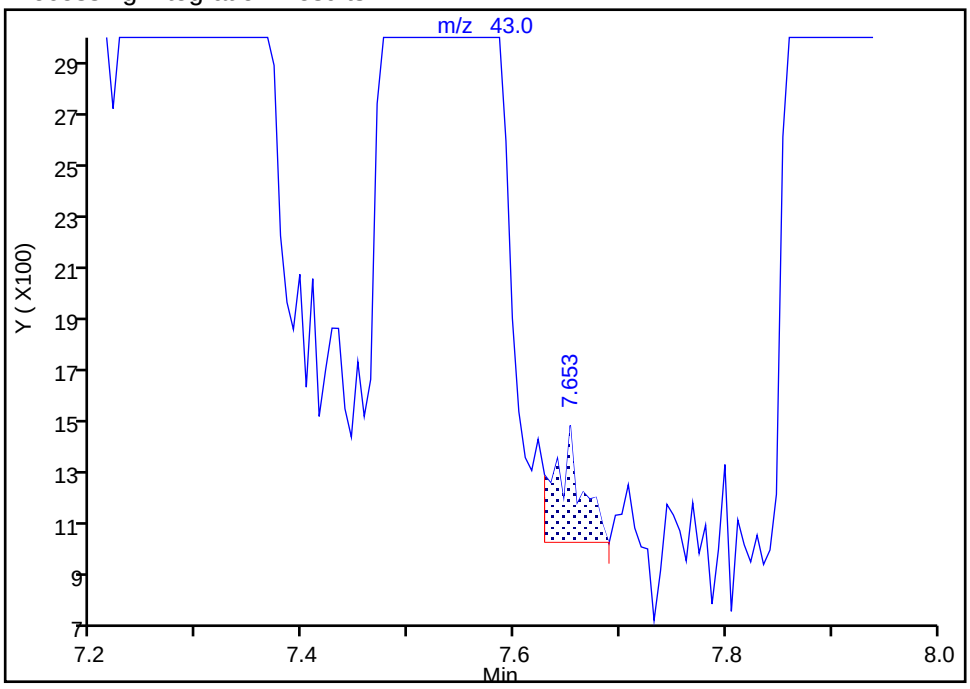
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X17.D				
Injection Date:	17-Oct-2023 09:23:30	Instrument ID:	19094		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 n-Heptane, CAS: 142-82-5

Signal: 1

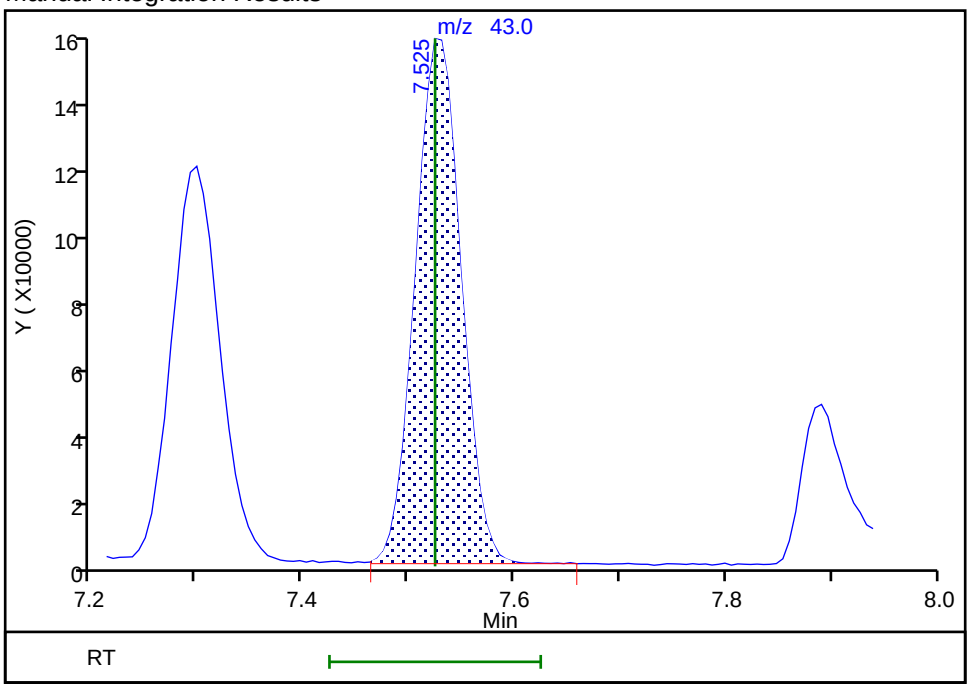
Processing Integration Results

RT: 7.65
Area: 810
Amount: 0.115377
Amount Units: ug/l



Manual Integration Results

RT: 7.52
Area: 457520
Amount: 10.043283
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:21:28 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

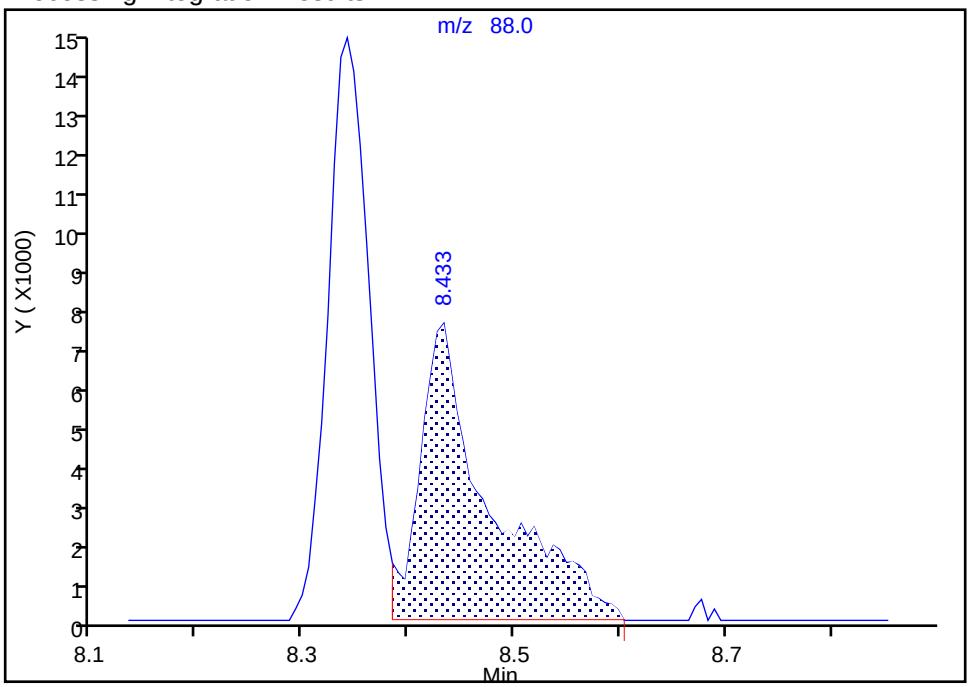
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X17.D				
Injection Date:	17-Oct-2023 09:23:30	Instrument ID:	19094		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit 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

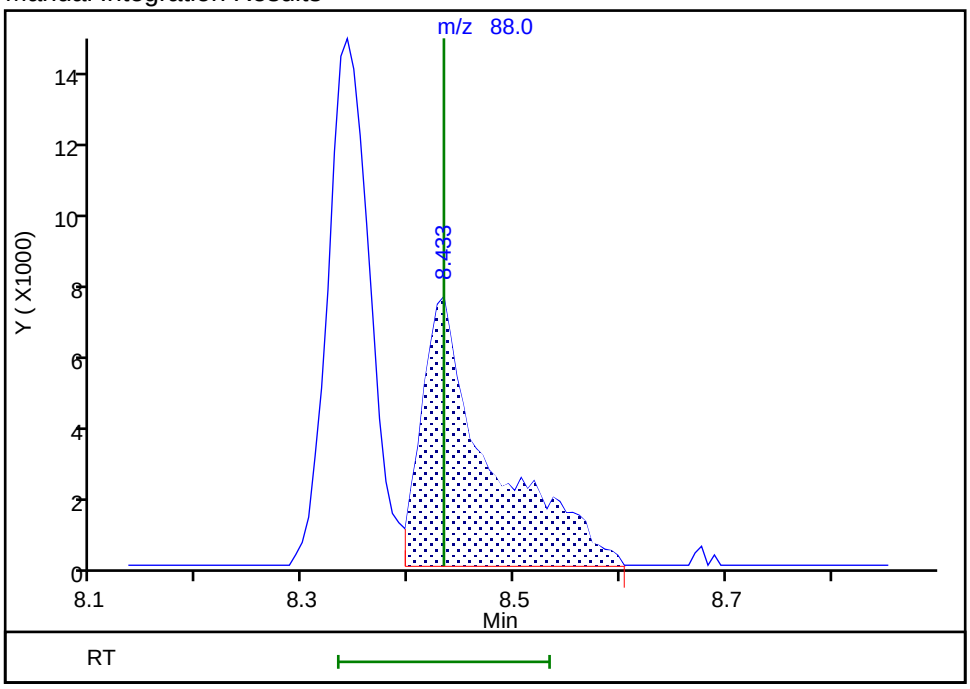
Processing Integration Results

RT: 8.43
Area: 33537
Amount: 538.6950
Amount Units: ug/l



Manual Integration Results

RT: 8.43
Area: 32606
Amount: 516.1190
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:21:43 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D
Lims ID: IC std7 25
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Oct-2023 09:43:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-019
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:26:14 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 18-Oct-2023 08:40:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.867	1.873	-0.006	99	1289612	25.0	23.3	
5 Chloromethane	50	2.056	2.056	0.000	99	1437851	25.0	23.6	
6 Vinyl chloride	62	2.160	2.172	-0.012	98	1388317	25.0	23.8	
7 Butadiene	39	2.166	2.178	-0.012	93	1381584	25.0	21.8	
9 Bromomethane	94	2.477	2.483	-0.006	92	1004257	25.0	24.2	
10 Chloroethane	64	2.556	2.562	-0.006	100	814435	25.0	24.2	
11 Dichlorofluoromethane	67	2.782	2.788	-0.006	97	2242569	25.0	24.1	
12 Trichlorofluoromethane	101	2.849	2.855	-0.006	98	1691810	25.0	24.2	
14 Ethyl ether	59	3.074	3.080	-0.006	92	696272	25.0	21.6	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.154	3.160	-0.006	96	1219424	25.0	24.3	
16 Acrolein	56	3.227	3.239	-0.012	99	5421811	1250.0	1180.8	
17 1,1-Dichloroethene	96	3.367	3.373	-0.006	98	906570	25.0	23.1	
19 Acetone	43	3.385	3.391	-0.006	99	1297197	250.0	228.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.410	3.416	-0.006	92	929807	25.0	25.8	
21 Iodomethane	142	3.550	3.556	-0.006	99	1943225	25.0	25.1	
22 Ethyl bromide	108	3.574	3.580	-0.006	99	841362	25.0	24.0	
23 Carbon disulfide	76	3.660	3.666	-0.006	100	2705357	25.0	24.8	
24 Methyl acetate	43	3.781	3.800	-0.019	97	380982	25.0	23.0	
26 3-Chloro-1-propene	41	3.812	3.818	-0.006	89	1589573	25.0	24.2	
* 28 t-Butyl alcohol-d10 (IS)	65	3.983	3.995	-0.012	98	93724	50.0	50.0	
27 Methylene Chloride	84	3.989	3.995	-0.006	92	995462	25.0	23.9	
29 2-Methyl-2-propanol	59	4.105	4.111	-0.006	99	719241	500.0	428.3	
31 Acrylonitrile	53	4.300	4.312	-0.012	98	453076	62.5	61.2	
32 Methyl tert-butyl ether	73	4.379	4.391	-0.012	96	2413997	25.0	24.4	
33 trans-1,2-Dichloroethene	96	4.391	4.397	-0.006	99	1043791	25.0	23.4	
34 Hexane	57	4.818	4.824	-0.006	94	1202233	25.0	24.9	
36 1,1-Dichloroethane	63	5.050	5.056	-0.006	96	1950616	25.0	24.6	
37 Isopropyl ether	45	5.117	5.123	-0.006	93	3220831	25.0	24.7	
38 2-Chloro-1,3-butadiene	53	5.159	5.172	-0.013	93	1743566	25.0	24.3	
40 Tert-butyl ethyl ether	59	5.659	5.665	-0.006	98	3058176	25.0	23.8	
41 2-Butanone (MEK)	43	5.866	5.873	-0.007	100	2291803	250.0	247.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.891	5.897	-0.006	86	1185422	25.0	23.7	
43 2,2-Dichloropropane	77	5.909	5.909	0.000	89	1767722	25.0	24.0	
44 Propionitrile	54	5.940	5.952	-0.012	98	1242528	500.0	481.0	
S 46 1,2-Dichloroethene, Total	100				0			47.2	
47 Methacrylonitrile	67	6.171	6.171	0.000	91	2383156	250.0	231.1	
48 Chlorobromomethane	128	6.226	6.232	-0.006	88	505069	25.0	25.3	
49 Tetrahydrofuran	71	6.257	6.257	0.000	78	324154	125.0	109.0	
50 Chloroform	83	6.385	6.385	0.000	94	1993721	25.0	24.4	
$ 52 Dibromofluoromethane (Surr)	113	6.598	6.604	-0.006	93	473178	10.0	9.96	
53 1,1,1-Trichloroethane	97	6.610	6.616	-0.006	99	1801496	25.0	23.5	
54 Cyclohexane	56	6.714	6.720	-0.006	91	1631813	25.0	23.5	
56 Carbon tetrachloride	117	6.830	6.830	0.000	95	1603652	25.0	25.0	
55 1,1-Dichloropropene	75	6.830	6.836	-0.006	95	1524924	25.0	24.7	
57 Isobutyl alcohol	41	6.988	6.988	0.000	93	665662	1250.0	1252.9	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.061	7.061	0.000	96	90407	10.0	10.1	
59 Benzene	78	7.098	7.098	0.000	97	4441888	25.0	24.8	
60 1,2-Dichloroethane	62	7.165	7.171	-0.006	98	1256931	25.0	24.1	
63 Tert-amyl methyl ether	73	7.299	7.299	0.000	98	2716526	25.0	24.9	
* 64 Fluorobenzene (IS)	96	7.506	7.513	-0.007	99	1875183	10.0	10.0	
65 n-Heptane	43	7.525	7.525	0.000	92	1183220	25.0	24.8	
67 n-Butanol	56	7.884	7.891	-0.006	90	833677	2187.5	1970.8	
68 Trichloroethene	95	7.994	8.000	-0.006	97	1225963	25.0	24.3	
69 Methylcyclohexane	83	8.305	8.305	0.000	91	1699819	25.0	24.9	
70 1,2-Dichloropropane	63	8.323	8.329	-0.006	93	1118071	25.0	25.4	
71 2-ethoxy-2-methyl butane	87	8.342	8.342	0.000	92	1761961	25.0	25.1	
72 Methyl methacrylate	69	8.421	8.421	0.000	89	488267	25.0	23.1	
73 1,4-Dioxane	88	8.427	8.433	-0.006	30	83291	1250.0	1153.6	M
74 Dibromomethane	93	8.439	8.439	0.000	94	549830	25.0	25.8	
76 Dichlorobromomethane	83	8.677	8.677	0.000	99	1452028	25.0	24.7	
77 2-Nitropropane	41	8.939	8.939	0.000	99	860468	125.0	119.8	
79 1-Bromo-2-chloroethane	63	9.073	9.073	0.000	99	1077642	25.0	24.9	
80 cis-1,3-Dichloropropene	75	9.238	9.238	0.000	96	1754015	25.0	25.7	
82 4-Methyl-2-pentanone (MIBK)	43	9.421	9.421	0.000	97	6058586	250.0	231.9	
$ 83 Toluene-d8 (Surr)	98	9.561	9.561	0.000	94	1885324	10.0	10.0	
84 Toluene	92	9.634	9.640	-0.006	98	2918122	25.0	24.8	
85 trans-1,3-Dichloropropene	75	9.902	9.902	0.000	95	1459303	25.0	25.8	
104 Ethyl methacrylate	69	9.975	9.975	0.000	88	1100528	25.0	26.2	
S 105 1,3-Dichloropropene, Total	100				0			51.5	
106 1,1,2-Trichloroethane	97	10.110	10.116	-0.006	92	735870	25.0	24.8	
107 Tetrachloroethene	166	10.201	10.201	0.000	98	1393850	25.0	24.8	
108 1,3-Dichloropropane	76	10.280	10.280	0.000	92	1280937	25.0	25.2	
109 2-Hexanone	43	10.335	10.335	0.000	97	4113843	250.0	236.5	
111 Chlorodibromomethane	129	10.500	10.500	0.000	90	1025341	25.0	25.9	
112 Ethylene Dibromide	107	10.609	10.609	0.000	99	735357	25.0	25.7	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	85	1426382	10.0	10.0	
114 1-Chlorohexane	91	11.061	11.061	0.000	98	1593955	25.0	23.7	
115 Chlorobenzene	112	11.073	11.073	0.000	98	3225340	25.0	25.1	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	95	1194283	25.0	25.5	
117 Ethylbenzene	91	11.164	11.164	0.000	99	5743058	25.0	25.0	
S 118 Xylenes, Total	106				0			76.4	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	99	4514240	50.0	50.9	
120 o-Xylene	106	11.609	11.609	0.000	97	2211532	25.0	25.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.628	11.628	0.000	95	3621922	25.0	25.8	
122 Bromoform	173	11.786	11.786	0.000	97	640885	25.0	25.7	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	5382098	25.0	25.2	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	92	712164	10.0	10.1	
127 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	93	909156	25.0	24.5	
128 Bromobenzene	156	12.176	12.176	0.000	97	1391566	25.0	25.1	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	94	2575267	250.0	241.4	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	81	244226	25.0	24.6	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	6609275	25.0	25.2	
132 2-Chlorotoluene	126	12.322	12.323	-0.001	96	1387686	25.0	25.2	
133 1,3,5-Trimethylbenzene	105	12.383	12.384	-0.001	94	4799921	25.0	25.2	
134 4-Chlorotoluene	126	12.414	12.414	0.000	98	1426214	25.0	25.4	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	1062110	25.0	24.5	
136 Pentachloroethane	167	12.658	12.658	0.000	92	917050	25.0	25.9	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	4889578	25.0	25.4	
138 sec-Butylbenzene	105	12.792	12.792	0.000	94	5896551	25.0	25.4	
139 1,3-Dichlorobenzene	146	12.889	12.890	-0.001	98	2726352	25.0	25.7	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	97	5239951	25.0	25.7	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	812275	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	93	2693379	25.0	25.1	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	99	2153109	25.0	25.1	
144 Benzyl chloride	126	13.042	13.042	0.000	99	407152	25.0	26.2	
145 p-Diethylbenzene	119	13.176	13.170	0.006	95	3104756	25.0	26.2	
146 n-Butylbenzene	92	13.194	13.194	0.000	98	2439188	25.0	26.3	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	2422463	25.0	25.4	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	87	143556	25.0	29.2	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	97	1911490	25.0	26.7	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	1581016	25.0	28.5	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	95	556855	25.0	25.9	
153 Naphthalene	128	14.493	14.493	0.000	97	2569391	25.0	29.2	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	1194182	25.0	30.3	
157 Pentane	43		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_00099	Amount Added: 25.00	Units: uL	
MSV_LL_GAS826_00174	Amount Added: 25.00	Units: uL	
MSV_LL_#2_826_00108	Amount Added: 25.00	Units: uL	
MSV_LLcentISS_00009	Amount Added: 5.00	Units: uL	Run Reagent

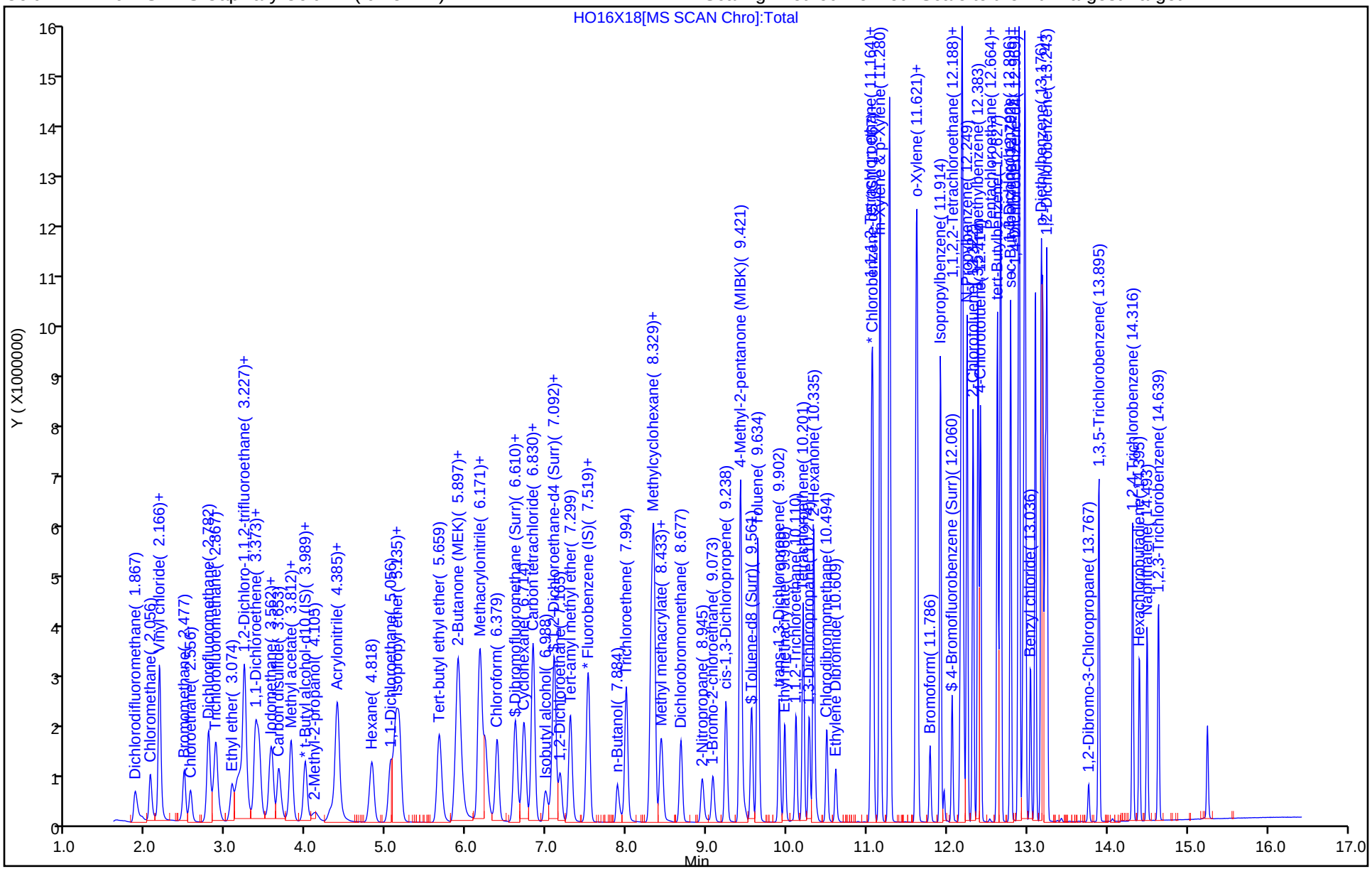
Report Date: 20-Oct-2023 13:26:15 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Injection Date:	17-Oct-2023 09:43:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std7 25			Worklist Smp#:	19
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSV_19094_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: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

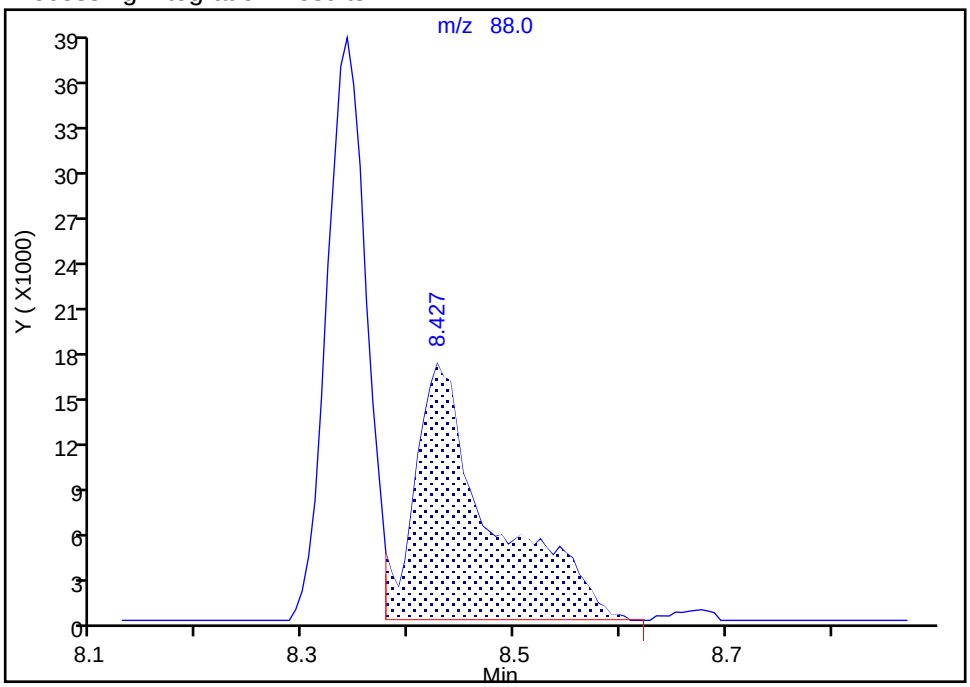
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D				
Injection Date:	17-Oct-2023 09:43:30	Instrument ID:	19094		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit 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

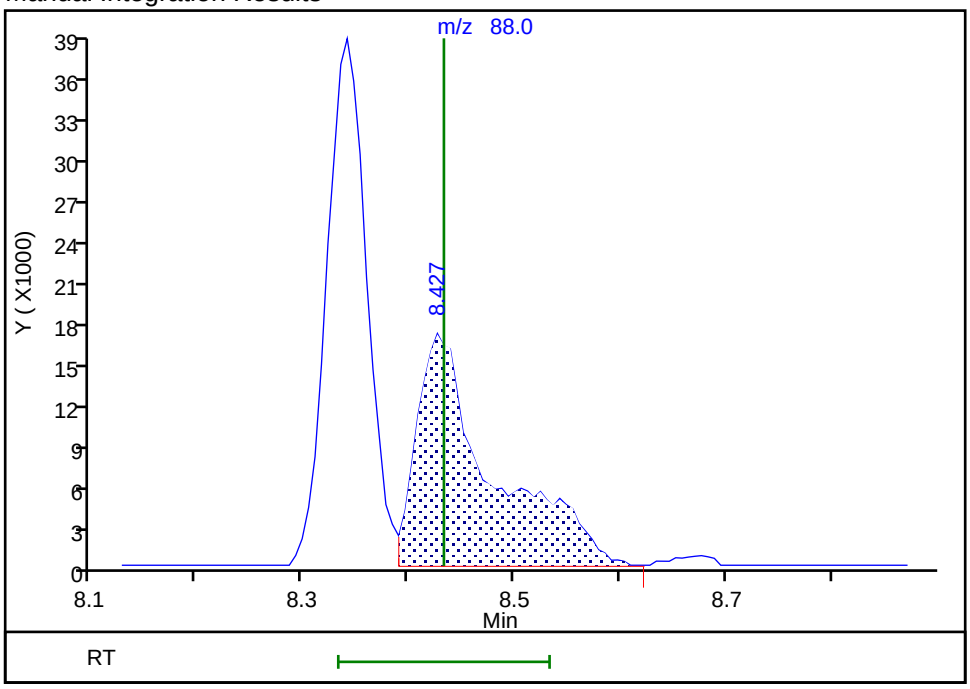
Processing Integration Results

RT: 8.43
Area: 85997
Amount: 1238.2805
Amount Units: ug/l



Manual Integration Results

RT: 8.43
Area: 83291
Amount: 1153.6499
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:40:27 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

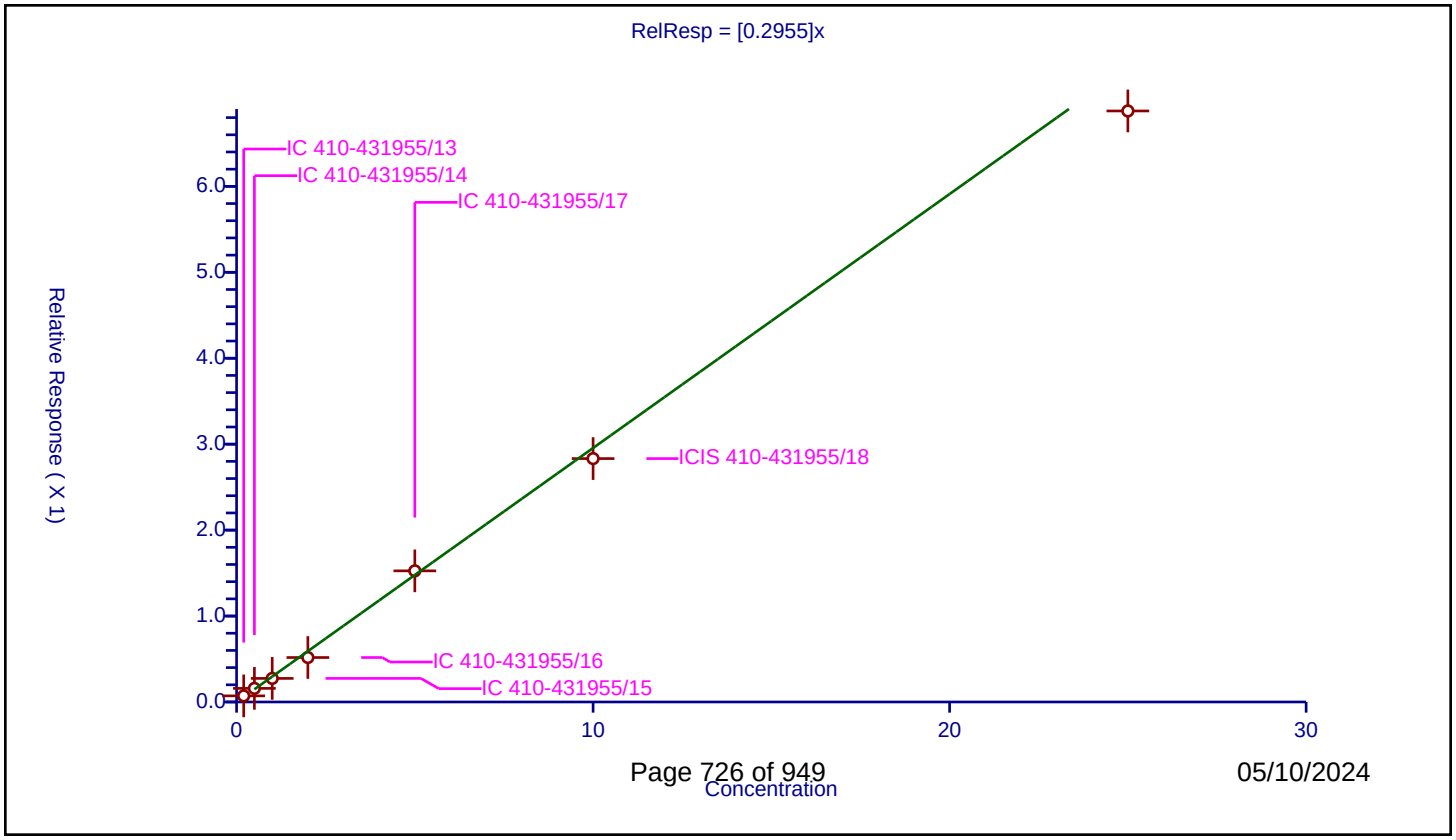
Curve Coefficients

Intercept:	0
Slope:	0.2955

Error Coefficients

Standard Error:	578000
Relative Standard Error:	11.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.071073	10.0	1727945.0	0.355364	Y
2	IC 410-431955/14	0.5	0.158437	10.0	1732238.0	0.316873	Y
3	IC 410-431955/15	1.0	0.274329	10.0	1719834.0	0.274329	Y
4	IC 410-431955/16	2.0	0.517373	10.0	1746844.0	0.258687	Y
5	IC 410-431955/17	5.0	1.52598	10.0	1767939.0	0.305196	Y
6	ICIS 410-431955/18	10.0	2.832358	10.0	1790766.0	0.283236	Y
7	IC 410-431955/19	25.0	6.877259	10.0	1875183.0	0.27509	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

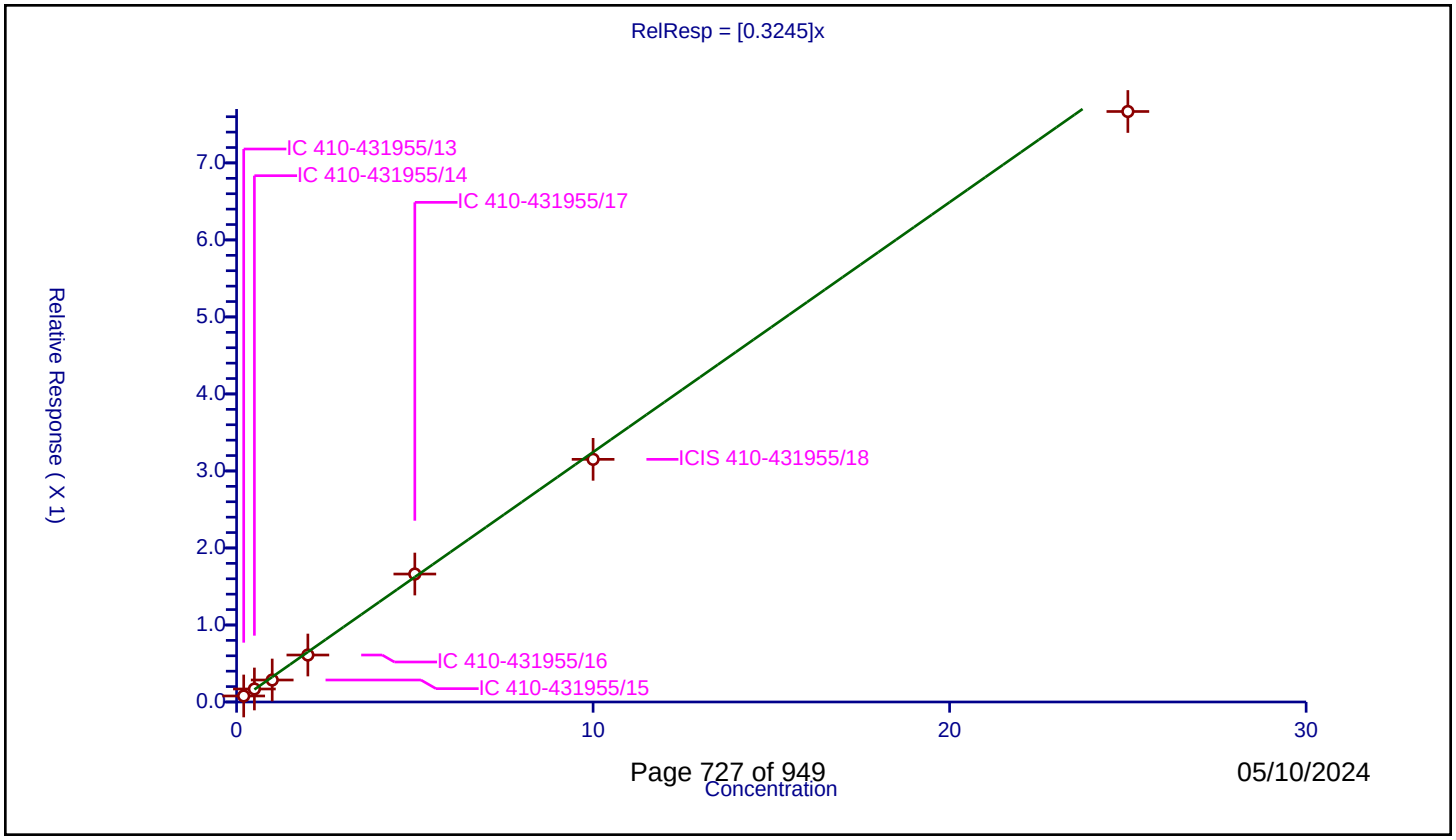
Curve Coefficients

Intercept:	0
Slope:	0.3245

Error Coefficients

Standard Error:	644000
Relative Standard Error:	10.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.077931	10.0	1727945.0	0.389654	Y
2	IC 410-431955/14	0.5	0.168672	10.0	1732238.0	0.337344	Y
3	IC 410-431955/15	1.0	0.285336	10.0	1719834.0	0.285336	Y
4	IC 410-431955/16	2.0	0.609854	10.0	1746844.0	0.304927	Y
5	IC 410-431955/17	5.0	1.661624	10.0	1767939.0	0.332325	Y
6	ICIS 410-431955/18	10.0	3.150791	10.0	1790766.0	0.315079	Y
7	IC 410-431955/19	25.0	7.66779	10.0	1875183.0	0.306712	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

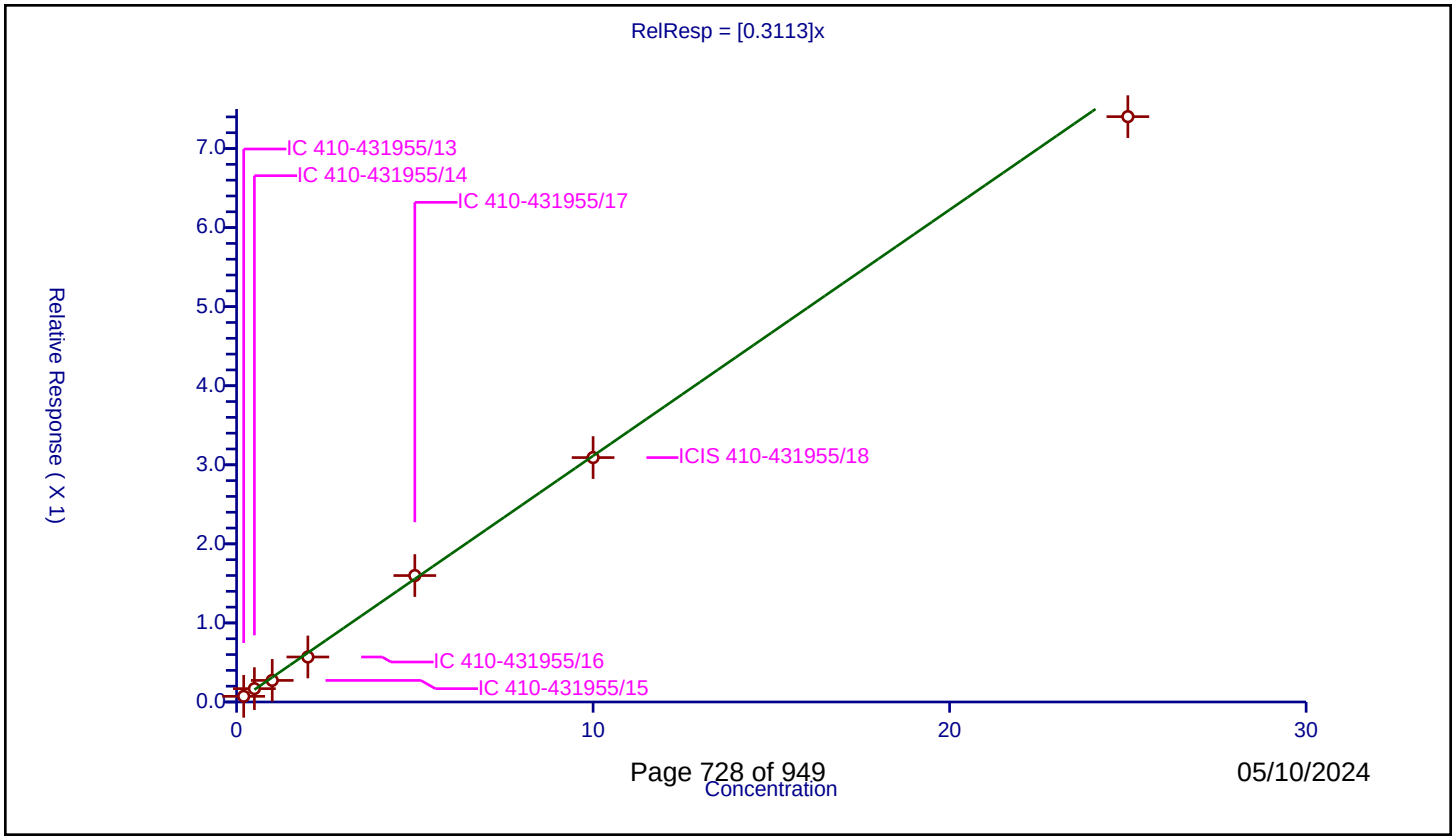
Curve Coefficients

Intercept:	0
Slope:	0.3113

Error Coefficients

Standard Error:	623000
Relative Standard Error:	9.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.071738	10.0	1727945.0	0.358692	Y
2	IC 410-431955/14	0.5	0.168811	10.0	1732238.0	0.337621	Y
3	IC 410-431955/15	1.0	0.273032	10.0	1719834.0	0.273032	Y
4	IC 410-431955/16	2.0	0.568998	10.0	1746844.0	0.284499	Y
5	IC 410-431955/17	5.0	1.599235	10.0	1767939.0	0.319847	Y
6	ICIS 410-431955/18	10.0	3.091353	10.0	1790766.0	0.309135	Y
7	IC 410-431955/19	25.0	7.403635	10.0	1875183.0	0.296145	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

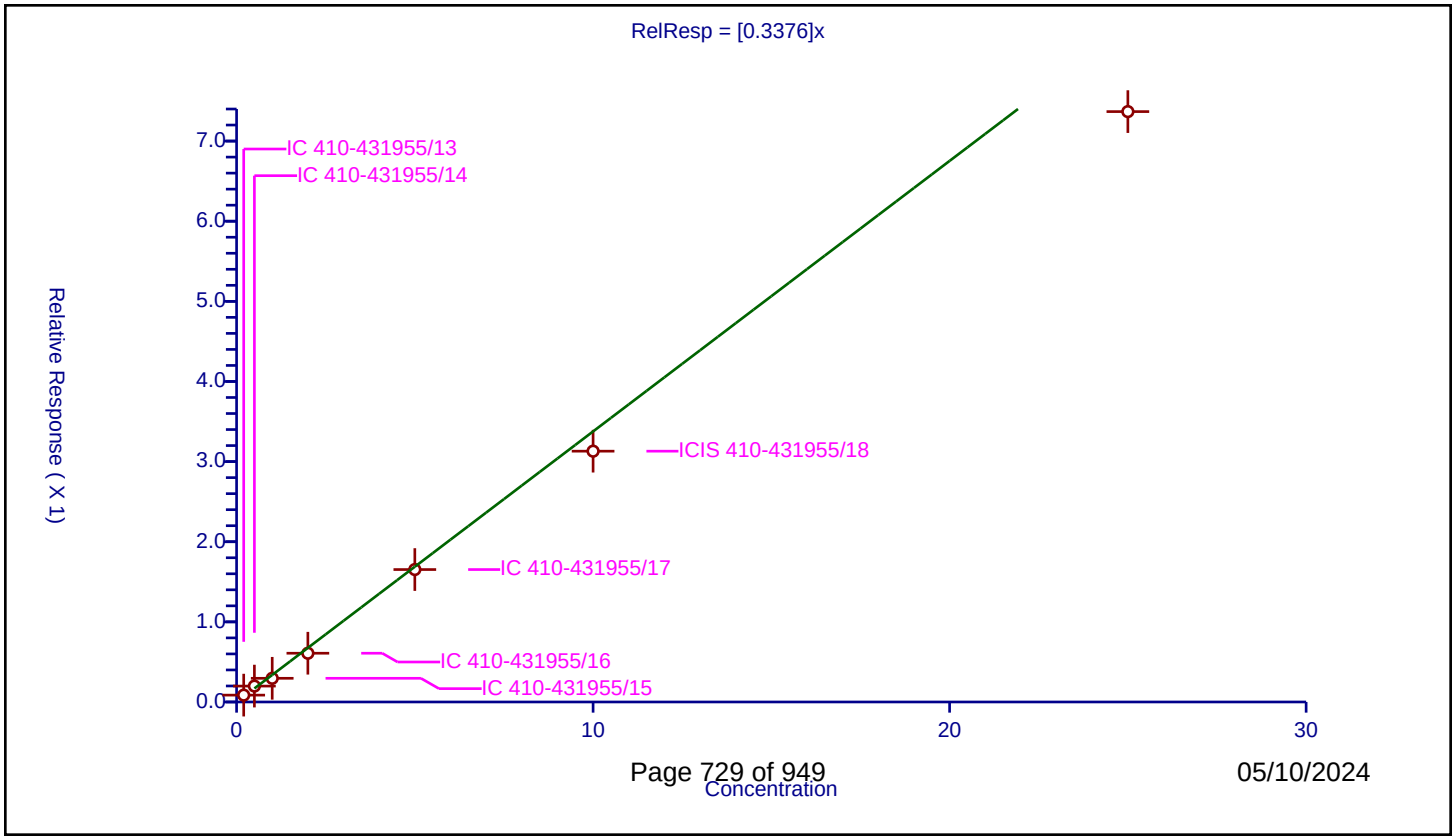
Curve Coefficients

Intercept:	0
Slope:	0.3376

Error Coefficients

Standard Error:	622000
Relative Standard Error:	15.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.085622	10.0	1727945.0	0.42811	Y
2	IC 410-431955/14	0.5	0.198541	10.0	1732238.0	0.397082	Y
3	IC 410-431955/15	1.0	0.295552	10.0	1719834.0	0.295552	Y
4	IC 410-431955/16	2.0	0.608469	10.0	1746844.0	0.304234	Y
5	IC 410-431955/17	5.0	1.652885	10.0	1767939.0	0.330577	Y
6	ICIS 410-431955/18	10.0	3.130169	10.0	1790766.0	0.313017	Y
7	IC 410-431955/19	25.0	7.367729	10.0	1875183.0	0.294709	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

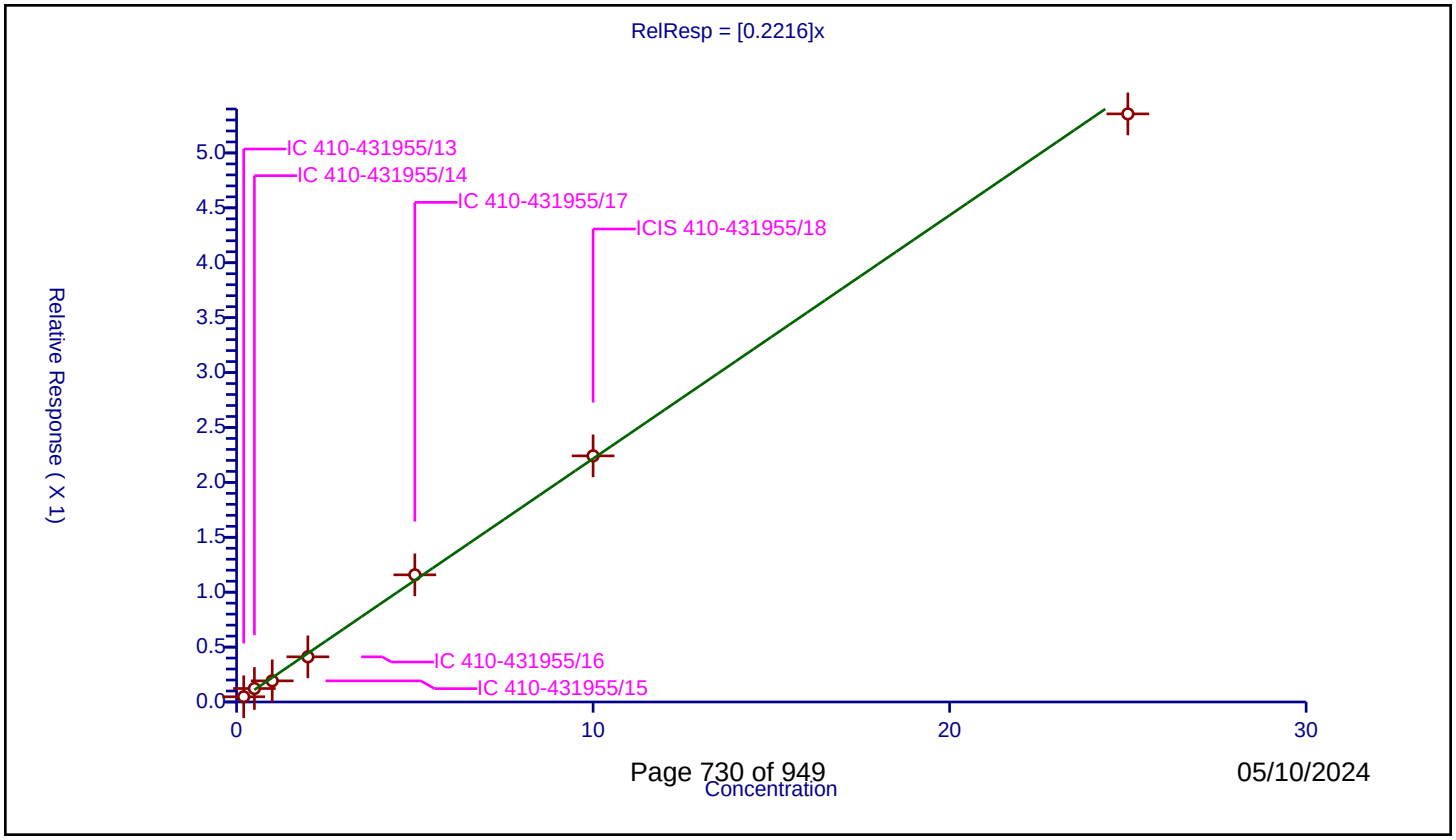
Curve Coefficients

Intercept:	0
Slope:	0.2216

Error Coefficients

Standard Error:	451000
Relative Standard Error:	8.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.047502	10.0	1727945.0	0.237508	Y
2	IC 410-431955/14	0.5	0.122864	10.0	1732238.0	0.245728	Y
3	IC 410-431955/15	1.0	0.192449	10.0	1719834.0	0.192449	Y
4	IC 410-431955/16	2.0	0.411307	10.0	1746844.0	0.205654	Y
5	IC 410-431955/17	5.0	1.158089	10.0	1767939.0	0.231618	Y
6	ICIS 410-431955/18	10.0	2.241393	10.0	1790766.0	0.224139	Y
7	IC 410-431955/19	25.0	5.355515	10.0	1875183.0	0.214221	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

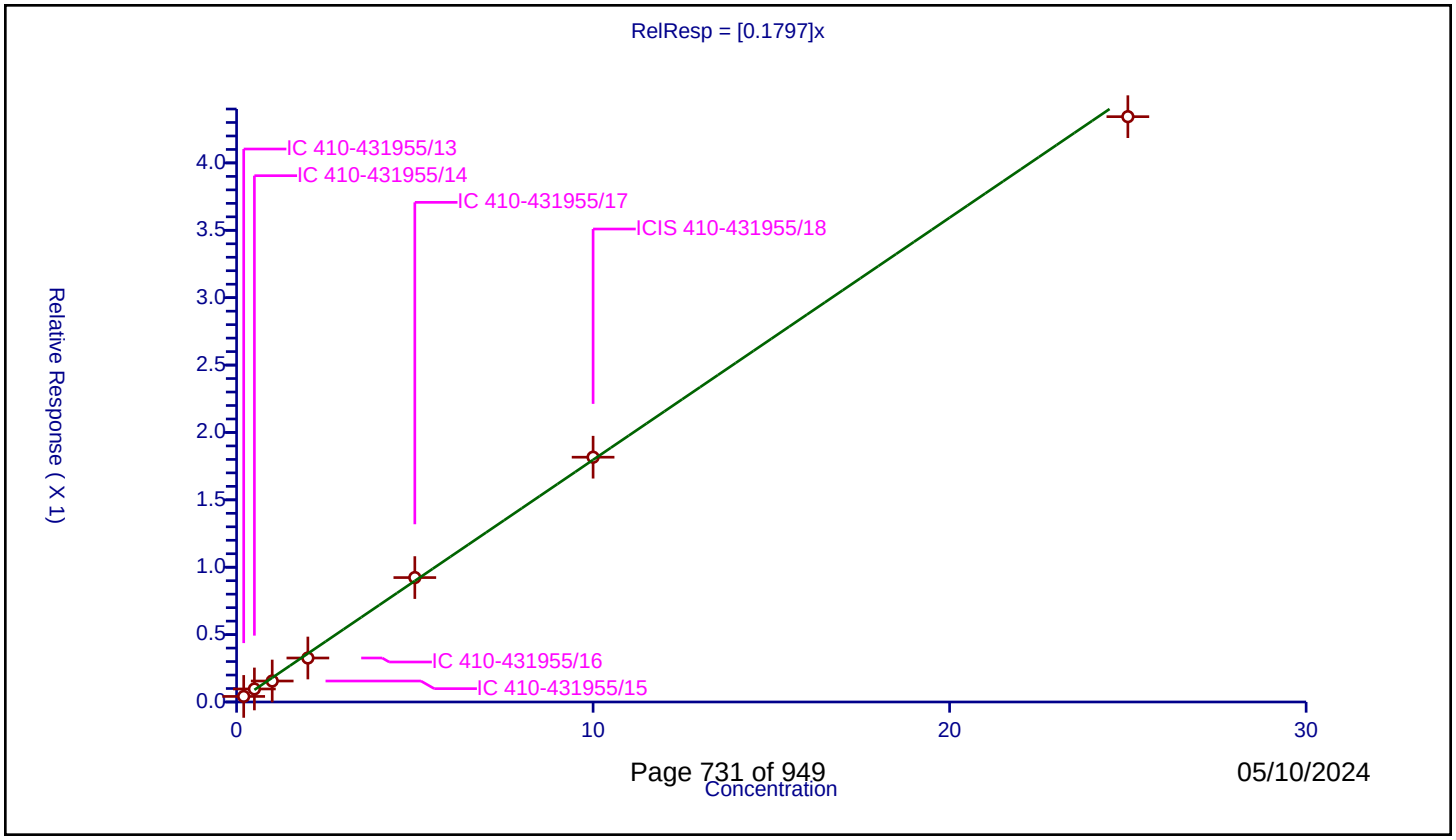
Curve Coefficients

Intercept:	0
Slope:	0.1797

Error Coefficients

Standard Error:	365000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.04117	10.0	1727945.0	0.205851	Y
2	IC 410-431955/14	0.5	0.096592	10.0	1732238.0	0.193184	Y
3	IC 410-431955/15	1.0	0.155596	10.0	1719834.0	0.155596	Y
4	IC 410-431955/16	2.0	0.326337	10.0	1746844.0	0.163169	Y
5	IC 410-431955/17	5.0	0.923222	10.0	1767939.0	0.184644	Y
6	ICIS 410-431955/18	10.0	1.816463	10.0	1790766.0	0.181646	Y
7	IC 410-431955/19	25.0	4.343229	10.0	1875183.0	0.173729	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

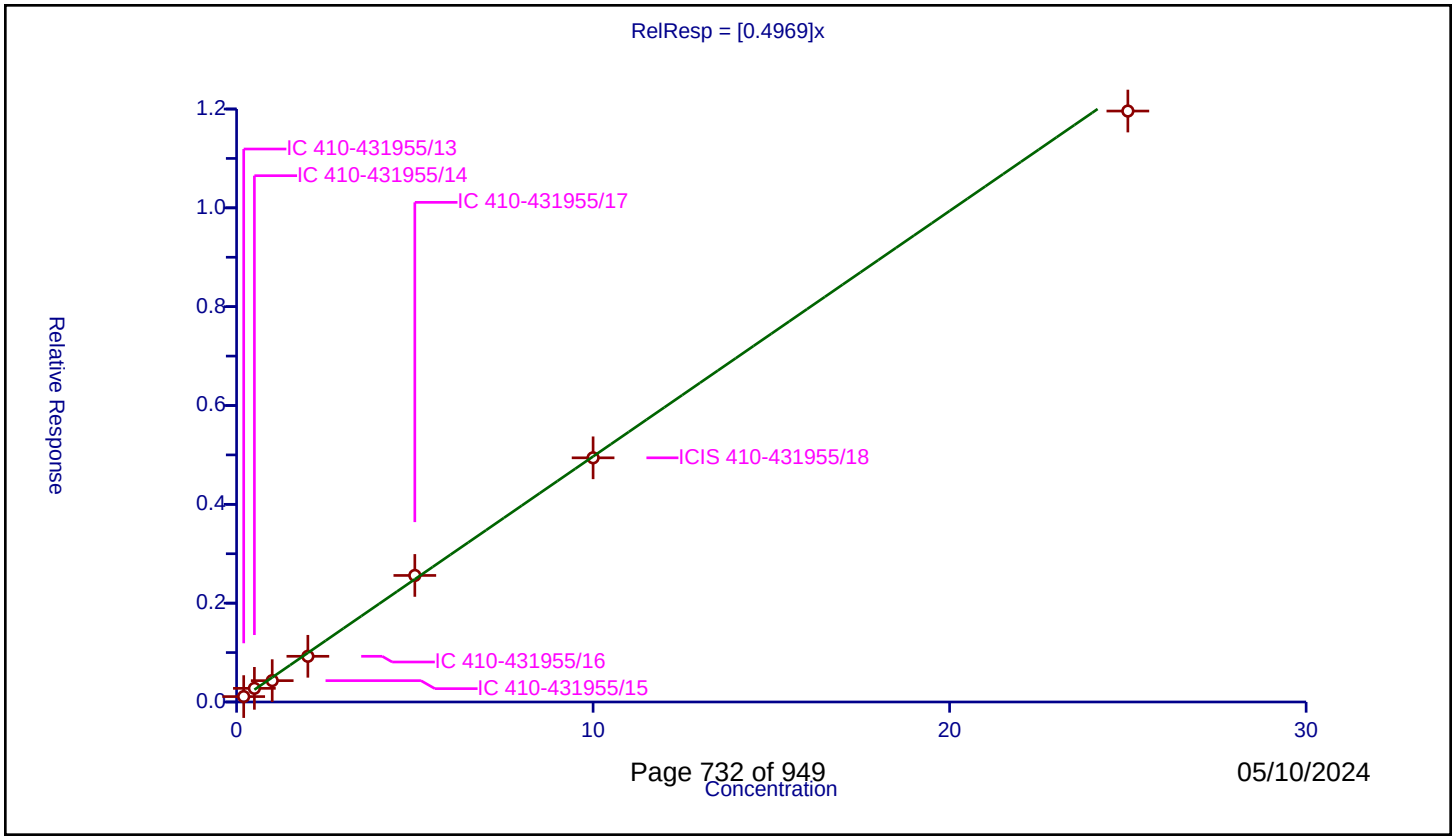
Curve Coefficients

Intercept:	0
Slope:	0.4969

Error Coefficients

Standard Error:	1000000
Relative Standard Error:	8.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.109413	10.0	1727945.0	0.547066	Y
2	IC 410-431955/14	0.5	0.276001	10.0	1732238.0	0.552003	Y
3	IC 410-431955/15	1.0	0.431937	10.0	1719834.0	0.431937	Y
4	IC 410-431955/16	2.0	0.924782	10.0	1746844.0	0.462391	Y
5	IC 410-431955/17	5.0	2.560682	10.0	1767939.0	0.512136	Y
6	ICIS 410-431955/18	10.0	4.941394	10.0	1790766.0	0.494139	Y
7	IC 410-431955/19	25.0	11.959201	10.0	1875183.0	0.478368	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

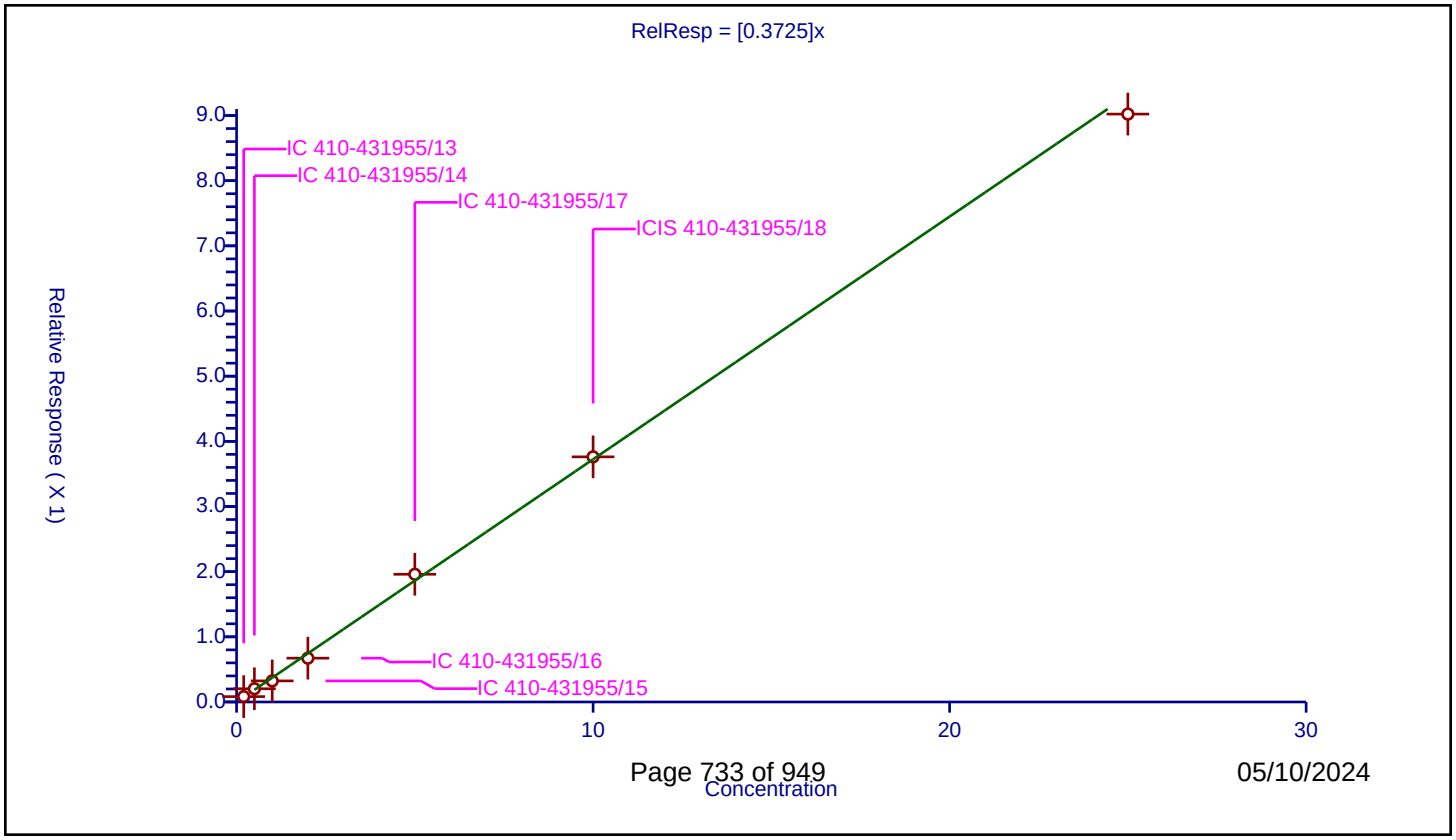
Curve Coefficients

Intercept:	0
Slope:	0.3725

Error Coefficients

Standard Error:	759000
Relative Standard Error:	9.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.082433	10.0	1727945.0	0.412166	Y
2	IC 410-431955/14	0.5	0.203119	10.0	1732238.0	0.406237	Y
3	IC 410-431955/15	1.0	0.323572	10.0	1719834.0	0.323572	Y
4	IC 410-431955/16	2.0	0.672413	10.0	1746844.0	0.336206	Y
5	IC 410-431955/17	5.0	1.959887	10.0	1767939.0	0.391977	Y
6	ICIS 410-431955/18	10.0	3.761781	10.0	1790766.0	0.376178	Y
7	IC 410-431955/19	25.0	9.022106	10.0	1875183.0	0.360884	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

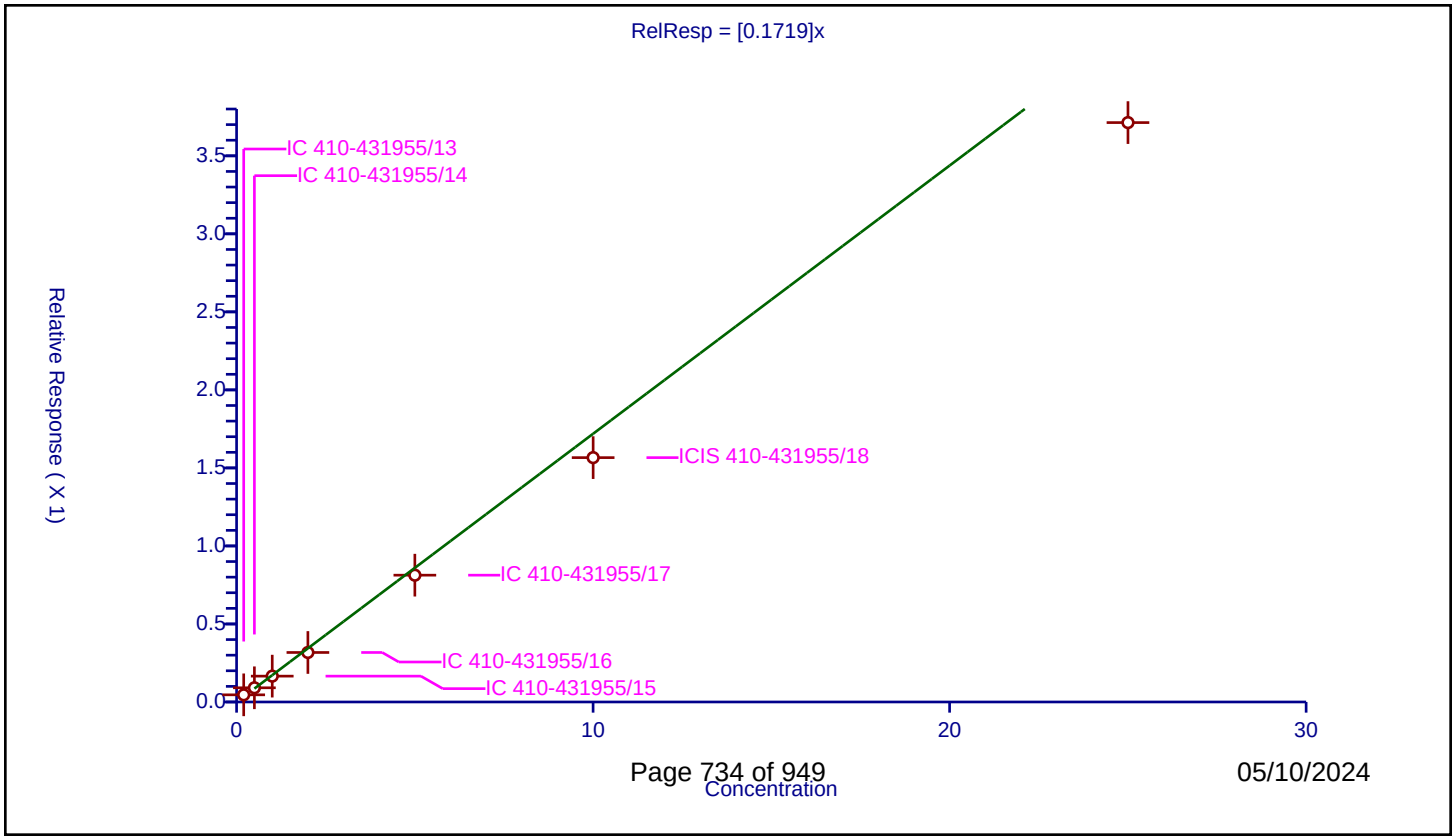
Curve Coefficients

Intercept:	0
Slope:	0.1719

Error Coefficients

Standard Error:	313000
Relative Standard Error:	15.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.200027	0.045881	10.0	1727945.0	0.229374	Y
2	IC 410-431955/14	0.500068	0.090981	10.0	1732238.0	0.181937	Y
3	IC 410-431955/15	1.000135	0.165685	10.0	1719834.0	0.165662	Y
4	IC 410-431955/16	2.00027	0.317224	10.0	1746844.0	0.15859	Y
5	IC 410-431955/17	5.000676	0.812585	10.0	1767939.0	0.162495	Y
6	ICIS 410-431955/18	10.001352	1.565972	10.0	1790766.0	0.156576	Y
7	IC 410-431955/19	25.00338	3.713088	10.0	1875183.0	0.148503	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

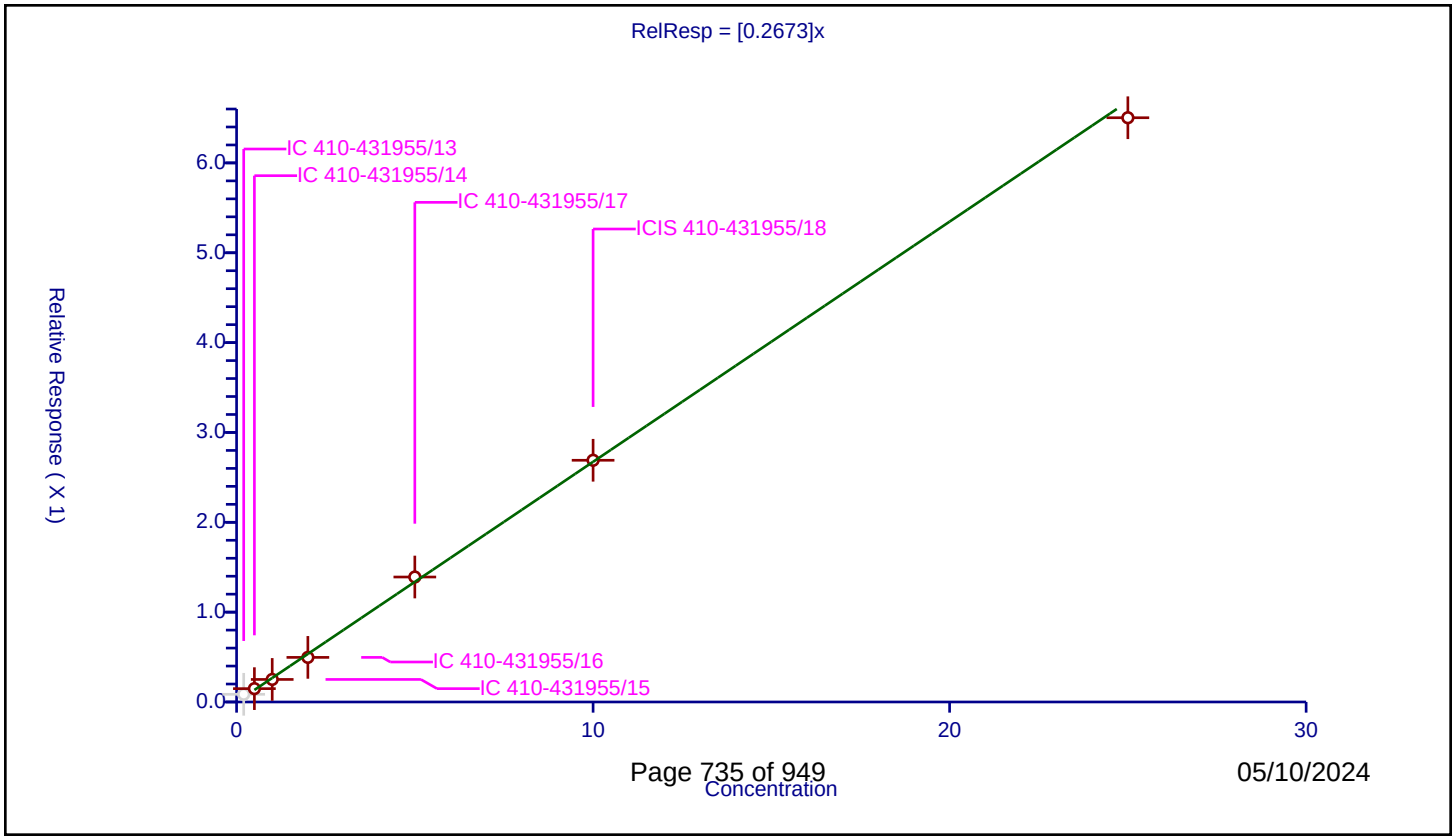
Curve Coefficients

Intercept:	0
Slope:	0.2673

Error Coefficients

Standard Error:	598000
Relative Standard Error:	6.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.085662	10.0	1727945.0	0.428312	N
2	IC 410-431955/14	0.5	0.148646	10.0	1732238.0	0.297292	Y
3	IC 410-431955/15	1.0	0.251071	10.0	1719834.0	0.251071	Y
4	IC 410-431955/16	2.0	0.496495	10.0	1746844.0	0.248248	Y
5	IC 410-431955/17	5.0	1.390896	10.0	1767939.0	0.278179	Y
6	ICIS 410-431955/18	10.0	2.690346	10.0	1790766.0	0.269035	Y
7	IC 410-431955/19	25.0	6.50296	10.0	1875183.0	0.260118	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

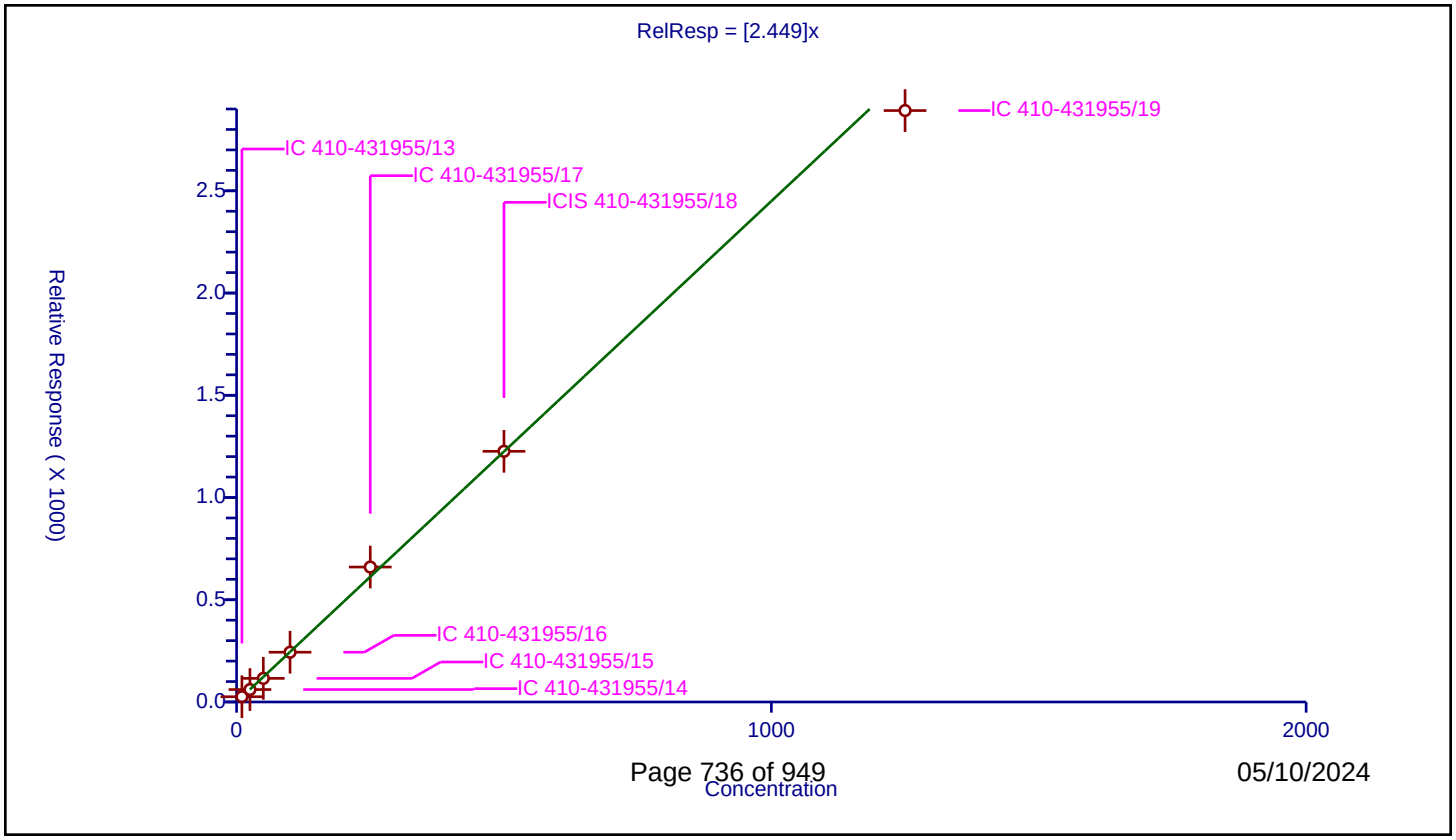
Curve Coefficients

Intercept:	0
Slope:	2.449

Error Coefficients

Standard Error:	2410000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	10.000241	25.636747	50.0	75501.0	2.563613	Y
2	IC 410-431955/14	25.000603	60.833766	50.0	75057.0	2.433292	Y
3	IC 410-431955/15	50.001207	115.451476	50.0	79384.0	2.308974	Y
4	IC 410-431955/16	100.002413	243.473949	50.0	77137.0	2.434681	Y
5	IC 410-431955/17	250.006033	659.95005	50.0	78879.0	2.639737	Y
6	ICIS 410-431955/18	500.012065	1226.024558	50.0	83963.0	2.45199	Y
7	IC 410-431955/19	1250.030164	2892.434702	50.0	93724.0	2.313892	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

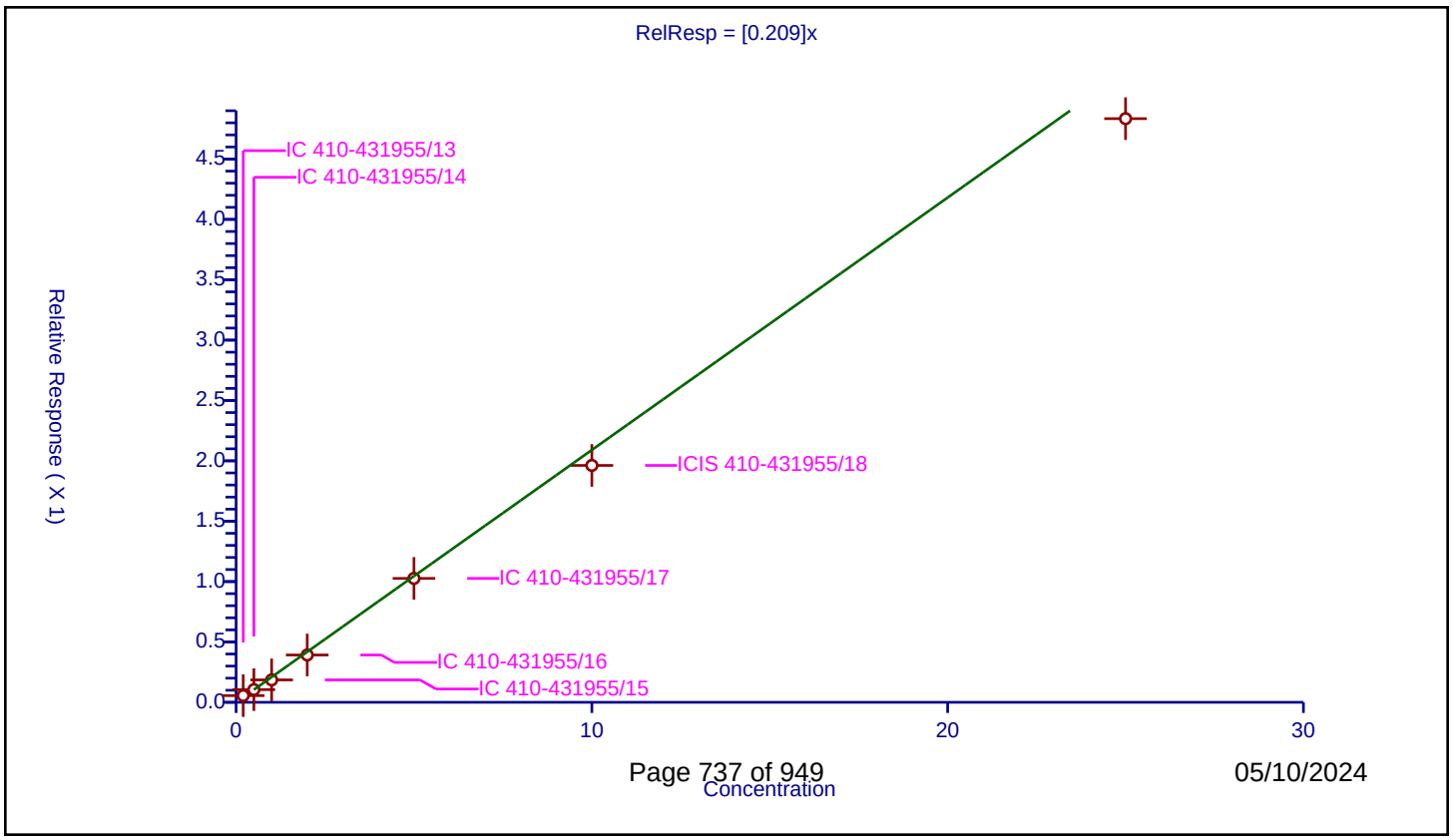
Curve Coefficients

Intercept:	0
Slope:	0.209

Error Coefficients

Standard Error:	405000
Relative Standard Error:	14.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.055424	10.0	1727945.0	0.277121	Y
2	IC 410-431955/14	0.5	0.104899	10.0	1732238.0	0.209798	Y
3	IC 410-431955/15	1.0	0.185588	10.0	1719834.0	0.185588	Y
4	IC 410-431955/16	2.0	0.391827	10.0	1746844.0	0.195913	Y
5	IC 410-431955/17	5.0	1.026353	10.0	1767939.0	0.205271	Y
6	ICIS 410-431955/18	10.0	1.962261	10.0	1790766.0	0.196226	Y
7	IC 410-431955/19	25.0	4.834568	10.0	1875183.0	0.193383	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

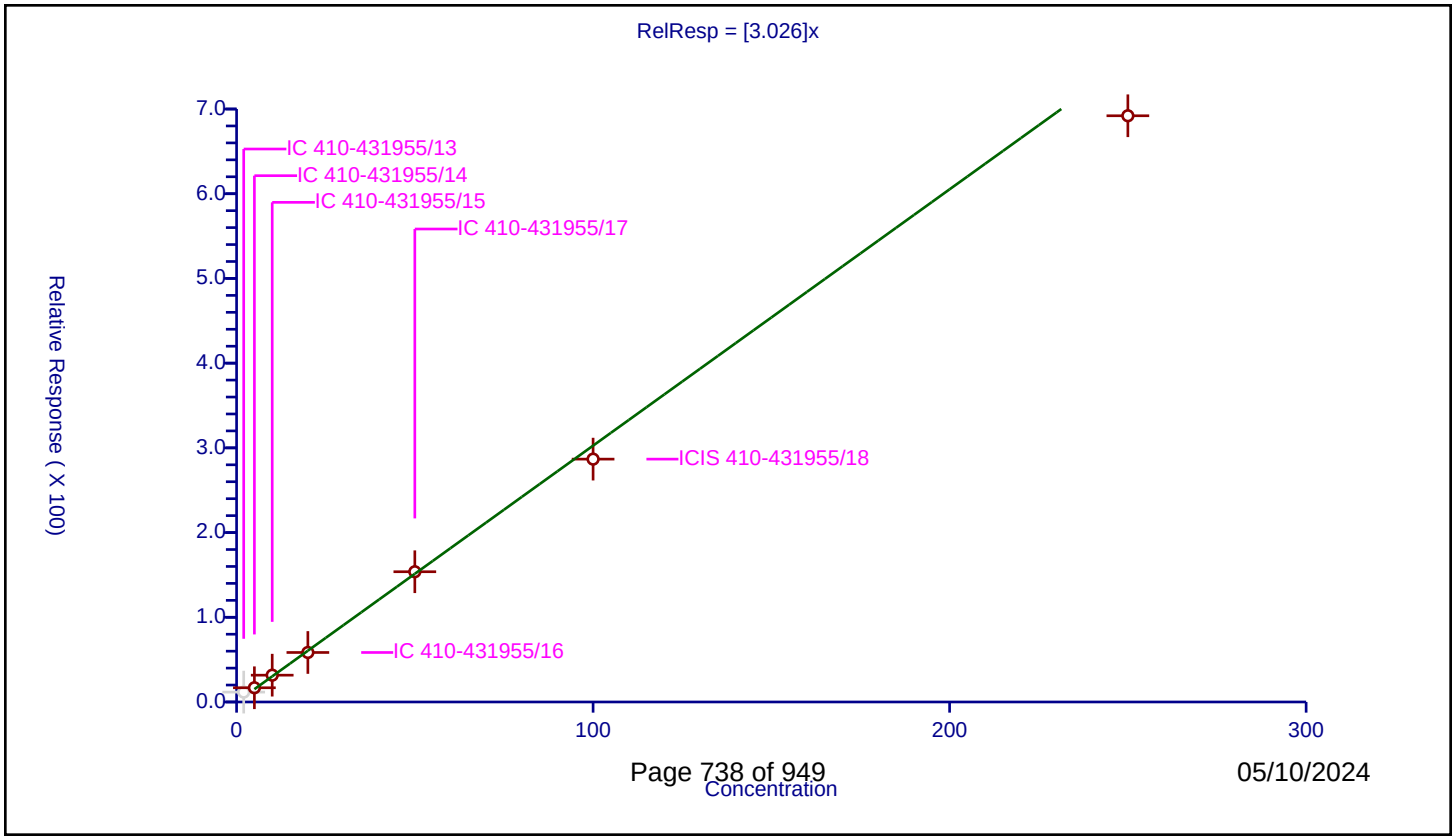
Curve Coefficients

Intercept:	0
Slope:	3.026

Error Coefficients

Standard Error:	630000
Relative Standard Error:	7.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	2.0	11.672693	50.0	75501.0	5.836347	N
2	IC 410-431955/14	5.0	16.787908	50.0	75057.0	3.357582	Y
3	IC 410-431955/15	10.0	31.660032	50.0	79384.0	3.166003	Y
4	IC 410-431955/16	20.0	58.442771	50.0	77137.0	2.922139	Y
5	IC 410-431955/17	50.0	153.754485	50.0	78879.0	3.07509	Y
6	ICIS 410-431955/18	100.0	286.709027	50.0	83963.0	2.86709	Y
7	IC 410-431955/19	250.0	692.030323	50.0	93724.0	2.768121	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

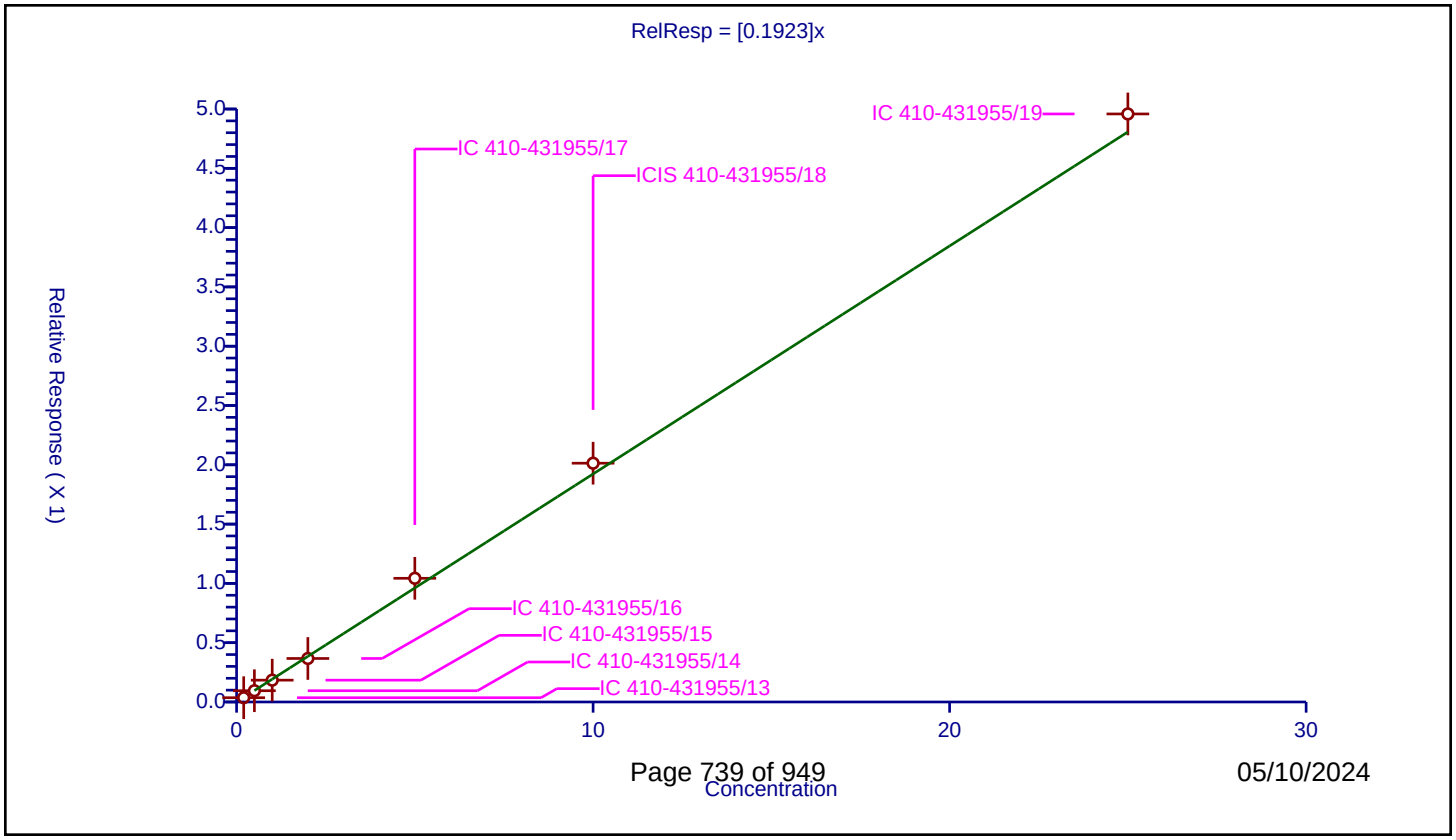
Curve Coefficients

Intercept:	0
Slope:	0.1923

Error Coefficients

Standard Error:	415000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.036083	10.0	1727945.0	0.180417	Y
2	IC 410-431955/14	0.5	0.094889	10.0	1732238.0	0.189778	Y
3	IC 410-431955/15	1.0	0.183971	10.0	1719834.0	0.183971	Y
4	IC 410-431955/16	2.0	0.366867	10.0	1746844.0	0.183434	Y
5	IC 410-431955/17	5.0	1.042983	10.0	1767939.0	0.208597	Y
6	ICIS 410-431955/18	10.0	2.013384	10.0	1790766.0	0.201338	Y
7	IC 410-431955/19	25.0	4.958487	10.0	1875183.0	0.198339	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

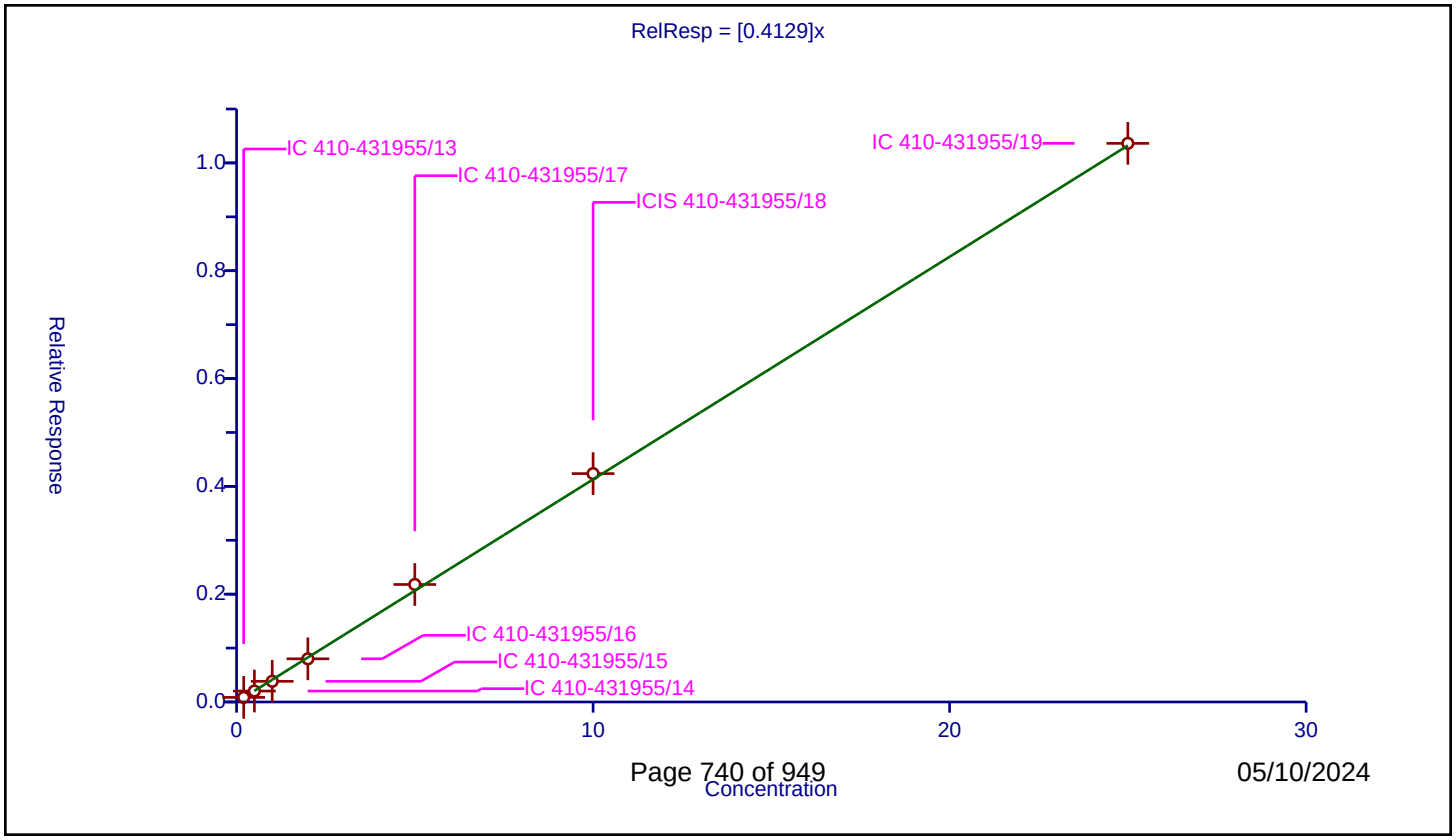
Curve Coefficients

Intercept:	0
Slope:	0.4129

Error Coefficients

Standard Error:	868000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.085263	10.0	1727945.0	0.426316	Y
2	IC 410-431955/14	0.5	0.20283	10.0	1732238.0	0.40566	Y
3	IC 410-431955/15	1.0	0.383857	10.0	1719834.0	0.383857	Y
4	IC 410-431955/16	2.0	0.800942	10.0	1746844.0	0.400471	Y
5	IC 410-431955/17	5.0	2.179939	10.0	1767939.0	0.435988	Y
6	ICIS 410-431955/18	10.0	4.236489	10.0	1790766.0	0.423649	Y
7	IC 410-431955/19	25.0	10.362855	10.0	1875183.0	0.414514	Y



Calibration / Ethyl bromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

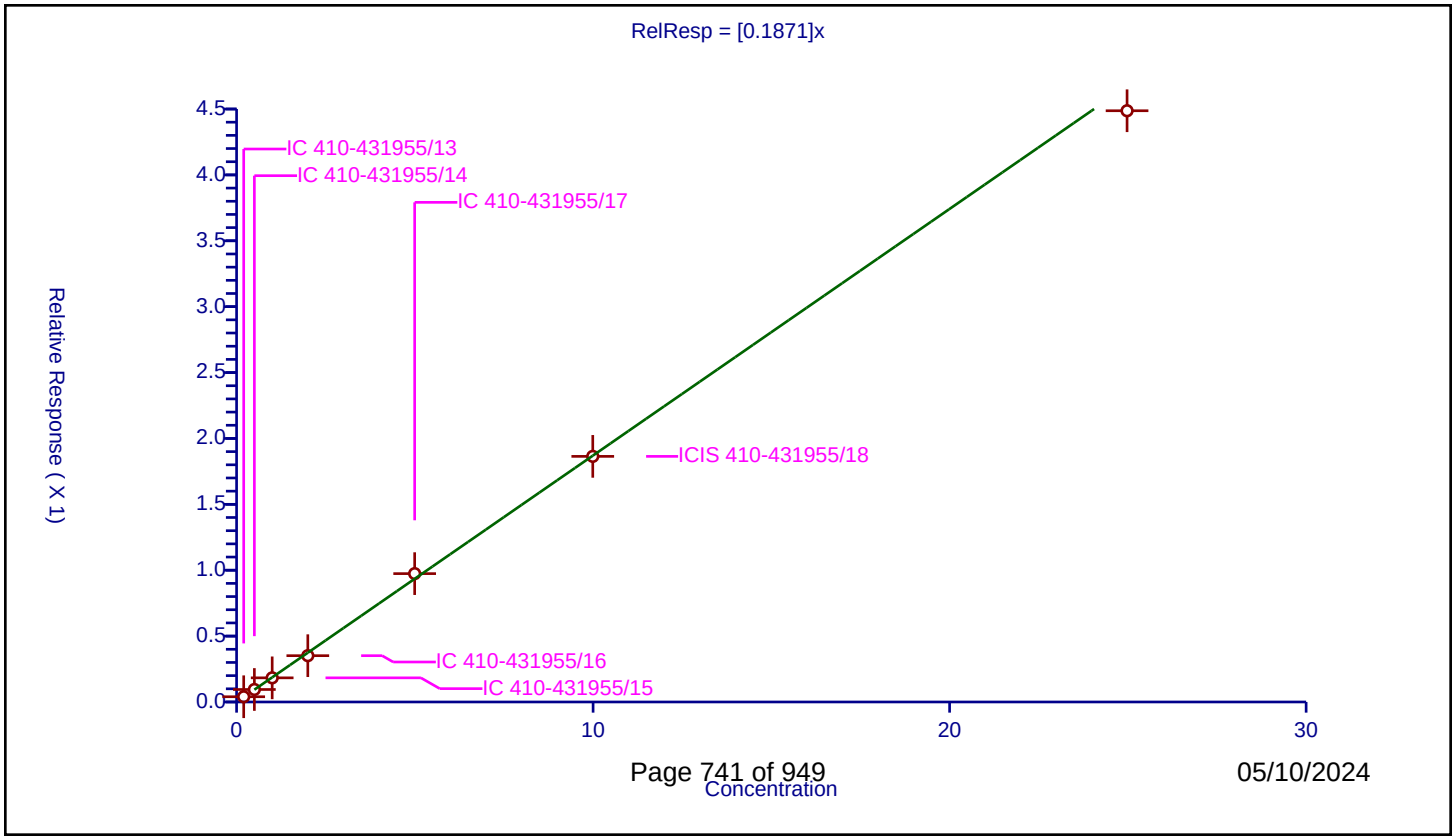
Curve Coefficients

Intercept:	0
Slope:	0.1871

Error Coefficients

Standard Error:	377000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.199819	0.039799	10.0	1727945.0	0.199174	Y
2	IC 410-431955/14	0.499548	0.094895	10.0	1732238.0	0.189961	Y
3	IC 410-431955/15	0.999096	0.183256	10.0	1719834.0	0.183422	Y
4	IC 410-431955/16	1.998192	0.35148	10.0	1746844.0	0.175899	Y
5	IC 410-431955/17	4.99548	0.974134	10.0	1767939.0	0.195003	Y
6	ICIS 410-431955/18	9.99096	1.863957	10.0	1790766.0	0.186564	Y
7	IC 410-431955/19	24.9774	4.486826	10.0	1875183.0	0.179635	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

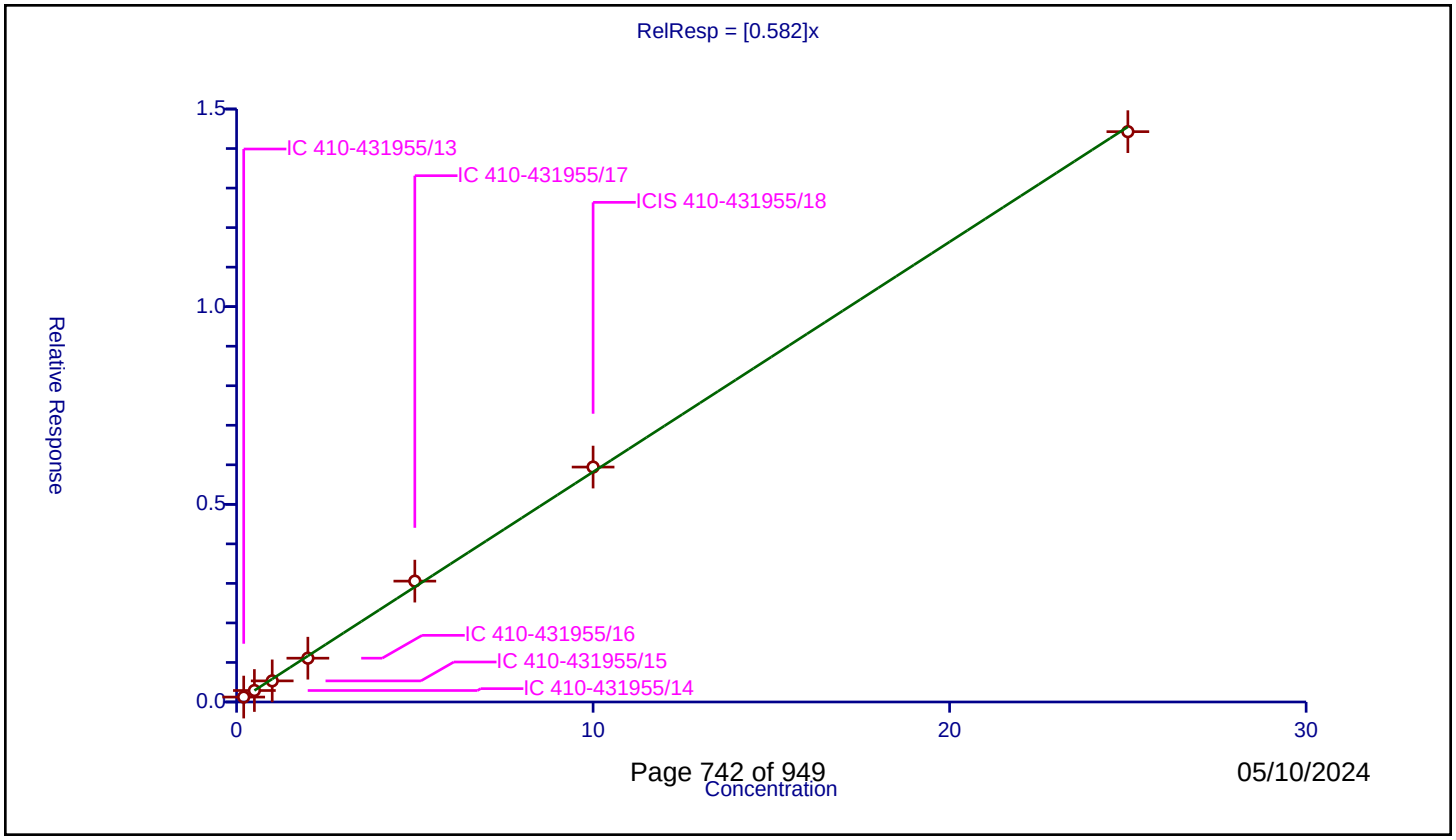
Curve Coefficients

Intercept:	0
Slope:	0.582

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	5.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.124333	10.0	1727945.0	0.621663	Y
2	IC 410-431955/14	0.5	0.290462	10.0	1732238.0	0.580925	Y
3	IC 410-431955/15	1.0	0.534185	10.0	1719834.0	0.534185	Y
4	IC 410-431955/16	2.0	1.108096	10.0	1746844.0	0.554048	Y
5	IC 410-431955/17	5.0	3.057515	10.0	1767939.0	0.611503	Y
6	ICIS 410-431955/18	10.0	5.942775	10.0	1790766.0	0.594278	Y
7	IC 410-431955/19	25.0	14.427163	10.0	1875183.0	0.577087	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

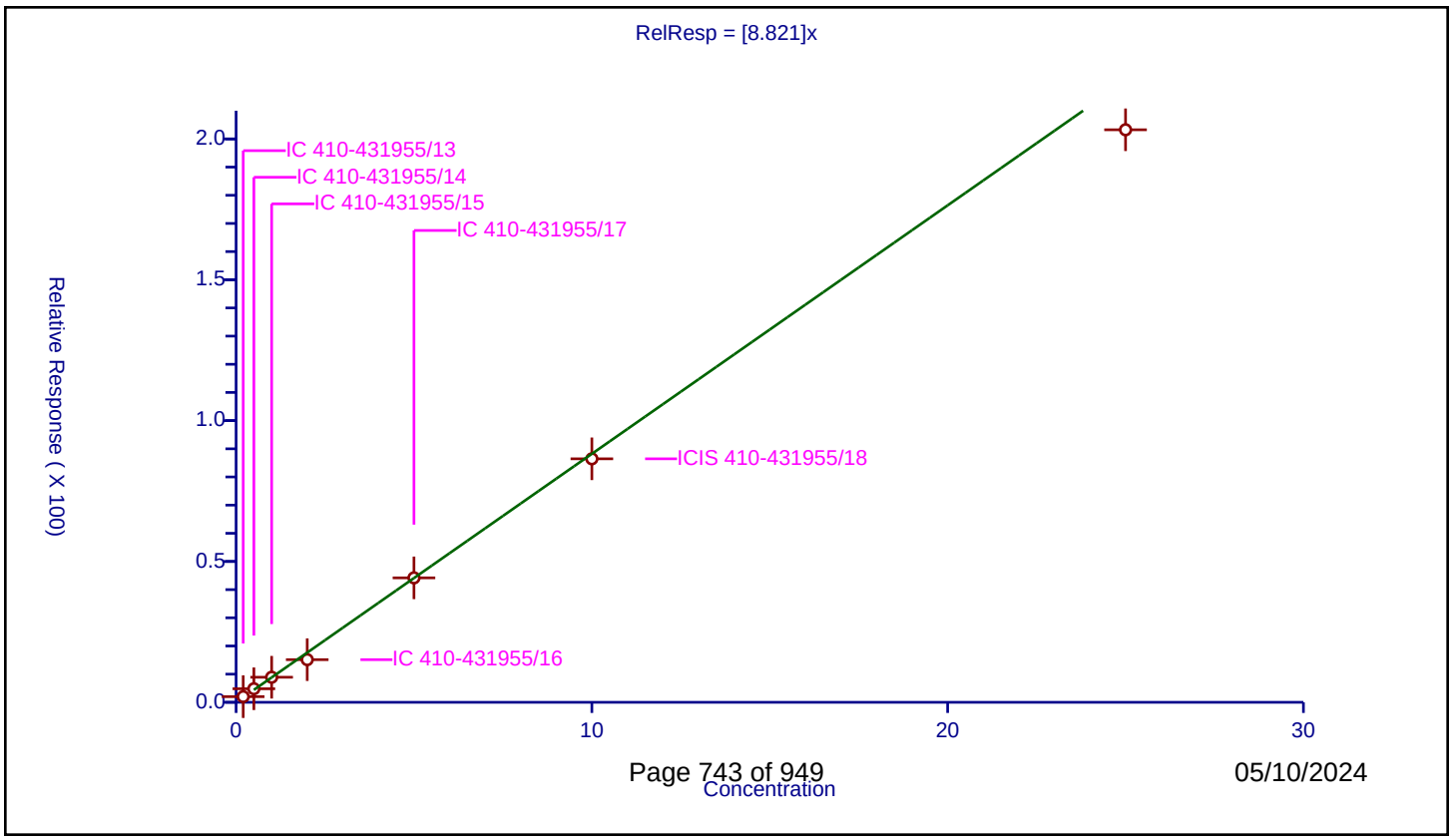
Curve Coefficients

Intercept:	0
Slope:	8.821

Error Coefficients

Standard Error:	169000
Relative Standard Error:	9.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	2.008583	50.0	75501.0	10.042913	Y
2	IC 410-431955/14	0.5	4.811676	50.0	75057.0	9.623353	Y
3	IC 410-431955/15	1.0	8.896629	50.0	79384.0	8.896629	Y
4	IC 410-431955/16	2.0	15.143835	50.0	77137.0	7.571917	Y
5	IC 410-431955/17	5.0	44.182862	50.0	78879.0	8.836572	Y
6	ICIS 410-431955/18	10.0	86.44522	50.0	83963.0	8.644522	Y
7	IC 410-431955/19	25.0	203.246767	50.0	93724.0	8.129871	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

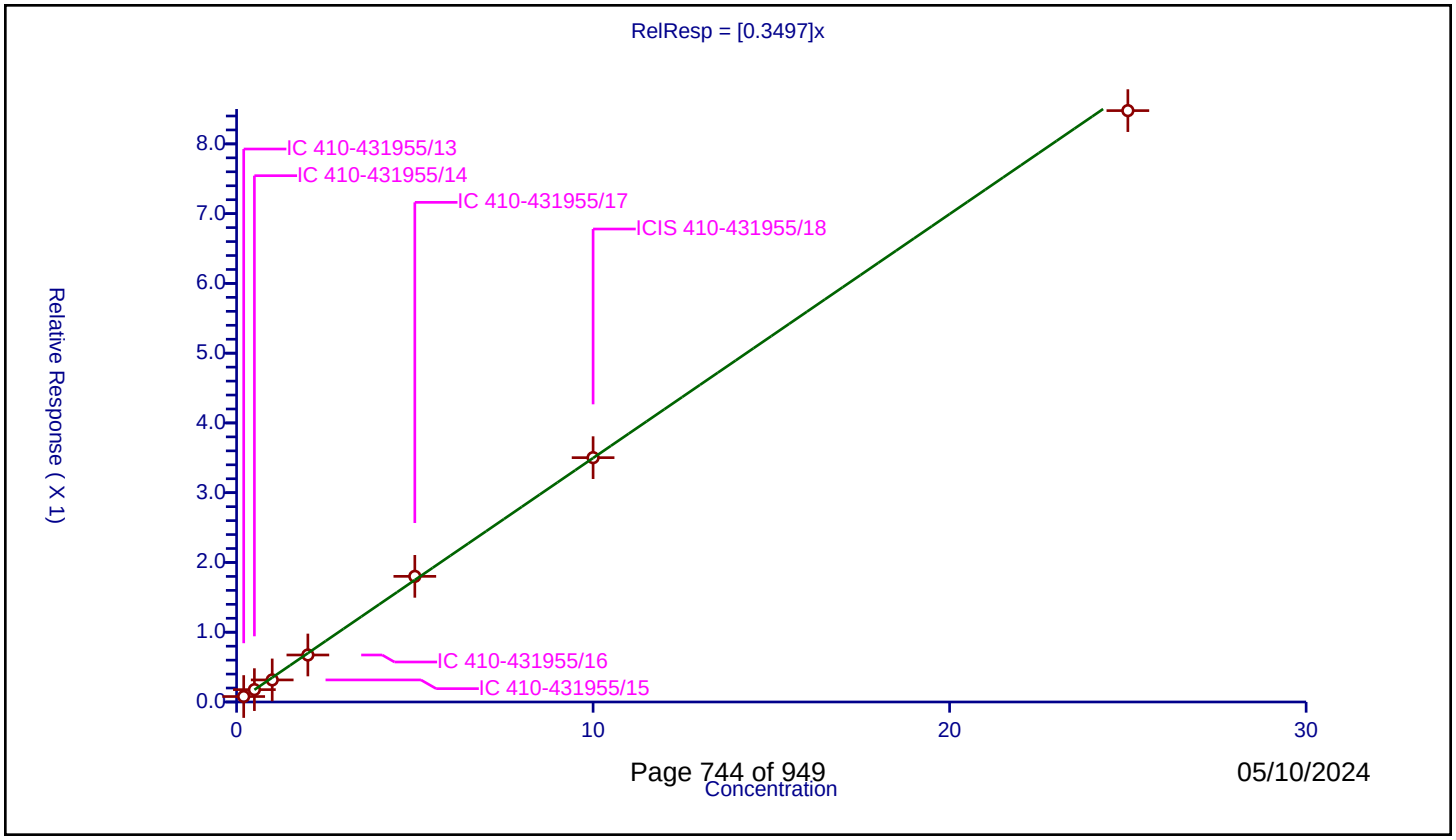
Curve Coefficients

Intercept:	0
Slope:	0.3497

Error Coefficients

Standard Error:	712000
Relative Standard Error:	6.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.078099	10.0	1727945.0	0.390493	Y
2	IC 410-431955/14	0.5	0.177349	10.0	1732238.0	0.354697	Y
3	IC 410-431955/15	1.0	0.316397	10.0	1719834.0	0.316397	Y
4	IC 410-431955/16	2.0	0.673729	10.0	1746844.0	0.336865	Y
5	IC 410-431955/17	5.0	1.800894	10.0	1767939.0	0.360179	Y
6	ICIS 410-431955/18	10.0	3.502362	10.0	1790766.0	0.350236	Y
7	IC 410-431955/19	25.0	8.476895	10.0	1875183.0	0.339076	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

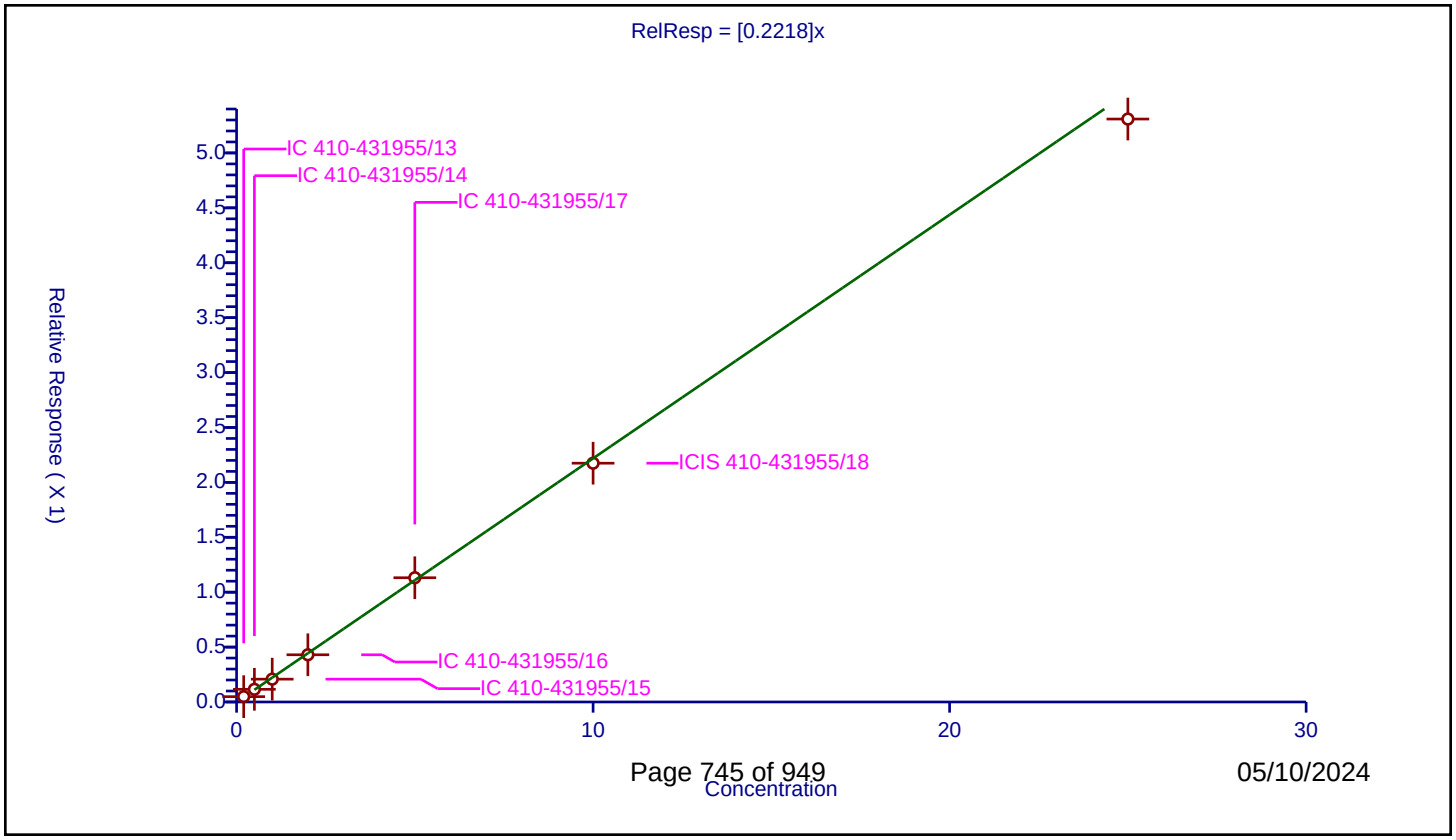
Curve Coefficients

Intercept:	0
Slope:	0.2218

Error Coefficients

Standard Error:	445000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.048584	10.0	1727945.0	0.242919	Y
2	IC 410-431955/14	0.5	0.115486	10.0	1732238.0	0.230973	Y
3	IC 410-431955/15	1.0	0.207956	10.0	1719834.0	0.207956	Y
4	IC 410-431955/16	2.0	0.42997	10.0	1746844.0	0.214985	Y
5	IC 410-431955/17	5.0	1.131493	10.0	1767939.0	0.226299	Y
6	ICIS 410-431955/18	10.0	2.174449	10.0	1790766.0	0.217445	Y
7	IC 410-431955/19	25.0	5.308613	10.0	1875183.0	0.212345	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

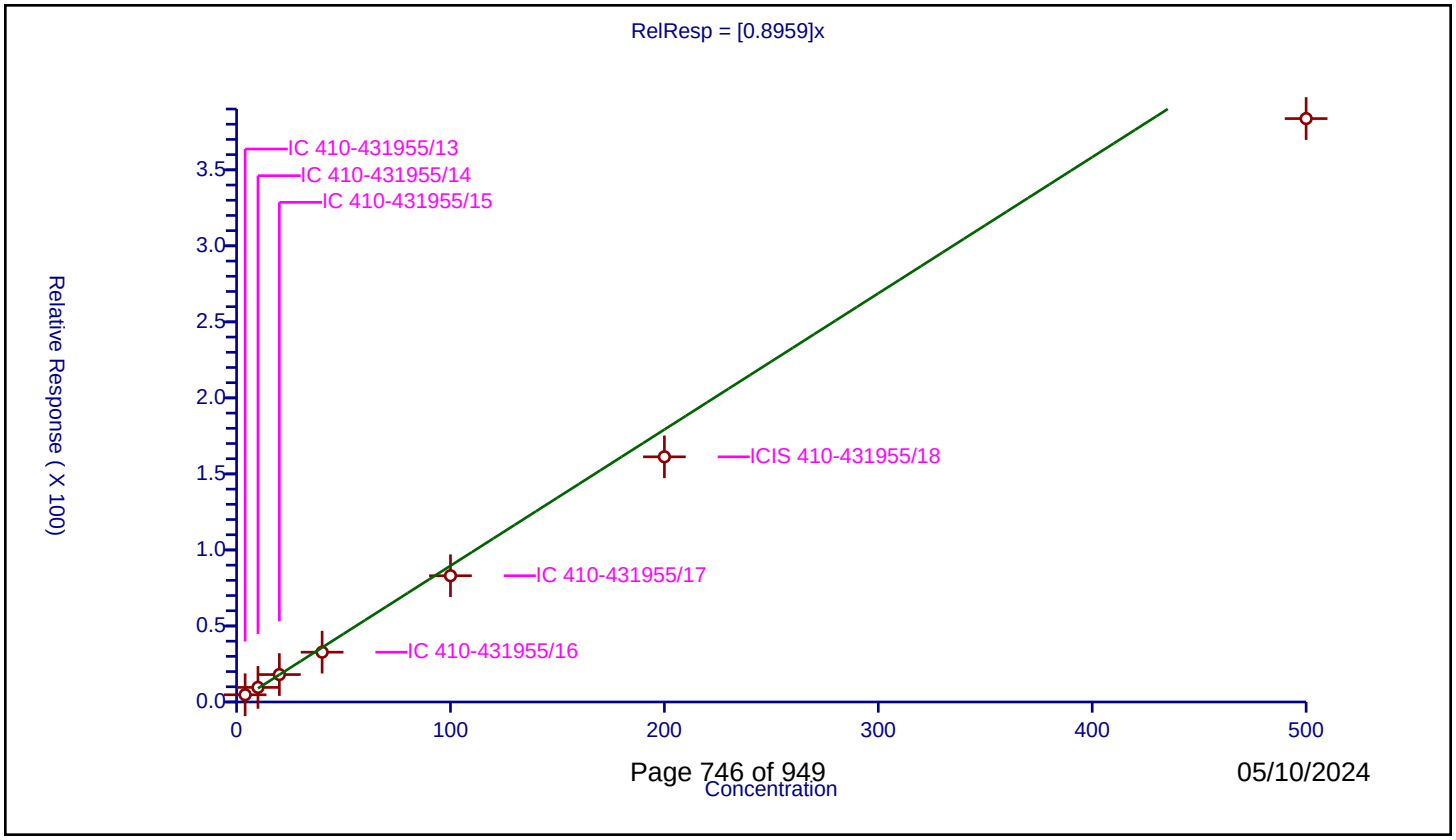
Curve Coefficients

Intercept:	0
Slope:	0.8959

Error Coefficients

Standard Error:	319000
Relative Standard Error:	16.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	4.0	4.748281	50.0	75501.0	1.18707	Y
2	IC 410-431955/14	10.0	9.59271	50.0	75057.0	0.959271	Y
3	IC 410-431955/15	20.0	18.042679	50.0	79384.0	0.902134	Y
4	IC 410-431955/16	40.0	32.75082	50.0	77137.0	0.81877	Y
5	IC 410-431955/17	100.0	83.037944	50.0	78879.0	0.830379	Y
6	ICIS 410-431955/18	200.0	161.234115	50.0	83963.0	0.806171	Y
7	IC 410-431955/19	500.0	383.701613	50.0	93724.0	0.767403	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

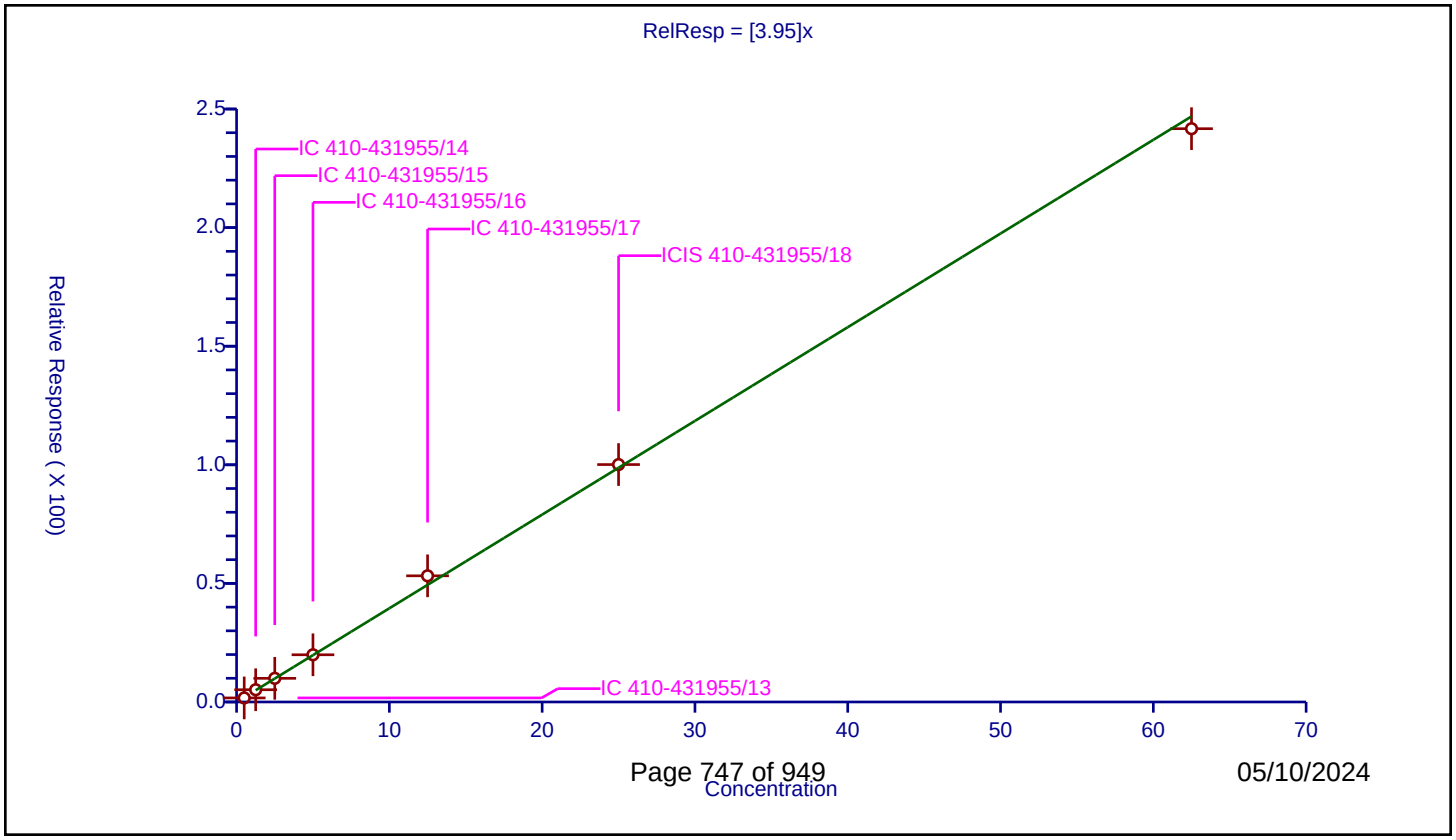
Curve Coefficients

Intercept:	0
Slope:	3.95

Error Coefficients

Standard Error:	201000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.5	1.709911	50.0	75501.0	3.419822	Y
2	IC 410-431955/14	1.25	5.163409	50.0	75057.0	4.130727	Y
3	IC 410-431955/15	2.5	9.98186	50.0	79384.0	3.992744	Y
4	IC 410-431955/16	5.0	19.900307	50.0	77137.0	3.980061	Y
5	IC 410-431955/17	12.5	53.197936	50.0	78879.0	4.255835	Y
6	ICIS 410-431955/18	25.0	100.095876	50.0	83963.0	4.003835	Y
7	IC 410-431955/19	62.5	241.707567	50.0	93724.0	3.867321	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

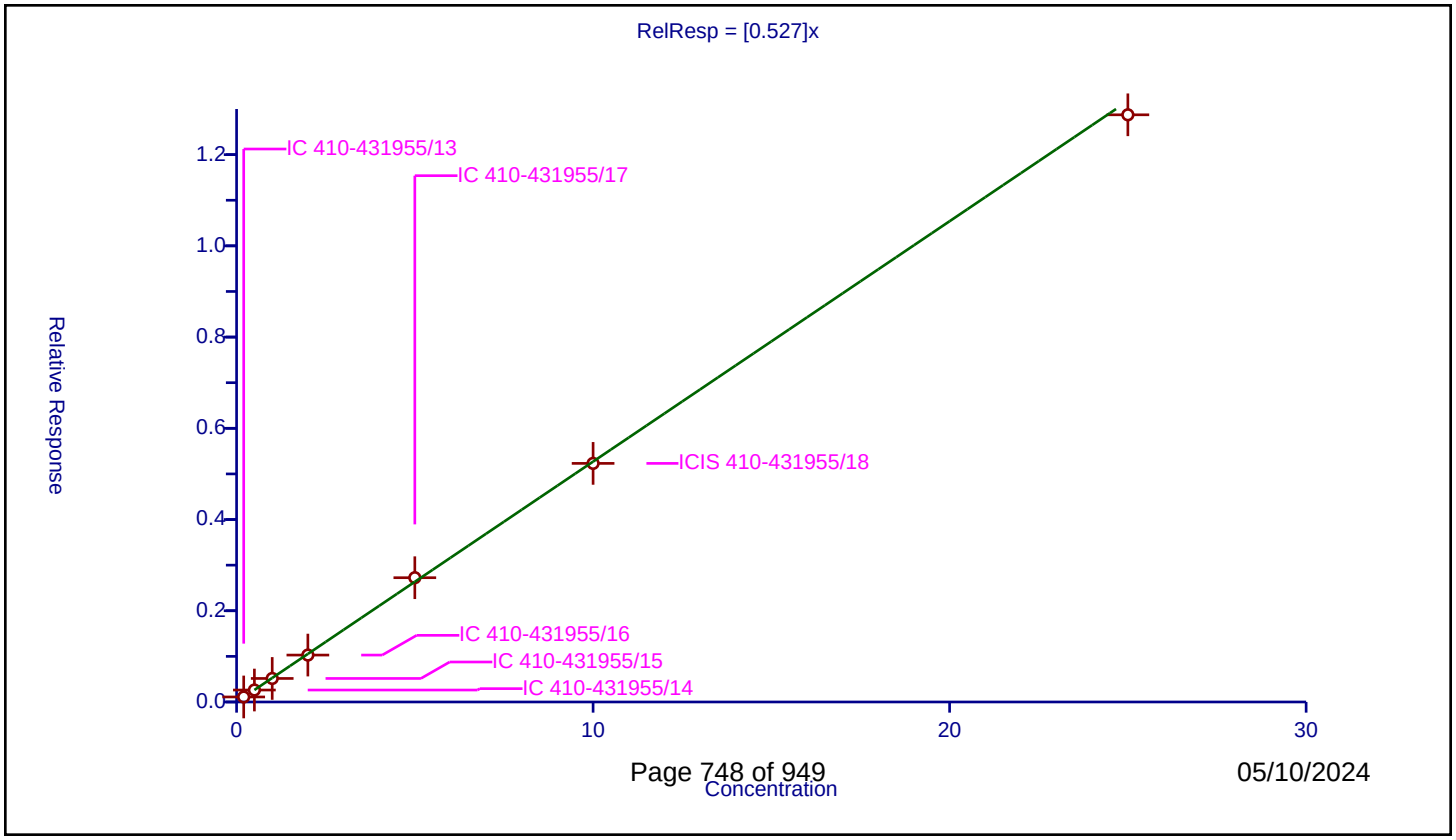
Curve Coefficients

Intercept:	0
Slope:	0.527

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.110304	10.0	1727945.0	0.551522	Y
2	IC 410-431955/14	0.5	0.262256	10.0	1732238.0	0.524512	Y
3	IC 410-431955/15	1.0	0.515777	10.0	1719834.0	0.515777	Y
4	IC 410-431955/16	2.0	1.028644	10.0	1746844.0	0.514322	Y
5	IC 410-431955/17	5.0	2.724387	10.0	1767939.0	0.544877	Y
6	ICIS 410-431955/18	10.0	5.230951	10.0	1790766.0	0.523095	Y
7	IC 410-431955/19	25.0	12.873394	10.0	1875183.0	0.514936	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

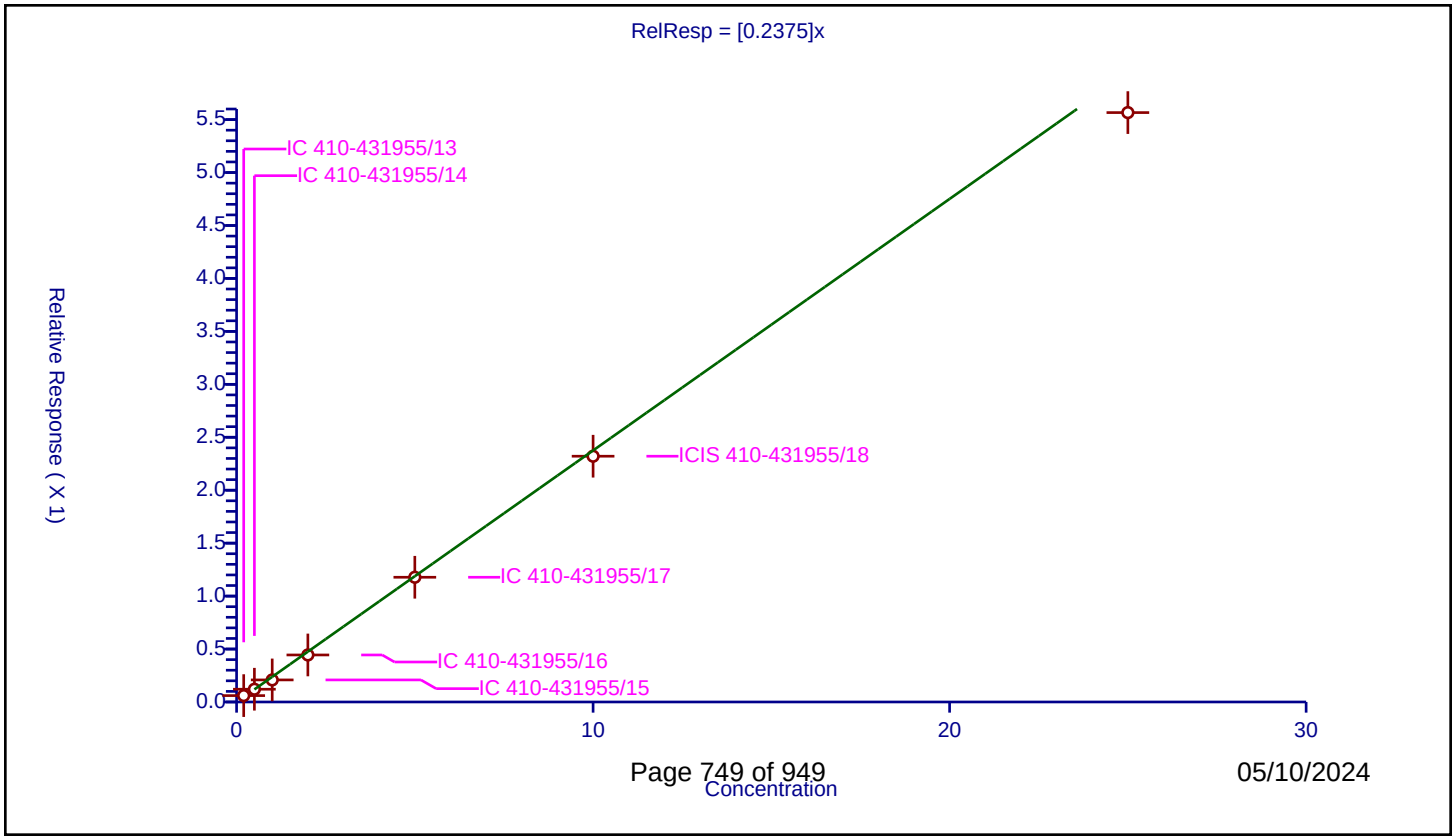
Curve Coefficients

Intercept:	0
Slope:	0.2375

Error Coefficients

Standard Error:	468000
Relative Standard Error:	12.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.06021	10.0	1727945.0	0.301051	Y
2	IC 410-431955/14	0.5	0.120486	10.0	1732238.0	0.240972	Y
3	IC 410-431955/15	1.0	0.208352	10.0	1719834.0	0.208352	Y
4	IC 410-431955/16	2.0	0.444161	10.0	1746844.0	0.222081	Y
5	IC 410-431955/17	5.0	1.17788	10.0	1767939.0	0.235576	Y
6	ICIS 410-431955/18	10.0	2.321169	10.0	1790766.0	0.232117	Y
7	IC 410-431955/19	25.0	5.566342	10.0	1875183.0	0.222654	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

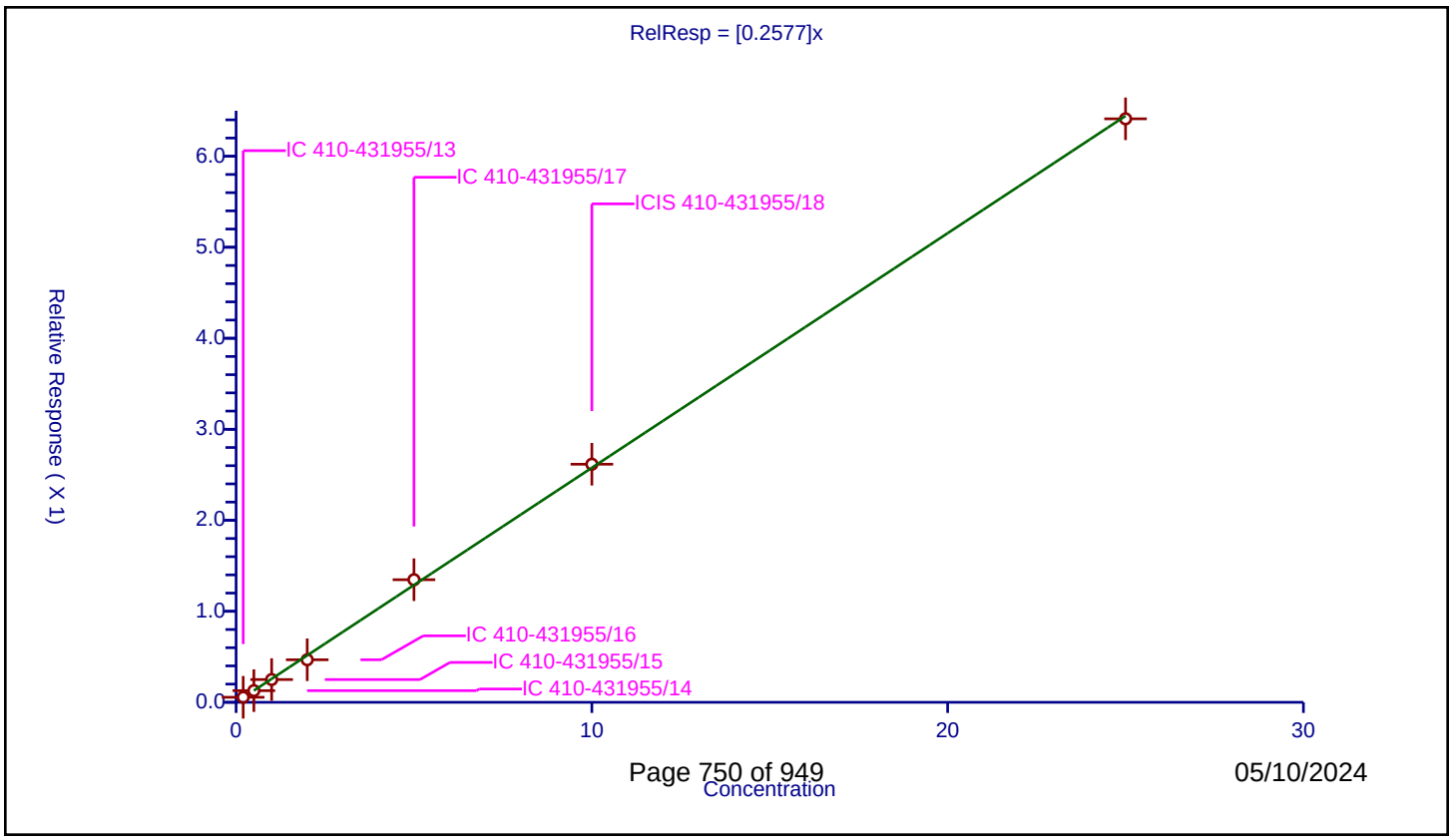
Curve Coefficients

Intercept:	0
Slope:	0.2577

Error Coefficients

Standard Error:	537000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.055332	10.0	1727945.0	0.276658	Y
2	IC 410-431955/14	0.5	0.128083	10.0	1732238.0	0.256166	Y
3	IC 410-431955/15	1.0	0.250065	10.0	1719834.0	0.250065	Y
4	IC 410-431955/16	2.0	0.467443	10.0	1746844.0	0.233722	Y
5	IC 410-431955/17	5.0	1.347066	10.0	1767939.0	0.269413	Y
6	ICIS 410-431955/18	10.0	2.615942	10.0	1790766.0	0.261594	Y
7	IC 410-431955/19	25.0	6.411284	10.0	1875183.0	0.256451	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

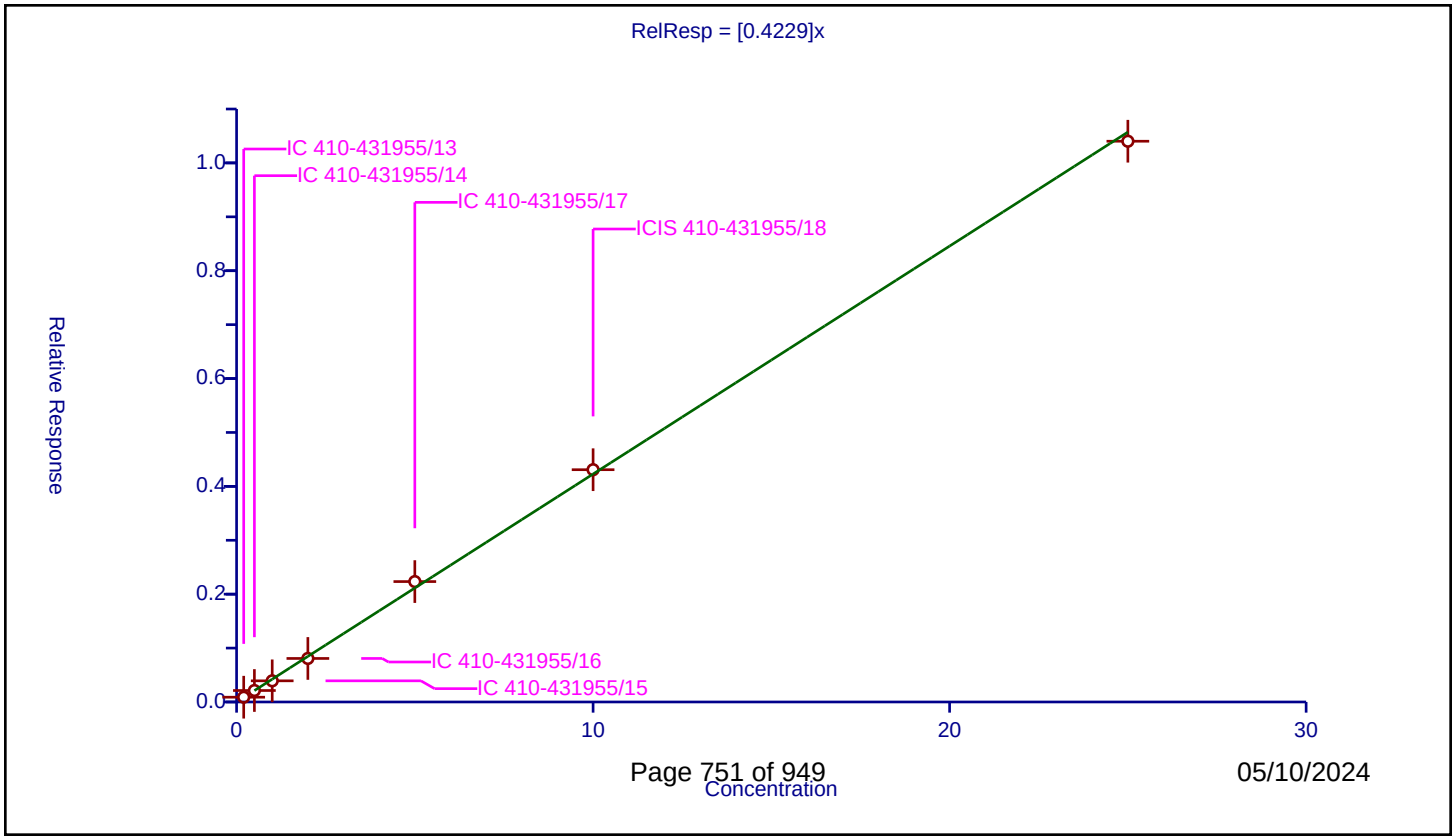
Curve Coefficients

Intercept:	0
Slope:	0.4229

Error Coefficients

Standard Error:	874000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.088788	10.0	1727945.0	0.443938	Y
2	IC 410-431955/14	0.5	0.213048	10.0	1732238.0	0.426096	Y
3	IC 410-431955/15	1.0	0.392456	10.0	1719834.0	0.392456	Y
4	IC 410-431955/16	2.0	0.807742	10.0	1746844.0	0.403871	Y
5	IC 410-431955/17	5.0	2.233567	10.0	1767939.0	0.446713	Y
6	ICIS 410-431955/18	10.0	4.308743	10.0	1790766.0	0.430874	Y
7	IC 410-431955/19	25.0	10.40227	10.0	1875183.0	0.416091	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

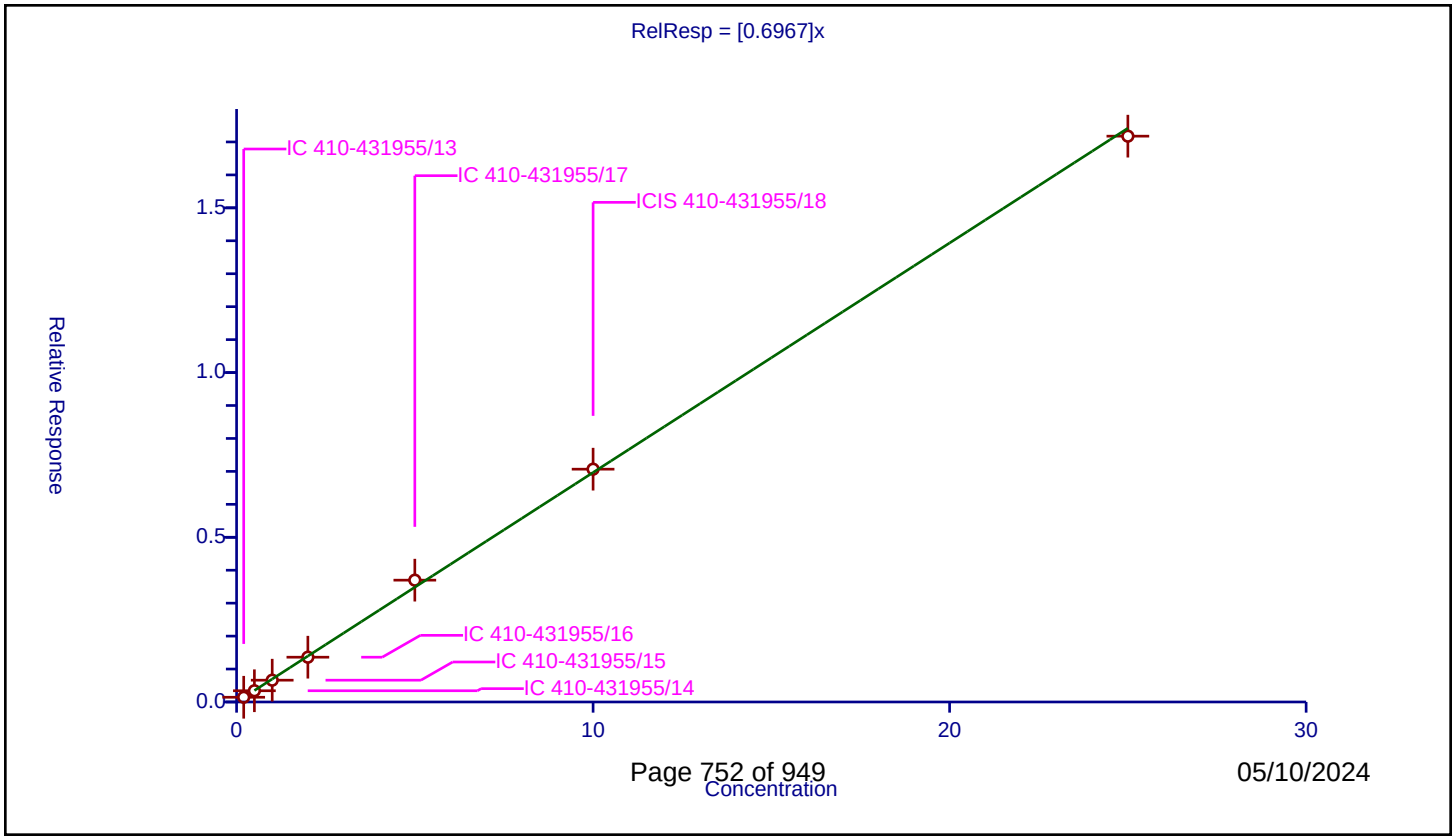
Curve Coefficients

Intercept:	0
Slope:	0.6967

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.143865	10.0	1727945.0	0.719323	Y
2	IC 410-431955/14	0.5	0.341304	10.0	1732238.0	0.682608	Y
3	IC 410-431955/15	1.0	0.661622	10.0	1719834.0	0.661622	Y
4	IC 410-431955/16	2.0	1.359309	10.0	1746844.0	0.679654	Y
5	IC 410-431955/17	5.0	3.69795	10.0	1767939.0	0.73959	Y
6	ICIS 410-431955/18	10.0	7.067411	10.0	1790766.0	0.706741	Y
7	IC 410-431955/19	25.0	17.176089	10.0	1875183.0	0.687044	Y



05/10/2024

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

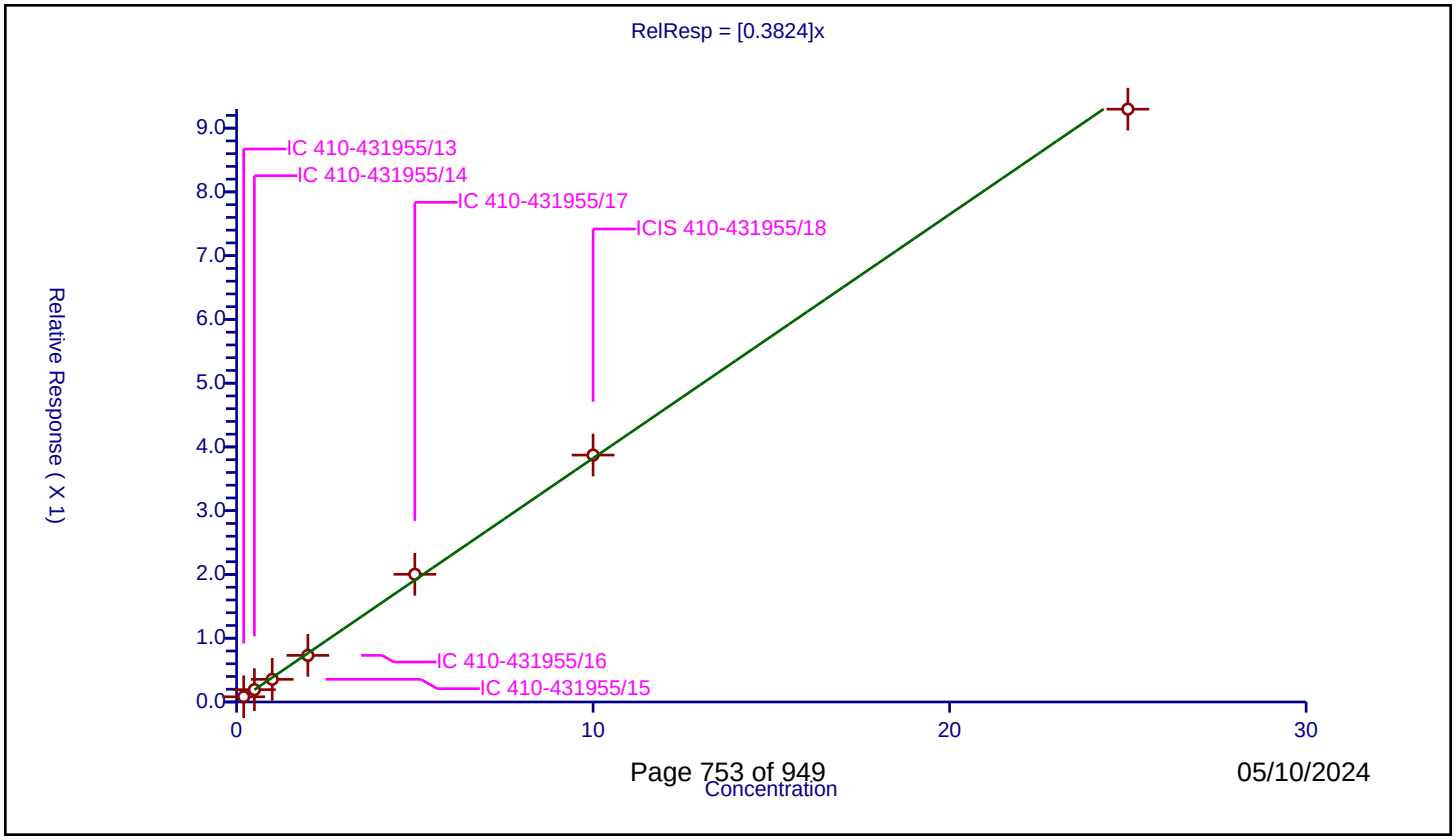
Curve Coefficients

Intercept:	0
Slope:	0.3824

Error Coefficients

Standard Error:	782000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.081907	10.0	1727945.0	0.409533	Y
2	IC 410-431955/14	0.5	0.193357	10.0	1732238.0	0.386714	Y
3	IC 410-431955/15	1.0	0.355156	10.0	1719834.0	0.355156	Y
4	IC 410-431955/16	2.0	0.730895	10.0	1746844.0	0.365448	Y
5	IC 410-431955/17	5.0	2.002886	10.0	1767939.0	0.400577	Y
6	ICIS 410-431955/18	10.0	3.872415	10.0	1790766.0	0.387242	Y
7	IC 410-431955/19	25.0	9.298111	10.0	1875183.0	0.371924	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

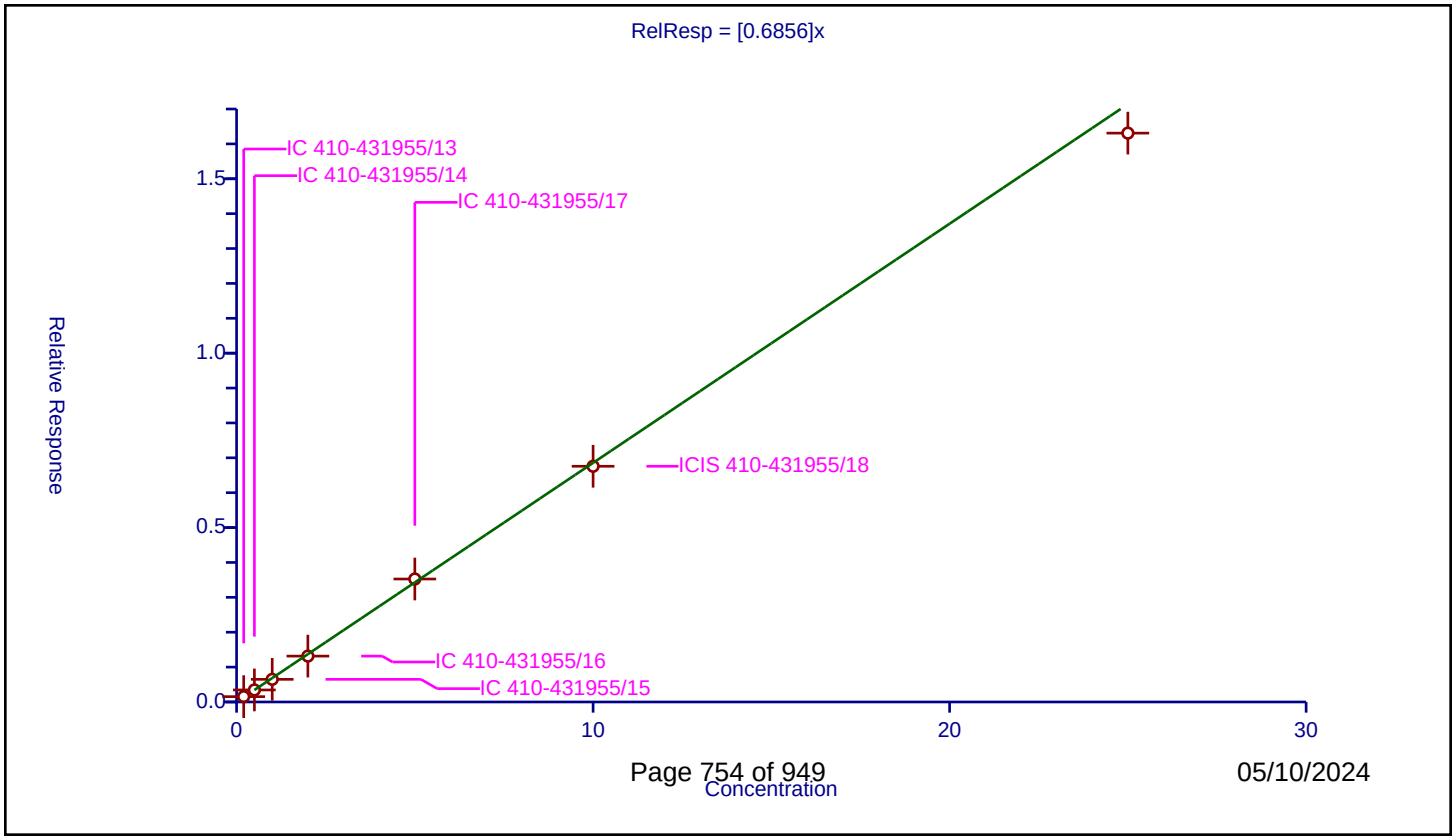
Curve Coefficients

Intercept:	0
Slope:	0.6856

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.153471	10.0	1727945.0	0.767357	Y
2	IC 410-431955/14	0.5	0.345466	10.0	1732238.0	0.690933	Y
3	IC 410-431955/15	1.0	0.649615	10.0	1719834.0	0.649615	Y
4	IC 410-431955/16	2.0	1.315504	10.0	1746844.0	0.657752	Y
5	IC 410-431955/17	5.0	3.525755	10.0	1767939.0	0.705151	Y
6	ICIS 410-431955/18	10.0	6.757779	10.0	1790766.0	0.675778	Y
7	IC 410-431955/19	25.0	16.30868	10.0	1875183.0	0.652347	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

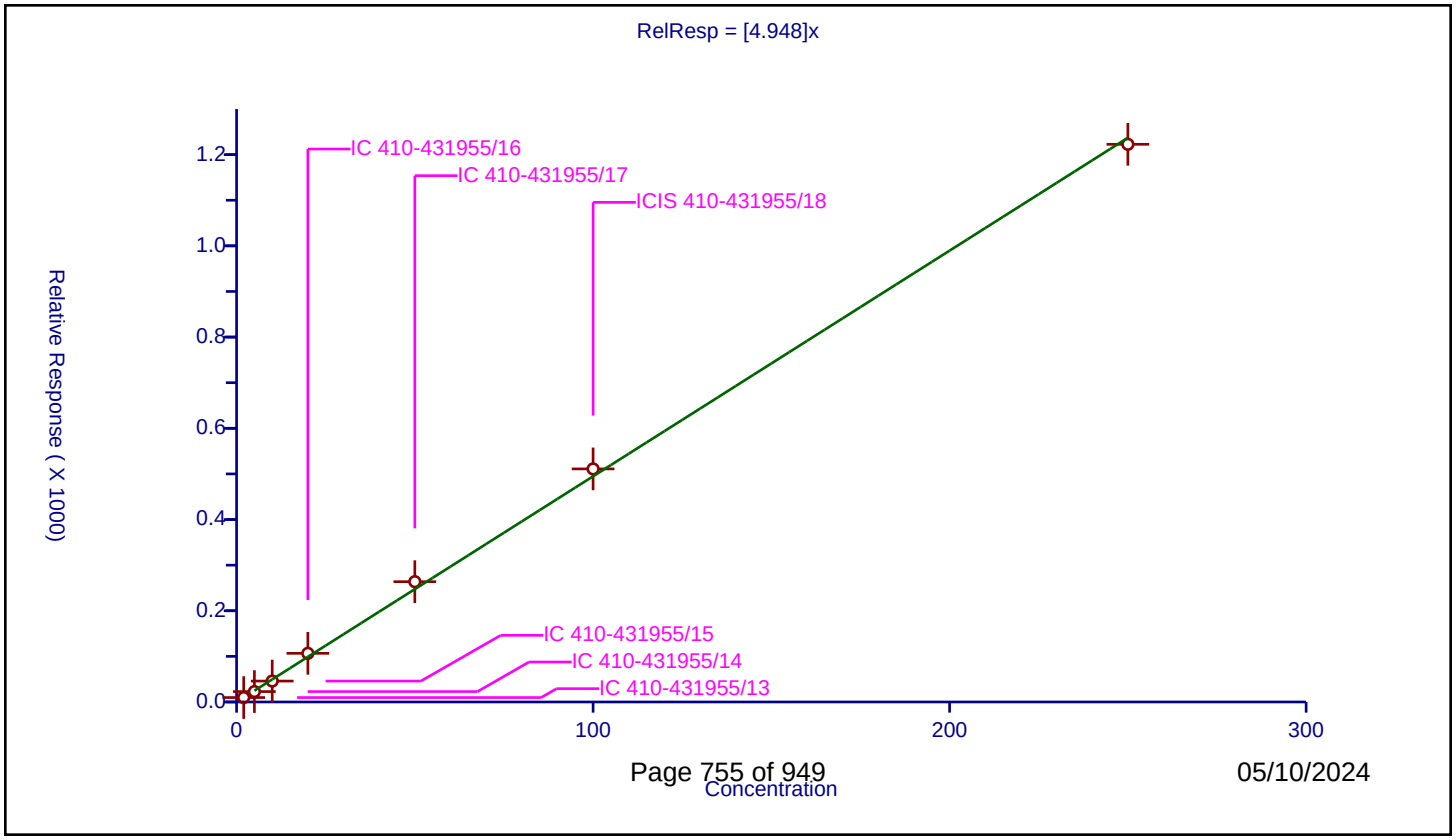
Curve Coefficients

Intercept:	0
Slope:	4.948

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	2.0	9.754175	50.0	75501.0	4.877088	Y
2	IC 410-431955/14	5.0	22.817325	50.0	75057.0	4.563465	Y
3	IC 410-431955/15	10.0	45.854958	50.0	79384.0	4.585496	Y
4	IC 410-431955/16	20.0	106.636245	50.0	77137.0	5.331812	Y
5	IC 410-431955/17	50.0	263.755879	50.0	78879.0	5.275118	Y
6	ICIS 410-431955/18	100.0	510.987578	50.0	83963.0	5.109876	Y
7	IC 410-431955/19	250.0	1222.63401	50.0	93724.0	4.890536	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

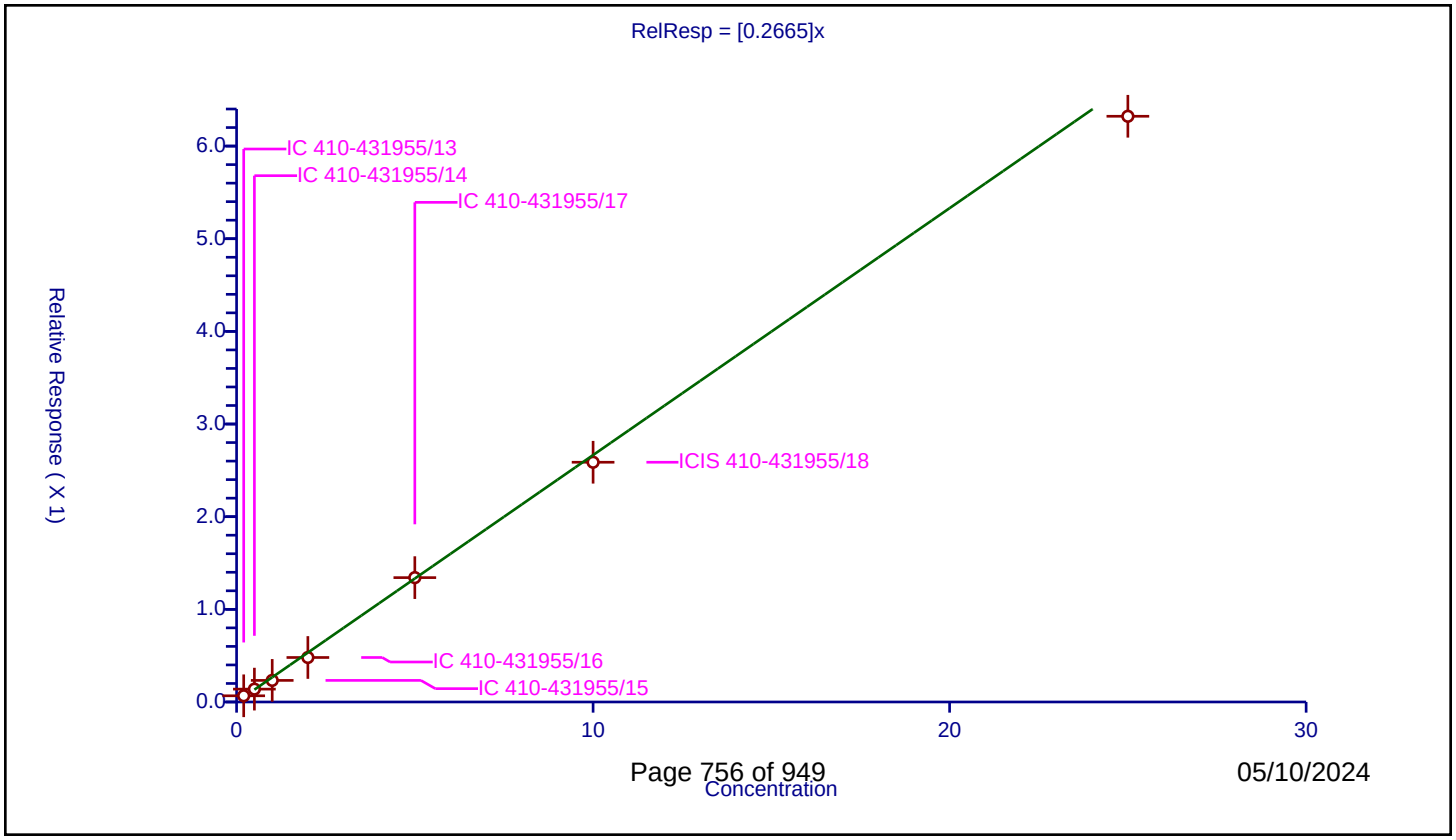
Curve Coefficients

Intercept:	0
Slope:	0.2665

Error Coefficients

Standard Error:	530000
Relative Standard Error:	12.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.06686	10.0	1727945.0	0.334299	Y
2	IC 410-431955/14	0.5	0.138924	10.0	1732238.0	0.277849	Y
3	IC 410-431955/15	1.0	0.233116	10.0	1719834.0	0.233116	Y
4	IC 410-431955/16	2.0	0.480249	10.0	1746844.0	0.240124	Y
5	IC 410-431955/17	5.0	1.342275	10.0	1767939.0	0.268455	Y
6	ICIS 410-431955/18	10.0	2.587569	10.0	1790766.0	0.258757	Y
7	IC 410-431955/19	25.0	6.321634	10.0	1875183.0	0.252865	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

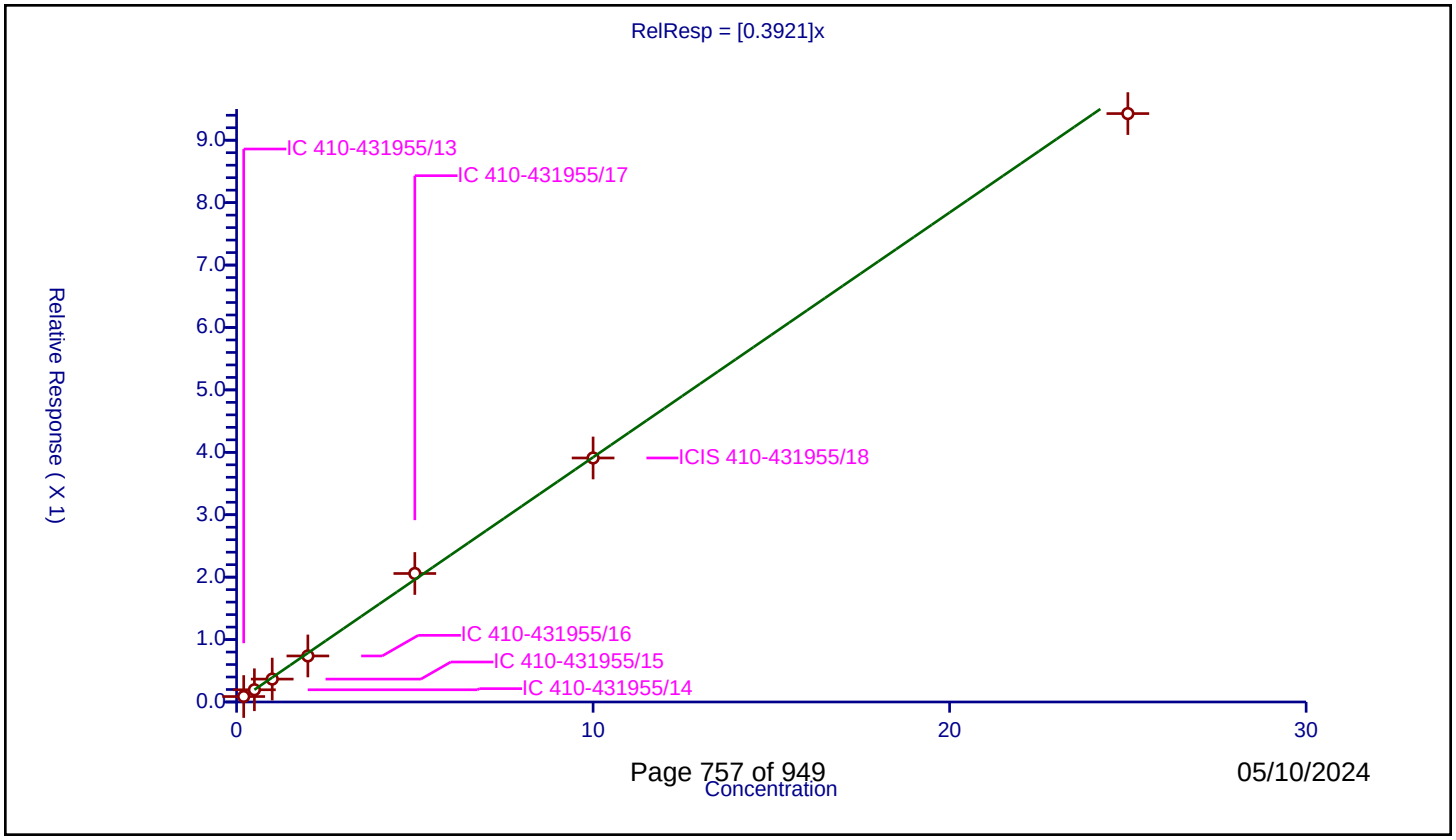
Curve Coefficients

Intercept:	0
Slope:	0.3921

Error Coefficients

Standard Error:	793000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.087497	10.0	1727945.0	0.437485	Y
2	IC 410-431955/14	0.5	0.195874	10.0	1732238.0	0.391748	Y
3	IC 410-431955/15	1.0	0.366861	10.0	1719834.0	0.366861	Y
4	IC 410-431955/16	2.0	0.737662	10.0	1746844.0	0.368831	Y
5	IC 410-431955/17	5.0	2.058714	10.0	1767939.0	0.411743	Y
6	ICIS 410-431955/18	10.0	3.909243	10.0	1790766.0	0.390924	Y
7	IC 410-431955/19	25.0	9.426931	10.0	1875183.0	0.377077	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

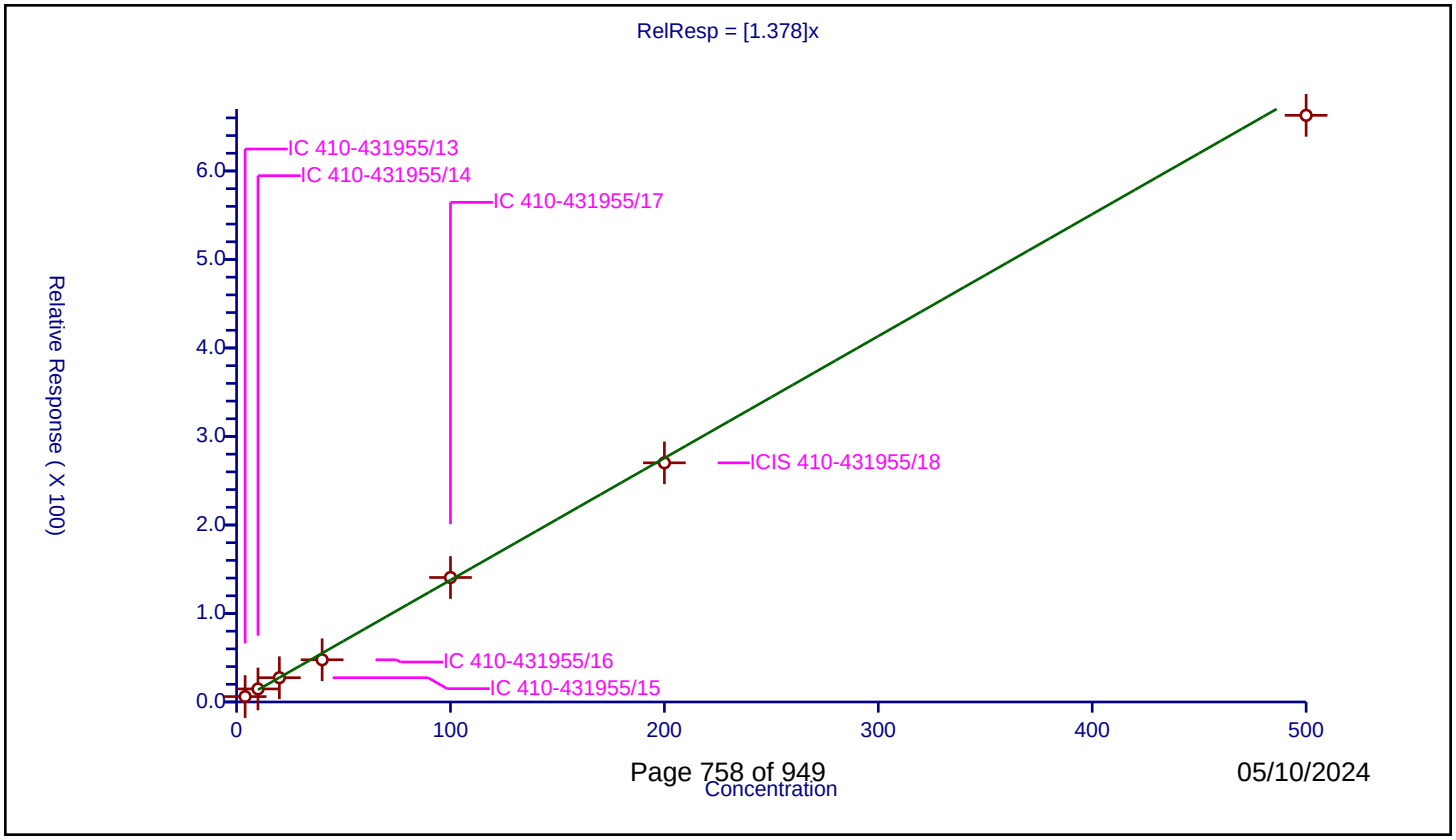
Curve Coefficients

Intercept:	0
Slope:	1.378

Error Coefficients

Standard Error:	548000
Relative Standard Error:	7.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	4.0	6.099919	50.0	75501.0	1.52498	Y
2	IC 410-431955/14	10.0	14.736134	50.0	75057.0	1.473613	Y
3	IC 410-431955/15	20.0	27.421143	50.0	79384.0	1.371057	Y
4	IC 410-431955/16	40.0	47.705381	50.0	77137.0	1.192635	Y
5	IC 410-431955/17	100.0	140.659745	50.0	78879.0	1.406597	Y
6	ICIS 410-431955/18	200.0	270.219025	50.0	83963.0	1.351095	Y
7	IC 410-431955/19	500.0	662.865435	50.0	93724.0	1.325731	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

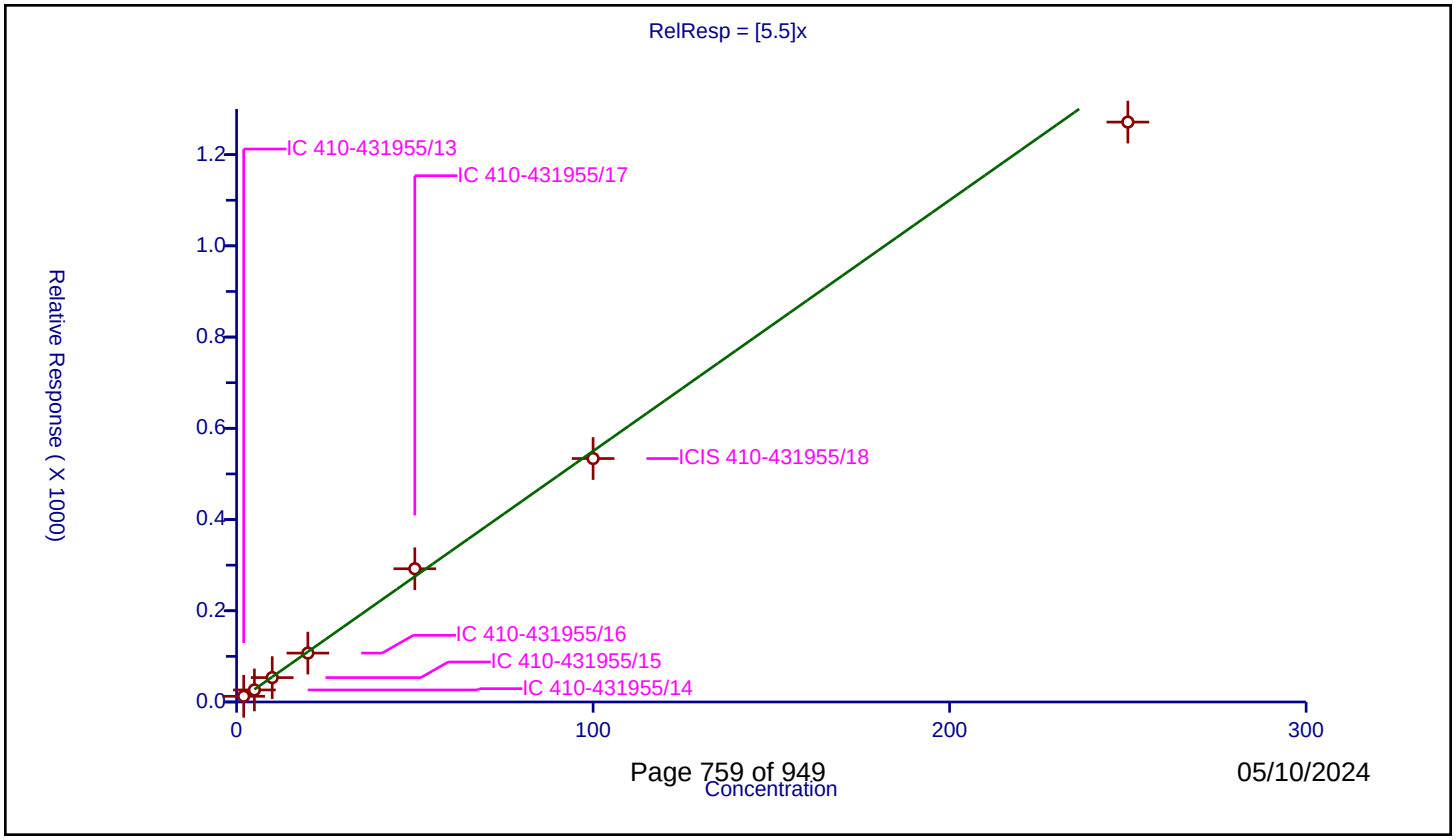
Curve Coefficients

Intercept:	0
Slope:	5.5

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	7.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	2.0	12.50447	50.0	75501.0	6.252235	Y
2	IC 410-431955/14	5.0	26.417922	50.0	75057.0	5.283584	Y
3	IC 410-431955/15	10.0	53.449688	50.0	79384.0	5.344969	Y
4	IC 410-431955/16	20.0	107.162581	50.0	77137.0	5.358129	Y
5	IC 410-431955/17	50.0	292.079641	50.0	78879.0	5.841593	Y
6	ICIS 410-431955/18	100.0	533.723188	50.0	83963.0	5.337232	Y
7	IC 410-431955/19	250.0	1271.369126	50.0	93724.0	5.085477	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

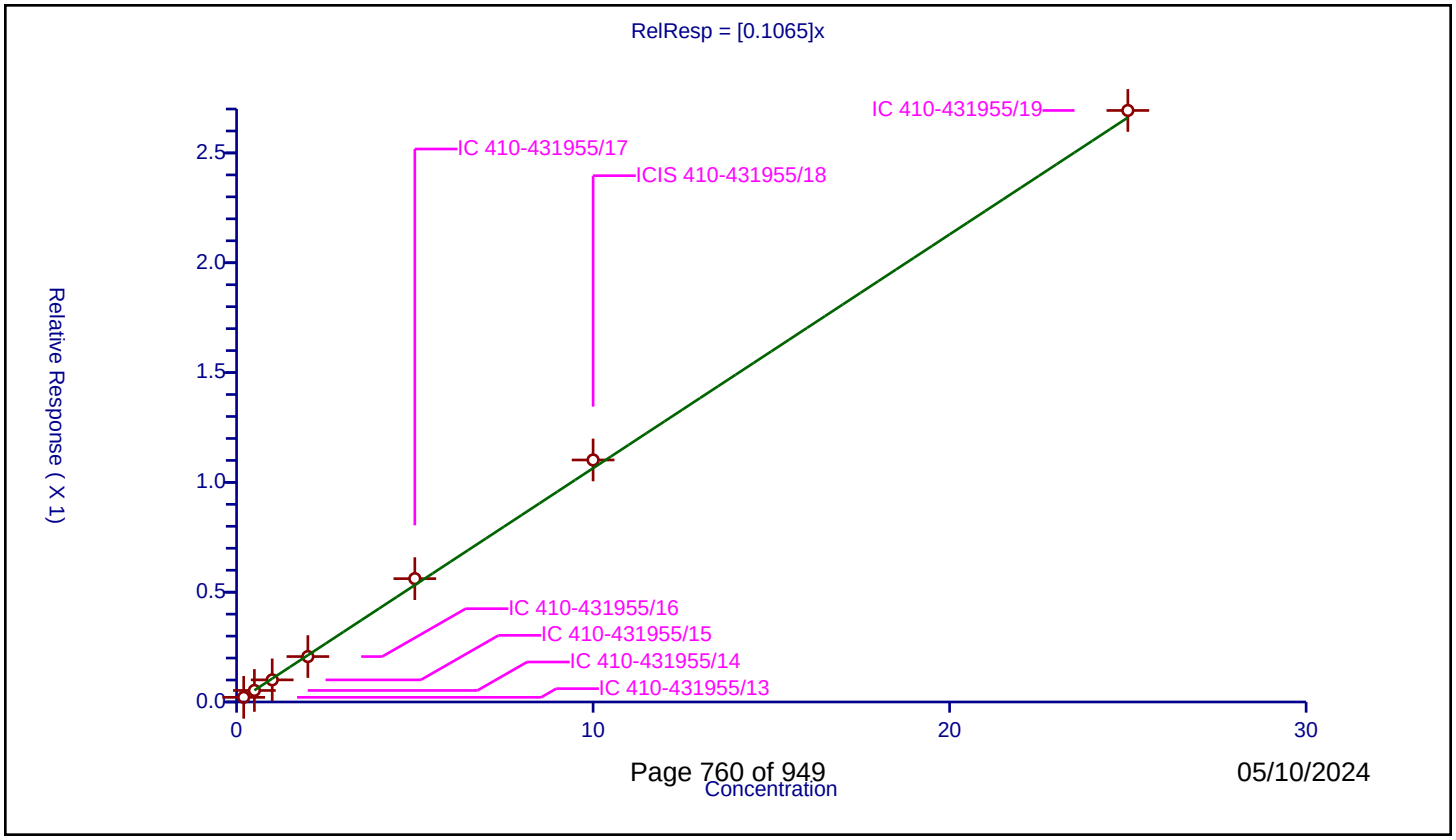
Curve Coefficients

Intercept:	0
Slope:	0.1065

Error Coefficients

Standard Error:	226000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.021158	10.0	1727945.0	0.10579	Y
2	IC 410-431955/14	0.5	0.052475	10.0	1732238.0	0.104951	Y
3	IC 410-431955/15	1.0	0.100696	10.0	1719834.0	0.100696	Y
4	IC 410-431955/16	2.0	0.206899	10.0	1746844.0	0.103449	Y
5	IC 410-431955/17	5.0	0.561665	10.0	1767939.0	0.112333	Y
6	ICIS 410-431955/18	10.0	1.102009	10.0	1790766.0	0.110201	Y
7	IC 410-431955/19	25.0	2.693438	10.0	1875183.0	0.107738	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

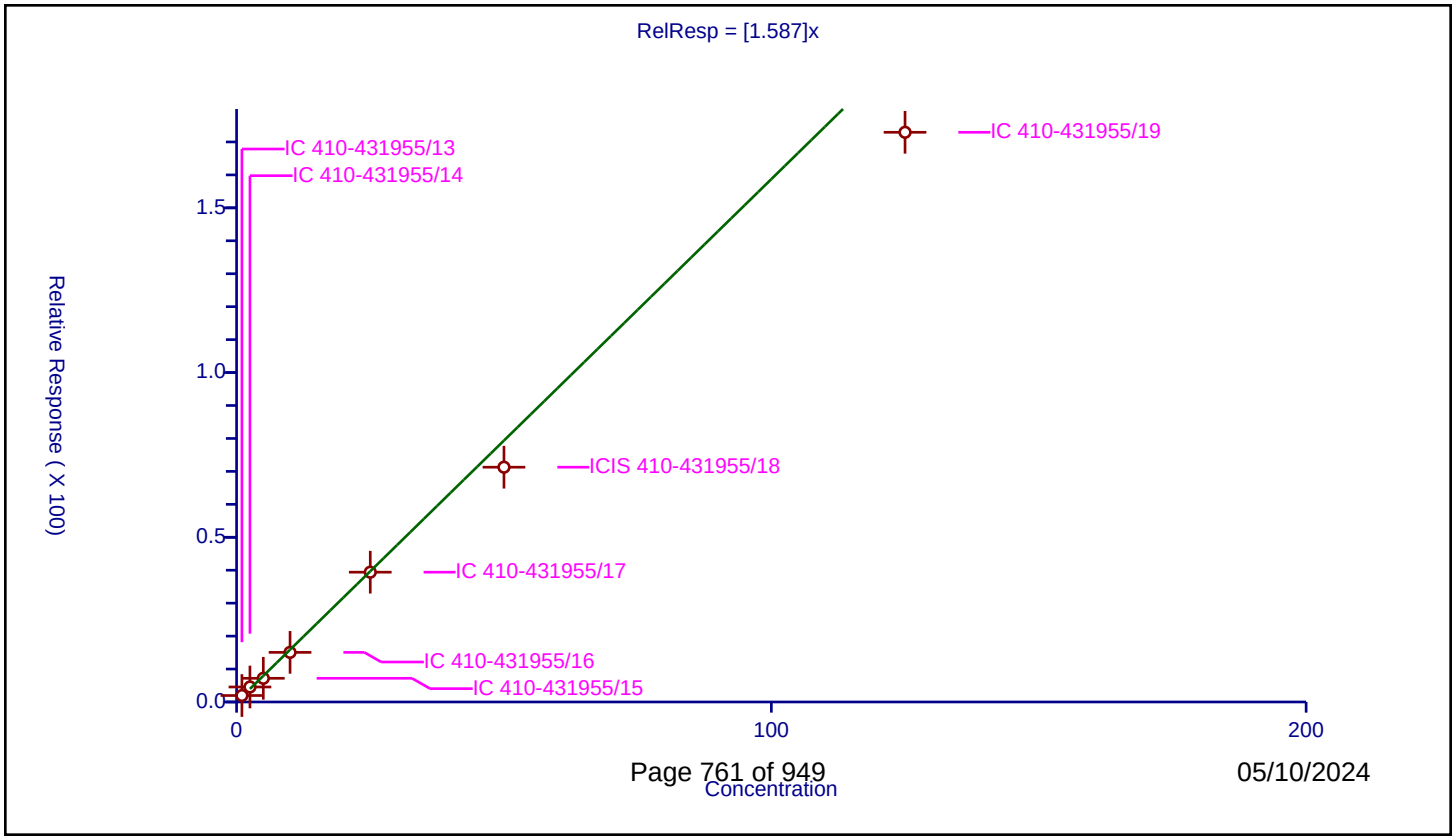
Curve Coefficients

Intercept:	0
Slope:	1.587

Error Coefficients

Standard Error:	144000
Relative Standard Error:	13.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	1.0	1.959577	50.0	75501.0	1.959577	Y
2	IC 410-431955/14	2.5	4.556537	50.0	75057.0	1.822615	Y
3	IC 410-431955/15	5.0	7.188476	50.0	79384.0	1.437695	Y
4	IC 410-431955/16	10.0	15.059569	50.0	77137.0	1.505957	Y
5	IC 410-431955/17	25.0	39.397685	50.0	78879.0	1.575907	Y
6	ICIS 410-431955/18	50.0	71.272465	50.0	83963.0	1.425449	Y
7	IC 410-431955/19	125.0	172.930093	50.0	93724.0	1.383441	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

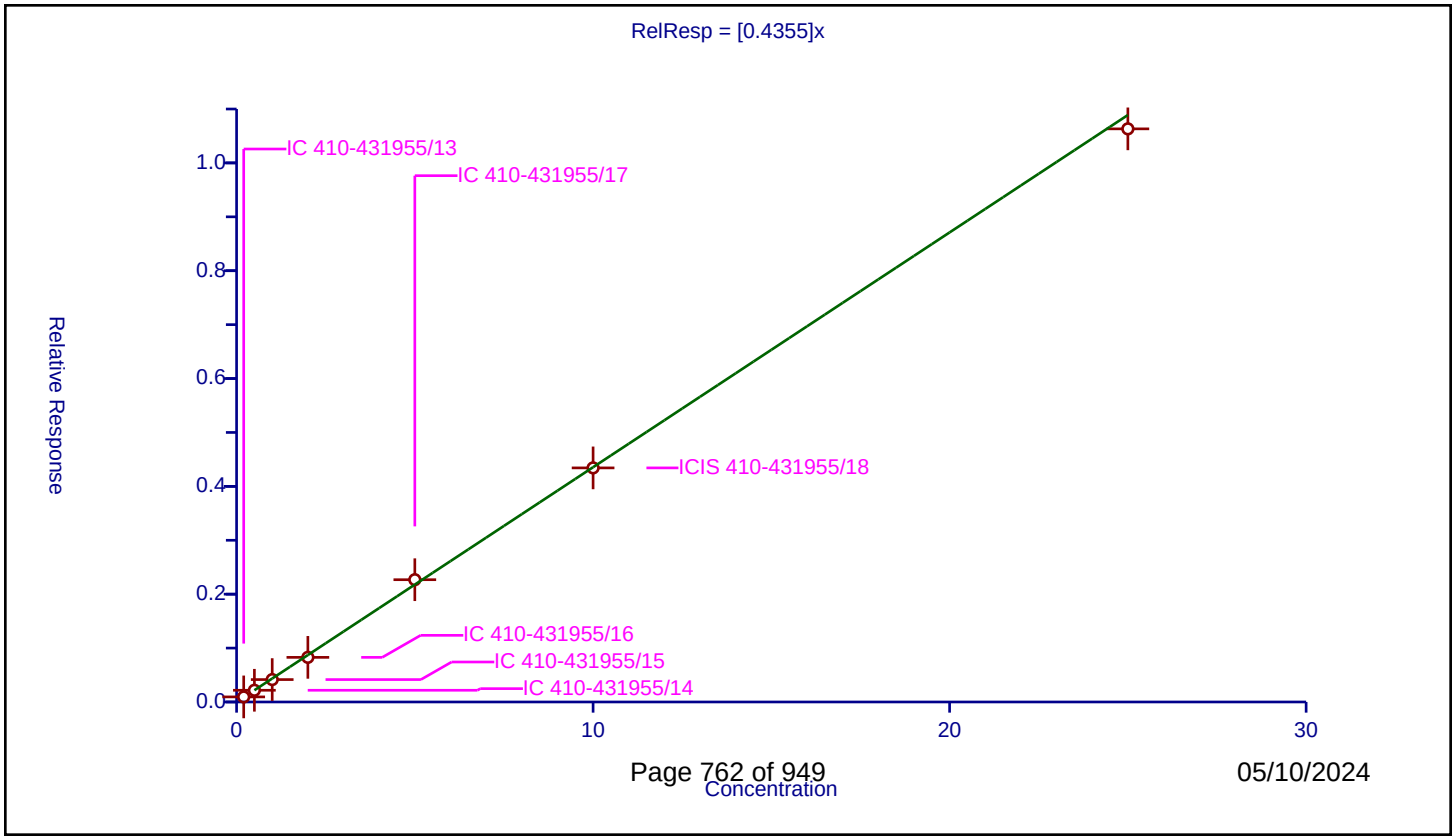
Curve Coefficients

Intercept:	0
Slope:	0.4355

Error Coefficients

Standard Error:	891000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.094129	10.0	1727945.0	0.470646	Y
2	IC 410-431955/14	0.5	0.21758	10.0	1732238.0	0.43516	Y
3	IC 410-431955/15	1.0	0.415581	10.0	1719834.0	0.415581	Y
4	IC 410-431955/16	2.0	0.828088	10.0	1746844.0	0.414044	Y
5	IC 410-431955/17	5.0	2.268528	10.0	1767939.0	0.453706	Y
6	ICIS 410-431955/18	10.0	4.342583	10.0	1790766.0	0.434258	Y
7	IC 410-431955/19	25.0	10.632141	10.0	1875183.0	0.425286	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

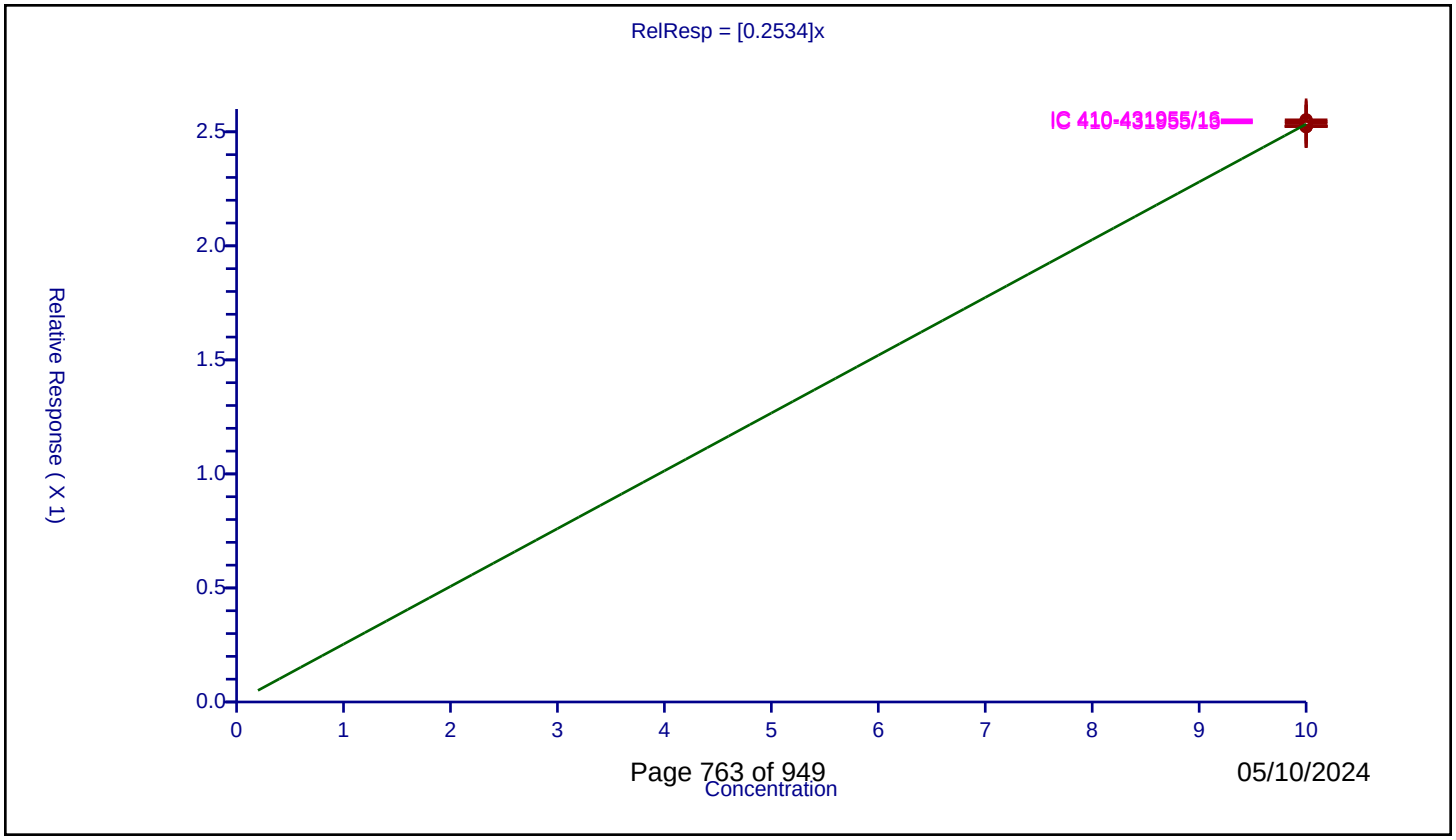
Curve Coefficients

Intercept:	0
Slope:	0.2534

Error Coefficients

Standard Error:	483000
Relative Standard Error:	0.5
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	10.0	2.539282	10.0	1727945.0	0.253928	Y
2	IC 410-431955/14	10.0	2.523089	10.0	1732238.0	0.252309	Y
3	IC 410-431955/15	10.0	2.544641	10.0	1719834.0	0.254464	Y
4	IC 410-431955/16	10.0	2.552684	10.0	1746844.0	0.255268	Y
5	IC 410-431955/17	10.0	2.524324	10.0	1767939.0	0.252432	Y
6	ICIS 410-431955/18	10.0	2.528108	10.0	1790766.0	0.252811	Y
7	IC 410-431955/19	10.0	2.52337	10.0	1875183.0	0.252337	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

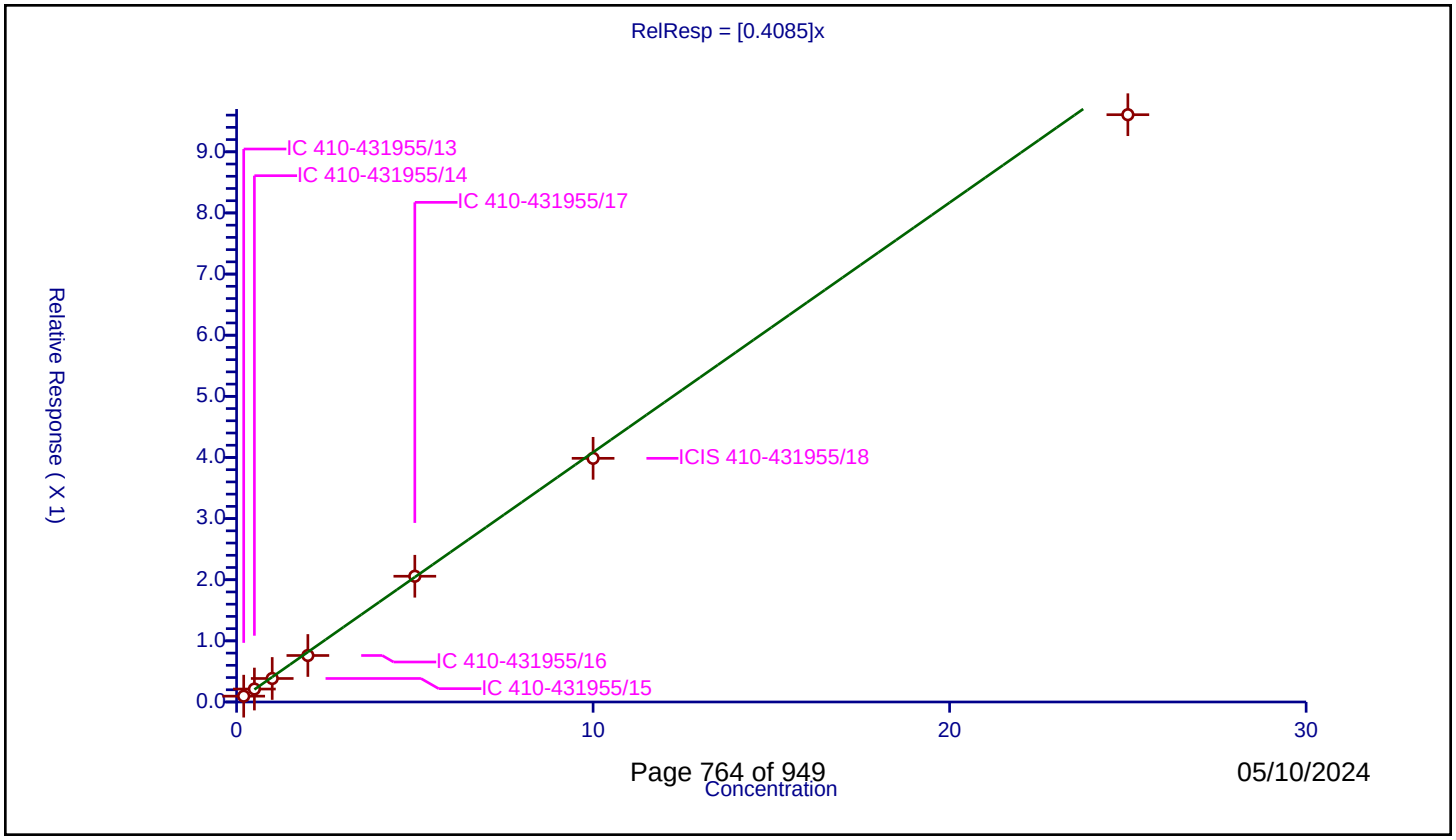
Curve Coefficients

Intercept:	0
Slope:	0.4085

Error Coefficients

Standard Error:	807000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.095287	10.0	1727945.0	0.476433	Y
2	IC 410-431955/14	0.5	0.211928	10.0	1732238.0	0.423856	Y
3	IC 410-431955/15	1.0	0.384409	10.0	1719834.0	0.384409	Y
4	IC 410-431955/16	2.0	0.760434	10.0	1746844.0	0.380217	Y
5	IC 410-431955/17	5.0	2.057045	10.0	1767939.0	0.411409	Y
6	ICIS 410-431955/18	10.0	3.985758	10.0	1790766.0	0.398576	Y
7	IC 410-431955/19	25.0	9.607041	10.0	1875183.0	0.384282	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

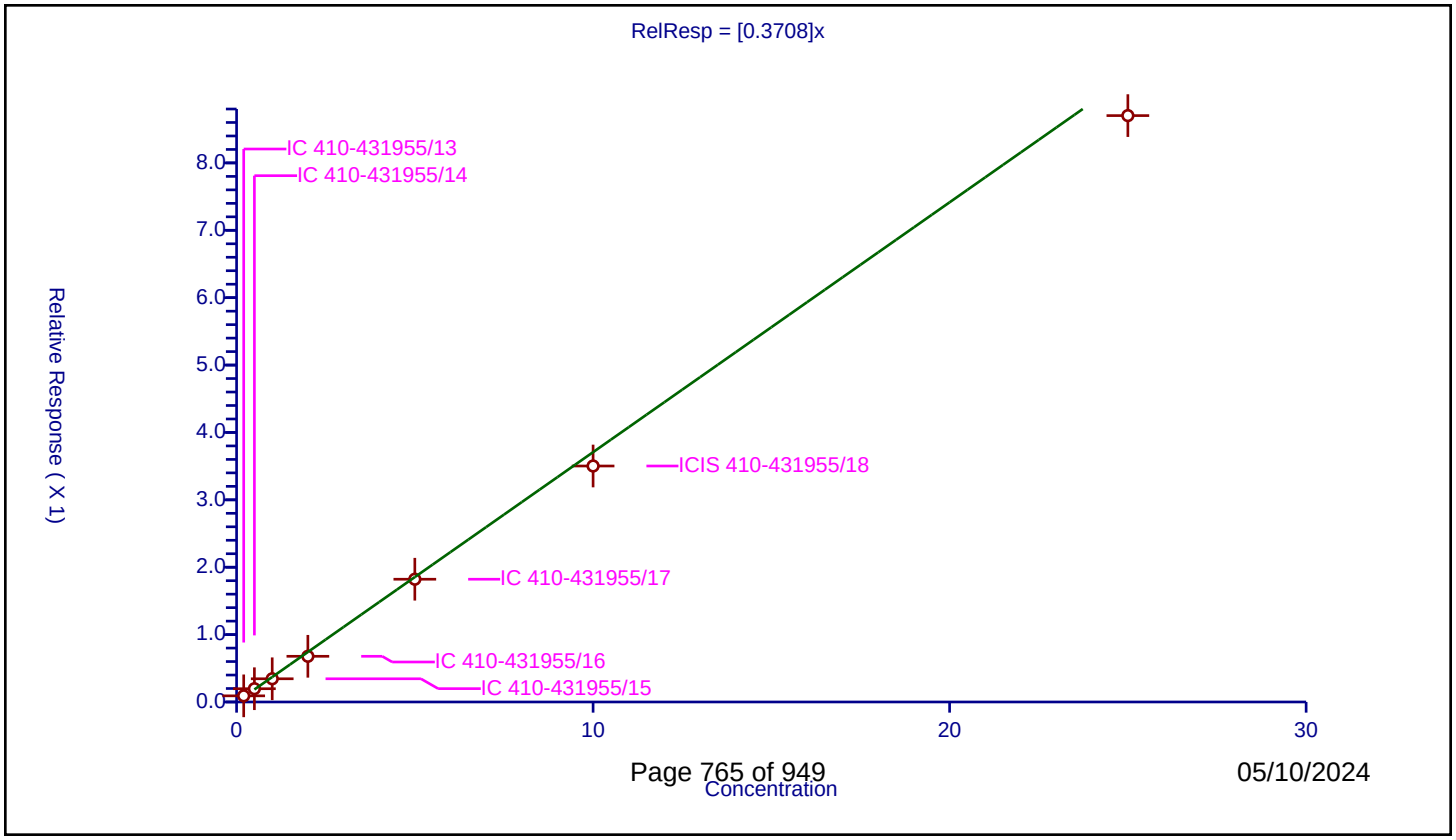
Curve Coefficients

Intercept:	0
Slope:	0.3708

Error Coefficients

Standard Error:	728000
Relative Standard Error:	11.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.091097	10.0	1727945.0	0.455483	Y
2	IC 410-431955/14	0.5	0.196896	10.0	1732238.0	0.393791	Y
3	IC 410-431955/15	1.0	0.34437	10.0	1719834.0	0.34437	Y
4	IC 410-431955/16	2.0	0.678235	10.0	1746844.0	0.339117	Y
5	IC 410-431955/17	5.0	1.821635	10.0	1767939.0	0.364327	Y
6	ICIS 410-431955/18	10.0	3.502077	10.0	1790766.0	0.350208	Y
7	IC 410-431955/19	25.0	8.702153	10.0	1875183.0	0.348086	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

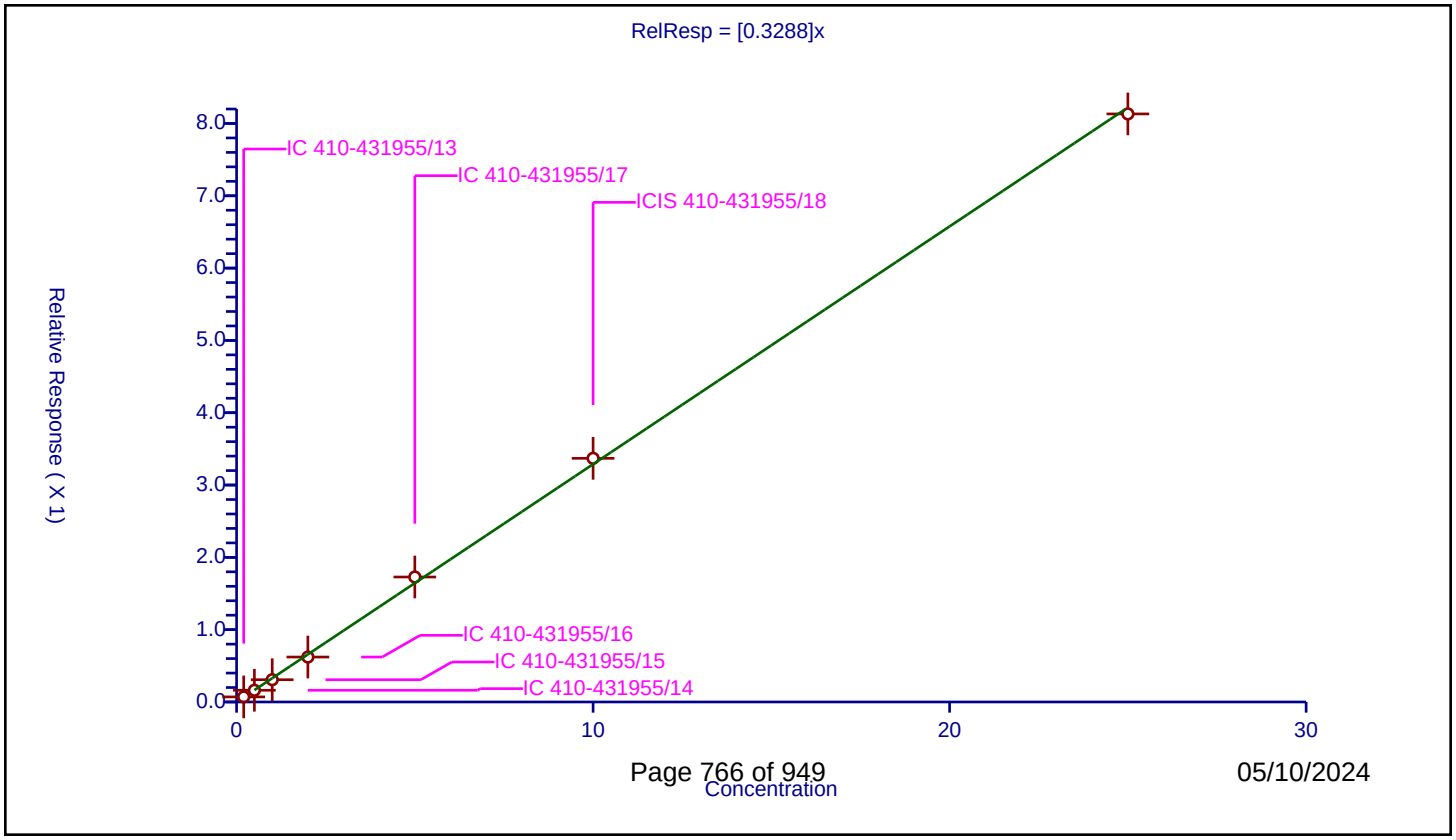
Curve Coefficients

Intercept:	0
Slope:	0.3288

Error Coefficients

Standard Error:	683000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.070147	10.0	1727945.0	0.350735	Y
2	IC 410-431955/14	0.5	0.162218	10.0	1732238.0	0.324436	Y
3	IC 410-431955/15	1.0	0.308012	10.0	1719834.0	0.308012	Y
4	IC 410-431955/16	2.0	0.621509	10.0	1746844.0	0.310755	Y
5	IC 410-431955/17	5.0	1.728137	10.0	1767939.0	0.345627	Y
6	ICIS 410-431955/18	10.0	3.369519	10.0	1790766.0	0.336952	Y
7	IC 410-431955/19	25.0	8.132134	10.0	1875183.0	0.325285	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

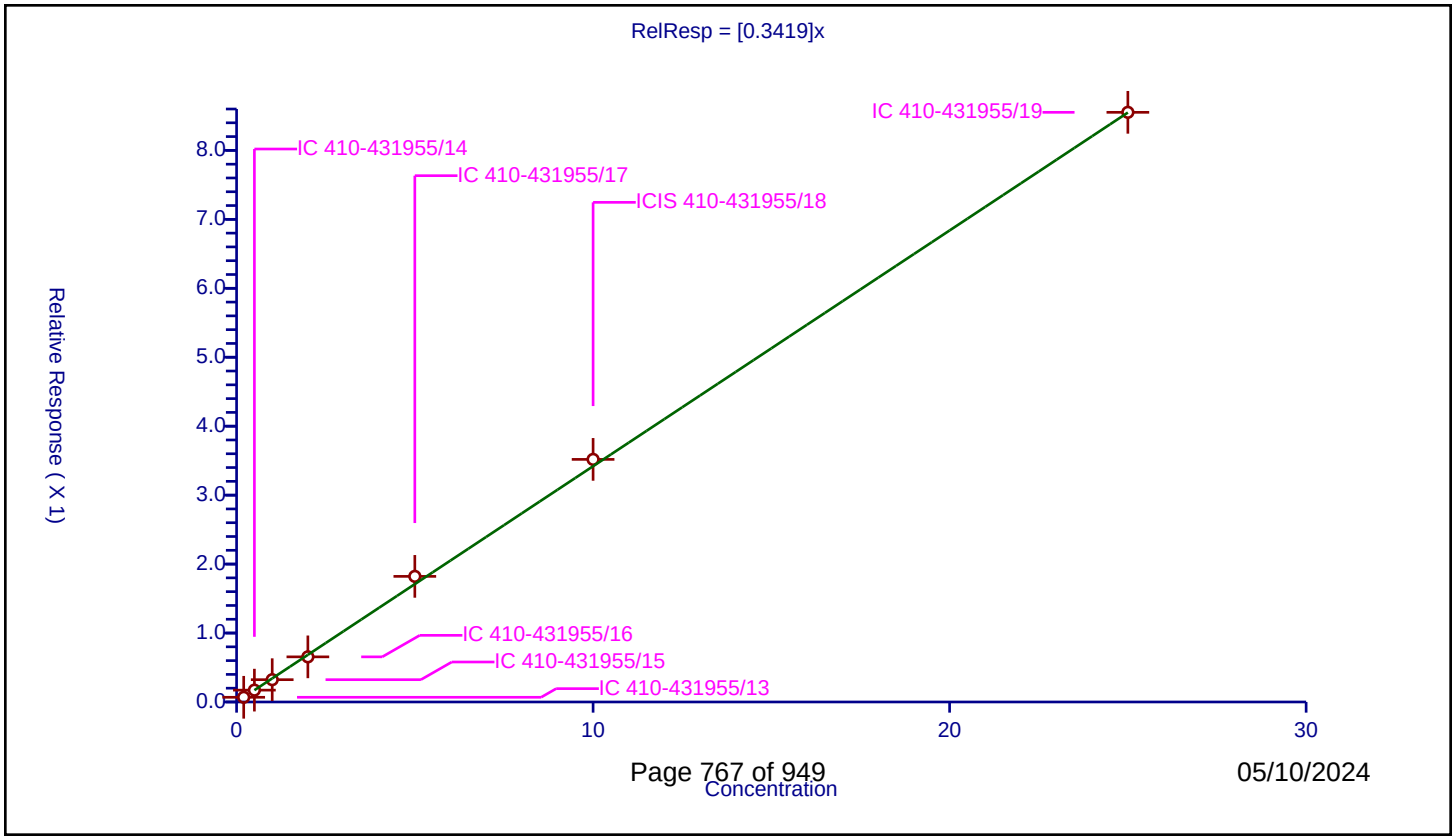
Curve Coefficients

Intercept:	0
Slope:	0.3419

Error Coefficients

Standard Error:	718000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.068156	10.0	1727945.0	0.340781	Y
2	IC 410-431955/14	0.5	0.171824	10.0	1732238.0	0.343648	Y
3	IC 410-431955/15	1.0	0.323479	10.0	1719834.0	0.323479	Y
4	IC 410-431955/16	2.0	0.654752	10.0	1746844.0	0.327376	Y
5	IC 410-431955/17	5.0	1.821907	10.0	1767939.0	0.364381	Y
6	ICIS 410-431955/18	10.0	3.518293	10.0	1790766.0	0.351829	Y
7	IC 410-431955/19	25.0	8.551976	10.0	1875183.0	0.342079	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

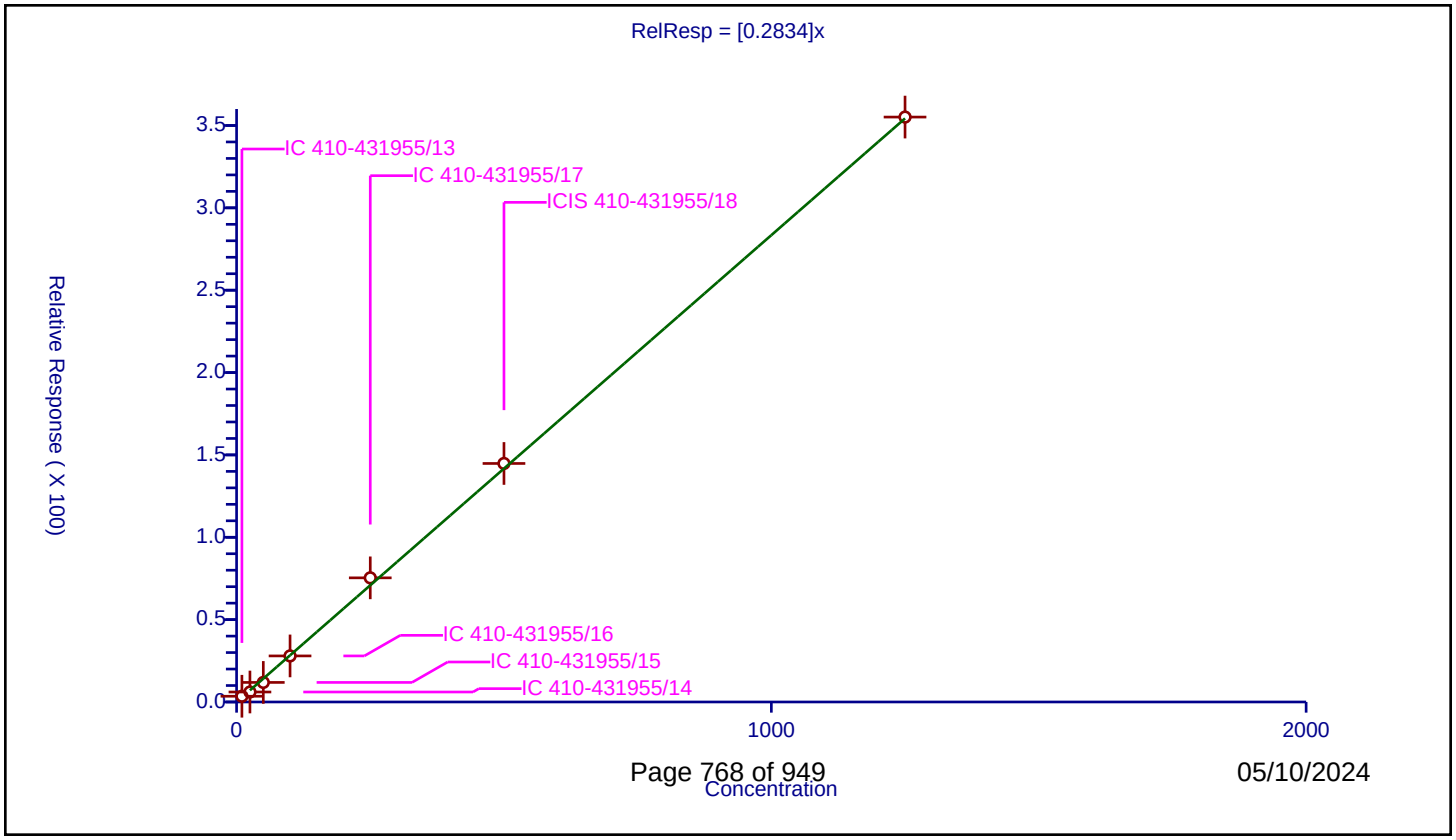
Curve Coefficients

Intercept:	0
Slope:	0.2834

Error Coefficients

Standard Error:	294000
Relative Standard Error:	13.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	10.0	3.49002	50.0	75501.0	0.349002	Y
2	IC 410-431955/14	25.0	6.064724	50.0	75057.0	0.242589	Y
3	IC 410-431955/15	50.0	11.877079	50.0	79384.0	0.237542	Y
4	IC 410-431955/16	100.0	27.969068	50.0	77137.0	0.279691	Y
5	IC 410-431955/17	250.0	75.364799	50.0	78879.0	0.301459	Y
6	ICIS 410-431955/18	500.0	144.804259	50.0	83963.0	0.289609	Y
7	IC 410-431955/19	1250.0	355.118219	50.0	93724.0	0.284095	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

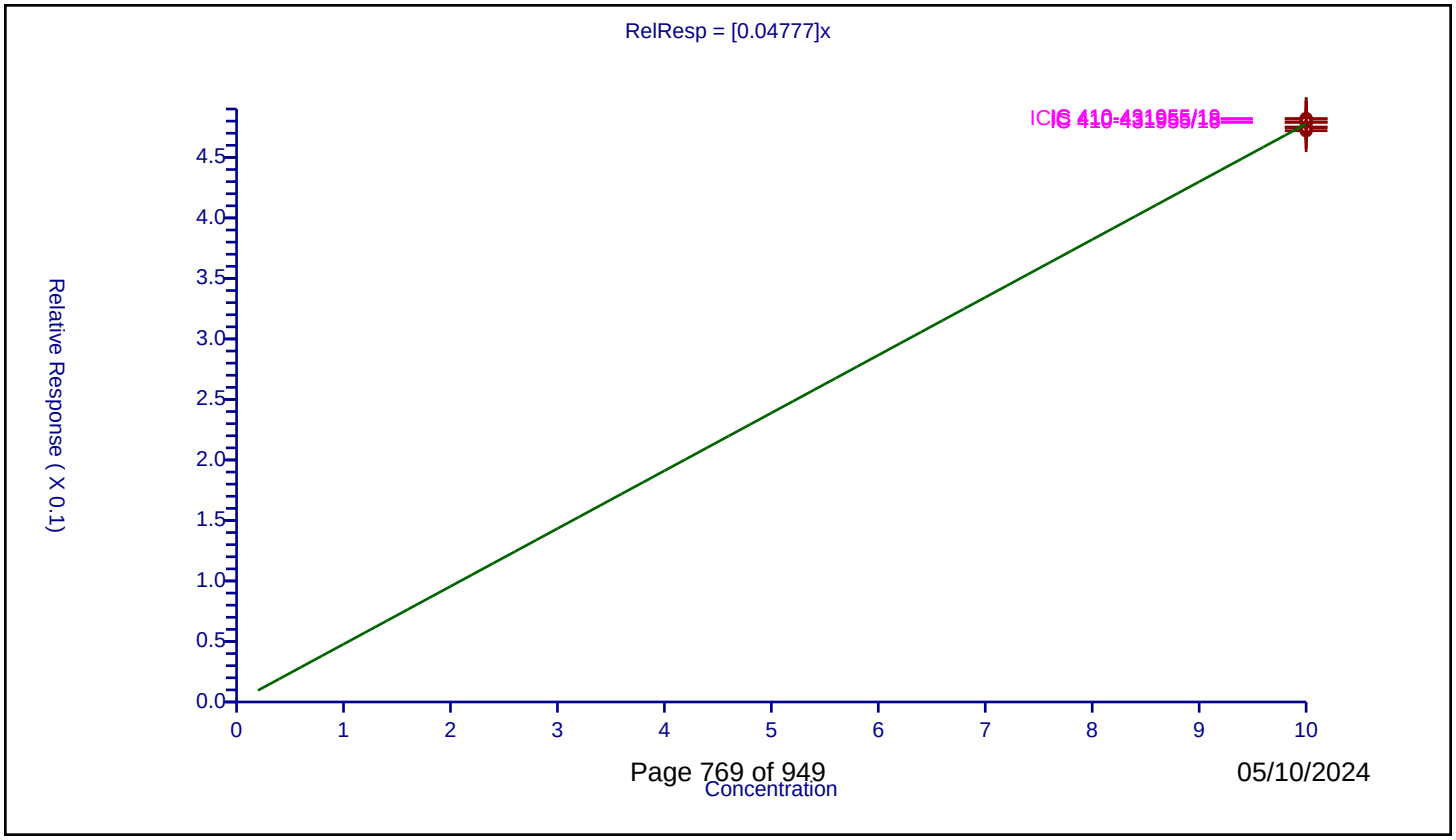
Curve Coefficients

Intercept:	0
Slope:	0.04777

Error Coefficients

Standard Error:	91200
Relative Standard Error:	0.8
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	10.0	0.474361	10.0	1727945.0	0.047436	Y
2	IC 410-431955/14	10.0	0.472037	10.0	1732238.0	0.047204	Y
3	IC 410-431955/15	10.0	0.478976	10.0	1719834.0	0.047898	Y
4	IC 410-431955/16	10.0	0.479224	10.0	1746844.0	0.047922	Y
5	IC 410-431955/17	10.0	0.475152	10.0	1767939.0	0.047515	Y
6	ICIS 410-431955/18	10.0	0.481693	10.0	1790766.0	0.048169	Y
7	IC 410-431955/19	10.0	0.482124	10.0	1875183.0	0.048212	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

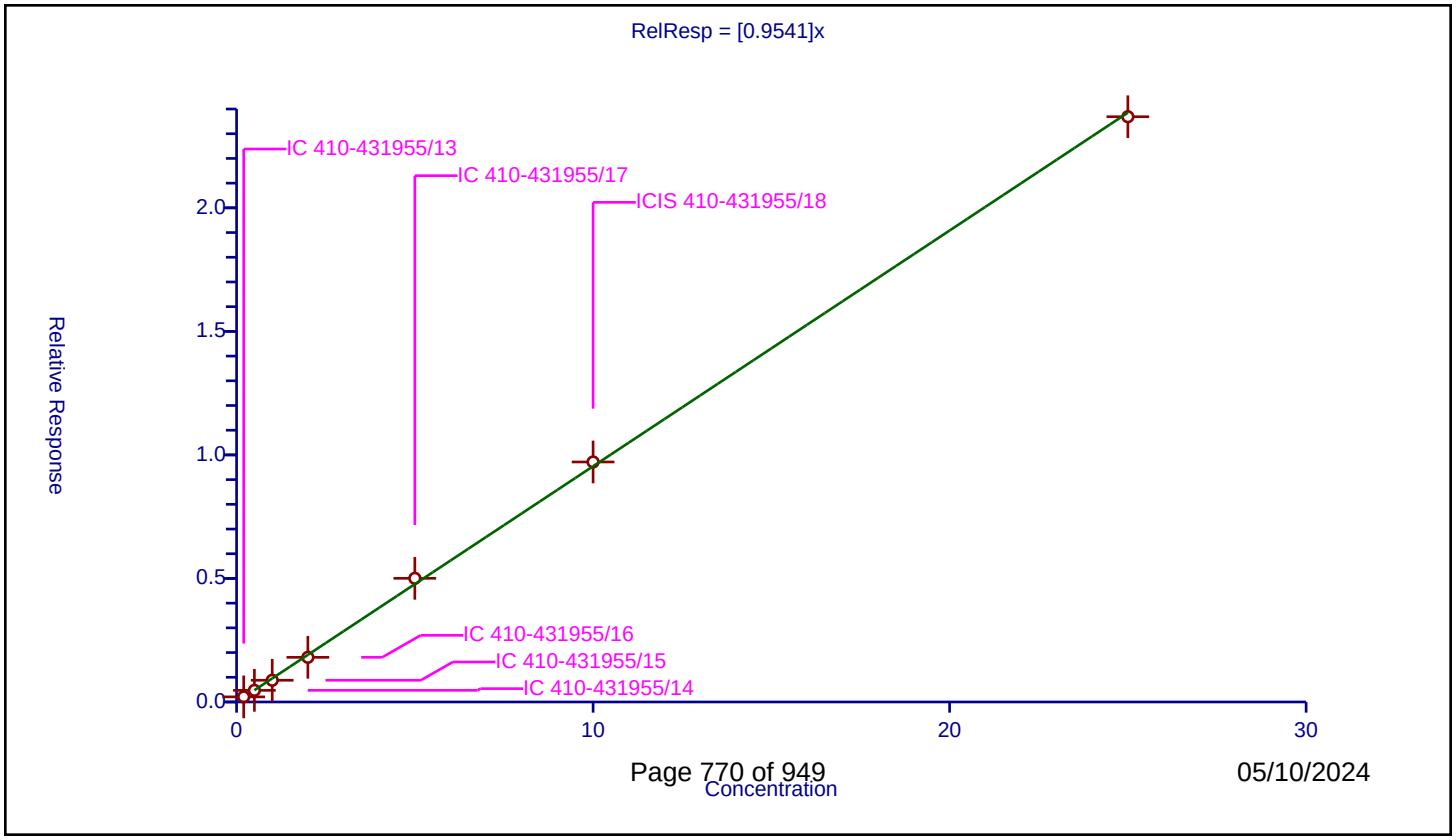
Curve Coefficients

Intercept:	0
Slope:	0.9541

Error Coefficients

Standard Error:	1990000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.206968	10.0	1727945.0	1.034842	Y
2	IC 410-431955/14	0.5	0.470726	10.0	1732238.0	0.941453	Y
3	IC 410-431955/15	1.0	0.878916	10.0	1719834.0	0.878916	Y
4	IC 410-431955/16	2.0	1.80711	10.0	1746844.0	0.903555	Y
5	IC 410-431955/17	5.0	5.004975	10.0	1767939.0	1.000995	Y
6	ICIS 410-431955/18	10.0	9.713905	10.0	1790766.0	0.97139	Y
7	IC 410-431955/19	25.0	23.687757	10.0	1875183.0	0.94751	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

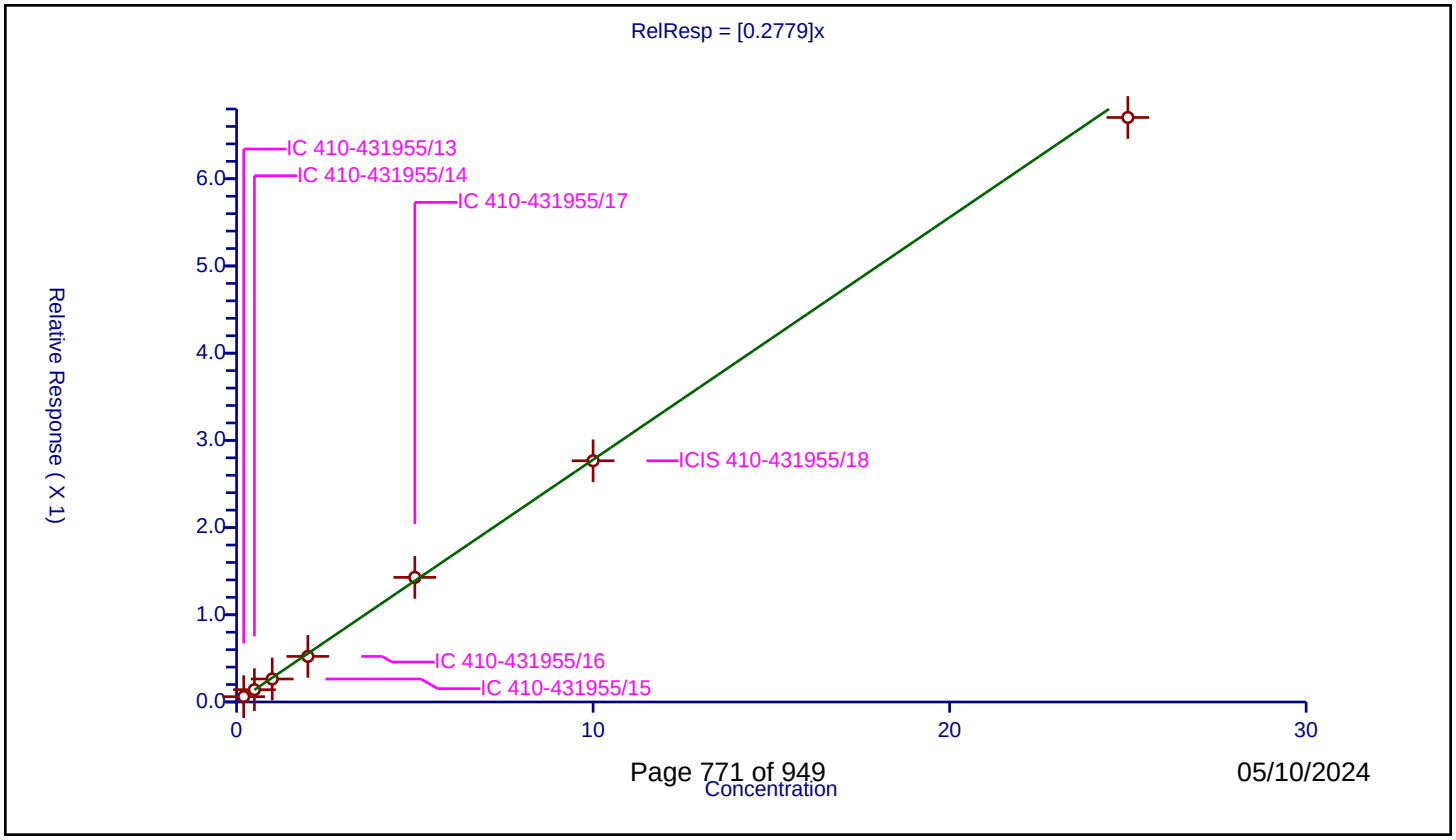
Curve Coefficients

Intercept:	0
Slope:	0.2779

Error Coefficients

Standard Error:	563000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.061431	10.0	1727945.0	0.307157	Y
2	IC 410-431955/14	0.5	0.141251	10.0	1732238.0	0.282502	Y
3	IC 410-431955/15	1.0	0.263677	10.0	1719834.0	0.263677	Y
4	IC 410-431955/16	2.0	0.522783	10.0	1746844.0	0.261391	Y
5	IC 410-431955/17	5.0	1.428754	10.0	1767939.0	0.285751	Y
6	ICIS 410-431955/18	10.0	2.766269	10.0	1790766.0	0.276627	Y
7	IC 410-431955/19	25.0	6.702978	10.0	1875183.0	0.268119	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

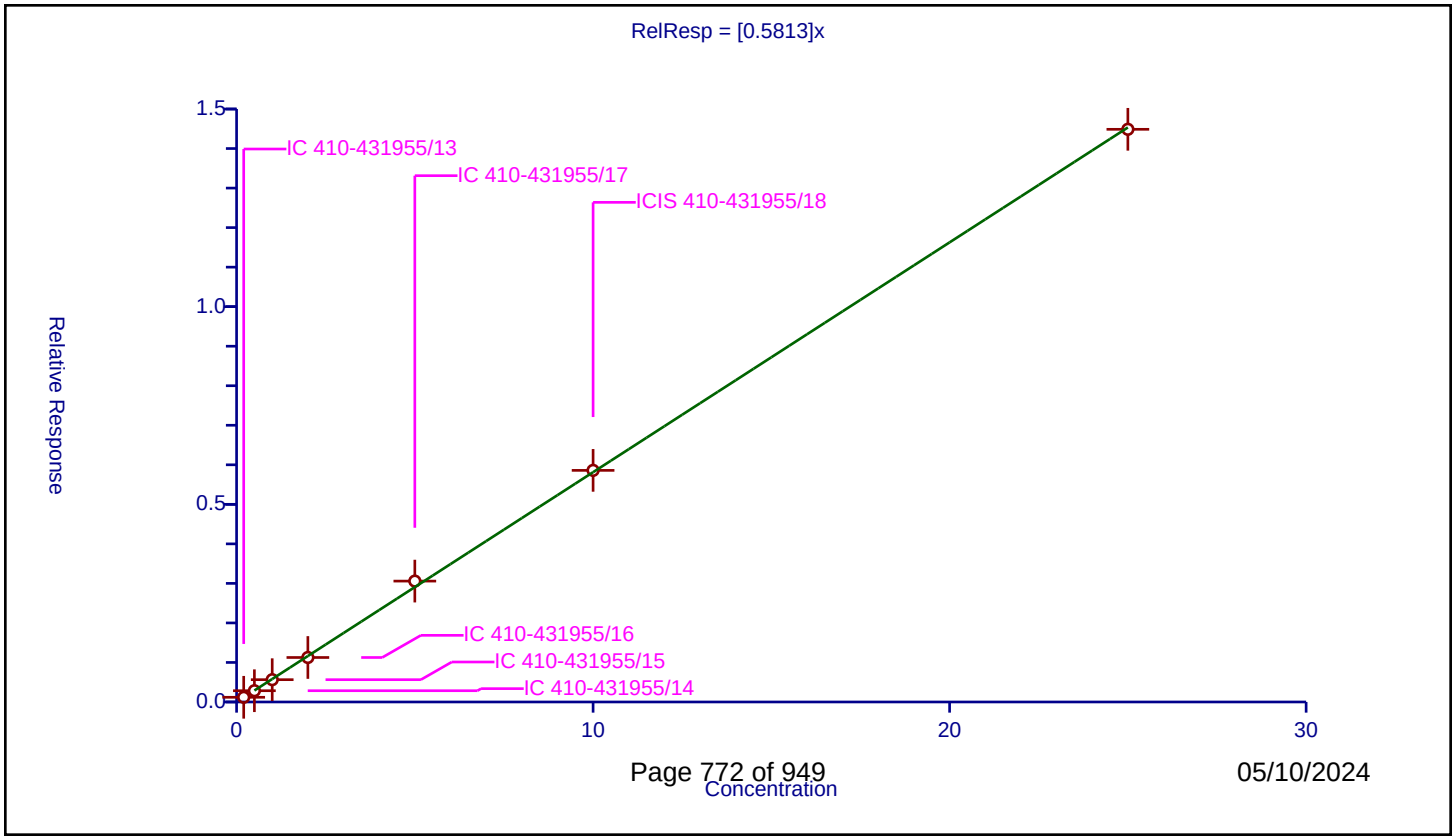
Curve Coefficients

Intercept:	0
Slope:	0.5813

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.11902	10.0	1727945.0	0.5951	Y
2	IC 410-431955/14	0.5	0.285117	10.0	1732238.0	0.570233	Y
3	IC 410-431955/15	1.0	0.564293	10.0	1719834.0	0.564293	Y
4	IC 410-431955/16	2.0	1.125206	10.0	1746844.0	0.562603	Y
5	IC 410-431955/17	5.0	3.05825	10.0	1767939.0	0.61165	Y
6	ICIS 410-431955/18	10.0	5.859001	10.0	1790766.0	0.5859	Y
7	IC 410-431955/19	25.0	14.486725	10.0	1875183.0	0.579469	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

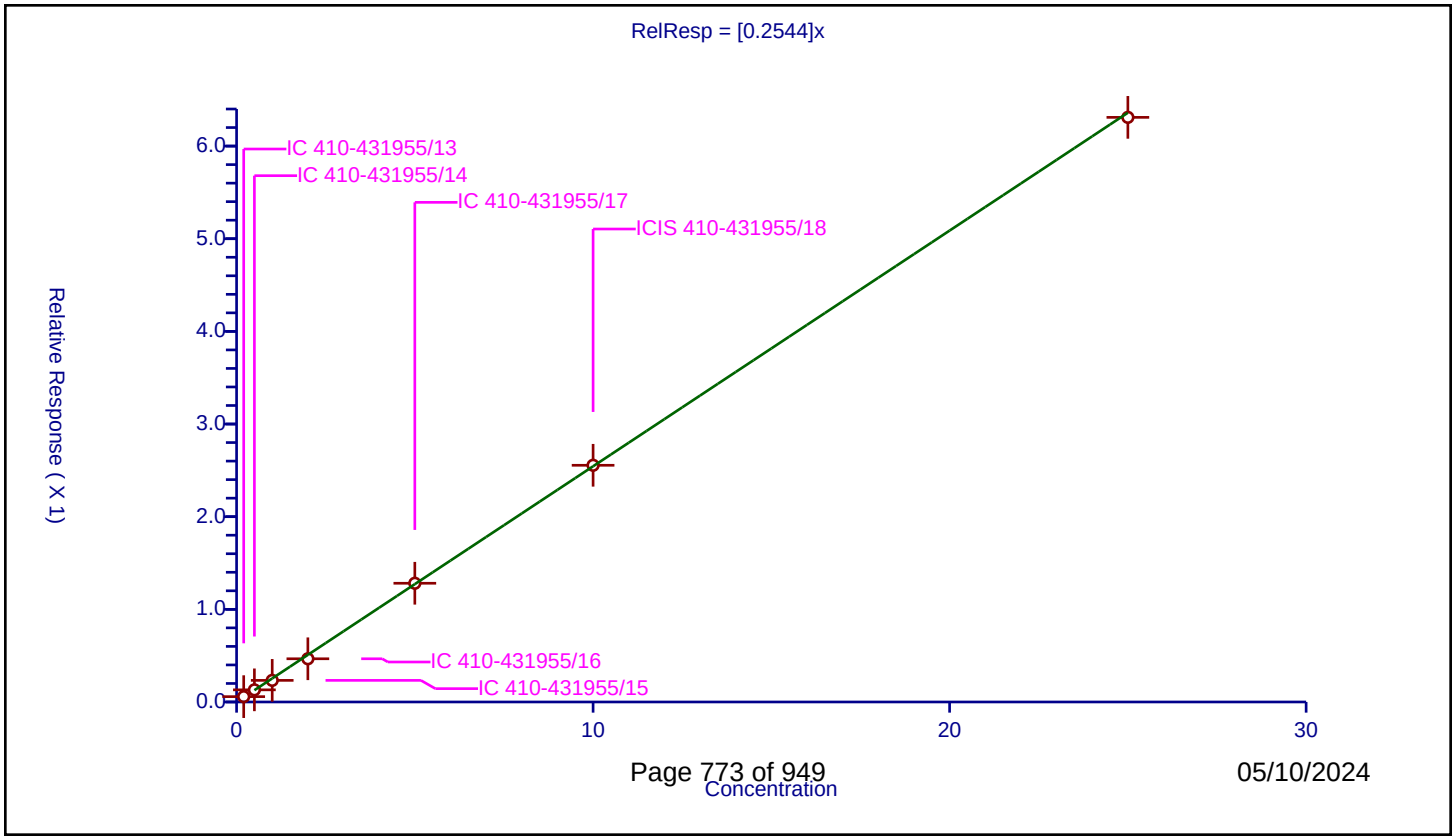
Curve Coefficients

Intercept:	0
Slope:	0.2544

Error Coefficients

Standard Error:	527000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.057618	10.0	1727945.0	0.288088	Y
2	IC 410-431955/14	0.5	0.130975	10.0	1732238.0	0.26195	Y
3	IC 410-431955/15	1.0	0.233232	10.0	1719834.0	0.233232	Y
4	IC 410-431955/16	2.0	0.466487	10.0	1746844.0	0.233243	Y
5	IC 410-431955/17	5.0	1.281571	10.0	1767939.0	0.256314	Y
6	ICIS 410-431955/18	10.0	2.554884	10.0	1790766.0	0.255488	Y
7	IC 410-431955/19	25.0	6.309891	10.0	1875183.0	0.252396	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

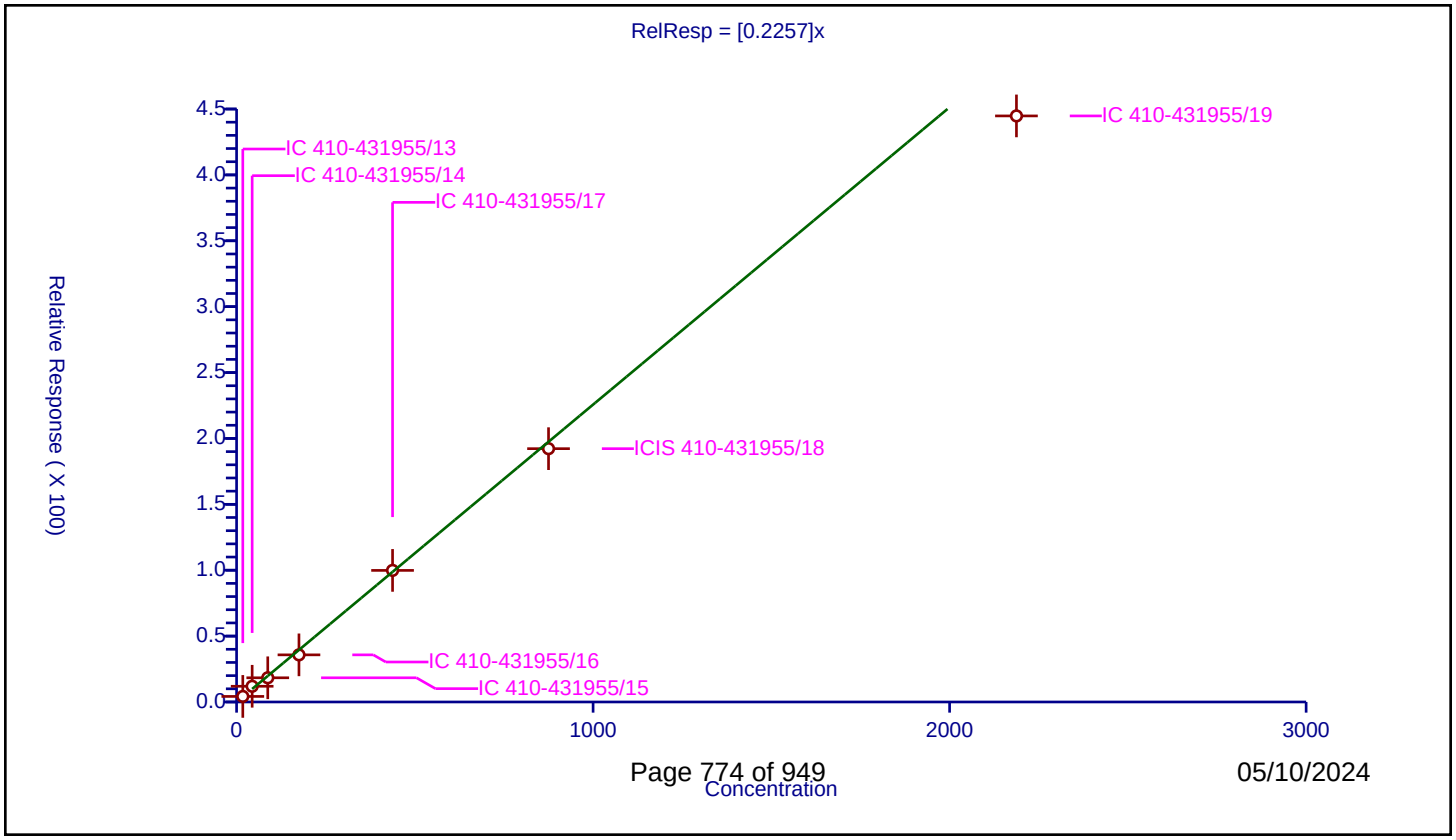
Curve Coefficients

Intercept:	0
Slope:	0.2257

Error Coefficients

Standard Error:	371000
Relative Standard Error:	11.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	17.5	4.221798	50.0	75501.0	0.241246	Y
2	IC 410-431955/14	43.75	11.934929	50.0	75057.0	0.272798	Y
3	IC 410-431955/15	87.5	18.37146	50.0	79384.0	0.20996	Y
4	IC 410-431955/16	175.0	35.770123	50.0	77137.0	0.204401	Y
5	IC 410-431955/17	437.5	99.868152	50.0	78879.0	0.22827	Y
6	ICIS 410-431955/18	875.0	192.23527	50.0	83963.0	0.219697	Y
7	IC 410-431955/19	2187.5	444.751078	50.0	93724.0	0.203315	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

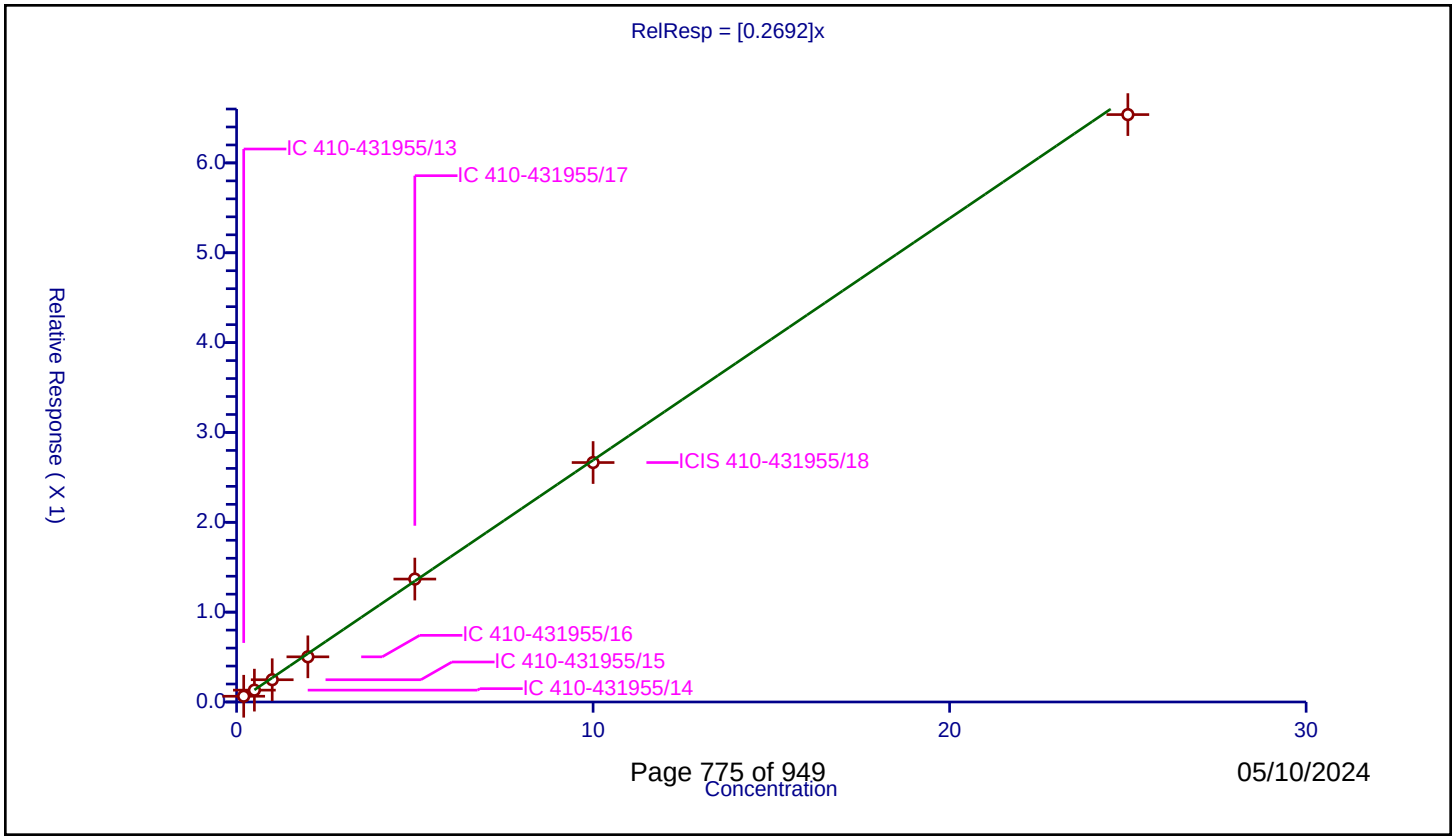
Curve Coefficients

Intercept:	0
Slope:	0.2692

Error Coefficients

Standard Error:	548000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.063902	10.0	1727945.0	0.319512	Y
2	IC 410-431955/14	0.5	0.132055	10.0	1732238.0	0.264109	Y
3	IC 410-431955/15	1.0	0.247547	10.0	1719834.0	0.247547	Y
4	IC 410-431955/16	2.0	0.502775	10.0	1746844.0	0.251388	Y
5	IC 410-431955/17	5.0	1.368198	10.0	1767939.0	0.27364	Y
6	ICIS 410-431955/18	10.0	2.665206	10.0	1790766.0	0.266521	Y
7	IC 410-431955/19	25.0	6.537831	10.0	1875183.0	0.261513	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

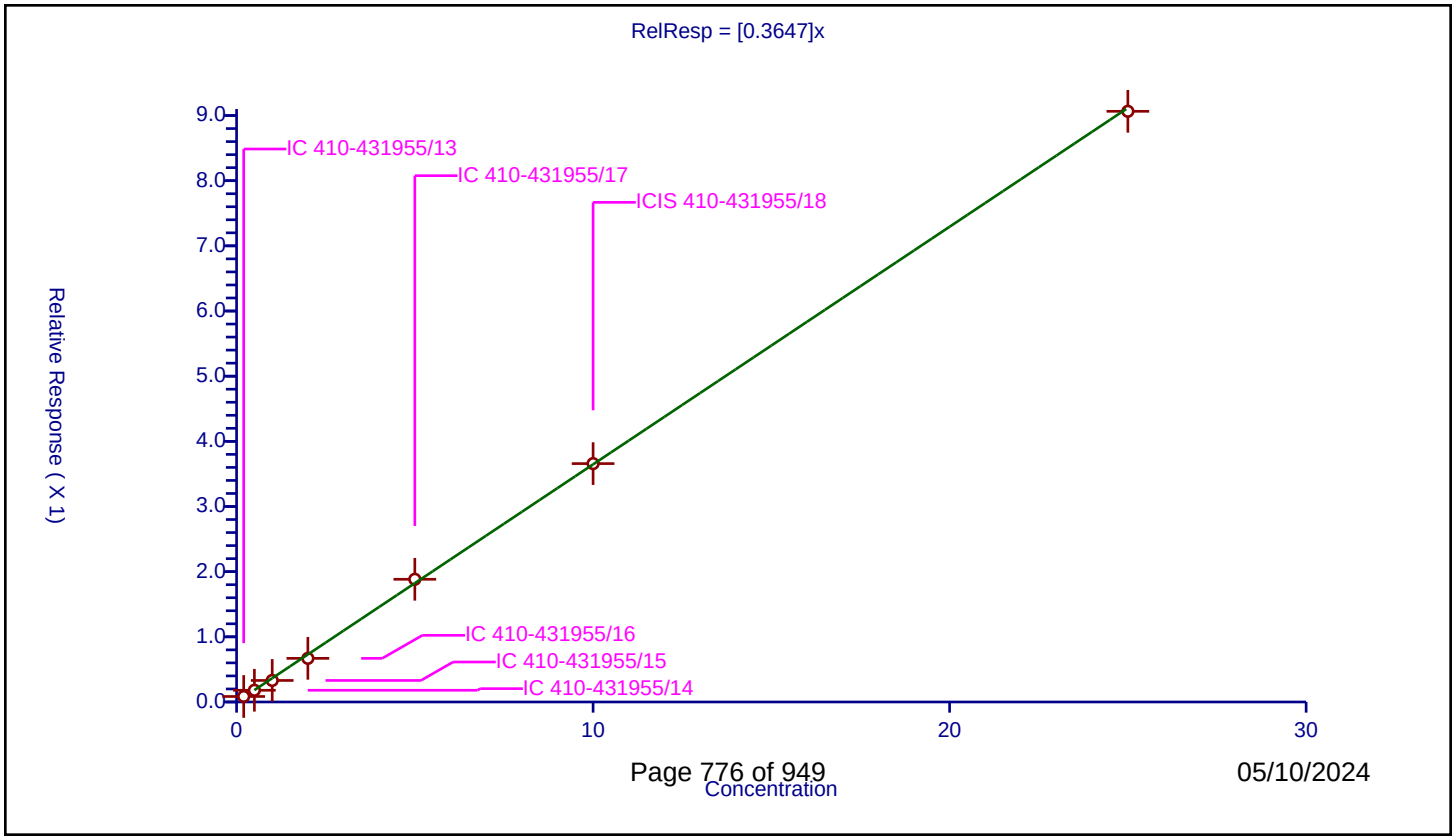
Curve Coefficients

Intercept:	0
Slope:	0.3647

Error Coefficients

Standard Error:	758000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.08447	10.0	1727945.0	0.422351	Y
2	IC 410-431955/14	0.5	0.179929	10.0	1732238.0	0.359858	Y
3	IC 410-431955/15	1.0	0.330602	10.0	1719834.0	0.330602	Y
4	IC 410-431955/16	2.0	0.669596	10.0	1746844.0	0.334798	Y
5	IC 410-431955/17	5.0	1.883068	10.0	1767939.0	0.376614	Y
6	ICIS 410-431955/18	10.0	3.658256	10.0	1790766.0	0.365826	Y
7	IC 410-431955/19	25.0	9.064817	10.0	1875183.0	0.362593	Y



05/10/2024

Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

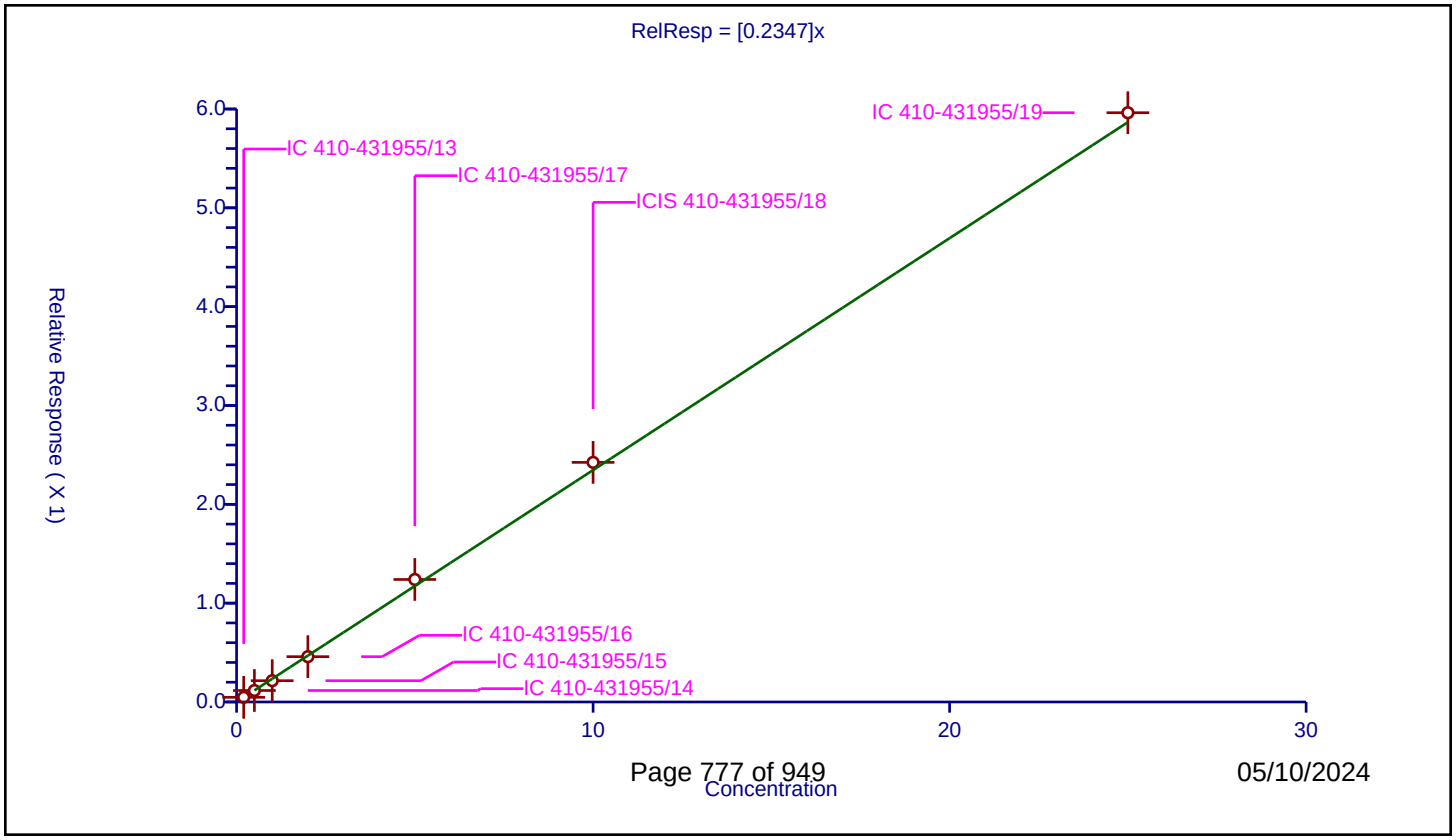
Curve Coefficients

Intercept:	0
Slope:	0.2347

Error Coefficients

Standard Error:	499000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.047328	10.0	1727945.0	0.236639	Y
2	IC 410-431955/14	0.5	0.116127	10.0	1732238.0	0.232254	Y
3	IC 410-431955/15	1.0	0.215451	10.0	1719834.0	0.215451	Y
4	IC 410-431955/16	2.0	0.45865	10.0	1746844.0	0.229325	Y
5	IC 410-431955/17	5.0	1.23963	10.0	1767939.0	0.247926	Y
6	ICIS 410-431955/18	10.0	2.424588	10.0	1790766.0	0.242459	Y
7	IC 410-431955/19	25.0	5.962463	10.0	1875183.0	0.238499	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

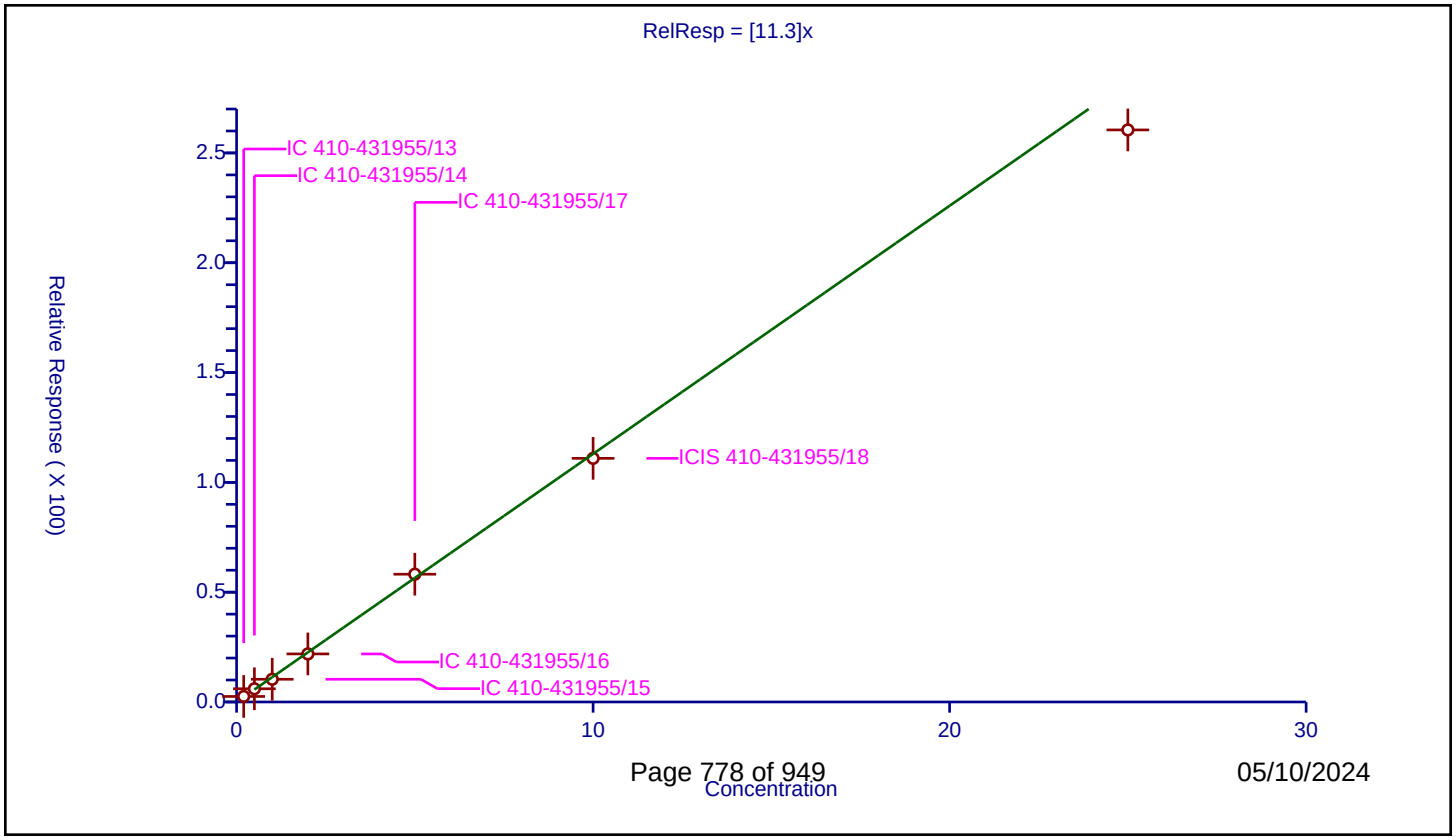
Curve Coefficients

Intercept:	0
Slope:	11.3

Error Coefficients

Standard Error:	217000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	2.520496	50.0	75501.0	12.602482	Y
2	IC 410-431955/14	0.5	6.012097	50.0	75057.0	12.024195	Y
3	IC 410-431955/15	1.0	10.355361	50.0	79384.0	10.355361	Y
4	IC 410-431955/16	2.0	21.89157	50.0	77137.0	10.945785	Y
5	IC 410-431955/17	5.0	58.178983	50.0	78879.0	11.635797	Y
6	ICIS 410-431955/18	10.0	110.933387	50.0	83963.0	11.093339	Y
7	IC 410-431955/19	25.0	260.481307	50.0	93724.0	10.419252	Y



Calibration / 1,4-Dioxane

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

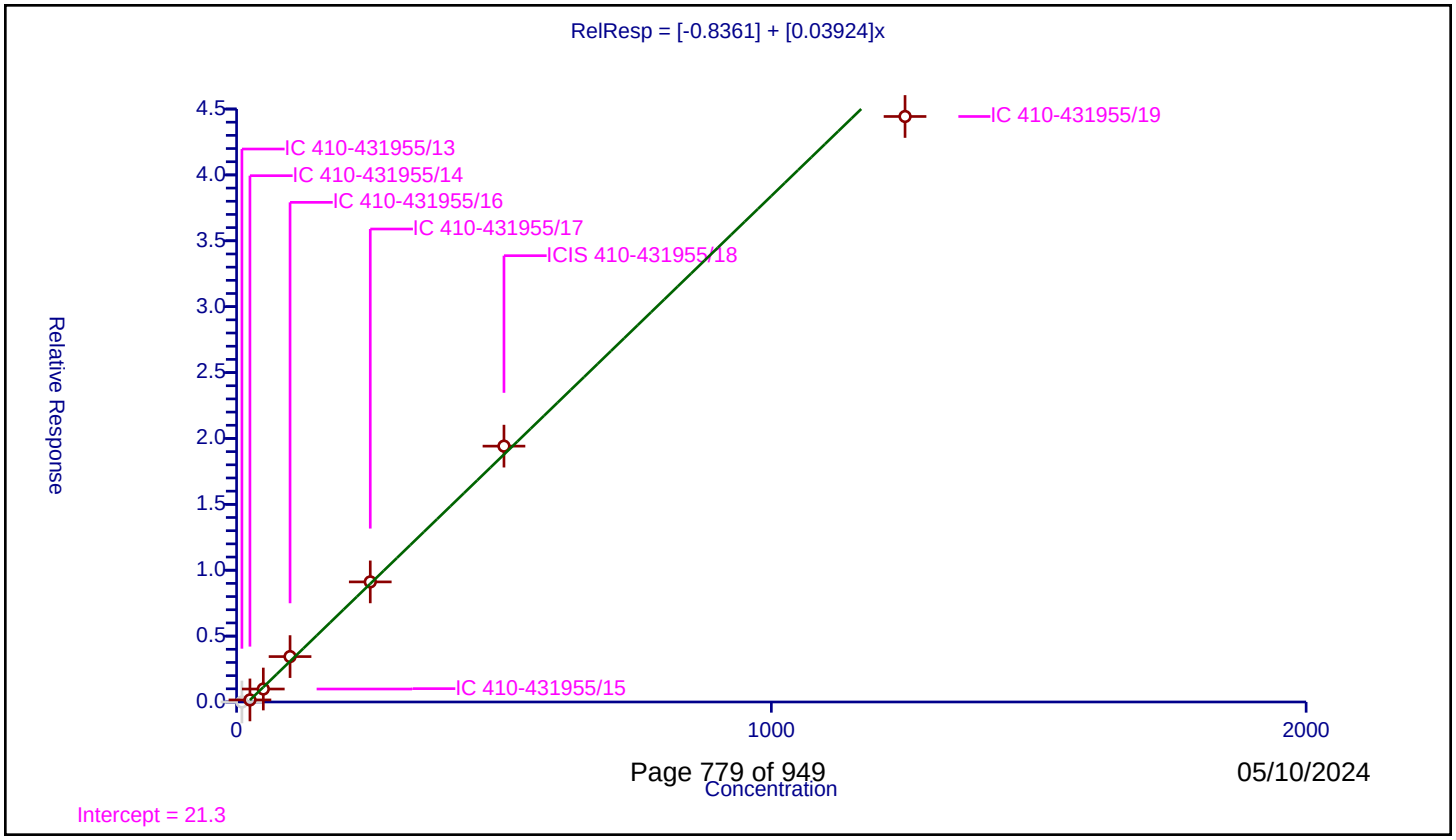
Curve Coefficients

Intercept:	-0.8361
Slope:	0.03924

Error Coefficients

Standard Error:	45400
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	10.0	0.0	50.0	75501.0	0.0	N
2	IC 410-431955/14	25.0	0.156548	50.0	75057.0	0.006262	Y
3	IC 410-431955/15	50.0	0.984455	50.0	79384.0	0.019689	Y
4	IC 410-431955/16	100.0	3.444521	50.0	77137.0	0.034445	Y
5	IC 410-431955/17	250.0	9.113959	50.0	78879.0	0.036456	Y
6	ICIS 410-431955/18	500.0	19.416886	50.0	83963.0	0.038834	Y
7	IC 410-431955/19	1250.0	44.43419	50.0	93724.0	0.035547	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

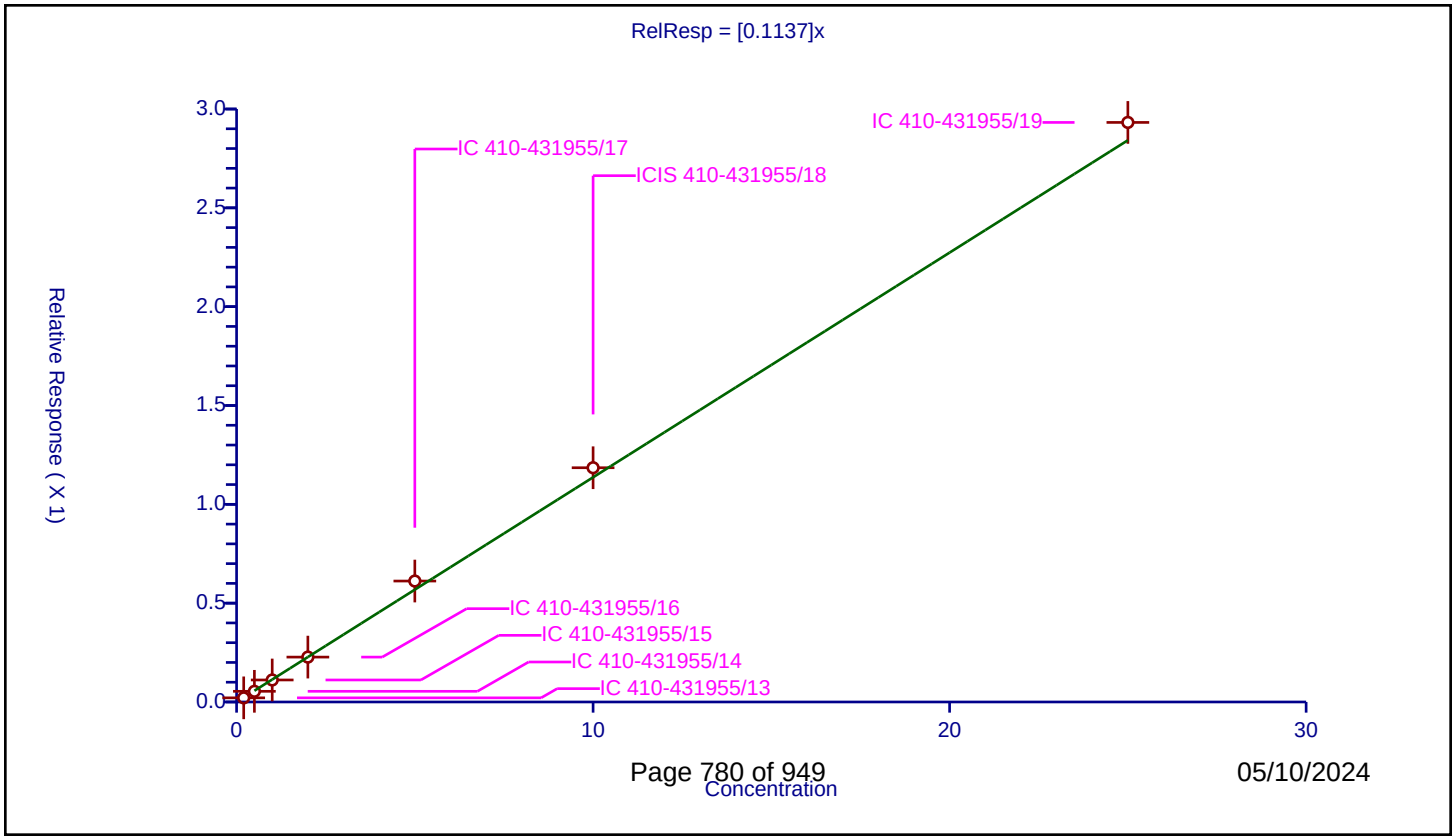
Curve Coefficients

Intercept:	0
Slope:	0.1137

Error Coefficients

Standard Error:	245000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.020932	10.0	1727945.0	0.104662	Y
2	IC 410-431955/14	0.5	0.054017	10.0	1732238.0	0.108034	Y
3	IC 410-431955/15	1.0	0.111342	10.0	1719834.0	0.111342	Y
4	IC 410-431955/16	2.0	0.227078	10.0	1746844.0	0.113539	Y
5	IC 410-431955/17	5.0	0.611854	10.0	1767939.0	0.122371	Y
6	ICIS 410-431955/18	10.0	1.185096	10.0	1790766.0	0.11851	Y
7	IC 410-431955/19	25.0	2.93214	10.0	1875183.0	0.117286	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

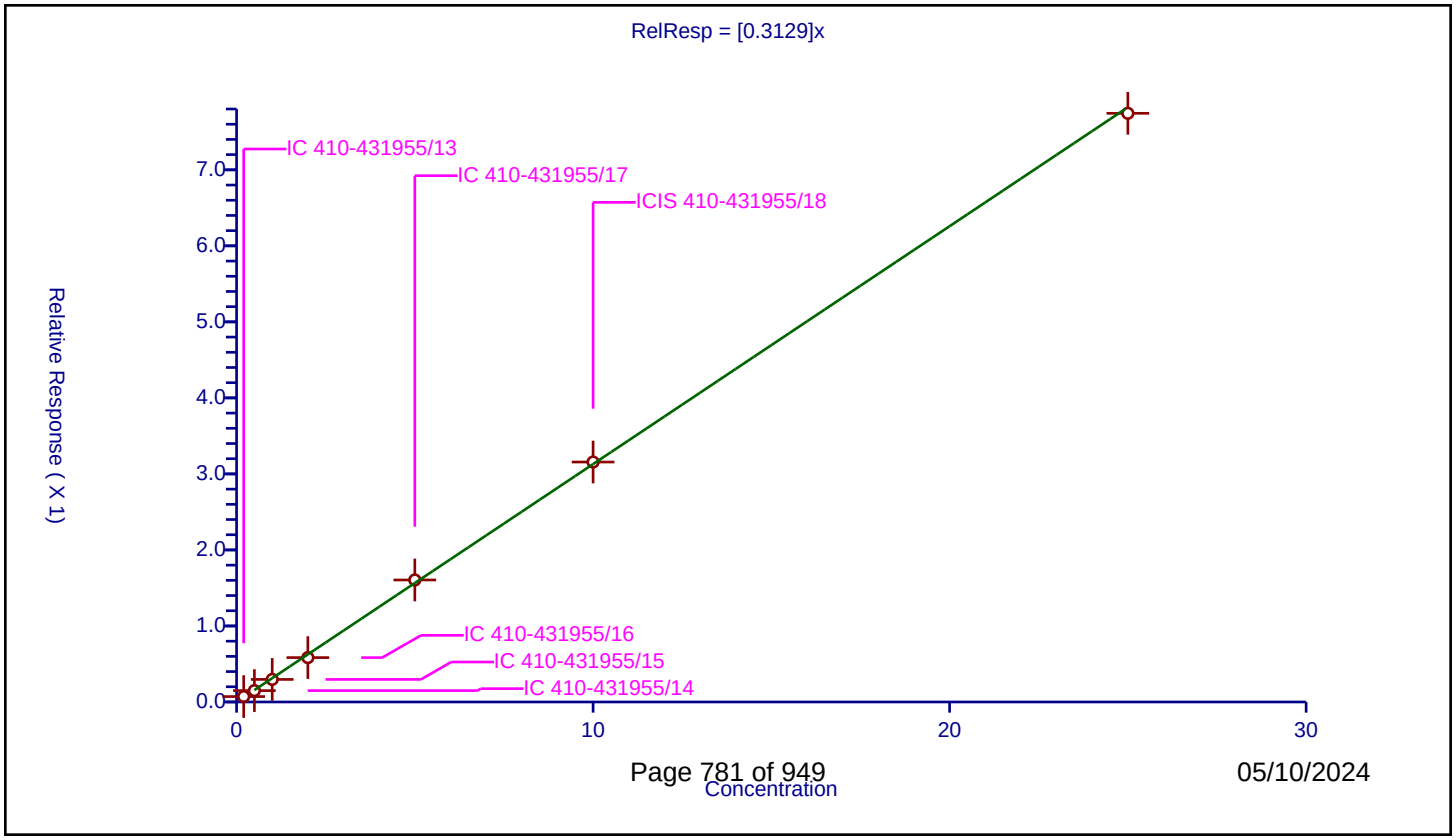
Curve Coefficients

Intercept:	0
Slope:	0.3129

Error Coefficients

Standard Error:	648000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.071235	10.0	1727945.0	0.356175	Y
2	IC 410-431955/14	0.5	0.149506	10.0	1732238.0	0.299012	Y
3	IC 410-431955/15	1.0	0.296936	10.0	1719834.0	0.296936	Y
4	IC 410-431955/16	2.0	0.583841	10.0	1746844.0	0.291921	Y
5	IC 410-431955/17	5.0	1.605078	10.0	1767939.0	0.321016	Y
6	ICIS 410-431955/18	10.0	3.156292	10.0	1790766.0	0.315629	Y
7	IC 410-431955/19	25.0	7.743394	10.0	1875183.0	0.309736	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

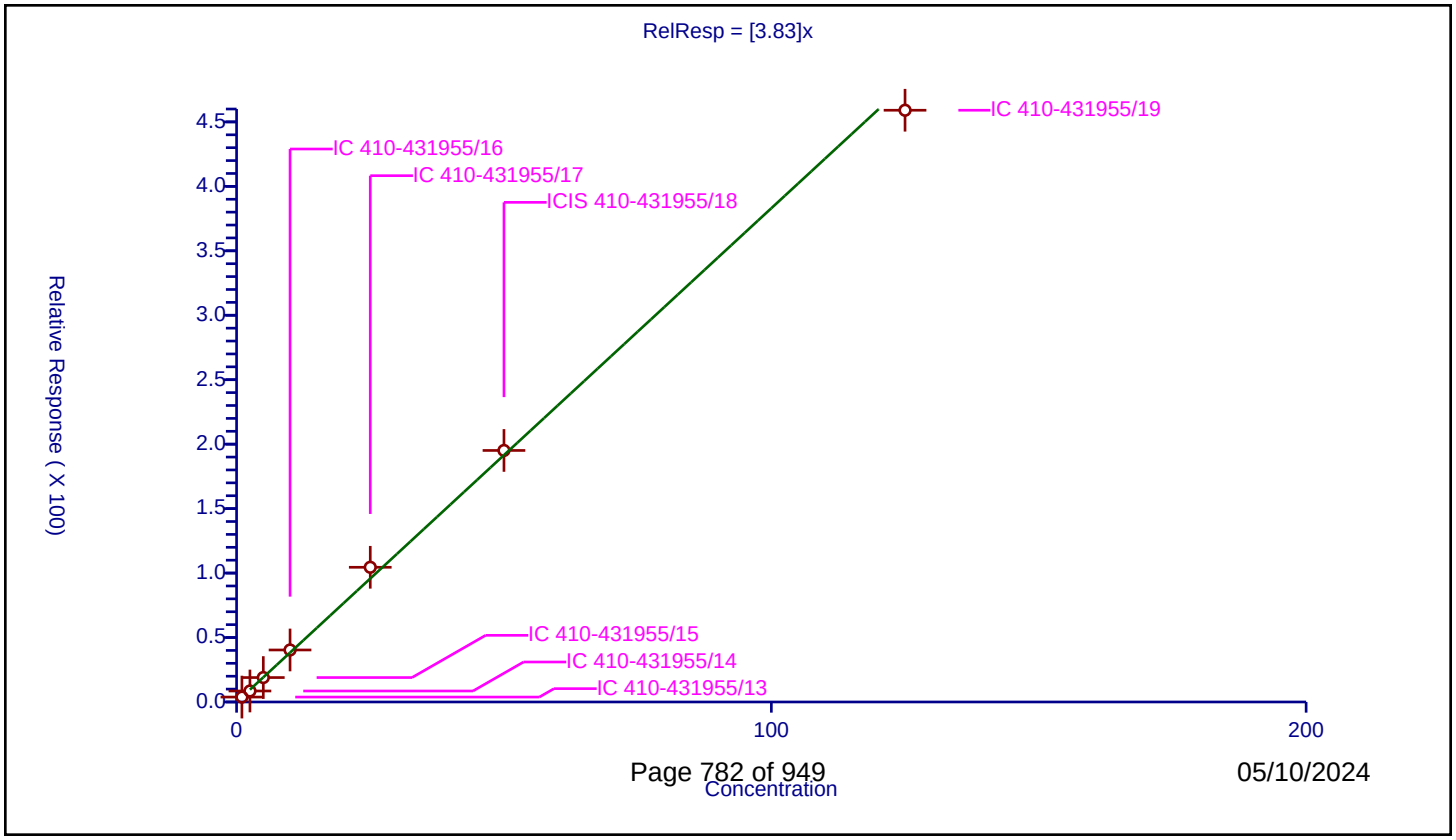
Curve Coefficients

Intercept:	0
Slope:	3.83

Error Coefficients

Standard Error:	383000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	1.0	3.814519	50.0	75501.0	3.814519	Y
2	IC 410-431955/14	2.5	8.537511	50.0	75057.0	3.415005	Y
3	IC 410-431955/15	5.0	18.962889	50.0	79384.0	3.792578	Y
4	IC 410-431955/16	10.0	40.358064	50.0	77137.0	4.035806	Y
5	IC 410-431955/17	25.0	104.494859	50.0	78879.0	4.179794	Y
6	ICIS 410-431955/18	50.0	195.128211	50.0	83963.0	3.902564	Y
7	IC 410-431955/19	125.0	459.043575	50.0	93724.0	3.672349	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

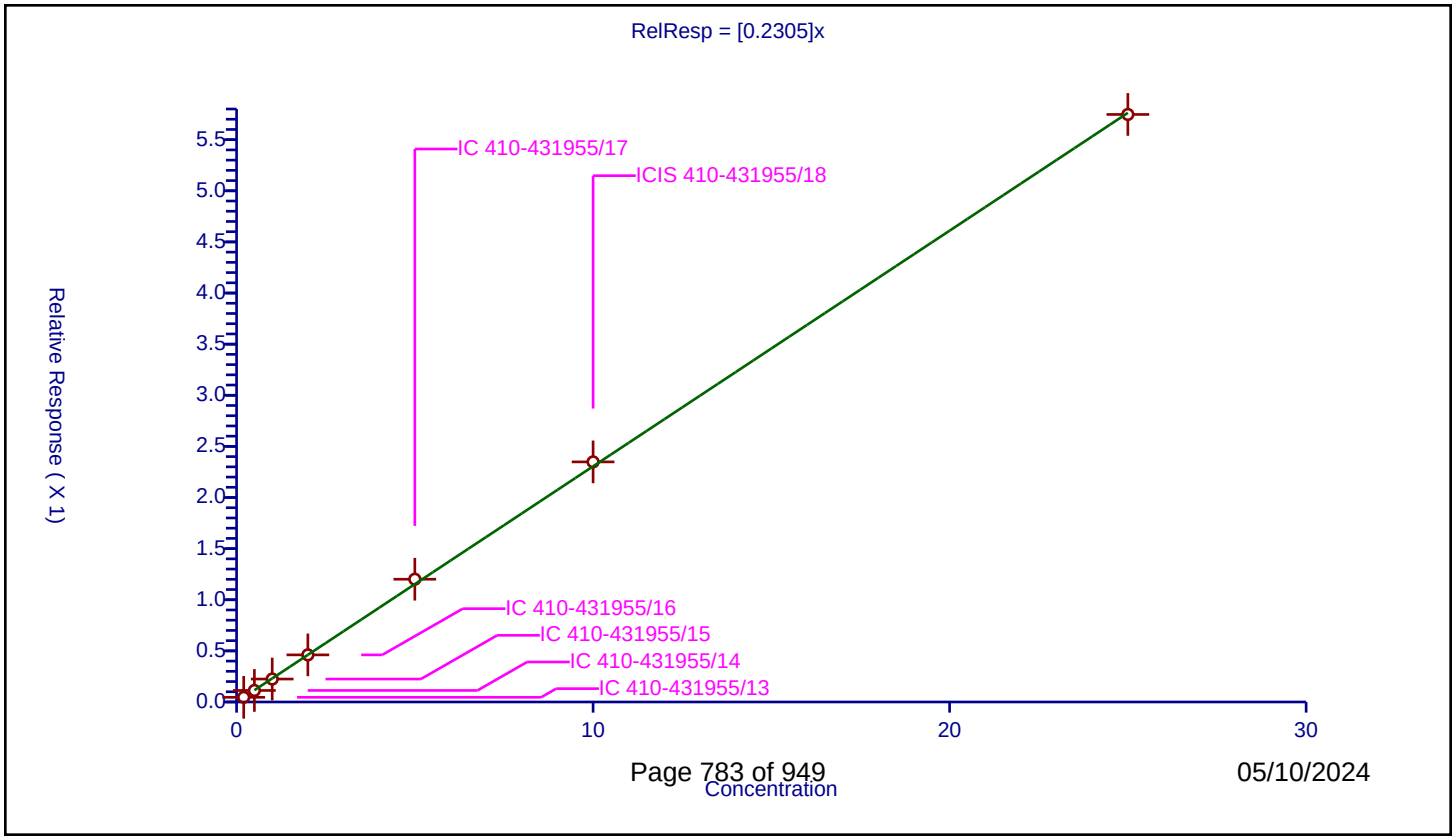
Curve Coefficients

Intercept:	0
Slope:	0.2305

Error Coefficients

Standard Error:	482000
Relative Standard Error:	2.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.045707	10.0	1727945.0	0.228537	Y
2	IC 410-431955/14	0.5	0.112692	10.0	1732238.0	0.225385	Y
3	IC 410-431955/15	1.0	0.224347	10.0	1719834.0	0.224347	Y
4	IC 410-431955/16	2.0	0.460734	10.0	1746844.0	0.230367	Y
5	IC 410-431955/17	5.0	1.200647	10.0	1767939.0	0.240129	Y
6	ICIS 410-431955/18	10.0	2.348392	10.0	1790766.0	0.234839	Y
7	IC 410-431955/19	25.0	5.746863	10.0	1875183.0	0.229875	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

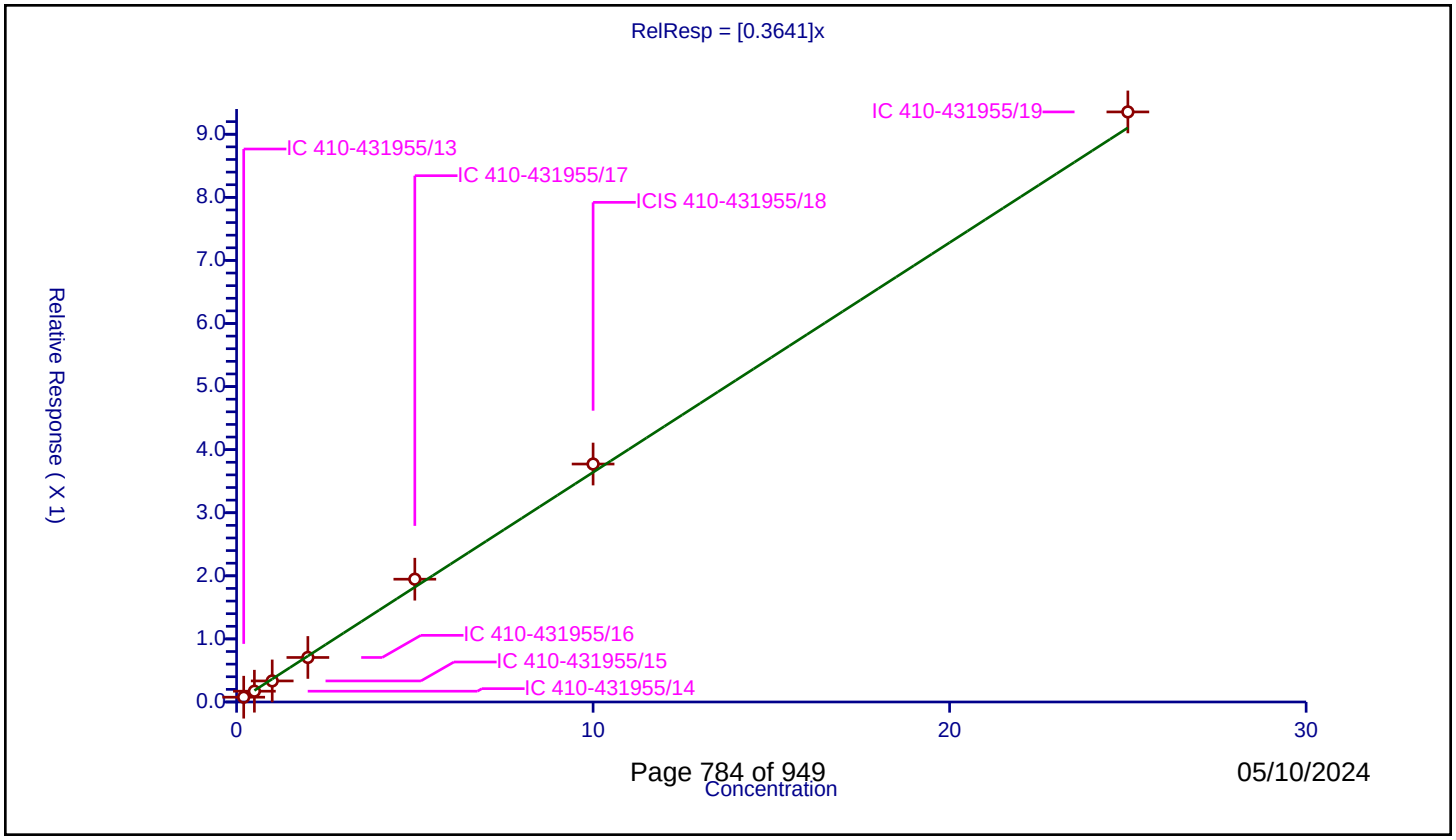
Curve Coefficients

Intercept:	0
Slope:	0.3641

Error Coefficients

Standard Error:	782000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.075888	10.0	1727945.0	0.379439	Y
2	IC 410-431955/14	0.5	0.170946	10.0	1732238.0	0.341893	Y
3	IC 410-431955/15	1.0	0.333945	10.0	1719834.0	0.333945	Y
4	IC 410-431955/16	2.0	0.705821	10.0	1746844.0	0.352911	Y
5	IC 410-431955/17	5.0	1.946492	10.0	1767939.0	0.389298	Y
6	ICIS 410-431955/18	10.0	3.772067	10.0	1790766.0	0.377207	Y
7	IC 410-431955/19	25.0	9.353834	10.0	1875183.0	0.374153	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

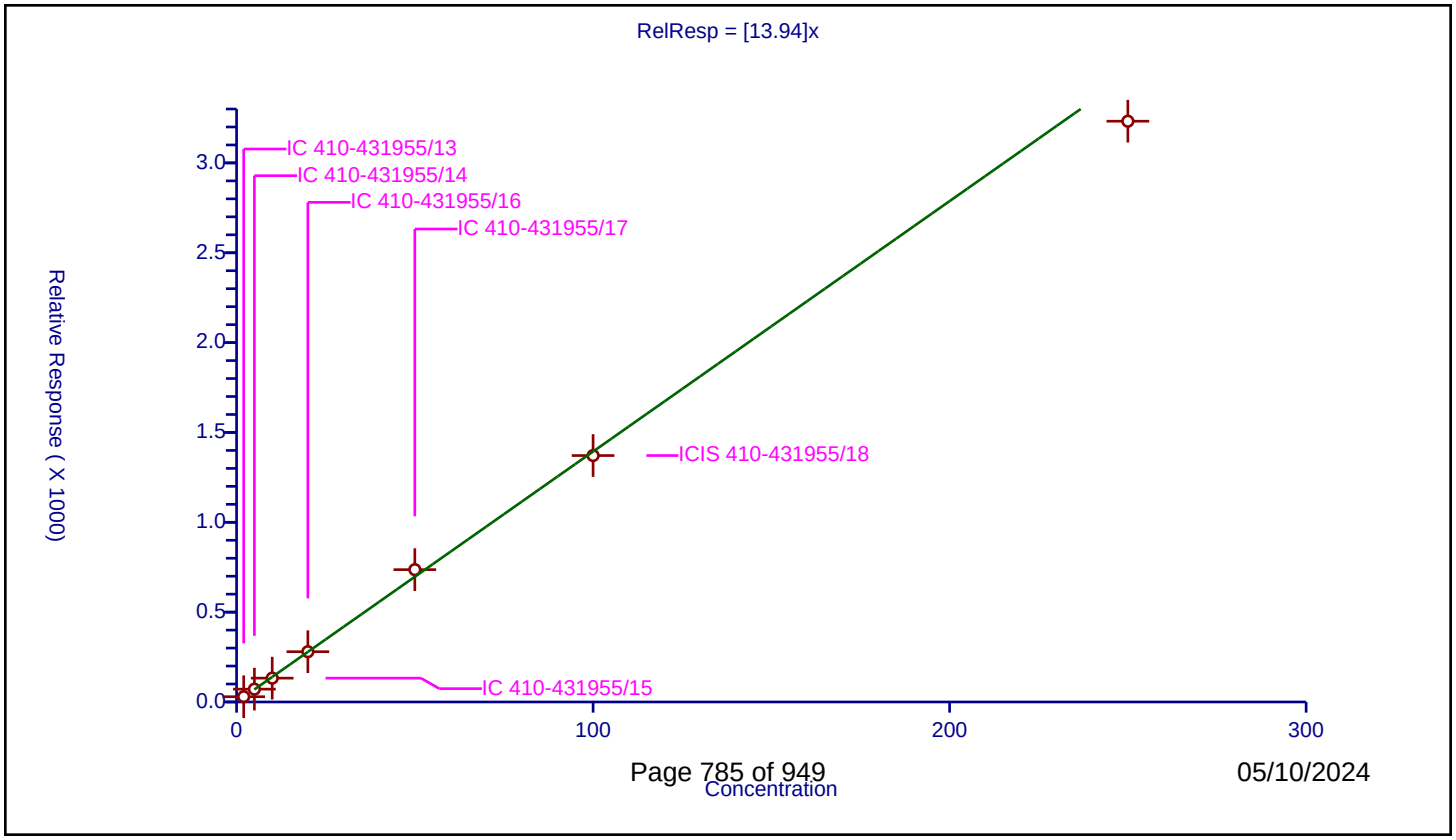
Curve Coefficients

Intercept:	0
Slope:	13.94

Error Coefficients

Standard Error:	2690000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	2.0	29.270473	50.0	75501.0	14.635237	Y
2	IC 410-431955/14	5.0	71.441038	50.0	75057.0	14.288208	Y
3	IC 410-431955/15	10.0	132.706843	50.0	79384.0	13.270684	Y
4	IC 410-431955/16	20.0	279.859212	50.0	77137.0	13.992961	Y
5	IC 410-431955/17	50.0	736.497674	50.0	78879.0	14.729953	Y
6	ICIS 410-431955/18	100.0	1371.464812	50.0	83963.0	13.714648	Y
7	IC 410-431955/19	250.0	3232.142247	50.0	93724.0	12.928569	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

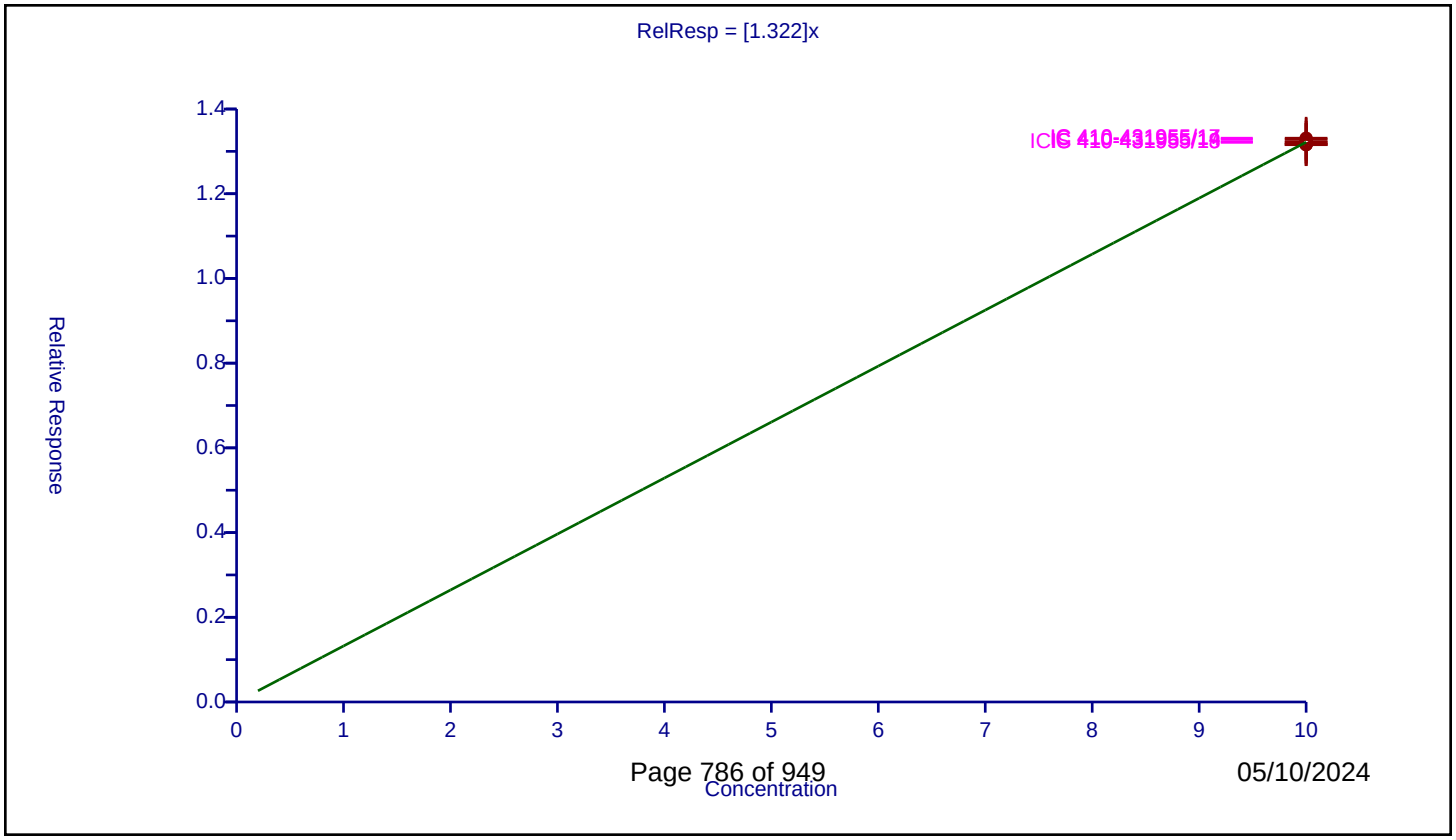
Curve Coefficients

Intercept:	0
Slope:	1.322

Error Coefficients

Standard Error:	1910000
Relative Standard Error:	0.5
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0.000000000000000111

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	10.0	13.156875	10.0	1303181.0	1.315688	Y
2	IC 410-431955/14	10.0	13.282337	10.0	1303431.0	1.328234	Y
3	IC 410-431955/15	10.0	13.166295	10.0	1309701.0	1.31663	Y
4	IC 410-431955/16	10.0	13.165205	10.0	1328211.0	1.31652	Y
5	IC 410-431955/17	10.0	13.310918	10.0	1333491.0	1.331092	Y
6	ICIS 410-431955/18	10.0	13.219322	10.0	1358954.0	1.321932	Y
7	IC 410-431955/19	10.0	13.217525	10.0	1426382.0	1.321753	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

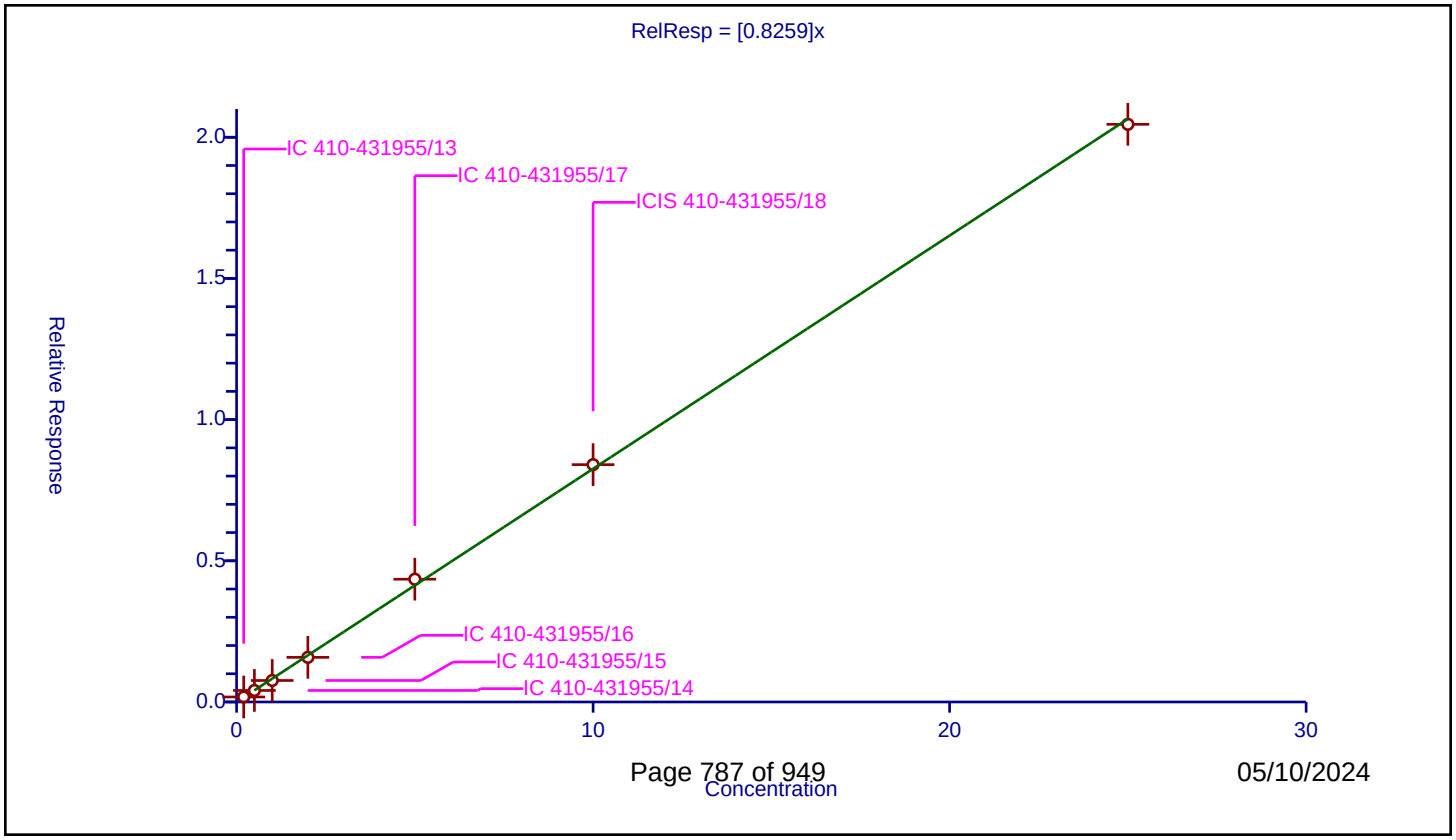
Curve Coefficients

Intercept:	0
Slope:	0.8259

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.177028	10.0	1303181.0	0.885142	Y
2	IC 410-431955/14	0.5	0.408046	10.0	1303431.0	0.816092	Y
3	IC 410-431955/15	1.0	0.761204	10.0	1309701.0	0.761204	Y
4	IC 410-431955/16	2.0	1.580645	10.0	1328211.0	0.790322	Y
5	IC 410-431955/17	5.0	4.348578	10.0	1333491.0	0.869716	Y
6	ICIS 410-431955/18	10.0	8.405811	10.0	1358954.0	0.840581	Y
7	IC 410-431955/19	25.0	20.458208	10.0	1426382.0	0.818328	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

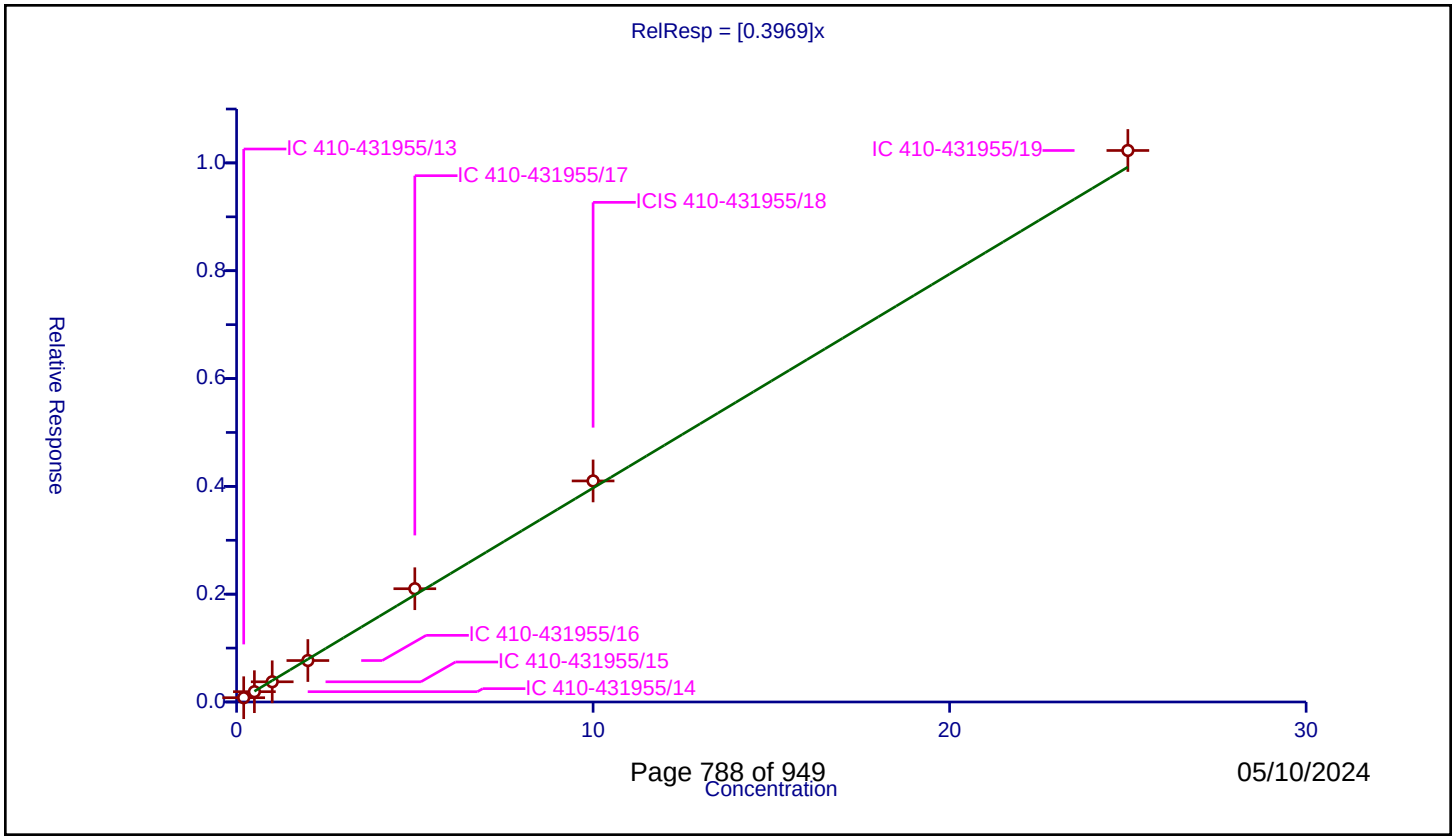
Curve Coefficients

Intercept:	0
Slope:	0.3969

Error Coefficients

Standard Error:	650000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.079475	10.0	1303181.0	0.397374	Y
2	IC 410-431955/14	0.5	0.191303	10.0	1303431.0	0.382606	Y
3	IC 410-431955/15	1.0	0.374574	10.0	1309701.0	0.374574	Y
4	IC 410-431955/16	2.0	0.769042	10.0	1328211.0	0.384521	Y
5	IC 410-431955/17	5.0	2.101027	10.0	1333491.0	0.420205	Y
6	ICIS 410-431955/18	10.0	4.100448	10.0	1358954.0	0.410045	Y
7	IC 410-431955/19	25.0	10.230801	10.0	1426382.0	0.409232	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

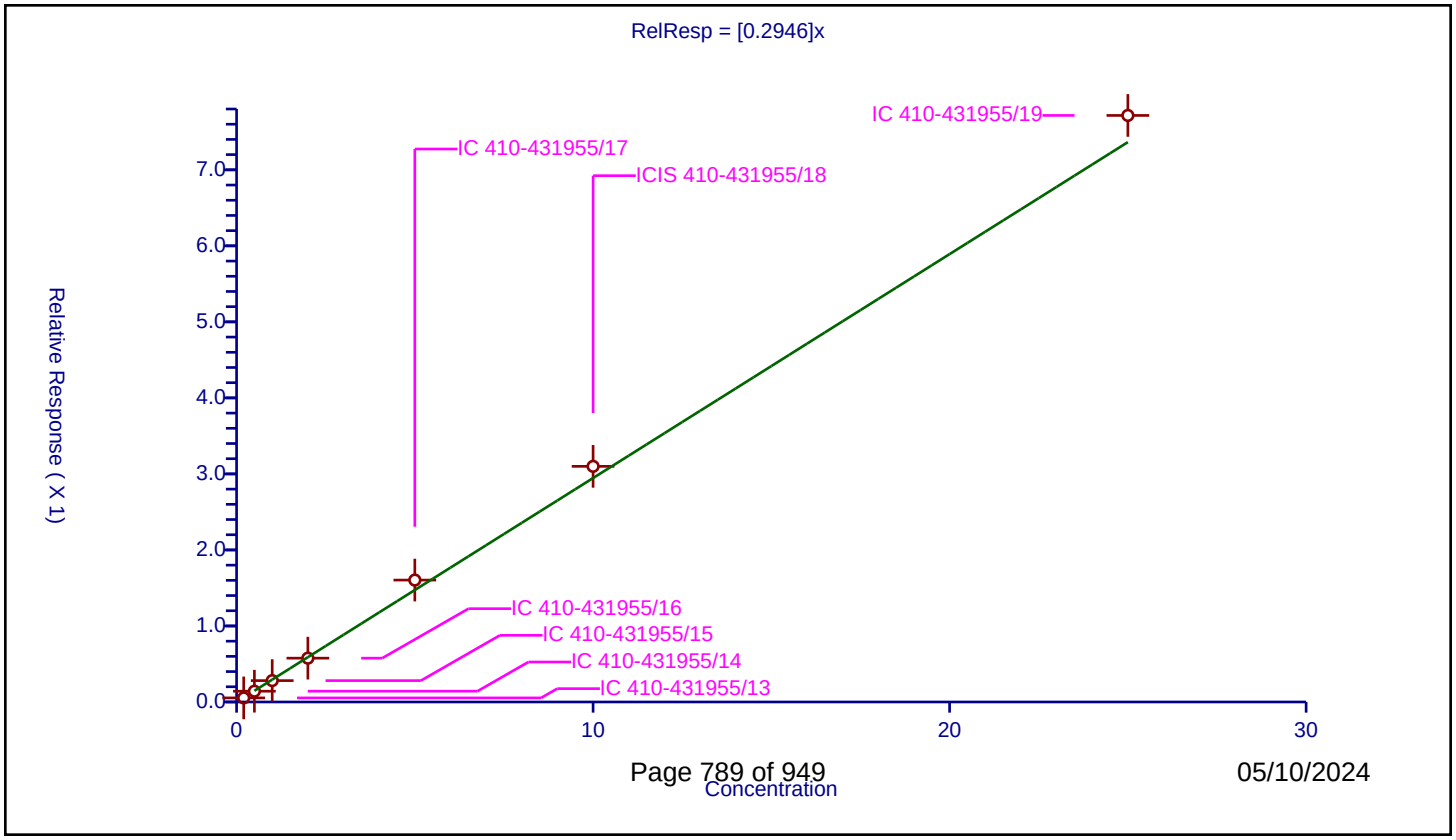
Curve Coefficients

Intercept:	0
Slope:	0.2946

Error Coefficients

Standard Error:	490000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.05393	10.0	1303181.0	0.269648	Y
2	IC 410-431955/14	0.5	0.141787	10.0	1303431.0	0.283575	Y
3	IC 410-431955/15	1.0	0.281141	10.0	1309701.0	0.281141	Y
4	IC 410-431955/16	2.0	0.576618	10.0	1328211.0	0.288309	Y
5	IC 410-431955/17	5.0	1.603633	10.0	1333491.0	0.320727	Y
6	ICIS 410-431955/18	10.0	3.09973	10.0	1358954.0	0.309973	Y
7	IC 410-431955/19	25.0	7.715521	10.0	1426382.0	0.308621	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

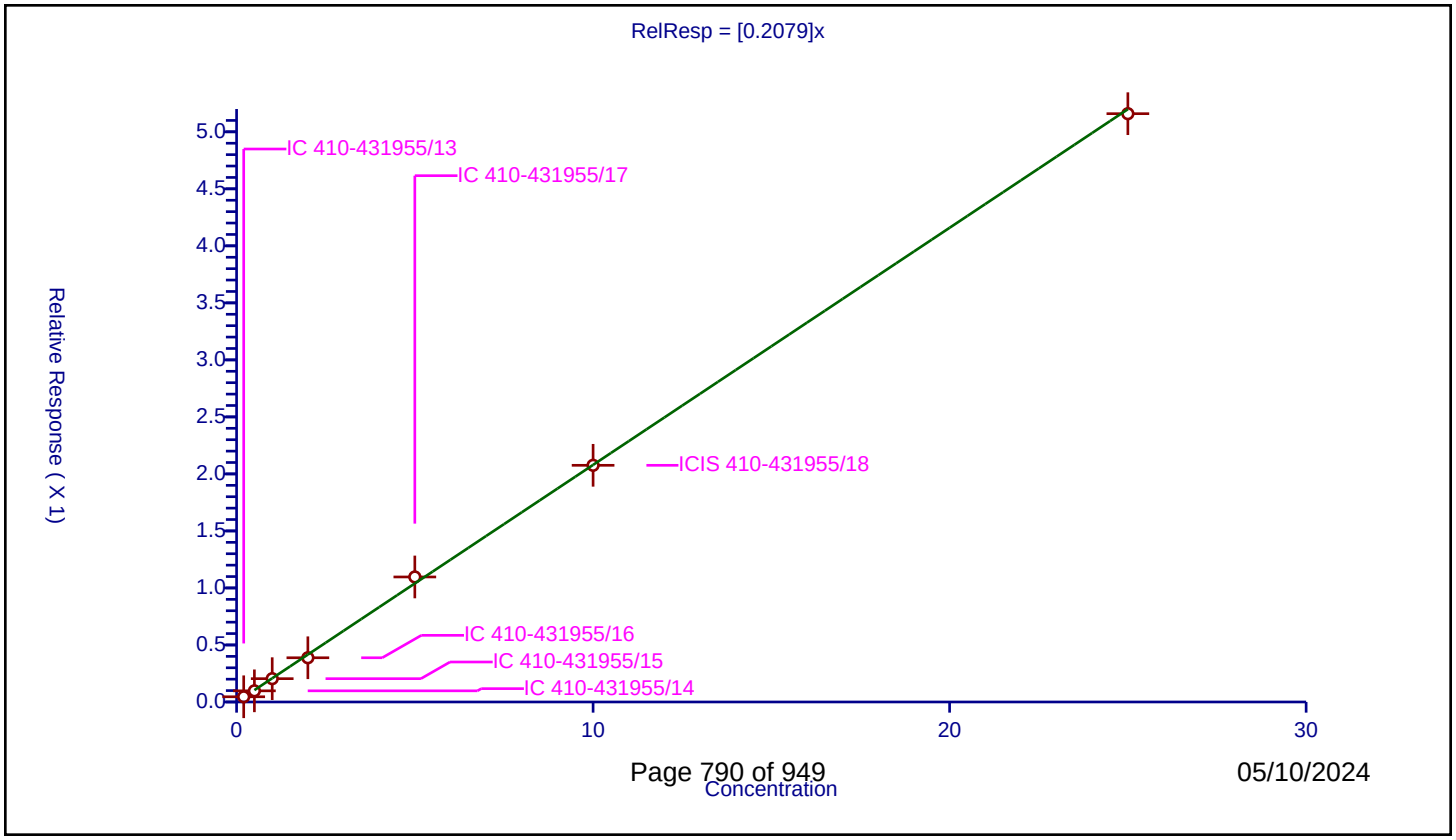
Curve Coefficients

Intercept:	0
Slope:	0.2079

Error Coefficients

Standard Error:	328000
Relative Standard Error:	5.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.045627	10.0	1303181.0	0.228134	Y
2	IC 410-431955/14	0.5	0.097872	10.0	1303431.0	0.195745	Y
3	IC 410-431955/15	1.0	0.204421	10.0	1309701.0	0.204421	Y
4	IC 410-431955/16	2.0	0.38795	10.0	1328211.0	0.193975	Y
5	IC 410-431955/17	5.0	1.096453	10.0	1333491.0	0.219291	Y
6	ICIS 410-431955/18	10.0	2.075633	10.0	1358954.0	0.207563	Y
7	IC 410-431955/19	25.0	5.158997	10.0	1426382.0	0.20636	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

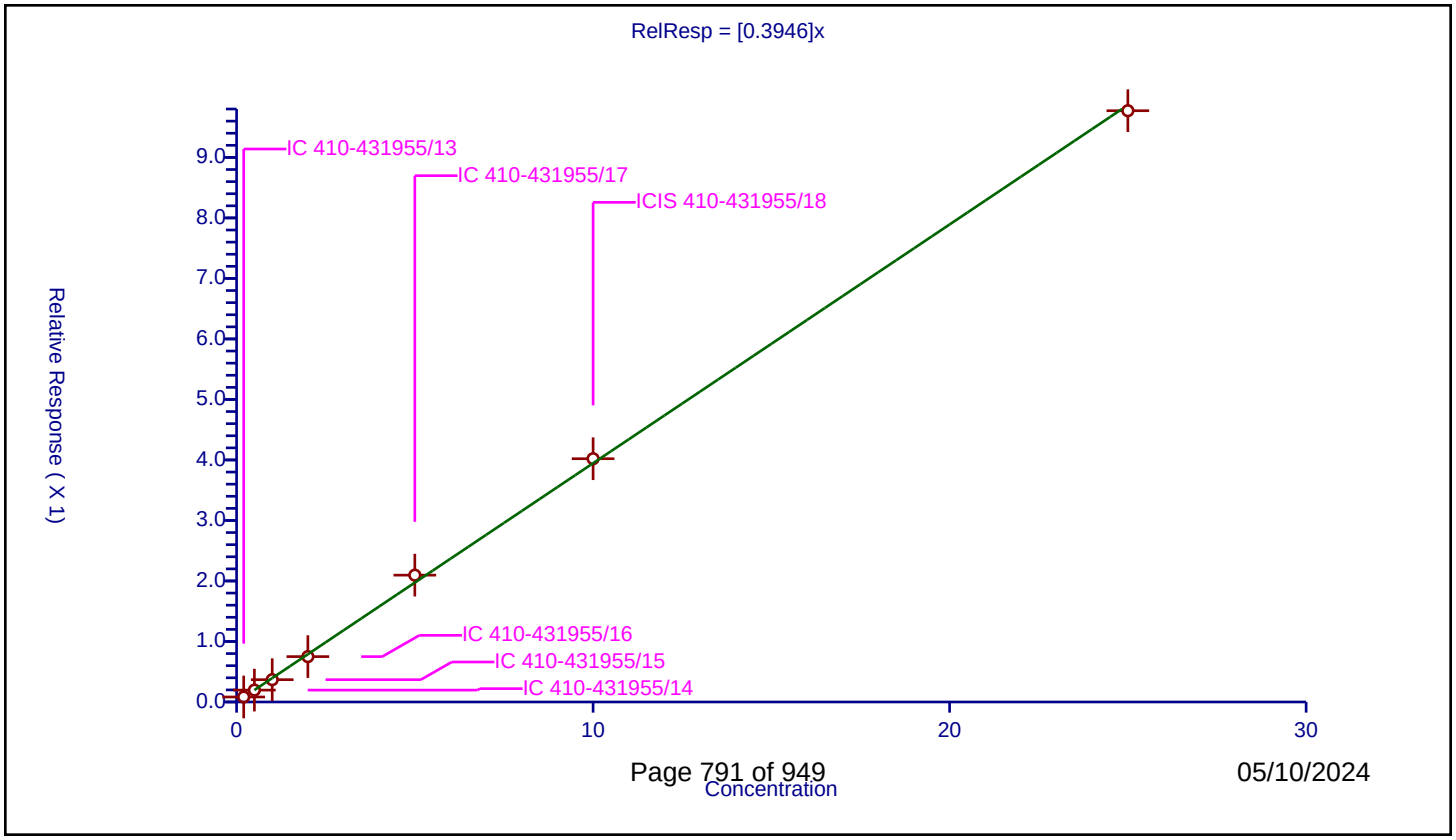
Curve Coefficients

Intercept:	0
Slope:	0.3946

Error Coefficients

Standard Error:	623000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.082767	10.0	1303181.0	0.413834	Y
2	IC 410-431955/14	0.5	0.196313	10.0	1303431.0	0.392625	Y
3	IC 410-431955/15	1.0	0.368695	10.0	1309701.0	0.368695	Y
4	IC 410-431955/16	2.0	0.749708	10.0	1328211.0	0.374854	Y
5	IC 410-431955/17	5.0	2.096175	10.0	1333491.0	0.419235	Y
6	ICIS 410-431955/18	10.0	4.020342	10.0	1358954.0	0.402034	Y
7	IC 410-431955/19	25.0	9.771926	10.0	1426382.0	0.390877	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

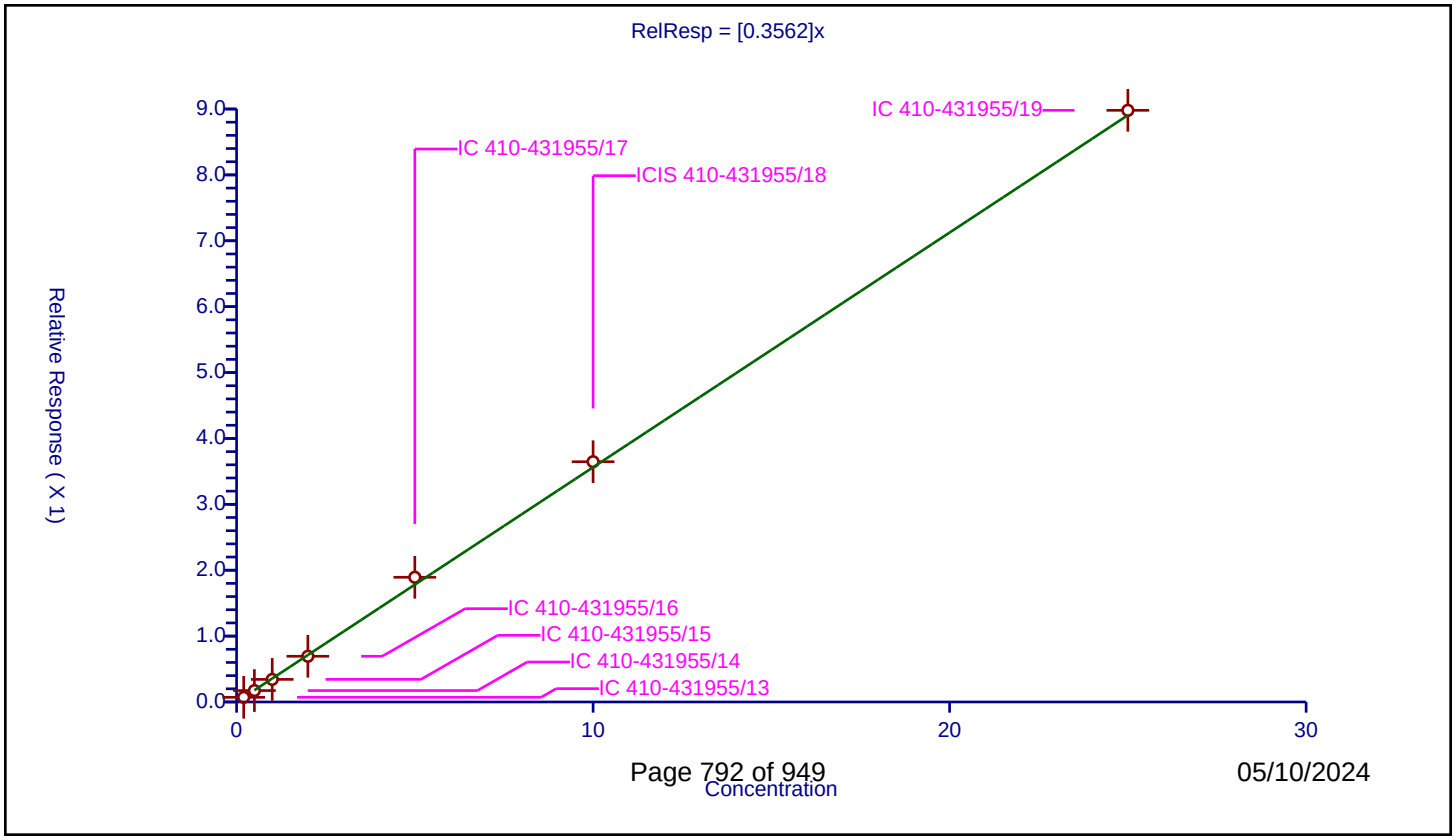
Curve Coefficients

Intercept:	0
Slope:	0.3562

Error Coefficients

Standard Error:	572000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.070957	10.0	1303181.0	0.354786	Y
2	IC 410-431955/14	0.5	0.173281	10.0	1303431.0	0.346562	Y
3	IC 410-431955/15	1.0	0.342811	10.0	1309701.0	0.342811	Y
4	IC 410-431955/16	2.0	0.693918	10.0	1328211.0	0.346959	Y
5	IC 410-431955/17	5.0	1.892746	10.0	1333491.0	0.378549	Y
6	ICIS 410-431955/18	10.0	3.646665	10.0	1358954.0	0.364667	Y
7	IC 410-431955/19	25.0	8.980322	10.0	1426382.0	0.359213	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

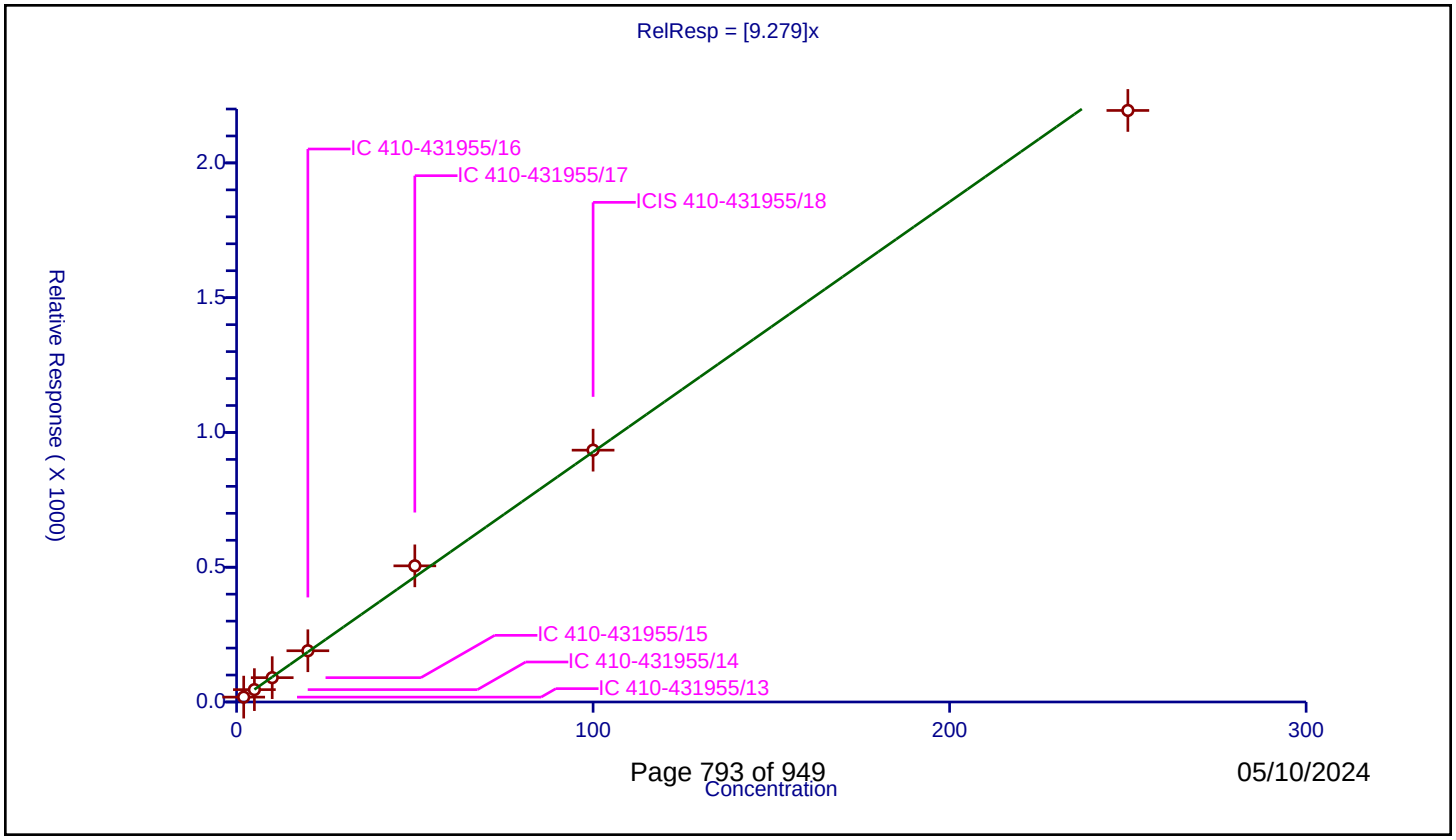
Curve Coefficients

Intercept:	0
Slope:	9.279

Error Coefficients

Standard Error:	1830000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	2.0	18.062012	50.0	75501.0	9.031006	Y
2	IC 410-431955/14	5.0	45.830502	50.0	75057.0	9.1661	Y
3	IC 410-431955/15	10.0	90.26756	50.0	79384.0	9.026756	Y
4	IC 410-431955/16	20.0	190.13314	50.0	77137.0	9.506657	Y
5	IC 410-431955/17	50.0	505.110359	50.0	78879.0	10.102207	Y
6	ICIS 410-431955/18	100.0	934.324047	50.0	83963.0	9.34324	Y
7	IC 410-431955/19	250.0	2194.658252	50.0	93724.0	8.778633	Y



05/10/2024

Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

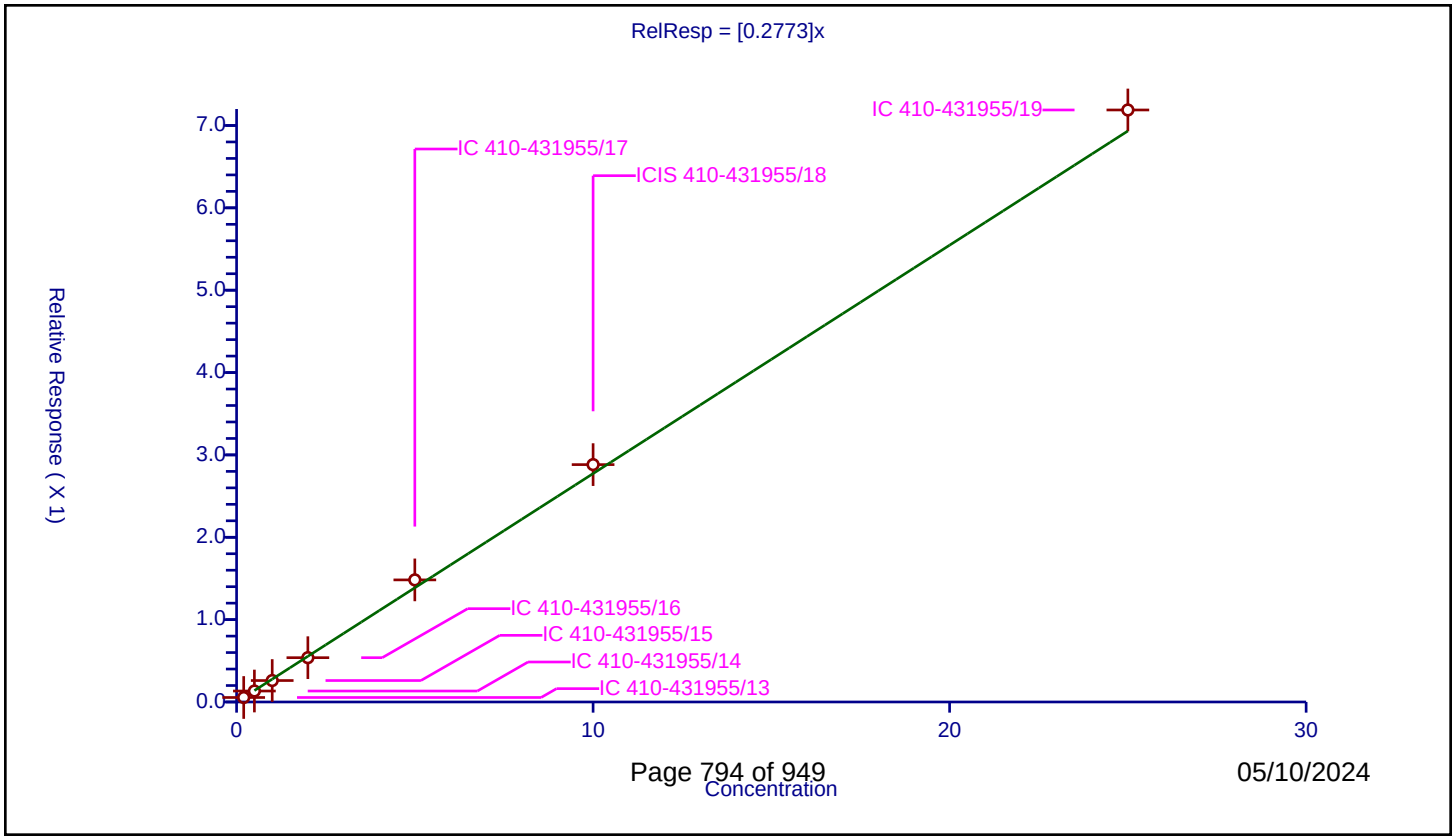
Curve Coefficients

Intercept:	0
Slope:	0.2773

Error Coefficients

Standard Error:	457000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.054643	10.0	1303181.0	0.273216	Y
2	IC 410-431955/14	0.5	0.133218	10.0	1303431.0	0.266435	Y
3	IC 410-431955/15	1.0	0.260464	10.0	1309701.0	0.260464	Y
4	IC 410-431955/16	2.0	0.537889	10.0	1328211.0	0.268944	Y
5	IC 410-431955/17	5.0	1.482455	10.0	1333491.0	0.296491	Y
6	ICIS 410-431955/18	10.0	2.882305	10.0	1358954.0	0.288231	Y
7	IC 410-431955/19	25.0	7.188404	10.0	1426382.0	0.287536	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

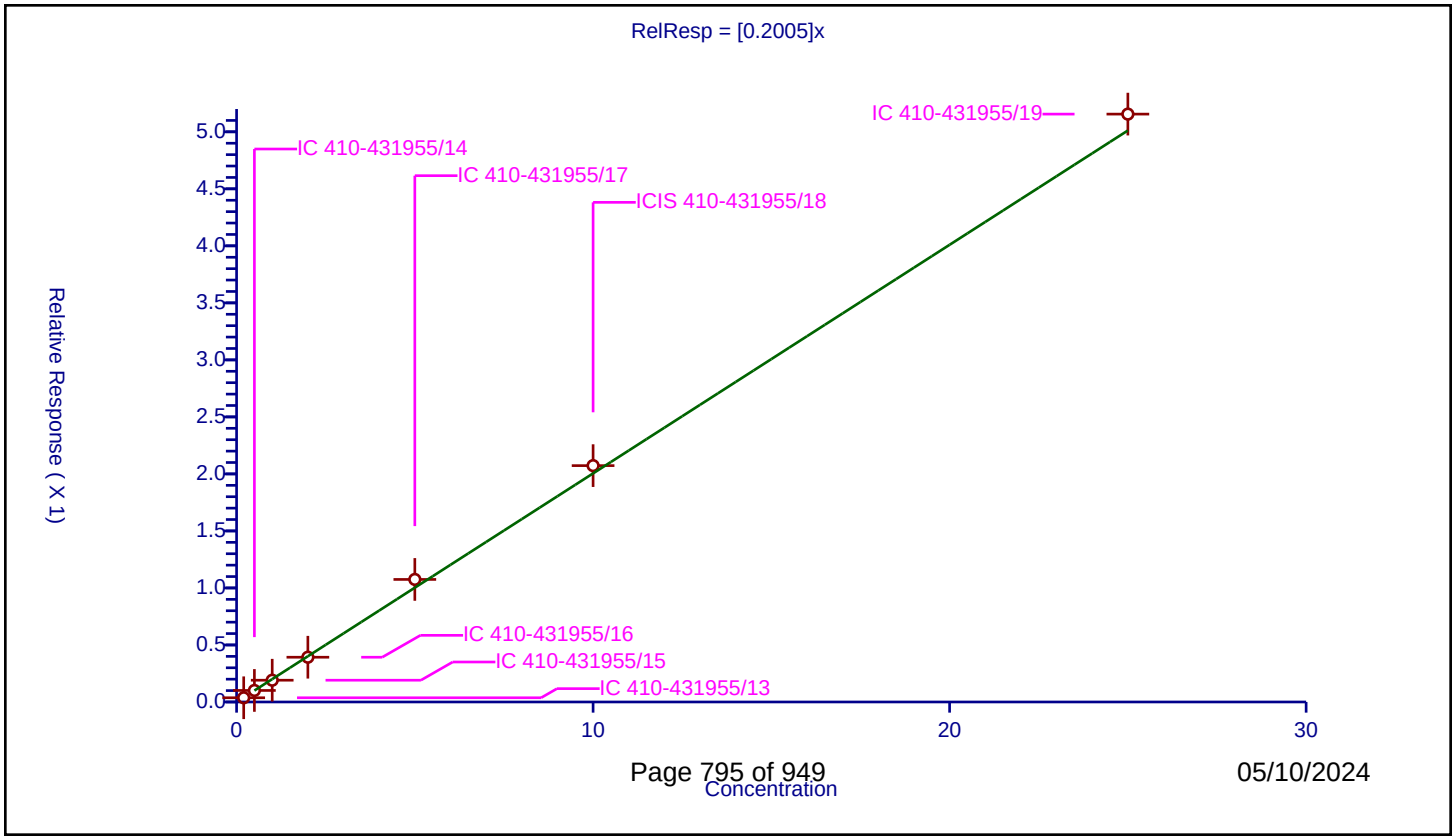
Curve Coefficients

Intercept:	0
Slope:	0.2005

Error Coefficients

Standard Error:	328000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.037117	10.0	1303181.0	0.185584	Y
2	IC 410-431955/14	0.5	0.101064	10.0	1303431.0	0.202128	Y
3	IC 410-431955/15	1.0	0.190853	10.0	1309701.0	0.190853	Y
4	IC 410-431955/16	2.0	0.392536	10.0	1328211.0	0.196268	Y
5	IC 410-431955/17	5.0	1.074675	10.0	1333491.0	0.214935	Y
6	ICIS 410-431955/18	10.0	2.072646	10.0	1358954.0	0.207265	Y
7	IC 410-431955/19	25.0	5.1554	10.0	1426382.0	0.206216	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

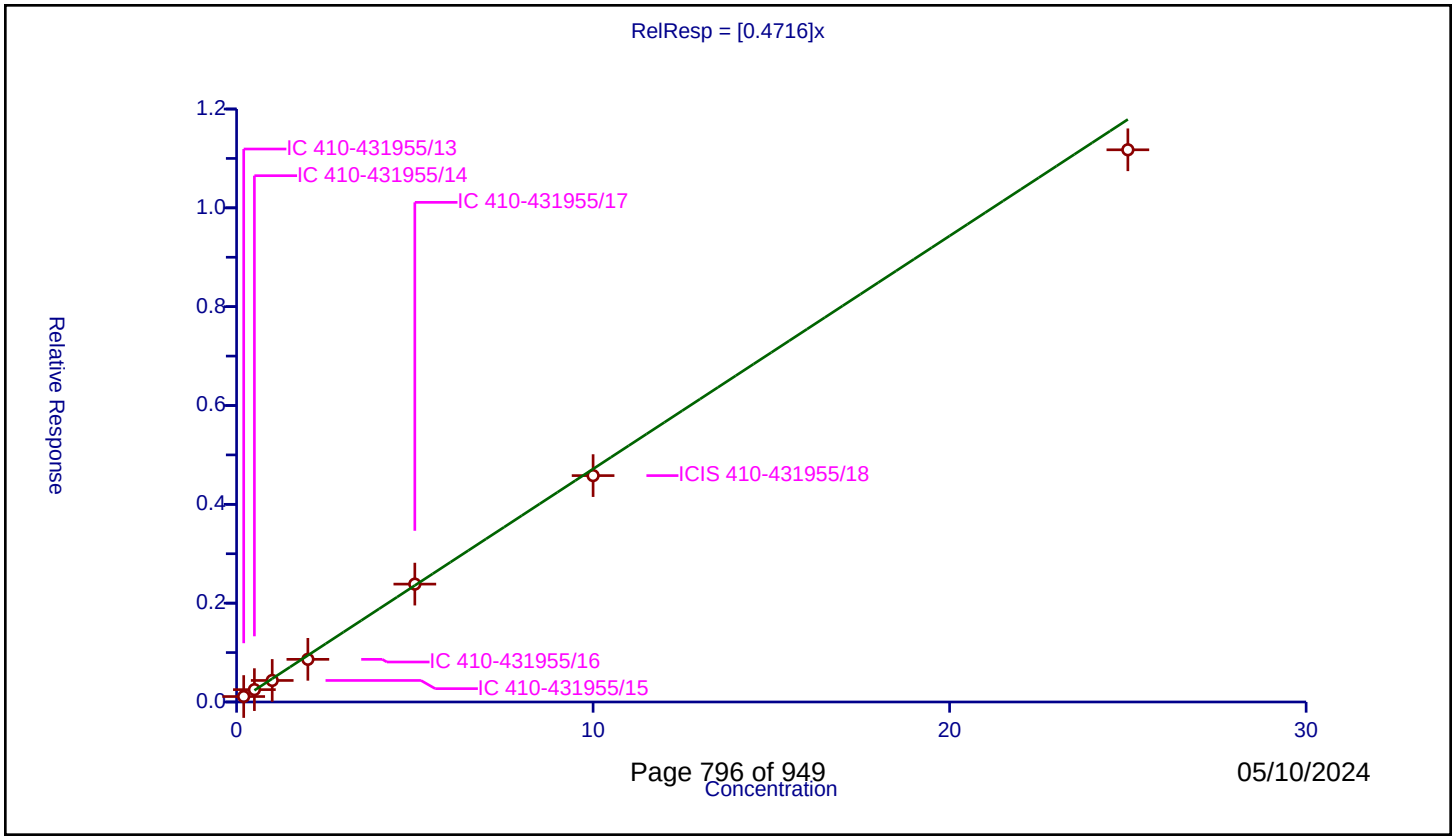
Curve Coefficients

Intercept:	0
Slope:	0.4716

Error Coefficients

Standard Error:	713000
Relative Standard Error:	9.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.110299	10.0	1303181.0	0.551497	Y
2	IC 410-431955/14	0.5	0.250086	10.0	1303431.0	0.500172	Y
3	IC 410-431955/15	1.0	0.435557	10.0	1309701.0	0.435557	Y
4	IC 410-431955/16	2.0	0.863274	10.0	1328211.0	0.431637	Y
5	IC 410-431955/17	5.0	2.38552	10.0	1333491.0	0.477104	Y
6	ICIS 410-431955/18	10.0	4.581251	10.0	1358954.0	0.458125	Y
7	IC 410-431955/19	25.0	11.174812	10.0	1426382.0	0.446992	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

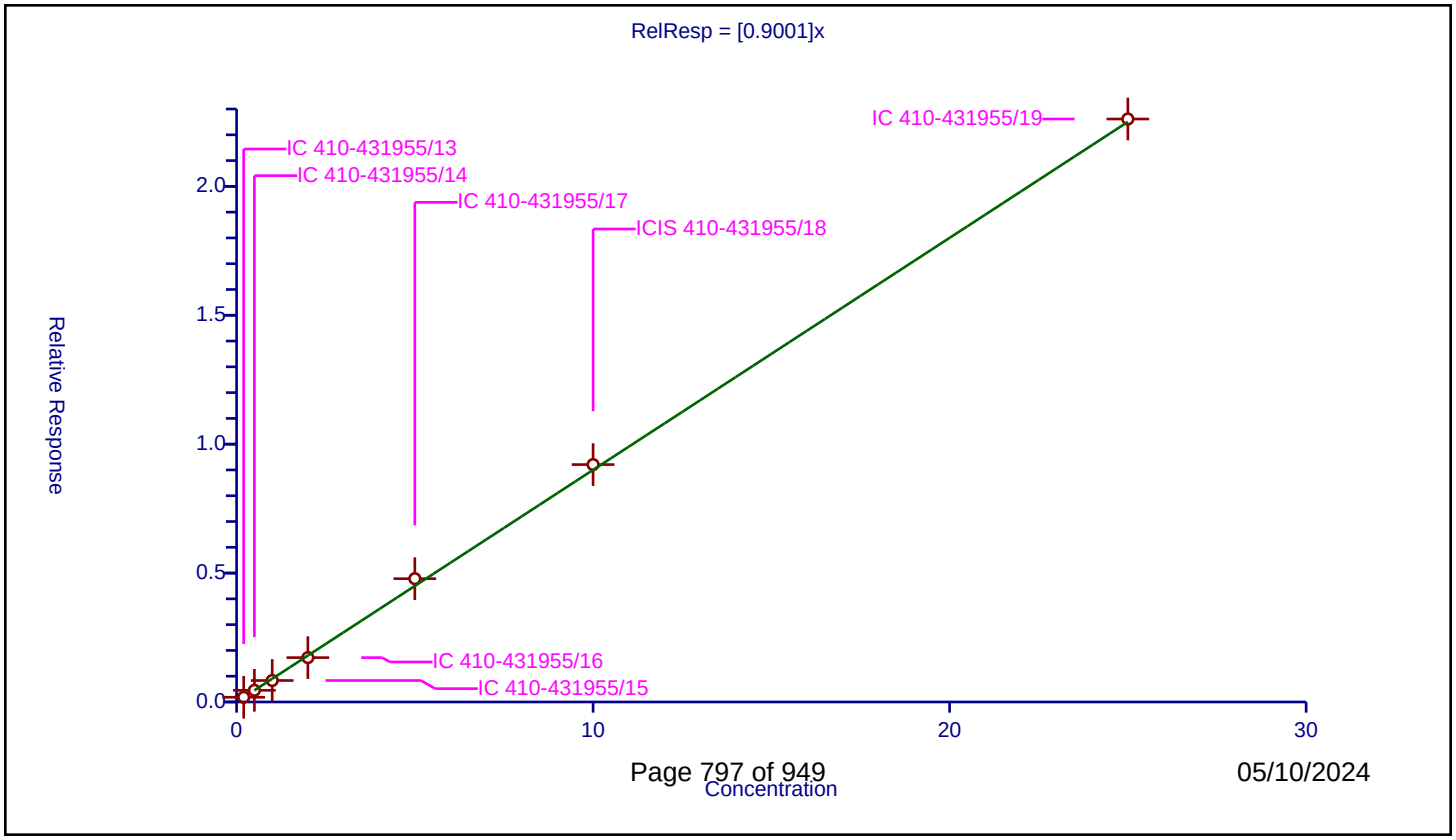
Curve Coefficients

Intercept:	0
Slope:	0.9001

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.183942	10.0	1303181.0	0.919711	Y
2	IC 410-431955/14	0.5	0.452652	10.0	1303431.0	0.905303	Y
3	IC 410-431955/15	1.0	0.833412	10.0	1309701.0	0.833412	Y
4	IC 410-431955/16	2.0	1.720849	10.0	1328211.0	0.860424	Y
5	IC 410-431955/17	5.0	4.782897	10.0	1333491.0	0.956579	Y
6	ICIS 410-431955/18	10.0	9.208479	10.0	1358954.0	0.920848	Y
7	IC 410-431955/19	25.0	22.612035	10.0	1426382.0	0.904481	Y



05/10/2024

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

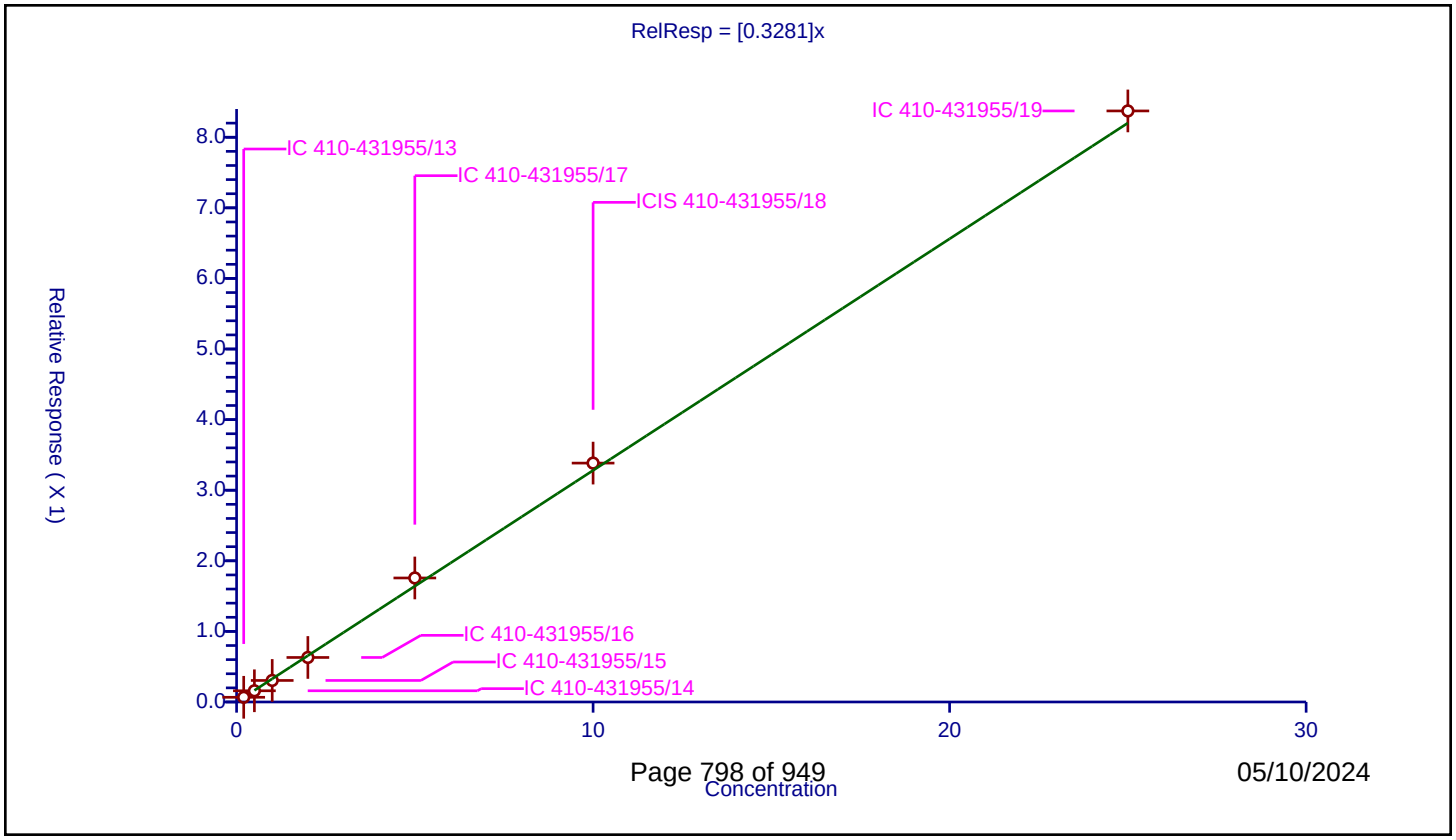
Curve Coefficients

Intercept:	0
Slope:	0.3281

Error Coefficients

Standard Error:	533000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.066752	10.0	1303181.0	0.33376	Y
2	IC 410-431955/14	0.5	0.158758	10.0	1303431.0	0.317516	Y
3	IC 410-431955/15	1.0	0.305207	10.0	1309701.0	0.305207	Y
4	IC 410-431955/16	2.0	0.630487	10.0	1328211.0	0.315244	Y
5	IC 410-431955/17	5.0	1.756817	10.0	1333491.0	0.351363	Y
6	ICIS 410-431955/18	10.0	3.38425	10.0	1358954.0	0.338425	Y
7	IC 410-431955/19	25.0	8.372813	10.0	1426382.0	0.334913	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

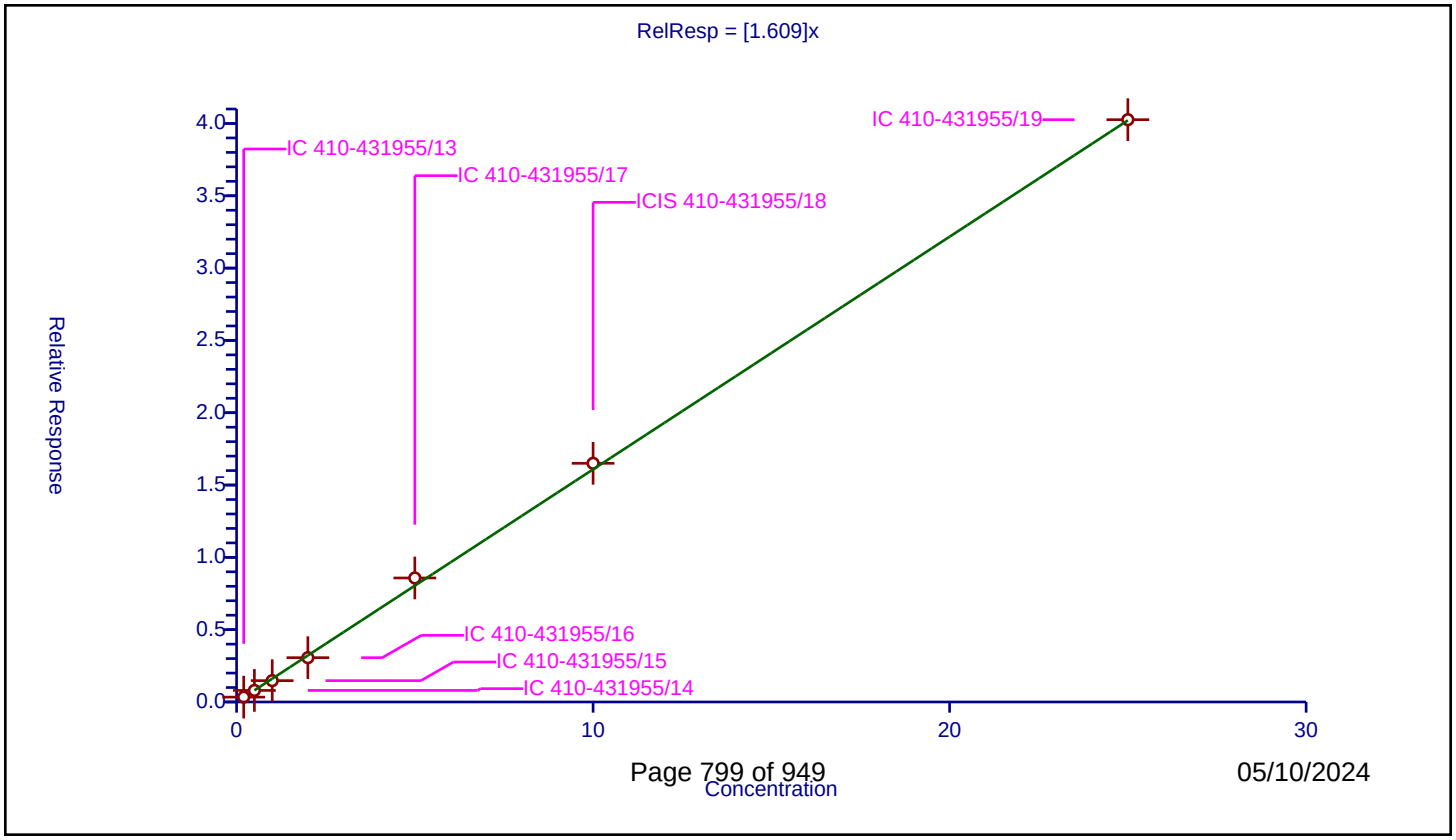
Curve Coefficients

Intercept:	0
Slope:	1.609

Error Coefficients

Standard Error:	2570000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.335916	10.0	1303181.0	1.679582	Y
2	IC 410-431955/14	0.5	0.798846	10.0	1303431.0	1.597691	Y
3	IC 410-431955/15	1.0	1.475383	10.0	1309701.0	1.475383	Y
4	IC 410-431955/16	2.0	3.06303	10.0	1328211.0	1.531515	Y
5	IC 410-431955/17	5.0	8.574501	10.0	1333491.0	1.7149	Y
6	ICIS 410-431955/18	10.0	16.503598	10.0	1358954.0	1.65036	Y
7	IC 410-431955/19	25.0	40.263113	10.0	1426382.0	1.610525	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

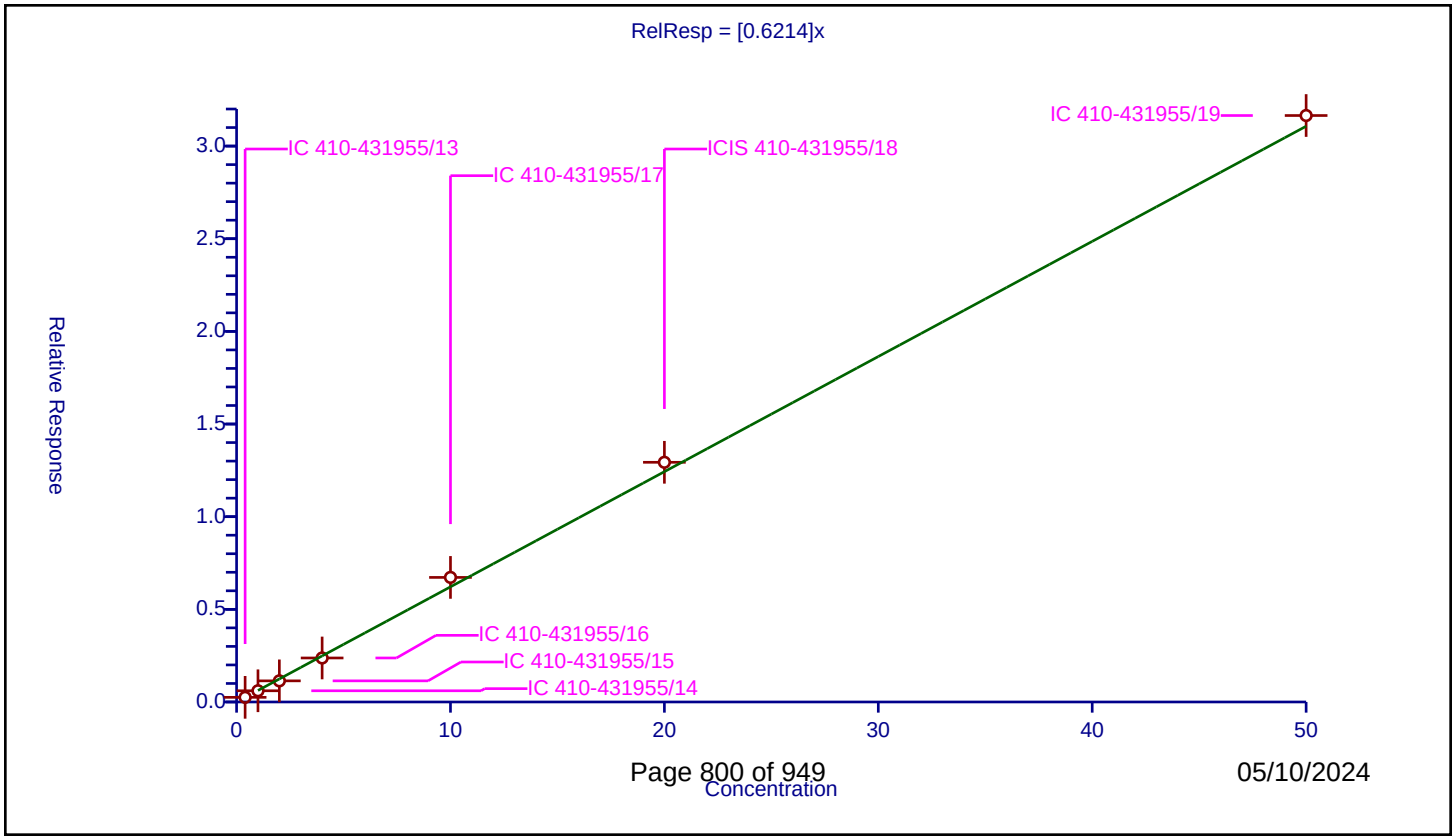
Curve Coefficients

Intercept:	0
Slope:	0.6214

Error Coefficients

Standard Error:	2020000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.4	0.25163	10.0	1303181.0	0.629076	Y
2	IC 410-431955/14	1.0	0.604758	10.0	1303431.0	0.604758	Y
3	IC 410-431955/15	2.0	1.14039	10.0	1309701.0	0.570195	Y
4	IC 410-431955/16	4.0	2.374931	10.0	1328211.0	0.593733	Y
5	IC 410-431955/17	10.0	6.722918	10.0	1333491.0	0.672292	Y
6	ICIS 410-431955/18	20.0	12.93564	10.0	1358954.0	0.646782	Y
7	IC 410-431955/19	50.0	31.648184	10.0	1426382.0	0.632964	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

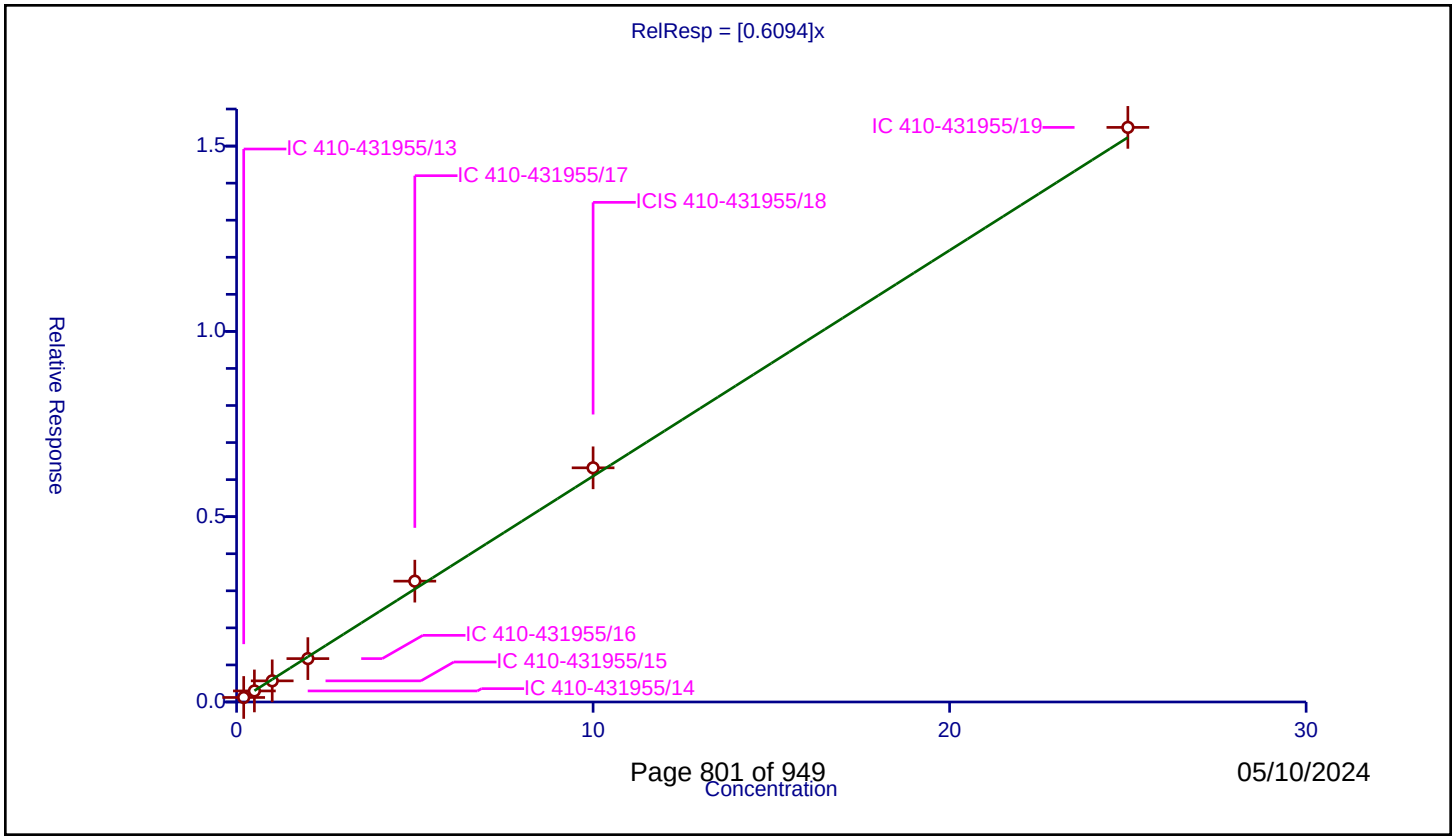
Curve Coefficients

Intercept:	0
Slope:	0.6094

Error Coefficients

Standard Error:	987000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.121909	10.0	1303181.0	0.609547	Y
2	IC 410-431955/14	0.5	0.298267	10.0	1303431.0	0.596533	Y
3	IC 410-431955/15	1.0	0.570122	10.0	1309701.0	0.570122	Y
4	IC 410-431955/16	2.0	1.170492	10.0	1328211.0	0.585246	Y
5	IC 410-431955/17	5.0	3.260224	10.0	1333491.0	0.652045	Y
6	ICIS 410-431955/18	10.0	6.318426	10.0	1358954.0	0.631843	Y
7	IC 410-431955/19	25.0	15.504486	10.0	1426382.0	0.620179	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

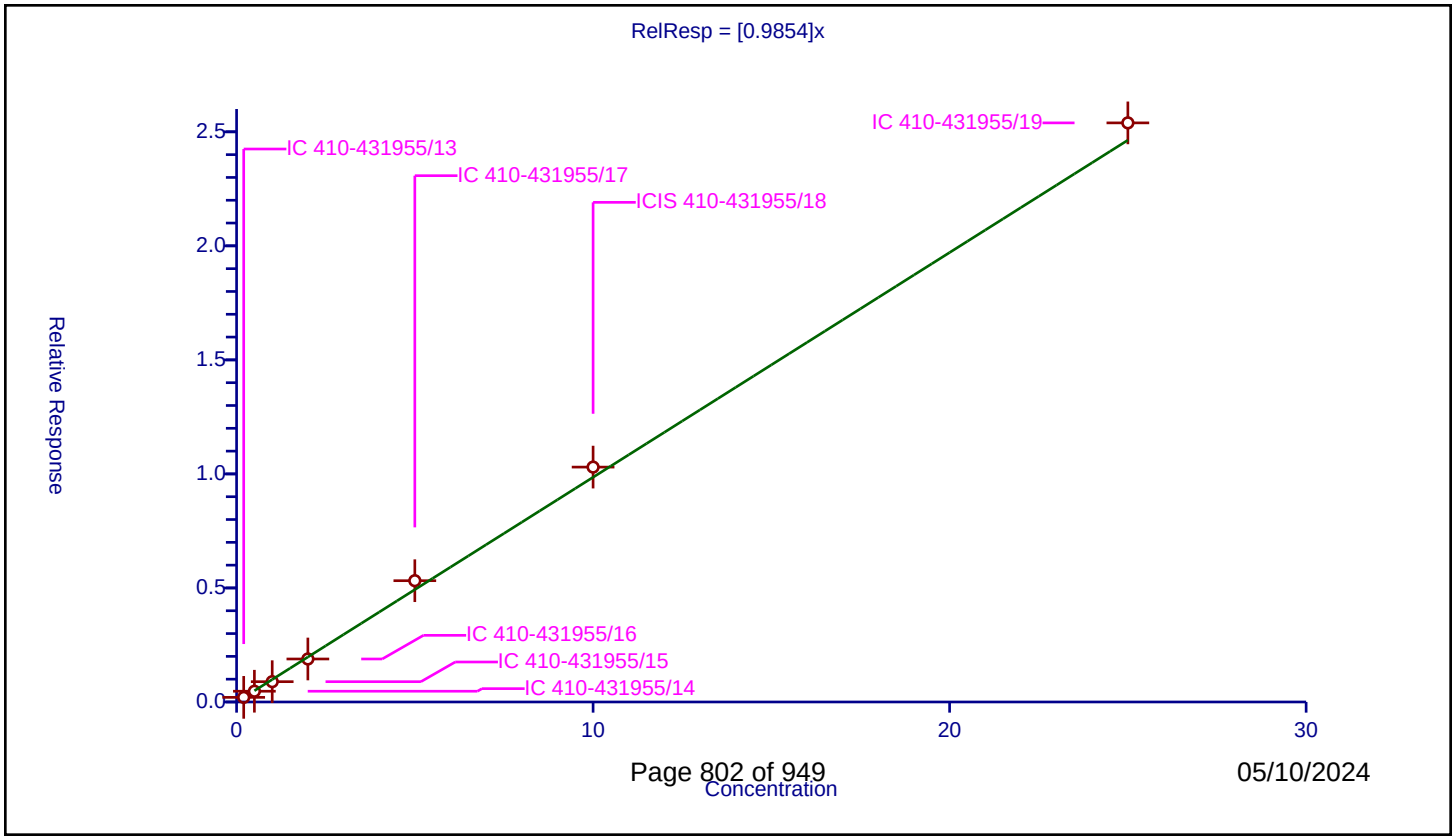
Curve Coefficients

Intercept:	0
Slope:	0.9854

Error Coefficients

Standard Error:	1620000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.202451	10.0	1303181.0	1.012254	Y
2	IC 410-431955/14	0.5	0.471272	10.0	1303431.0	0.942543	Y
3	IC 410-431955/15	1.0	0.890761	10.0	1309701.0	0.890761	Y
4	IC 410-431955/16	2.0	1.885747	10.0	1328211.0	0.942874	Y
5	IC 410-431955/17	5.0	5.317749	10.0	1333491.0	1.06355	Y
6	ICIS 410-431955/18	10.0	10.299157	10.0	1358954.0	1.029916	Y
7	IC 410-431955/19	25.0	25.39237	10.0	1426382.0	1.015695	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

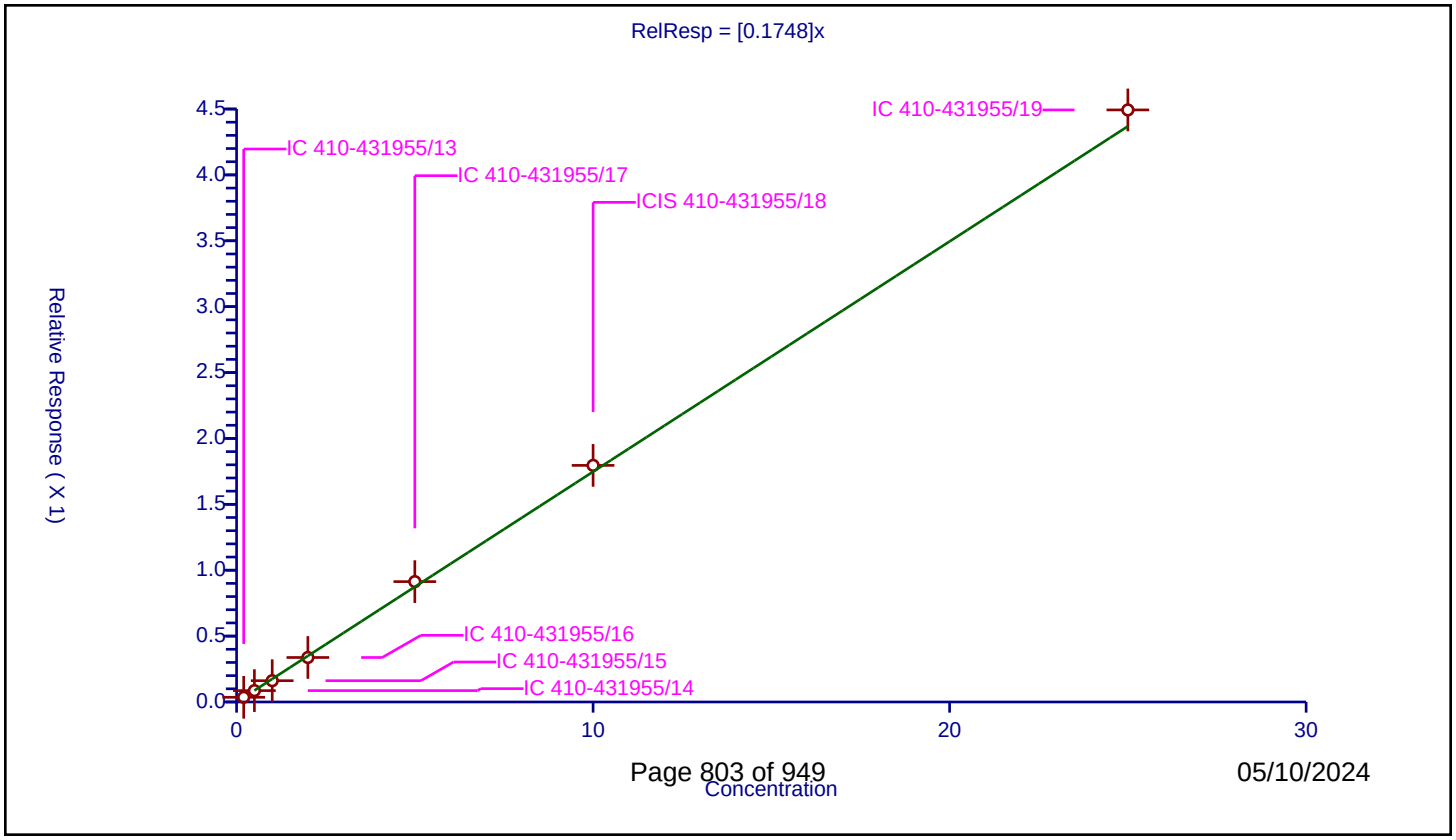
Curve Coefficients

Intercept:	0
Slope:	0.1748

Error Coefficients

Standard Error:	285000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.035705	10.0	1303181.0	0.178525	Y
2	IC 410-431955/14	0.5	0.086219	10.0	1303431.0	0.172437	Y
3	IC 410-431955/15	1.0	0.16151	10.0	1309701.0	0.16151	Y
4	IC 410-431955/16	2.0	0.337665	10.0	1328211.0	0.168832	Y
5	IC 410-431955/17	5.0	0.913452	10.0	1333491.0	0.18269	Y
6	ICIS 410-431955/18	10.0	1.795462	10.0	1358954.0	0.179546	Y
7	IC 410-431955/19	25.0	4.493081	10.0	1426382.0	0.179723	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

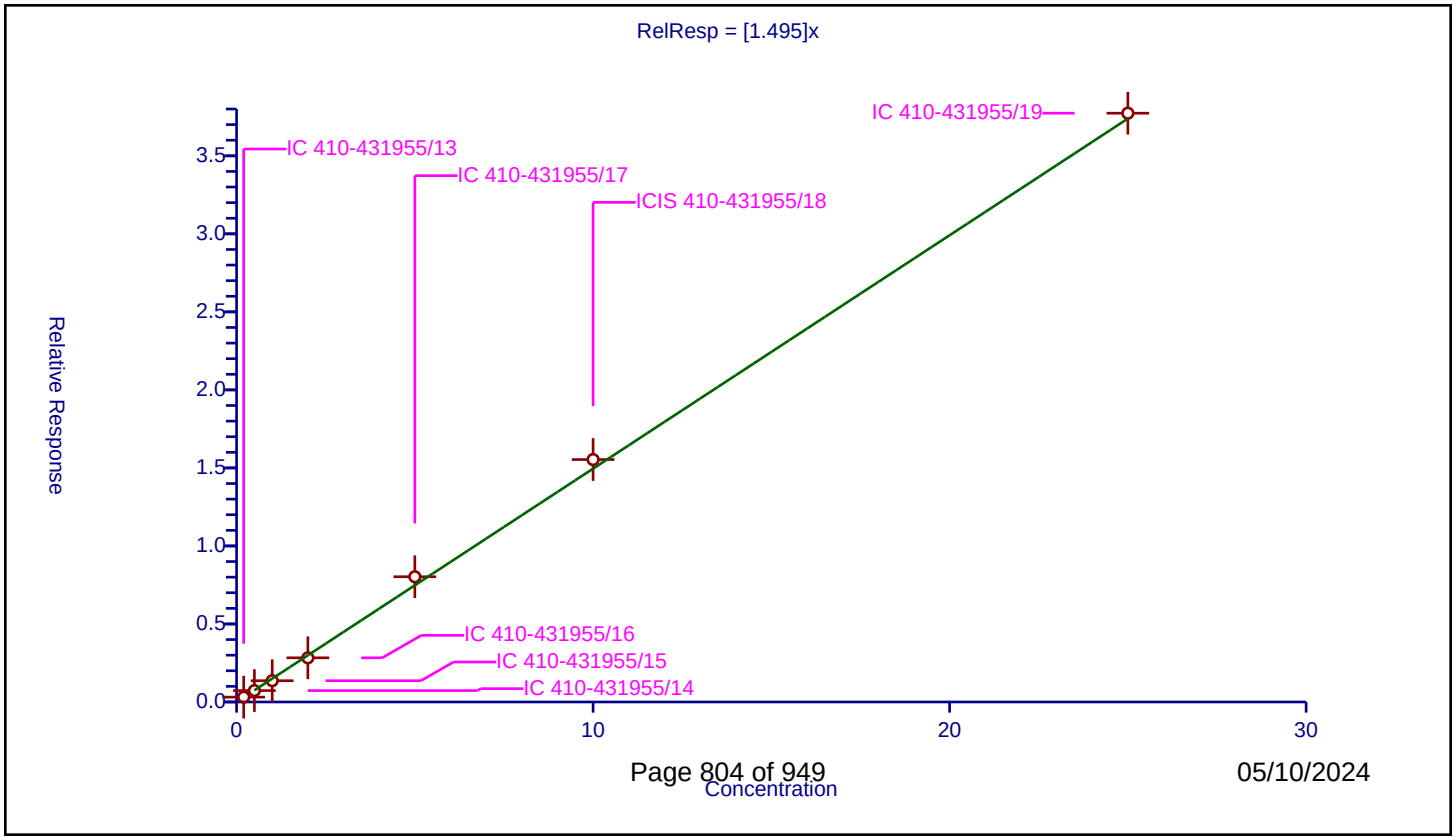
Curve Coefficients

Intercept:	0
Slope:	1.495

Error Coefficients

Standard Error:	2410000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.311722	10.0	1303181.0	1.558609	Y
2	IC 410-431955/14	0.5	0.731255	10.0	1303431.0	1.462509	Y
3	IC 410-431955/15	1.0	1.363647	10.0	1309701.0	1.363647	Y
4	IC 410-431955/16	2.0	2.830537	10.0	1328211.0	1.415268	Y
5	IC 410-431955/17	5.0	8.025851	10.0	1333491.0	1.60517	Y
6	ICIS 410-431955/18	10.0	15.53592	10.0	1358954.0	1.553592	Y
7	IC 410-431955/19	25.0	37.732515	10.0	1426382.0	1.509301	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

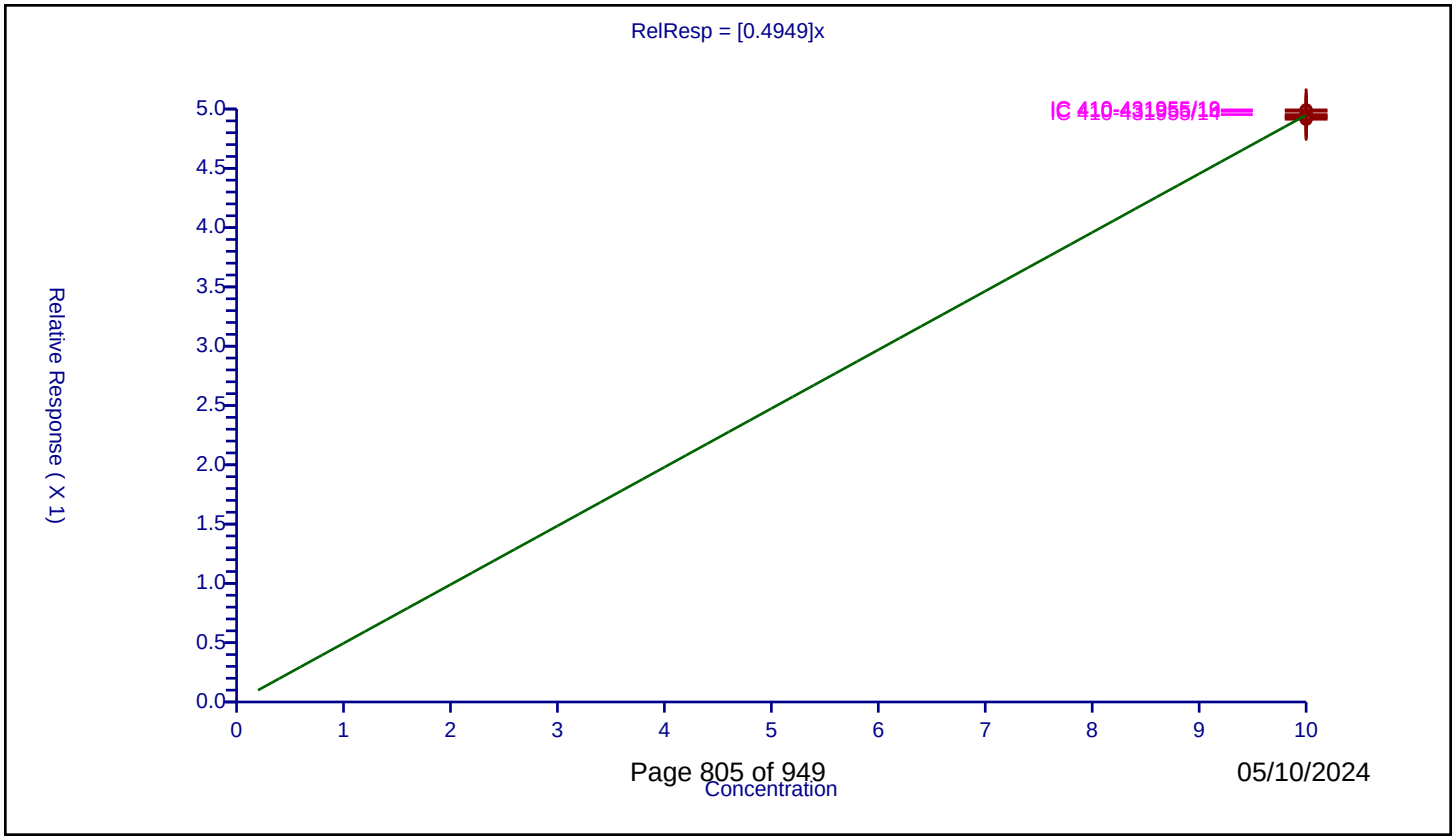
Curve Coefficients

Intercept:	0
Slope:	0.4949

Error Coefficients

Standard Error:	716000
Relative Standard Error:	0.6
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	10.0	4.913615	10.0	1303181.0	0.491362	Y
2	IC 410-431955/14	10.0	4.953097	10.0	1303431.0	0.49531	Y
3	IC 410-431955/15	10.0	4.926491	10.0	1309701.0	0.492649	Y
4	IC 410-431955/16	10.0	4.980797	10.0	1328211.0	0.49808	Y
5	IC 410-431955/17	10.0	4.945725	10.0	1333491.0	0.494573	Y
6	ICIS 410-431955/18	10.0	4.930807	10.0	1358954.0	0.493081	Y
7	IC 410-431955/19	10.0	4.9928	10.0	1426382.0	0.49928	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

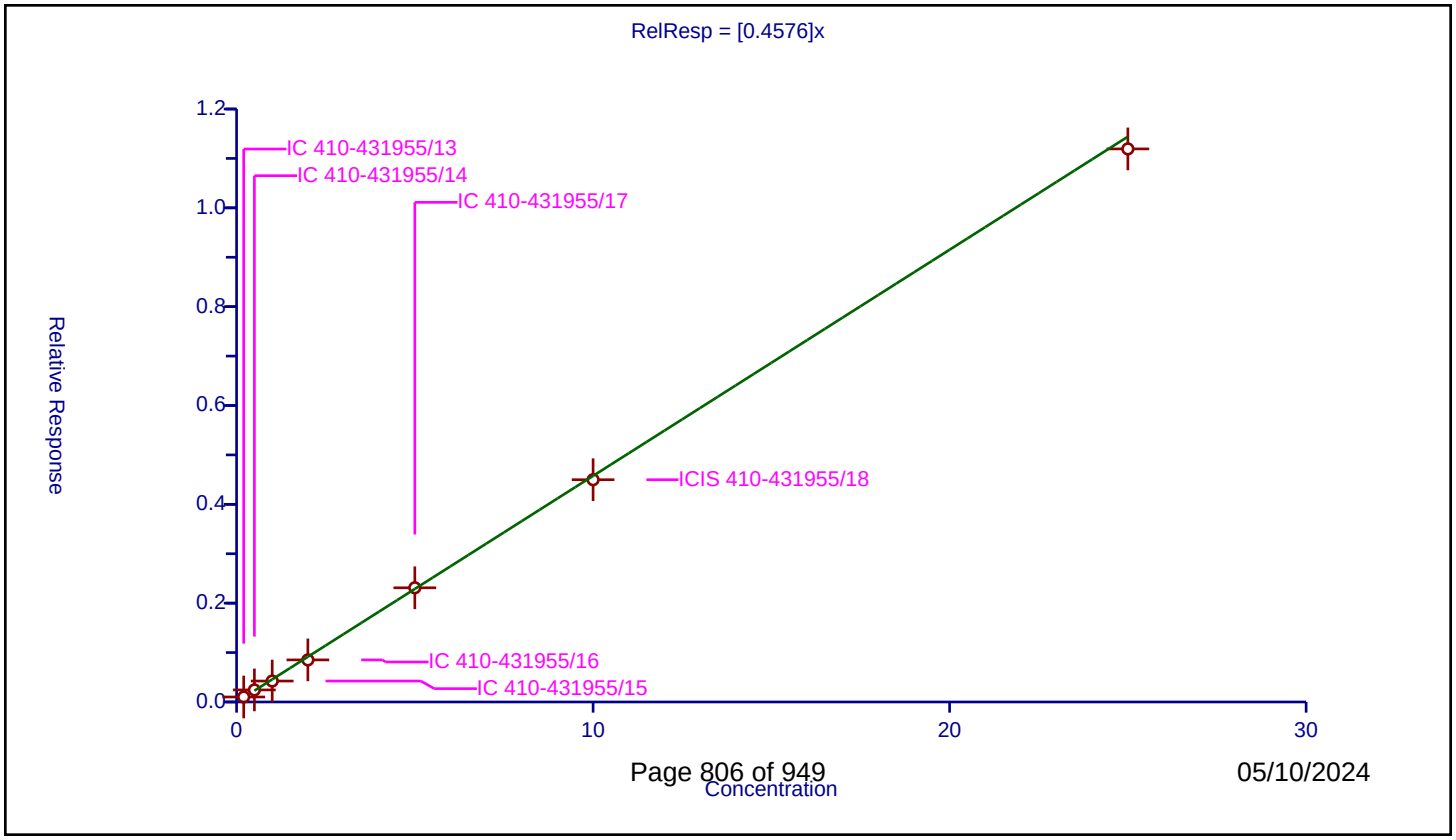
Curve Coefficients

Intercept:	0
Slope:	0.4576

Error Coefficients

Standard Error:	405000
Relative Standard Error:	6.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.101139	10.0	720593.0	0.505695	Y
2	IC 410-431955/14	0.5	0.244084	10.0	730485.0	0.488169	Y
3	IC 410-431955/15	1.0	0.423796	10.0	728345.0	0.423796	Y
4	IC 410-431955/16	2.0	0.851643	10.0	755516.0	0.425822	Y
5	IC 410-431955/17	5.0	2.31118	10.0	753615.0	0.462236	Y
6	ICIS 410-431955/18	10.0	4.498213	10.0	773685.0	0.449821	Y
7	IC 410-431955/19	25.0	11.192712	10.0	812275.0	0.447708	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

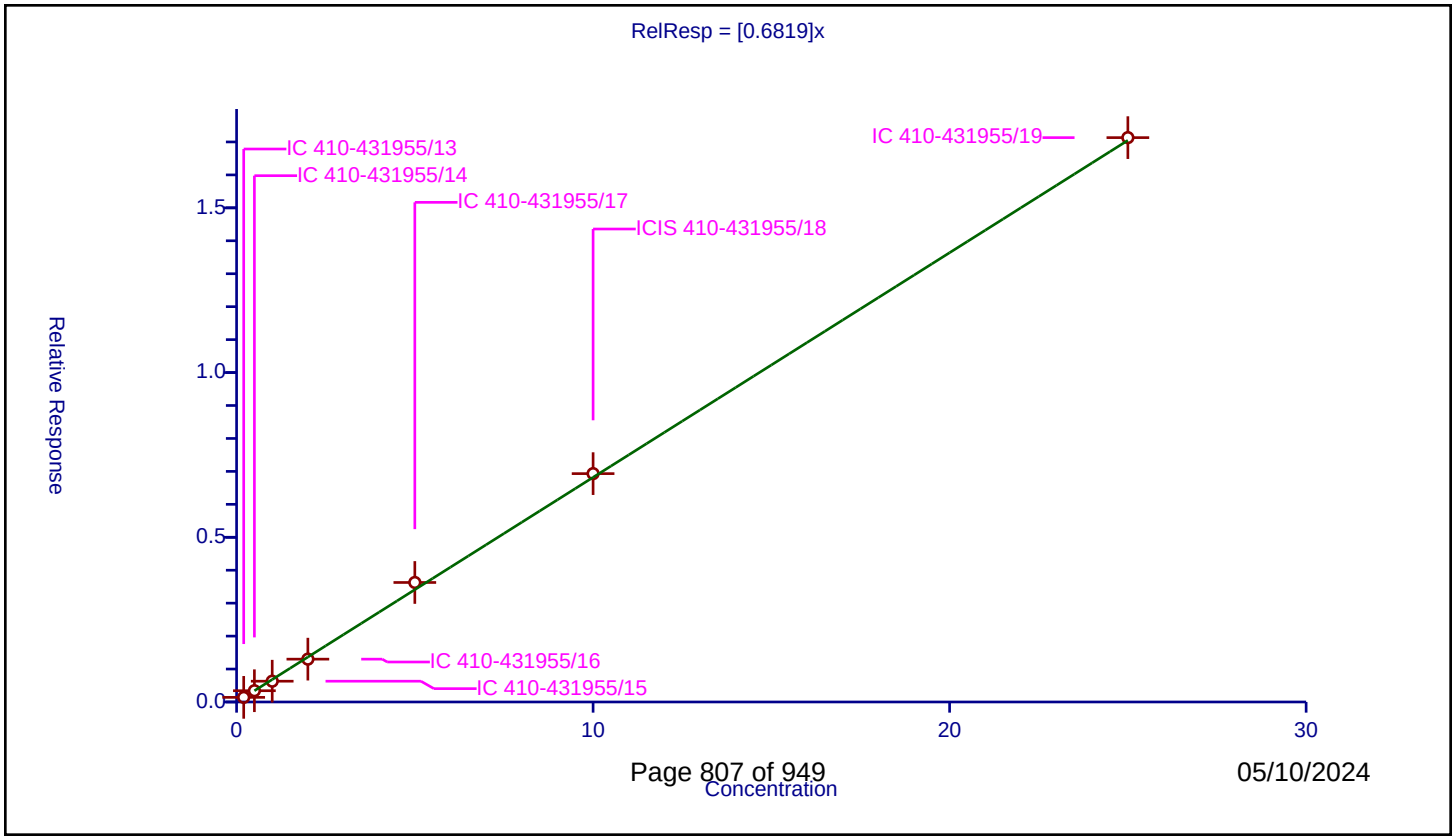
Curve Coefficients

Intercept:	0
Slope:	0.6819

Error Coefficients

Standard Error:	621000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.140815	10.0	720593.0	0.704073	Y
2	IC 410-431955/14	0.5	0.341937	10.0	730485.0	0.683874	Y
3	IC 410-431955/15	1.0	0.631116	10.0	728345.0	0.631116	Y
4	IC 410-431955/16	2.0	1.300555	10.0	755516.0	0.650277	Y
5	IC 410-431955/17	5.0	3.628046	10.0	753615.0	0.725609	Y
6	ICIS 410-431955/18	10.0	6.932253	10.0	773685.0	0.693225	Y
7	IC 410-431955/19	25.0	17.13171	10.0	812275.0	0.685268	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

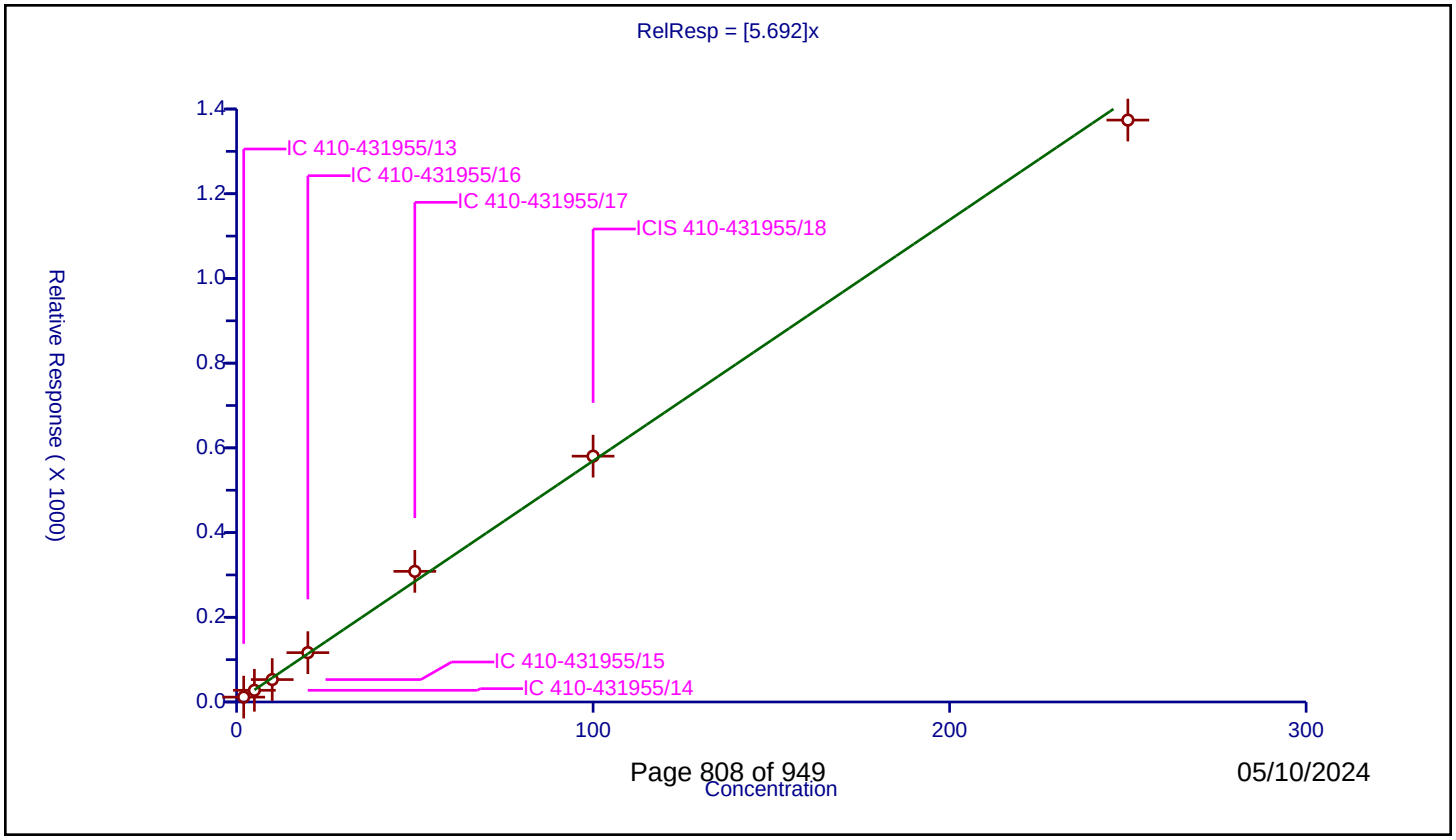
Curve Coefficients

Intercept:	0
Slope:	5.692

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	2.0	11.47998	50.0	75501.0	5.73999	Y
2	IC 410-431955/14	5.0	27.585702	50.0	75057.0	5.51714	Y
3	IC 410-431955/15	10.0	52.914945	50.0	79384.0	5.291495	Y
4	IC 410-431955/16	20.0	116.53357	50.0	77137.0	5.826679	Y
5	IC 410-431955/17	50.0	308.404011	50.0	78879.0	6.16808	Y
6	ICIS 410-431955/18	100.0	580.41161	50.0	83963.0	5.804116	Y
7	IC 410-431955/19	250.0	1373.85675	50.0	93724.0	5.495427	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

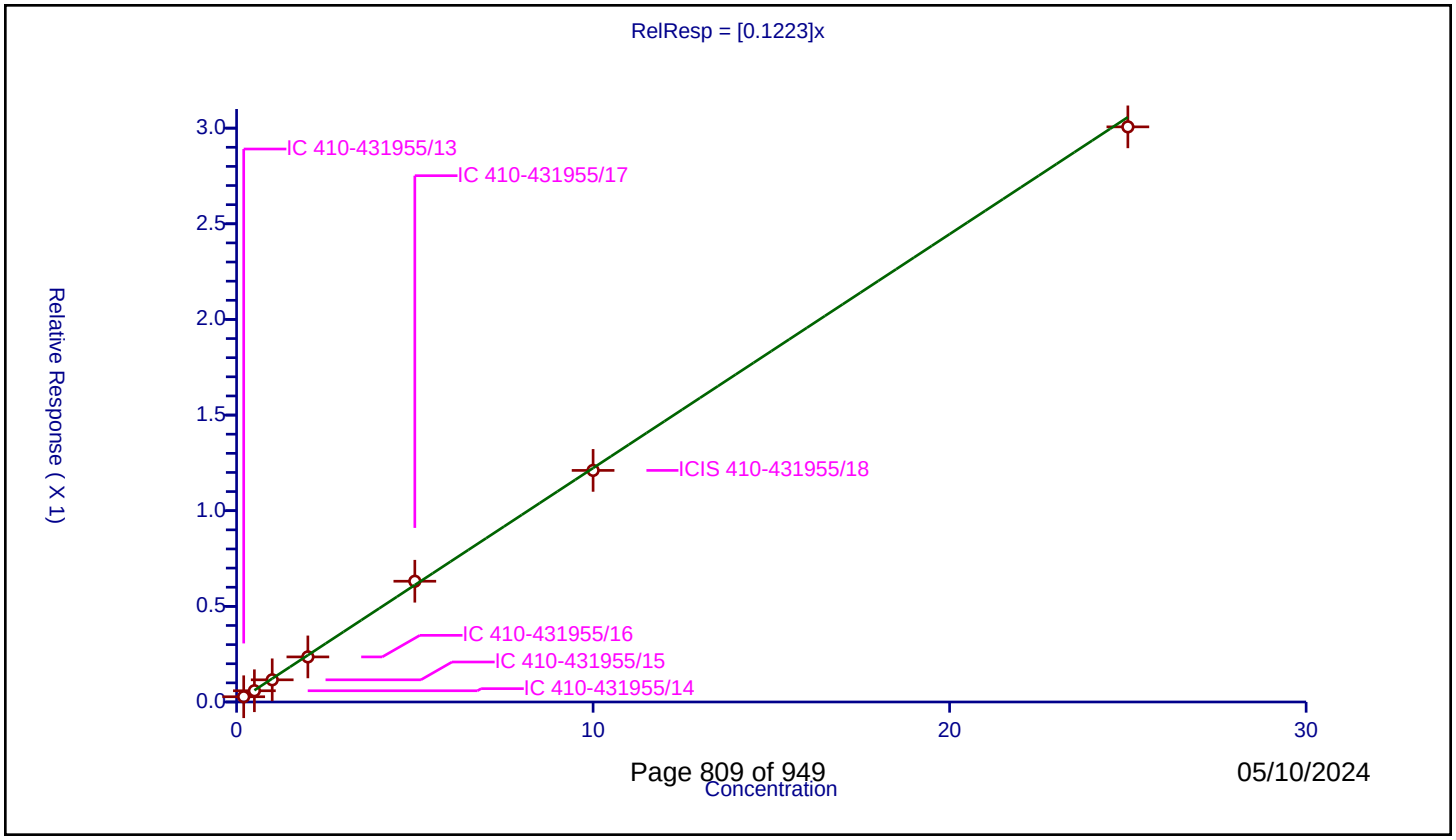
Curve Coefficients

Intercept:	0
Slope:	0.1223

Error Coefficients

Standard Error:	109000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.027422	10.0	720593.0	0.137109	Y
2	IC 410-431955/14	0.5	0.058797	10.0	730485.0	0.117593	Y
3	IC 410-431955/15	1.0	0.115934	10.0	728345.0	0.115934	Y
4	IC 410-431955/16	2.0	0.23568	10.0	755516.0	0.11784	Y
5	IC 410-431955/17	5.0	0.631251	10.0	753615.0	0.12625	Y
6	ICIS 410-431955/18	10.0	1.210751	10.0	773685.0	0.121075	Y
7	IC 410-431955/19	25.0	3.006691	10.0	812275.0	0.120268	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

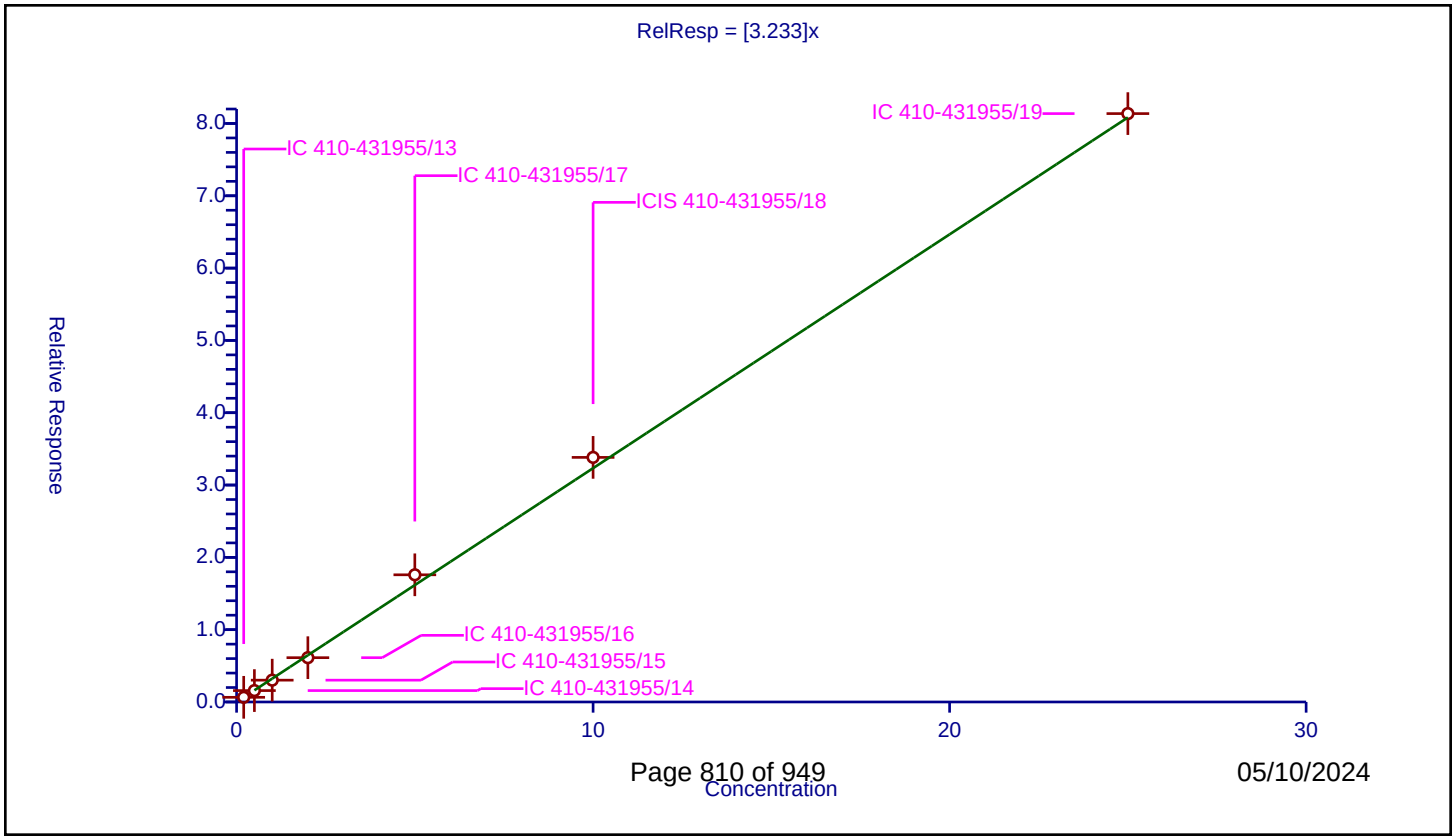
Curve Coefficients

Intercept:	0
Slope:	3.233

Error Coefficients

Standard Error:	2960000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.648063	10.0	720593.0	3.240317	Y
2	IC 410-431955/14	0.5	1.577363	10.0	730485.0	3.154726	Y
3	IC 410-431955/15	1.0	3.018583	10.0	728345.0	3.018583	Y
4	IC 410-431955/16	2.0	6.128553	10.0	755516.0	3.064277	Y
5	IC 410-431955/17	5.0	17.589167	10.0	753615.0	3.517833	Y
6	ICIS 410-431955/18	10.0	33.825446	10.0	773685.0	3.382545	Y
7	IC 410-431955/19	25.0	81.367456	10.0	812275.0	3.254698	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

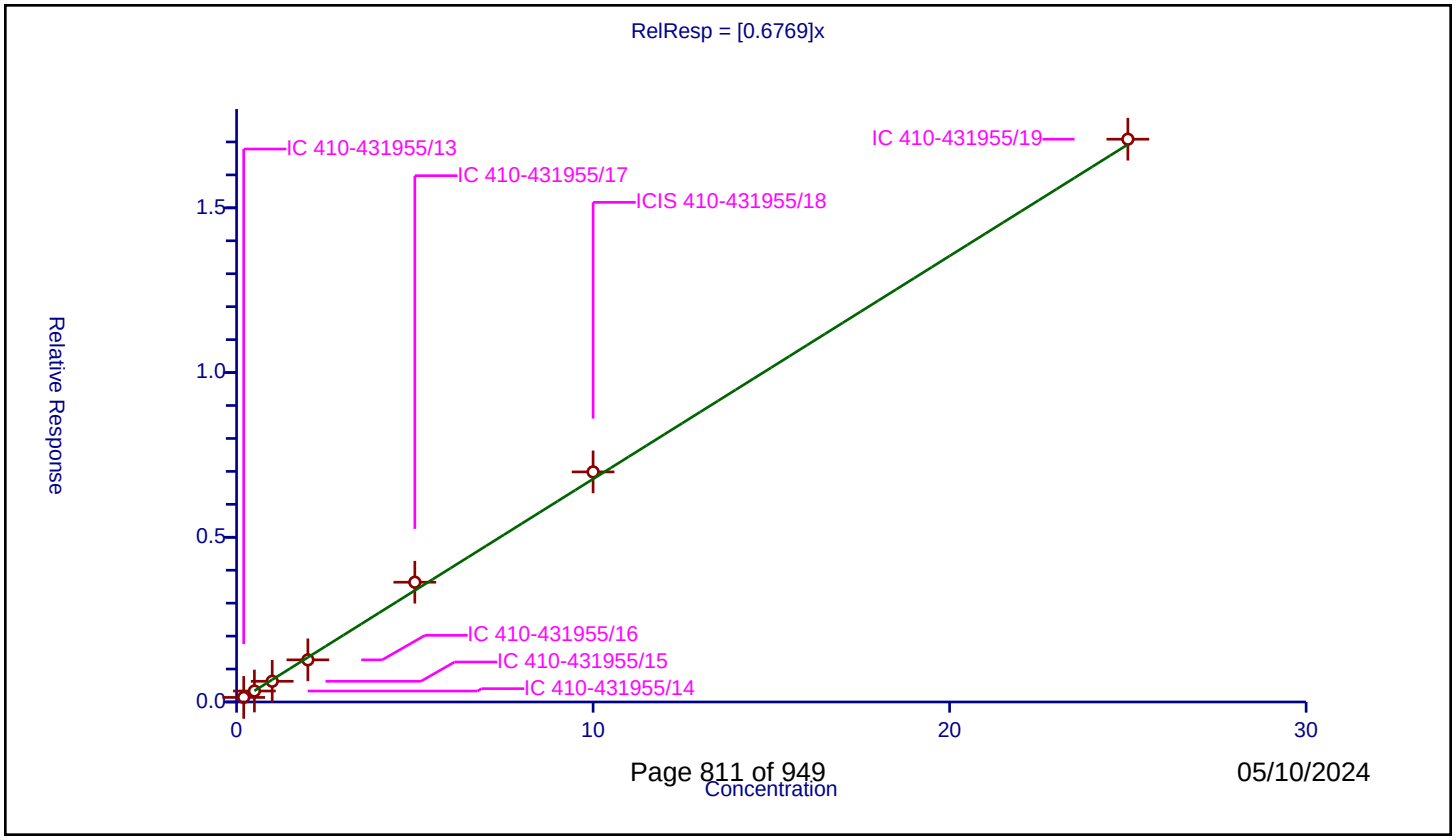
Curve Coefficients

Intercept:	0
Slope:	0.6769

Error Coefficients

Standard Error:	620000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.138983	10.0	720593.0	0.694914	Y
2	IC 410-431955/14	0.5	0.333285	10.0	730485.0	0.666571	Y
3	IC 410-431955/15	1.0	0.628507	10.0	728345.0	0.628507	Y
4	IC 410-431955/16	2.0	1.279258	10.0	755516.0	0.639629	Y
5	IC 410-431955/17	5.0	3.635397	10.0	753615.0	0.727079	Y
6	ICIS 410-431955/18	10.0	6.984626	10.0	773685.0	0.698463	Y
7	IC 410-431955/19	25.0	17.083943	10.0	812275.0	0.683358	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

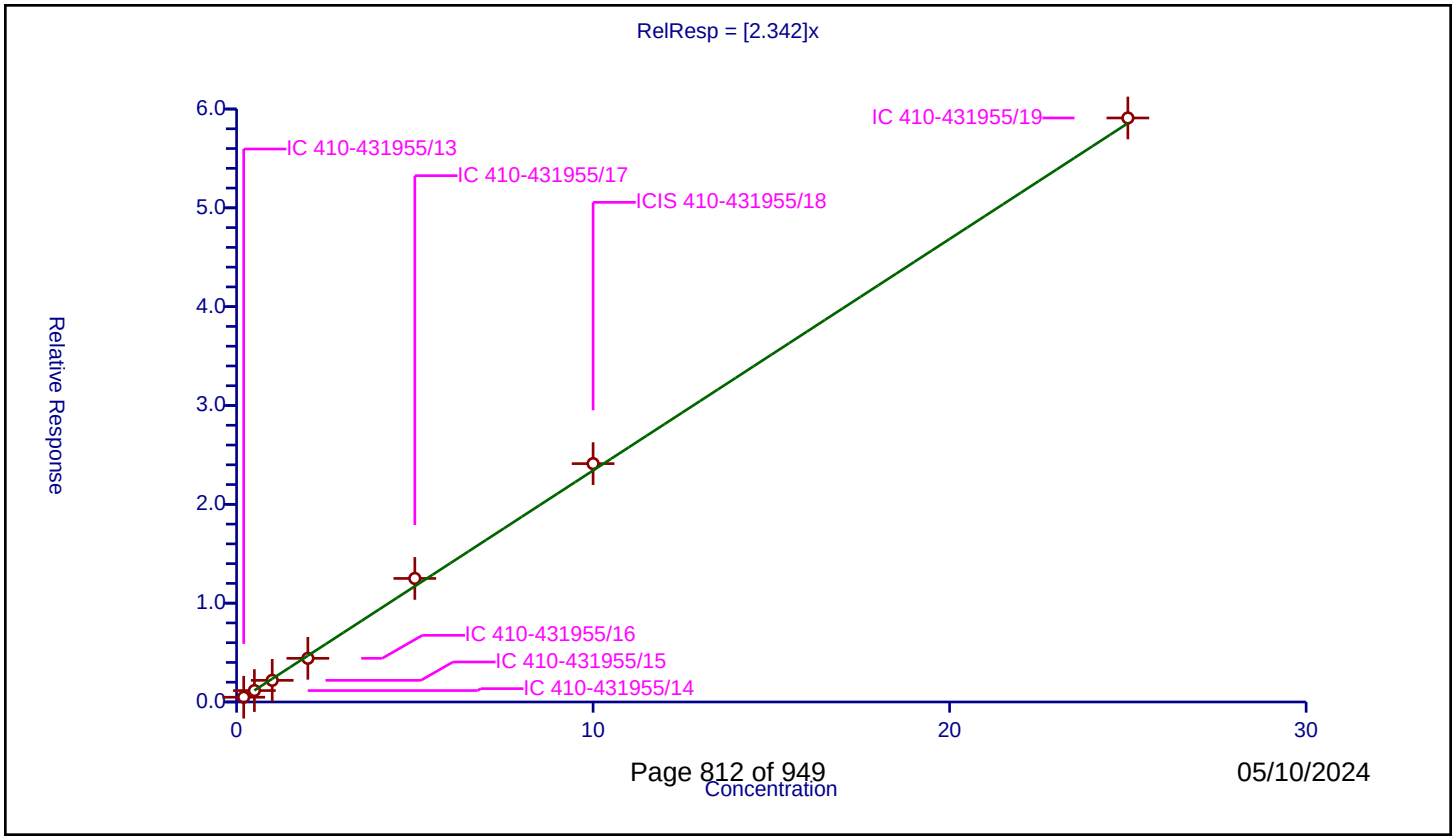
Curve Coefficients

Intercept:	0
Slope:	2.342

Error Coefficients

Standard Error:	2140000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.482422	10.0	720593.0	2.412111	Y
2	IC 410-431955/14	0.5	1.154877	10.0	730485.0	2.309753	Y
3	IC 410-431955/15	1.0	2.189883	10.0	728345.0	2.189883	Y
4	IC 410-431955/16	2.0	4.419602	10.0	755516.0	2.209801	Y
5	IC 410-431955/17	5.0	12.501065	10.0	753615.0	2.500213	Y
6	ICIS 410-431955/18	10.0	24.118924	10.0	773685.0	2.411892	Y
7	IC 410-431955/19	25.0	59.092315	10.0	812275.0	2.363693	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

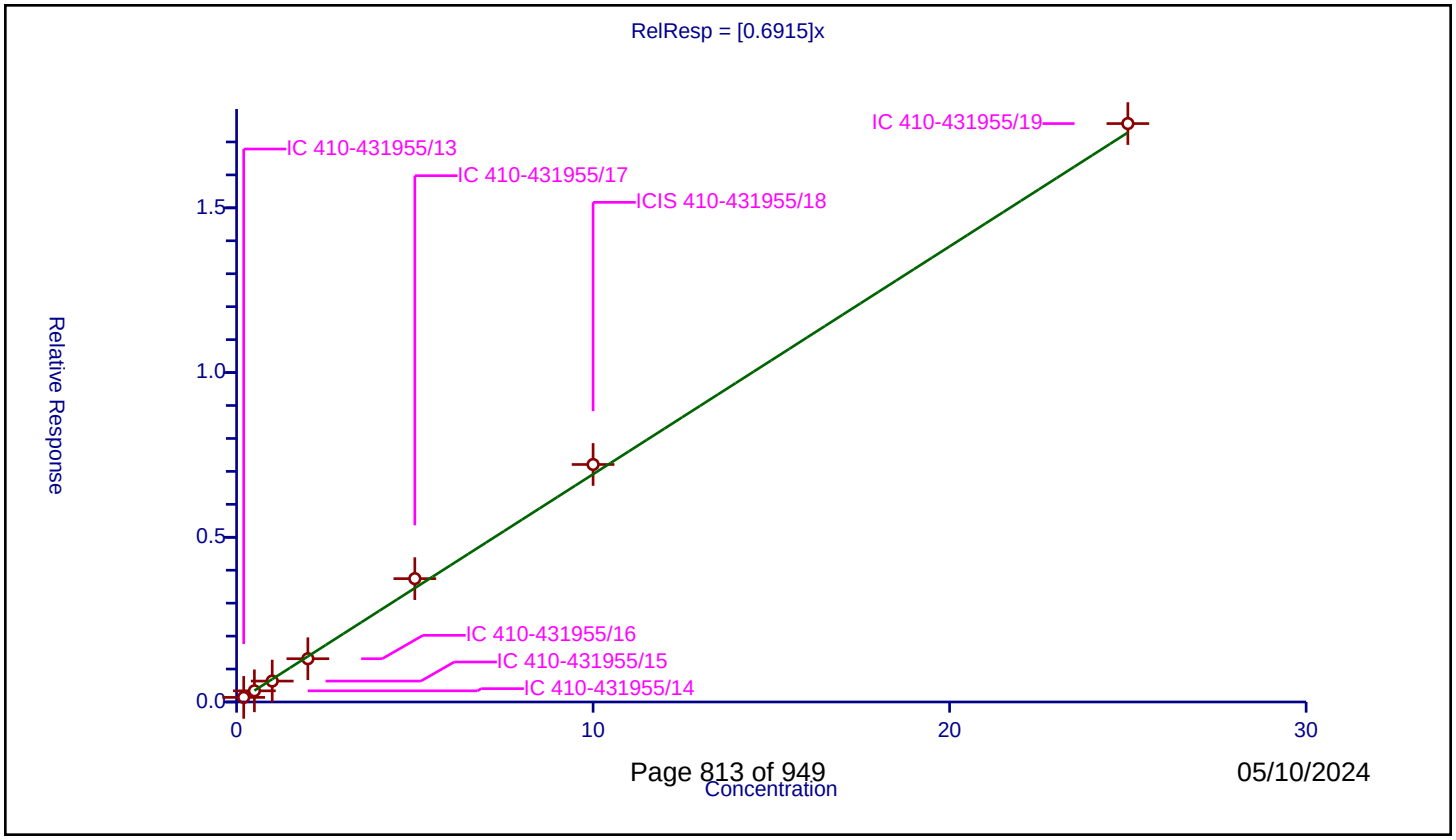
Curve Coefficients

Intercept:	0
Slope:	0.6915

Error Coefficients

Standard Error:	637000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.139677	10.0	720593.0	0.698383	Y
2	IC 410-431955/14	0.5	0.339158	10.0	730485.0	0.678316	Y
3	IC 410-431955/15	1.0	0.634713	10.0	728345.0	0.634713	Y
4	IC 410-431955/16	2.0	1.313288	10.0	755516.0	0.656644	Y
5	IC 410-431955/17	5.0	3.744087	10.0	753615.0	0.748817	Y
6	ICIS 410-431955/18	10.0	7.209588	10.0	773685.0	0.720959	Y
7	IC 410-431955/19	25.0	17.558265	10.0	812275.0	0.702331	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

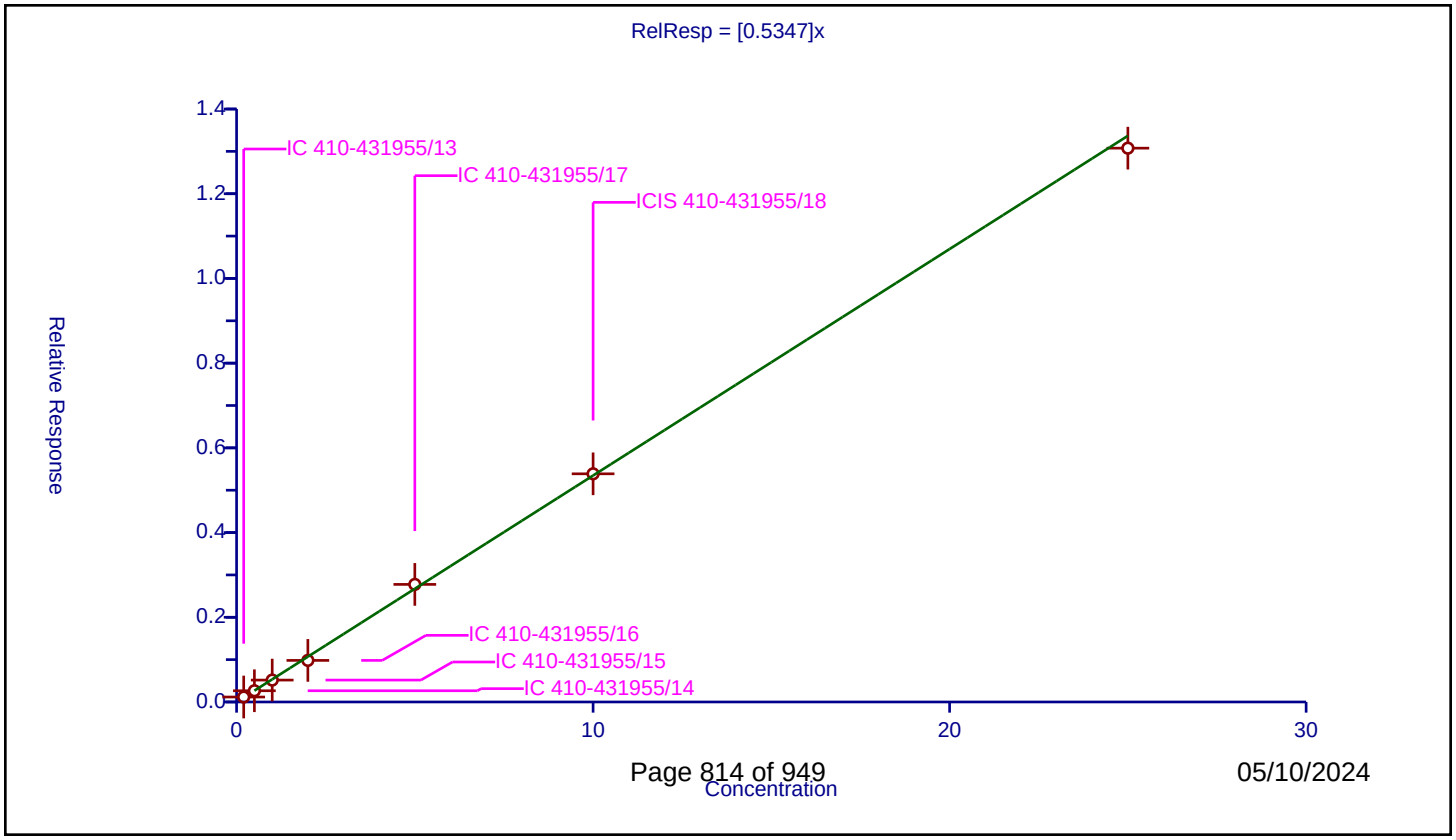
Curve Coefficients

Intercept:	0
Slope:	0.5347

Error Coefficients

Standard Error:	475000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.117417	10.0	720593.0	0.587086	Y
2	IC 410-431955/14	0.5	0.265235	10.0	730485.0	0.530469	Y
3	IC 410-431955/15	1.0	0.5172	10.0	728345.0	0.5172	Y
4	IC 410-431955/16	2.0	0.982004	10.0	755516.0	0.491002	Y
5	IC 410-431955/17	5.0	2.776404	10.0	753615.0	0.555281	Y
6	ICIS 410-431955/18	10.0	5.387231	10.0	773685.0	0.538723	Y
7	IC 410-431955/19	25.0	13.075744	10.0	812275.0	0.52303	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

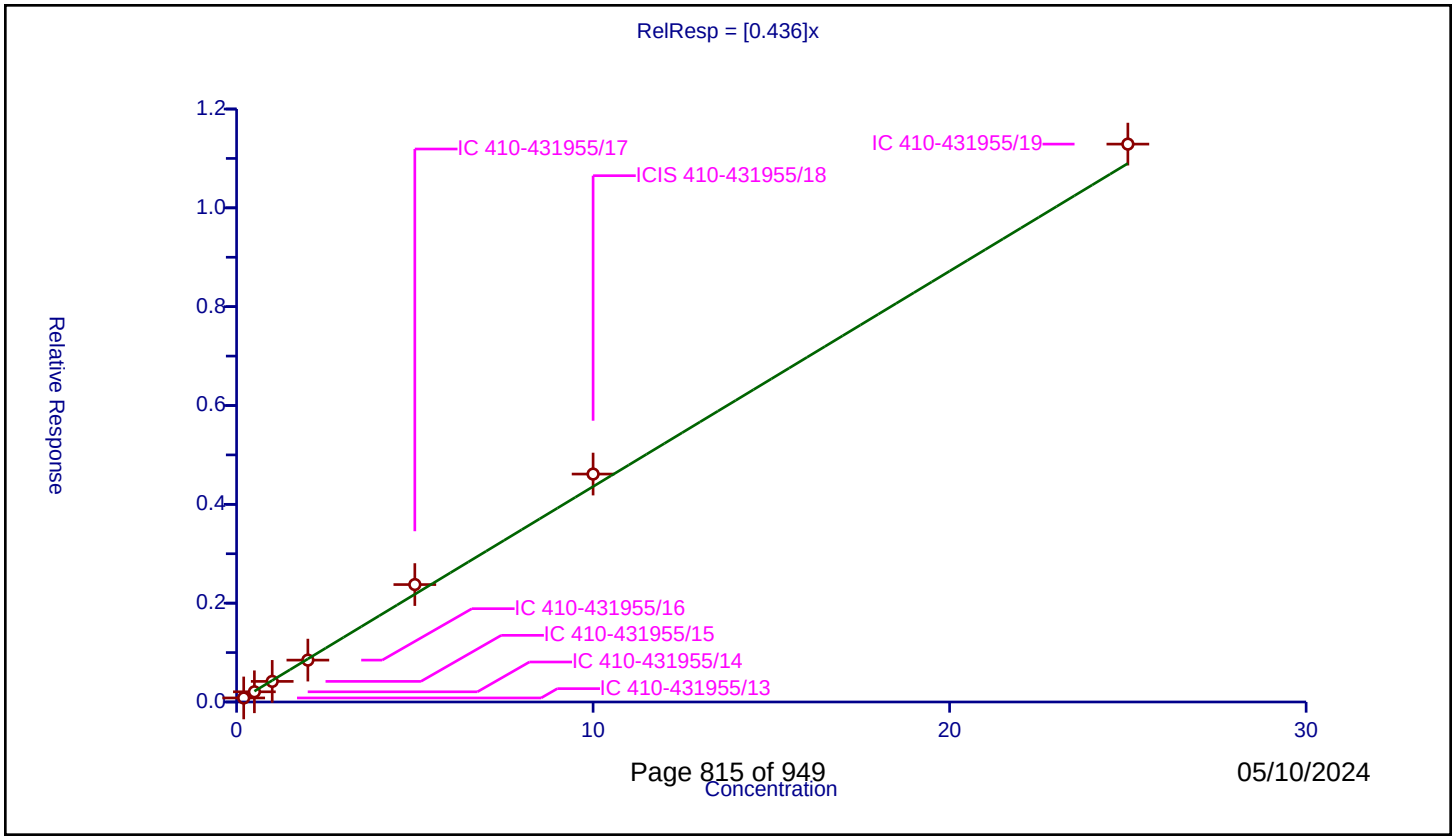
Curve Coefficients

Intercept:	0
Slope:	0.436

Error Coefficients

Standard Error:	409000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.081946	10.0	720593.0	0.409732	Y
2	IC 410-431955/14	0.5	0.20663	10.0	730485.0	0.41326	Y
3	IC 410-431955/15	1.0	0.416904	10.0	728345.0	0.416904	Y
4	IC 410-431955/16	2.0	0.847461	10.0	755516.0	0.42373	Y
5	IC 410-431955/17	5.0	2.376134	10.0	753615.0	0.475227	Y
6	ICIS 410-431955/18	10.0	4.612859	10.0	773685.0	0.461286	Y
7	IC 410-431955/19	25.0	11.289896	10.0	812275.0	0.451596	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

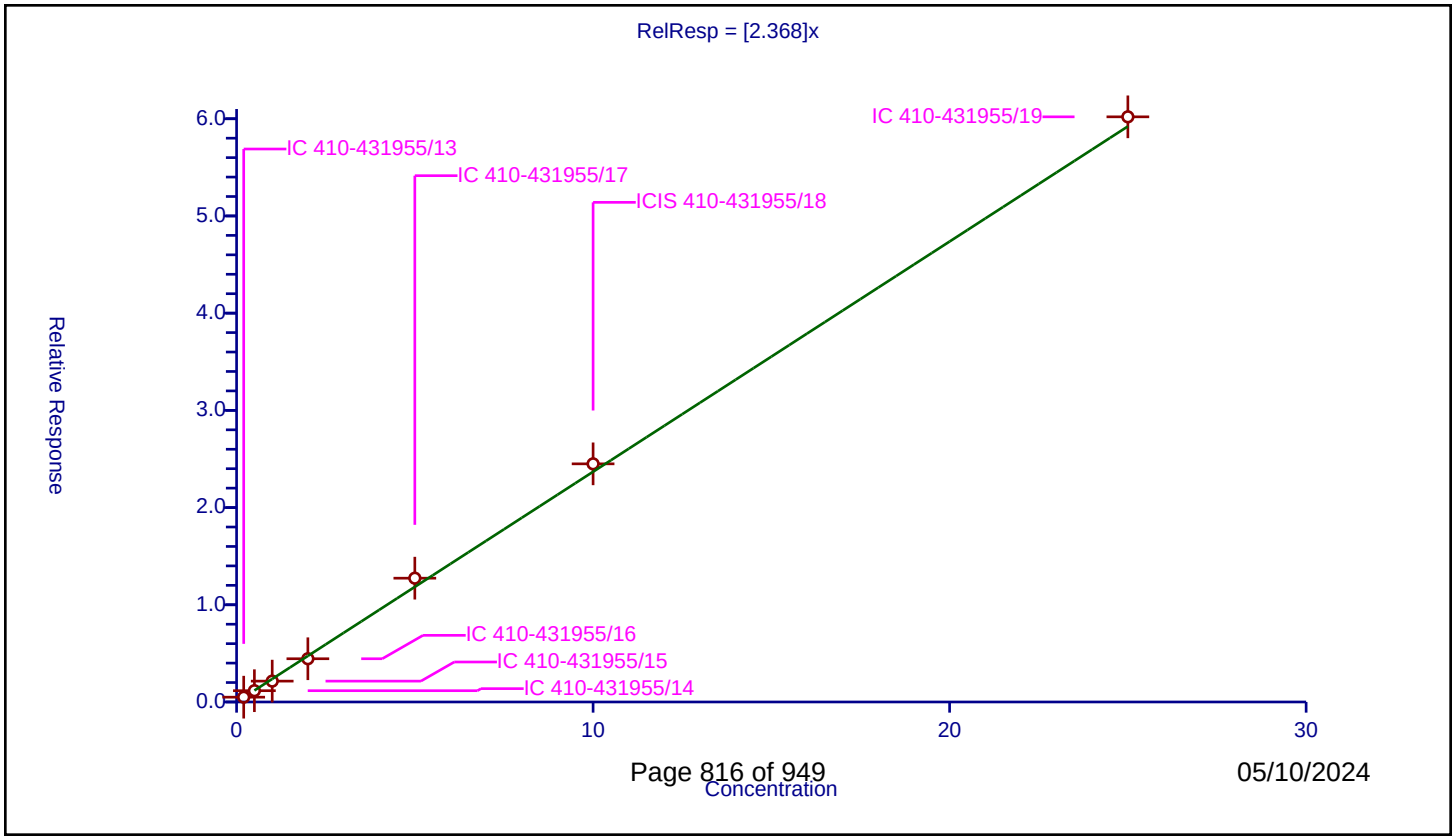
Curve Coefficients

Intercept:	0
Slope:	2.368

Error Coefficients

Standard Error:	2180000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.495592	10.0	720593.0	2.477959	Y
2	IC 410-431955/14	0.5	1.162022	10.0	730485.0	2.324045	Y
3	IC 410-431955/15	1.0	2.147746	10.0	728345.0	2.147746	Y
4	IC 410-431955/16	2.0	4.44937	10.0	755516.0	2.224685	Y
5	IC 410-431955/17	5.0	12.736822	10.0	753615.0	2.547364	Y
6	ICIS 410-431955/18	10.0	24.497851	10.0	773685.0	2.449785	Y
7	IC 410-431955/19	25.0	60.196091	10.0	812275.0	2.407844	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

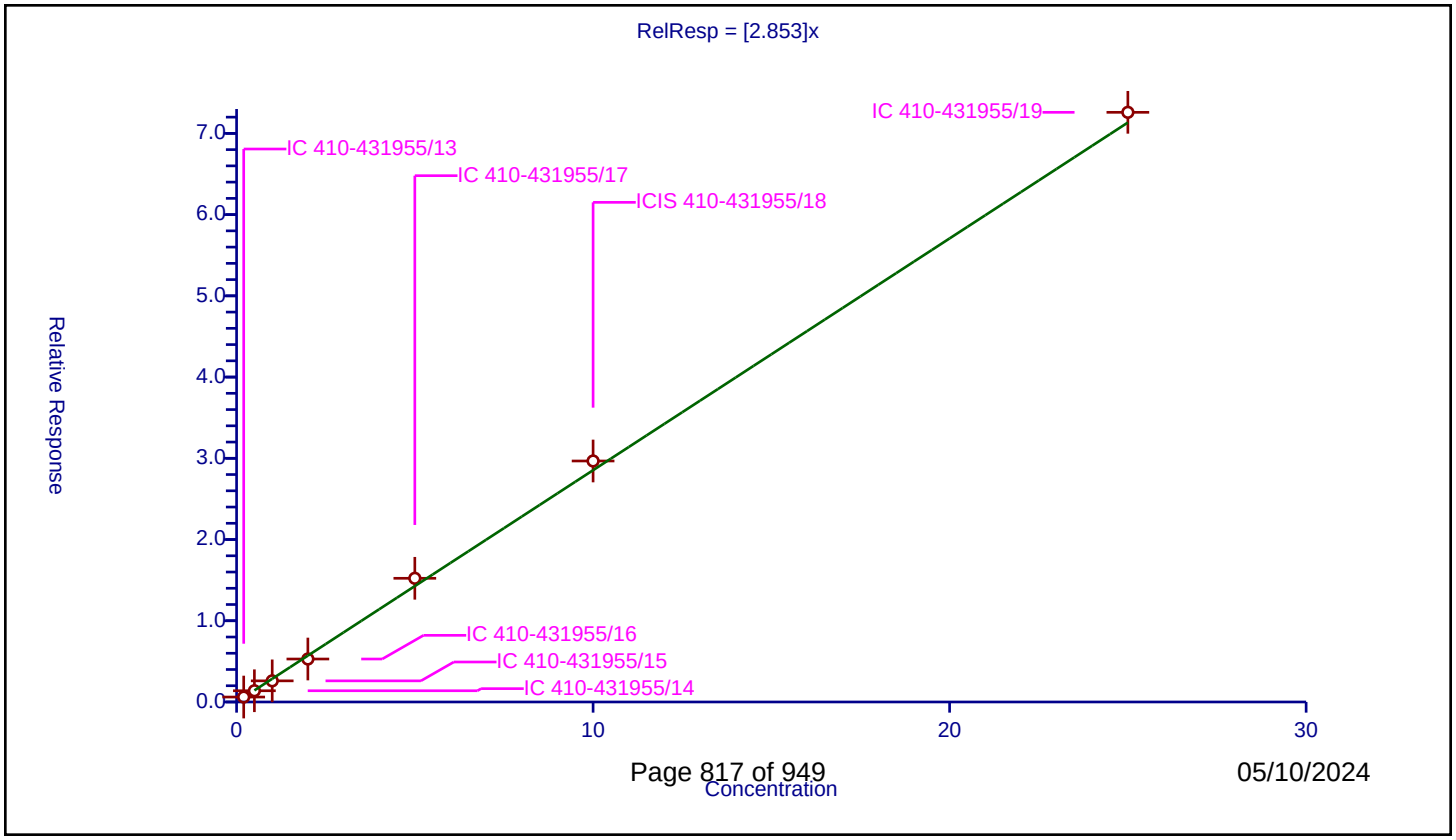
Curve Coefficients

Intercept:	0
Slope:	2.853

Error Coefficients

Standard Error:	2630000
Relative Standard Error:	6.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.608291	10.0	720593.0	3.041453	Y
2	IC 410-431955/14	0.5	1.384874	10.0	730485.0	2.769749	Y
3	IC 410-431955/15	1.0	2.600883	10.0	728345.0	2.600883	Y
4	IC 410-431955/16	2.0	5.291523	10.0	755516.0	2.645761	Y
5	IC 410-431955/17	5.0	15.226993	10.0	753615.0	3.045399	Y
6	ICIS 410-431955/18	10.0	29.668366	10.0	773685.0	2.966837	Y
7	IC 410-431955/19	25.0	72.593038	10.0	812275.0	2.903722	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

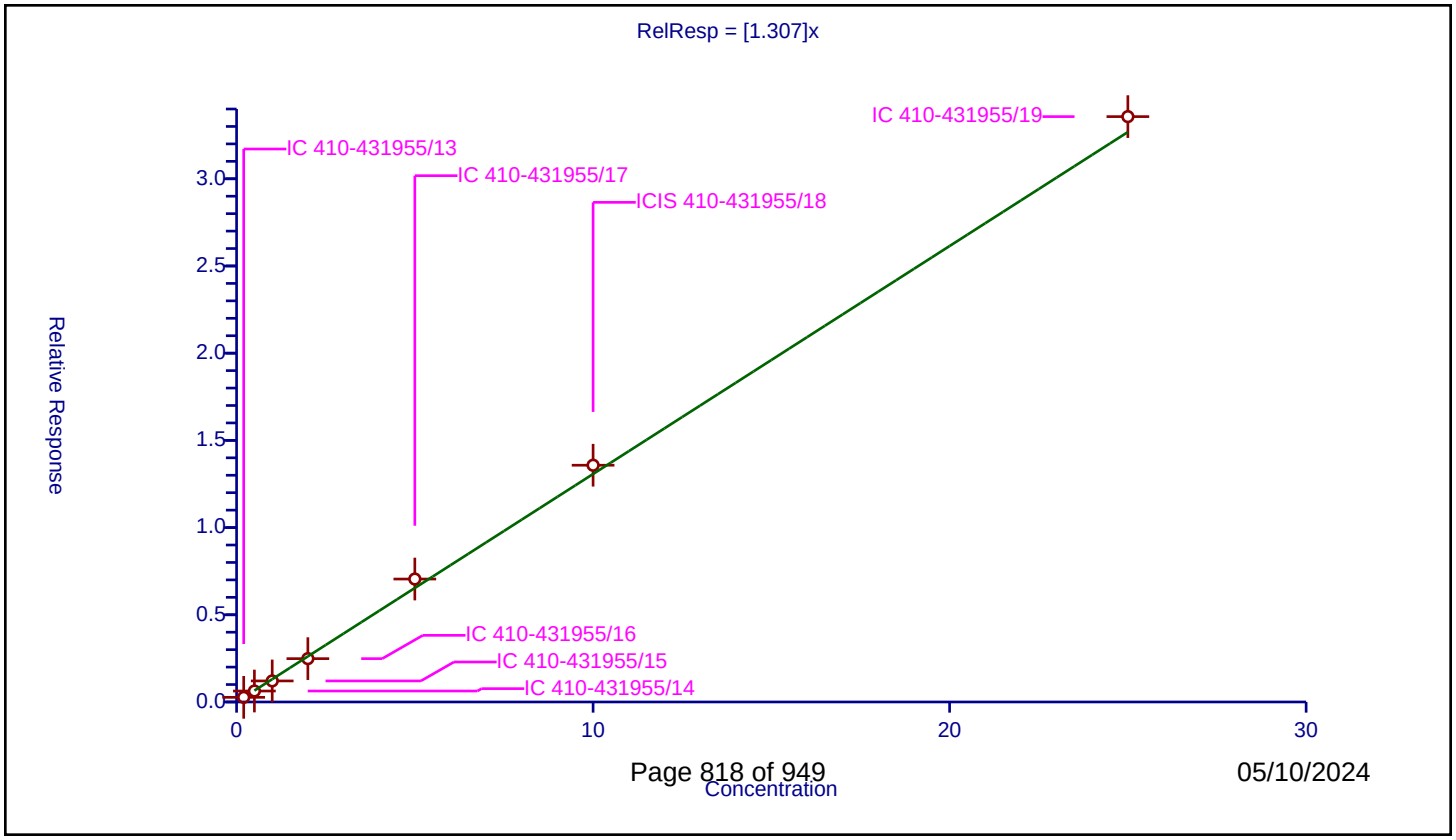
Curve Coefficients

Intercept:	0
Slope:	1.307

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.266142	10.0	720593.0	1.33071	Y
2	IC 410-431955/14	0.5	0.629719	10.0	730485.0	1.259437	Y
3	IC 410-431955/15	1.0	1.207093	10.0	728345.0	1.207093	Y
4	IC 410-431955/16	2.0	2.486063	10.0	755516.0	1.243031	Y
5	IC 410-431955/17	5.0	7.049621	10.0	753615.0	1.409924	Y
6	ICIS 410-431955/18	10.0	13.575292	10.0	773685.0	1.357529	Y
7	IC 410-431955/19	25.0	33.564396	10.0	812275.0	1.342576	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

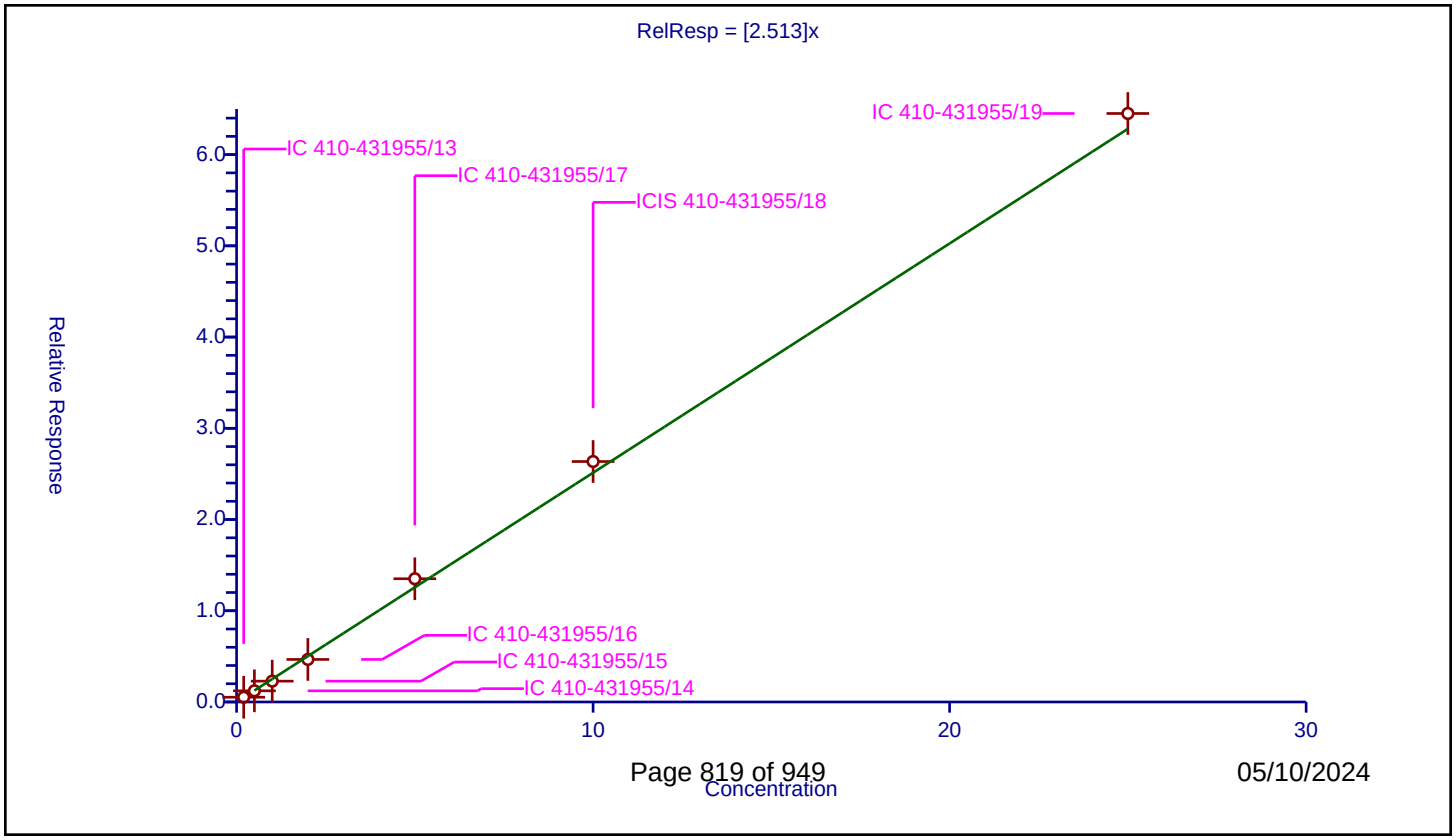
Curve Coefficients

Intercept:	0
Slope:	2.513

Error Coefficients

Standard Error:	2340000
Relative Standard Error:	6.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.522223	10.0	720593.0	2.611113	Y
2	IC 410-431955/14	0.5	1.222092	10.0	730485.0	2.444184	Y
3	IC 410-431955/15	1.0	2.284879	10.0	728345.0	2.284879	Y
4	IC 410-431955/16	2.0	4.664878	10.0	755516.0	2.332439	Y
5	IC 410-431955/17	5.0	13.510387	10.0	753615.0	2.702077	Y
6	ICIS 410-431955/18	10.0	26.358596	10.0	773685.0	2.63586	Y
7	IC 410-431955/19	25.0	64.509569	10.0	812275.0	2.580383	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

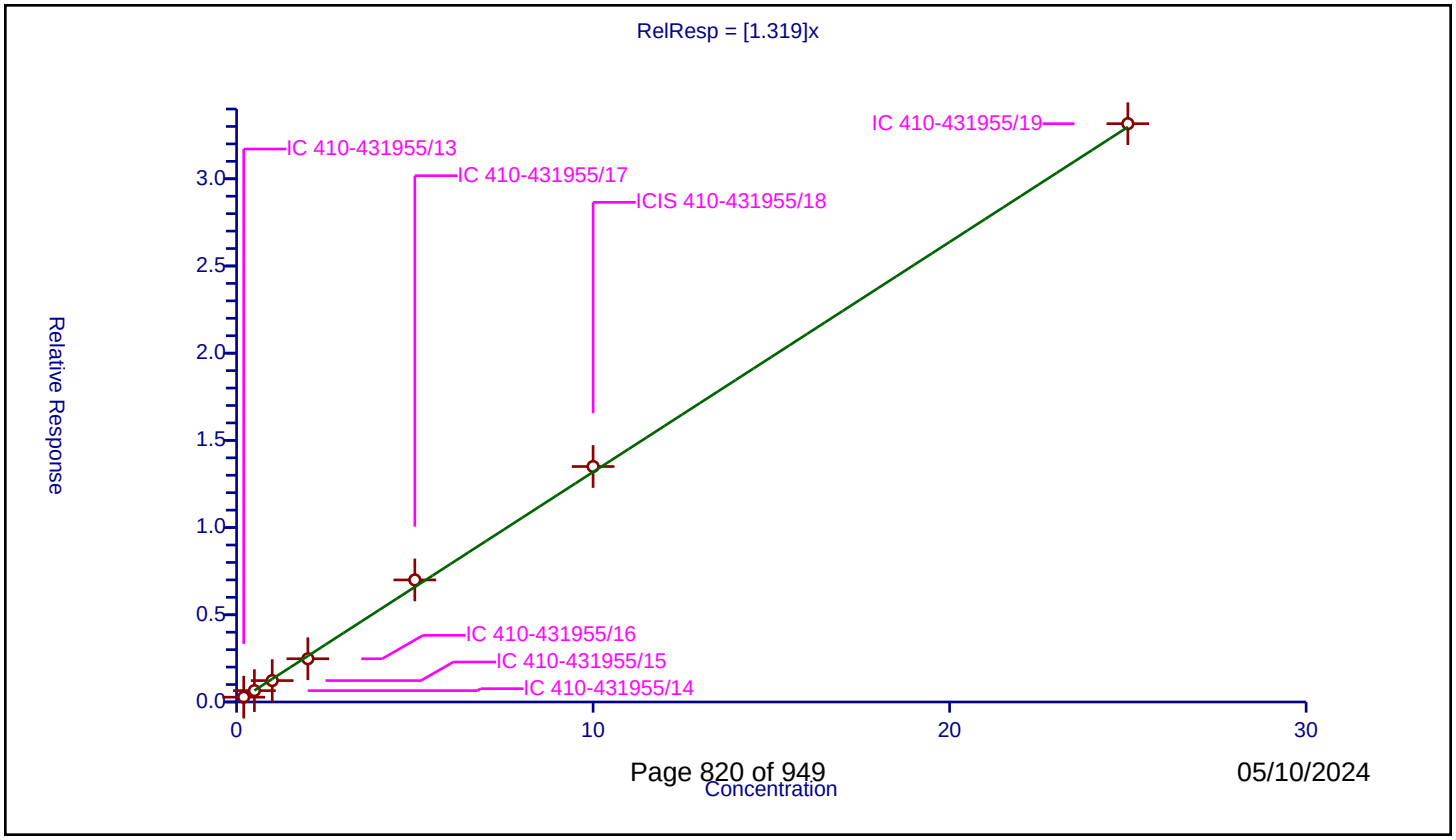
Curve Coefficients

Intercept:	0
Slope:	1.319

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.276647	10.0	720593.0	1.383236	Y
2	IC 410-431955/14	0.5	0.652293	10.0	730485.0	1.304585	Y
3	IC 410-431955/15	1.0	1.227564	10.0	728345.0	1.227564	Y
4	IC 410-431955/16	2.0	2.479617	10.0	755516.0	1.239808	Y
5	IC 410-431955/17	5.0	6.998454	10.0	753615.0	1.399691	Y
6	ICIS 410-431955/18	10.0	13.502136	10.0	773685.0	1.350214	Y
7	IC 410-431955/19	25.0	33.158462	10.0	812275.0	1.326338	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

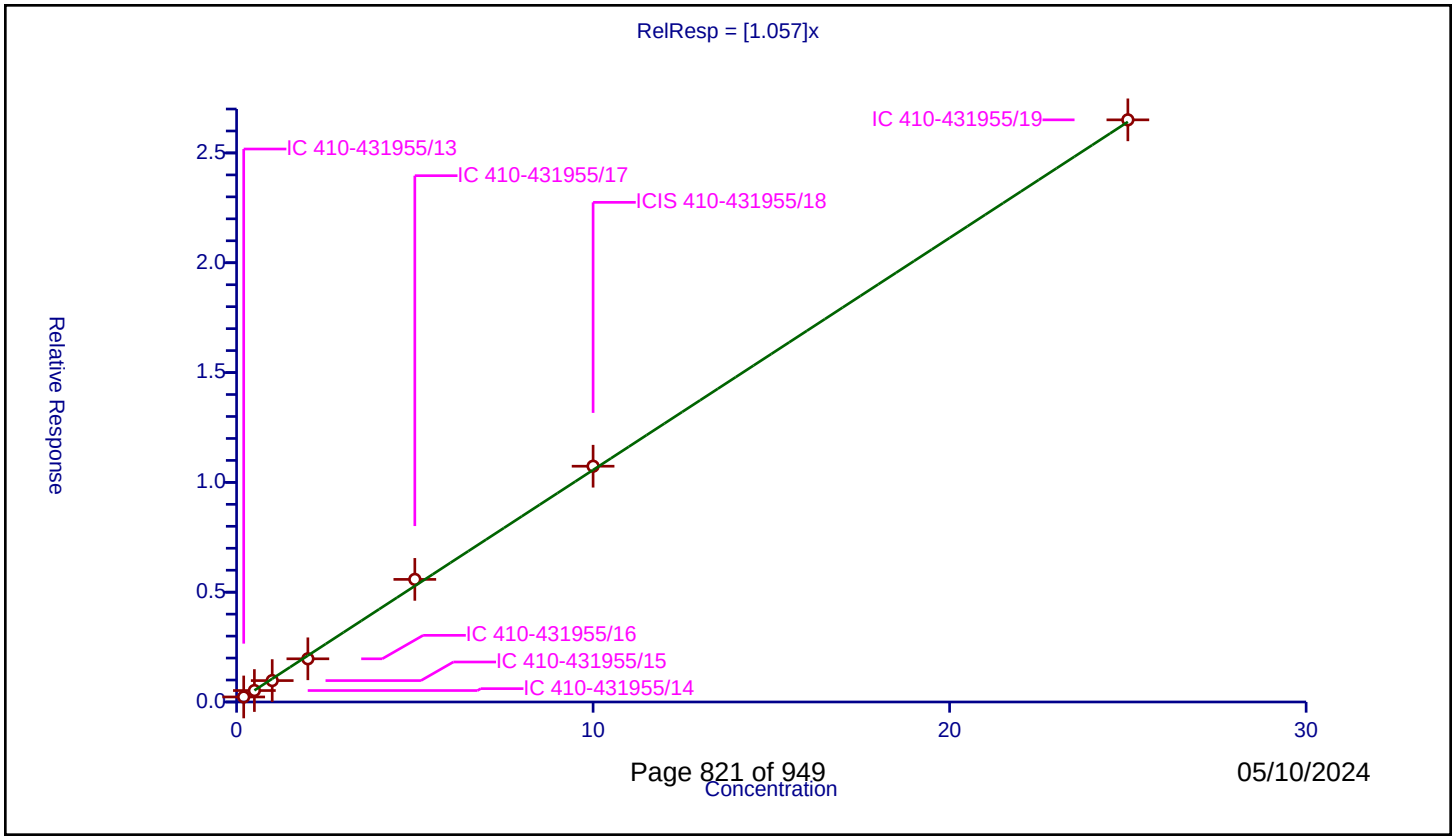
Curve Coefficients

Intercept:	0
Slope:	1.057

Error Coefficients

Standard Error:	960000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.229242	10.0	720593.0	1.146209	Y
2	IC 410-431955/14	0.5	0.520914	10.0	730485.0	1.041828	Y
3	IC 410-431955/15	1.0	0.974332	10.0	728345.0	0.974332	Y
4	IC 410-431955/16	2.0	1.966603	10.0	755516.0	0.983301	Y
5	IC 410-431955/17	5.0	5.582837	10.0	753615.0	1.116567	Y
6	ICIS 410-431955/18	10.0	10.735984	10.0	773685.0	1.073598	Y
7	IC 410-431955/19	25.0	26.507144	10.0	812275.0	1.060286	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

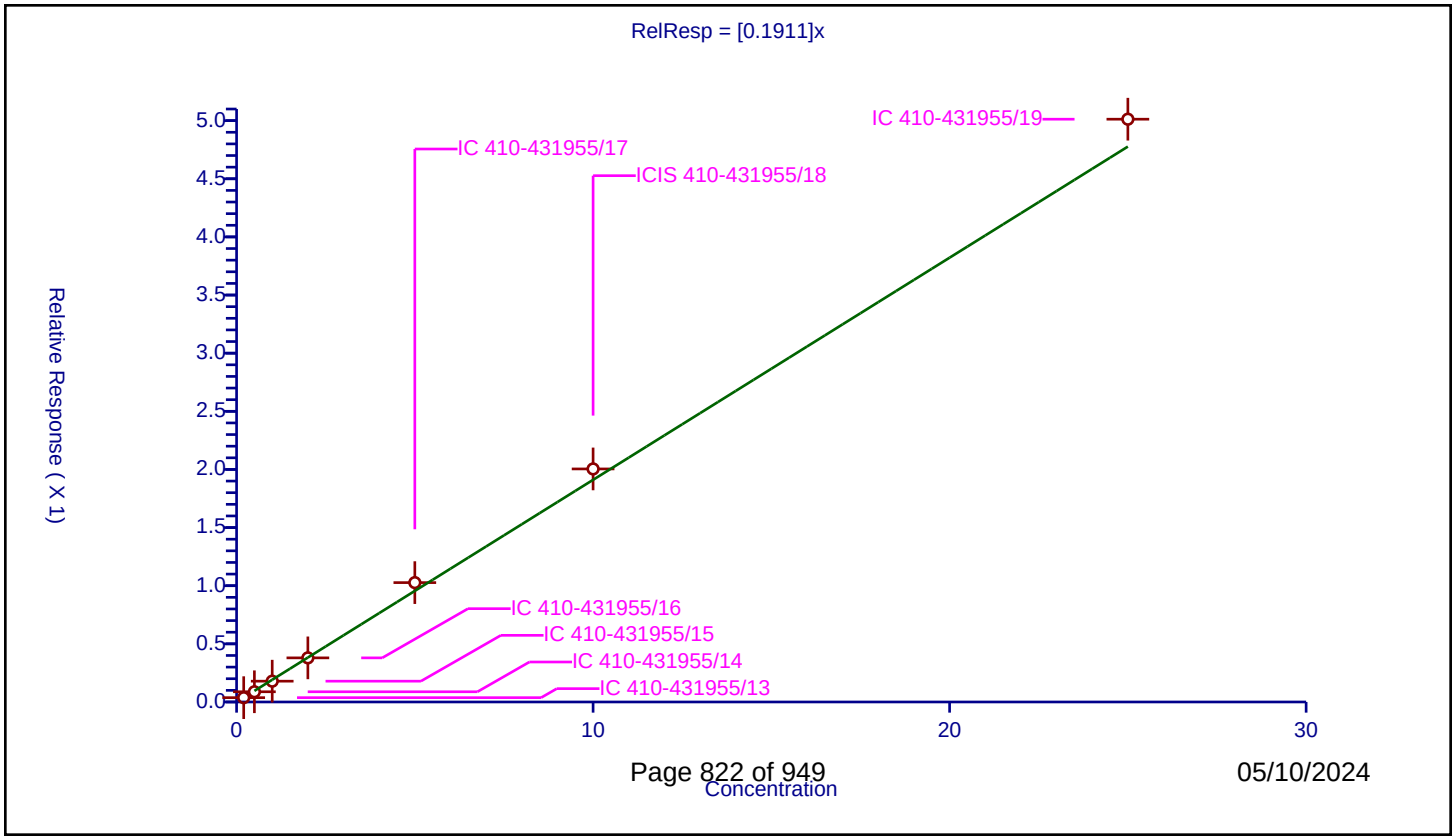
Curve Coefficients

Intercept:	0
Slope:	0.1911

Error Coefficients

Standard Error:	181000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.037372	10.0	720593.0	0.18686	Y
2	IC 410-431955/14	0.5	0.087859	10.0	730485.0	0.175719	Y
3	IC 410-431955/15	1.0	0.178912	10.0	728345.0	0.178912	Y
4	IC 410-431955/16	2.0	0.379463	10.0	755516.0	0.189731	Y
5	IC 410-431955/17	5.0	1.026625	10.0	753615.0	0.205325	Y
6	ICIS 410-431955/18	10.0	2.004446	10.0	773685.0	0.200445	Y
7	IC 410-431955/19	25.0	5.01249	10.0	812275.0	0.2005	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

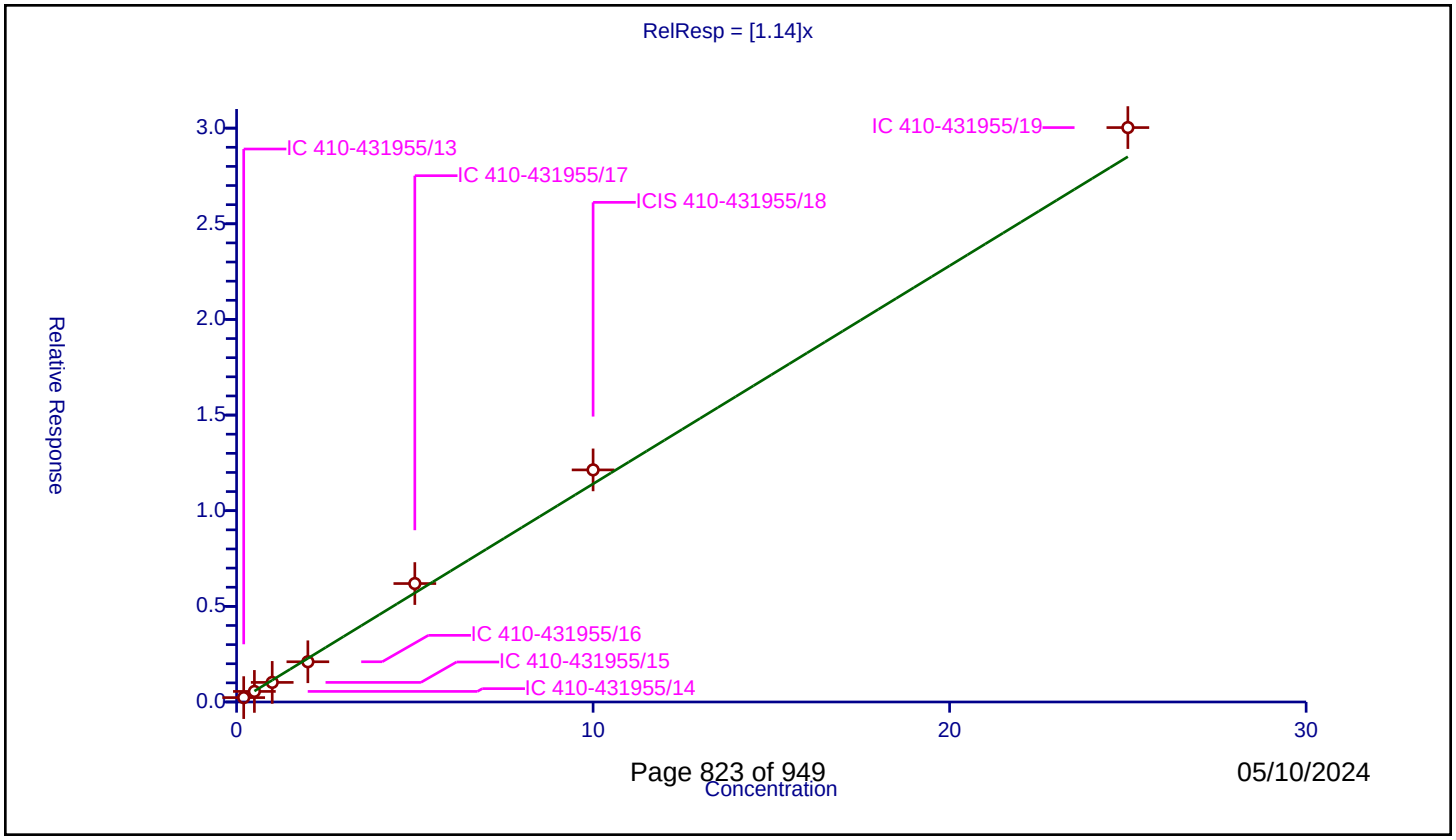
Curve Coefficients

Intercept:	0
Slope:	1.14

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.229991	10.0	720593.0	1.149956	Y
2	IC 410-431955/14	0.5	0.552126	10.0	730485.0	1.104253	Y
3	IC 410-431955/15	1.0	1.023746	10.0	728345.0	1.023746	Y
4	IC 410-431955/16	2.0	2.102695	10.0	755516.0	1.051348	Y
5	IC 410-431955/17	5.0	6.191411	10.0	753615.0	1.238282	Y
6	ICIS 410-431955/18	10.0	12.133995	10.0	773685.0	1.2134	Y
7	IC 410-431955/19	25.0	30.029091	10.0	812275.0	1.201164	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

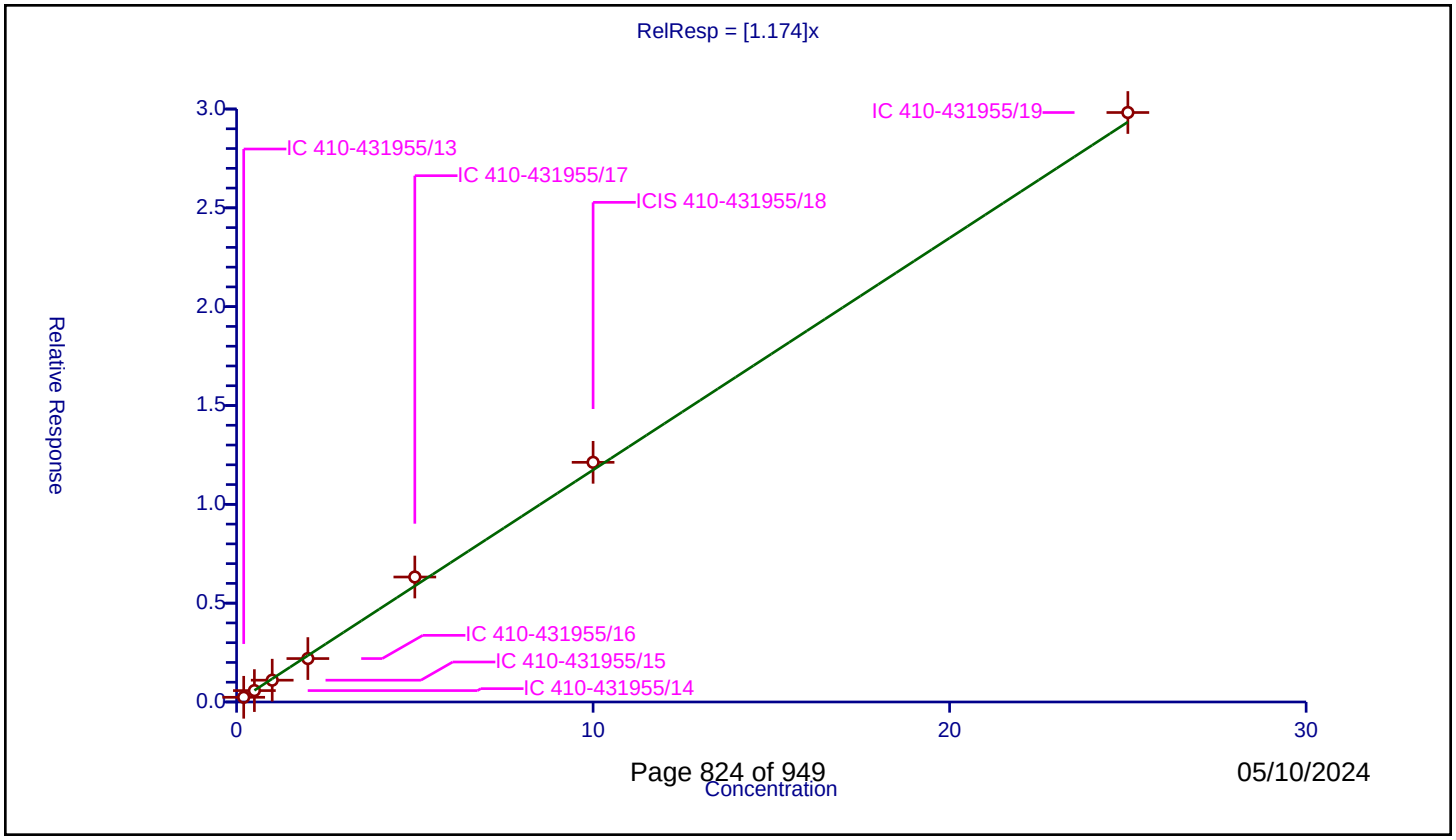
Curve Coefficients

Intercept:	0
Slope:	1.174

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.238595	10.0	720593.0	1.192976	Y
2	IC 410-431955/14	0.5	0.576398	10.0	730485.0	1.152796	Y
3	IC 410-431955/15	1.0	1.102266	10.0	728345.0	1.102266	Y
4	IC 410-431955/16	2.0	2.197055	10.0	755516.0	1.098527	Y
5	IC 410-431955/17	5.0	6.32295	10.0	753615.0	1.26459	Y
6	ICIS 410-431955/18	10.0	12.125128	10.0	773685.0	1.212513	Y
7	IC 410-431955/19	25.0	29.823188	10.0	812275.0	1.192928	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

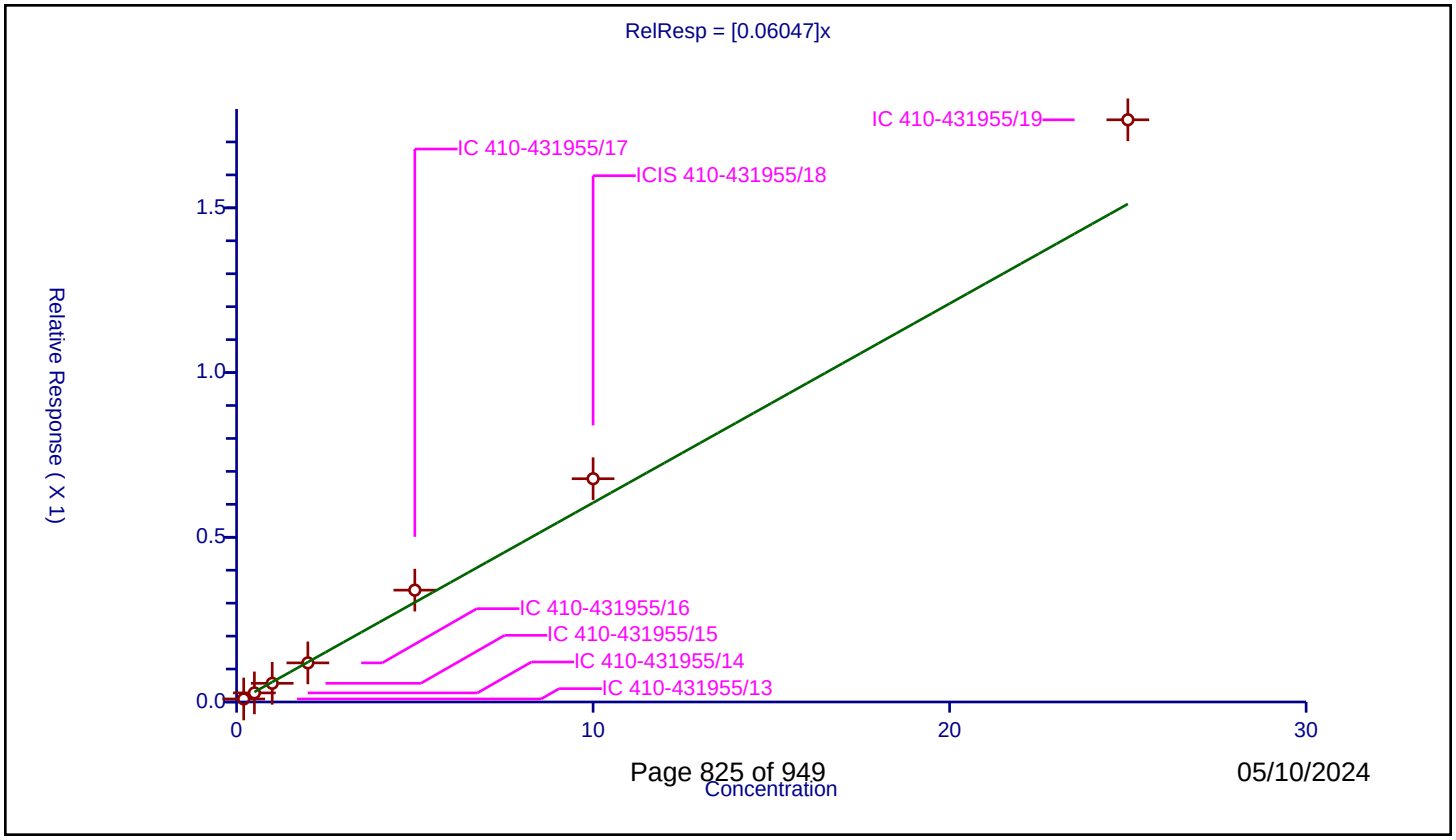
Curve Coefficients

Intercept:	0
Slope:	0.06047

Error Coefficients

Standard Error:	63400
Relative Standard Error:	14.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.009159	10.0	720593.0	0.045796	Y
2	IC 410-431955/14	0.5	0.027543	10.0	730485.0	0.055087	Y
3	IC 410-431955/15	1.0	0.056704	10.0	728345.0	0.056704	Y
4	IC 410-431955/16	2.0	0.1187	10.0	755516.0	0.05935	Y
5	IC 410-431955/17	5.0	0.339537	10.0	753615.0	0.067907	Y
6	ICIS 410-431955/18	10.0	0.677744	10.0	773685.0	0.067774	Y
7	IC 410-431955/19	25.0	1.767332	10.0	812275.0	0.070693	Y



Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

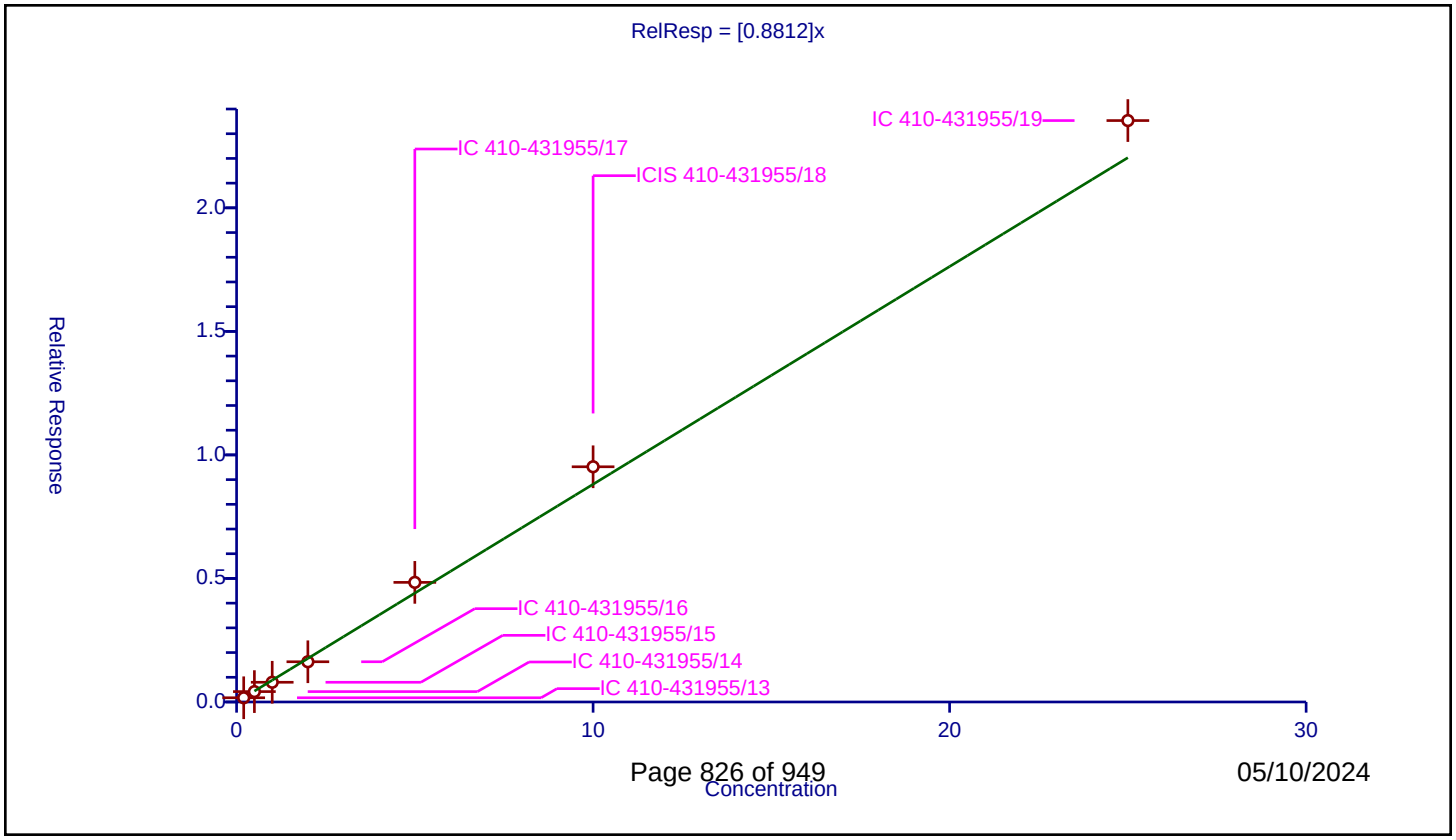
Curve Coefficients

Intercept:	0
Slope:	0.8812

Error Coefficients

Standard Error:	851000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.170901	10.0	720593.0	0.854505	Y
2	IC 410-431955/14	0.5	0.420118	10.0	730485.0	0.840236	Y
3	IC 410-431955/15	1.0	0.798372	10.0	728345.0	0.798372	Y
4	IC 410-431955/16	2.0	1.627934	10.0	755516.0	0.813967	Y
5	IC 410-431955/17	5.0	4.840947	10.0	753615.0	0.968189	Y
6	ICIS 410-431955/18	10.0	9.520192	10.0	773685.0	0.952019	Y
7	IC 410-431955/19	25.0	23.532547	10.0	812275.0	0.941302	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

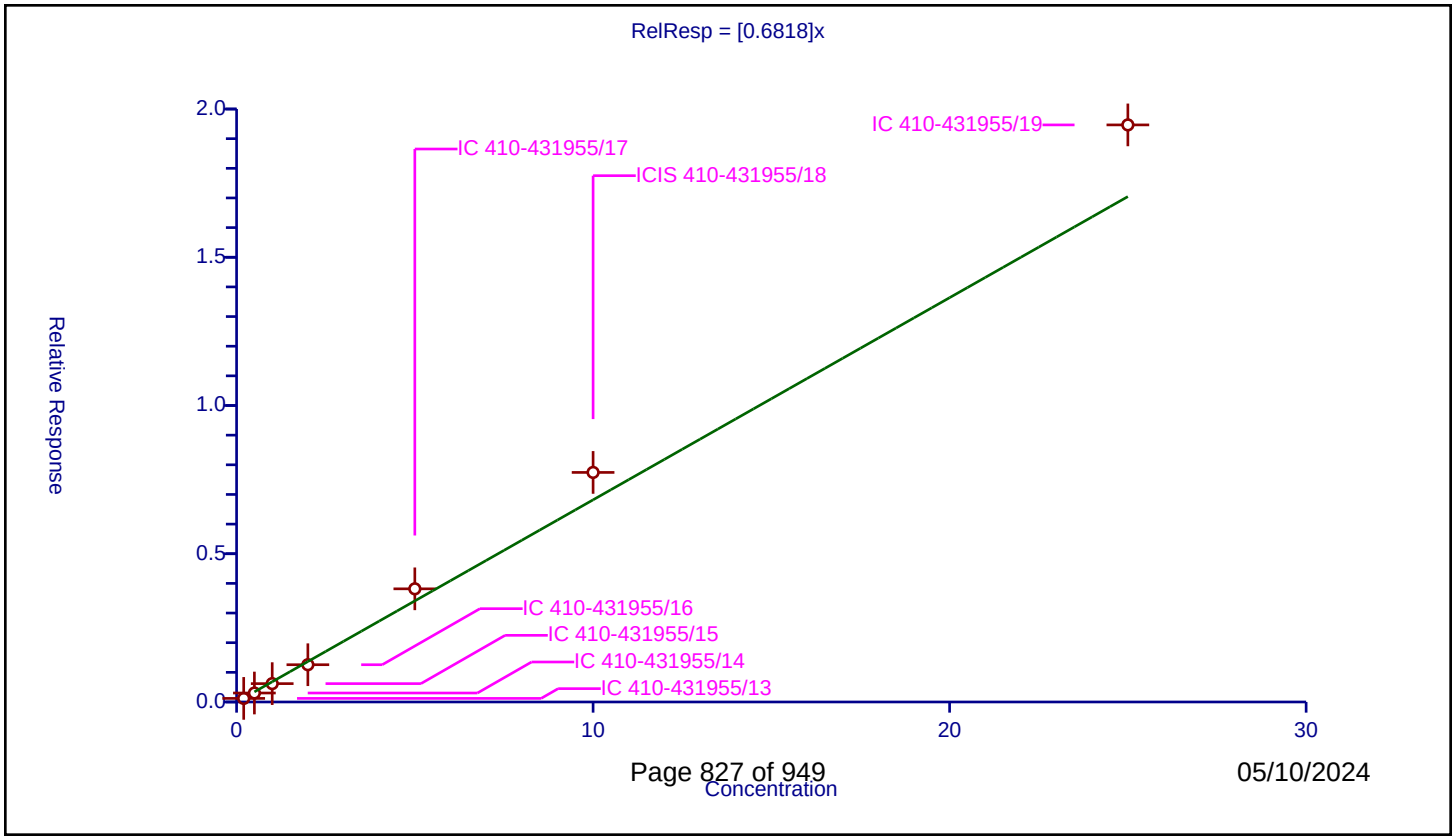
Curve Coefficients

Intercept:	0
Slope:	0.6818

Error Coefficients

Standard Error:	702000
Relative Standard Error:	12.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.12072	10.0	720593.0	0.6036	Y
2	IC 410-431955/14	0.5	0.302607	10.0	730485.0	0.605214	Y
3	IC 410-431955/15	1.0	0.619596	10.0	728345.0	0.619596	Y
4	IC 410-431955/16	2.0	1.256638	10.0	755516.0	0.628319	Y
5	IC 410-431955/17	5.0	3.816352	10.0	753615.0	0.76327	Y
6	ICIS 410-431955/18	10.0	7.74288	10.0	773685.0	0.774288	Y
7	IC 410-431955/19	25.0	19.464049	10.0	812275.0	0.778562	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

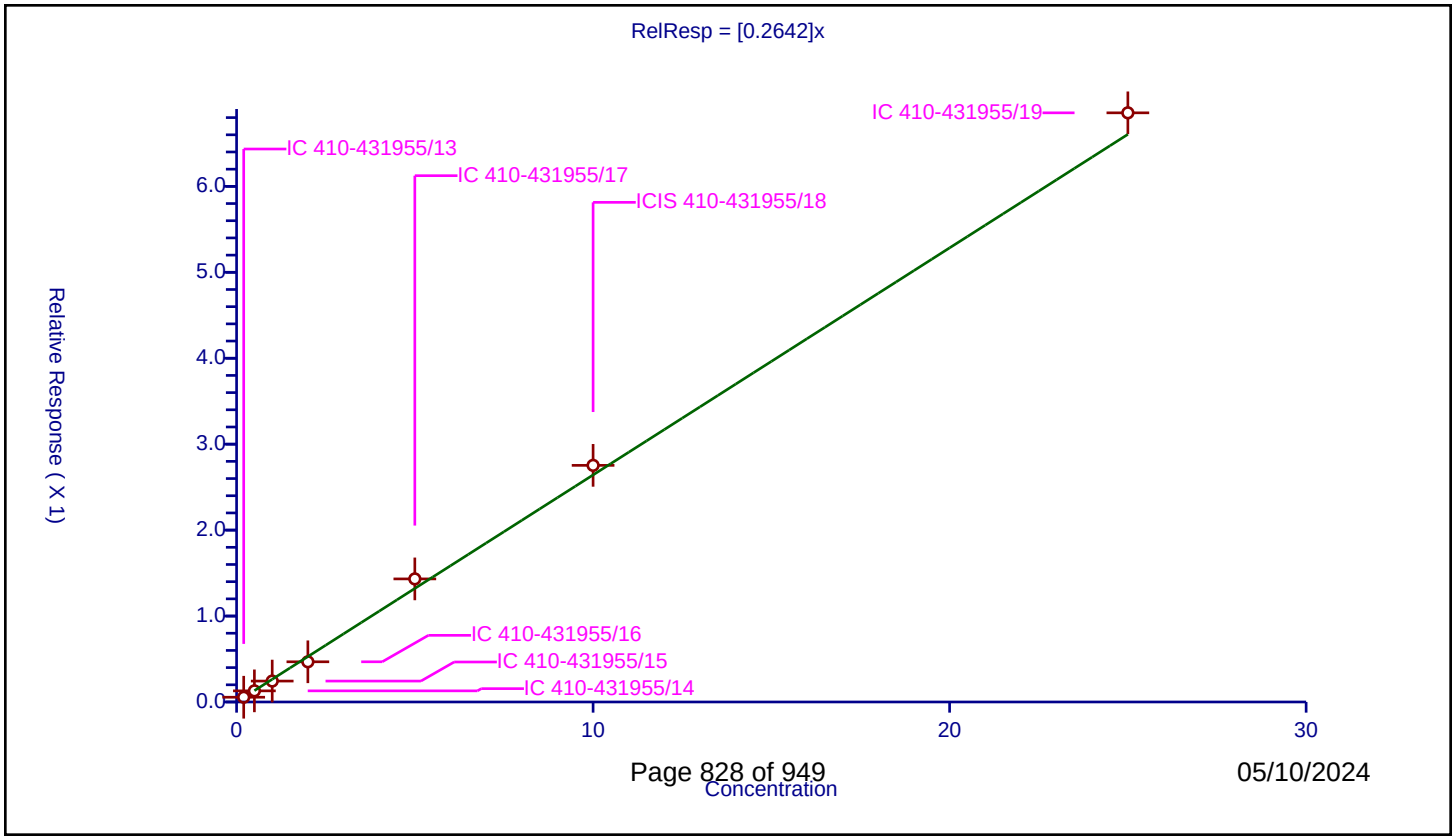
Curve Coefficients

Intercept:	0
Slope:	0.2642

Error Coefficients

Standard Error:	248000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.055343	10.0	720593.0	0.276717	Y
2	IC 410-431955/14	0.5	0.129667	10.0	730485.0	0.259335	Y
3	IC 410-431955/15	1.0	0.243538	10.0	728345.0	0.243538	Y
4	IC 410-431955/16	2.0	0.467773	10.0	755516.0	0.233887	Y
5	IC 410-431955/17	5.0	1.432084	10.0	753615.0	0.286417	Y
6	ICIS 410-431955/18	10.0	2.753343	10.0	773685.0	0.275334	Y
7	IC 410-431955/19	25.0	6.855498	10.0	812275.0	0.27422	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

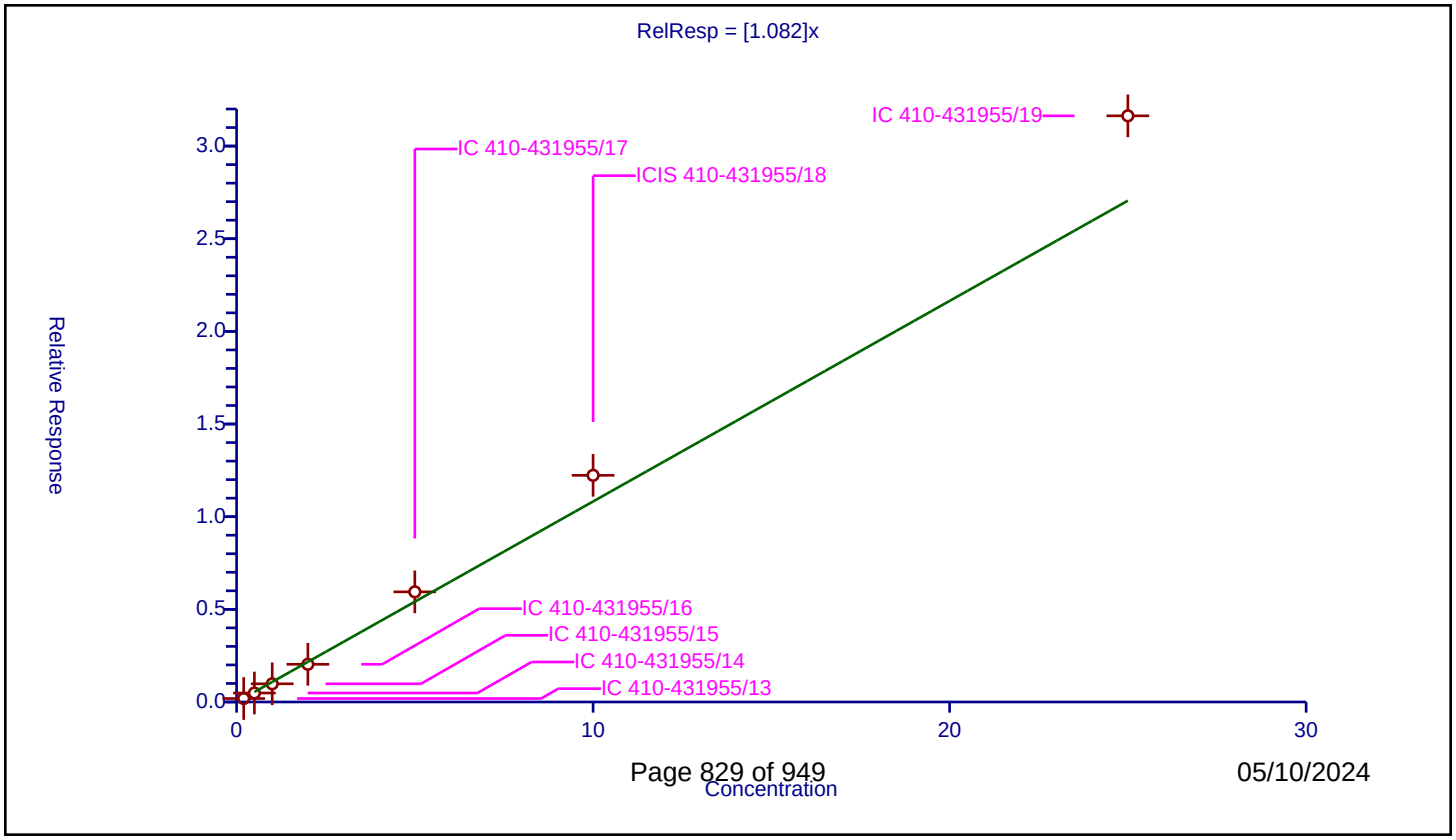
Curve Coefficients

Intercept:	0
Slope:	1.082

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	12.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.186236	10.0	720593.0	0.931178	Y
2	IC 410-431955/14	0.5	0.484555	10.0	730485.0	0.96911	Y
3	IC 410-431955/15	1.0	0.980263	10.0	728345.0	0.980263	Y
4	IC 410-431955/16	2.0	2.034808	10.0	755516.0	1.017404	Y
5	IC 410-431955/17	5.0	5.943937	10.0	753615.0	1.188787	Y
6	ICIS 410-431955/18	10.0	12.230985	10.0	773685.0	1.223099	Y
7	IC 410-431955/19	25.0	31.632033	10.0	812275.0	1.265281	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

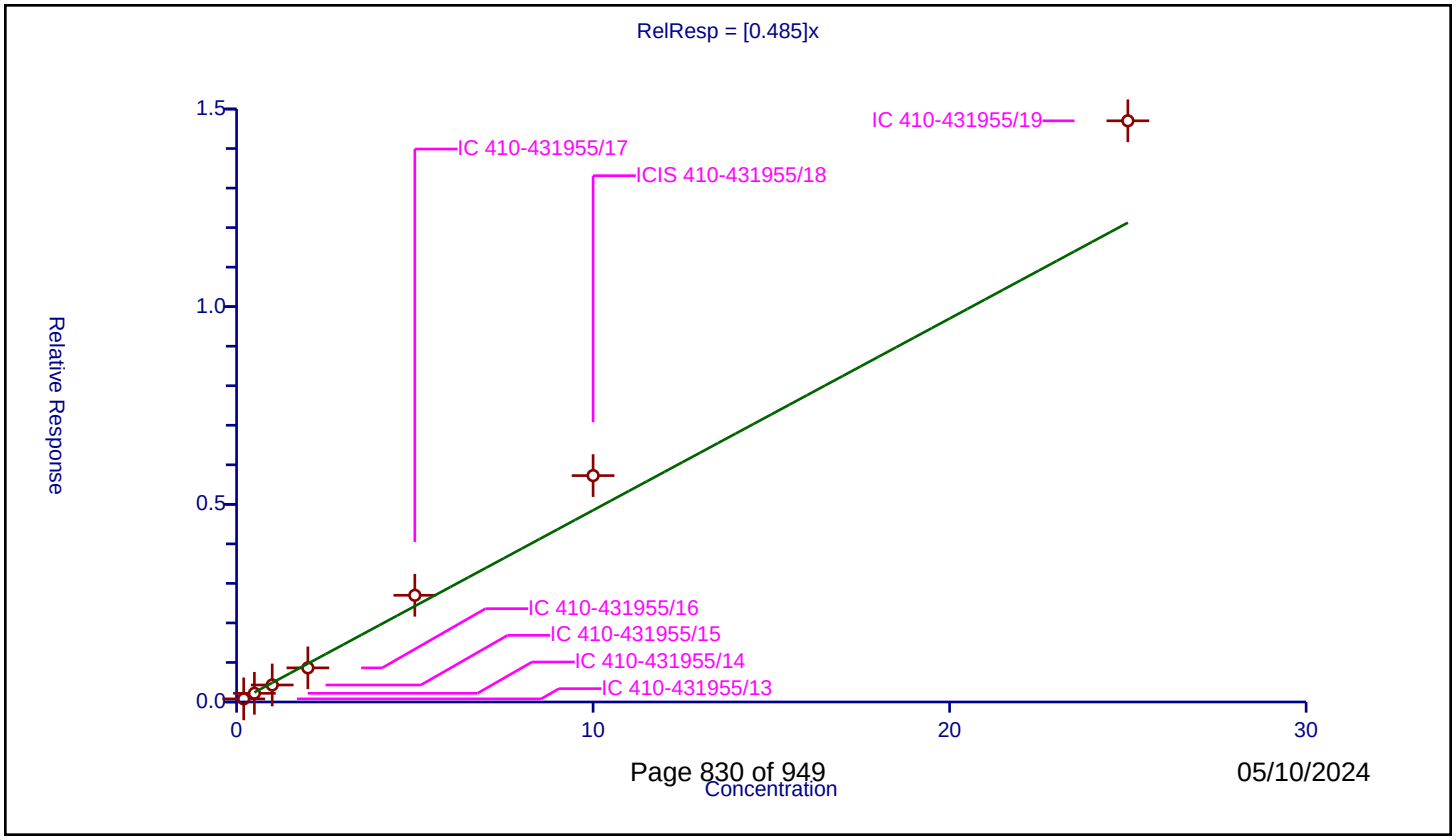
Curve Coefficients

Intercept:	0
Slope:	0.485

Error Coefficients

Standard Error:	527000
Relative Standard Error:	16.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.078685	10.0	720593.0	0.393426	Y
2	IC 410-431955/14	0.5	0.219635	10.0	730485.0	0.43927	Y
3	IC 410-431955/15	1.0	0.430222	10.0	728345.0	0.430222	Y
4	IC 410-431955/16	2.0	0.863105	10.0	755516.0	0.431553	Y
5	IC 410-431955/17	5.0	2.699216	10.0	753615.0	0.539843	Y
6	ICIS 410-431955/18	10.0	5.726969	10.0	773685.0	0.572697	Y
7	IC 410-431955/19	25.0	14.701696	10.0	812275.0	0.588068	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

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.: 410-169938-1

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.: 410-169938-1

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

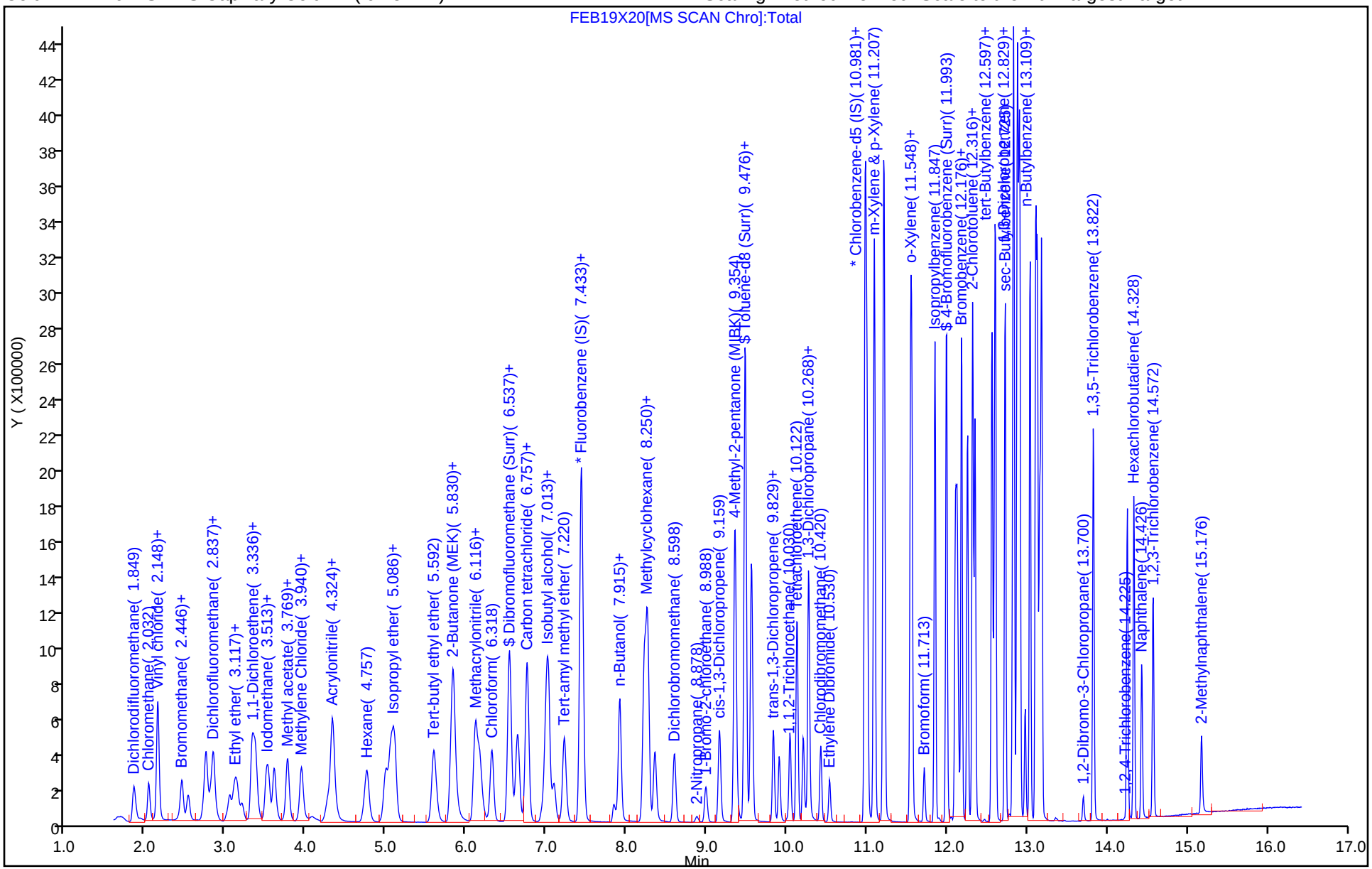
Report Date: 26-Feb-2024 13:13:14 Chrom Revision: 2.3 23-Feb-2024 16:51:14

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

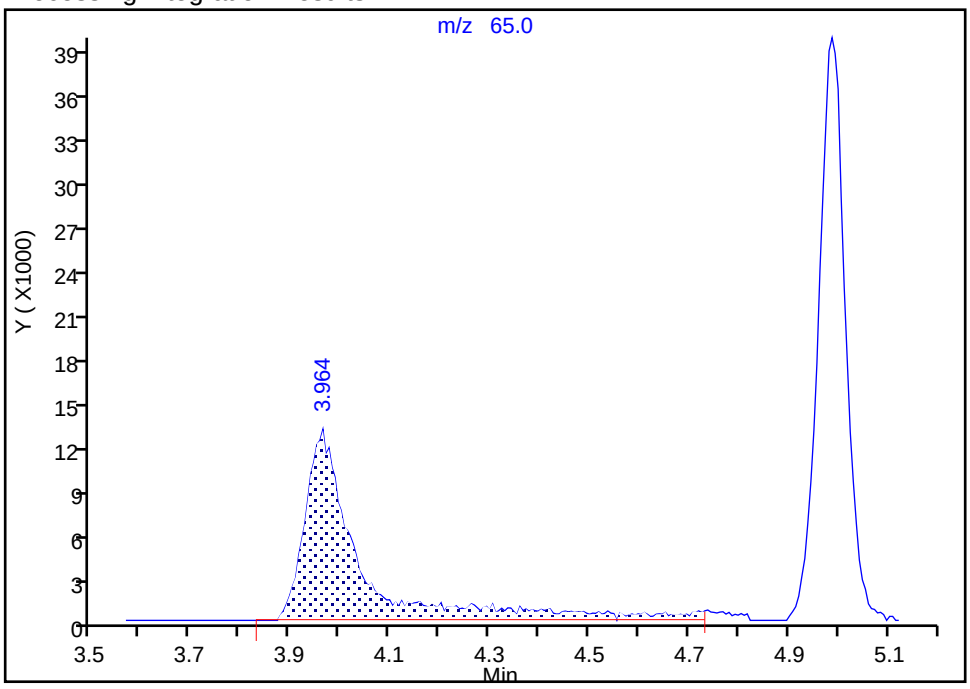
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X20.D
Injection Date: 20-Feb-2024 05:37:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

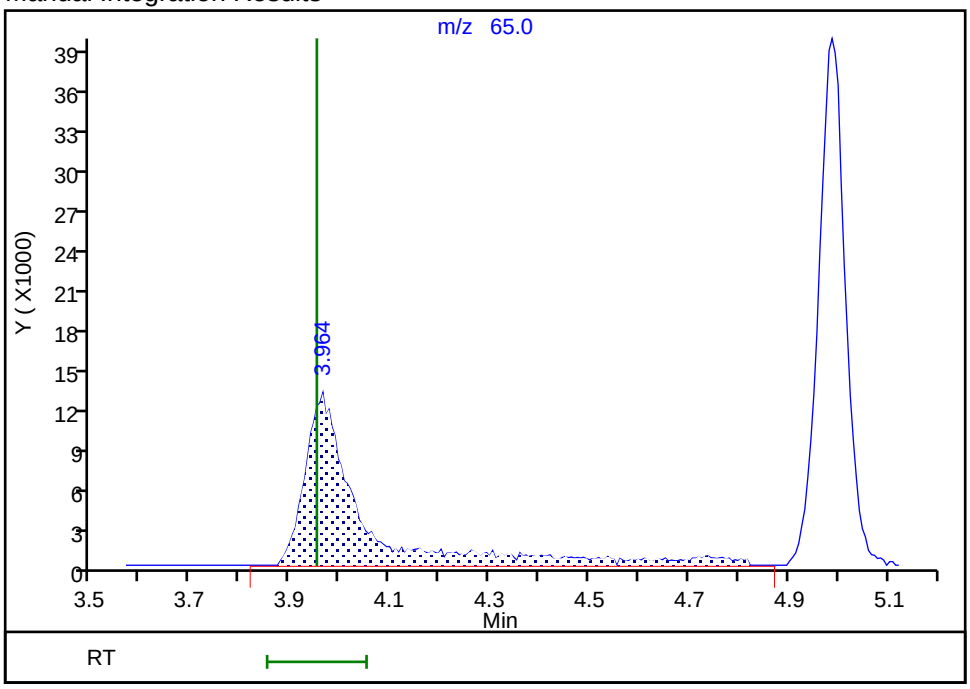
Processing Integration Results

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

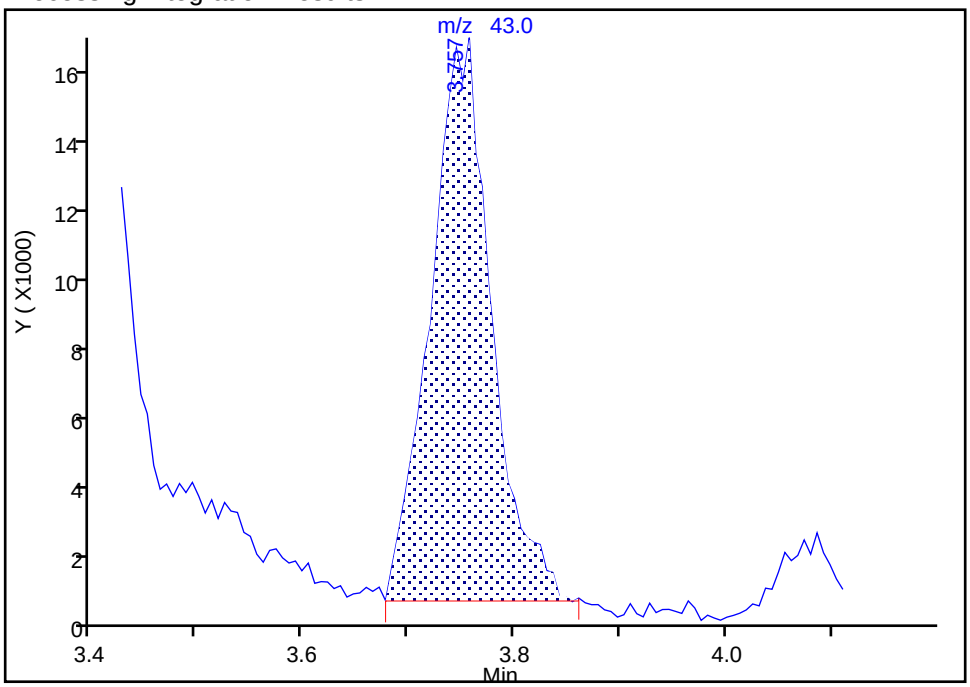
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X20.D
Injection Date: 20-Feb-2024 05:37:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

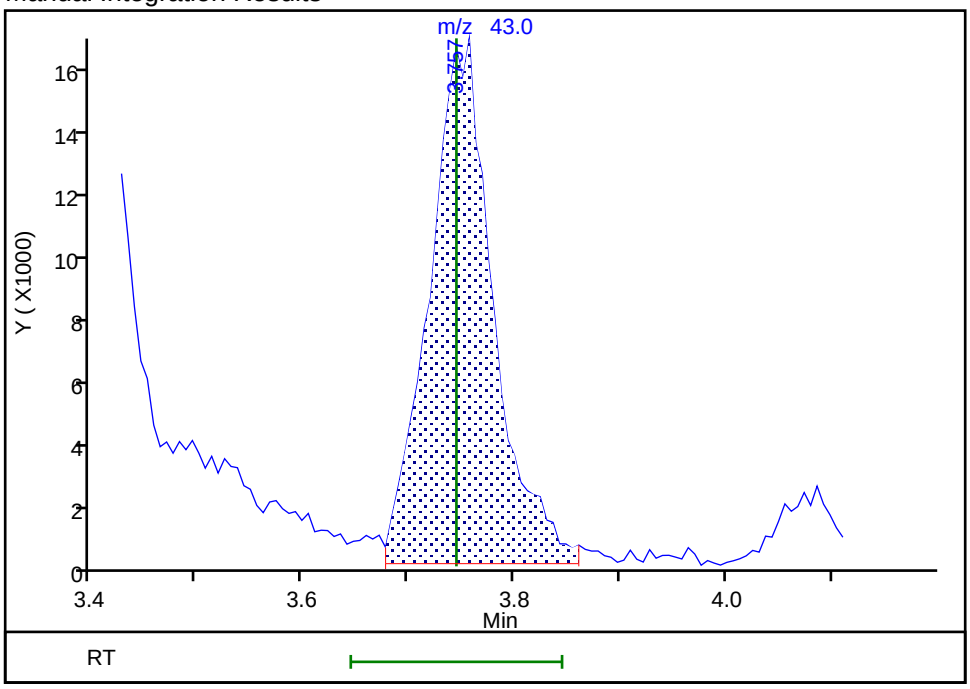
Processing Integration Results

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

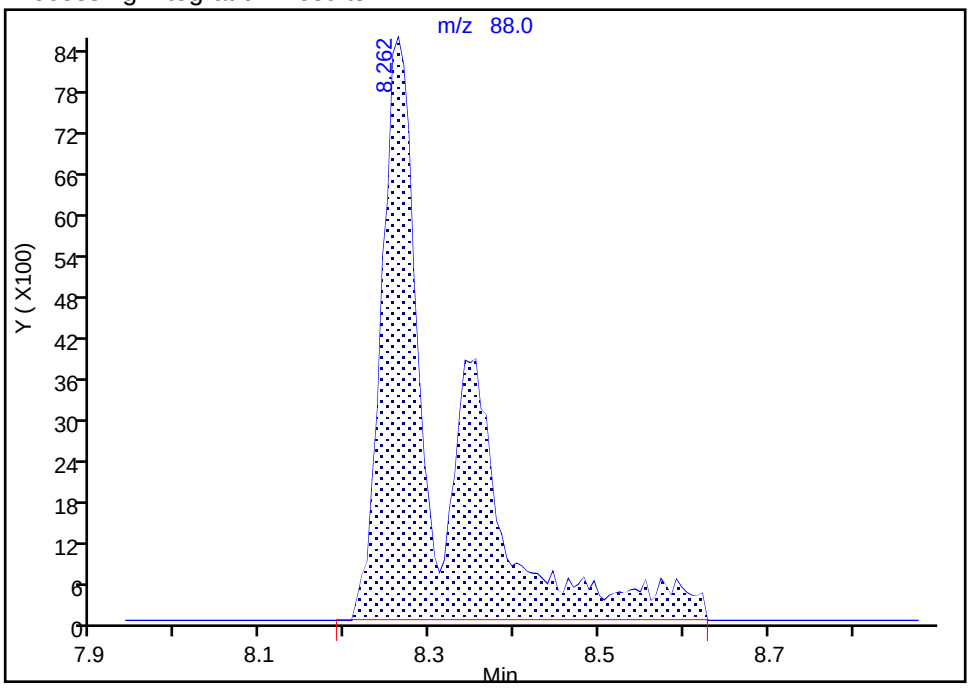
Data File: \\chromfs\Lancaster\ChromData\16334\20240219-106710.b\FEB19X20.D
Injection Date: 20-Feb-2024 05:37:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

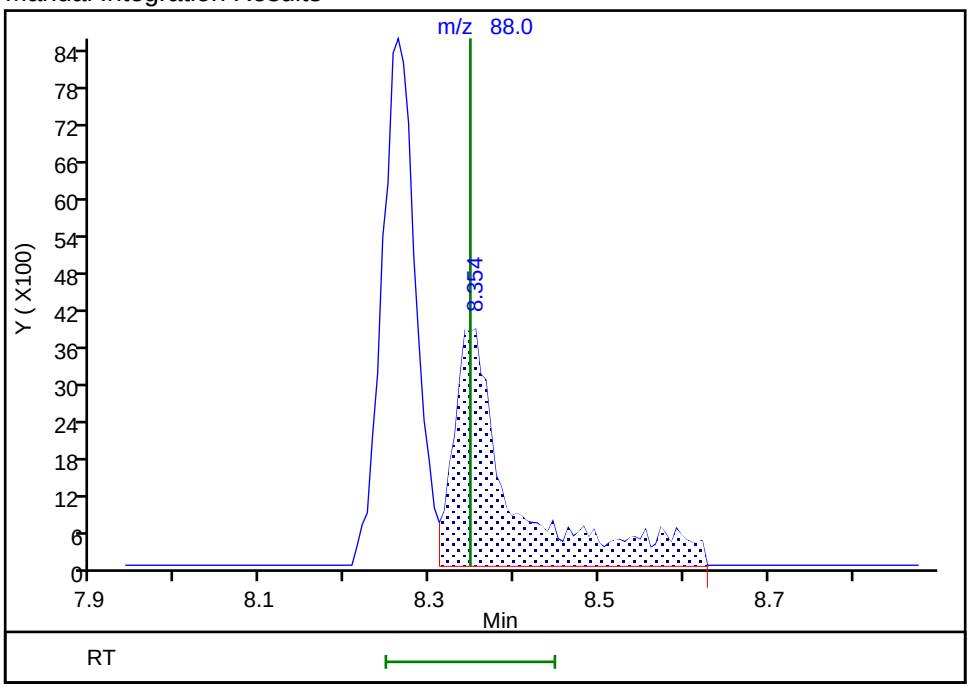
Processing Integration Results

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.: 410-169938-1

SDG No.:

Lab Sample ID: CCVIS 410-504341/3 Calibration Date: 05/09/2024 18:12

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: GY09X32.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	0.2636	0.1000	8.30	10.0	-17.0	20.0
Chloromethane	Ave	0.3006	0.2886	0.1000	9.60	10.0	-4.0	20.0
Vinyl chloride	Ave	0.2961	0.2745	0.1000	9.27	10.0	-7.3	20.0
1,3-Butadiene	Ave	0.2890	0.3521		12.2	10.0	21.8*	20.0
Bromomethane	Ave	0.2291	0.1926	0.1000	8.41	10.0	-15.9	20.0
Chloroethane	Ave	0.1749	0.1654	0.1000	9.45	10.0	-5.5	20.0
Dichlorofluoromethane	Ave	0.5049	0.4400		8.71	10.0	-12.9	20.0
Trichlorofluoromethane	Ave	0.4067	0.3253	0.1000	8.00	10.0	-20.0	20.0
Pentane	None					10.0		20.0
Ethyl ether	Ave	0.1341	0.1556		11.6	10.0	16.0	20.0
Freon 123a	Ave	0.2757	0.2542		9.22	10.0	-7.8	20.0
Acrolein	Ave	1.902	2.349		619	501	23.5*	20.0
1,1-Dichloroethene	Ave	0.2029	0.1858	0.1000	9.15	10.0	-8.5	20.0
Acetone	Ave	2.756	2.411	0.1000	87.5	100	-12.5	20.0
Freon 113	Ave	0.2092	0.2036	0.1000	9.73	10.0	-2.7	20.0
Methyl iodide	Ave	0.4203	0.3661		8.71	10.0	-12.9	20.0
Ethyl bromide	Ave	0.1856	0.1791		9.67	10.0	-3.5	20.0
Carbon disulfide	Ave	0.6912	0.6882	0.1000	9.96	10.0	-0.4	20.0
Methyl acetate	Ave	7.878	7.713	0.1000	9.79	10.0	-2.1	20.0
Allyl chloride	Ave	0.3357	0.3285		9.79	10.0	-2.1	20.0
Methylene Chloride	Ave	0.2213	0.2165	0.1000	9.78	10.0	-2.2	20.0
t-Butyl alcohol	Ave	0.9792	0.8115		166	200	-17.1	20.0
Acrylonitrile	Ave	3.333	3.961		29.7	25.0	18.8	20.0
Methyl tert-butyl ether	Ave	0.4870	0.4645	0.1000	9.54	10.0	-4.6	20.0
trans-1,2-Dichloroethene	Ave	0.2437	0.2222	0.1000	9.12	10.0	-8.8	20.0
n-Hexane	Ave	0.2737	0.2966		10.8	10.0	8.3	20.0
1,1-Dichloroethane	Ave	0.4089	0.4027	0.2000	9.85	10.0	-1.5	20.0
di-Isopropyl ether	Ave	0.6816	0.7074		10.4	10.0	3.8	20.0
2-Chloro-1,3-butadiene	Ave	0.3488	0.3307		9.48	10.0	-5.2	20.0
Ethyl t-butyl ether	Ave	0.6341	0.6124		9.66	10.0	-3.4	20.0
2-Butanone (MEK)	Ave	4.323	4.701	0.1000	109	100	8.8	20.0
cis-1,2-Dichloroethene	Ave	0.2726	0.2496	0.1000	9.16	10.0	-8.4	20.0
2,2-Dichloropropane	Ave	0.3802	0.3435		9.03	10.0	-9.7	20.0
Propionitrile	Ave	1.222	1.448		237	200	18.5	20.0
Methacrylonitrile	Ave	4.617	5.156		112	100	11.7	20.0
Bromochloromethane	Ave	0.1061	0.1011		9.53	10.0	-4.7	20.0
Tetrahydrofuran	Ave	1.234	1.377		55.8	50.0	11.6	20.0
Chloroform	Ave	0.4507	0.4160	0.2000	9.23	10.0	-7.7	20.0
1,1,1-Trichloroethane	Ave	0.3980	0.3501	0.1000	8.80	10.0	-12.0	20.0
Cyclohexane	Ave	0.3452	0.3618	0.1000	10.5	10.0	4.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Lab Sample ID: CCVIS 410-504341/3 Calibration Date: 05/09/2024 18:12

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: GY09X32.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	0.3221	0.3094		9.61	10.0	-3.9	20.0
Carbon tetrachloride	Ave	0.3496	0.3069	0.1000	8.78	10.0	-12.2	20.0
Isobutyl alcohol	Ave	0.0026	0.0028		528	500	5.5	20.0
Benzene	Ave	0.9655	0.9520	0.5000	9.86	10.0	-1.4	20.0
1,2-Dichloroethane	Ave	0.2464	0.2366	0.1000	9.60	10.0	-4.0	20.0
t-Amyl methyl ether	Ave	0.5416	0.5329		9.84	10.0	-1.6	20.0
n-Heptane	Ave	0.2851	0.3172		11.1	10.0	11.3	20.0
n-Butanol	Ave	0.2210	0.2522		998	875	14.1	20.0
Trichloroethene	Ave	0.2685	0.2476	0.2000	9.22	10.0	-7.8	20.0
Methylcyclohexane	Ave	0.3782	0.3826	0.1000	10.1	10.0	1.2	20.0
1,2-Dichloropropane	Ave	0.2264	0.2414	0.1000	10.7	10.0	6.6	20.0
1,4-Dioxane	Ave	0.0730	0.0744	0.0050	509	500	1.9	20.0
Methyl methacrylate	Ave	8.634	9.266		10.7	10.0	7.3	20.0
Dibromomethane	Ave	0.1074	0.1068		9.94	10.0	-0.6	20.0
Bromodichloromethane	Ave	0.2947	0.2849	0.2000	9.66	10.0	-3.4	20.0
2-Nitropropane	Ave	3.089	2.882		46.7	50.0	-6.7	20.0
1-Bromo-2-chloroethane	Ave	0.1927	0.2227		11.6	10.0	15.6	20.0
cis-1,3-Dichloropropene	Ave	0.3358	0.3413	0.2000	10.2	10.0	1.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	10.86	12.11	0.1000	112	100	11.5	20.0
Toluene	Ave	0.8680	0.8319	0.4000	9.58	10.0	-4.2	20.0
trans-1,3-Dichloropropene	Ave	0.3551	0.3732	0.1000	10.5	10.0	5.1	20.0
Ethyl methacrylate	Ave	0.2369	0.2637		11.1	10.0	11.3	20.0
1,1,2-Trichloroethane	Ave	0.1972	0.2031	0.1000	10.3	10.0	3.0	20.0
Tetrachloroethene	Ave	0.4133	0.3569	0.2000	8.64	10.0	-13.6	20.0
1,3-Dichloropropane	Ave	0.3351	0.3547		10.6	10.0	5.8	20.0
2-Hexanone	Ave	6.750	8.067	0.1000	120	100	19.5	20.0
Dibromochloromethane	Ave	0.2644	0.2543		9.62	10.0	-3.8	20.0
1,2-Dibromoethane (EDB)	Ave	0.1867	0.1918	0.1000	10.3	10.0	2.8	20.0
1-Chlorohexane	Ave	0.4849	0.4493		9.27	10.0	-7.3	20.0
Chlorobenzene	Ave	0.9841	0.9352	0.5000	9.50	10.0	-5.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3511	0.3289		9.37	10.0	-6.3	20.0
Ethylbenzene	Ave	1.722	1.667	0.1000	9.68	10.0	-3.2	20.0
m&p-Xylene	Ave	0.6776	0.6340	0.1000	18.7	20.0	-6.4	20.0
o-Xylene	Ave	0.6712	0.6188	0.3000	9.22	10.0	-7.8	20.0
Styrene	Ave	1.047	1.028	0.3000	9.82	10.0	-1.8	20.0
Bromoform	Ave	0.1557	0.1461	0.1000	9.38	10.0	-6.2	20.0
Isopropylbenzene	Ave	1.641	1.491	0.1000	9.08	10.0	-9.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.4029	0.4441	0.3000	11.0	10.0	10.2	20.0
Bromobenzene	Ave	0.7558	0.6930		9.17	10.0	-8.3	20.0
trans-1,4-Dichloro-2-butene	Ave	5.030	4.573		90.9	100	-9.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Lab Sample ID: CCVIS 410-504341/3 Calibration Date: 05/09/2024 18:12

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: GY09X32.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	0.1185		10.4	10.0	4.0	20.0
N-Propylbenzene	Ave	3.613	3.543		9.81	10.0	-1.9	20.0
2-Chlorotoluene	Ave	0.7764	0.7169		9.23	10.0	-7.7	20.0
1,3,5-Trimethylbenzene	Ave	2.669	2.570		9.63	10.0	-3.7	20.0
4-Chlorotoluene	Ave	0.8016	0.7694		9.60	10.0	-4.0	20.0
tert-Butylbenzene	Ave	0.6131	0.5656		9.22	10.0	-7.8	20.0
Pentachloroethane	Ave	0.4485	0.4419		9.85	10.0	-1.5	20.0
1,2,4-Trimethylbenzene	Ave	2.754	2.677		9.72	10.0	-2.8	20.0
sec-Butylbenzene	Ave	3.427	3.247		9.48	10.0	-5.2	20.0
1,3-Dichlorobenzene	Ave	1.579	1.461	0.6000	9.25	10.0	-7.5	20.0
p-Isopropyltoluene	Ave	3.043	2.848		9.36	10.0	-6.4	20.0
1,4-Dichlorobenzene	Ave	1.606	1.475	0.5000	9.18	10.0	-8.2	20.0
1,2,3-Trimethylbenzene	Ave	1.238	1.159		9.37	10.0	-6.3	20.0
Benzyl chloride	Ave	0.1752	0.1949		11.1	10.0	11.3	20.0
n-Butylbenzene	Ave	1.513	1.527		10.1	10.0	0.9	20.0
1,2-Dichlorobenzene	Ave	1.386	1.298	0.4000	9.37	10.0	-6.3	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0554	0.0568	0.0500	10.2	10.0	2.4	20.0
1,3,5-Trichlorobenzene	Ave	1.270	1.178		9.27	10.0	-7.3	20.0
1,2,4-Trichlorobenzene	Ave	0.9660	0.9130	0.2000	9.45	10.0	-5.5	20.0
Hexachlorobutadiene	Ave	0.5542	0.5008		9.04	10.0	-9.6	20.0
Naphthalene	Ave	1.230	1.247		10.1	10.0	1.4	20.0
1,2,3-Trichlorobenzene	Ave	0.7146	0.6914		9.67	10.0	-3.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2388	0.2301		9.63	10.0	-3.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0432	0.0439		10.1	10.0	1.5	20.0
Toluene-d8 (Surr)	Ave	1.297	1.339		10.3	10.0	3.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4751	0.4906		10.3	10.0	3.3	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X32.D
Lims ID: CCVIS VSTD10
Client ID:
Sample Type: CCVIS
Inject. Date: 09-May-2024 18:12:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-003
Misc. Info.: CCVIS
Operator ID: gaw91131 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-May-2024 19:49:14 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: CTX1665

First Level Reviewer: JS6E Date: 09-May-2024 18:51:23

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	764888	10.0	8.30	
5 Chloromethane	50	2.026	2.026	0.000	99	837533	10.0	9.60	
6 Vinyl chloride	62	2.135	2.135	0.000	98	796392	10.0	9.27	
7 Butadiene	39	2.148	2.148	0.000	93	1021586	10.0	12.2	
9 Bromomethane	94	2.446	2.446	0.000	91	558750	10.0	8.41	
10 Chloroethane	64	2.526	2.526	0.000	100	479986	10.0	9.45	
11 Dichlorofluoromethane	67	2.751	2.751	0.000	97	1276683	10.0	8.71	
12 Trichlorofluoromethane	101	2.812	2.812	0.000	97	943831	10.0	8.00	
13 Ethyl ether	59	3.044	3.044	0.000	93	451564	10.0	11.6	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.129	3.129	0.000	93	737525	10.0	9.22	
17 Acrolein	56	3.202	3.202	0.000	99	3155850	501.1	618.9	
18 1,1-Dichloroethene	96	3.330	3.330	0.000	98	539069	10.0	9.15	
19 Acetone	43	3.361	3.361	0.000	100	646308	100.0	87.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.367	3.367	0.000	93	590851	10.0	9.73	
22 Iodomethane	142	3.507	3.507	0.000	99	1062381	10.0	8.71	
21 Isopropyl alcohol	45	3.532	3.532	0.000	43	228642	200.0	191.4	
23 Ethyl bromide	108	3.538	3.538	0.000	99	520637	10.0	9.67	
24 Carbon disulfide	76	3.605	3.605	0.000	99	1997016	10.0	9.96	
25 Methyl acetate	43	3.757	3.757	0.000	98	206766	10.0	9.79	
27 3-Chloro-1-propene	41	3.775	3.775	0.000	92	953248	10.0	9.79	
29 Methylene Chloride	84	3.946	3.946	0.000	92	628195	10.0	9.78	
* 30 t-Butyl alcohol-d10 (IS)	65	3.977	3.977	0.000	99	134034	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.086	4.086	0.000	98	435084	200.0	165.7	
32 Acrylonitrile	53	4.275	4.275	0.000	98	265426	25.0	29.7	
33 Methyl tert-butyl ether	73	4.336	4.336	0.000	92	1347756	10.0	9.54	
34 trans-1,2-Dichloroethene	96	4.342	4.342	0.000	99	644832	10.0	9.12	
35 Hexane	57	4.775	4.775	0.000	92	860534	10.0	10.8	
37 1,1-Dichloroethane	63	5.001	5.001	0.000	96	1168407	10.0	9.85	
38 Isopropyl ether	45	5.074	5.074	0.000	93	2052719	10.0	10.4	
39 2-Chloro-1,3-butadiene	53	5.117	5.117	0.000	91	959592	10.0	9.48	

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	5.610	5.610	0.000	98	1777091	10.0	9.66	
41 2-Butanone (MEK)	43	5.824	5.824	0.000	100	1260164	100.0	108.8	
42 cis-1,2-Dichloroethene	96	5.842	5.842	0.000	82	724296	10.0	9.16	
43 2,2-Dichloropropane	77	5.860	5.860	0.000	86	996596	10.0	9.03	
45 Propionitrile	54	5.915	5.915	0.000	99	776192	200.0	236.9	
48 Methacrylonitrile	67	6.129	6.129	0.000	91	1382168	100.0	111.7	
49 Chlorobromomethane	128	6.171	6.171	0.000	92	293427	10.0	9.53	
50 Tetrahydrofuran	71	6.202	6.202	0.000	78	184527	50.0	55.8	
51 Chloroform	83	6.330	6.330	0.000	93	1207128	10.0	9.23	
$ 52 Dibromofluoromethane (Surr)	113	6.549	6.549	0.000	93	667605	10.0	9.63	
53 1,1,1-Trichloroethane	97	6.555	6.555	0.000	98	1016023	10.0	8.80	
54 Cyclohexane	56	6.653	6.653	0.000	91	1049766	10.0	10.5	
55 Carbon tetrachloride	117	6.769	6.769	0.000	97	890440	10.0	8.78	
56 1,1-Dichloropropene	75	6.769	6.769	0.000	97	897817	10.0	9.61	
58 Isobutyl alcohol	41	6.964	6.964	0.000	90	404299	500.0	527.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.000	7.000	0.000	97	127300	10.0	10.1	
60 Benzene	78	7.031	7.031	0.000	97	2762419	10.0	9.86	
61 1,2-Dichloroethane	62	7.104	7.104	0.000	98	686651	10.0	9.60	
63 Tert-amyl methyl ether	73	7.232	7.232	0.000	99	1546314	10.0	9.84	
* 64 Fluorobenzene (IS)	96	7.439	7.439	0.000	99	2901713	10.0	10.0	
65 n-Heptane	43	7.458	7.458	0.000	93	920292	10.0	11.1	
67 n-Butanol	56	7.854	7.854	0.000	89	591470	875.0	998.2	
68 Trichloroethene	95	7.921	7.921	0.000	98	718374	10.0	9.22	
69 Methylcyclohexane	83	8.226	8.226	0.000	92	1110295	10.0	10.1	
70 1,2-Dichloropropane	63	8.250	8.250	0.000	93	700448	10.0	10.7	
71 2-ethoxy-2-methyl butane	87	8.274	8.274	0.000	93	1067373	10.0	9.52	
73 1,4-Dioxane	88	8.354	8.354	0.000	37	99720	500.0	509.4	M
72 Methyl methacrylate	69	8.354	8.354	0.000	91	248379	10.0	10.7	
74 Dibromomethane	93	8.360	8.360	0.000	96	309881	10.0	9.94	
76 Dichlorobromomethane	83	8.598	8.598	0.000	99	826587	10.0	9.66	
77 2-Nitropropane	41	8.878	8.878	0.000	99	386278	50.0	46.7	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	646178	10.0	11.6	
81 cis-1,3-Dichloropropene	75	9.158	9.158	0.000	96	990227	10.0	10.2	
82 4-Methyl-2-pentanone (MIBK)	43	9.354	9.354	0.000	97	3247131	100.0	111.5	
$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2825878	10.0	10.3	
84 Toluene	92	9.561	9.561	0.000	98	1755952	10.0	9.58	
85 trans-1,3-Dichloropropene	75	9.829	9.829	0.000	93	787652	10.0	10.5	
86 Ethyl methacrylate	69	9.902	9.902	0.000	88	556648	10.0	11.1	
107 1,1,2-Trichloroethane	97	10.036	10.036	0.000	91	428750	10.0	10.3	
108 Tetrachloroethene	166	10.122	10.122	0.000	97	753331	10.0	8.64	
109 1,3-Dichloropropane	76	10.201	10.201	0.000	91	748579	10.0	10.6	
110 2-Hexanone	43	10.262	10.262	0.000	97	2162475	100.0	119.5	
112 Chlorodibromomethane	129	10.414	10.414	0.000	90	536844	10.0	9.62	
113 Ethylene Dibromide	107	10.524	10.524	0.000	98	404924	10.0	10.3	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	2110675	10.0	10.0	
115 1-Chlorohexane	91	10.981	10.981	0.000	98	948375	10.0	9.27	
116 Chlorobenzene	112	10.993	10.993	0.000	94	1973946	10.0	9.50	
117 1,1,1,2-Tetrachloroethane	131	11.073	11.073	0.000	96	694255	10.0	9.37	
118 Ethylbenzene	91	11.079	11.079	0.000	99	3518085	10.0	9.68	
120 m-Xylene & p-Xylene	106	11.195	11.195	0.000	100	2676544	20.0	18.7	
121 o-Xylene	106	11.530	11.530	0.000	97	1306007	10.0	9.22	
122 Styrene	104	11.542	11.542	0.000	94	2169616	10.0	9.82	

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	308450	10.0	9.38	
124 Isopropylbenzene	105	11.829	11.829	0.000	96	3146612	10.0	9.08	
$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	89	1035476	10.0	10.3	
128 1,1,2,2-Tetrachloroethane	83	12.079	12.079	0.000	93	524556	10.0	11.0	
129 Bromobenzene	156	12.085	12.085	0.000	96	818476	10.0	9.17	
130 trans-1,4-Dichloro-2-butene	53	12.103	12.103	0.000	94	1225936	100.0	90.9	
131 1,2,3-Trichloropropane	110	12.121	12.121	0.000	80	139972	10.0	10.4	
132 N-Propylbenzene	91	12.158	12.158	0.000	99	4184797	10.0	9.81	
133 2-Chlorotoluene	126	12.231	12.231	0.000	96	846737	10.0	9.23	
134 1,3,5-Trimethylbenzene	105	12.298	12.298	0.000	93	3035243	10.0	9.63	
135 4-Chlorotoluene	126	12.329	12.329	0.000	97	908657	10.0	9.60	
136 tert-Butylbenzene	134	12.536	12.536	0.000	93	667996	10.0	9.22	
137 Pentachloroethane	167	12.566	12.566	0.000	92	521947	10.0	9.85	
138 1,2,4-Trimethylbenzene	105	12.579	12.579	0.000	98	3162124	10.0	9.72	
139 sec-Butylbenzene	105	12.700	12.700	0.000	95	3835322	10.0	9.48	
140 1,3-Dichlorobenzene	146	12.798	12.798	0.000	98	1725775	10.0	9.25	
141 4-Isopropyltoluene	119	12.804	12.804	0.000	97	3363502	10.0	9.36	
* 142 1,4-Dichlorobenzene-d4	152	12.853	12.853	0.000	94	1181063	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.871	12.871	0.000	94	1741714	10.0	9.18	
144 1,2,3-Trimethylbenzene	120	12.883	12.883	0.000	99	1369143	10.0	9.37	
145 Benzyl chloride	126	12.944	12.944	0.000	99	230239	10.0	11.1	
146 p-Diethylbenzene	119	13.005	13.005	0.000	91	1992578	10.0	9.43	
147 n-Butylbenzene	92	13.097	13.097	0.000	95	1803691	10.0	10.1	
148 1,2-Dichlorobenzene	146	13.127	13.127	0.000	98	1533610	10.0	9.37	
150 1,2-Dibromo-3-Chloropropane	155	13.670	13.670	0.000	86	67049	10.0	10.2	
151 1,3,5-Trichlorobenzene	180	13.792	13.792	0.000	97	1391348	10.0	9.27	
152 1,2,4-Trichlorobenzene	180	14.212	14.212	0.000	94	1078321	10.0	9.45	
153 Hexachlorobutadiene	225	14.292	14.292	0.000	97	591443	10.0	9.04	
154 Naphthalene	128	14.389	14.389	0.000	97	1473087	10.0	10.1	
155 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	95	816565	10.0	9.67	
156 2-Methylnaphthalene	142	15.127	15.127	0.000	92	579668	10.0	12.0	
167 Pentane	43	2.843	2.843	0.000	96	998563	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00126	Amount Added: 20.00	Units: uL	
MSV_LL_GAS826_00206	Amount Added: 20.00	Units: uL	
MSV_LL_#2_826_00137	Amount Added: 20.00	Units: uL	
MSV_HP25_ISSS_00087	Amount Added: 1.00	Units: uL	Run Reagent

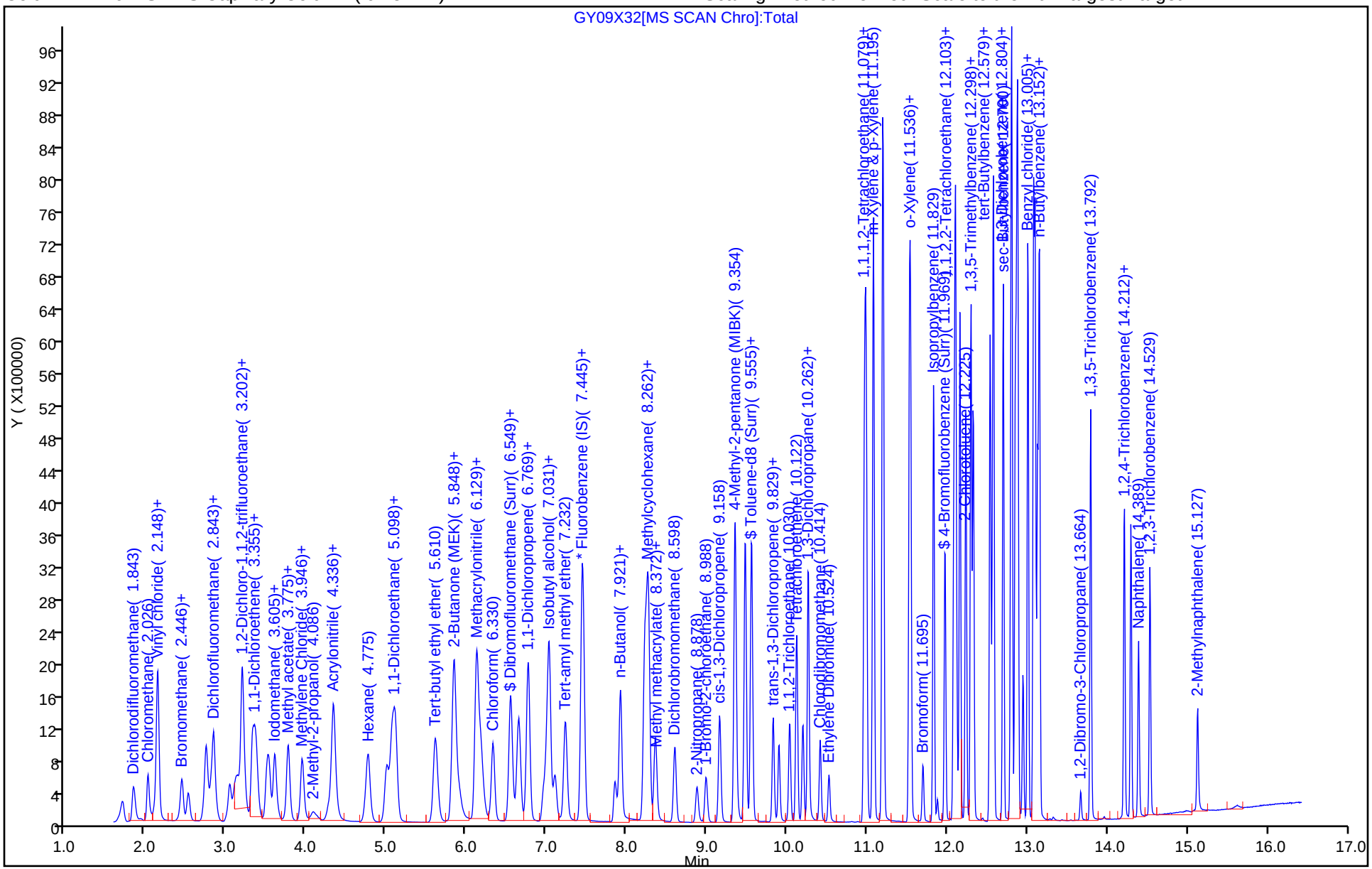
Report Date: 09-May-2024 19:49:15 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X32.D

Injection Date:	09-May-2024 18:12:30	Instrument ID:	16334	Operator ID:	gaw91131
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

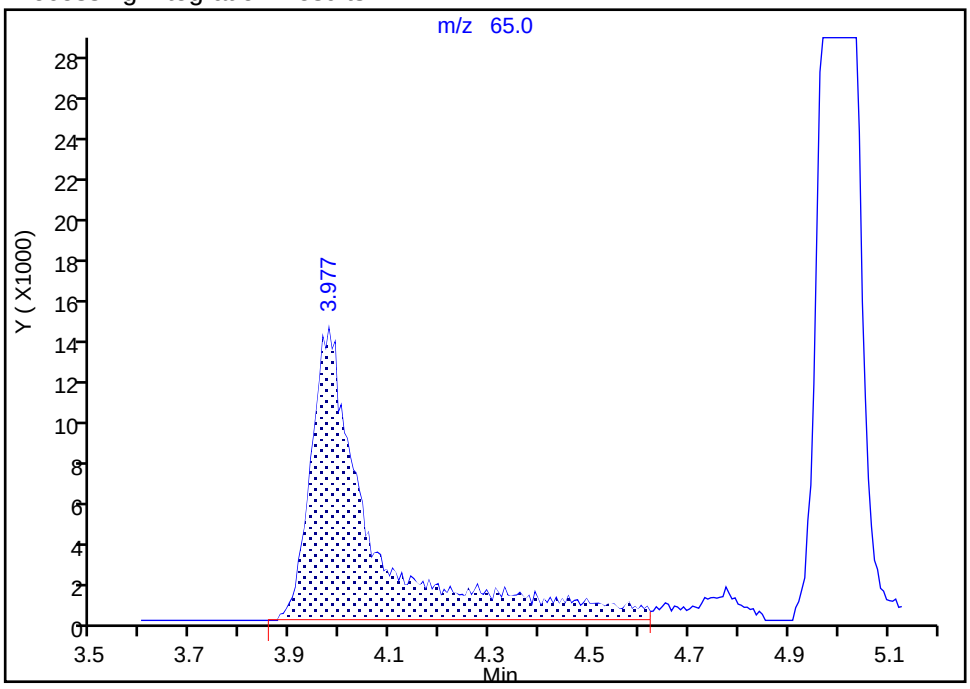
Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X32.D				
Injection Date:	09-May-2024 18:12:30	Instrument ID:	16334		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

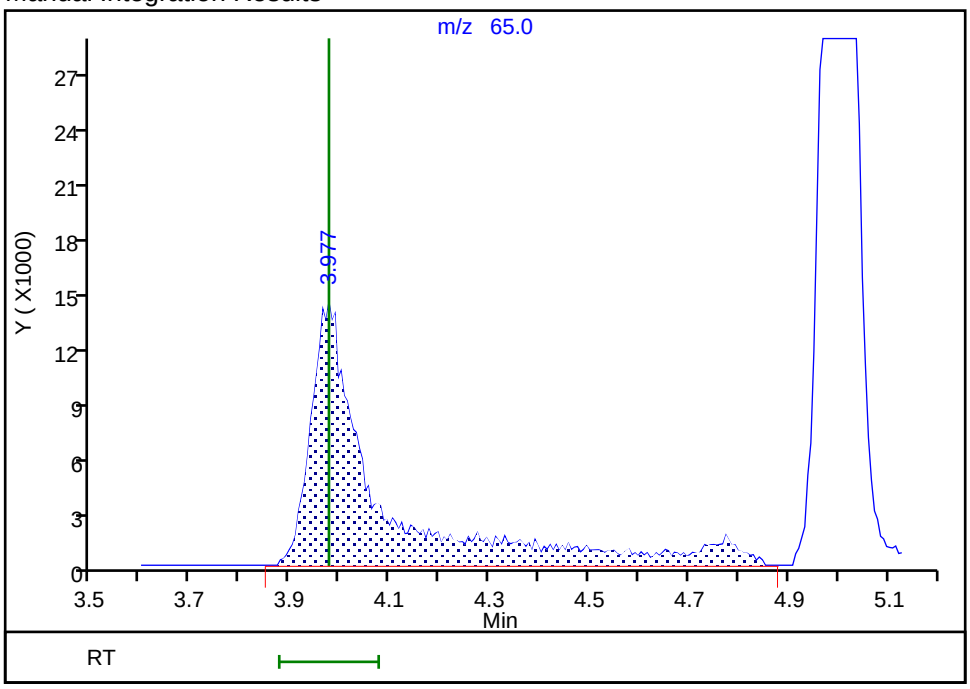
Processing Integration Results

RT: 3.98
Area: 123451
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.98
Area: 134034
Amount: 50.000000
Amount Units: ug/l



Reviewer: JS6E, 09-May-2024 19:46:54 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

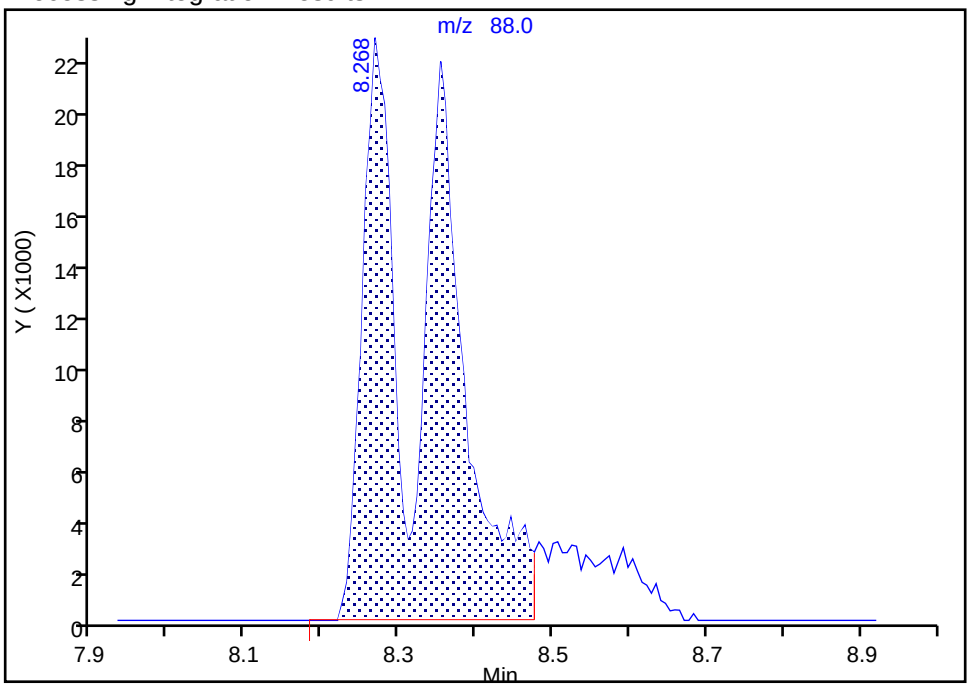
Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X32.D				
Injection Date:	09-May-2024 18:12:30	Instrument ID:	16334		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

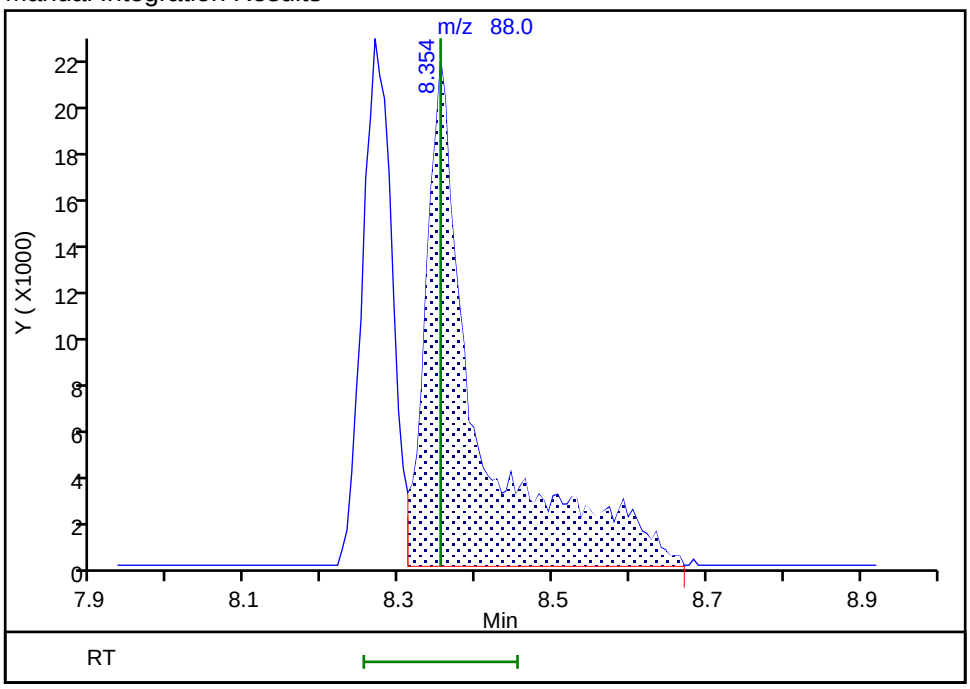
Processing Integration Results

RT: 8.27
Area: 135664
Amount: 693.0441
Amount Units: ug/l



Manual Integration Results

RT: 8.35
Area: 99720
Amount: 509.4230
Amount Units: ug/l



Reviewer: JS6E, 09-May-2024 19:47:49 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Lab Sample ID: ICV 410-431955/21 Calibration Date: 10/17/2023 10:24

Instrument ID: 19094 Calib Start Date: 10/17/2023 07:43

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/17/2023 09:43

Lab File ID: HO16X20.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	0.2955	0.3108	0.1000	5.26	5.00	5.2	30.0
Chloromethane	Ave	0.3245	0.3193	0.1000	4.92	5.00	-1.6	30.0
Vinyl chloride	Ave	0.3113	0.3147	0.1000	5.06	5.00	1.1	30.0
1,3-Butadiene	Ave	0.3376	0.2805		4.15	5.00	-16.9	30.0
Bromomethane	Ave	0.2216	0.2261	0.1000	5.10	5.00	2.0	30.0
Chloroethane	Ave	0.1797	0.1894	0.1000	5.27	5.00	5.4	30.0
Dichlorofluoromethane	Ave	0.4969	0.4666		4.70	5.00	-6.1	30.0
Trichlorofluoromethane	Ave	0.3725	0.3874	0.1000	5.20	5.00	4.0	30.0
Ethyl ether	Ave	0.1719	0.1508		4.39	5.01	-12.2	30.0
Freon 123a	Ave	0.2673	0.2806		5.25	5.00	5.0	30.0
Acrolein	Ave	2.449	2.355		36.1	37.5	-3.9	30.0
1,1-Dichloroethene	Ave	0.2090	0.2143	0.1000	5.13	5.00	2.5	30.0
Acetone	Ave	3.026	2.943	0.1000	60.8	62.5	-2.7	30.0
Freon 113	Ave	0.1923	0.1888	0.1000	4.91	5.00	-1.8	30.0
Methyl iodide	Ave	0.4129	0.4141		5.01	5.00	0.3	30.0
Ethyl bromide	Ave	0.1871	0.1916		5.18	5.06	2.4	30.0
Carbon disulfide	Ave	0.5820	0.5723	0.1000	4.92	5.00	-1.7	30.0
Methyl acetate	Ave	8.821	7.330	0.1000	4.15	5.00	-16.9	30.0
Allyl chloride	Ave	0.3497	0.3339		4.77	5.00	-4.5	30.0
Methylene Chloride	Ave	0.2218	0.2238	0.1000	5.04	5.00	0.9	30.0
t-Butyl alcohol	Ave	0.8959	0.8349		46.6	50.0	-6.8	30.0
Acrylonitrile	Ave	3.950	4.109		26.0	25.0	4.0	30.0
Methyl tert-butyl ether	Ave	0.5270	0.5167	0.1000	4.90	5.00	-2.0	30.0
trans-1,2-Dichloroethene	Ave	0.2375	0.2434	0.1000	5.12	5.00	2.5	30.0
n-Hexane	Ave	0.2577	0.2671		5.18	5.00	3.6	30.0
1,1-Dichloroethane	Ave	0.4229	0.4599	0.2000	5.44	5.00	8.7	30.0
di-Isopropyl ether	Ave	0.6967	0.6952		4.99	5.00	-0.2	30.0
2-Chloro-1,3-butadiene	Ave	0.3824	0.3935		5.15	5.00	2.9	30.0
Ethyl t-butyl ether	Ave	0.6856	0.6875		5.01	5.00	0.3	30.0
2-Butanone (MEK)	Ave	4.948	5.346	0.1000	67.5	62.5	8.1	30.0
cis-1,2-Dichloroethene	Ave	0.2665	0.2728	0.1000	5.12	5.00	2.4	30.0
2,2-Dichloropropane	Ave	0.3921	0.4153		5.30	5.00	5.9	30.0
Propionitrile	Ave	1.378	1.122		30.5	37.5	-18.5	30.0
Methacrylonitrile	Ave	5.500	5.707		38.9	37.5	3.7	30.0
Bromochloromethane	Ave	0.1065	0.1157		5.43	5.00	8.7	30.0
Tetrahydrofuran	Ave	1.587	1.429		22.5	25.0	-10.0	30.0
Chloroform	Ave	0.4355	0.4581	0.2000	5.26	5.00	5.2	30.0
1,1,1-Trichloroethane	Ave	0.4085	0.4327	0.1000	5.30	5.00	5.9	30.0
Cyclohexane	Ave	0.3708	0.3650	0.1000	4.92	5.00	-1.6	30.0
Carbon tetrachloride	Ave	0.3419	0.3806	0.1000	5.57	5.00	11.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Lab Sample ID: ICV 410-431955/21 Calibration Date: 10/17/2023 10:24

Instrument ID: 19094 Calib Start Date: 10/17/2023 07:43

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/17/2023 09:43

Lab File ID: HO16X20.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	0.3288	0.3556		5.41	5.00	8.2	30.0
Isobutyl alcohol	Ave	0.2834	0.2954		130	125	4.2	30.0
Benzene	Ave	0.9541	1.009	0.5000	5.29	5.00	5.7	30.0
1,2-Dichloroethane	Ave	0.2779	0.2864	0.1000	5.15	5.00	3.1	30.0
t-Amyl methyl ether	Ave	0.5813	0.5845		5.03	5.00	0.6	30.0
n-Heptane	Ave	0.2544	0.2715		5.34	5.00	6.7	30.0
n-Butanol	Ave	0.2257	0.2236		248	250	-0.9	30.0
Trichloroethene	Ave	0.2692	0.2784	0.2000	5.17	5.00	3.4	30.0
Methylcyclohexane	Ave	0.3647	0.3844	0.1000	5.27	5.00	5.4	30.0
1,2-Dichloropropane	Ave	0.2347	0.2514	0.1000	5.36	5.00	7.1	30.0
Methyl methacrylate	Ave	11.30	11.40		5.05	5.00	0.9	30.0
1,4-Dioxane	Lin2		0.0696	0.0050	243	125	94.4*	30.0
Dibromomethane	Ave	0.1137	0.1206		5.31	5.00	6.1	30.0
Bromodichloromethane	Ave	0.3129	0.3305	0.2000	5.28	5.00	5.6	30.0
2-Nitropropane	Ave	3.830	3.969		5.18	5.00	3.6	30.0
1-Bromo-2-chloroethane	Ave	0.2305	0.2292		4.97	5.00	-0.6	30.0
cis-1,3-Dichloropropene	Ave	0.3641	0.3685	0.2000	5.06	5.00	1.2	30.0
4-Methyl-2-pentanone (MIBK)	Ave	13.94	14.20	0.1000	63.7	62.5	1.9	30.0
Toluene	Ave	0.8259	0.8779	0.4000	5.31	5.00	6.3	30.0
trans-1,3-Dichloropropene	Ave	0.3969	0.4134	0.1000	5.21	5.00	4.2	30.0
Ethyl methacrylate	Ave	0.2946	0.2979		5.06	5.00	1.1	30.0
1,1,2-Trichloroethane	Ave	0.2079	0.2159	0.1000	5.19	5.00	3.8	30.0
Tetrachloroethene	Ave	0.3946	0.4282	0.2000	5.43	5.00	8.5	30.0
1,3-Dichloropropane	Ave	0.3562	0.3711		5.21	5.00	4.2	30.0
2-Hexanone	Ave	9.279	9.657	0.1000	65.0	62.5	4.1	30.0
Dibromochloromethane	Ave	0.2773	0.2964		5.34	5.00	6.9	30.0
1,2-Dibromoethane (EDB)	Ave	0.2005	0.2087	0.1000	5.20	5.00	4.1	30.0
1-Chlorohexane	Ave	0.4716	0.4671		4.95	5.00	-1.0	30.0
Chlorobenzene	Ave	0.9001	0.9628	0.5000	5.35	5.00	7.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3281	0.3532		5.38	5.00	7.7	30.0
Ethylbenzene	Ave	1.609	1.728	0.1000	5.37	5.00	7.4	30.0
m&p-Xylene	Ave	0.6214	0.6698	0.1000	10.8	10.0	7.8	30.0
o-Xylene	Ave	0.6094	0.6474	0.3000	5.31	5.00	6.2	30.0
Styrene	Ave	0.9854	1.059	0.3000	5.38	5.00	7.5	30.0
Bromoform	Ave	0.1748	0.1778	0.1000	5.09	5.00	1.7	30.0
Isopropylbenzene	Ave	1.495	1.740	0.1000	5.82	5.00	16.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4576	0.4494	0.3000	4.91	5.00	-1.8	30.0
Bromobenzene	Ave	0.6819	0.7173		5.26	5.00	5.2	30.0
trans-1,4-Dichloro-2-butene	Ave	5.692	5.872		25.8	25.0	3.2	30.0
1,2,3-Trichloropropane	Ave	0.1223	0.1223		5.00	5.00	0.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Lab Sample ID: ICV 410-431955/21 Calibration Date: 10/17/2023 10:24

Instrument ID: 19094 Calib Start Date: 10/17/2023 07:43

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/17/2023 09:43

Lab File ID: HO16X20.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	3.233	3.589		5.55	5.00	11.0	30.0
2-Chlorotoluene	Ave	0.6769	0.7271		5.37	5.00	7.4	30.0
1,3,5-Trimethylbenzene	Ave	2.342	2.527		5.39	5.00	7.9	30.0
4-Chlorotoluene	Ave	0.6915	0.7363		5.32	5.00	6.5	30.0
tert-Butylbenzene	Ave	0.5347	0.5660		5.29	5.00	5.9	30.0
Pentachloroethane	Ave	0.4360	0.4490		5.15	5.00	3.0	30.0
1,2,4-Trimethylbenzene	Ave	2.368	2.507		5.29	5.00	5.8	30.0
sec-Butylbenzene	Ave	2.853	3.129		5.48	5.00	9.7	30.0
1,3-Dichlorobenzene	Ave	1.307	1.383	0.6000	5.29	5.00	5.8	30.0
p-Isopropyltoluene	Ave	2.513	2.689		5.35	5.00	7.0	30.0
1,4-Dichlorobenzene	Ave	1.319	1.380	0.5000	5.23	5.00	4.7	30.0
1,2,3-Trimethylbenzene	Ave	1.057	1.052		4.98	5.00	-0.4	30.0
Benzyl chloride	Ave	0.1911	0.1856		4.86	5.00	-2.9	30.0
n-Butylbenzene	Ave	1.140	1.243		5.45	5.00	9.0	30.0
1,2-Dichlorobenzene	Ave	1.174	1.241	0.4000	5.28	5.00	5.7	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0605	0.0598	0.0500	4.94	5.00	-1.2	30.0
1,3,5-Trichlorobenzene	Ave	0.8812	0.9410		5.34	5.00	6.8	30.0
1,2,4-Trichlorobenzene	Ave	0.6818	0.7369	0.2000	5.40	5.00	8.1	30.0
Hexachlorobutadiene	Ave	0.2642	0.3058		5.79	5.00	15.7	30.0
Naphthalene	Ave	1.082	1.126		5.20	5.00	4.1	30.0
1,2,3-Trichlorobenzene	Ave	0.4850	0.5067		5.22	5.00	4.5	30.0
Dibromofluoromethane (Surr)	Ave	0.2534	0.2532		9.99	10.0	-0.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0478	0.0476		9.96	10.0	-0.4	30.0
Toluene-d8 (Surr)	Ave	1.322	1.324		10.0	10.0	0.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4949	0.4927		9.96	10.0	-0.4	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X20.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 17-Oct-2023 10:24:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-021
Operator ID: GAW91131 Instrument ID: 19094
Sublist:

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:29:23 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 12:28:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.867	1.873	-0.006	99	281793	5.00	5.26	M
5 Chloromethane	50	2.056	2.056	0.000	99	289532	5.00	4.92	
6 Vinyl chloride	62	2.166	2.172	-0.006	97	285332	5.00	5.06	
7 Butadiene	39	2.172	2.178	-0.006	92	254346	5.00	4.15	
9 Bromomethane	94	2.483	2.483	0.000	91	205011	5.00	5.10	
10 Chloroethane	64	2.562	2.562	0.000	100	171704	5.00	5.27	
11 Dichlorofluoromethane	67	2.788	2.788	0.000	97	423069	5.00	4.70	
12 Trichlorofluoromethane	101	2.855	2.855	0.000	98	351283	5.00	5.20	
14 Ethyl ether	59	3.074	3.080	-0.006	93	136894	5.01	4.39	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.153	3.160	-0.007	93	254396	5.00	5.25	
16 Acrolein	56	3.239	3.239	0.000	98	144122	37.5	36.1	
17 1,1-Dichloroethene	96	3.367	3.373	-0.006	97	194308	5.00	5.13	
19 Acetone	43	3.385	3.391	-0.006	99	300221	62.5	60.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.422	3.416	0.006	91	171154	5.00	4.91	
21 Iodomethane	142	3.556	3.556	0.000	99	375410	5.00	5.01	
22 Ethyl bromide	108	3.580	3.580	0.000	99	175823	5.06	5.18	
23 Carbon disulfide	76	3.659	3.666	-0.007	100	518885	5.00	4.92	
24 Methyl acetate	43	3.794	3.800	-0.006	99	59810	5.00	4.15	
26 3-Chloro-1-propene	41	3.818	3.818	0.000	88	302743	5.00	4.77	
* 28 t-Butyl alcohol-d10 (IS)	65	3.989	3.995	-0.006	98	81596	50.0	50.0	a
27 Methylene Chloride	84	3.989	3.995	-0.006	92	202913	5.00	5.04	
29 2-Methyl-2-propanol	59	4.117	4.111	0.006	99	68126	50.0	46.6	
31 Acrylonitrile	53	4.318	4.312	0.006	99	167645	25.0	26.0	
32 Methyl tert-butyl ether	73	4.385	4.391	-0.006	96	468434	5.00	4.90	
33 trans-1,2-Dichloroethene	96	4.397	4.397	0.000	99	220687	5.00	5.12	
34 Hexane	57	4.830	4.824	0.006	94	242160	5.00	5.18	
36 1,1-Dichloroethane	63	5.056	5.056	0.000	96	416928	5.00	5.44	
37 Isopropyl ether	45	5.116	5.123	-0.007	93	630294	5.00	4.99	
38 2-Chloro-1,3-butadiene	53	5.171	5.172	-0.001	93	356789	5.00	5.15	
40 Tert-butyl ethyl ether	59	5.659	5.665	-0.006	98	623325	5.00	5.01	
41 2-Butanone (MEK)	43	5.866	5.873	-0.007	100	545300	62.5	67.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.897	5.897	0.000	83	247321	5.00	5.12	
43 2,2-Dichloropropane	77	5.909	5.909	0.000	87	376518	5.00	5.30	
44 Propionitrile	54	5.952	5.952	0.000	97	68685	37.5	30.5	
47 Methacrylonitrile	67	6.165	6.171	-0.006	92	349222	37.5	38.9	
48 Chlorobromomethane	128	6.232	6.232	0.000	92	104886	5.00	5.43	
49 Tetrahydrofuran	71	6.250	6.257	-0.007	84	58309	25.0	22.5	
50 Chloroform	83	6.385	6.385	0.000	94	415363	5.00	5.26	
$ 52 Dibromofluoromethane (Surr)	113	6.604	6.604	0.000	94	459067	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.610	6.616	-0.006	98	392294	5.00	5.30	
54 Cyclohexane	56	6.720	6.720	0.000	91	330916	5.00	4.92	
56 Carbon tetrachloride	117	6.830	6.830	0.000	95	345094	5.00	5.57	
55 1,1-Dichloropropene	75	6.836	6.836	0.000	95	322451	5.00	5.41	
57 Isobutyl alcohol	41	6.988	6.988	0.000	94	60251	125.0	130.3	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.061	7.061	0.000	95	86278	10.0	9.96	
59 Benzene	78	7.098	7.098	0.000	97	914723	5.00	5.29	
60 1,2-Dichloroethane	62	7.171	7.171	0.000	98	259673	5.00	5.15	
63 Tert-amyl methyl ether	73	7.299	7.299	0.000	97	529971	5.00	5.03	
* 64 Fluorobenzene (IS)	96	7.506	7.513	-0.007	98	1813311	10.0	10.0	
65 n-Heptane	43	7.525	7.525	0.000	91	246126	5.00	5.34	
67 n-Butanol	56	7.896	7.891	0.006	91	91217	250.0	247.7	
68 Trichloroethene	95	7.994	8.000	-0.006	97	252455	5.00	5.17	
69 Methylcyclohexane	83	8.305	8.305	0.000	90	348543	5.00	5.27	
70 1,2-Dichloropropane	63	8.329	8.329	0.000	92	227919	5.00	5.36	
71 2-ethoxy-2-methyl butane	87	8.341	8.342	-0.001	92	327090	5.00	4.81	
72 Methyl methacrylate	69	8.421	8.421	0.000	89	93041	5.00	5.05	
73 1,4-Dioxane	88	8.427	8.433	-0.006	30	14196	125.0	243.0	M
74 Dibromomethane	93	8.439	8.439	0.000	95	109358	5.00	5.31	
76 Dichlorobromomethane	83	8.677	8.677	0.000	99	299666	5.00	5.28	
77 2-Nitropropane	41	8.939	8.939	0.000	98	32388	5.00	5.18	
79 1-Bromo-2-chloroethane	63	9.079	9.073	0.006	99	207804	5.00	4.97	
80 cis-1,3-Dichloropropene	75	9.238	9.238	0.000	94	334115	5.00	5.06	
82 4-Methyl-2-pentanone (MIBK)	43	9.421	9.421	0.000	97	1447997	62.5	63.7	
$ 83 Toluene-d8 (Surr)	98	9.561	9.561	0.000	94	1824041	10.0	10.0	
84 Toluene	92	9.634	9.640	-0.006	98	604875	5.00	5.31	
85 trans-1,3-Dichloropropene	75	9.902	9.902	0.000	96	284830	5.00	5.21	
104 Ethyl methacrylate	69	9.975	9.975	0.000	88	205230	5.00	5.06	
106 1,1,2-Trichloroethane	97	10.109	10.116	-0.007	92	148735	5.00	5.19	
107 Tetrachloroethene	166	10.201	10.201	0.000	97	294991	5.00	5.43	
108 1,3-Dichloropropane	76	10.280	10.280	0.000	92	255678	5.00	5.21	
109 2-Hexanone	43	10.335	10.335	0.000	97	984964	62.5	65.0	
111 Chlorodibromomethane	129	10.500	10.500	0.000	90	204186	5.00	5.34	
112 Ethylene Dibromide	107	10.609	10.609	0.000	98	143769	5.00	5.20	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	86	1377945	10.0	10.0	
114 1-Chlorohexane	91	11.060	11.061	-0.001	98	321787	5.00	4.95	
115 Chlorobenzene	112	11.073	11.073	0.000	94	663350	5.00	5.35	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	96	243342	5.00	5.38	
117 Ethylbenzene	91	11.164	11.164	0.000	99	1190220	5.00	5.37	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	922941	10.0	10.8	
120 o-Xylene	106	11.609	11.609	0.000	97	446021	5.00	5.31	
121 Styrene	104	11.627	11.628	-0.001	95	729846	5.00	5.38	
122 Bromoform	173	11.786	11.786	0.000	97	122468	5.00	5.09	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	1198581	5.00	5.82	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	92	678943	10.0	9.96	
127 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	94	174955	5.00	4.91	
128 Bromobenzene	156	12.176	12.176	0.000	95	279242	5.00	5.26	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	94	239576	25.0	25.8	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	84	47611	5.00	5.00	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	1397416	5.00	5.55	
132 2-Chlorotoluene	126	12.322	12.323	-0.001	96	283058	5.00	5.37	
133 1,3,5-Trimethylbenzene	105	12.383	12.384	-0.001	95	983656	5.00	5.39	
134 4-Chlorotoluene	126	12.414	12.414	0.000	98	286675	5.00	5.32	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	220344	5.00	5.29	
136 Pentachloroethane	167	12.658	12.658	0.000	93	174811	5.00	5.15	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	975862	5.00	5.29	
138 sec-Butylbenzene	105	12.792	12.792	0.000	94	1218095	5.00	5.48	
139 1,3-Dichlorobenzene	146	12.889	12.890	-0.001	98	538458	5.00	5.29	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	97	1046826	5.00	5.35	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	778640	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	94	537394	5.00	5.23	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	99	409517	5.00	4.98	
144 Benzyl chloride	126	13.042	13.042	0.000	99	72265	5.00	4.86	
145 p-Diethylbenzene	119	13.170	13.170	0.000	96	617989	5.00	5.44	
146 n-Butylbenzene	92	13.194	13.194	0.000	98	483817	5.00	5.45	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	482970	5.00	5.28	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	86	23267	5.00	4.94	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	98	366369	5.00	5.34	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	286873	5.00	5.40	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	95	119044	5.00	5.79	
153 Naphthalene	128	14.499	14.493	0.006	97	438410	5.00	5.20	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	197249	5.00	5.22	
157 Pentane	43		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_LCS_VOC#1_00134	Amount Added:	12.50	Units: uL	
MSV_LCS_Penta_00033	Amount Added:	12.50	Units: uL	
MSV_QC_Gas826_00164	Amount Added:	12.50	Units: uL	
MSV_LCS_EE_00007	Amount Added:	12.50	Units: uL	
LCS_ETBR_00006	Amount Added:	12.50	Units: uL	
MSV_LCS_ACROL_00135	Amount Added:	12.50	Units: uL	
MSV_LLcentISS_00009	Amount Added:	5.00	Units: uL	Run Reagent

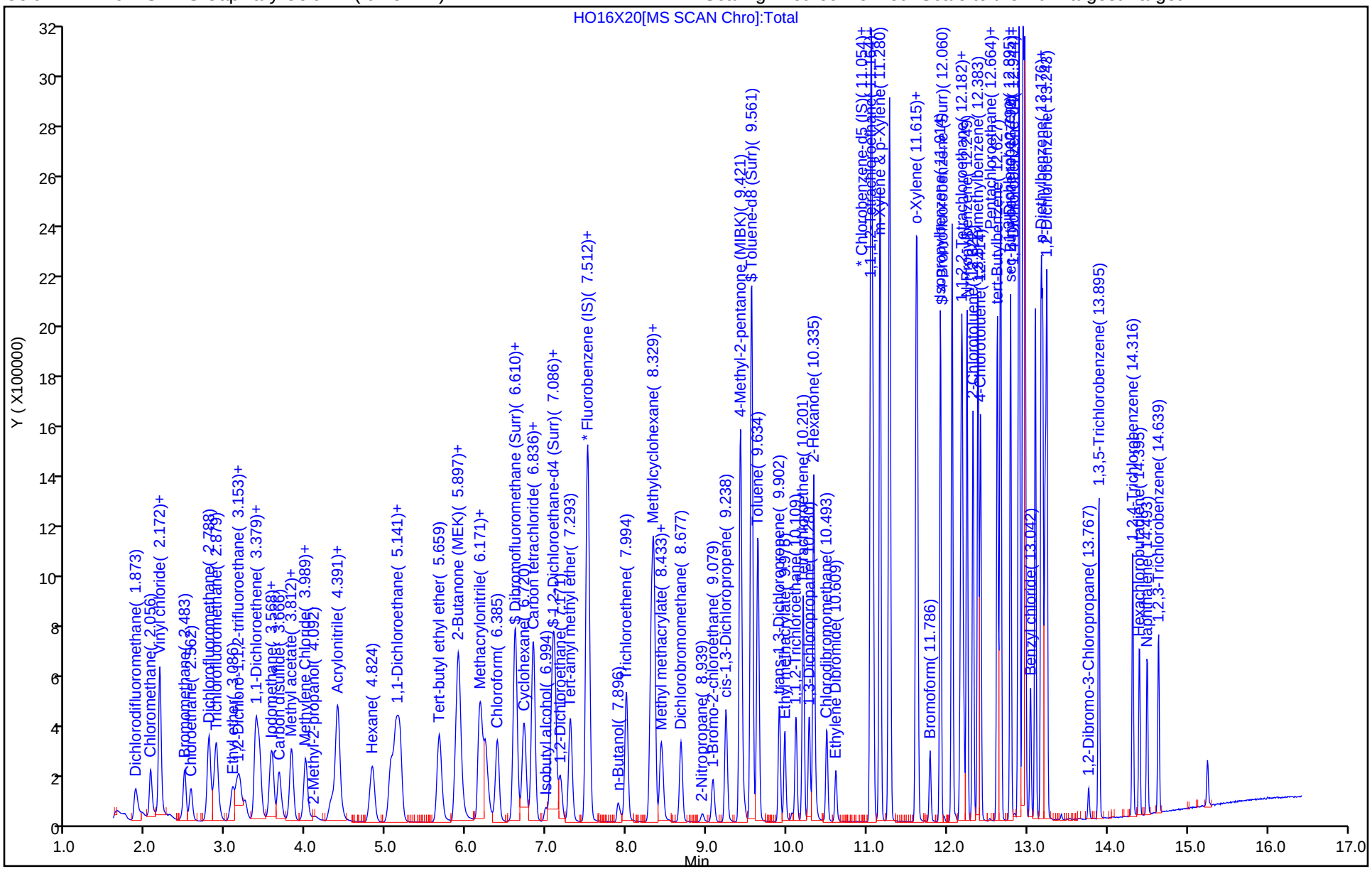
Report Date: 20-Oct-2023 13:29:48 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X20.D

Injection Date:	17-Oct-2023 10:24:30	Instrument ID:	19094	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_19094_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: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

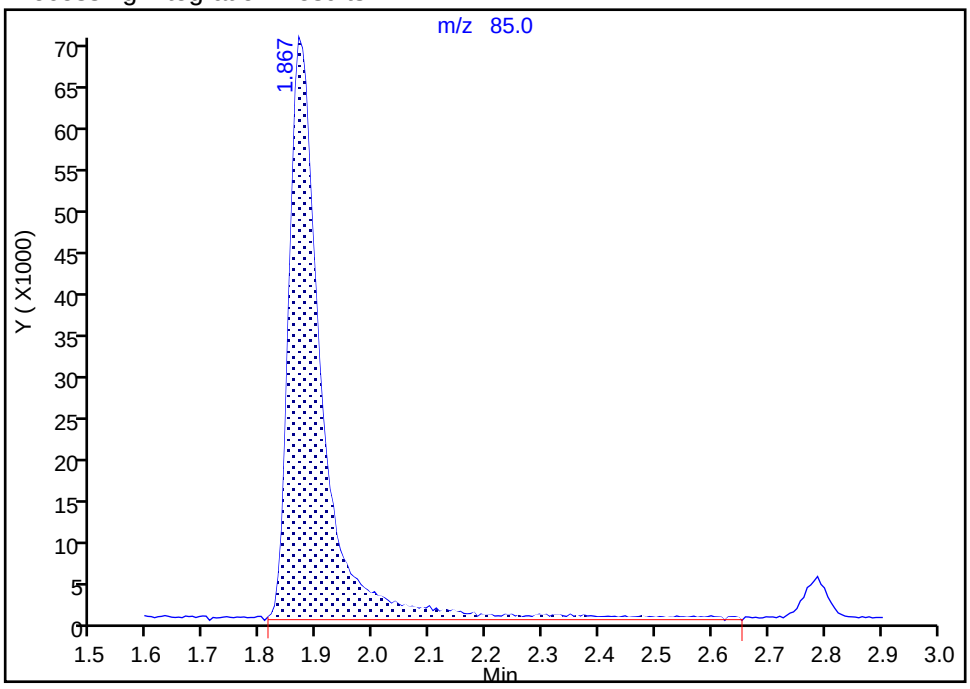
Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X20.D
Injection Date: 17-Oct-2023 10:24:30 Instrument ID: 19094
Lims ID: ICV
Client ID:
Operator ID: GAW91131 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

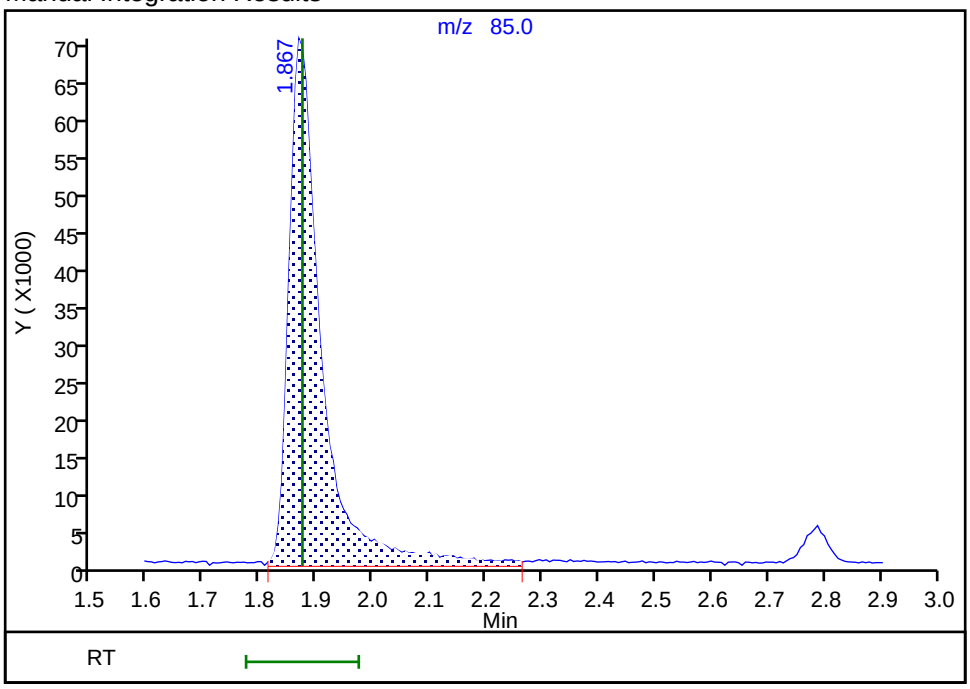
Processing Integration Results

RT: 1.87
Area: 292653
Amount: 5.484982
Amount Units: ug/l



Manual Integration Results

RT: 1.87
Area: 281793
Amount: 5.258267
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:41:37 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

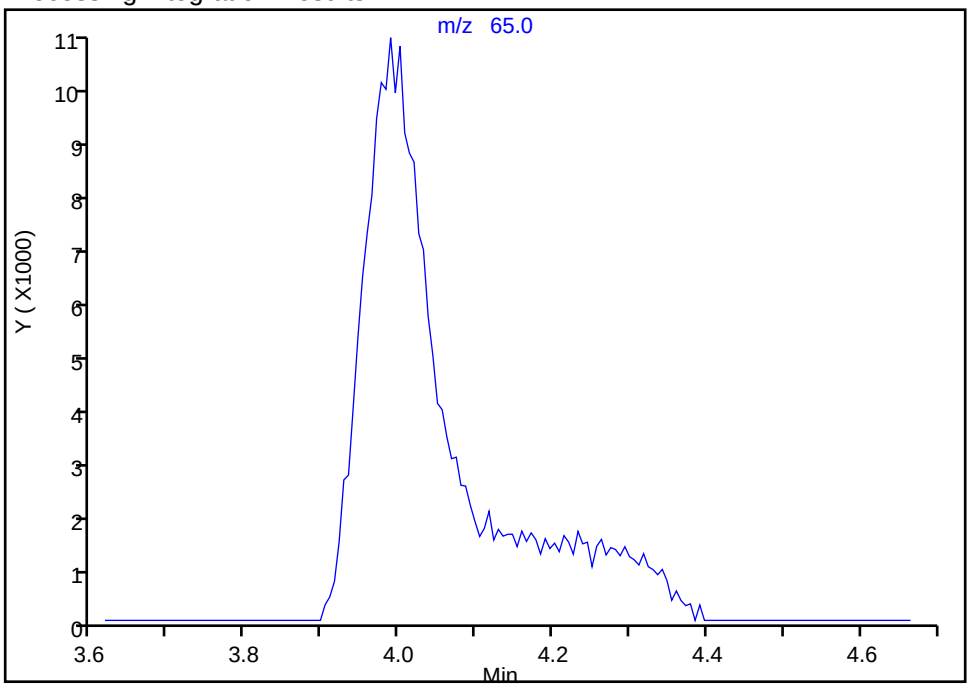
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X20.D				
Injection Date:	17-Oct-2023 10:24:30	Instrument ID:	19094		
Lims ID:	ICV				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 28 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

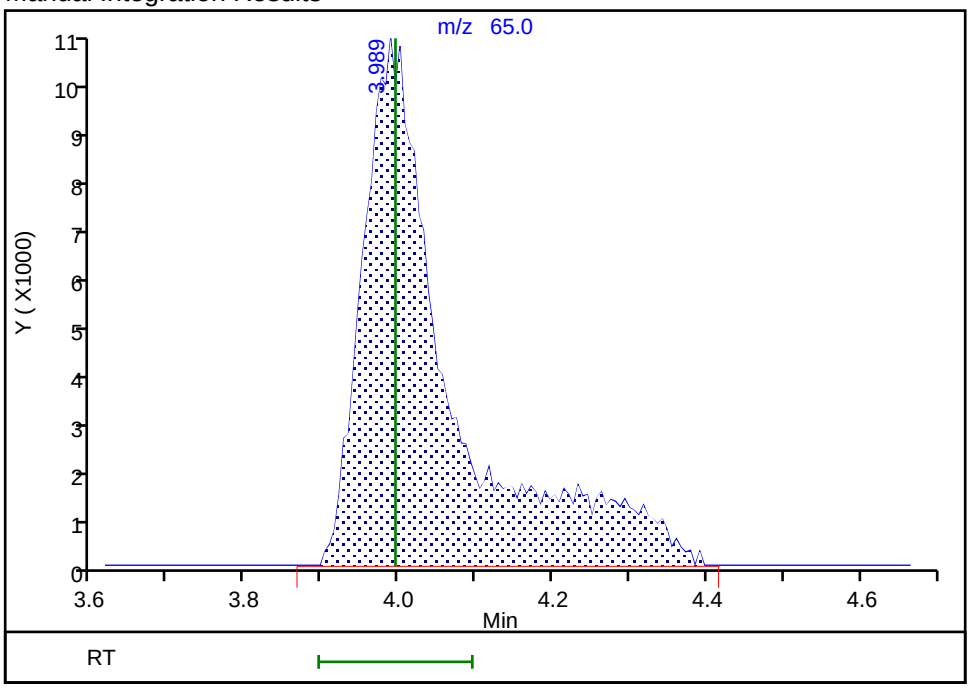
Not Detected
Expected RT: 3.99

Processing Integration Results



Manual Integration Results

RT: 3.99
Area: 81596
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:41:28 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

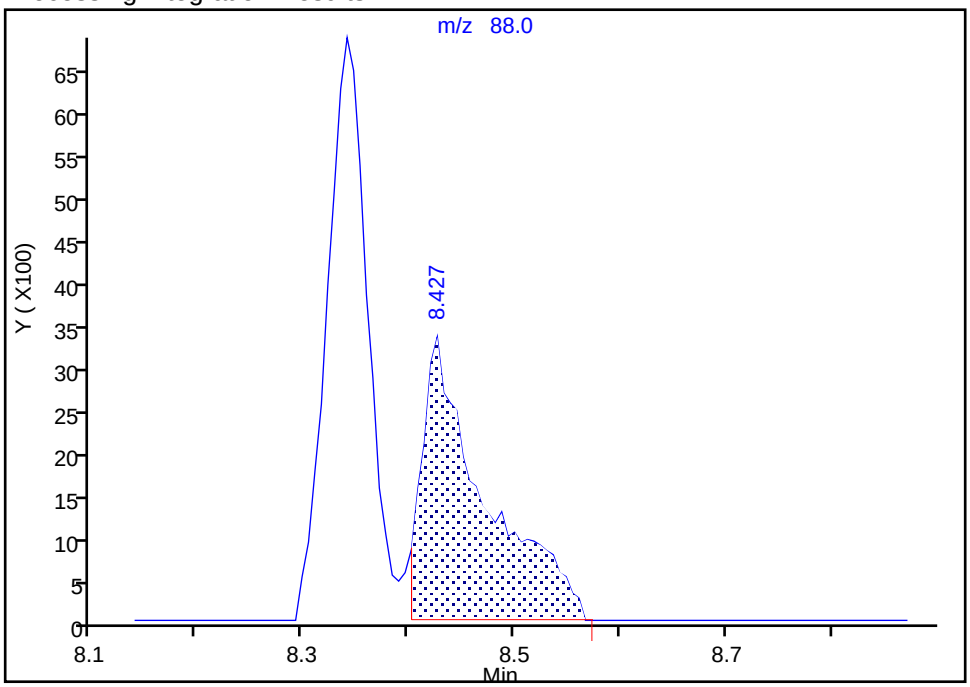
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X20.D				
Injection Date:	17-Oct-2023 10:24:30	Instrument ID:	19094		
Lims ID:	ICV				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

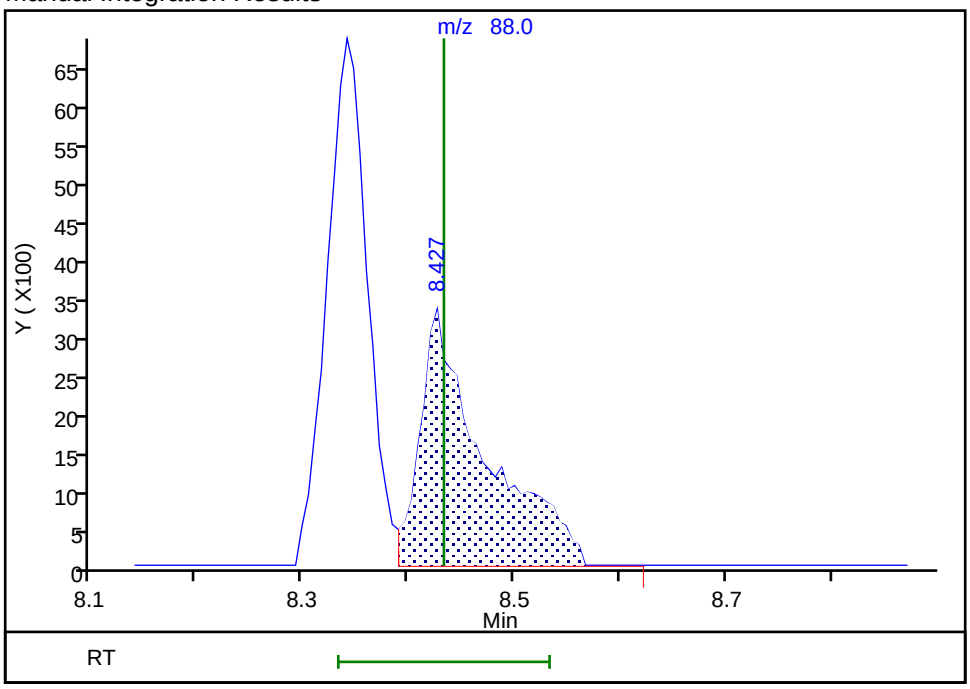
Processing Integration Results

RT: 8.43
Area: 13820
Amount: 238.3408
Amount Units: ug/l



Manual Integration Results

RT: 8.43
Area: 14196
Amount: 242.9875
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:42:35 -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.: 410-169938-1

SDG No.:

Lab Sample ID: CCVIS 410-503852/3 Calibration Date: 05/08/2024 20:44

Instrument ID: 19094 Calib Start Date: 10/17/2023 07:43

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/17/2023 09:43

Lab File ID: HY08X02.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	0.2955	0.2577	0.1000	8.72	10.0	-12.8	20.0
Chloromethane	Ave	0.3245	0.2915	0.1000	8.98	10.0	-10.2	20.0
Vinyl chloride	Ave	0.3113	0.2748	0.1000	8.83	10.0	-11.7	20.0
1,3-Butadiene	Ave	0.3376	0.2977		8.82	10.0	-11.8	20.0
Bromomethane	Ave	0.2216	0.2135	0.1000	9.63	10.0	-3.7	20.0
Chloroethane	Ave	0.1797	0.1868	0.1000	10.4	10.0	3.9	20.0
Dichlorofluoromethane	Ave	0.4969	0.4683		9.43	10.0	-5.7	20.0
Trichlorofluoromethane	Ave	0.3725	0.3545	0.1000	9.52	10.0	-4.8	20.0
Freon 123a	Ave	0.2673	0.2730		10.2	10.0	2.1	20.0
Acrolein	Ave	2.449	0.5728		117	501	-76.6*	20.0
1,1-Dichloroethene	Ave	0.2090	0.2043	0.1000	9.77	10.0	-2.3	20.0
Acetone	Ave	3.026	3.563	0.1000	118	100	17.8	20.0
Freon 113	Ave	0.1923	0.2077	0.1000	10.8	10.0	8.0	20.0
Methyl iodide	Ave	0.4129	0.4017		9.73	10.0	-2.7	20.0
Carbon disulfide	Ave	0.5820	0.6442	0.1000	11.1	10.0	10.7	20.0
Methyl acetate	Ave	8.821	9.600	0.1000	10.9	10.0	8.8	20.0
Allyl chloride	Ave	0.3497	0.3677		10.5	10.0	5.1	20.0
Methylene Chloride	Ave	0.2218	0.2345	0.1000	10.6	10.0	5.7	20.0
t-Butyl alcohol	Ave	0.8959	0.6582		147	200	-26.5*	20.0
Acrylonitrile	Ave	3.950	5.333		33.8	25.0	35.0*	20.0
Methyl tert-butyl ether	Ave	0.5270	0.5165	0.1000	9.80	10.0	-2.0	20.0
trans-1,2-Dichloroethene	Ave	0.2375	0.2367	0.1000	9.97	10.0	-0.3	20.0
n-Hexane	Ave	0.2577	0.3205		12.4	10.0	24.4*	20.0
1,1-Dichloroethane	Ave	0.4229	0.4872	0.2000	11.5	10.0	15.2	20.0
di-Isopropyl ether	Ave	0.6967	0.8007		11.5	10.0	14.9	20.0
2-Chloro-1,3-butadiene	Ave	0.3824	0.3932		10.3	10.0	2.8	20.0
Ethyl t-butyl ether	Ave	0.6856	0.6889		10.0	10.0	0.5	20.0
2-Butanone (MEK)	Ave	4.948	7.292	0.1000	147	100	47.4*	20.0
cis-1,2-Dichloroethene	Ave	0.2665	0.2812	0.1000	10.6	10.0	5.5	20.0
2,2-Dichloropropane	Ave	0.3921	0.4010		10.2	10.0	2.3	20.0
Propionitrile	Ave	1.378	2.183		317	200	58.4*	20.0
Methacrylonitrile	Ave	5.500	8.325		151	100	51.3*	20.0
Bromochloromethane	Ave	0.1065	0.1223		11.5	10.0	14.9	20.0
Tetrahydrofuran	Ave	1.587	2.132		67.1	50.0	34.3*	20.0
Chloroform	Ave	0.4355	0.4947	0.2000	11.4	10.0	13.6	20.0
1,1,1-Trichloroethane	Ave	0.4085	0.4136	0.1000	10.1	10.0	1.3	20.0
Cyclohexane	Ave	0.3708	0.4231	0.1000	11.4	10.0	14.1	20.0
1,1-Dichloropropene	Ave	0.3288	0.3747		11.4	10.0	13.9	20.0
Carbon tetrachloride	Ave	0.3419	0.3619	0.1000	10.6	10.0	5.8	20.0
Isobutyl alcohol	Ave	0.2834	0.3256		574	500	14.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Lab Sample ID: CCVIS 410-503852/3 Calibration Date: 05/08/2024 20:44

Instrument ID: 19094 Calib Start Date: 10/17/2023 07:43

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/17/2023 09:43

Lab File ID: HY08X02.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
Benzene	Ave	0.9541	1.117	0.5000	11.7	10.0	17.0	20.0
1,2-Dichloroethane	Ave	0.2779	0.2918	0.1000	10.5	10.0	5.0	20.0
t-Amyl methyl ether	Ave	0.5813	0.6096		10.5	10.0	4.9	20.0
n-Heptane	Ave	0.2544	0.3087		12.1	10.0	21.4*	20.0
n-Butanol	Ave	0.2257	0.3654		1420	875	61.9*	20.0
Trichloroethene	Ave	0.2692	0.2828	0.2000	10.5	10.0	5.0	20.0
Methylcyclohexane	Ave	0.3647	0.4029	0.1000	11.0	10.0	10.5	20.0
1,2-Dichloropropane	Ave	0.2347	0.2988	0.1000	12.7	10.0	27.3*	20.0
Methyl methacrylate	Ave	11.30	16.15		14.3	10.0	43.0*	20.0
1,4-Dioxane	Lin2		0.0668	0.0050	872	500	74.5*	20.0
Dibromomethane	Ave	0.1137	0.1326		11.7	10.0	16.7	20.0
Bromodichloromethane	Ave	0.3129	0.3593	0.2000	11.5	10.0	14.8	20.0
2-Nitropropane	Ave	3.830	4.683		61.1	50.0	22.3*	20.0
cis-1,3-Dichloropropene	Ave	0.3641	0.4219	0.2000	11.6	10.0	15.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	13.94	20.18	0.1000	145	100	44.8*	20.0
Toluene	Ave	0.8259	0.9243	0.4000	11.2	10.0	11.9	20.0
trans-1,3-Dichloropropene	Ave	0.3969	0.4474	0.1000	11.3	10.0	12.7	20.0
Ethyl methacrylate	Ave	0.2946	0.3284		11.1	10.0	11.5	20.0
1,1,2-Trichloroethane	Ave	0.2079	0.2451	0.1000	11.8	10.0	17.9	20.0
Tetrachloroethene	Ave	0.3946	0.4177	0.2000	10.6	10.0	5.9	20.0
1,3-Dichloropropane	Ave	0.3562	0.4307		12.1	10.0	20.9*	20.0
2-Hexanone	Ave	9.279	13.58	0.1000	146	100	46.4*	20.0
Dibromochloromethane	Ave	0.2773	0.3152		11.4	10.0	13.7	20.0
1,2-Dibromoethane (EDB)	Ave	0.2005	0.2274	0.1000	11.3	10.0	13.4	20.0
1-Chlorohexane	Ave	0.4716	0.4952		10.5	10.0	5.0	20.0
Chlorobenzene	Ave	0.9001	1.026	0.5000	11.4	10.0	14.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3281	0.3492		10.6	10.0	6.4	20.0
Ethylbenzene	Ave	1.609	1.749	0.1000	10.9	10.0	8.7	20.0
m&p-Xylene	Ave	0.6214	0.7000	0.1000	22.5	20.0	12.7	20.0
o-Xylene	Ave	0.6094	0.6565	0.3000	10.8	10.0	7.7	20.0
Styrene	Ave	0.9854	1.112	0.3000	11.3	10.0	12.9	20.0
Bromoform	Ave	0.1748	0.1836	0.1000	10.5	10.0	5.1	20.0
Isopropylbenzene	Ave	1.495	1.586	0.1000	10.6	10.0	6.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.4576	0.5025	0.3000	11.0	10.0	9.8	20.0
Bromobenzene	Ave	0.6819	0.7535		11.0	10.0	10.5	20.0
trans-1,4-Dichloro-2-butene	Ave	5.692	7.330		129	100	28.8*	20.0
1,2,3-Trichloropropane	Ave	0.1223	0.1331		10.9	10.0	8.8	20.0
N-Propylbenzene	Ave	3.233	3.570		11.0	10.0	10.4	20.0
2-Chlorotoluene	Ave	0.6769	0.7214		10.7	10.0	6.6	20.0
1,3,5-Trimethylbenzene	Ave	2.342	2.476		10.6	10.0	5.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Lab Sample ID: CCVIS 410-503852/3 Calibration Date: 05/08/2024 20:44

Instrument ID: 19094 Calib Start Date: 10/17/2023 07:43

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/17/2023 09:43

Lab File ID: HY08X02.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
4-Chlorotoluene	Ave	0.6915	0.7602		11.0	10.0	9.9	20.0
tert-Butylbenzene	Ave	0.5347	0.5154		9.64	10.0	-3.6	20.0
1,2,4-Trimethylbenzene	Ave	2.368	2.557		10.8	10.0	8.0	20.0
sec-Butylbenzene	Ave	2.853	3.083		10.8	10.0	8.0	20.0
1,3-Dichlorobenzene	Ave	1.307	1.456	0.6000	11.1	10.0	11.4	20.0
p-Isopropyltoluene	Ave	2.513	2.703		10.8	10.0	7.5	20.0
1,4-Dichlorobenzene	Ave	1.319	1.482	0.5000	11.2	10.0	12.4	20.0
1,2,3-Trimethylbenzene	Ave	1.057	1.139		10.8	10.0	7.8	20.0
Benzyl chloride	Ave	0.1911	0.2213		11.6	10.0	15.8	20.0
n-Butylbenzene	Ave	1.140	1.290		11.3	10.0	13.2	20.0
1,2-Dichlorobenzene	Ave	1.174	1.352	0.4000	11.5	10.0	15.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0605	0.0669	0.0500	11.1	10.0	10.6	20.0
1,3,5-Trichlorobenzene	Ave	0.8812	0.9941		11.3	10.0	12.8	20.0
1,2,4-Trichlorobenzene	Ave	0.6818	0.7862	0.2000	11.5	10.0	15.3	20.0
Hexachlorobutadiene	Ave	0.2642	0.2819		10.7	10.0	6.7	20.0
Naphthalene	Ave	1.082	1.351		12.5	10.0	24.9*	20.0
1,2,3-Trichlorobenzene	Ave	0.4850	0.6335		13.1	10.0	30.6*	20.0
Dibromofluoromethane (Surr)	Ave	0.2534	0.2534		10.0	10.0	0.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0478	0.0507		10.6	10.0	6.1	20.0
Toluene-d8 (Surr)	Ave	1.322	1.342		10.2	10.0	1.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4949	0.4846		9.79	10.0	-2.1	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X02.D
Lims ID: CCVIS VSTD10
Client ID:
Sample Type: CCVIS
Inject. Date: 08-May-2024 20:44:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113421-003
Misc. Info.: CCVIS
Operator ID: gaw91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub64

Method: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 08-May-2024 22:32:38 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1686

First Level Reviewer: JS6E Date: 08-May-2024 21:30:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.873	1.873	0.000	99	439915	10.0	8.72	
5 Chloromethane	50	2.062	2.062	0.000	99	497595	10.0	8.98	
6 Vinyl chloride	62	2.166	2.166	0.000	98	469182	10.0	8.83	
7 Butadiene	39	2.184	2.184	0.000	91	508237	10.0	8.82	
9 Bromomethane	94	2.489	2.489	0.000	91	364411	10.0	9.63	
10 Chloroethane	64	2.562	2.562	0.000	100	318838	10.0	10.4	
11 Dichlorofluoromethane	67	2.788	2.788	0.000	97	799534	10.0	9.43	
12 Trichlorofluoromethane	101	2.855	2.855	0.000	97	605291	10.0	9.52	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.154	3.154	0.000	93	466015	10.0	10.2	
16 Acrolein	56	3.251	3.251	0.000	97	375657	501.1	117.2	
17 1,1-Dichloroethene	96	3.373	3.373	0.000	97	348842	10.0	9.77	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.404	3.404	0.000	92	354543	10.0	10.8	
19 Acetone	43	3.404	3.404	0.000	67	466360	100.0	117.8	
21 Iodomethane	142	3.556	3.556	0.000	99	685772	10.0	9.73	
23 Carbon disulfide	76	3.660	3.660	0.000	99	1099817	10.0	11.1	
24 Methyl acetate	43	3.806	3.806	0.000	94	125641	10.0	10.9	M
26 3-Chloro-1-propene	41	3.818	3.818	0.000	93	627669	10.0	10.5	
27 Methylene Chloride	84	3.989	3.989	0.000	94	400406	10.0	10.6	
* 28 t-Butyl alcohol-d10 (IS)	65	4.001	4.001	0.000	99	65441	50.0	50.0	
29 2-Methyl-2-propanol	59	4.105	4.105	0.000	99	172284	200.0	146.9	
31 Acrylonitrile	53	4.312	4.312	0.000	98	174511	25.0	33.8	
32 Methyl tert-butyl ether	73	4.379	4.379	0.000	97	881719	10.0	9.80	
33 trans-1,2-Dichloroethene	96	4.391	4.391	0.000	99	404162	10.0	9.97	
34 Hexane	57	4.818	4.818	0.000	93	547140	10.0	12.4	
36 1,1-Dichloroethane	63	5.050	5.050	0.000	96	831692	10.0	11.5	
37 Isopropyl ether	45	5.111	5.111	0.000	94	1366921	10.0	11.5	
38 2-Chloro-1,3-butadiene	53	5.159	5.159	0.000	91	671232	10.0	10.3	
40 Tert-butyl ethyl ether	59	5.653	5.653	0.000	98	1176187	10.0	10.0	
41 2-Butanone (MEK)	43	5.848	5.848	0.000	100	954443	100.0	147.4	
42 cis-1,2-Dichloroethene	96	5.885	5.885	0.000	83	479998	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
43 2,2-Dichloropropane	77	5.903	5.903	0.000	87	684612	10.0	10.2	
44 Propionitrile	54	5.934	5.934	0.000	99	571504	200.0	316.9	
47 Methacrylonitrile	67	6.153	6.153	0.000	92	1089577	100.0	151.3	
48 Chlorobromomethane	128	6.220	6.220	0.000	96	208843	10.0	11.5	
49 Tetrahydrofuran	71	6.238	6.238	0.000	89	139489	50.0	67.1	
50 Chloroform	83	6.379	6.379	0.000	93	844536	10.0	11.4	
$ 52 Dibromofluoromethane (Surr)	113	6.598	6.598	0.000	94	432558	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.604	6.604	0.000	98	706058	10.0	10.1	
54 Cyclohexane	56	6.714	6.714	0.000	91	722373	10.0	11.4	
56 Carbon tetrachloride	117	6.824	6.824	0.000	96	617885	10.0	10.6	
55 1,1-Dichloropropene	75	6.824	6.824	0.000	96	639695	10.0	11.4	
57 Isobutyl alcohol	41	6.970	6.970	0.000	95	213057	500.0	574.3	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.049	7.049	0.000	84	86507	10.0	10.6	
59 Benzene	78	7.086	7.086	0.000	96	1906418	10.0	11.7	
60 1,2-Dichloroethane	62	7.159	7.159	0.000	97	498093	10.0	10.5	
63 Tert-amyl methyl ether	73	7.287	7.287	0.000	98	1040692	10.0	10.5	
* 64 Fluorobenzene (IS)	96	7.494	7.494	0.000	98	1707237	10.0	10.0	
65 n-Heptane	43	7.519	7.519	0.000	88	527076	10.0	12.1	
67 n-Butanol	56	7.872	7.872	0.000	89	418459	875.0	1416.8	
68 Trichloroethene	95	7.982	7.982	0.000	98	482742	10.0	10.5	
69 Methylcyclohexane	83	8.299	8.299	0.000	92	687847	10.0	11.0	
70 1,2-Dichloropropane	63	8.311	8.311	0.000	97	510089	10.0	12.7	
71 2-ethoxy-2-methyl butane	87	8.329	8.329	0.000	93	715946	10.0	11.2	
72 Methyl methacrylate	69	8.409	8.409	0.000	91	211364	10.0	14.3	
73 1,4-Dioxane	88	8.421	8.421	0.000	34	43711	500.0	872.4	
74 Dibromomethane	93	8.427	8.427	0.000	95	226416	10.0	11.7	
76 Dichlorobromomethane	83	8.665	8.665	0.000	99	613399	10.0	11.5	
77 2-Nitropropane	41	8.933	8.933	0.000	99	306443	50.0	61.1	
80 cis-1,3-Dichloropropene	75	9.232	9.232	0.000	96	720275	10.0	11.6	
82 4-Methyl-2-pentanone (MIBK)	43	9.409	9.409	0.000	97	2641440	100.0	144.8	
$ 83 Toluene-d8 (Surr)	98	9.549	9.549	0.000	93	1720884	10.0	10.2	
84 Toluene	92	9.628	9.628	0.000	98	1185167	10.0	11.2	
85 trans-1,3-Dichloropropene	75	9.896	9.896	0.000	92	573727	10.0	11.3	
104 Ethyl methacrylate	69	9.963	9.963	0.000	89	421133	10.0	11.1	
106 1,1,2-Trichloroethane	97	10.104	10.104	0.000	90	314281	10.0	11.8	
107 Tetrachloroethene	166	10.195	10.195	0.000	98	535578	10.0	10.6	
108 1,3-Dichloropropane	76	10.274	10.274	0.000	89	552253	10.0	12.1	
109 2-Hexanone	43	10.329	10.329	0.000	97	1777679	100.0	146.4	
111 Chlorodibromomethane	129	10.494	10.494	0.000	90	404150	10.0	11.4	
112 Ethylene Dibromide	107	10.603	10.603	0.000	98	291548	10.0	11.3	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	86	1282243	10.0	10.0	
114 1-Chlorohexane	91	11.055	11.055	0.000	98	634980	10.0	10.5	
115 Chlorobenzene	112	11.073	11.073	0.000	95	1315344	10.0	11.4	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	95	447765	10.0	10.6	
117 Ethylbenzene	91	11.158	11.158	0.000	98	2242410	10.0	10.9	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	99	1795233	20.0	22.5	
120 o-Xylene	106	11.609	11.609	0.000	96	841739	10.0	10.8	
121 Styrene	104	11.628	11.628	0.000	95	1426460	10.0	11.3	
122 Bromoform	173	11.786	11.786	0.000	97	235419	10.0	10.5	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	2033326	10.0	10.6	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	92	621349	10.0	9.79	
127 1,1,2,2-Tetrachloroethane	83	12.158	12.158	0.000	92	370579	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
128 Bromobenzene	156	12.176	12.176	0.000	96	555734	10.0	11.0	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	91	959362	100.0	128.8	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	80	98157	10.0	10.9	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	2632717	10.0	11.0	
132 2-Chlorotoluene	126	12.323	12.323	0.000	97	532069	10.0	10.7	
133 1,3,5-Trimethylbenzene	105	12.384	12.384	0.000	94	1826096	10.0	10.6	
134 4-Chlorotoluene	126	12.414	12.414	0.000	97	560628	10.0	11.0	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	380116	10.0	9.64	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	1885749	10.0	10.8	
138 sec-Butylbenzene	105	12.792	12.792	0.000	94	2273592	10.0	10.8	
139 1,3-Dichlorobenzene	146	12.890	12.890	0.000	98	1074089	10.0	11.1	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	97	1993148	10.0	10.8	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	737520	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	94	1093041	10.0	11.2	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	839837	10.0	10.8	
144 Benzyl chloride	126	13.042	13.042	0.000	98	163193	10.0	11.6	
145 p-Diethylbenzene	119	13.103	13.103	0.000	92	1146286	10.0	10.7	
146 n-Butylbenzene	92	13.194	13.194	0.000	98	951726	10.0	11.3	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	99	996855	10.0	11.5	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	86	49316	10.0	11.1	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	98	733196	10.0	11.3	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	579836	10.0	11.5	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	95	207928	10.0	10.7	
153 Naphthalene	128	14.499	14.499	0.000	97	996748	10.0	12.5	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	96	467236	10.0	13.1	
157 Pentane	43		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_00128	Amount Added: 20.00	Units: uL	
MSV_LL_GAS826_00207	Amount Added: 20.00	Units: uL	
MSV_LLcentISS_00012	Amount Added: 5.00	Units: uL	Run Reagent

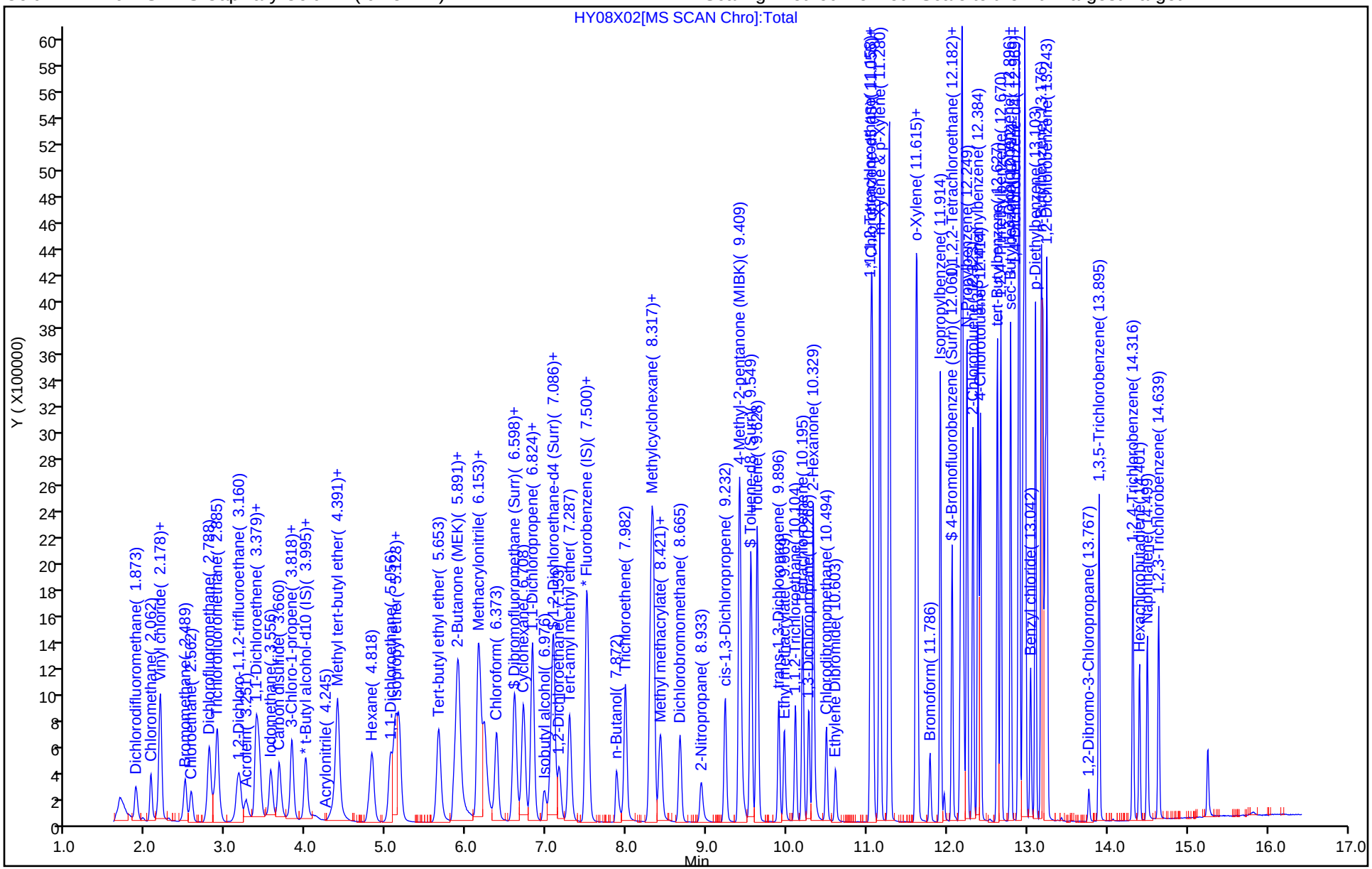
Report Date: 08-May-2024 22:32:39 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X02.D

Injection Date:	08-May-2024 20:44:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	CCVIS VSTD10			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSV_19094_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: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

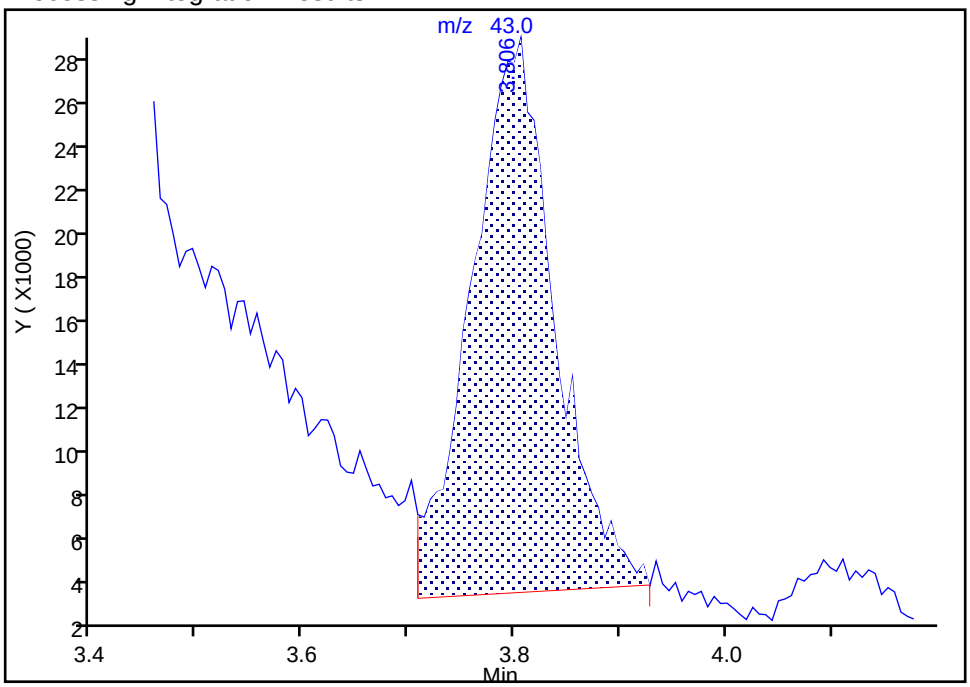
Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X02.D
Injection Date: 08-May-2024 20:44:30 Instrument ID: 19094
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

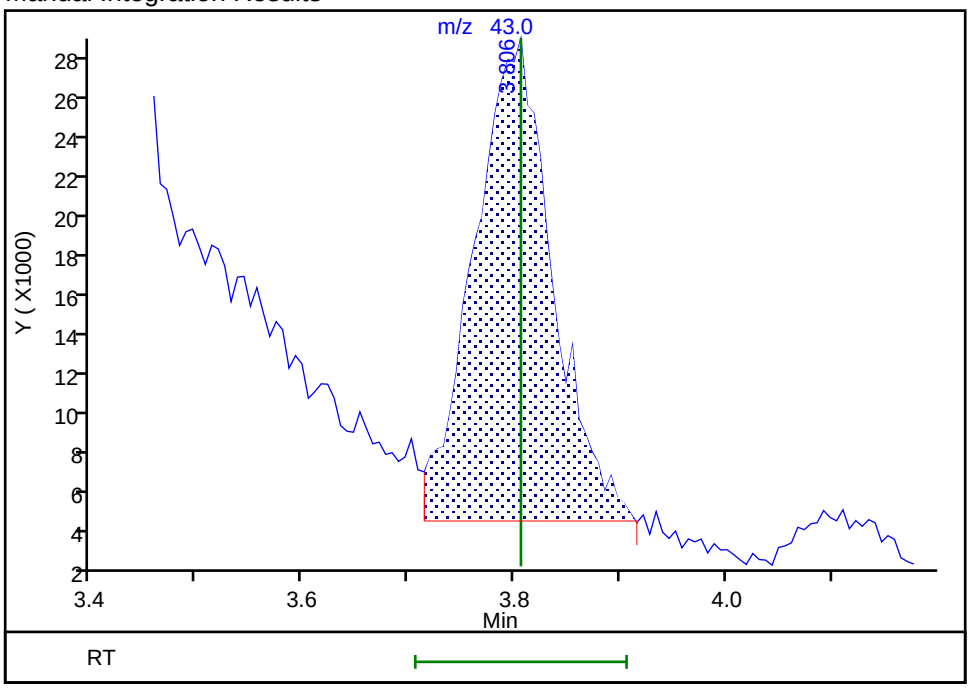
Processing Integration Results

RT: 3.81
Area: 138461
Amount: 11.993289
Amount Units: ug/l



Manual Integration Results

RT: 3.81
Area: 125641
Amount: 10.882840
Amount Units: ug/l



Reviewer: JS6E, 08-May-2024 21:21:25 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\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:

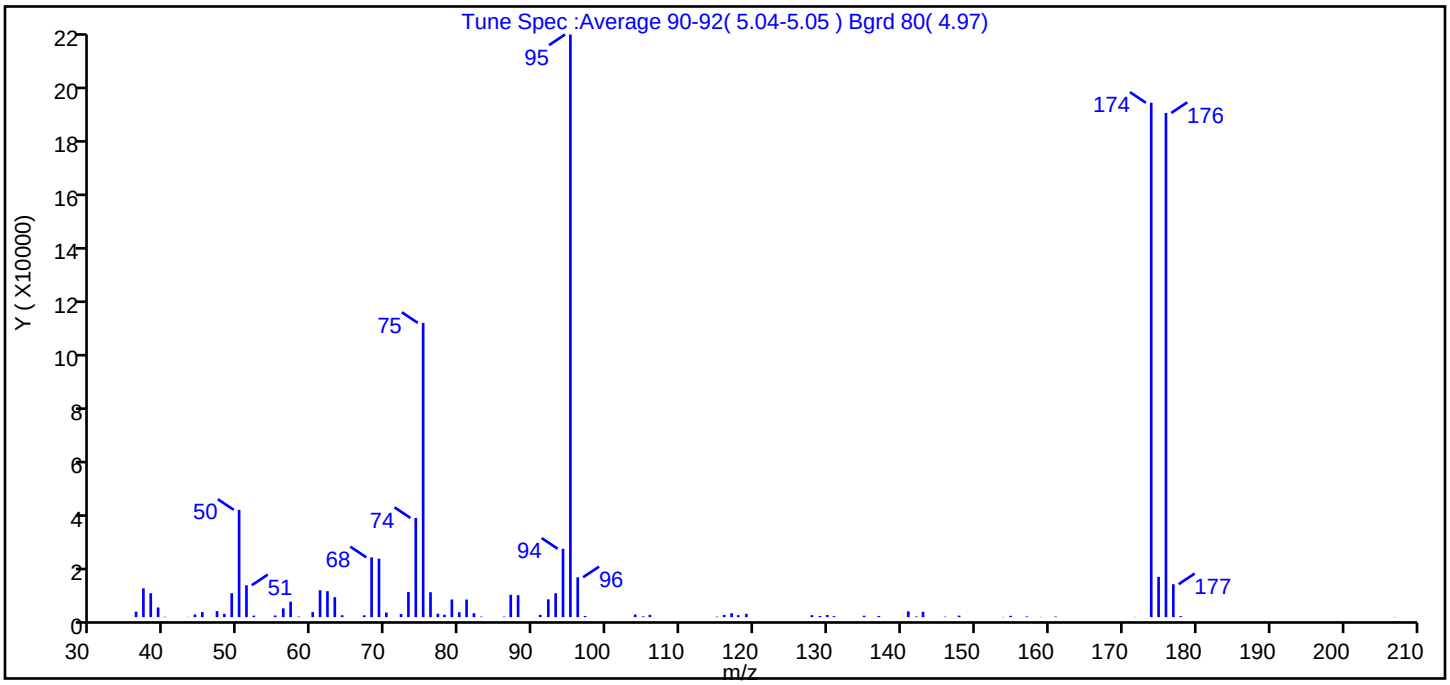
MSV_V_BFB_00016 Amount Added: 1.00 Units: uL

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

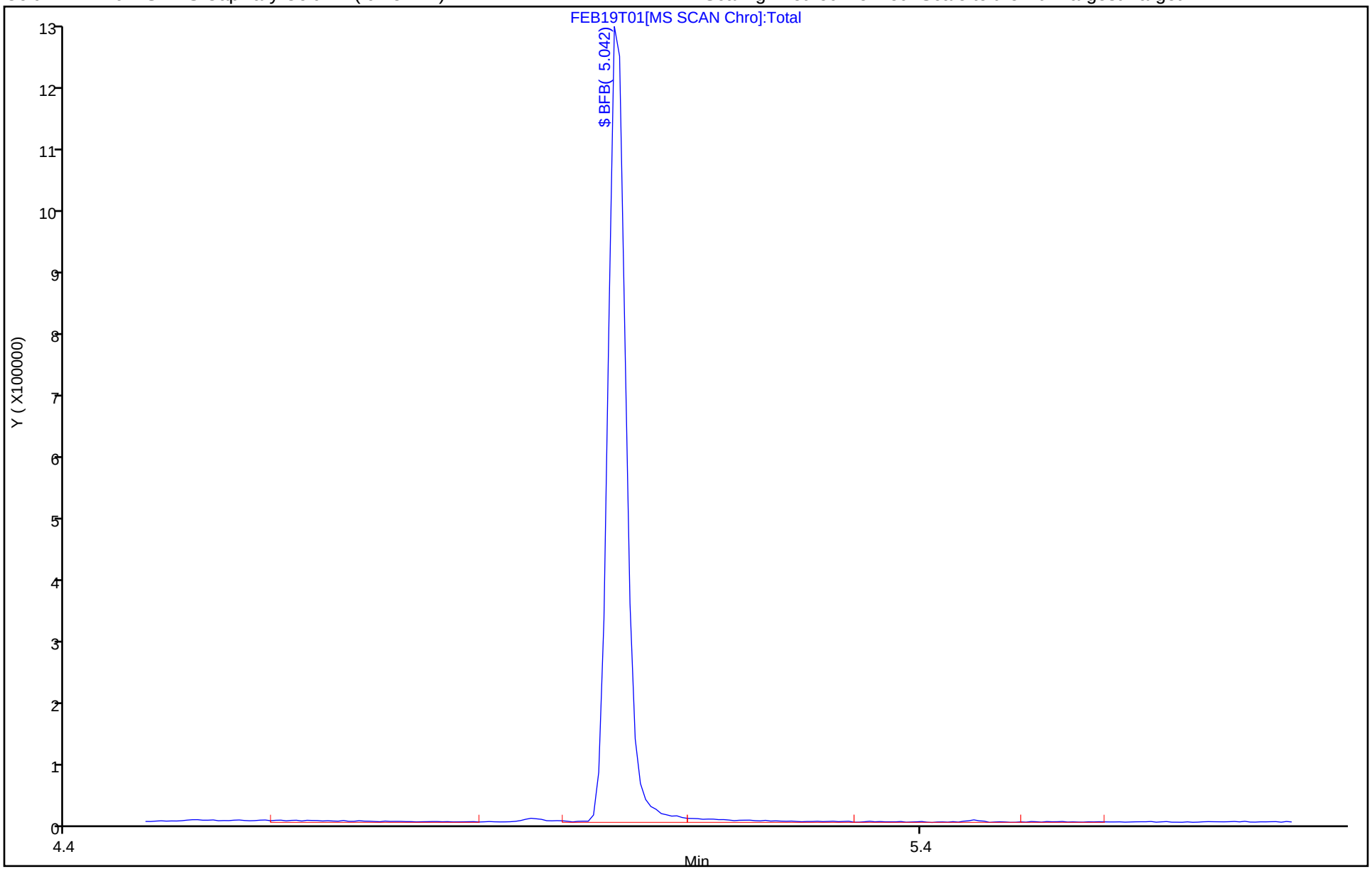
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2007	62.00	9495	87.00	8167	131.00	362
37.00	10511	63.00	7299	88.00	8028	135.00	523
38.00	8741	64.00	698	91.00	849	137.00	425
39.00	3526	67.00	682	92.00	6524	141.00	2121
40.00	134	68.00	21864	93.00	8732	142.00	266
43.00	93	69.00	21368	94.00	24992	143.00	1966
44.00	973	70.00	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\20240509-113528.b\GY09T31.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	09-May-2024 17:32:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	BFB				
Operator ID:	gaw91131	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	09-May-2024 19:43:22	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:	CTX1665				
First Level Reviewer: JS6E		Date:	09-May-2024 17:46:33		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 168 BFB	95	5.029	5.029	0.000	91	397627	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

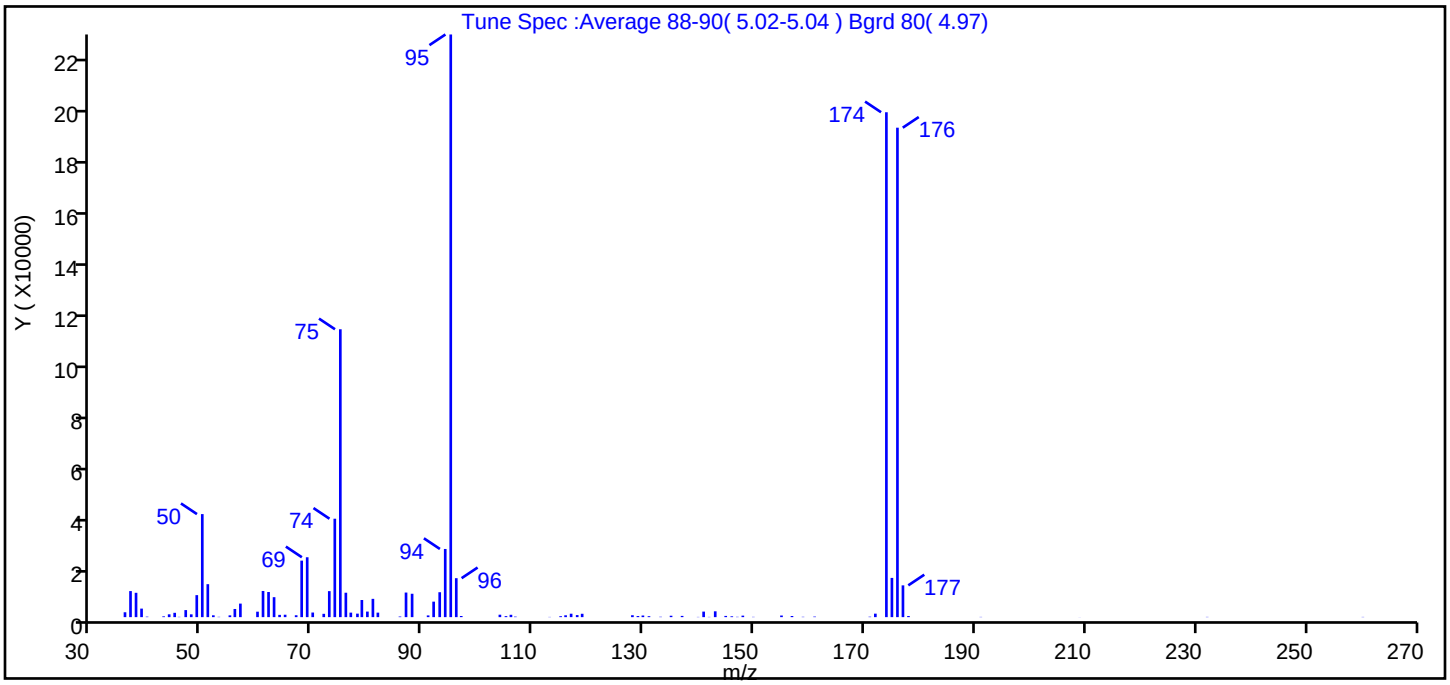
MSV_V_BFB_00016 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09T31.D				
Injection Date:	09-May-2024 17:32:30	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	17.7
75	30 to 60% of m/z 95	49.4
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	86.7
175	5 to 9% of m/z 174	6.7 (7.8)
176	Greater than 95% but less than 101% of m/z 174	84.0 (96.9)
177	5 to 9% of m/z 176	5.5 (6.5)

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09T31.D\MSV_16334_25mL.rslt\spectra.d
Injection Date: 09-May-2024 17:32:30
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: 91

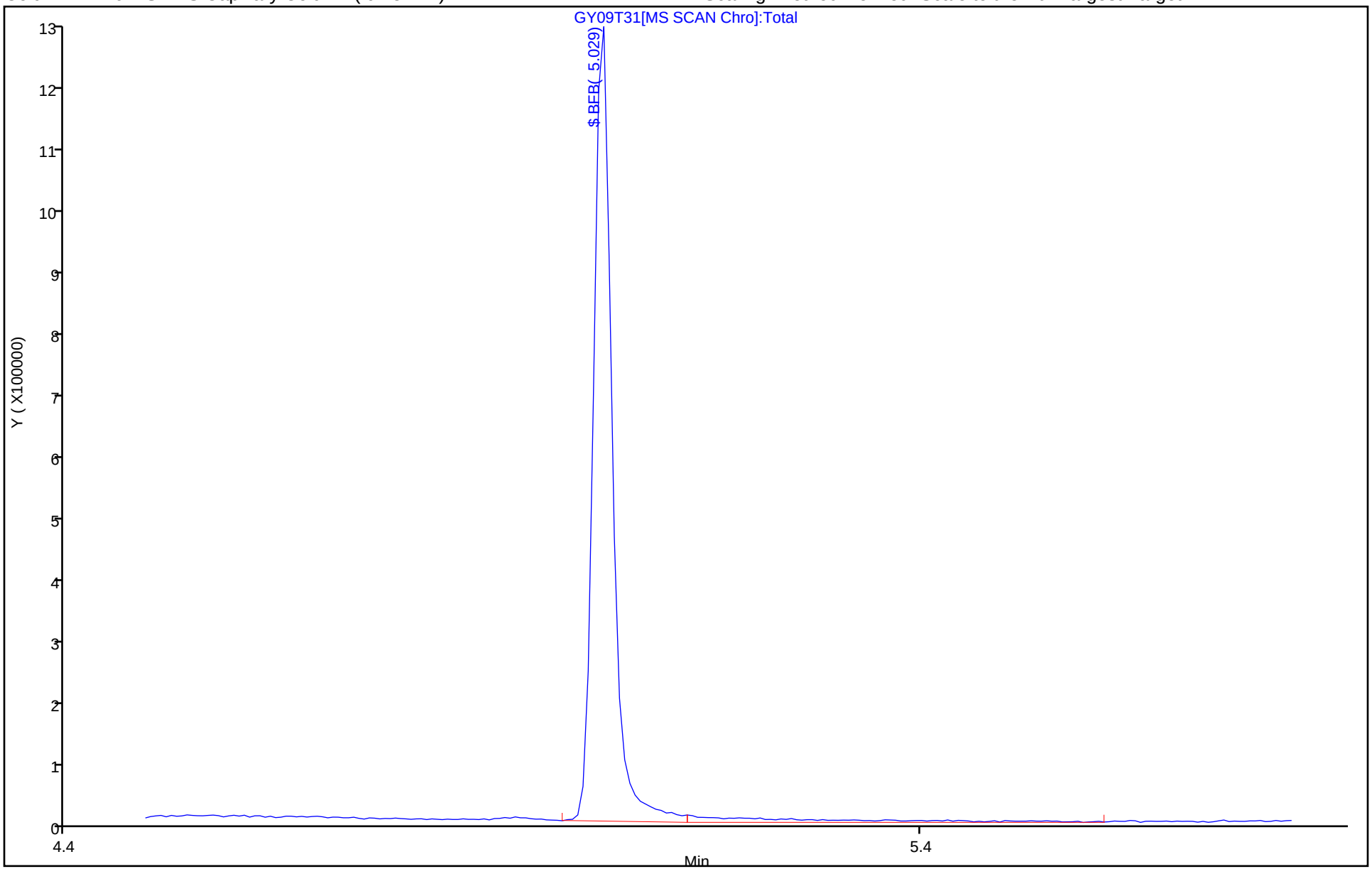
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1900	64.00	887	94.00	26536	142.00	94
37.00	10142	65.00	941	95.00	226816	143.00	2272
38.00	9479	67.00	737	96.00	15165	145.00	479
39.00	3324	68.00	22000	97.00	445	146.00	319
40.00	191	69.00	23312	104.00	950	147.00	127
43.00	307	70.00	1798	105.00	397	148.00	585
44.00	1099	72.00	1297	106.00	918	150.00	109
45.00	1685	73.00	10125	107.00	196	155.00	630
46.00	111	74.00	38312	113.00	85	157.00	444
47.00	2745	75.00	112064	115.00	363	159.00	132
48.00	1092	76.00	9506	116.00	720	161.00	212
49.00	8566	77.00	1754	117.00	1335	171.00	172
50.00	40112	78.00	1366	118.00	803	172.00	1358
51.00	12833	79.00	6670	119.00	1313	174.00	196544
52.00	715	80.00	2166	128.00	745	175.00	15275
53.00	121	81.00	7121	129.00	428	176.00	190528
55.00	693	82.00	1754	130.00	631	177.00	12373
56.00	3177	86.00	238	131.00	368	178.00	426
57.00	5271	87.00	9573	133.00	149	191.00	92
60.00	2125	88.00	9103	135.00	547	209.00	26
61.00	10181	91.00	672	137.00	486	232.00	97
62.00	9780	92.00	6033	140.00	89	260.00	88
63.00	7772	93.00	9700	141.00	2158		

Report Date: 09-May-2024 19:43:23 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09T31.D				
Injection Date:	09-May-2024 17:32:30	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\19094\20231016-96799.b\HO16T01.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	17-Oct-2023 03:41:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0096799-001				
Misc. Info.:	BFB				
Operator ID:	GAW91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	20-Oct-2023 12:53:17	Calib Date:	17-Oct-2023 09:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1675				
First Level Reviewer: JS6E		Date:	17-Oct-2023 04:00:25		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 166 BFB	95	5.081	5.081	0.000	91	322712	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

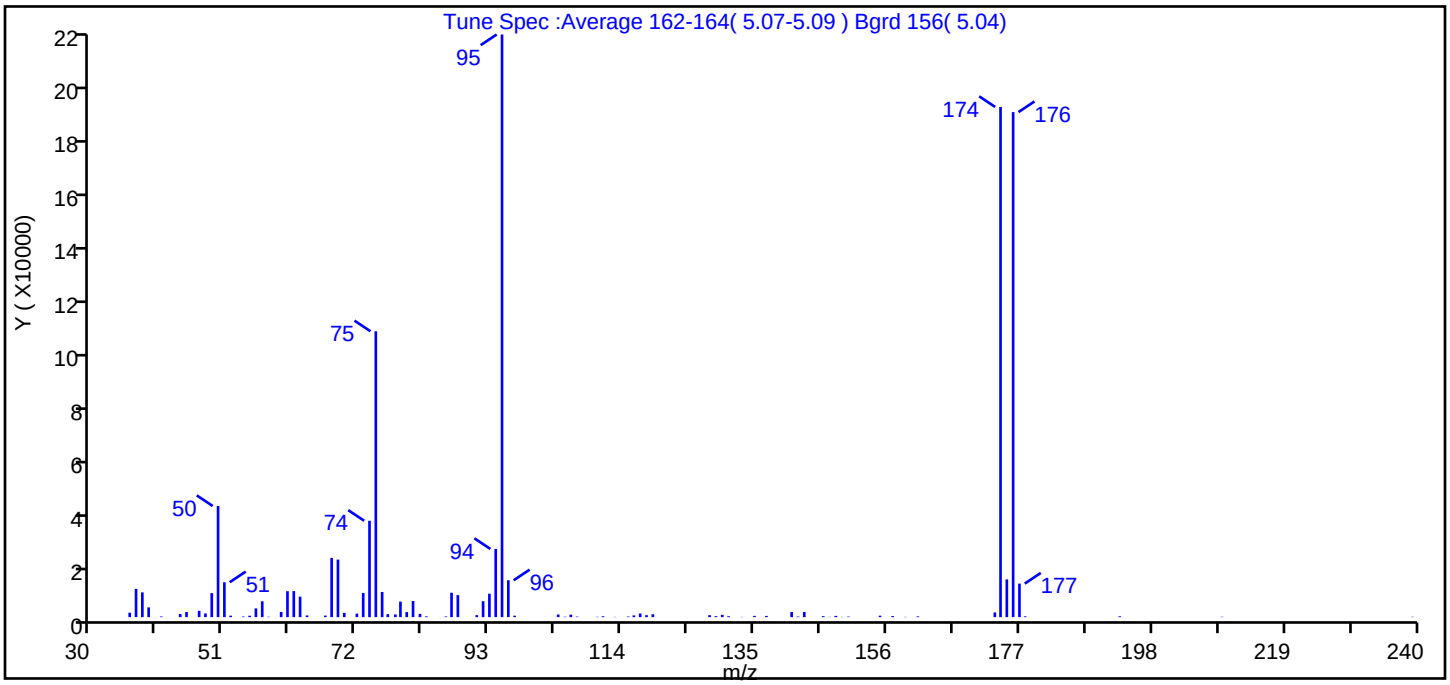
MSV_V_BFB_00012 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16T01.D
Injection Date: 17-Oct-2023 03:41:30 Instrument ID: 19094
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_19094_25mL Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 166 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.1
75	30 to 60% of m/z 95	49.1
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.8 (0.9)
174	50 to 120% of m/z 95	87.6
175	5 to 9% of m/z 174	6.5 (7.4)
176	Greater than 95% but less than 101% of m/z 174	86.7 (99.0)
177	5 to 9% of m/z 176	5.8 (6.6)

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16T01.D\MSV_19094_25mL.rslt\spectra.d
Injection Date: 17-Oct-2023 03:41:30
Spectrum: Tune Spec :Average 162-164(5.07-5.09) Bgrd 156(5.04)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 93

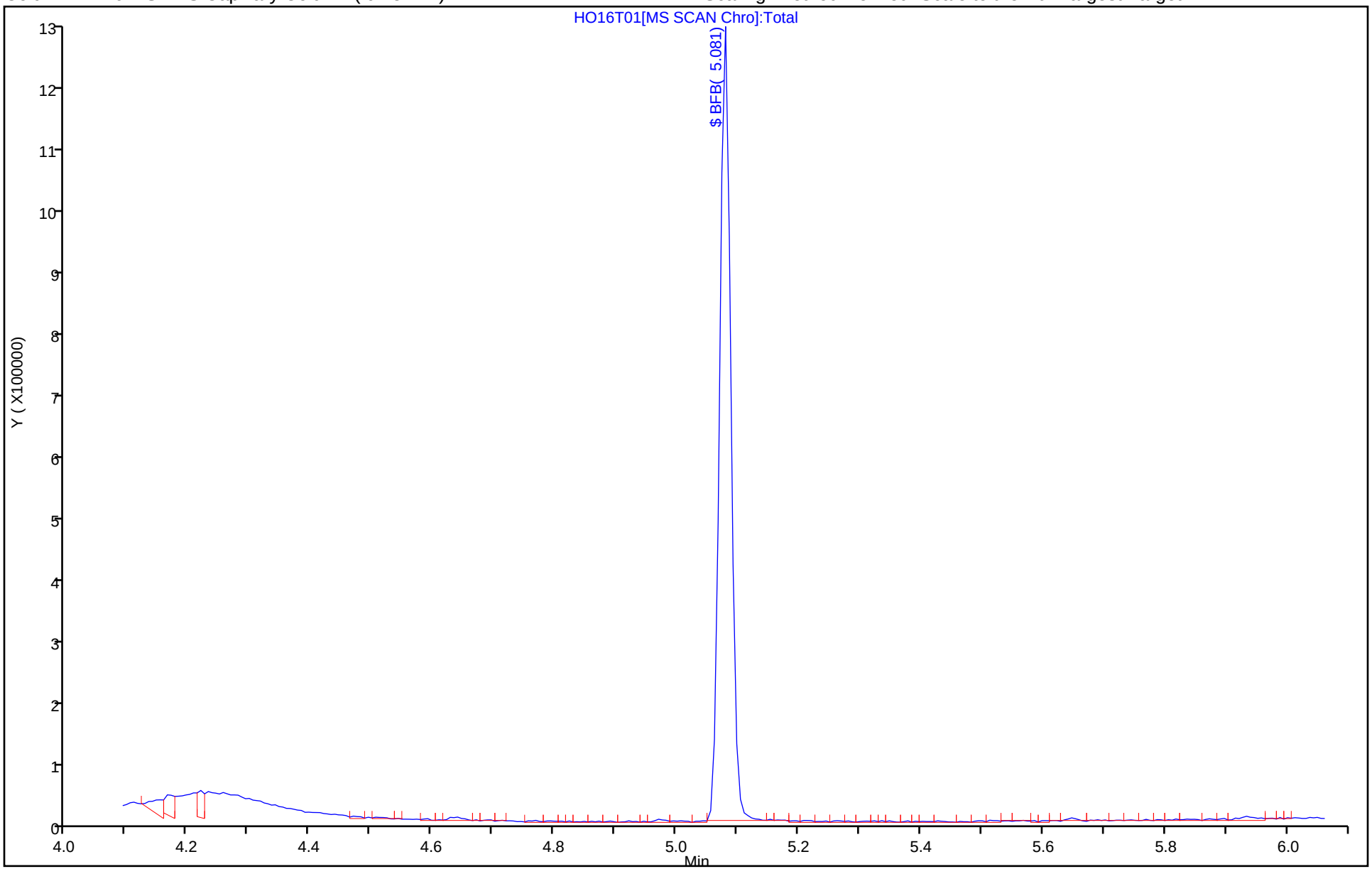
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1625	63.00	7457	93.00	8523	141.00	1854
37.00	10264	64.00	630	94.00	24792	142.00	229
38.00	9004	67.00	572	95.00	211904	143.00	1875
39.00	3541	68.00	21560	96.00	13401	146.00	358
40.00	33	69.00	20936	97.00	538	147.00	94
41.00	235	70.00	1548	104.00	958	148.00	464
42.00	24	72.00	1287	105.00	154	149.00	88
44.00	1135	73.00	8804	106.00	908	150.00	201
45.00	1869	74.00	35048	107.00	188	155.00	537
47.00	2305	75.00	103960	110.00	122	157.00	385
48.00	1344	76.00	9154	111.00	326	159.00	96
49.00	8751	77.00	1094	113.00	93	161.00	286
50.00	40408	78.00	977	115.00	216	173.00	1704
51.00	12688	79.00	5655	116.00	641	174.00	185536
52.00	538	80.00	1844	117.00	1322	175.00	13737
54.00	223	81.00	5876	118.00	724	176.00	183680
55.00	513	82.00	1198	119.00	1046	177.00	12197
56.00	3189	83.00	282	128.00	718	178.00	304
57.00	5767	85.00	21	129.00	364	193.00	314
58.00	135	86.00	241	130.00	849	209.00	143
59.00	16	87.00	8881	131.00	331	239.00	127
60.00	1887	88.00	8015	133.00	86		
61.00	9449	91.00	735	135.00	470		
62.00	9480	92.00	5806	137.00	447		

Report Date: 20-Oct-2023 12:53:17 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16T01.D				
Injection Date:	17-Oct-2023 03:41:30	Instrument ID:	19094	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_19094_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: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08T01.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	08-May-2024 20:11:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0113421-001				
Misc. Info.:	BFB				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	08-May-2024 22:32:37	Calib Date:	17-Oct-2023 09:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1686				
First Level Reviewer: JS6E		Date:	08-May-2024 20:21:59		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 166 BFB	95	5.087	5.087	0.000	93	371198	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

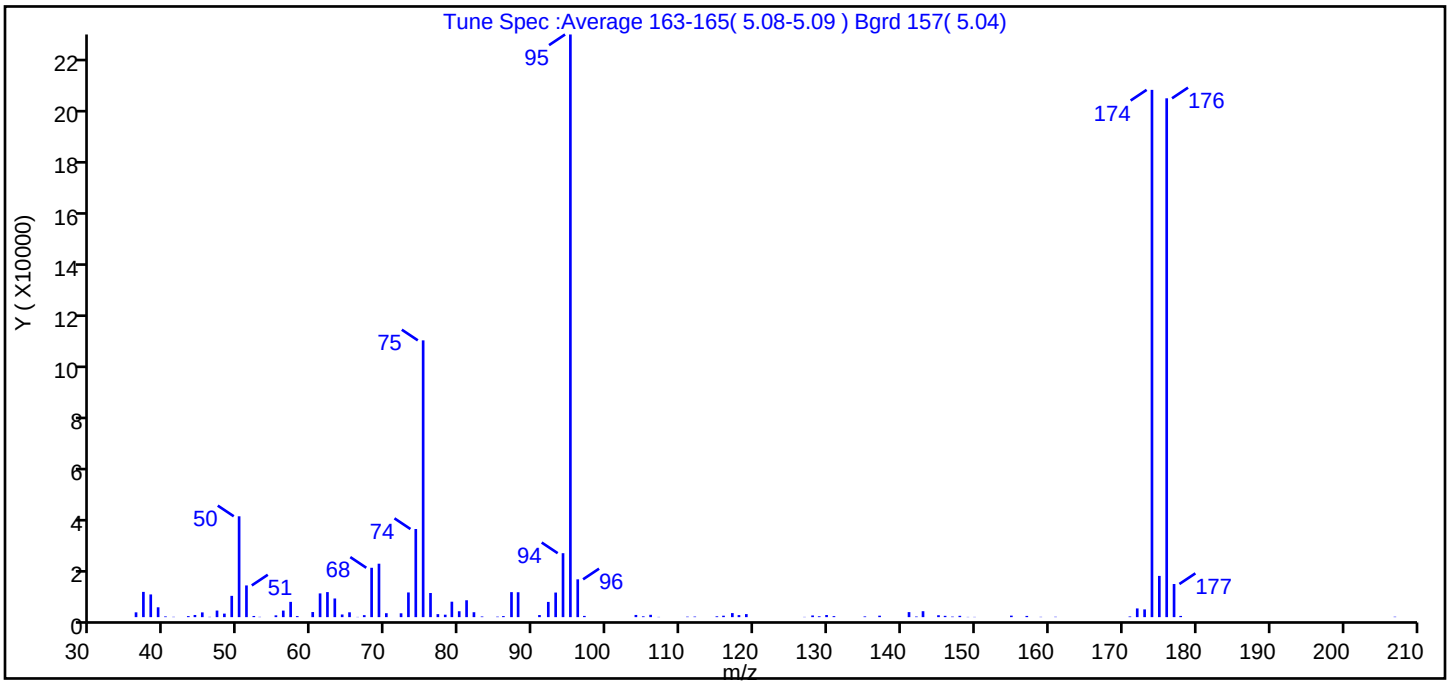
MSV_V_BFB_00016 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08T01.D
Injection Date: 08-May-2024 20:11:30 Instrument ID: 19094
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_19094_25mL Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 166 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.3
75	30 to 60% of m/z 95	47.5
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	1.3 (1.5)
174	50 to 120% of m/z 95	90.5
175	5 to 9% of m/z 174	7.1 (7.8)
176	Greater than 95% but less than 101% of m/z 174	89.0 (98.4)
177	5 to 9% of m/z 176	5.7 (6.4)

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08T01.D\MSV_19094_25mL.rslt\spectra.d
Injection Date: 08-May-2024 20:11:30
Spectrum: Tune Spec :Average 163-165(5.08-5.09) Bgrd 157(5.04)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 95

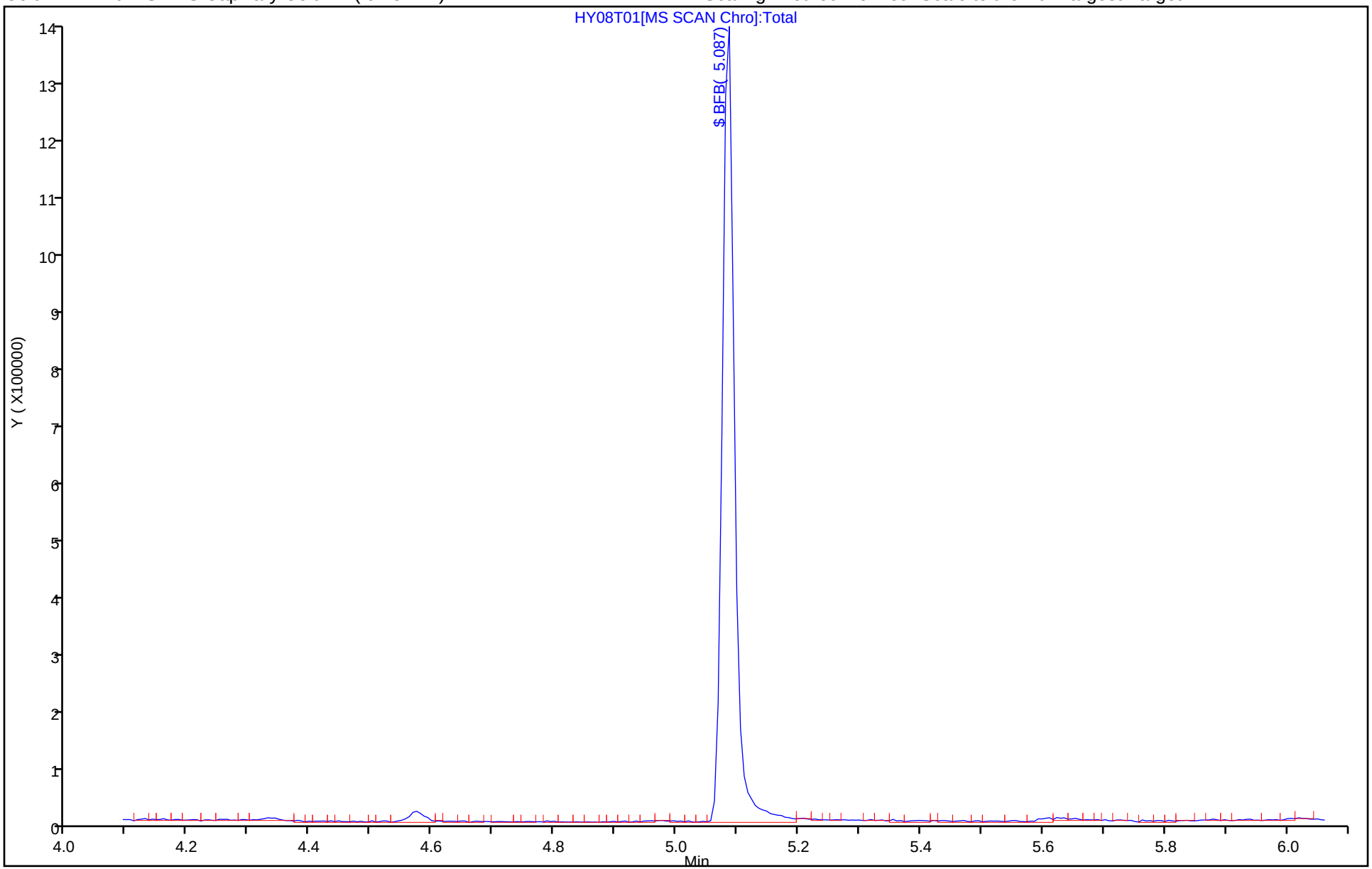
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1864	63.00	7223	91.00	812	137.00	567
37.00	9776	64.00	1028	92.00	5895	141.00	1948
38.00	8792	65.00	1872	93.00	9519	142.00	241
39.00	3812	66.00	89	94.00	24752	143.00	2301
40.00	282	67.00	771	95.00	225536	145.00	737
41.00	124	68.00	19112	96.00	14638	146.00	506
43.00	394	69.00	20688	97.00	477	147.00	209
44.00	834	70.00	1527	104.00	849	148.00	516
45.00	1840	72.00	1492	105.00	311	149.00	92
46.00	119	73.00	9561	106.00	906	150.00	94
47.00	2549	74.00	34112	107.00	91	155.00	585
48.00	1368	75.00	107136	111.00	188	157.00	472
49.00	8243	76.00	9342	112.00	220	159.00	118
50.00	39040	77.00	1161	115.00	330	161.00	145
51.00	12278	78.00	949	116.00	556	171.00	261
52.00	452	79.00	5980	117.00	1567	172.00	3374
53.00	117	80.00	2286	118.00	794	173.00	3004
55.00	696	81.00	6536	119.00	1179	174.00	204096
56.00	2539	82.00	1908	127.00	95	175.00	15963
57.00	5914	83.00	256	128.00	652	176.00	200832
58.00	390	85.00	193	129.00	336	177.00	12822
60.00	1975	86.00	404	130.00	820	178.00	476
61.00	9190	87.00	9684	131.00	392	207.00	163
62.00	9695	88.00	9642	135.00	286		

Report Date: 08-May-2024 22:32:37 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08T01.D				
Injection Date:	08-May-2024 20:11:30	Instrument ID:	19094	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_19094_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: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-503852/6

Matrix: Water
Lab File ID: HY08X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2024 21:45

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.: 503852
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.: 410-169938-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-503852/6

Matrix: Water
Lab File ID: HY08X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2024 21:45

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.: 503852
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)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X05.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 08-May-2024 21:45:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113421-006
Misc. Info.: MB
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-May-2024 14:27:34 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: JS6E Date: 08-May-2024 22:30:55

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.831					ND	
2	Dichlorodifluoromethane	85		1.873					ND	
3	Chlorodifluoromethane	51		1.879					ND	
4	Dimethyl ether	45		1.946					ND	
5	Chloromethane	50		2.062					ND	
6	Vinyl chloride	62		2.166					ND	
7	Butadiene	39		2.184					ND	7
8	2-Chloro-1,1,1-Trifluoroethane	118		2.239					ND	
9	Bromomethane	94		2.489					ND	
10	Chloroethane	64		2.562					ND	
11	Dichlorofluoromethane	67		2.788					ND	
12	Trichlorofluoromethane	101		2.855					ND	
14	Ethyl ether	59		3.086					ND	
13	Ethanol	45		3.111					ND	
15	1,2-Dichloro-1,1,2-trifluoroetha	67		3.154					ND	
16	Acrolein	56		3.251					ND	
17	1,1-Dichloroethene	96		3.373					ND	
20	1,1,2-Trichloro-1,2,2-trifluoroe	101		3.404					ND	
19	Acetone	43		3.404					ND	
21	Iodomethane	142		3.556					ND	
22	Ethyl bromide	108		3.580					ND	
23	Carbon disulfide	76		3.660					ND	7
25	Acetonitrile	41		3.794					ND	
24	Methyl acetate	43		3.806					ND	
26	3-Chloro-1-propene	41		3.818					ND	
27	Methylene Chloride	84		3.989					ND	
* 28	t-Butyl alcohol-d10 (IS)	65	4.001	4.001	0.000	25	52627	50.0	50.0	
29	2-Methyl-2-propanol	59		4.105					ND	
31	Acrylonitrile	53		4.312					ND	
32	Methyl tert-butyl ether	73		4.379					ND	
33	trans-1,2-Dichloroethene	96		4.391					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 Hexane	57		4.818					ND	
36 1,1-Dichloroethane	63		5.050					ND	
35 Vinyl acetate	43		5.056					ND	
37 Isopropyl ether	45		5.111					ND	
38 2-Chloro-1,3-butadiene	53		5.159					ND	
40 Tert-butyl ethyl ether	59		5.653					ND	
41 2-Butanone (MEK)	43		5.848					ND	
42 cis-1,2-Dichloroethene	96		5.885					ND	
43 2,2-Dichloropropane	77		5.903					ND	
44 Propionitrile	54		5.934					ND	
45 Ethyl acetate	43		5.946					ND	
47 Methacrylonitrile	67		6.153					ND	
S 46 1,2-Dichloroethene, Total	100		6.155					ND	7
48 Chlorobromomethane	128		6.220					ND	
49 Tetrahydrofuran	71		6.238					ND	
50 Chloroform	83		6.379					ND	
51 Methyl acrylate	55		6.482					ND	
$ 52 Dibromofluoromethane (Surr)	113	6.592	6.598	-0.006	93	424395	10.0	9.31	
53 1,1,1-Trichloroethane	97		6.604					ND	
54 Cyclohexane	56		6.714					ND	
56 Carbon tetrachloride	117		6.824					ND	
55 1,1-Dichloropropene	75		6.824					ND	
57 Isobutyl alcohol	41		6.970					ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.055	7.049	0.006	47	87218	10.0	10.2	
59 Benzene	78		7.086					ND	7
60 1,2-Dichloroethane	62		7.159					ND	
61 Isopropyl acetate	43		7.189					ND	
62 1-Chlorobutane	56	7.482	7.250	0.232	16	4161		NC	
63 Tert-amyl methyl ether	73		7.287					ND	
* 64 Fluorobenzene (IS)	96	7.500	7.494	0.006	99	1798770	10.0	10.0	
65 n-Heptane	43		7.519					ND	
66 t-Amyl alcohol	73		7.842					ND	
67 n-Butanol	56		7.872					ND	
68 Trichloroethene	95		7.982					ND	
69 Methylcyclohexane	83		8.299					ND	
70 1,2-Dichloropropane	63		8.311					ND	
71 2-ethoxy-2-methyl butane	87		8.329					ND	
72 Methyl methacrylate	69		8.409					ND	
73 1,4-Dioxane	88		8.421					ND	
74 Dibromomethane	93		8.427					ND	
75 n-Propyl acetate	61		8.506					ND	
76 Dichlorobromomethane	83		8.665					ND	
77 2-Nitropropane	41		8.933					ND	
78 2-Chloroethyl vinyl ether	63		9.049					ND	
79 1-Bromo-2-chloroethane	63		9.067					ND	
80 cis-1,3-Dichloropropene	75		9.232					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.409					ND	
81 Chloroacetonitrile	75		9.427					ND	
$ 83 Toluene-d8 (Surr)	98	9.549	9.549	0.000	93	1649282	10.0	9.97	
84 Toluene	92		9.628					ND	
85 trans-1,3-Dichloropropene	75		9.896					ND	
104 Ethyl methacrylate	69		9.963					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 105 1,3-Dichloropropene, Total	100		10.060					ND	7
106 1,1,2-Trichloroethane	97		10.104					ND	
107 Tetrachloroethene	166		10.195					ND	
108 1,3-Dichloropropane	76		10.274					ND	
109 2-Hexanone	43		10.329					ND	
110 n-Butyl acetate	43		10.463					ND	
111 Chlorodibromomethane	129		10.494					ND	
112 Ethylene Dibromide	107		10.603					ND	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	86	1251466	10.0	10.0	
114 1-Chlorohexane	91		11.055					ND	7
115 Chlorobenzene	112		11.073					ND	
116 1,1,1,2-Tetrachloroethane	131		11.158					ND	
117 Ethylbenzene	91		11.158					ND	
S 118 Xylenes, Total	106		11.245					ND	7
119 m-Xylene & p-Xylene	106		11.280					ND	
120 o-Xylene	106		11.609					ND	
121 Styrene	104		11.628					ND	
122 Bromoform	173		11.786					ND	
123 Isopropylbenzene	105		11.914					ND	
124 cis-1,4-Dichloro-2-butene	88		11.963					ND	U
125 Cyclohexanone	55		11.999					ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	93	554006	10.0	8.94	
127 1,1,2,2-Tetrachloroethane	83		12.158					ND	
128 Bromobenzene	156		12.176					ND	
129 trans-1,4-Dichloro-2-butene	53		12.188					ND	
130 1,2,3-Trichloropropane	110		12.207					ND	
131 N-Propylbenzene	91		12.249					ND	
132 2-Chlorotoluene	126		12.323					ND	
133 1,3,5-Trimethylbenzene	105		12.384					ND	
134 4-Chlorotoluene	126		12.414					ND	
135 tert-Butylbenzene	134		12.627					ND	
136 Pentachloroethane	167		12.658					ND	
137 1,2,4-Trimethylbenzene	105		12.670					ND	
138 sec-Butylbenzene	105		12.792					ND	7
139 1,3-Dichlorobenzene	146		12.890					ND	7
140 4-Isopropyltoluene	119		12.902					ND	7
* 141 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	94	636308	10.0	10.0	
142 1,4-Dichlorobenzene	146		12.963					ND	7
143 1,2,3-Trimethylbenzene	120		12.975					ND	7
144 Benzyl chloride	126		13.042					ND	
145 p-Diethylbenzene	119		13.103					ND	U
146 n-Butylbenzene	92		13.194					ND	
147 1,2-Dichlorobenzene	146		13.225					ND	
148 Hexachloroethane	201		13.682					ND	
149 1,2-Dibromo-3-Chloropropane	155		13.767					ND	
150 1,3,5-Trichlorobenzene	180		13.895					ND	7
151 1,2,4-Trichlorobenzene	180		14.316					ND	7
152 Hexachlorobutadiene	225	14.401	14.401	0.000	1	815		0.0485	
153 Naphthalene	128		14.499					ND	U
154 1,2,3-Trichlorobenzene	180		14.639					ND	U
155 tert-Butyl Formate	1		0.000					ND	
156 Dodecane	57		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
157 Pentane	43		0.000					ND	
158 1,1-Dichloroacetone	1		0.000					ND	
159 n-Decane	57		0.000					ND	
160 1-Bromo-3-Chloropropane	1		0.000					ND	
161 1-Chloropropane	1		0.000					ND	
162 Propene oxide	1		0.000					ND	
163 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
164 Methylal	1		0.000					ND	
165 2-Bromo-1-chloropropane	1		0.000					ND	
209 1,1-Dichloro-1-fluoroethane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected

Reagents:

MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

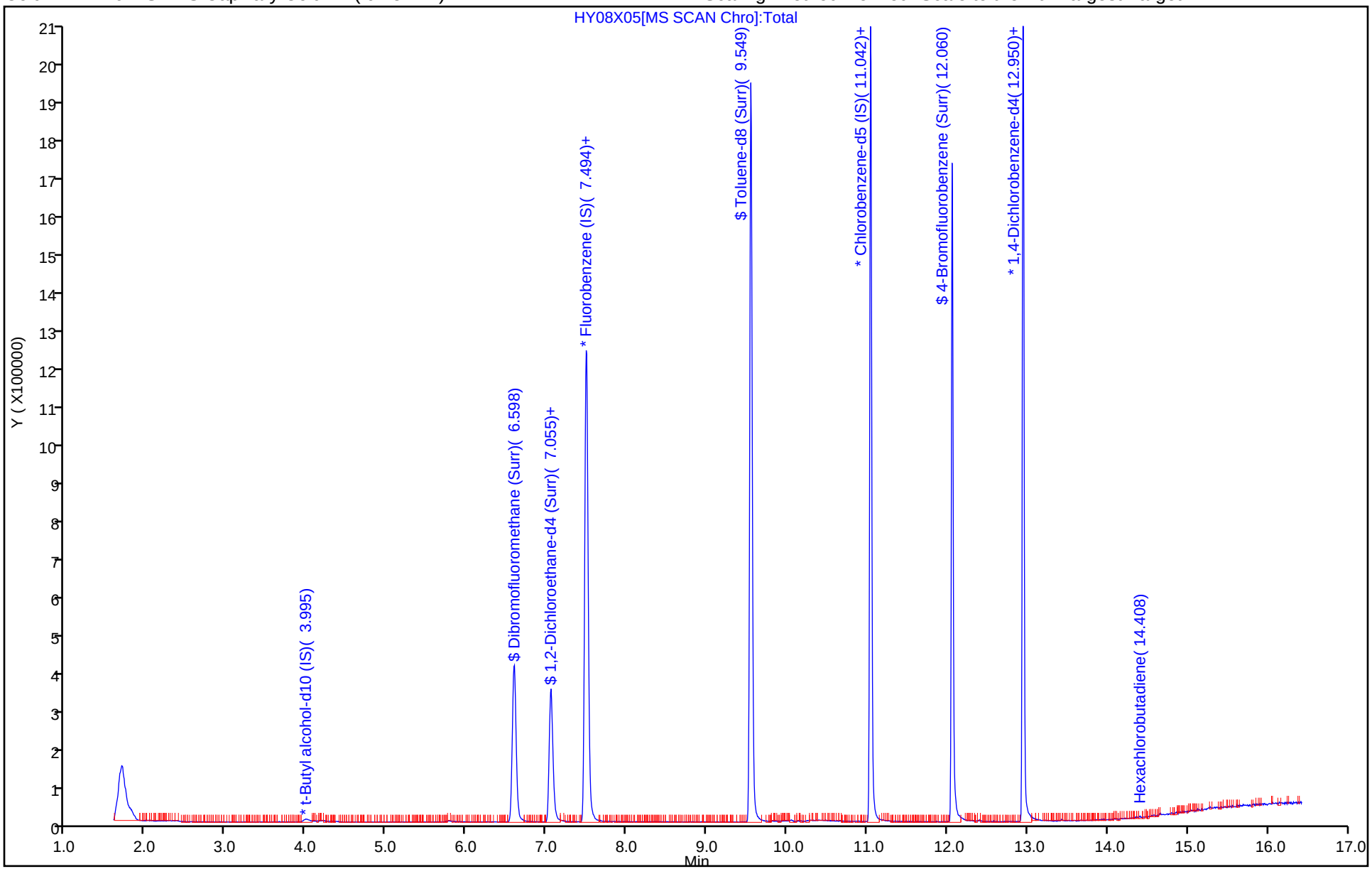
Report Date: 09-May-2024 14:27:35 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X05.D

Injection Date:	08-May-2024 21:45:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	MB			Worklist Smp#:	6
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSV_19094_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: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X05.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	08-May-2024 21:45:30	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0113421-006				
Misc. Info.:	MB				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	09-May-2024 14:27:34	Calib Date:	17-Oct-2023 09:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1689				
First Level Reviewer: JS6E		Date:	08-May-2024 22:30:55		

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.31	93.12
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.51
$ 83 Toluene-d8 (Surr)	10.0	9.97	99.71
$ 126 4-Bromofluorobenzene (Surr)	10.0	8.94	89.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-504341/6

Matrix: Water
Lab File ID: GY09X35.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 05/09/2024 19:18

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.: 504341
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.: 410-169938-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-504341/6

Matrix: Water
Lab File ID: GY09X35.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 05/09/2024 19:18

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.: 504341
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)	96		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\20240509-113528.b\GY09X35.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 09-May-2024 19:18:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-006
Misc. Info.: MB
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-May-2024 20:13:42 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: CTX1619

First Level Reviewer: JS6E Date: 09-May-2024 19:42:19

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					ND	
2 Dichlorodifluoromethane	85		1.843					ND	
3 Chlorodifluoromethane	51		1.855					ND	7
4 Dimethyl ether	45		1.922					ND	7
5 Chloromethane	50		2.026					ND	
6 Vinyl chloride	62		2.135					ND	
7 Butadiene	39		2.148					ND	7
8 2-Chloro-1,1,1-Trifluoroethane	118		2.215					ND	
9 Bromomethane	94		2.446					ND	
10 Chloroethane	64		2.526					ND	
11 Dichlorofluoromethane	67		2.751					ND	7
12 Trichlorofluoromethane	101		2.812					ND	
13 Ethyl ether	59		3.044					ND	
16 1,2-Dichloro-1,1,2-trifluoroetha	67		3.129					ND	
14 Ethanol	45		3.190					ND	
17 Acrolein	56		3.202					ND	
18 1,1-Dichloroethene	96		3.330					ND	7
19 Acetone	43	3.367	3.361	0.006	29	3436		0.5829	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.367					ND	
22 Iodomethane	142		3.507					ND	
21 Isopropyl alcohol	45		3.532					ND	
23 Ethyl bromide	108		3.538					ND	
24 Carbon disulfide	76		3.605					ND	7
26 Acetonitrile	41		3.727					ND	7
25 Methyl acetate	43		3.757					ND	
27 3-Chloro-1-propene	41		3.775					ND	
29 Methylene Chloride	84	3.940	3.946	-0.006	52	1903		0.0359	
* 30 t-Butyl alcohol-d10 (IS)	65	3.970	3.977	-0.007	60	106942	50.0	50.0	
31 2-Methyl-2-propanol	59		4.086					ND	
32 Acrylonitrile	53		4.275					ND	
33 Methyl tert-butyl ether	73		4.336					ND	7

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		5.001					ND	
36 Vinyl acetate	43		5.025					ND	
38 Isopropyl ether	45		5.074					ND	
39 2-Chloro-1,3-butadiene	53		5.117					ND	
40 Tert-butyl ethyl ether	59		5.610					ND	7
41 2-Butanone (MEK)	43		5.824					ND	
42 cis-1,2-Dichloroethene	96		5.842					ND	
43 2,2-Dichloropropane	77		5.860					ND	7
44 Ethyl acetate	43		5.909					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		6.202					ND	
51 Chloroform	83		6.330					ND	
$ 52 Dibromofluoromethane (Surr)	113	6.543	6.549	-0.006	93	548208	10.0	9.59	
53 1,1,1-Trichloroethane	97		6.555					ND	
54 Cyclohexane	56		6.653					ND	
55 Carbon tetrachloride	117		6.769					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	7.006	7.000	0.006	66	104337	10.0	10.1	
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	7.439	7.439	0.000	99	2393498	10.0	10.0	
65 n-Heptane	43		7.458					ND	7
66 t-Amyl alcohol	73	7.750	7.842	-0.092	1	113		NC	
67 n-Butanol	56		7.854					ND	
68 Trichloroethene	95		7.921					ND	
69 Methylcyclohexane	83		8.226					ND	
70 1,2-Dichloropropane	63		8.250					ND	
71 2-ethoxy-2-methyl butane	87		8.274					ND	
73 1,4-Dioxane	88		8.354					ND	
72 Methyl methacrylate	69		8.354					ND	
74 Dibromomethane	93		8.360					ND	
75 n-Propyl acetate	61		8.439					ND	
76 Dichlorobromomethane	83		8.598					ND	
77 2-Nitropropane	41		8.878					ND	
78 2-Chloroethyl vinyl ether	63		8.970					ND	
79 1-Bromo-2-chloroethane	63		8.988					ND	
81 cis-1,3-Dichloropropene	75		9.158					ND	
80 Chloroacetonitrile	75		9.189					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.354					ND	
$ 83 Toluene-d8 (Surr)	98	9.475	9.482	-0.007	94	2293457	10.0	10.2	
84 Toluene	92		9.561					ND	7
85 trans-1,3-Dichloropropene	75		9.829					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		9.902					ND	
107 1,1,2-Trichloroethane	97		10.036					ND	
S 106 1,3-Dichloropropene, Total	100		10.060					ND	7
108 Tetrachloroethene	166		10.122					ND	
109 1,3-Dichloropropane	76		10.201					ND	
110 2-Hexanone	43		10.262					ND	
111 n-Butyl acetate	43		10.390					ND	
112 Chlorodibromomethane	129		10.414					ND	
113 Ethylene Dibromide	107		10.524					ND	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	1739911	10.0	10.0	
115 1-Chlorohexane	91		10.981					ND	7
116 Chlorobenzene	112		10.993					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		11.530					ND	
122 Styrene	104		11.542					ND	
123 Bromoform	173		11.695					ND	
124 Isopropylbenzene	105		11.829					ND	
125 cis-1,4-Dichloro-2-butene	88		11.896					ND	
126 Cyclohexanone	55		11.932					ND	U
$ 127 4-Bromofluorobenzene (Surr)	95	11.975	11.969	0.006	90	788377	10.0	9.54	
128 1,1,2,2-Tetrachloroethane	83		12.079					ND	
129 Bromobenzene	156		12.085					ND	
130 trans-1,4-Dichloro-2-butene	53		12.103					ND	
131 1,2,3-Trichloropropane	110		12.121					ND	
132 N-Propylbenzene	91		12.158					ND	
133 2-Chlorotoluene	126		12.231					ND	
134 1,3,5-Trimethylbenzene	105		12.298					ND	
135 4-Chlorotoluene	126		12.329					ND	
136 tert-Butylbenzene	134		12.536					ND	
137 Pentachloroethane	167		12.566					ND	
138 1,2,4-Trimethylbenzene	105		12.579					ND	7
139 sec-Butylbenzene	105		12.700					ND	
140 1,3-Dichlorobenzene	146		12.798					ND	
141 4-Isopropyltoluene	119		12.804					ND	7
* 142 1,4-Dichlorobenzene-d4	152	12.853	12.853	0.000	96	877522	10.0	10.0	
143 1,4-Dichlorobenzene	146		12.871					ND	7
144 1,2,3-Trimethylbenzene	120		12.883					ND	7
145 Benzyl chloride	126		12.944					ND	
146 p-Diethylbenzene	119	13.005	13.005	0.000	1	878		0.005591	
147 n-Butylbenzene	92		13.097					ND	7
148 1,2-Dichlorobenzene	146		13.127					ND	
149 Hexachloroethane	201		13.499					ND	
150 1,2-Dibromo-3-Chloropropane	155		13.670					ND	
151 1,3,5-Trichlorobenzene	180		13.792					ND	7
152 1,2,4-Trichlorobenzene	180		14.212					ND	7
153 Hexachlorobutadiene	225		14.292					ND	7
154 Naphthalene	128	14.407	14.389	0.018	1	3532		0.0327	
155 1,2,3-Trichlorobenzene	180	14.542	14.529	0.013	88	2188		0.0349	
156 2-Methylnaphthalene	142	15.139	15.127	0.012	77	4910		0.1364	

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	2.843	2.843	0.000	16	503			NR

QC Flag Legend

Processing Flags
- NR - Missing Quant Standard
- NC - Not Calibrated
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00087 Amount Added: 1.00 Units: uL Run Reagent

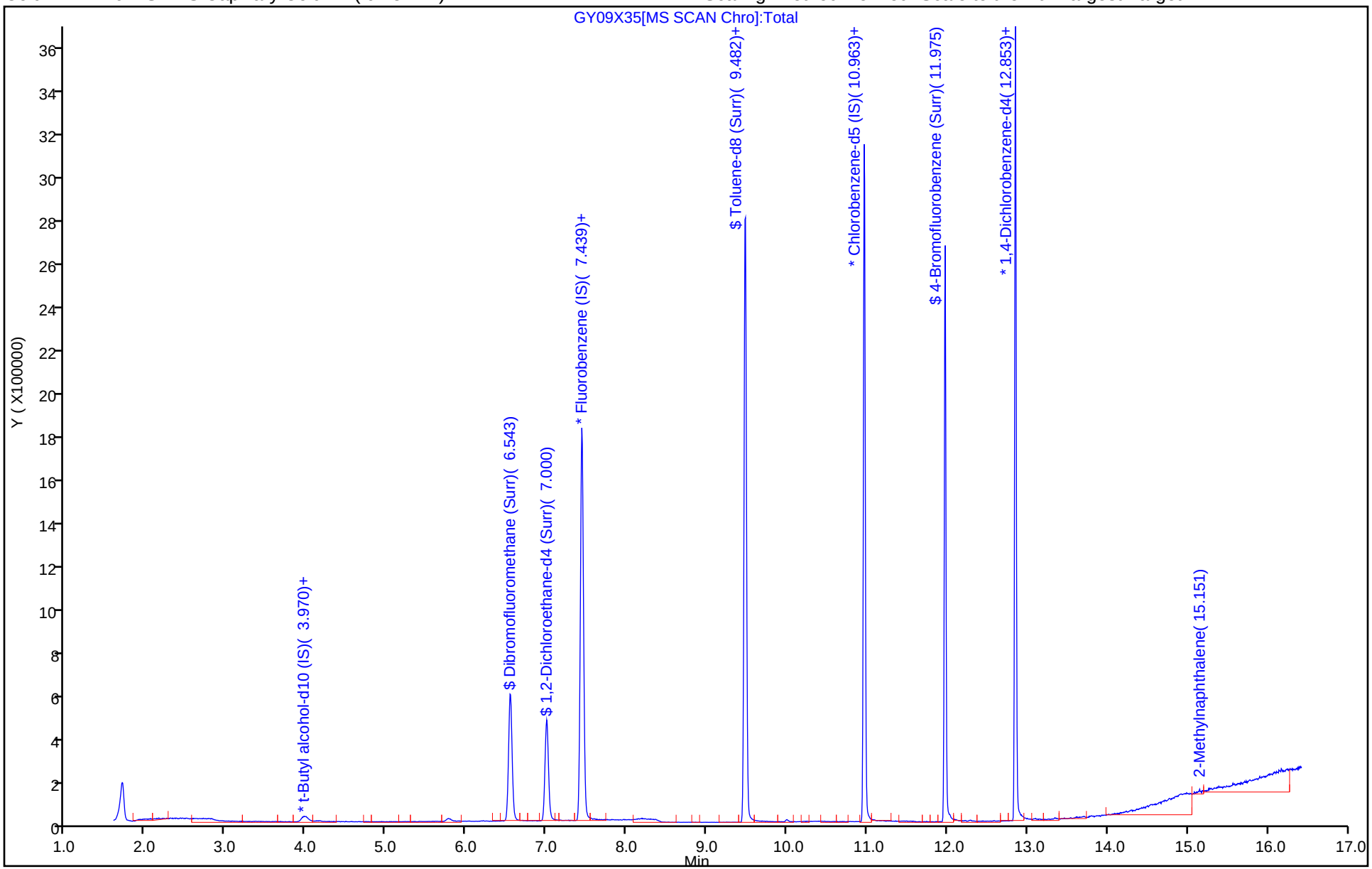
Report Date: 10-May-2024 09:34:13 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X35.D

Injection Date:	09-May-2024 19:18:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	MB			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\20240509-113528.b\GY09X35.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	09-May-2024 19:18:30	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0113528-006				
Misc. Info.:	MB				
Operator ID:	gaw91131	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	09-May-2024 20:13:42	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:	CTX1619				

First Level Reviewer: JS6E Date: 09-May-2024 19:42:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.59	95.91
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.85
$ 83 Toluene-d8 (Surr)	10.0	10.2	101.65
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.54	95.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-503852/7

Matrix: Water
Lab File ID: HY08X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2024 22:05

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.: 503852
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.86		0.50	0.070
71-55-6	1,1,1-Trichloroethane	4.35		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.19		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.62		0.50	0.080
75-34-3	1,1-Dichloroethane	5.33		0.50	0.10
75-35-4	1,1-Dichloroethene	4.44		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.33		0.50	0.080
107-06-2	1,2-Dichloroethane	4.70		0.50	0.070
78-87-5	1,2-Dichloropropane	5.78		0.50	0.10
78-93-3	2-Butanone (MEK)	84.4		5.0	1.0
591-78-6	2-Hexanone	70.3		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	69.0		5.0	1.0
67-64-1	Acetone	61.8		5.0	1.5
71-43-2	Benzene	5.28		0.50	0.10
74-97-5	Bromochloromethane	5.38		0.50	0.080
75-27-4	Bromodichloromethane	5.21		0.50	0.080
75-25-2	Bromoform	4.89		1.0	0.30
74-83-9	Bromomethane	3.90		0.50	0.10
75-15-0	Carbon disulfide	4.58		1.0	0.10
56-23-5	Carbon tetrachloride	4.77		0.50	0.10
108-90-7	Chlorobenzene	5.26		0.50	0.070
75-00-3	Chloroethane	4.40		0.50	0.10
67-66-3	Chloroform	4.97		0.50	0.090
74-87-3	Chloromethane	3.32		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.01		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.89		0.50	0.10
124-48-1	Dibromochloromethane	5.17		0.50	0.080
100-41-4	Ethylbenzene	4.87		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.47		0.50	0.080
75-09-2	Methylene Chloride	4.90		0.50	0.20
100-42-5	Styrene	5.01		0.50	0.070
127-18-4	Tetrachloroethene	4.91		0.50	0.20
108-88-3	Toluene	5.16		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-503852/7

Matrix: Water
Lab File ID: HY08X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2024 22:05

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.: 503852
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	4.73		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.12		0.50	0.080
79-01-6	Trichloroethene	4.65		0.50	0.080
75-01-4	Vinyl chloride	3.36		0.50	0.10
1330-20-7	Xylenes, Total	14.8		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)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	93		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\19094\20240508-113421.b\HY08X06.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 08-May-2024 22:05:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113421-007
Misc. Info.: LCS
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-May-2024 14:27:34 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: JS6E Date: 08-May-2024 22:32:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.873	1.873	0.000	99	152998	5.00	2.85	
5 Chloromethane	50	2.056	2.062	-0.006	99	195679	5.00	3.32	
6 Vinyl chloride	62	2.160	2.166	-0.006	98	189697	5.00	3.36	
7 Butadiene	39	2.172	2.184	-0.012	92	189692	5.00	3.09	
9 Bromomethane	94	2.483	2.489	-0.006	90	157101	5.00	3.90	
10 Chloroethane	64	2.562	2.562	0.000	99	143705	5.00	4.40	
11 Dichlorofluoromethane	67	2.776	2.788	-0.012	97	333944	5.00	3.70	
12 Trichlorofluoromethane	101	2.849	2.855	-0.006	96	252795	5.00	3.74	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.154	3.154	0.000	95	213048	5.00	4.39	
17 1,1-Dichloroethene	96	3.367	3.373	-0.006	98	168423	5.00	4.44	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.397	3.404	-0.007	84	148084	5.00	4.24	
19 Acetone	43	3.403	3.404	-0.001	100	310529	62.5	61.8	
21 Iodomethane	142	3.550	3.556	-0.006	99	307590	5.00	4.10	
23 Carbon disulfide	76	3.653	3.660	-0.007	99	484161	5.00	4.58	
24 Methyl acetate	43	3.806	3.806	0.000	97	58939	5.00	4.02	M
26 3-Chloro-1-propene	41	3.812	3.818	-0.006	93	275772	5.00	4.34	
27 Methylene Chloride	84	3.989	3.989	0.000	94	197446	5.00	4.90	
* 28 t-Butyl alcohol-d10 (IS)	65	4.007	4.001	0.006	98	83040	50.0	50.0	
29 2-Methyl-2-propanol	59	4.111	4.105	0.006	96	66519	50.0	44.7	
31 Acrylonitrile	53	4.318	4.312	0.006	100	185946	25.0	28.3	
32 Methyl tert-butyl ether	73	4.373	4.379	-0.006	96	427366	5.00	4.47	
33 trans-1,2-Dichloroethene	96	4.385	4.391	-0.006	98	203947	5.00	4.73	
34 Hexane	57	4.812	4.818	-0.006	92	247339	5.00	5.29	
36 1,1-Dichloroethane	63	5.043	5.050	-0.007	96	409061	5.00	5.33	
37 Isopropyl ether	45	5.104	5.111	-0.007	93	614355	5.00	4.86	
38 2-Chloro-1,3-butadiene	53	5.153	5.159	-0.006	91	305538	5.00	4.40	
40 Tert-butyl ethyl ether	59	5.647	5.653	-0.006	98	558245	5.00	4.48	
41 2-Butanone (MEK)	43	5.854	5.848	0.006	100	693501	62.5	84.4	
42 cis-1,2-Dichloroethene	96	5.879	5.885	-0.006	83	242521	5.00	5.01	
43 2,2-Dichloropropane	77	5.897	5.903	-0.006	87	348176	5.00	4.89	
44 Propionitrile	54	5.952	5.934	0.018	97	108664	37.5	47.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
47 Methacrylonitrile	67	6.147	6.153	-0.006	92	405958	37.5	44.4	
48 Chlorobromomethane	128	6.226	6.220	0.006	96	104017	5.00	5.38	
49 Tetrahydrofuran	71	6.250	6.238	0.012	79	70490	25.0	26.7	
50 Chloroform	83	6.372	6.379	-0.007	93	393126	5.00	4.97	
$ 52 Dibromofluoromethane (Surr)	113	6.586	6.598	-0.012	94	428893	10.0	9.32	
53 1,1,1-Trichloroethane	97	6.598	6.604	-0.006	98	322301	5.00	4.35	
54 Cyclohexane	56	6.714	6.714	0.000	91	304997	5.00	4.53	
56 Carbon tetrachloride	117	6.824	6.824	0.000	86	296266	5.00	4.77	
55 1,1-Dichloropropene	75	6.817	6.824	-0.007	96	302053	5.00	5.06	
57 Isobutyl alcohol	41	6.982	6.970	0.012	92	77846	125.0	165.4	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.043	7.049	-0.006	87	92320	10.0	10.6	
59 Benzene	78	7.080	7.086	-0.006	97	914779	5.00	5.28	
60 1,2-Dichloroethane	62	7.153	7.159	-0.006	97	237124	5.00	4.70	
63 Tert-amyl methyl ether	73	7.287	7.287	0.000	98	505563	5.00	4.79	
* 64 Fluorobenzene (IS)	96	7.494	7.494	0.000	98	1815671	10.0	10.0	
65 n-Heptane	43	7.512	7.519	-0.007	92	274727	5.00	5.95	
67 n-Butanol	56	7.884	7.872	0.012	90	114476	250.0	305.4	
68 Trichloroethene	95	7.982	7.982	0.000	98	227400	5.00	4.65	
69 Methylcyclohexane	83	8.293	8.299	-0.006	92	310927	5.00	4.70	
70 1,2-Dichloropropane	63	8.311	8.311	0.000	97	246283	5.00	5.78	
71 2-ethoxy-2-methyl butane	87	8.329	8.329	0.000	93	307212	5.00	4.51	
72 Methyl methacrylate	69	8.409	8.409	0.000	90	97746	5.00	5.21	
73 1,4-Dioxane	88	8.427	8.421	0.006	30	11062	125.0	191.0	
74 Dibromomethane	93	8.427	8.427	0.000	95	108549	5.00	5.26	
76 Dichlorobromomethane	83	8.665	8.665	0.000	98	296005	5.00	5.21	
77 2-Nitropropane	41	8.933	8.933	0.000	97	28428	5.00	4.47	
79 1-Bromo-2-chloroethane	63	9.067	9.067	0.000	98	241063	5.00	5.76	
80 cis-1,3-Dichloropropene	75	9.226	9.232	-0.006	96	323374	5.00	4.89	
82 4-Methyl-2-pentanone (MIBK)	43	9.408	9.409	-0.001	97	1597060	62.5	69.0	
$ 83 Toluene-d8 (Surr)	98	9.549	9.549	0.000	93	1832283	10.0	10.3	
84 Toluene	92	9.628	9.628	0.000	98	572941	5.00	5.16	
85 trans-1,3-Dichloropropene	75	9.896	9.896	0.000	92	273076	5.00	5.12	
104 Ethyl methacrylate	69	9.963	9.963	0.000	90	184118	5.00	4.65	
106 1,1,2-Trichloroethane	97	10.103	10.104	-0.001	91	156972	5.00	5.62	
107 Tetrachloroethene	166	10.195	10.195	0.000	98	260330	5.00	4.91	
108 1,3-Dichloropropane	76	10.268	10.274	-0.006	89	277269	5.00	5.79	
109 2-Hexanone	43	10.329	10.329	0.000	98	1082734	62.5	70.3	
111 Chlorodibromomethane	129	10.487	10.494	-0.007	90	192724	5.00	5.17	
112 Ethylene Dibromide	107	10.603	10.603	0.000	99	143674	5.00	5.33	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	85	1343840	10.0	10.0	
114 1-Chlorohexane	91	11.054	11.055	-0.001	98	275779	5.00	4.35	
115 Chlorobenzene	112	11.073	11.073	0.000	95	636408	5.00	5.26	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	95	214209	5.00	4.86	
117 Ethylbenzene	91	11.158	11.158	0.000	98	1052425	5.00	4.87	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	99	845947	10.0	10.1	
120 o-Xylene	106	11.609	11.609	0.000	96	386780	5.00	4.72	
121 Styrene	104	11.627	11.628	-0.001	95	663829	5.00	5.01	
122 Bromoform	173	11.786	11.786	0.000	97	114780	5.00	4.89	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	1000438	5.00	4.98	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	92	657315	10.0	9.88	
127 1,1,2,2-Tetrachloroethane	83	12.158	12.158	0.000	94	189087	5.00	5.19	
128 Bromobenzene	156	12.176	12.176	0.000	93	266240	5.00	4.91	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	91	209435	25.0	22.2	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	81	49450	5.00	5.08	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	1267954	5.00	4.93	
132 2-Chlorotoluene	126	12.322	12.323	-0.001	97	255046	5.00	4.73	
133 1,3,5-Trimethylbenzene	105	12.383	12.384	-0.001	94	869783	5.00	4.67	
134 4-Chlorotoluene	126	12.414	12.414	0.000	98	270166	5.00	4.91	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	180130	5.00	4.23	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	912303	5.00	4.84	
138 sec-Butylbenzene	105	12.792	12.792	0.000	94	1077986	5.00	4.75	
139 1,3-Dichlorobenzene	146	12.889	12.890	-0.001	98	514163	5.00	4.94	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	97	926495	5.00	4.63	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	795875	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	546708	5.00	5.21	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	397575	5.00	4.73	
144 Benzyl chloride	126	13.042	13.042	0.000	98	74418	5.00	4.89	
145 p-Diethylbenzene	119	13.103	13.103	0.000	92	536326	5.00	4.62	
146 n-Butylbenzene	92	13.194	13.194	0.000	97	434949	5.00	4.79	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	473100	5.00	5.06	
149 1,2-Dibromo-3-Chloropropane	155	13.773	13.767	0.006	82	22439	5.00	4.66	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	97	315962	5.00	4.51	
151 1,2,4-Trichlorobenzene	180	14.322	14.316	0.006	94	257521	5.00	4.75	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	95	95891	5.00	4.56	
153 Naphthalene	128	14.499	14.499	0.000	97	413513	5.00	4.80	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	198491	5.00	5.14	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_QC_Gas826_00196	Amount Added: 12.50	Units: uL	
MSV_LCS_VOC#1_00165	Amount Added: 12.50	Units: uL	
MSV_LLcentISS_00012	Amount Added: 5.00	Units: uL	Run Reagent

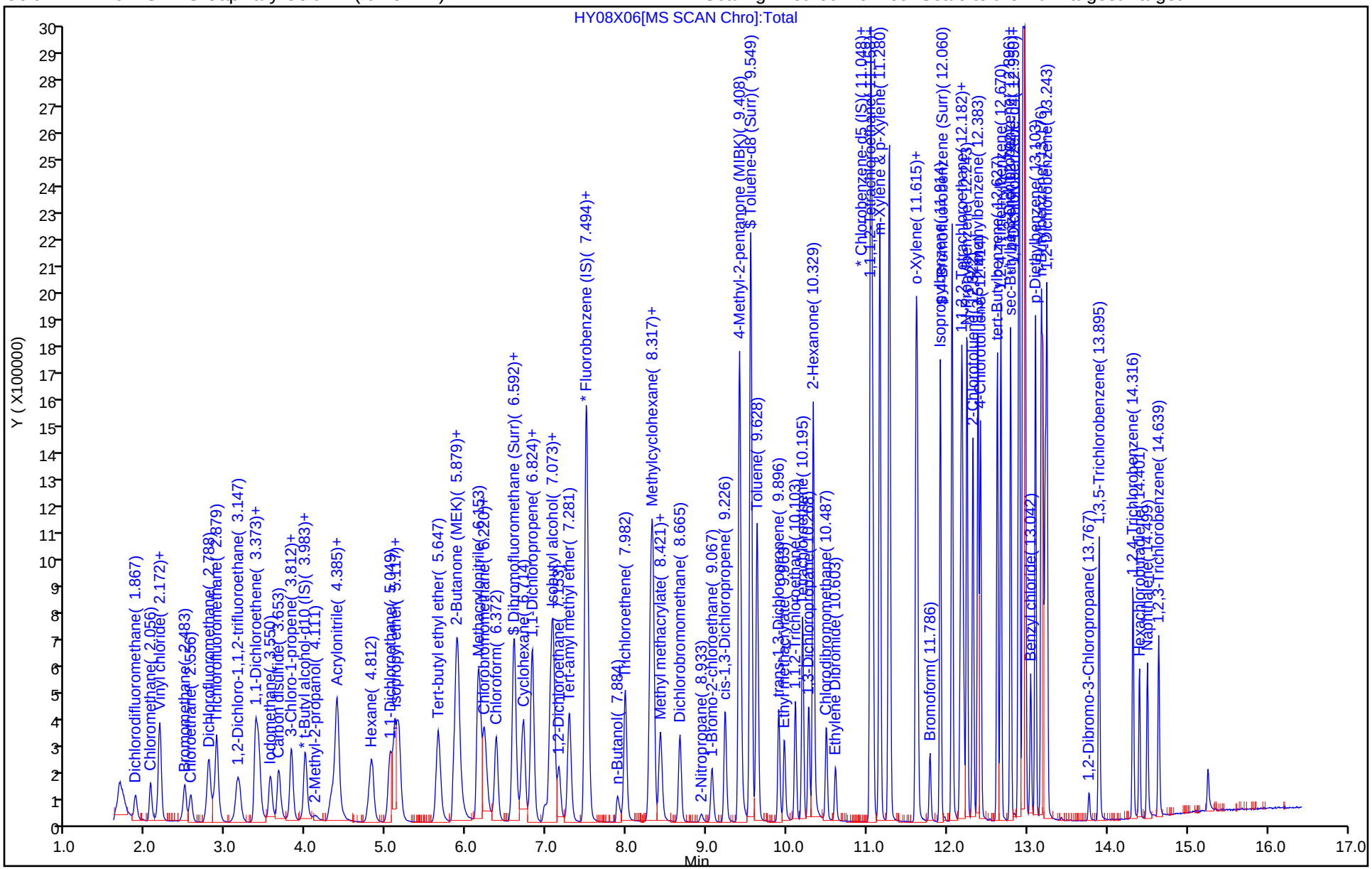
Report Date: 09-May-2024 14:28:21 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X06.D

Injection Date:	08-May-2024 22:05:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	LCS			Worklist Smp#:	7
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSV_19094_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: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\HY08X06.D				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	08-May-2024 22:05:30	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0113421-007				
Misc. Info.:	LCS				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20240508-113421.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	09-May-2024 14:27:34	Calib Date:	17-Oct-2023 09:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1689				
First Level Reviewer: JS6E		Date:	08-May-2024 22:32:01		

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.32	93.23
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	106.45
$ 83 Toluene-d8 (Surr)	10.0	10.3	103.16
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.88	98.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-504341/4

Matrix: Water
Lab File ID: GY09X33.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 05/09/2024 18:34

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.: 504341
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.34		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.25		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	6.19		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.92		0.50	0.080
75-34-3	1,1-Dichloroethane	5.77		0.50	0.10
75-35-4	1,1-Dichloroethene	5.40		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.78		0.50	0.080
107-06-2	1,2-Dichloroethane	5.20		0.50	0.070
78-87-5	1,2-Dichloropropane	6.01		0.50	0.10
78-93-3	2-Butanone (MEK)	78.3		5.0	1.0
591-78-6	2-Hexanone	84.6		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	79.0		5.0	1.0
67-64-1	Acetone	67.1		5.0	1.5
71-43-2	Benzene	5.66		0.50	0.10
74-97-5	Bromochloromethane	5.46		0.50	0.080
75-27-4	Bromodichloromethane	5.48		0.50	0.080
75-25-2	Bromoform	5.17		1.0	0.30
74-83-9	Bromomethane	4.26		0.50	0.10
75-15-0	Carbon disulfide	5.32		1.0	0.10
56-23-5	Carbon tetrachloride	5.17		0.50	0.10
108-90-7	Chlorobenzene	5.48		0.50	0.070
75-00-3	Chloroethane	5.05		0.50	0.10
67-66-3	Chloroform	5.35		0.50	0.090
74-87-3	Chloromethane	4.59		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.33		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.32		0.50	0.10
124-48-1	Dibromochloromethane	5.35		0.50	0.080
100-41-4	Ethylbenzene	5.51		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.16		0.50	0.080
75-09-2	Methylene Chloride	5.70		0.50	0.20
100-42-5	Styrene	5.41		0.50	0.070
127-18-4	Tetrachloroethene	5.13		0.50	0.20
108-88-3	Toluene	5.58		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-504341/4

Matrix: Water
Lab File ID: GY09X33.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 05/09/2024 18:34

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.: 504341
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.28		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.87		0.50	0.080
79-01-6	Trichloroethene	5.35		0.50	0.080
75-01-4	Vinyl chloride	4.62		0.50	0.10
1330-20-7	Xylenes, Total	15.8		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)	96		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X33.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 09-May-2024 18:34:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-004
Misc. Info.: LCS
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-May-2024 19:43:07 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: CTX1665

First Level Reviewer: JS6E Date: 09-May-2024 19:01:51

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	1.843	0.012	99	293127	5.00	3.57	
5 Chloromethane	50	2.026	2.026	0.000	99	356578	5.00	4.59	
6 Vinyl chloride	62	2.142	2.135	0.007	98	353610	5.00	4.62	
7 Butadiene	39	2.154	2.148	0.006	92	373100	5.00	5.00	
9 Bromomethane	94	2.453	2.446	0.007	92	252011	5.00	4.26	
10 Chloroethane	64	2.538	2.526	0.012	100	227994	5.00	5.05	
11 Dichlorofluoromethane	67	2.757	2.751	0.006	97	562413	5.00	4.31	
12 Trichlorofluoromethane	101	2.812	2.812	0.000	97	427547	5.00	4.07	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.135	3.129	0.006	93	364625	5.00	5.12	
18 1,1-Dichloroethene	96	3.337	3.330	0.007	98	282944	5.00	5.40	
19 Acetone	43	3.367	3.361	0.006	100	431344	62.5	67.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.379	3.367	0.012	85	261956	5.00	4.85	
22 Iodomethane	142	3.513	3.507	0.006	99	501988	5.00	4.63	
21 Isopropyl alcohol	45	3.544	3.532	0.012	99	41622	37.5	39.1	
24 Carbon disulfide	76	3.617	3.605	0.012	99	950141	5.00	5.32	
25 Methyl acetate	43	3.769	3.757	0.012	37	87689	5.00	4.78	
27 3-Chloro-1-propene	41	3.782	3.775	0.007	91	448147	5.00	5.17	
29 Methylene Chloride	84	3.958	3.946	0.012	92	325779	5.00	5.70	
* 30 t-Butyl alcohol-d10 (IS)	65	3.989	3.977	0.012	99	116540	50.0	50.0	
31 2-Methyl-2-propanol	59	4.099	4.086	0.013	99	115493	50.0	50.6	
32 Acrylonitrile	53	4.288	4.275	0.013	98	270617	25.0	34.8	
33 Methyl tert-butyl ether	73	4.342	4.336	0.006	95	648978	5.00	5.16	
34 trans-1,2-Dichloroethene	96	4.349	4.342	0.007	99	332272	5.00	5.28	
35 Hexane	57	4.781	4.775	0.006	93	414500	5.00	5.86	
37 1,1-Dichloroethane	63	5.013	5.001	0.012	96	609408	5.00	5.77	
38 Isopropyl ether	45	5.080	5.074	0.006	94	988333	5.00	5.62	
39 2-Chloro-1,3-butadiene	53	5.123	5.117	0.006	91	465393	5.00	5.17	
40 Tert-butyl ethyl ether	59	5.617	5.610	0.007	98	872846	5.00	5.33	
41 2-Butanone (MEK)	43	5.836	5.824	0.012	100	788614	62.5	78.3	
42 cis-1,2-Dichloroethene	96	5.848	5.842	0.006	82	374902	5.00	5.33	
43 2,2-Dichloropropane	77	5.860	5.860	0.000	87	529391	5.00	5.39	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 Propionitrile	54	5.921	5.915	0.006	99	146597	37.5	51.5	
48 Methacrylonitrile	67	6.135	6.129	0.006	92	514795	37.5	47.8	
49 Chlorobromomethane	128	6.184	6.171	0.013	93	149747	5.00	5.46	
50 Tetrahydrofuran	71	6.208	6.202	0.006	86	89629	25.0	31.2	
51 Chloroform	83	6.336	6.330	0.006	93	622914	5.00	5.35	
$ 52 Dibromofluoromethane (Surr)	113	6.549	6.549	0.000	93	594770	10.0	9.65	
53 1,1,1-Trichloroethane	97	6.562	6.555	0.007	98	539400	5.00	5.25	
54 Cyclohexane	56	6.659	6.653	0.006	91	499486	5.00	5.60	
55 Carbon tetrachloride	117	6.769	6.769	0.000	96	466580	5.00	5.17	
56 1,1-Dichloropropene	75	6.775	6.769	0.006	97	460444	5.00	5.54	
58 Isobutyl alcohol	41	6.976	6.964	0.012	92	94276	125.0	138.2	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.007	7.000	0.007	90	111439	10.0	9.98	
60 Benzene	78	7.037	7.031	0.006	97	1410248	5.00	5.66	
61 1,2-Dichloroethane	62	7.110	7.104	0.006	97	331055	5.00	5.20	
63 Tert-amyl methyl ether	73	7.238	7.232	0.006	99	741071	5.00	5.30	
* 64 Fluorobenzene (IS)	96	7.446	7.439	0.007	98	2582283	10.0	10.0	
65 n-Heptane	43	7.464	7.458	0.006	94	465597	5.00	6.32	
67 n-Butanol	56	7.872	7.854	0.018	89	147307	250.0	285.9	
68 Trichloroethene	95	7.927	7.921	0.006	99	370927	5.00	5.35	
69 Methylcyclohexane	83	8.232	8.226	0.006	91	526639	5.00	5.39	
70 1,2-Dichloropropane	63	8.256	8.250	0.006	94	351439	5.00	6.01	
71 2-ethoxy-2-methyl butane	87	8.275	8.274	0.001	92	491947	5.00	4.93	
73 1,4-Dioxane	88	8.378	8.354	0.024	31	27252	125.0	160.1	
72 Methyl methacrylate	69	8.360	8.354	0.006	89	115755	5.00	5.75	
74 Dibromomethane	93	8.366	8.360	0.006	97	153614	5.00	5.54	
76 Dichlorobromomethane	83	8.604	8.598	0.006	99	417276	5.00	5.48	
77 2-Nitropropane	41	8.878	8.878	0.000	98	34876	5.00	4.84	
79 1-Bromo-2-chloroethane	63	8.994	8.988	0.006	99	308344	5.00	6.20	
81 cis-1,3-Dichloropropene	75	9.165	9.158	0.007	96	461104	5.00	5.32	
82 4-Methyl-2-pentanone (MIBK)	43	9.354	9.354	0.000	97	2000854	62.5	79.0	
$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2527884	10.0	10.4	
84 Toluene	92	9.561	9.561	0.000	98	905595	5.00	5.58	
85 trans-1,3-Dichloropropene	75	9.829	9.829	0.000	93	389924	5.00	5.87	
86 Ethyl methacrylate	69	9.902	9.902	0.000	89	246370	5.00	5.56	
107 1,1,2-Trichloroethane	97	10.036	10.036	0.000	91	218487	5.00	5.92	
108 Tetrachloroethene	166	10.122	10.122	0.000	98	396814	5.00	5.13	
109 1,3-Dichloropropane	76	10.201	10.201	0.000	91	376495	5.00	6.01	
110 2-Hexanone	43	10.268	10.262	0.006	96	1331256	62.5	84.6	
112 Chlorodibromomethane	129	10.414	10.414	0.000	90	264613	5.00	5.35	
113 Ethylene Dibromide	107	10.524	10.524	0.000	98	201984	5.00	5.78	
* 114 Chlorobenzene-d5 (IS)	117	10.969	10.963	0.006	86	1870591	10.0	10.0	
115 1-Chlorohexane	91	10.981	10.981	0.000	98	453460	5.00	5.00	
116 Chlorobenzene	112	10.994	10.993	0.001	94	1008311	5.00	5.48	
117 1,1,1,2-Tetrachloroethane	131	11.073	11.073	0.000	95	350418	5.00	5.34	
118 Ethylbenzene	91	11.079	11.079	0.000	99	1774776	5.00	5.51	
120 m-Xylene & p-Xylene	106	11.201	11.195	0.006	100	1350812	10.0	10.7	
121 o-Xylene	106	11.530	11.530	0.000	97	643915	5.00	5.13	
122 Styrene	104	11.542	11.542	0.000	95	1059393	5.00	5.41	
123 Bromoform	173	11.695	11.695	0.000	96	150737	5.00	5.17	
124 Isopropylbenzene	105	11.829	11.829	0.000	96	1698055	5.00	5.53	
$ 127 4-Bromofluorobenzene (Surr)	95	11.975	11.969	0.006	90	901748	10.0	10.1	
128 1,1,2,2-Tetrachloroethane	83	12.079	12.079	0.000	94	254206	5.00	6.19	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
129 Bromobenzene	156	12.085	12.085	0.000	97	411361	5.00	5.34	
130 trans-1,4-Dichloro-2-butene	53	12.103	12.103	0.000	93	272831	25.0	23.3	
131 1,2,3-Trichloropropane	110	12.121	12.121	0.000	82	68626	5.00	5.91	
132 N-Propylbenzene	91	12.158	12.158	0.000	99	2129593	5.00	5.79	
133 2-Chlorotoluene	126	12.237	12.231	0.006	96	422768	5.00	5.35	
134 1,3,5-Trimethylbenzene	105	12.298	12.298	0.000	93	1507610	5.00	5.55	
135 4-Chlorotoluene	126	12.329	12.329	0.000	97	452551	5.00	5.54	
136 tert-Butylbenzene	134	12.536	12.536	0.000	93	302801	5.00	4.85	
138 1,2,4-Trimethylbenzene	105	12.579	12.579	0.000	98	1551830	5.00	5.53	
139 sec-Butylbenzene	105	12.701	12.700	0.001	95	1913221	5.00	5.48	
140 1,3-Dichlorobenzene	146	12.798	12.798	0.000	98	865196	5.00	5.38	
141 4-Isopropyltoluene	119	12.810	12.804	0.006	97	1639370	5.00	5.29	
* 142 1,4-Dichlorobenzene-d4	152	12.853	12.853	0.000	94	1018632	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.871	12.871	0.000	96	875577	5.00	5.35	
144 1,2,3-Trimethylbenzene	120	12.883	12.883	0.000	98	639098	5.00	5.07	
145 Benzyl chloride	126	12.951	12.944	0.007	99	104411	5.00	5.85	
146 p-Diethylbenzene	119	13.005	13.005	0.000	91	975471	5.00	5.35	
147 n-Butylbenzene	92	13.097	13.097	0.000	97	894948	5.00	5.81	
148 1,2-Dichlorobenzene	146	13.127	13.127	0.000	98	759989	5.00	5.38	
150 1,2-Dibromo-3-Chloropropane	155	13.670	13.670	0.000	85	31010	5.00	5.49	
151 1,3,5-Trichlorobenzene	180	13.792	13.792	0.000	97	690091	5.00	5.33	
152 1,2,4-Trichlorobenzene	180	14.212	14.212	0.000	94	533567	5.00	5.42	
153 Hexachlorobutadiene	225	14.292	14.292	0.000	97	310102	5.00	5.49	
154 Naphthalene	128	14.389	14.389	0.000	97	729420	5.00	5.82	
155 1,2,3-Trichlorobenzene	180	14.530	14.529	0.001	95	411450	5.00	5.65	
156 2-Methylnaphthalene	142	15.127	15.127	0.000	92	323642	5.00	7.75	
167 Pentane	43	2.855	2.843	0.012	97	490615	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_LCS_VOC#1_00165	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00196	Amount Added: 12.50	Units: uL	
MSV_HP25_ISSS_00087	Amount Added: 1.00	Units: uL	Run Reagent

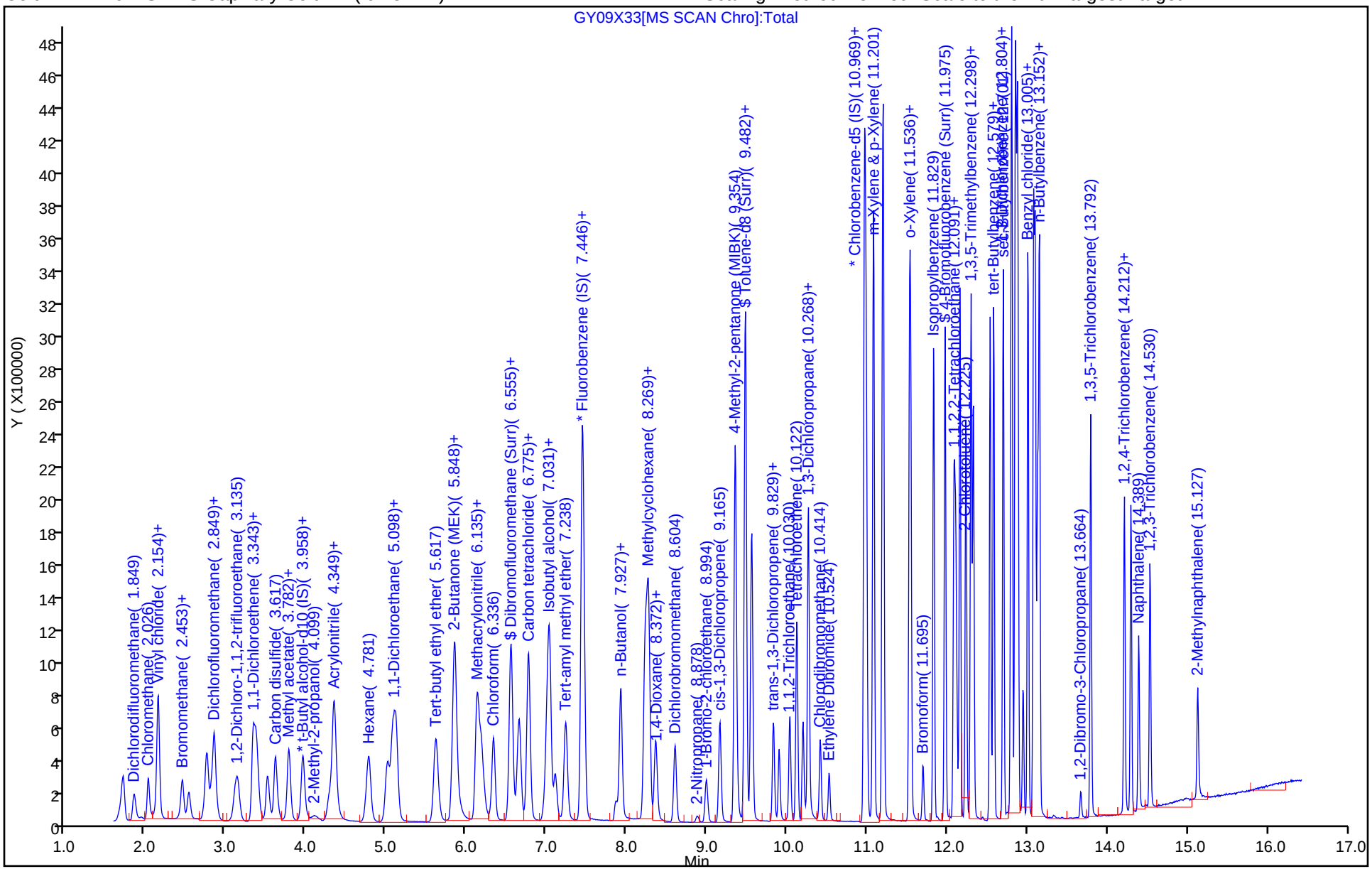
Report Date: 09-May-2024 19:43:11 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X33.D

Injection Date:	09-May-2024 18:34:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	LCS			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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X33.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 09-May-2024 18:34:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-004
Misc. Info.: LCS
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-May-2024 19:43:07 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: CTX1665

First Level Reviewer: JS6E Date: 09-May-2024 19:01:51

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.65	96.45
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.98	99.84
$ 83 Toluene-d8 (Surr)	10.0	10.4	104.21
$ 127 4-Bromofluorobenzene (Surr)	10.0	10.1	101.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MS MS
Lab Sample ID: 410-169938-6 MS

Matrix: Water
Lab File ID: GY09X43.D

Analysis Method: 8260D
Date Collected: 04/29/2024 11:20

Sample wt/vol: 25(mL)
Date Analyzed: 05/09/2024 22:14

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.: 504341
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	6.09		0.50	0.070
71-55-6	1,1,1-Trichloroethane	6.63		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	6.65		0.50	0.10
79-00-5	1,1,2-Trichloroethane	6.56		0.50	0.080
75-34-3	1,1-Dichloroethane	6.92		0.50	0.10
75-35-4	1,1-Dichloroethene	6.89		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	6.34		0.50	0.080
107-06-2	1,2-Dichloroethane	6.09		0.50	0.070
78-87-5	1,2-Dichloropropane	6.93		0.50	0.10
78-93-3	2-Butanone (MEK)	76.8		5.0	1.0
591-78-6	2-Hexanone	83.7		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	78.0		5.0	1.0
67-64-1	Acetone	65.7		5.0	1.5
71-43-2	Benzene	6.62		0.50	0.10
74-97-5	Bromochloromethane	6.15		0.50	0.080
75-27-4	Bromodichloromethane	6.27		0.50	0.080
75-25-2	Bromoform	5.66		1.0	0.30
74-83-9	Bromomethane	5.22		0.50	0.10
75-15-0	Carbon disulfide	6.67		1.0	0.10
56-23-5	Carbon tetrachloride	6.34		0.50	0.10
108-90-7	Chlorobenzene	6.35		0.50	0.070
75-00-3	Chloroethane	6.28		0.50	0.10
67-66-3	Chloroform	6.40		0.50	0.090
74-87-3	Chloromethane	5.95		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	7.25		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	6.17		0.50	0.10
124-48-1	Dibromochloromethane	6.11		0.50	0.080
100-41-4	Ethylbenzene	6.58		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.68		0.50	0.080
75-09-2	Methylene Chloride	6.50		0.50	0.20
100-42-5	Styrene	6.21		0.50	0.070
127-18-4	Tetrachloroethene	12.3		0.50	0.20
108-88-3	Toluene	6.56		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MS MS
Lab Sample ID: 410-169938-6 MS

Matrix: Water
Lab File ID: GY09X43.D

Analysis Method: 8260D
Date Collected: 04/29/2024 11:20

Sample wt/vol: 25(mL)
Date Analyzed: 05/09/2024 22:14

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.: 504341
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	6.39		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	6.70		0.50	0.080
79-01-6	Trichloroethene	7.59		0.50	0.080
75-01-4	Vinyl chloride	5.98		0.50	0.10
1330-20-7	Xylenes, Total	18.7		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)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		80-120
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X43.D
Lims ID: 410-169938-A-6 MS
Client ID: HD-COD-SW-15-0/1-0 MS
Sample Type: MS
Inject. Date: 09-May-2024 22:14:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-014
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 09:51:01 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: CTX1619

First Level Reviewer: N9NA Date: 10-May-2024 09:51:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.843	0.006	99	383409	5.00	4.76	
5 Chloromethane	50	2.032	2.026	0.006	99	453796	5.00	5.95	
6 Vinyl chloride	62	2.142	2.135	0.007	98	449258	5.00	5.98	
7 Butadiene	39	2.154	2.148	0.006	94	487101	5.00	6.64	
9 Bromomethane	94	2.452	2.446	0.006	91	303212	5.00	5.22	
10 Chloroethane	64	2.532	2.526	0.006	100	278623	5.00	6.28	
11 Dichlorofluoromethane	67	2.757	2.751	0.006	97	686850	5.00	5.36	
12 Trichlorofluoromethane	101	2.818	2.812	0.006	97	561660	5.00	5.44	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.141	3.129	0.012	93	461081	5.00	6.59	
18 1,1-Dichloroethene	96	3.336	3.330	0.006	98	354666	5.00	6.89	
19 Acetone	43	3.373	3.361	0.012	100	450818	62.6	65.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.379	3.367	0.012	91	335175	5.00	6.31	
22 Iodomethane	142	3.519	3.507	0.012	99	586223	5.00	5.50	
21 Isopropyl alcohol	45	3.544	3.532	0.012	99	71311	37.5	68.2	
24 Carbon disulfide	76	3.617	3.605	0.012	99	1170655	5.00	6.67	
25 Methyl acetate	43	3.769	3.757	0.012	35	101452	5.00	5.17	
27 3-Chloro-1-propene	41	3.781	3.775	0.006	92	529535	5.00	6.22	
29 Methylene Chloride	84	3.958	3.946	0.012	92	364699	5.00	6.50	
* 30 t-Butyl alcohol-d10 (IS)	65	3.983	3.977	0.006	99	124545	50.0	50.0	
31 2-Methyl-2-propanol	59	4.105	4.086	0.019	98	120764	50.0	49.5	
32 Acrylonitrile	53	4.281	4.275	0.006	100	282094	25.0	34.0	
33 Methyl tert-butyl ether	73	4.342	4.336	0.006	96	701896	5.00	5.68	
34 trans-1,2-Dichloroethene	96	4.355	4.342	0.012	99	395242	5.00	6.39	
35 Hexane	57	4.781	4.775	0.006	93	542180	5.00	7.81	
37 1,1-Dichloroethane	63	5.013	5.001	0.012	96	718451	5.00	6.92	
38 Isopropyl ether	45	5.080	5.074	0.006	94	1100883	5.00	6.37	
39 2-Chloro-1,3-butadiene	53	5.123	5.117	0.006	91	573409	5.00	6.48	
40 Tert-butyl ethyl ether	59	5.616	5.610	0.006	98	981424	5.00	6.10	
41 2-Butanone (MEK)	43	5.836	5.824	0.012	100	827221	62.6	76.8	
42 cis-1,2-Dichloroethene	96	5.854	5.842	0.012	82	501453	5.00	7.25	
43 2,2-Dichloropropane	77	5.860	5.860	0.000	86	619287	5.00	6.42	
45 Propionitrile	54	5.927	5.915	0.012	97	146577	37.5	48.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
48 Methacrylonitrile	67	6.135	6.129	0.006	91	546625	37.5	47.5	
49 Chlorobromomethane	128	6.177	6.171	0.006	94	165669	5.00	6.15	
50 Tetrahydrofuran	71	6.214	6.202	0.012	88	94613	25.0	30.8	
51 Chloroform	83	6.336	6.330	0.006	93	731471	5.00	6.40	
$ 52 Dibromofluoromethane (Surr)	113	6.555	6.549	0.006	93	586533	10.0	9.68	
53 1,1,1-Trichloroethane	97	6.561	6.555	0.006	98	669584	5.00	6.63	
54 Cyclohexane	56	6.659	6.653	0.006	91	640531	5.00	7.31	
55 Carbon tetrachloride	117	6.769	6.769	0.000	97	562053	5.00	6.34	
56 1,1-Dichloropropene	75	6.781	6.769	0.012	98	557858	5.00	6.83	
58 Isobutyl alcohol	41	6.976	6.964	0.012	88	93344	125.1	139.3	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.006	7.000	0.006	91	110633	10.0	10.1	
60 Benzene	78	7.037	7.031	0.006	97	1621489	5.00	6.62	
61 1,2-Dichloroethane	62	7.110	7.104	0.006	97	380973	5.00	6.09	
63 Tert-amyl methyl ether	73	7.244	7.232	0.012	99	806465	5.00	5.87	
* 64 Fluorobenzene (IS)	96	7.445	7.439	0.006	97	2537469	10.0	10.0	
65 n-Heptane	43	7.464	7.458	0.006	92	602628	5.00	8.33	
67 n-Butanol	56	7.866	7.854	0.012	91	154454	250.2	280.5	
68 Trichloroethene	95	7.927	7.921	0.006	98	517341	5.00	7.59	
69 Methylcyclohexane	83	8.232	8.226	0.006	93	692369	5.00	7.21	
70 1,2-Dichloropropane	63	8.256	8.250	0.006	93	397833	5.00	6.93	
71 2-ethoxy-2-methyl butane	87	8.274	8.274	0.000	92	549691	5.00	5.60	
73 1,4-Dioxane	88	8.378	8.354	0.024	31	28520	125.1	156.8	
72 Methyl methacrylate	69	8.360	8.354	0.006	90	122044	5.00	5.67	
74 Dibromomethane	93	8.366	8.360	0.006	96	165584	5.00	6.07	
76 Dichlorobromomethane	83	8.604	8.598	0.006	99	468556	5.00	6.27	
77 2-Nitropropane	41	8.884	8.878	0.006	98	38035	5.00	4.94	
79 1-Bromo-2-chloroethane	63	8.994	8.988	0.006	99	341677	5.00	6.99	
81 cis-1,3-Dichloropropene	75	9.165	9.158	0.007	96	525592	5.00	6.17	
82 4-Methyl-2-pentanone (MIBK)	43	9.354	9.354	0.000	97	2111040	62.6	78.0	
$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2471652	10.0	10.5	
84 Toluene	92	9.561	9.561	0.000	98	1038933	5.00	6.56	
85 trans-1,3-Dichloropropene	75	9.829	9.829	0.000	94	433864	5.00	6.70	
86 Ethyl methacrylate	69	9.902	9.902	0.000	89	270498	5.00	6.26	
107 1,1,2-Trichloroethane	97	10.036	10.036	0.000	91	235689	5.00	6.56	
108 Tetrachloroethene	166	10.122	10.122	0.000	97	926322	5.00	12.3	
109 1,3-Dichloropropane	76	10.201	10.201	0.000	90	408556	5.00	6.69	
110 2-Hexanone	43	10.268	10.262	0.006	97	1407357	62.6	83.7	
112 Chlorodibromomethane	129	10.414	10.414	0.000	90	294395	5.00	6.11	
113 Ethylene Dibromide	107	10.524	10.524	0.000	98	215757	5.00	6.34	
* 114 Chlorobenzene-d5 (IS)	117	10.969	10.963	0.006	86	1823377	10.0	10.0	
115 1-Chlorohexane	91	10.981	10.981	0.000	98	553895	5.00	6.26	
116 Chlorobenzene	112	10.993	10.993	0.000	94	1139942	5.00	6.35	
117 1,1,1,2-Tetrachloroethane	131	11.073	11.073	0.000	95	390186	5.00	6.09	
118 Ethylbenzene	91	11.079	11.079	0.000	99	2065868	5.00	6.58	
120 m-Xylene & p-Xylene	106	11.201	11.195	0.006	100	1557111	10.0	12.6	
121 o-Xylene	106	11.530	11.530	0.000	97	745351	5.00	6.09	
122 Styrene	104	11.542	11.542	0.000	94	1186441	5.00	6.21	
123 Bromoform	173	11.701	11.695	0.006	97	160853	5.00	5.66	
124 Isopropylbenzene	105	11.829	11.829	0.000	96	1998341	5.00	6.68	
$ 127 4-Bromofluorobenzene (Surr)	95	11.975	11.969	0.006	91	888716	10.0	10.3	
128 1,1,2,2-Tetrachloroethane	83	12.079	12.079	0.000	94	269358	5.00	6.65	
129 Bromobenzene	156	12.091	12.085	0.006	97	455986	5.00	6.00	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
130 trans-1,4-Dichloro-2-butene	53	12.103	12.103	0.000	92	270477	25.0	21.6	
131 1,2,3-Trichloropropane	110	12.121	12.121	0.000	82	72240	5.00	6.30	
132 N-Propylbenzene	91	12.158	12.158	0.000	99	2521397	5.00	6.94	
133 2-Chlorotoluene	126	12.237	12.231	0.006	97	480728	5.00	6.16	
134 1,3,5-Trimethylbenzene	105	12.298	12.298	0.000	94	1723512	5.00	6.42	
135 4-Chlorotoluene	126	12.329	12.329	0.000	98	504661	5.00	6.26	
136 tert-Butylbenzene	134	12.536	12.536	0.000	93	358041	5.00	5.81	
138 1,2,4-Trimethylbenzene	105	12.579	12.579	-0.001	98	1743561	5.00	6.30	
139 sec-Butylbenzene	105	12.700	12.700	0.000	94	2258641	5.00	6.56	
140 1,3-Dichlorobenzene	146	12.798	12.798	0.000	98	954820	5.00	6.01	
141 4-Isopropyltoluene	119	12.804	12.804	0.000	97	1909246	5.00	6.24	
* 142 1,4-Dichlorobenzene-d4	152	12.853	12.853	0.000	94	1005370	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.871	12.871	0.000	94	965167	5.00	5.98	
144 1,2,3-Trimethylbenzene	120	12.883	12.883	0.000	99	714049	5.00	5.74	
145 Benzyl chloride	126	12.950	12.944	0.006	99	112373	5.00	6.38	
146 p-Diethylbenzene	119	13.005	13.005	0.000	91	1133751	5.00	6.30	
147 n-Butylbenzene	92	13.097	13.097	0.000	97	1049815	5.00	6.90	
148 1,2-Dichlorobenzene	146	13.127	13.127	0.000	98	840964	5.00	6.03	
150 1,2-Dibromo-3-Chloropropane	155	13.664	13.670	-0.006	84	32057	5.00	5.75	
151 1,3,5-Trichlorobenzene	180	13.792	13.792	0.000	97	762462	5.00	5.97	
152 1,2,4-Trichlorobenzene	180	14.212	14.212	0.000	94	586654	5.00	6.04	
153 Hexachlorobutadiene	225	14.292	14.292	0.000	97	361721	5.00	6.49	
154 Naphthalene	128	14.389	14.389	0.000	97	755533	5.00	6.11	
155 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	96	436185	5.00	6.07	
156 2-Methylnaphthalene	142	15.127	15.127	0.000	92	290414	5.00	7.04	
167 Pentane	43	2.849	2.843	0.006	96	619915	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_QC_Gas826_00196	Amount Added:	5.38	Units: uL	
MSV_LCS_VOC#1_00165	Amount Added:	5.38	Units: uL	
MSV_HP25_ISSS_00087	Amount Added:	1.00	Units: uL	Run Reagent

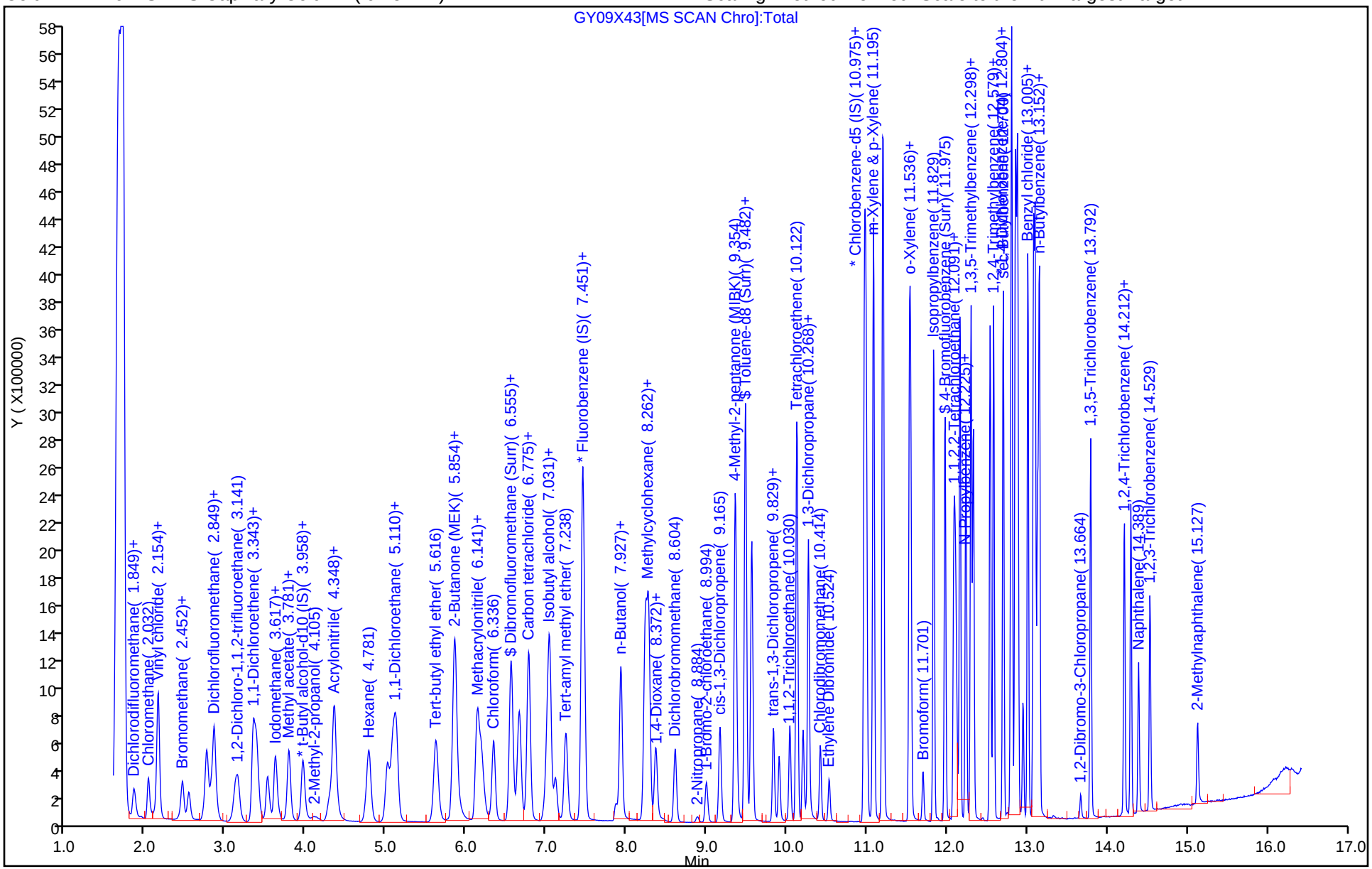
Report Date: 10-May-2024 09:51:45 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X43.D

Injection Date:	09-May-2024 22:14:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	410-169938-A-6 MS			Worklist Smp#:	14
Client ID:	HD-COD-SW-15-0/1-0 MS				
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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X43.D				
Lims ID:	410-169938-A-6 MS				
Client ID:	HD-COD-SW-15-0/1-0 MS				
Sample Type:	MS				
Inject. Date:	09-May-2024 22:14:30	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0113528-014				
Operator ID:	gaw91131	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	10-May-2024 09:51:01	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:	CTX1619				

First Level Reviewer: N9NA Date: 10-May-2024 09:51:44

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.68	96.79
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.87
$ 83 Toluene-d8 (Surr)	10.0	10.5	104.53
$ 127 4-Bromofluorobenzene (Surr)	10.0	10.3	102.59

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MSD MSD
Lab Sample ID: 410-169938-6 MSD

Matrix: Water
Lab File ID: GY09X44.D

Analysis Method: 8260D
Date Collected: 04/29/2024 11:20

Sample wt/vol: 25(mL)
Date Analyzed: 05/09/2024 22:37

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.: 504341
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.33		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.82		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.91		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.70		0.50	0.080
75-34-3	1,1-Dichloroethane	6.03		0.50	0.10
75-35-4	1,1-Dichloroethene	6.01		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.56		0.50	0.080
107-06-2	1,2-Dichloroethane	5.33		0.50	0.070
78-87-5	1,2-Dichloropropane	6.05		0.50	0.10
78-93-3	2-Butanone (MEK)	70.1		5.0	1.0
591-78-6	2-Hexanone	76.7		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	70.9		5.0	1.0
67-64-1	Acetone	59.1		5.0	1.5
71-43-2	Benzene	5.80		0.50	0.10
74-97-5	Bromochloromethane	5.37		0.50	0.080
75-27-4	Bromodichloromethane	5.50		0.50	0.080
75-25-2	Bromoform	4.94		1.0	0.30
74-83-9	Bromomethane	4.65		0.50	0.10
75-15-0	Carbon disulfide	5.83		1.0	0.10
56-23-5	Carbon tetrachloride	5.58		0.50	0.10
108-90-7	Chlorobenzene	5.53		0.50	0.070
75-00-3	Chloroethane	5.53		0.50	0.10
67-66-3	Chloroform	5.56		0.50	0.090
74-87-3	Chloromethane	5.31		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	6.37		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.39		0.50	0.10
124-48-1	Dibromochloromethane	5.30		0.50	0.080
100-41-4	Ethylbenzene	5.75		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.05		0.50	0.080
75-09-2	Methylene Chloride	5.66		0.50	0.20
100-42-5	Styrene	5.48		0.50	0.070
127-18-4	Tetrachloroethene	10.7		0.50	0.20
108-88-3	Toluene	5.76		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-169938-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MSD MSD
Lab Sample ID: 410-169938-6 MSD

Matrix: Water
Lab File ID: GY09X44.D

Analysis Method: 8260D
Date Collected: 04/29/2024 11:20

Sample wt/vol: 25(mL)
Date Analyzed: 05/09/2024 22:37

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.: 504341
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.52		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.89		0.50	0.080
79-01-6	Trichloroethene	6.64		0.50	0.080
75-01-4	Vinyl chloride	5.40		0.50	0.10
1330-20-7	Xylenes, Total	16.3		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)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X44.D
Lims ID: 410-169938-A-6 MSD
Client ID: HD-COD-SW-15-0/1-0 MSD
Sample Type: MSD
Inject. Date: 09-May-2024 22:37:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0113528-015
Operator ID: gaw91131 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-May-2024 10:07:10 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: CTX1619

First Level Reviewer: N9NA Date: 10-May-2024 10:07:10

	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	100	399817	5.00	4.26	
5	Chloromethane	50	2.026	2.026	0.000	99	471776	5.00	5.31	
6	Vinyl chloride	62	2.135	2.135	0.000	98	472095	5.00	5.40	
7	Butadiene	39	2.148	2.148	0.000	91	523413	5.00	6.13	
9	Bromomethane	94	2.446	2.446	0.000	91	314431	5.00	4.65	
10	Chloroethane	64	2.526	2.526	0.000	100	285796	5.00	5.53	
11	Dichlorofluoromethane	67	2.751	2.751	0.000	97	694086	5.00	4.65	
12	Trichlorofluoromethane	101	2.812	2.812	0.000	97	581923	5.00	4.84	
16	1,2-Dichloro-1,1,2-trifluoroetha	67	3.129	3.129	0.000	95	466337	5.00	5.73	
18	1,1-Dichloroethene	96	3.330	3.330	0.000	98	360375	5.00	6.01	
19	Acetone	43	3.367	3.361	0.006	100	458053	62.6	59.1	
20	1,1,2-Trichloro-1,2,2-trifluoroe	101	3.367	3.367	0.000	91	342011	5.00	5.54	
22	Iodomethane	142	3.507	3.507	0.000	99	594903	5.00	4.79	
21	Isopropyl alcohol	45	3.532	3.532	0.000	97	53990	37.5	44.4	
24	Carbon disulfide	76	3.611	3.605	0.006	99	1189604	5.00	5.83	
25	Methyl acetate	43	3.769	3.757	0.012	32	99723	5.00	4.50	
27	3-Chloro-1-propene	41	3.775	3.775	0.000	92	539990	5.00	5.45	
29	Methylene Chloride	84	3.952	3.946	0.006	92	369641	5.00	5.66	
* 30	t-Butyl alcohol-d10 (IS)	65	3.977	3.977	0.000	99	140726	50.0	50.0	
31	2-Methyl-2-propanol	59	4.086	4.086	0.000	99	122144	50.0	44.3	
32	Acrylonitrile	53	4.281	4.275	0.006	99	287825	25.0	30.7	
33	Methyl tert-butyl ether	73	4.342	4.336	0.006	82	727116	5.00	5.05	
34	trans-1,2-Dichloroethene	96	4.342	4.342	0.000	99	397215	5.00	5.52	
35	Hexane	57	4.775	4.775	0.000	93	556385	5.00	6.88	
37	1,1-Dichloroethane	63	5.007	5.001	0.006	96	728789	5.00	6.03	
38	Isopropyl ether	45	5.074	5.074	0.000	94	1135466	5.00	5.64	
39	2-Chloro-1,3-butadiene	53	5.123	5.117	0.006	92	579358	5.00	5.62	
40	Tert-butyl ethyl ether	59	5.610	5.610	0.000	98	1006475	5.00	5.37	
41	2-Butanone (MEK)	43	5.830	5.824	0.006	100	853453	62.6	70.1	
42	cis-1,2-Dichloroethene	96	5.848	5.842	0.006	82	513238	5.00	6.37	
43	2,2-Dichloropropane	77	5.860	5.860	0.000	86	632260	5.00	5.63	
45	Propionitrile	54	5.927	5.915	0.012	98	156142	37.5	45.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
48 Methacrylonitrile	67	6.135	6.129	0.006	91	555496	37.5	42.8	
49 Chlorobromomethane	128	6.177	6.171	0.006	93	168226	5.00	5.37	
50 Tetrahydrofuran	71	6.208	6.202	0.006	78	93957	25.0	27.1	
51 Chloroform	83	6.336	6.330	0.006	93	740357	5.00	5.56	
$ 52 Dibromofluoromethane (Surr)	113	6.549	6.549	0.000	93	674961	10.0	9.57	
53 1,1,1-Trichloroethane	97	6.555	6.555	0.000	97	684242	5.00	5.82	
54 Cyclohexane	56	6.653	6.653	0.000	91	662383	5.00	6.50	
55 Carbon tetrachloride	117	6.769	6.769	0.000	97	575873	5.00	5.58	
56 1,1-Dichloropropene	75	6.769	6.769	0.000	98	566195	5.00	5.95	
58 Isobutyl alcohol	41	6.964	6.964	0.000	89	90839	125.1	116.5	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.000	7.000	0.000	84	128788	10.0	10.1	
60 Benzene	78	7.037	7.031	0.006	97	1654656	5.00	5.80	
61 1,2-Dichloroethane	62	7.110	7.104	0.006	97	388114	5.00	5.33	
63 Tert-amyl methyl ether	73	7.238	7.232	0.006	99	833641	5.00	5.21	
* 64 Fluorobenzene (IS)	96	7.445	7.439	0.006	99	2953633	10.0	10.0	
65 n-Heptane	43	7.464	7.458	0.006	92	619426	5.00	7.36	
67 n-Butanol	56	7.866	7.854	0.012	90	159106	250.2	255.7	
68 Trichloroethene	95	7.921	7.921	0.000	99	526801	5.00	6.64	
69 Methylcyclohexane	83	8.226	8.226	0.000	93	709556	5.00	6.35	
70 1,2-Dichloropropane	63	8.250	8.250	0.000	96	404630	5.00	6.05	
71 2-ethoxy-2-methyl butane	87	8.275	8.274	0.001	93	556366	5.00	4.87	
73 1,4-Dioxane	88	8.360	8.354	0.006	31	22310	125.1	108.6	Ma
72 Methyl methacrylate	69	8.354	8.354	0.000	92	122889	5.00	5.06	
74 Dibromomethane	93	8.360	8.360	0.000	96	170423	5.00	5.37	
76 Dichlorobromomethane	83	8.604	8.598	0.006	99	478398	5.00	5.50	
77 2-Nitropropane	41	8.878	8.878	0.000	98	37817	5.00	4.35	
79 1-Bromo-2-chloroethane	63	8.994	8.988	0.006	99	350078	5.00	6.15	
81 cis-1,3-Dichloropropene	75	9.165	9.158	0.007	96	534718	5.00	5.39	
82 4-Methyl-2-pentanone (MIBK)	43	9.354	9.354	0.000	97	2169230	62.6	70.9	
$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2888449	10.0	10.4	
84 Toluene	92	9.561	9.561	0.000	98	1066812	5.00	5.76	
85 trans-1,3-Dichloropropene	75	9.829	9.829	0.000	93	446811	5.00	5.89	
86 Ethyl methacrylate	69	9.902	9.902	0.000	89	278496	5.00	5.50	
107 1,1,2-Trichloroethane	97	10.036	10.036	0.000	91	240068	5.00	5.70	
108 Tetrachloroethene	166	10.122	10.122	0.000	97	946016	5.00	10.7	
109 1,3-Dichloropropane	76	10.201	10.201	0.000	91	417594	5.00	5.84	
110 2-Hexanone	43	10.268	10.262	0.006	97	1457511	62.6	76.7	
112 Chlorodibromomethane	129	10.414	10.414	0.000	90	299463	5.00	5.30	
113 Ethylene Dibromide	107	10.524	10.524	0.000	99	221537	5.00	5.56	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	2135424	10.0	10.0	
115 1-Chlorohexane	91	10.981	10.981	0.000	97	569611	5.00	5.50	
116 Chlorobenzene	112	10.994	10.993	0.001	94	1162680	5.00	5.53	
117 1,1,1,2-Tetrachloroethane	131	11.073	11.073	0.000	95	399515	5.00	5.33	
118 Ethylbenzene	91	11.079	11.079	0.000	99	2114701	5.00	5.75	
120 m-Xylene & p-Xylene	106	11.201	11.195	0.006	100	1586666	10.0	11.0	
121 o-Xylene	106	11.530	11.530	0.000	97	761530	5.00	5.31	
122 Styrene	104	11.542	11.542	0.000	94	1224990	5.00	5.48	
123 Bromoform	173	11.701	11.695	0.006	96	164117	5.00	4.94	
124 Isopropylbenzene	105	11.829	11.829	0.000	96	2068912	5.00	5.90	
$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	90	1037745	10.0	10.2	
128 1,1,2,2-Tetrachloroethane	83	12.079	12.079	0.000	94	282621	5.00	5.91	
129 Bromobenzene	156	12.085	12.085	0.000	96	465118	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
130 trans-1,4-Dichloro-2-butene	53	12.103	12.103	0.000	92	271463	25.0	19.2	
131 1,2,3-Trichloropropane	110	12.121	12.121	0.000	83	73911	5.00	5.46	
132 N-Propylbenzene	91	12.158	12.158	0.000	99	2568579	5.00	5.98	
133 2-Chlorotoluene	126	12.231	12.231	0.000	96	495365	5.00	5.37	
134 1,3,5-Trimethylbenzene	105	12.298	12.298	0.000	93	1764760	5.00	5.57	
135 4-Chlorotoluene	126	12.329	12.329	0.000	97	529292	5.00	5.56	
136 tert-Butylbenzene	134	12.536	12.536	0.000	93	367773	5.00	5.05	
138 1,2,4-Trimethylbenzene	105	12.579	12.579	0.000	98	1797412	5.00	5.49	
139 sec-Butylbenzene	105	12.701	12.700	0.000	94	2322567	5.00	5.71	
140 1,3-Dichlorobenzene	146	12.798	12.798	0.000	98	980256	5.00	5.23	
141 4-Isopropyltoluene	119	12.810	12.804	0.006	97	1974408	5.00	5.46	
* 142 1,4-Dichlorobenzene-d4	152	12.853	12.853	0.000	95	1187769	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.871	12.871	0.000	94	1004712	5.00	5.27	
144 1,2,3-Trimethylbenzene	120	12.883	12.883	0.000	99	727844	5.00	4.95	
145 Benzyl chloride	126	12.944	12.944	0.000	99	114890	5.00	5.52	
146 p-Diethylbenzene	119	13.005	13.005	0.000	91	1148878	5.00	5.41	
147 n-Butylbenzene	92	13.097	13.097	0.000	97	1075748	5.00	5.99	
148 1,2-Dichlorobenzene	146	13.127	13.127	0.000	98	849175	5.00	5.16	
150 1,2-Dibromo-3-Chloropropane	155	13.670	13.670	0.000	85	32922	5.00	5.00	
151 1,3,5-Trichlorobenzene	180	13.792	13.792	0.000	97	789285	5.00	5.23	
152 1,2,4-Trichlorobenzene	180	14.212	14.212	0.000	94	606802	5.00	5.29	
153 Hexachlorobutadiene	225	14.292	14.292	0.000	97	373586	5.00	5.68	
154 Naphthalene	128	14.389	14.389	0.000	97	809240	5.00	5.54	
155 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	96	455107	5.00	5.36	
156 2-Methylnaphthalene	142	15.127	15.127	0.000	94	337481	5.00	6.93	
167 Pentane	43	2.849	2.843	0.006	97	641398	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_QC_Gas826_00196	Amount Added:	5.38	Units: uL	
MSV_LCS_VOC#1_00165	Amount Added:	5.38	Units: uL	
MSV_HP25_ISSS_00087	Amount Added:	1.00	Units: uL	Run Reagent

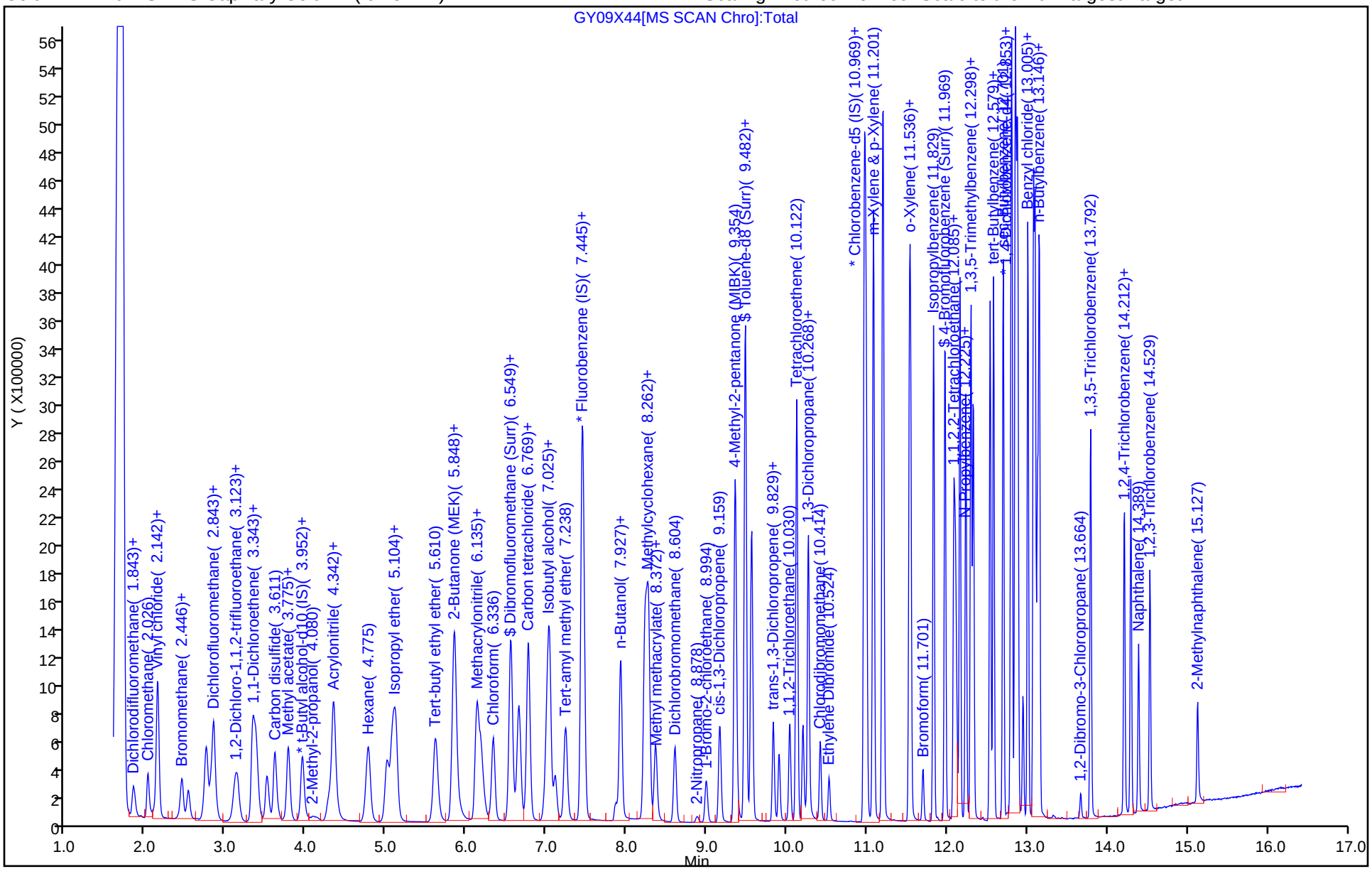
Report Date: 10-May-2024 10:07:10 Chrom Revision: 2.3 01-May-2024 15:52:26

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X44.D

Injection Date:	09-May-2024 22:37:30	Instrument ID:	16334	Operator ID:	gaw91131
Lims ID:	410-169938-A-6 MSD			Worklist Smp#:	15
Client ID:	HD-COD-SW-15-0/1-0 MSD				
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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\GY09X44.D				
Lims ID:	410-169938-A-6 MSD				
Client ID:	HD-COD-SW-15-0/1-0 MSD				
Sample Type:	MSD				
Inject. Date:	09-May-2024 22:37:30	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0113528-015				
Operator ID:	gaw91131	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240509-113528.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	10-May-2024 10:07:10	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:	CTX1619				

First Level Reviewer: N9NA Date: 10-May-2024 10:07:10

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.57	95.69
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.88
$ 83 Toluene-d8 (Surr)	10.0	10.4	104.31
$ 127 4-Bromofluorobenzene (Surr)	10.0	10.2	102.29

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Instrument ID: 19094 Start Date: 10/17/2023 03:41

Analysis Batch Number: 431955 End Date: 10/17/2023 10:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-431955/1		10/17/2023 03:41	1	HO16T01.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/3		10/17/2023 04:22	1	HO16X02.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/4		10/17/2023 04:42	1	HO16X03.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/5		10/17/2023 05:02	1	HO16X04.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/6		10/17/2023 05:22	1	HO16X05.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/7		10/17/2023 05:42	1	HO16X06.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/8		10/17/2023 06:02	1	HO16X07.D	R-624SilMS 30m 0.25(mm)
CCV 410-431955/1008		10/17/2023 06:02	1		R-624SilMS 30m 0.25(mm)
IC 410-431955/9		10/17/2023 06:22	1	HO16X08.D	R-624SilMS 30m 0.25(mm)
ICV 410-431955/11		10/17/2023 07:03	1		R-624SilMS 30m 0.25(mm)
IC 410-431955/13		10/17/2023 07:43	1	HO16X12.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/14		10/17/2023 08:03	1	HO16X13.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/15		10/17/2023 08:23	1	HO16X14.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/16		10/17/2023 08:43	1	HO16X15.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/17		10/17/2023 09:03	1	HO16X16.D	R-624SilMS 30m 0.25(mm)
ICIS 410-431955/18		10/17/2023 09:23	1	HO16X17.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-431955/1018		10/17/2023 09:23	1		R-624SilMS 30m 0.25(mm)
IC 410-431955/19		10/17/2023 09:43	1	HO16X18.D	R-624SilMS 30m 0.25(mm)
ICV 410-431955/21		10/17/2023 10:24	1	HO16X20.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-169938-1

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.: 410-169938-1

SDG No.:

Instrument ID: 19094 Start Date: 05/08/2024 20:11

Analysis Batch Number: 503852 End Date: 05/09/2024 07:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-503852/1		05/08/2024 20:11	1	HY08T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-503852/3		05/08/2024 20:44	1	HY08X02.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		05/08/2024 21:25	1		R-624SilMS 30m 0.25(mm)
MB 410-503852/6		05/08/2024 21:45	1	HY08X05.D	R-624SilMS 30m 0.25(mm)
LCS 410-503852/7		05/08/2024 22:05	1	HY08X06.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		05/08/2024 22:49	1		R-624SilMS 30m 0.25(mm)
410-169938-1	HD-COD-SW-6-0/1-0	05/08/2024 23:09	1	HY08X09.D	R-624SilMS 30m 0.25(mm)
410-169938-2	HD-COD-SW-7-0/1-0	05/08/2024 23:29	1	HY08X10.D	R-624SilMS 30m 0.25(mm)
410-169938-3	HD-COD-SW-8-0/1-0	05/08/2024 23:50	1	HY08X11.D	R-624SilMS 30m 0.25(mm)
410-169938-4	HD-COD-SW-9-0/1-0	05/09/2024 00:10	1	HY08X12.D	R-624SilMS 30m 0.25(mm)
410-169938-5	HD-COD-SW-13-0/1-0	05/09/2024 00:30	1	HY08X13.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 00:50	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 01:10	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 01:31	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 01:51	100		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 02:11	1000		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 02:31	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 02:51	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 03:11	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 03:32	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 03:52	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 04:12	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 04:32	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 04:52	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 05:12	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 05:33	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 05:53	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 06:13	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 06:33	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 06:53	2		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 07:13	20		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-169938-1

SDG No.:

Instrument ID: 16334 Start Date: 05/09/2024 17:32

Analysis Batch Number: 504341 End Date: 05/10/2024 05:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-504341/1		05/09/2024 17:32	1	GY09T31.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-504341/3		05/09/2024 18:12	1	GY09X32.D	R-624SilMS 30m 0.25(mm)
LCS 410-504341/4		05/09/2024 18:34	1	GY09X33.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 18:56	1		R-624SilMS 30m 0.25(mm)
MB 410-504341/6		05/09/2024 19:18	1	GY09X35.D	R-624SilMS 30m 0.25(mm)
410-169938-14	HD-QC1-0/1-2	05/09/2024 19:40	1	GY09X36.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 20:02	20		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 20:24	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 20:46	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 21:08	50		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 21:31	500		R-624SilMS 30m 0.25(mm)
410-169938-6	HD-COD-SW-15-0/1-0	05/09/2024 21:53	1	GY09X42.D	R-624SilMS 30m 0.25(mm)
410-169938-6 MS	HD-COD-SW-15-0/1-0 MS MS	05/09/2024 22:14	1	GY09X43.D	R-624SilMS 30m 0.25(mm)
410-169938-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	05/09/2024 22:37	1	GY09X44.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 22:59	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 23:21	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/09/2024 23:47	100		R-624SilMS 30m 0.25(mm)
410-169938-7	HD-COD-SW-16-0/1-0	05/10/2024 00:09	1	GY09X48.D	R-624SilMS 30m 0.25(mm)
410-169938-9	HD-COD-SW-26-0/1-0	05/10/2024 00:31	1	GY09X49.D	R-624SilMS 30m 0.25(mm)
410-169938-10	HD-COD-SW-27-0/1-0	05/10/2024 00:53	1	GY09X50.D	R-624SilMS 30m 0.25(mm)
410-169938-11	HD-COD-SW-28-0/1-0	05/10/2024 01:15	1	GY09X51.D	R-624SilMS 30m 0.25(mm)
410-169938-12	HD-COD-SW-29-0/1-0	05/10/2024 01:37	1	GY09X52.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		05/10/2024 01:59	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/10/2024 02:22	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/10/2024 02:44	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/10/2024 03:05	5		R-624SilMS 30m 0.25(mm)
410-169938-8	HD-COD-SW-17-0/1-0	05/10/2024 03:27	1	GY09X57.D	R-624SilMS 30m 0.25(mm)
410-169938-8 DL	HD-COD-SW-17-0/1-0 DL	05/10/2024 03:49	10	GY09X58.D	R-624SilMS 30m 0.25(mm)
410-169938-13	HD-QC1-0/1-1	05/10/2024 04:11	1	GY09X59.D	R-624SilMS 30m 0.25(mm)
410-169938-13 DL	HD-QC1-0/1-1 DL	05/10/2024 04:33	10	GY09X60.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		05/10/2024 04:55	5		R-624SilMS 30m 0.25(mm)
ZZZZZ		05/10/2024 05:17	50		R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-169938-1

SDG No.:

Batch Number: 431955 | Batch Start Date: 10/17/23 03:41 | 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 00006	MSV_CCV_CYC 00007	MSV_CCV_V5ACE 00029
BFB 410-431955/1		8260D			1 uL	1 uL				
IC 410-431955/3		8260D			25 mL	25 mL	2711		1.6 uL	0.2 uL
IC 410-431955/4		8260D			25 mL	25 mL	2711		4 uL	0.5 uL
IC 410-431955/5		8260D			25 mL	25 mL	2711		8 uL	1 uL
IC 410-431955/6		8260D			25 mL	25 mL	2711		8 uL	1 uL
IC 410-431955/7		8260D			25 mL	25 mL	2711		8 uL	1 uL
IC 410-431955/8		8260D			25 mL	25 mL	2711		8 uL	1 uL
IC 410-431955/9		8260D			25 mL	25 mL	2711		20 uL	2.5 uL
IC 410-431955/13		8260D			25 mL	25 mL	2711			
IC 410-431955/14		8260D			25 mL	25 mL	2711			
IC 410-431955/15		8260D			25 mL	25 mL	2711			
IC 410-431955/16		8260D			25 mL	25 mL	2711			
IC 410-431955/17		8260D			25 mL	25 mL	2711			
ICIS 410-431955/18		8260D			25 mL	25 mL	2711			
IC 410-431955/19		8260D			25 mL	25 mL	2711			
ICV 410-431955/21		8260D			25 mL	25 mL	2711	12.5 uL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00049	MSV_LCS_ACROL 00135	MSV_LCS_EE 00007	MSV_LCS_Penta 00033	MSV_LCS_VOC#1 00134	MSV_LL_#1_826 00099
BFB 410-431955/1		8260D								
IC 410-431955/3		8260D			0.2 uL					
IC 410-431955/4		8260D			0.5 uL					
IC 410-431955/5		8260D			1 uL					
IC 410-431955/6		8260D			1 uL					
IC 410-431955/7		8260D			1 uL					
IC 410-431955/8		8260D			1 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-169938-1

SDG No.:

Batch Number: 431955 Batch Start Date: 10/17/23 03:41 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00049	MSV_LCS_ACROL 00135	MSV_LCS_EE 00007	MSV_LCS_Penta 00033	MSV_LCS_VOC#1 00134	MSV_LL_#1_826 00099
IC 410-431955/9		8260D			2.5 uL					
IC 410-431955/13		8260D								2 uL
IC 410-431955/14		8260D								2 uL
IC 410-431955/15		8260D								2 uL
IC 410-431955/16		8260D								2 uL
IC 410-431955/17		8260D								5 uL
ICIS 410-431955/18		8260D								10 uL
IC 410-431955/19		8260D								25 uL
ICV 410-431955/21		8260D				12.5 uL	12.5 uL	12.5 uL	12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#2_826 00108	MSV_LL_GAS826 00174	MSV_LLcentISS 00009	MSV_LLcentISS 00010	MSV_QC_Gas826 00164	MSV_V_BFB 00012
BFB 410-431955/1		8260D								1 uL
IC 410-431955/3		8260D						5 uL		
IC 410-431955/4		8260D						5 uL		
IC 410-431955/5		8260D						5 uL		
IC 410-431955/6		8260D						5 uL		
IC 410-431955/7		8260D						5 uL		
IC 410-431955/8		8260D						5 uL		
IC 410-431955/9		8260D						5 uL		
IC 410-431955/13		8260D			2 uL	2 uL	5 uL			
IC 410-431955/14		8260D			2 uL	2 uL	5 uL			
IC 410-431955/15		8260D			2 uL	2 uL	5 uL			
IC 410-431955/16		8260D			2 uL	2 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.: 410-169938-1

SDG No.:

Batch Number: 431955 | Batch Start Date: 10/17/23 03:41 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#2_826 00108	MSV_LL_GAS826 00174	MSV_LLcentISS 00009	MSV_LLcentISS 00010	MSV_QC_Gas826 00164	MSV_V_BFB 00012
IC 410-431955/17		8260D			5 uL	5 uL	5 uL			
ICIS 410-431955/18		8260D			10 uL	10 uL	5 uL			
IC 410-431955/19		8260D			25 uL	25 uL	5 uL			
ICV 410-431955/21		8260D					5 uL		12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_SMRV4 00063					
BFB 410-431955/1		8260D								
IC 410-431955/3		8260D			1 uL					
IC 410-431955/4		8260D			2.5 uL					
IC 410-431955/5		8260D			5 uL					
IC 410-431955/6		8260D			5 uL					
IC 410-431955/7		8260D			5 uL					
IC 410-431955/8		8260D			5 uL					
IC 410-431955/9		8260D			12.5 uL					
IC 410-431955/13		8260D								
IC 410-431955/14		8260D								
IC 410-431955/15		8260D								
IC 410-431955/16		8260D								
IC 410-431955/17		8260D								
ICIS 410-431955/18		8260D								
IC 410-431955/19		8260D								
ICV 410-431955/21		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.: 410-169938-1

SDG No.:

Batch Number: 431955 | Batch Start Date: 10/17/23 03:41 | 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.: 410-169938-1

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-169938-1

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.: 410-169938-1

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.: 410-169938-1

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.: 410-169938-1

SDG No.:

Batch Number: 503852 | Batch Start Date: 05/08/24 20:11 | Batch Analyst: Walmer, Gavin

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-503852/1		8260D			1 uL	1 uL				
CCVIS 410-503852/3		8260D			25 mL	25 mL				2736
MB 410-503852/6		8260D			25 mL	25 mL				2736
LCS 410-503852/7		8260D			25 mL	25 mL				2736
410-169938-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-169938-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-169938-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-169938-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-169938-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00165	MSV_LL_#1_826 00128	MSV_LL_GAS826 00207	MSV_LLcentISS 00012	MSV_QC_Gas826 00196	MSV_V_BFB 00016
BFB 410-503852/1		8260D								1 uL
CCVIS 410-503852/3		8260D				20 uL	20 uL	5 uL		
MB 410-503852/6		8260D						5 uL		
LCS 410-503852/7		8260D			12.5 uL			5 uL	12.5 uL	
410-169938-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T				5 uL		
410-169938-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T				5 uL		
410-169938-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T				5 uL		
410-169938-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T				5 uL		
410-169938-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T				5 uL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-169938-1

SDG No.:

Batch Number: 503852 | Batch Start Date: 05/08/24 20:11 | Batch Analyst: Walmer, Gavin

Batch Method: 8260D | Batch End Date:

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-169938-1

SDG No.:

Batch Number: 504341 | Batch Start Date: 05/09/24 17:32 | Batch Analyst: Walmer, Gavin

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-504341/1		8260D			1 uL	1 uL				
CCVIS 410-504341/3		8260D			25 mL	25 mL				2736
LCS 410-504341/4		8260D			25 mL	25 mL				2736
MB 410-504341/6		8260D			25 mL	25 mL				2736
410-169938-A-14	HD-QC1-0/1-2	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-169938-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-169938-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-169938-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-169938-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-169938-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-169938-A-10	HD-COD-SW-27-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-169938-A-11	HD-COD-SW-28-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-169938-A-12	HD-COD-SW-29-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-169938-A-8	HD-COD-SW-17-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-169938-B-8	HD-COD-SW-17-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	2736
410-169938-A-13	HD-QC1-0/1-1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-169938-B-13	HD-QC1-0/1-1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	2736

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_HP25_ISSS 00087	MSV_LCS_VOC#1 00165	MSV_LL_#1_826 00126	MSV_LL_#2_826 00137	MSV_LL_GAS826 00206	MSV_QC_Gas826 00196
BFB 410-504341/1		8260D								
CCVIS 410-504341/3		8260D			1 uL		20 uL	20 uL	20 uL	
LCS 410-504341/4		8260D			1 uL	12.5 uL				12.5 uL
MB 410-504341/6		8260D			1 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-169938-1

SDG No.:

Batch Number: 504341 | Batch Start Date: 05/09/24 17:32 | Batch Analyst: Walmer, Gavin

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_HP25_ISSS 00087	MSV_LCS_VOC#1 00165	MSV_LL_#1_826 00126	MSV_LL_#2_826 00137	MSV_LL_GAS826 00206	MSV_QC_Gas826 00196
410-169938-A-14	HD-QC1-0/1-2	8260D	Water	T	1 uL					
410-169938-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T	1 uL					
410-169938-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	Water	T	1 uL	5.38 uL				5.38 uL
410-169938-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	Water	T	1 uL	5.38 uL				5.38 uL
410-169938-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T	1 uL					
410-169938-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T	1 uL					
410-169938-A-10	HD-COD-SW-27-0/1-0	8260D	Water	T	1 uL					
410-169938-A-11	HD-COD-SW-28-0/1-0	8260D	Water	T	1 uL					
410-169938-A-12	HD-COD-SW-29-0/1-0	8260D	Water	T	1 uL					
410-169938-A-8	HD-COD-SW-17-0/1-0	8260D	Water	T	1 uL					
410-169938-B-8	HD-COD-SW-17-0/1-0	8260D	Water	T	1 uL					
410-169938-A-13	HD-QC1-0/1-1	8260D	Water	T	1 uL					
410-169938-B-13	HD-QC1-0/1-1	8260D	Water	T	1 uL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00016					
BFB 410-504341/1		8260D			1 uL					
CCVIS 410-504341/3		8260D								
LCS 410-504341/4		8260D								
MB 410-504341/6		8260D								
410-169938-A-14	HD-QC1-0/1-2	8260D	Water	T						
410-169938-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T						
410-169938-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	Water	T						
410-169938-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	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.: 410-169938-1

SDG No.:

Batch Number: 504341 | Batch Start Date: 05/09/24 17:32 | Batch Analyst: Walmer, Gavin

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00016					
410-169938-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T						
410-169938-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T						
410-169938-A-10	HD-COD-SW-27-0/1-0	8260D	Water	T						
410-169938-A-11	HD-COD-SW-28-0/1-0	8260D	Water	T						
410-169938-A-12	HD-COD-SW-29-0/1-0	8260D	Water	T						
410-169938-A-8	HD-COD-SW-17-0/1-0	8260D	Water	T						
410-169938-B-8	HD-COD-SW-17-0/1-0	8260D	Water	T						
410-169938-A-13	HD-QC1-0/1-1	8260D	Water	T						
410-169938-B-13	HD-QC1-0/1-1	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

370472 HARRISBURG PA

Environm ...quest/Chain of Custody

410-169938 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. #: 10012.52		
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	NPDES	Surface	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	4/29/2024	1020	X					X					3	X	
HD-COD-SW-7-0/1-0		1100	X					X					3	X	
HD-COD-SW-8-0/1-0		0915	X					X					3	X	
HD-COD-SW-9-0/1-0		1220	X					X					3	X	
HD-COD-SW-13-0/1-0		0932	X					X					3	X	
HD-COD-SW-15-0/1-0		1120	X					X					3	X	
HD-COD-SW-15-0/1-0 MS		1120	X					X					3	X	
HD-COD-SW-15-0/1-0 MSD		1120	X					X					3	X	
HD-COD-SW-16-0/1-0		0955	X					X					3	X	
HD-COD-SW-17-0/1-0		1005	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
	4/29/2024	1320		4/29/24	1320
	4/30/24	1025		4/30/24	1025
	4/30/24	1627			
				4/30/24	1027

Relinquished by Commercial Carrier: _____

UPS _____ FedEx _____ Other _____

Temperature upon receipt raw: 2.2 cor: 1.8 °C

KF

370472
HARRISBURG PA

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. #:	10012.52
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 ☐ NPDES ☐ Surface ☑	Other: Trip Blank	Total # of Containers	Analyses Requested: Aqueous VOCs via 8260D (low level - 25 ml purge)	Preservation Codes: H	For Lab Use Only: Remarks
HD-COD-SW-26-0/1-0	4/29/2024	1040	X			X		3	X		
HD-COD-SW-27-0/1-0		1110	X			X		3	X		
HD-COD-SW-28-0/1-0		1230	X			X		3	X		
HD-COD-SW-29-0/1-0		0900	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

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
	4/29/2024	1320		4/29/24	1320
	4/30/24	1005		4/30/24	1005
	4/30/24	1627			
				4/30/24	1627

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____

Temperature upon receipt 1.2 cor 1.8 °C

KF

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-169938-1

Login Number: 169938

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Foreman, Kai

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.	N/A	
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: 410-169938-1

Login Number: 169938

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

Creator: Jeremiah, Cory T

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time (excluding tests with immediate HTs)		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		