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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/30/2023 11:38 PM

JOB DESCRIPTION

fYNOP Monthly Surface Water

JOB NUMBER

410-119839-1

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

See page two for job notes and contact information.

my EOL

Job Notes

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

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3/30/2023 11:38 PM

Authorized for release by
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Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
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
410-119839-1

Receipt
The samples were received on 3/22/2023 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C

GC/MS VOA
Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 410-357851 recovered above the upper control limit for Bromoform, Chloromethane and Vinyl chloride. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

Detection Summary

Client: Groundwater Sciences Corporation
Job ID: 410-119839-1
Project/Site: fYNOP Monthly Surface Water

Client Sample ID: HD-COD-SW-6-0/1-0 — Lab Sample ID: 410-119839-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.4	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.18	J ^c cn	0.50	0.10	ug/L	1		8260D	Total/NA
Trichloroethene	0.091	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-7-0/1-0 — Lab Sample ID: 410-119839-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.4	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloroform	0.11	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.19	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.24	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-8-0/1-0 — Lab Sample ID: 410-119839-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.7	J	5.0	1.0	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.26	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.66		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.29	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-9-0/1-0 — Lab Sample ID: 410-119839-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.9	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.12	J ^c cn	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.18	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.30	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.19	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-13-0/1-0 — Lab Sample ID: 410-119839-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.5	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.24	J ^c cn	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.23	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.71		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.29	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-15-0/1-0 — Lab Sample ID: 410-119839-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.38	J	0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.14	J	0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.15	J	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.29	J	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.29	J ^c FH cn	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	1.4		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	6.3		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	1.3		0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-16-0/1-0 — Lab Sample ID: 410-119839-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.3	J	5.0	1.0	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HD-COD-SW-16-0/1-0 (Continued) — Lab Sample ID: 410-119839-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.12	J ^c cn	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.25	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.61		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.26	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-17-0/1-0 — Lab Sample ID: 410-119839-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	5.1		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.3		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.41	J	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.19	J	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.11	J ^c cn	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	4.7		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	4.0		0.50	0.080	ug/L	1		8260D	Total/NA
Vinyl chloride	0.11	J ^c cn	0.50	0.10	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	49		5.0	2.0	ug/L	10		8260D	Total/NA

Client Sample ID: HD-COD-SW-26-0/1-0 — Lab Sample ID: 410-119839-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.16	J	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.47	J	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.15	J ^c cn	0.50	0.10	ug/L	1		8260D	Total/NA
Tetrachloroethene	4.2		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.17	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-27-0/1-0 — Lab Sample ID: 410-119839-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.0	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloroform	0.097	J	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.19	J ^c cn	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.24	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.32	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.27	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-28-0/1-0 — Lab Sample ID: 410-119839-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.8	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.16	J ^c cn	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.17	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.24	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.21	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-29-0/1-0 — Lab Sample ID: 410-119839-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.5	J	5.0	1.0	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.23	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.41	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.26	J	0.50	0.080	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Groundwater Sciences Corporation
Job ID: 410-119839-1
Project/Site: fYNOP Monthly Surface Water

Client Sample ID: GD-QC1-0/1-1
Lab Sample ID: 410-119839-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	4.9		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.3		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.40	J	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.19	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	4.3		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	3.7		0.50	0.080	ug/L	1		8260D	Total/NA
Vinyl chloride	0.12	J ^c cn	0.50	0.10	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	50		5.0	2.0	ug/L	10		8260D	Total/NA

Client Sample ID: GD-QC1-0/1-2
Lab Sample ID: 410-119839-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.3	J	5.0	1.0	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: 410-119839-1

Date Collected: 03/22/23 11:05

Matrix: Water

Date Received: 03/22/23 15:50

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			03/27/23 22:12	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/27/23 22:12	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/27/23 22:12	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/27/23 22:12	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/27/23 22:12	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/27/23 22:12	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/27/23 22:12	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/27/23 22:12	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/27/23 22:12	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/27/23 22:12	1
2-Hexanone	ND		5.0	0.10	ug/L			03/27/23 22:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/27/23 22:12	1
Acetone	**1.4**	**J**	5.0	1.0	ug/L			03/27/23 22:12	1
Benzene	ND		0.50	0.10	ug/L			03/27/23 22:12	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/27/23 22:12	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/27/23 22:12	1
Bromoform	ND	^c cn	1.0	0.30	ug/L			03/27/23 22:12	1
Bromomethane	ND		0.50	0.10	ug/L			03/27/23 22:12	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/27/23 22:12	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/27/23 22:12	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/27/23 22:12	1
Chloroethane	ND		0.50	0.10	ug/L			03/27/23 22:12	1
Chloroform	ND		0.50	0.090	ug/L			03/27/23 22:12	1
Chloromethane	**0.18**	**J ^c cn**	0.50	0.10	ug/L			03/27/23 22:12	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			03/27/23 22:12	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/27/23 22:12	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/27/23 22:12	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/27/23 22:12	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/27/23 22:12	1
Methylene Chloride	ND		0.50	0.10	ug/L			03/27/23 22:12	1
Styrene	ND		0.50	0.070	ug/L			03/27/23 22:12	1
Tetrachloroethene	ND		0.50	0.20	ug/L			03/27/23 22:12	1
Toluene	ND		0.50	0.080	ug/L			03/27/23 22:12	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/27/23 22:12	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/27/23 22:12	1
Trichloroethene	**0.091**	**J**	0.50	0.080	ug/L			03/27/23 22:12	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			03/27/23 22:12	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/27/23 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*03/27/23 22:12*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*03/27/23 22:12*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/27/23 22:12*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/27/23 22:12*	*1*

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

Lab Sample ID: 410-119839-2

Date Collected: 03/22/23 12:28

Matrix: Water

Date Received: 03/22/23 15:50

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			03/27/23 22:33	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/27/23 22:33	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/27/23 22:33	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/27/23 22:33	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/27/23 22:33	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/27/23 22:33	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/27/23 22:33	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/27/23 22:33	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/27/23 22:33	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/27/23 22:33	1
2-Hexanone	ND		5.0	0.10	ug/L			03/27/23 22:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/27/23 22:33	1
Acetone	**2.4**	**J**	5.0	1.0	ug/L			03/27/23 22:33	1
Benzene	ND		0.50	0.10	ug/L			03/27/23 22:33	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/27/23 22:33	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/27/23 22:33	1
Bromoform	ND	^c cn	1.0	0.30	ug/L			03/27/23 22:33	1
Bromomethane	ND		0.50	0.10	ug/L			03/27/23 22:33	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/27/23 22:33	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/27/23 22:33	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/27/23 22:33	1
Chloroethane	ND		0.50	0.10	ug/L			03/27/23 22:33	1
Chloroform	**0.11**	**J**	0.50	0.090	ug/L			03/27/23 22:33	1
Chloromethane	ND	^c cn	0.50	0.10	ug/L			03/27/23 22:33	1
cis-1,2-Dichloroethene	**0.19**	**J**	0.50	0.080	ug/L			03/27/23 22:33	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/27/23 22:33	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/27/23 22:33	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/27/23 22:33	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/27/23 22:33	1
Methylene Chloride	ND		0.50	0.10	ug/L			03/27/23 22:33	1
Styrene	ND		0.50	0.070	ug/L			03/27/23 22:33	1
Tetrachloroethene	ND		0.50	0.20	ug/L			03/27/23 22:33	1
Toluene	ND		0.50	0.080	ug/L			03/27/23 22:33	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/27/23 22:33	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/27/23 22:33	1
Trichloroethene	**0.24**	**J**	0.50	0.080	ug/L			03/27/23 22:33	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			03/27/23 22:33	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/27/23 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*03/27/23 22:33*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*03/27/23 22:33*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*03/27/23 22:33*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/27/23 22:33*	*1*

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

Lab Sample ID: 410-119839-3

Date Collected: 03/22/23 09:45

Matrix: Water

Date Received: 03/22/23 15:50

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			03/27/23 22:54	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/27/23 22:54	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/27/23 22:54	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/27/23 22:54	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/27/23 22:54	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/27/23 22:54	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/27/23 22:54	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/27/23 22:54	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/27/23 22:54	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/27/23 22:54	1
2-Hexanone	ND		5.0	0.10	ug/L			03/27/23 22:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/27/23 22:54	1
Acetone	**1.7**	**J**	5.0	1.0	ug/L			03/27/23 22:54	1
Benzene	ND		0.50	0.10	ug/L			03/27/23 22:54	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/27/23 22:54	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/27/23 22:54	1
Bromoform	ND	^c cn	1.0	0.30	ug/L			03/27/23 22:54	1
Bromomethane	ND		0.50	0.10	ug/L			03/27/23 22:54	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/27/23 22:54	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/27/23 22:54	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/27/23 22:54	1
Chloroethane	ND		0.50	0.10	ug/L			03/27/23 22:54	1
Chloroform	ND		0.50	0.090	ug/L			03/27/23 22:54	1
Chloromethane	ND	^c cn	0.50	0.10	ug/L			03/27/23 22:54	1
cis-1,2-Dichloroethene	**0.26**	**J**	0.50	0.080	ug/L			03/27/23 22:54	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/27/23 22:54	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/27/23 22:54	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/27/23 22:54	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/27/23 22:54	1
Methylene Chloride	ND		0.50	0.10	ug/L			03/27/23 22:54	1
Styrene	ND		0.50	0.070	ug/L			03/27/23 22:54	1
Tetrachloroethene	**0.66**		0.50	0.20	ug/L			03/27/23 22:54	1
Toluene	ND		0.50	0.080	ug/L			03/27/23 22:54	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/27/23 22:54	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/27/23 22:54	1
Trichloroethene	**0.29**	**J**	0.50	0.080	ug/L			03/27/23 22:54	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			03/27/23 22:54	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/27/23 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*03/27/23 22:54*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*03/27/23 22:54*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*03/27/23 22:54*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/27/23 22:54*	*1*

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

Lab Sample ID: 410-119839-4

Date Collected: 03/22/23 13:39

Matrix: Water

Date Received: 03/22/23 15:50

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			03/27/23 23:14	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/27/23 23:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/27/23 23:14	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/27/23 23:14	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/27/23 23:14	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/27/23 23:14	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/27/23 23:14	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/27/23 23:14	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/27/23 23:14	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/27/23 23:14	1
2-Hexanone	ND		5.0	0.10	ug/L			03/27/23 23:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/27/23 23:14	1
Acetone	**1.9**	**J**	5.0	1.0	ug/L			03/27/23 23:14	1
Benzene	ND		0.50	0.10	ug/L			03/27/23 23:14	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/27/23 23:14	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/27/23 23:14	1
Bromoform	ND	^c cn	1.0	0.30	ug/L			03/27/23 23:14	1
Bromomethane	ND		0.50	0.10	ug/L			03/27/23 23:14	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/27/23 23:14	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/27/23 23:14	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/27/23 23:14	1
Chloroethane	ND		0.50	0.10	ug/L			03/27/23 23:14	1
Chloroform	ND		0.50	0.090	ug/L			03/27/23 23:14	1
Chloromethane	**0.12**	**J ^c cn**	0.50	0.10	ug/L			03/27/23 23:14	1
cis-1,2-Dichloroethene	**0.18**	**J**	0.50	0.080	ug/L			03/27/23 23:14	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/27/23 23:14	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/27/23 23:14	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/27/23 23:14	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/27/23 23:14	1
Methylene Chloride	ND		0.50	0.10	ug/L			03/27/23 23:14	1
Styrene	ND		0.50	0.070	ug/L			03/27/23 23:14	1
Tetrachloroethene	**0.30**	**J**	0.50	0.20	ug/L			03/27/23 23:14	1
Toluene	ND		0.50	0.080	ug/L			03/27/23 23:14	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/27/23 23:14	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/27/23 23:14	1
Trichloroethene	**0.19**	**J**	0.50	0.080	ug/L			03/27/23 23:14	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			03/27/23 23:14	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/27/23 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*03/27/23 23:14*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*03/27/23 23:14*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/27/23 23:14*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/27/23 23:14*	*1*

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

Lab Sample ID: 410-119839-5

Date Collected: 03/22/23 10:15

Matrix: Water

Date Received: 03/22/23 15:50

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			03/27/23 23:35	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/27/23 23:35	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/27/23 23:35	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/27/23 23:35	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/27/23 23:35	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/27/23 23:35	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/27/23 23:35	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/27/23 23:35	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/27/23 23:35	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/27/23 23:35	1
2-Hexanone	ND		5.0	0.10	ug/L			03/27/23 23:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/27/23 23:35	1
Acetone	**1.5**	**J**	5.0	1.0	ug/L			03/27/23 23:35	1
Benzene	ND		0.50	0.10	ug/L			03/27/23 23:35	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/27/23 23:35	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/27/23 23:35	1
Bromoform	ND	^c cn	1.0	0.30	ug/L			03/27/23 23:35	1
Bromomethane	ND		0.50	0.10	ug/L			03/27/23 23:35	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/27/23 23:35	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/27/23 23:35	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/27/23 23:35	1
Chloroethane	ND		0.50	0.10	ug/L			03/27/23 23:35	1
Chloroform	ND		0.50	0.090	ug/L			03/27/23 23:35	1
Chloromethane	**0.24**	**J ^c cn**	0.50	0.10	ug/L			03/27/23 23:35	1
cis-1,2-Dichloroethene	**0.23**	**J**	0.50	0.080	ug/L			03/27/23 23:35	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/27/23 23:35	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/27/23 23:35	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/27/23 23:35	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/27/23 23:35	1
Methylene Chloride	ND		0.50	0.10	ug/L			03/27/23 23:35	1
Styrene	ND		0.50	0.070	ug/L			03/27/23 23:35	1
Tetrachloroethene	**0.71**		0.50	0.20	ug/L			03/27/23 23:35	1
Toluene	ND		0.50	0.080	ug/L			03/27/23 23:35	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/27/23 23:35	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/27/23 23:35	1
Trichloroethene	**0.29**	**J**	0.50	0.080	ug/L			03/27/23 23:35	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			03/27/23 23:35	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/27/23 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*03/27/23 23:35*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*03/27/23 23:35*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/27/23 23:35*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/27/23 23:35*	*1*

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

Lab Sample ID: 410-119839-6

Date Collected: 03/22/23 12:45

Matrix: Water

Date Received: 03/22/23 15:50

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			03/27/23 23:55	1
1,1,1-Trichloroethane	**0.38**	**J**	0.50	0.080	ug/L			03/27/23 23:55	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/27/23 23:55	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/27/23 23:55	1
1,1-Dichloroethane	**0.14**	**J**	0.50	0.10	ug/L			03/27/23 23:55	1
1,1-Dichloroethene	**0.15**	**J**	0.50	0.10	ug/L			03/27/23 23:55	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/27/23 23:55	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/27/23 23:55	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/27/23 23:55	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/27/23 23:55	1
2-Hexanone	ND		5.0	0.10	ug/L			03/27/23 23:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/27/23 23:55	1
Acetone	ND		5.0	1.0	ug/L			03/27/23 23:55	1
Benzene	ND		0.50	0.10	ug/L			03/27/23 23:55	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/27/23 23:55	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/27/23 23:55	1
Bromoform	ND	^c cn	1.0	0.30	ug/L			03/27/23 23:55	1
Bromomethane	ND		0.50	0.10	ug/L			03/27/23 23:55	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/27/23 23:55	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/27/23 23:55	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/27/23 23:55	1
Chloroethane	ND		0.50	0.10	ug/L			03/27/23 23:55	1
Chloroform	**0.29**	**J**	0.50	0.090	ug/L			03/27/23 23:55	1
Chloromethane	**0.29**	**J ^c FH cn**	0.50	0.10	ug/L			03/27/23 23:55	1
cis-1,2-Dichloroethene	**1.4**		0.50	0.080	ug/L			03/27/23 23:55	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/27/23 23:55	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/27/23 23:55	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/27/23 23:55	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/27/23 23:55	1
Methylene Chloride	ND		0.50	0.10	ug/L			03/27/23 23:55	1
Styrene	ND		0.50	0.070	ug/L			03/27/23 23:55	1
Tetrachloroethene	**6.3**		0.50	0.20	ug/L			03/27/23 23:55	1
Toluene	ND		0.50	0.080	ug/L			03/27/23 23:55	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/27/23 23:55	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/27/23 23:55	1
Trichloroethene	**1.3**		0.50	0.080	ug/L			03/27/23 23:55	1
Vinyl chloride	ND	^c FH cn	0.50	0.10	ug/L			03/27/23 23:55	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/27/23 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*03/27/23 23:55*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*03/27/23 23:55*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/27/23 23:55*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/27/23 23:55*	*1*

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

Lab Sample ID: 410-119839-7

Date Collected: 03/22/23 10:34

Matrix: Water

Date Received: 03/22/23 15:50

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			03/28/23 01:18	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/28/23 01:18	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/28/23 01:18	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/28/23 01:18	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/28/23 01:18	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/28/23 01:18	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/28/23 01:18	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/28/23 01:18	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/28/23 01:18	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/28/23 01:18	1
2-Hexanone	ND		5.0	0.10	ug/L			03/28/23 01:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/28/23 01:18	1
Acetone	**2.3**	**J**	5.0	1.0	ug/L			03/28/23 01:18	1
Benzene	ND		0.50	0.10	ug/L			03/28/23 01:18	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/28/23 01:18	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/28/23 01:18	1
Bromoform	ND	^c cn	1.0	0.30	ug/L			03/28/23 01:18	1
Bromomethane	ND		0.50	0.10	ug/L			03/28/23 01:18	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/28/23 01:18	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/28/23 01:18	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/28/23 01:18	1
Chloroethane	ND		0.50	0.10	ug/L			03/28/23 01:18	1
Chloroform	ND		0.50	0.090	ug/L			03/28/23 01:18	1
Chloromethane	**0.12**	**J ^c cn**	0.50	0.10	ug/L			03/28/23 01:18	1
cis-1,2-Dichloroethene	**0.25**	**J**	0.50	0.080	ug/L			03/28/23 01:18	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/28/23 01:18	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/28/23 01:18	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/28/23 01:18	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/28/23 01:18	1
Methylene Chloride	ND		0.50	0.10	ug/L			03/28/23 01:18	1
Styrene	ND		0.50	0.070	ug/L			03/28/23 01:18	1
Tetrachloroethene	**0.61**		0.50	0.20	ug/L			03/28/23 01:18	1
Toluene	ND		0.50	0.080	ug/L			03/28/23 01:18	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/28/23 01:18	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/28/23 01:18	1
Trichloroethene	**0.26**	**J**	0.50	0.080	ug/L			03/28/23 01:18	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			03/28/23 01:18	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/28/23 01:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*03/28/23 01:18*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*03/28/23 01:18*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/28/23 01:18*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/28/23 01:18*	*1*

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

Lab Sample ID: 410-119839-8

Date Collected: 03/22/23 10:45

Matrix: Water

Date Received: 03/22/23 15:50

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			03/28/23 01:39	1
1,1,1-Trichloroethane	**5.1**		0.50	0.080	ug/L			03/28/23 01:39	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/28/23 01:39	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/28/23 01:39	1
1,1-Dichloroethane	**1.3**		0.50	0.10	ug/L			03/28/23 01:39	1
1,1-Dichloroethene	**0.41**	**J**	0.50	0.10	ug/L			03/28/23 01:39	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/28/23 01:39	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/28/23 01:39	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/28/23 01:39	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/28/23 01:39	1
2-Hexanone	ND		5.0	0.10	ug/L			03/28/23 01:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/28/23 01:39	1
Acetone	ND		5.0	1.0	ug/L			03/28/23 01:39	1
Benzene	ND		0.50	0.10	ug/L			03/28/23 01:39	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/28/23 01:39	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/28/23 01:39	1
Bromoform	ND	^c cn	1.0	0.30	ug/L			03/28/23 01:39	1
Bromomethane	ND		0.50	0.10	ug/L			03/28/23 01:39	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/28/23 01:39	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/28/23 01:39	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/28/23 01:39	1
Chloroethane	ND		0.50	0.10	ug/L			03/28/23 01:39	1
Chloroform	**0.19**	**J**	0.50	0.090	ug/L			03/28/23 01:39	1
Chloromethane	**0.11**	**J ^c cn**	0.50	0.10	ug/L			03/28/23 01:39	1
cis-1,2-Dichloroethene	**4.7**		0.50	0.080	ug/L			03/28/23 01:39	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/28/23 01:39	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/28/23 01:39	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/28/23 01:39	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/28/23 01:39	1
Methylene Chloride	ND		0.50	0.10	ug/L			03/28/23 01:39	1
Styrene	ND		0.50	0.070	ug/L			03/28/23 01:39	1
Toluene	ND		0.50	0.080	ug/L			03/28/23 01:39	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/28/23 01:39	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/28/23 01:39	1
Trichloroethene	**4.0**		0.50	0.080	ug/L			03/28/23 01:39	1
Vinyl chloride	**0.11**	**J ^c cn**	0.50	0.10	ug/L			03/28/23 01:39	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/28/23 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*03/28/23 01:39*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*03/28/23 01:39*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*03/28/23 01:39*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/28/23 01:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**49**		5.0	2.0	ug/L			03/30/23 01:09	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*03/30/23 01:09*	*10*

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

Lab Sample ID: 410-119839-8

Date Collected: 03/22/23 10:45

Matrix: Water

Date Received: 03/22/23 15:50

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*03/30/23 01:09*	*10*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/30/23 01:09*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/30/23 01:09*	*10*

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

Lab Sample ID: 410-119839-9

Date Collected: 03/22/23 12:05

Matrix: Water

Date Received: 03/22/23 15:50

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			03/28/23 01:59	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/28/23 01:59	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/28/23 01:59	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/28/23 01:59	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/28/23 01:59	1
1,1-Dichloroethene	**0.16**	**J**	0.50	0.10	ug/L			03/28/23 01:59	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/28/23 01:59	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/28/23 01:59	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/28/23 01:59	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/28/23 01:59	1
2-Hexanone	ND		5.0	0.10	ug/L			03/28/23 01:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/28/23 01:59	1
Acetone	ND		5.0	1.0	ug/L			03/28/23 01:59	1
Benzene	ND		0.50	0.10	ug/L			03/28/23 01:59	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/28/23 01:59	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/28/23 01:59	1
Bromoform	ND	^c cn	1.0	0.30	ug/L			03/28/23 01:59	1
Bromomethane	ND		0.50	0.10	ug/L			03/28/23 01:59	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/28/23 01:59	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/28/23 01:59	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/28/23 01:59	1
Chloroethane	ND		0.50	0.10	ug/L			03/28/23 01:59	1
Chloroform	**0.47**	**J**	0.50	0.090	ug/L			03/28/23 01:59	1
Chloromethane	**0.15**	**J ^c cn**	0.50	0.10	ug/L			03/28/23 01:59	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			03/28/23 01:59	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/28/23 01:59	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/28/23 01:59	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/28/23 01:59	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/28/23 01:59	1
Methylene Chloride	ND		0.50	0.10	ug/L			03/28/23 01:59	1
Styrene	ND		0.50	0.070	ug/L			03/28/23 01:59	1
Tetrachloroethene	**4.2**		0.50	0.20	ug/L			03/28/23 01:59	1
Toluene	ND		0.50	0.080	ug/L			03/28/23 01:59	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/28/23 01:59	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/28/23 01:59	1
Trichloroethene	**0.17**	**J**	0.50	0.080	ug/L			03/28/23 01:59	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			03/28/23 01:59	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/28/23 01:59	1

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

Lab Sample ID: 410-119839-9

Date Collected: 03/22/23 12:05

Matrix: Water

Date Received: 03/22/23 15:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		03/28/23 01:59	1
4-Bromofluorobenzene (Surr)	90		80 - 120		03/28/23 01:59	1
Dibromofluoromethane (Surr)	104		80 - 120		03/28/23 01:59	1
Toluene-d8 (Surr)	100		80 - 120		03/28/23 01:59	1

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

Lab Sample ID: 410-119839-10

Date Collected: 03/22/23 12:40

Matrix: Water

Date Received: 03/22/23 15:50

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			03/28/23 02:20	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/28/23 02:20	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/28/23 02:20	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/28/23 02:20	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/28/23 02:20	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/28/23 02:20	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/28/23 02:20	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/28/23 02:20	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/28/23 02:20	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/28/23 02:20	1
2-Hexanone	ND		5.0	0.10	ug/L			03/28/23 02:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/28/23 02:20	1
Acetone	**2.0**	**J**	5.0	1.0	ug/L			03/28/23 02:20	1
Benzene	ND		0.50	0.10	ug/L			03/28/23 02:20	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/28/23 02:20	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/28/23 02:20	1
Bromoform	ND	^c cn	1.0	0.30	ug/L			03/28/23 02:20	1
Bromomethane	ND		0.50	0.10	ug/L			03/28/23 02:20	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/28/23 02:20	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/28/23 02:20	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/28/23 02:20	1
Chloroethane	ND		0.50	0.10	ug/L			03/28/23 02:20	1
Chloroform	**0.097**	**J**	0.50	0.090	ug/L			03/28/23 02:20	1
Chloromethane	**0.19**	**J ^c cn**	0.50	0.10	ug/L			03/28/23 02:20	1
cis-1,2-Dichloroethene	**0.24**	**J**	0.50	0.080	ug/L			03/28/23 02:20	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/28/23 02:20	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/28/23 02:20	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/28/23 02:20	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/28/23 02:20	1
Methylene Chloride	ND		0.50	0.10	ug/L			03/28/23 02:20	1
Styrene	ND		0.50	0.070	ug/L			03/28/23 02:20	1
Tetrachloroethene	**0.32**	**J**	0.50	0.20	ug/L			03/28/23 02:20	1
Toluene	ND		0.50	0.080	ug/L			03/28/23 02:20	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/28/23 02:20	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/28/23 02:20	1
Trichloroethene	**0.27**	**J**	0.50	0.080	ug/L			03/28/23 02:20	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			03/28/23 02:20	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/28/23 02:20	1

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

Lab Sample ID: 410-119839-10

Date Collected: 03/22/23 12:40

Matrix: Water

Date Received: 03/22/23 15:50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*03/28/23 02:20*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*03/28/23 02:20*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/28/23 02:20*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/28/23 02:20*	*1*

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

Lab Sample ID: 410-119839-11

Date Collected: 03/22/23 13:50

Matrix: Water

Date Received: 03/22/23 15:50

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			03/28/23 02:41	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/28/23 02:41	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/28/23 02:41	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/28/23 02:41	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/28/23 02:41	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/28/23 02:41	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/28/23 02:41	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/28/23 02:41	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/28/23 02:41	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/28/23 02:41	1
2-Hexanone	ND		5.0	0.10	ug/L			03/28/23 02:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/28/23 02:41	1
Acetone	**1.8**	**J**	5.0	1.0	ug/L			03/28/23 02:41	1
Benzene	ND		0.50	0.10	ug/L			03/28/23 02:41	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/28/23 02:41	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/28/23 02:41	1
Bromoform	ND	^c cn	1.0	0.30	ug/L			03/28/23 02:41	1
Bromomethane	ND		0.50	0.10	ug/L			03/28/23 02:41	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/28/23 02:41	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/28/23 02:41	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/28/23 02:41	1
Chloroethane	ND		0.50	0.10	ug/L			03/28/23 02:41	1
Chloroform	ND		0.50	0.090	ug/L			03/28/23 02:41	1
Chloromethane	**0.16**	**J ^c cn**	0.50	0.10	ug/L			03/28/23 02:41	1
cis-1,2-Dichloroethene	**0.17**	**J**	0.50	0.080	ug/L			03/28/23 02:41	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/28/23 02:41	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/28/23 02:41	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/28/23 02:41	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/28/23 02:41	1
Methylene Chloride	ND		0.50	0.10	ug/L			03/28/23 02:41	1
Styrene	ND		0.50	0.070	ug/L			03/28/23 02:41	1
Tetrachloroethene	**0.24**	**J**	0.50	0.20	ug/L			03/28/23 02:41	1
Toluene	ND		0.50	0.080	ug/L			03/28/23 02:41	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/28/23 02:41	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/28/23 02:41	1
Trichloroethene	**0.21**	**J**	0.50	0.080	ug/L			03/28/23 02:41	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			03/28/23 02:41	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/28/23 02:41	1

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

Lab Sample ID: 410-119839-11

Date Collected: 03/22/23 13:50

Matrix: Water

Date Received: 03/22/23 15:50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*03/28/23 02:41*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*03/28/23 02:41*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/28/23 02:41*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/28/23 02:41*	*1*

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

Lab Sample ID: 410-119839-12

Date Collected: 03/22/23 09:30

Matrix: Water

Date Received: 03/22/23 15:50

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			03/28/23 03:01	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/28/23 03:01	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/28/23 03:01	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/28/23 03:01	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/28/23 03:01	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/28/23 03:01	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/28/23 03:01	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/28/23 03:01	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/28/23 03:01	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/28/23 03:01	1
2-Hexanone	ND		5.0	0.10	ug/L			03/28/23 03:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/28/23 03:01	1
Acetone	**1.5**	**J**	5.0	1.0	ug/L			03/28/23 03:01	1
Benzene	ND		0.50	0.10	ug/L			03/28/23 03:01	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/28/23 03:01	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/28/23 03:01	1
Bromoform	ND	^c cn	1.0	0.30	ug/L			03/28/23 03:01	1
Bromomethane	ND		0.50	0.10	ug/L			03/28/23 03:01	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/28/23 03:01	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/28/23 03:01	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/28/23 03:01	1
Chloroethane	ND		0.50	0.10	ug/L			03/28/23 03:01	1
Chloroform	ND		0.50	0.090	ug/L			03/28/23 03:01	1
Chloromethane	ND	^c cn	0.50	0.10	ug/L			03/28/23 03:01	1
cis-1,2-Dichloroethene	**0.23**	**J**	0.50	0.080	ug/L			03/28/23 03:01	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/28/23 03:01	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/28/23 03:01	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/28/23 03:01	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/28/23 03:01	1
Methylene Chloride	ND		0.50	0.10	ug/L			03/28/23 03:01	1
Styrene	ND		0.50	0.070	ug/L			03/28/23 03:01	1
Tetrachloroethene	**0.41**	**J**	0.50	0.20	ug/L			03/28/23 03:01	1
Toluene	ND		0.50	0.080	ug/L			03/28/23 03:01	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/28/23 03:01	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/28/23 03:01	1
Trichloroethene	**0.26**	**J**	0.50	0.080	ug/L			03/28/23 03:01	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			03/28/23 03:01	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/28/23 03:01	1

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

Lab Sample ID: 410-119839-12

Date Collected: 03/22/23 09:30

Matrix: Water

Date Received: 03/22/23 15:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*03/28/23 03:01*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*03/28/23 03:01*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*03/28/23 03:01*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/28/23 03:01*	*1*

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

Lab Sample ID: 410-119839-13

Date Collected: 03/22/23 12:00

Matrix: Water

Date Received: 03/22/23 15:50

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			03/28/23 03:22	1
1,1,1-Trichloroethane	**4.9**		0.50	0.080	ug/L			03/28/23 03:22	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/28/23 03:22	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/28/23 03:22	1
1,1-Dichloroethane	**1.3**		0.50	0.10	ug/L			03/28/23 03:22	1
1,1-Dichloroethene	**0.40**	**J**	0.50	0.10	ug/L			03/28/23 03:22	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/28/23 03:22	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/28/23 03:22	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/28/23 03:22	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/28/23 03:22	1
2-Hexanone	ND		5.0	0.10	ug/L			03/28/23 03:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/28/23 03:22	1
Acetone	ND		5.0	1.0	ug/L			03/28/23 03:22	1
Benzene	ND		0.50	0.10	ug/L			03/28/23 03:22	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/28/23 03:22	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/28/23 03:22	1
Bromoform	ND	^c cn	1.0	0.30	ug/L			03/28/23 03:22	1
Bromomethane	ND		0.50	0.10	ug/L			03/28/23 03:22	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/28/23 03:22	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/28/23 03:22	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/28/23 03:22	1
Chloroethane	ND		0.50	0.10	ug/L			03/28/23 03:22	1
Chloroform	**0.19**	**J**	0.50	0.090	ug/L			03/28/23 03:22	1
Chloromethane	ND	^c cn	0.50	0.10	ug/L			03/28/23 03:22	1
cis-1,2-Dichloroethene	**4.3**		0.50	0.080	ug/L			03/28/23 03:22	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/28/23 03:22	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/28/23 03:22	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/28/23 03:22	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/28/23 03:22	1
Methylene Chloride	ND		0.50	0.10	ug/L			03/28/23 03:22	1
Styrene	ND		0.50	0.070	ug/L			03/28/23 03:22	1
Toluene	ND		0.50	0.080	ug/L			03/28/23 03:22	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/28/23 03:22	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/28/23 03:22	1
Trichloroethene	**3.7**		0.50	0.080	ug/L			03/28/23 03:22	1
Vinyl chloride	**0.12**	**J ^c cn**	0.50	0.10	ug/L			03/28/23 03:22	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/28/23 03:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*03/28/23 03:22*	*1*

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

Lab Sample ID: 410-119839-13

Date Collected: 03/22/23 12:00

Matrix: Water

Date Received: 03/22/23 15:50

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*03/28/23 03:22*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*03/28/23 03:22*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/28/23 03:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**50**		5.0	2.0	ug/L			03/30/23 01:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*03/30/23 01:30*	*10*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*03/30/23 01:30*	*10*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*03/30/23 01:30*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/30/23 01:30*	*10*

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

Lab Sample ID: 410-119839-14

Date Collected: 03/22/23 00:00

Matrix: Water

Date Received: 03/22/23 15:50

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			03/27/23 20:47	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/27/23 20:47	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/27/23 20:47	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/27/23 20:47	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/27/23 20:47	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/27/23 20:47	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/27/23 20:47	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/27/23 20:47	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/27/23 20:47	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/27/23 20:47	1
2-Hexanone	ND		5.0	0.10	ug/L			03/27/23 20:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/27/23 20:47	1
Acetone	**1.3**	**J**	5.0	1.0	ug/L			03/27/23 20:47	1
Benzene	ND		0.50	0.10	ug/L			03/27/23 20:47	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/27/23 20:47	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/27/23 20:47	1
Bromoform	ND	^c cn	1.0	0.30	ug/L			03/27/23 20:47	1
Bromomethane	ND		0.50	0.10	ug/L			03/27/23 20:47	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/27/23 20:47	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/27/23 20:47	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/27/23 20:47	1
Chloroethane	ND		0.50	0.10	ug/L			03/27/23 20:47	1
Chloroform	ND		0.50	0.090	ug/L			03/27/23 20:47	1
Chloromethane	ND	^c cn	0.50	0.10	ug/L			03/27/23 20:47	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			03/27/23 20:47	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/27/23 20:47	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/27/23 20:47	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/27/23 20:47	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/27/23 20:47	1
Methylene Chloride	ND		0.50	0.10	ug/L			03/27/23 20:47	1

Client: Groundwater Sciences Corporation
Job ID: 410-119839-1
Project/Site: fYNOP Monthly Surface Water

Client Sample ID: GD-QC1-0/1-2
Lab Sample ID: 410-119839-14
Date Collected: 03/22/23 00:00
Matrix: Water
Date Received: 03/22/23 15:50

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			03/27/23 20:47	1
Tetrachloroethene	ND		0.50	0.20	ug/L			03/27/23 20:47	1
Toluene	ND		0.50	0.080	ug/L			03/27/23 20:47	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/27/23 20:47	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/27/23 20:47	1
Trichloroethene	ND		0.50	0.080	ug/L			03/27/23 20:47	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			03/27/23 20:47	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/27/23 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*03/27/23 20:47*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*03/27/23 20:47*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*03/27/23 20:47*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/27/23 20:47*	*1*

Default Detection Limits

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

Job ID: 410-119839-1

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	0.10	ug/L
4-Methyl-2-pentanone (MIBK)	5.0	1.0	ug/L
Acetone	5.0	1.0	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	0.10	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: 410-119839-1

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)
410-119839-1	HD-COD-SW-6-0/1-0	104	89	104	101
410-119839-2	HD-COD-SW-7-0/1-0	107	90	105	101
410-119839-3	HD-COD-SW-8-0/1-0	109	90	107	104
410-119839-4	HD-COD-SW-9-0/1-0	110	90	106	102
410-119839-5	HD-COD-SW-13-0/1-0	107	89	104	102
410-119839-6	HD-COD-SW-15-0/1-0	107	90	104	101
410-119839-6 MS	HD-COD-SW-15-0/1-0 MS	104	96	102	104
410-119839-6 MSD	HD-COD-SW-15-0/1-0 MSD	107	95	101	103
410-119839-7	HD-COD-SW-16-0/1-0	106	90	104	102
410-119839-8	HD-COD-SW-17-0/1-0	106	89	105	100
410-119839-8 - DL	HD-COD-SW-17-0/1-0	103	98	104	97
410-119839-9	HD-COD-SW-26-0/1-0	103	90	104	100
410-119839-10	HD-COD-SW-27-0/1-0	108	90	104	101
410-119839-11	HD-COD-SW-28-0/1-0	109	90	106	103
410-119839-12	HD-COD-SW-29-0/1-0	105	90	105	103
410-119839-13	GD-QC1-0/1-1	107	88	107	100
410-119839-13 - DL	GD-QC1-0/1-1	104	100	105	97
410-119839-14	GD-QC1-0/1-2	104	92	103	101
LCS 410-357851/4	Lab Control Sample	104	96	102	105
LCS 410-358849/4	Lab Control Sample	100	99	102	98
MB 410-357851/6	Method Blank	110	91	103	102
MB 410-358849/6	Method Blank	101	100	102	98

Surrogate Legend

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

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

Lab Sample ID: MB 410-357851/6
Matrix: Water
Analysis Batch: 357851

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			03/27/23 20:26	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/27/23 20:26	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/27/23 20:26	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/27/23 20:26	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/27/23 20:26	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/27/23 20:26	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/27/23 20:26	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/27/23 20:26	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/27/23 20:26	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/27/23 20:26	1
2-Hexanone	ND		5.0	0.10	ug/L			03/27/23 20:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/27/23 20:26	1
Acetone	ND		5.0	1.0	ug/L			03/27/23 20:26	1
Benzene	ND		0.50	0.10	ug/L			03/27/23 20:26	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/27/23 20:26	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/27/23 20:26	1
Bromoform	ND		1.0	0.30	ug/L			03/27/23 20:26	1
Bromomethane	ND		0.50	0.10	ug/L			03/27/23 20:26	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/27/23 20:26	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/27/23 20:26	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/27/23 20:26	1
Chloroethane	ND		0.50	0.10	ug/L			03/27/23 20:26	1
Chloroform	ND		0.50	0.090	ug/L			03/27/23 20:26	1
Chloromethane	ND		0.50	0.10	ug/L			03/27/23 20:26	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			03/27/23 20:26	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/27/23 20:26	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/27/23 20:26	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/27/23 20:26	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/27/23 20:26	1
Methylene Chloride	ND		0.50	0.10	ug/L			03/27/23 20:26	1
Styrene	ND		0.50	0.070	ug/L			03/27/23 20:26	1
Tetrachloroethene	ND		0.50	0.20	ug/L			03/27/23 20:26	1
Toluene	ND		0.50	0.080	ug/L			03/27/23 20:26	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/27/23 20:26	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/27/23 20:26	1
Trichloroethene	ND		0.50	0.080	ug/L			03/27/23 20:26	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/27/23 20:26	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/27/23 20:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*03/27/23 20:26*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*03/27/23 20:26*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*03/27/23 20:26*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/27/23 20:26*	*1*

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

Lab Sample ID: LCS 410-357851/4
Matrix: Water
Analysis Batch: 357851

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	5.92		ug/L		118	71 - 134
1,1,1-Trichloroethane	5.00	5.25		ug/L		105	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.51		ug/L		110	75 - 123
1,1,2-Trichloroethane	5.00	5.59		ug/L		112	80 - 120
1,1-Dichloroethane	5.00	5.37		ug/L		107	74 - 120
1,1-Dichloroethene	5.00	5.15		ug/L		103	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.83		ug/L		117	80 - 120
1,2-Dichloroethane	5.00	5.75		ug/L		115	69 - 122
1,2-Dichloropropane	5.00	5.45		ug/L		109	80 - 120
2-Butanone (MEK)	62.5	67.9		ug/L		109	59 - 141
2-Hexanone	62.5	65.6		ug/L		105	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	63.4		ug/L		101	55 - 140
Acetone	62.5	61.4		ug/L		98	60 - 146
Benzene	5.00	5.20		ug/L		104	80 - 120
Bromochloromethane	5.00	5.61		ug/L		112	80 - 120
Bromodichloromethane	5.00	5.47		ug/L		109	73 - 124
Bromoform	5.00	5.97		ug/L		119	49 - 144
Carbon disulfide	5.00	5.92		ug/L		118	67 - 130
Carbon tetrachloride	5.00	5.36		ug/L		107	64 - 141
Chlorobenzene	5.00	5.82		ug/L		116	80 - 120
Chloroform	5.00	5.42		ug/L		108	80 - 120
cis-1,2-Dichloroethene	5.00	5.25		ug/L		105	80 - 122
cis-1,3-Dichloropropene	5.00	5.09		ug/L		102	67 - 121
Dibromochloromethane	5.00	6.03		ug/L		121	64 - 138
Ethylbenzene	5.00	5.45		ug/L		109	80 - 120
Methyl tert-butyl ether	5.00	5.06		ug/L		101	69 - 120
Methylene Chloride	5.00	5.44		ug/L		109	80 - 120
Styrene	5.00	5.50		ug/L		110	80 - 120
Tetrachloroethene	5.00	5.61		ug/L		112	80 - 120
Toluene	5.00	5.44		ug/L		109	80 - 120
trans-1,2-Dichloroethene	5.00	5.22		ug/L		104	80 - 122
trans-1,3-Dichloropropene	5.00	5.91		ug/L		118	61 - 129
Trichloroethene	5.00	5.11		ug/L		102	80 - 120
Xylenes, Total	15.0	17.0		ug/L		113	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: 410-119839-6 MS
Matrix: Water
Analysis Batch: 357851

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	5.91		ug/L		118	71 - 134
1,1,1-Trichloroethane	0.38	J	5.00	6.09		ug/L		114	78 - 126

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

Lab Sample ID: 410-119839-6 MS
Matrix: Water
Analysis Batch: 357851

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
1,1,2,2-Tetrachloroethane	ND		5.00	5.39		ug/L		108	75 - 123
1,1,2-Trichloroethane	ND		5.00	5.55		ug/L		111	80 - 120
1,1-Dichloroethane	0.14	J	5.00	5.64		ug/L		110	74 - 120
1,1-Dichloroethene	0.15	J	5.00	5.79		ug/L		113	80 - 131
1,2-Dibromoethane (EDB)	ND		5.00	5.61		ug/L		112	80 - 120
1,2-Dichloroethane	ND		5.00	5.65		ug/L		113	69 - 122
1,2-Dichloropropane	ND		5.00	5.51		ug/L		110	80 - 120
2-Butanone (MEK)	ND		62.6	74.0		ug/L		118	59 - 141
2-Hexanone	ND		62.6	73.4		ug/L		117	52 - 140
4-Methyl-2-pentanone (MIBK)	ND		62.6	71.6		ug/L		114	55 - 140
Acetone	ND		62.6	64.6		ug/L		103	60 - 146
Benzene	ND		5.00	5.37		ug/L		107	80 - 120
Bromochloromethane	ND		5.00	5.52		ug/L		110	80 - 120
Bromodichloromethane	ND		5.00	5.54		ug/L		111	73 - 124
Bromoform	ND	^c cn	5.00	5.63		ug/L		113	49 - 144
Bromomethane	ND		5.00	5.70		ug/L		114	60 - 136
Carbon disulfide	ND		5.00	6.37		ug/L		127	67 - 130
Carbon tetrachloride	ND		5.00	5.92		ug/L		118	64 - 141
Chlorobenzene	ND		5.00	5.80		ug/L		116	80 - 120
Chloroethane	ND		5.00	5.85		ug/L		117	63 - 120
Chloroform	0.29	J	5.00	5.88		ug/L		112	80 - 120
Chloromethane	0.29	J ^c FH cn	5.00	7.28	FH	ug/L		140	80 - 120
cis-1,2-Dichloroethene	1.4		5.00	7.00		ug/L		111	80 - 122
cis-1,3-Dichloropropene	ND		5.00	4.88		ug/L		97	67 - 121
Dibromochloromethane	ND		5.00	5.87		ug/L		117	64 - 138
Ethylbenzene	ND		5.00	5.48		ug/L		110	80 - 120
Methyl tert-butyl ether	ND		5.00	4.82		ug/L		96	69 - 120
Methylene Chloride	ND		5.00	5.45		ug/L		109	80 - 120
Styrene	ND		5.00	5.43		ug/L		109	80 - 120
Tetrachloroethene	6.3		5.00	12.3		ug/L		119	80 - 120
Toluene	ND		5.00	5.58		ug/L		111	80 - 120
trans-1,2-Dichloroethene	ND		5.00	5.46		ug/L		109	80 - 122
trans-1,3-Dichloropropene	ND		5.00	5.63		ug/L		112	61 - 129
Trichloroethene	1.3		5.00	6.59		ug/L		106	80 - 120
Vinyl chloride	ND	^c FH cn	5.00	6.69	FH	ug/L		134	60 - 125
Xylenes, Total	ND		15.0	17.2		ug/L		114	80 - 120

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

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

Lab Sample ID: 410-119839-6 MSD
Matrix: Water
Analysis Batch: 357851

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	5.81		ug/L		116	71 - 134	2	30
1,1,1-Trichloroethane	0.38	J	5.00	5.86		ug/L		110	78 - 126	4	30
1,1,2,2-Tetrachloroethane	ND		5.00	5.28		ug/L		106	75 - 123	2	30
1,1,2-Trichloroethane	ND		5.00	5.41		ug/L		108	80 - 120	2	30
1,1-Dichloroethane	0.14	J	5.00	5.53		ug/L		108	74 - 120	2	30
1,1-Dichloroethene	0.15	J	5.00	5.71		ug/L		111	80 - 131	1	30
1,2-Dibromoethane (EDB)	ND		5.00	5.56		ug/L		111	80 - 120	1	30
1,2-Dichloroethane	ND		5.00	5.64		ug/L		113	69 - 122	0	30
1,2-Dichloropropane	ND		5.00	5.32		ug/L		106	80 - 120	3	30
2-Butanone (MEK)	ND		62.6	67.1		ug/L		107	59 - 141	10	30
2-Hexanone	ND		62.6	66.2		ug/L		106	52 - 140	10	30
4-Methyl-2-pentanone (MIBK)	ND		62.6	64.5		ug/L		103	55 - 140	10	30
Acetone	ND		62.6	60.8		ug/L		97	60 - 146	6	30
Benzene	ND		5.00	5.24		ug/L		105	80 - 120	2	30
Bromochloromethane	ND		5.00	5.47		ug/L		109	80 - 120	1	30
Bromodichloromethane	ND		5.00	5.42		ug/L		108	73 - 124	2	30
Bromoform	ND	^c cn	5.00	5.66		ug/L		113	49 - 144	0	30
Bromomethane	ND		5.00	5.54		ug/L		111	60 - 136	3	30
Carbon disulfide	ND		5.00	6.18		ug/L		123	67 - 130	3	30
Carbon tetrachloride	ND		5.00	5.79		ug/L		116	64 - 141	2	30
Chlorobenzene	ND		5.00	5.78		ug/L		115	80 - 120	0	30
Chloroethane	ND		5.00	5.73		ug/L		114	63 - 120	2	30
Chloroform	0.29	J	5.00	5.77		ug/L		110	80 - 120	2	30
Chloromethane	0.29	J ^c FH cn	5.00	7.09	FH	ug/L		136	80 - 120	3	30
cis-1,2-Dichloroethene	1.4		5.00	6.75		ug/L		106	80 - 122	4	30
cis-1,3-Dichloropropene	ND		5.00	4.84		ug/L		97	67 - 121	1	30
Dibromochloromethane	ND		5.00	5.83		ug/L		116	64 - 138	1	30
Ethylbenzene	ND		5.00	5.48		ug/L		109	80 - 120	0	30
Methyl tert-butyl ether	ND		5.00	4.87		ug/L		97	69 - 120	1	30
Methylene Chloride	ND		5.00	5.42		ug/L		108	80 - 120	1	30
Styrene	ND		5.00	5.35		ug/L		107	80 - 120	1	30
Tetrachloroethene	6.3		5.00	12.0		ug/L		113	80 - 120	3	30
Toluene	ND		5.00	5.52		ug/L		110	80 - 120	1	30
trans-1,2-Dichloroethene	ND		5.00	5.31		ug/L		106	80 - 122	3	30
trans-1,3-Dichloropropene	ND		5.00	5.60		ug/L		112	61 - 129	0	30
Trichloroethene	1.3		5.00	6.44		ug/L		103	80 - 120	2	30
Vinyl chloride	ND	^c FH cn	5.00	6.52	FH	ug/L		130	60 - 125	3	30
Xylenes, Total	ND		15.0	16.8		ug/L		112	80 - 120	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: MB 410-358849/6
Matrix: Water
Analysis Batch: 358849

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			03/29/23 21:07	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/29/23 21:07	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/29/23 21:07	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/29/23 21:07	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/29/23 21:07	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/29/23 21:07	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/29/23 21:07	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/29/23 21:07	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/29/23 21:07	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/29/23 21:07	1
2-Hexanone	ND		5.0	0.10	ug/L			03/29/23 21:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/29/23 21:07	1
Acetone	ND		5.0	1.0	ug/L			03/29/23 21:07	1
Benzene	ND		0.50	0.10	ug/L			03/29/23 21:07	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/29/23 21:07	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/29/23 21:07	1
Bromoform	ND		1.0	0.30	ug/L			03/29/23 21:07	1
Bromomethane	ND		0.50	0.10	ug/L			03/29/23 21:07	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/29/23 21:07	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/29/23 21:07	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/29/23 21:07	1
Chloroethane	ND		0.50	0.10	ug/L			03/29/23 21:07	1
Chloroform	ND		0.50	0.090	ug/L			03/29/23 21:07	1
Chloromethane	ND		0.50	0.10	ug/L			03/29/23 21:07	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			03/29/23 21:07	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/29/23 21:07	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/29/23 21:07	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/29/23 21:07	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/29/23 21:07	1
Methylene Chloride	ND		0.50	0.10	ug/L			03/29/23 21:07	1
Styrene	ND		0.50	0.070	ug/L			03/29/23 21:07	1
Tetrachloroethene	ND		0.50	0.20	ug/L			03/29/23 21:07	1
Toluene	ND		0.50	0.080	ug/L			03/29/23 21:07	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/29/23 21:07	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/29/23 21:07	1
Trichloroethene	ND		0.50	0.080	ug/L			03/29/23 21:07	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/29/23 21:07	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/29/23 21:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*03/29/23 21:07*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*03/29/23 21:07*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*03/29/23 21:07*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/29/23 21:07*	*1*

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

Lab Sample ID: LCS 410-358849/4
Matrix: Water
Analysis Batch: 358849

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	5.18		ug/L		104	71 - 134
1,1,1-Trichloroethane	5.00	4.94		ug/L		99	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.01		ug/L		100	75 - 123
1,1,2-Trichloroethane	5.00	5.06		ug/L		101	80 - 120
1,1-Dichloroethane	5.00	4.74		ug/L		95	74 - 120
1,1-Dichloroethene	5.00	4.90		ug/L		98	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.23		ug/L		105	80 - 120
1,2-Dichloroethane	5.00	4.85		ug/L		97	69 - 122
1,2-Dichloropropane	5.00	4.96		ug/L		99	80 - 120
2-Butanone (MEK)	62.5	62.5		ug/L		100	59 - 141
2-Hexanone	62.5	66.6		ug/L		106	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	66.6		ug/L		106	55 - 140
Acetone	62.5	50.2		ug/L		80	60 - 146
Benzene	5.00	4.92		ug/L		98	80 - 120
Bromochloromethane	5.00	5.09		ug/L		102	80 - 120
Bromodichloromethane	5.00	5.05		ug/L		101	73 - 124
Bromoform	5.00	5.06		ug/L		101	49 - 144
Bromomethane	5.00	4.94		ug/L		99	60 - 136
Carbon disulfide	5.00	4.53		ug/L		91	67 - 130
Carbon tetrachloride	5.00	4.95		ug/L		99	64 - 141
Chlorobenzene	5.00	4.90		ug/L		98	80 - 120
Chloroethane	5.00	5.06		ug/L		101	63 - 120
Chloroform	5.00	4.91		ug/L		98	80 - 120
Chloromethane	5.00	4.76		ug/L		95	56 - 124
cis-1,2-Dichloroethene	5.00	5.01		ug/L		100	80 - 122
cis-1,3-Dichloropropene	5.00	4.96		ug/L		99	67 - 121
Dibromochloromethane	5.00	5.10		ug/L		102	64 - 138
Ethylbenzene	5.00	4.88		ug/L		98	80 - 120
Methyl tert-butyl ether	5.00	4.93		ug/L		99	69 - 120
Methylene Chloride	5.00	4.96		ug/L		99	80 - 120
Styrene	5.00	5.10		ug/L		102	80 - 120
Tetrachloroethene	5.00	4.94		ug/L		99	80 - 120
Toluene	5.00	4.87		ug/L		97	80 - 120
trans-1,2-Dichloroethene	5.00	4.68		ug/L		94	80 - 122
trans-1,3-Dichloropropene	5.00	5.19		ug/L		104	61 - 129
Trichloroethene	5.00	4.72		ug/L		94	80 - 120
Vinyl chloride	5.00	4.66		ug/L		93	60 - 125
Xylenes, Total	15.0	14.9		ug/L		99	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

GC/MS VOA

Analysis Batch: 357851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-119839-1	HD-COD-SW-6-0/1-0	Total/NA	Water	8260D	
410-119839-2	HD-COD-SW-7-0/1-0	Total/NA	Water	8260D	
410-119839-3	HD-COD-SW-8-0/1-0	Total/NA	Water	8260D	
410-119839-4	HD-COD-SW-9-0/1-0	Total/NA	Water	8260D	
410-119839-5	HD-COD-SW-13-0/1-0	Total/NA	Water	8260D	
410-119839-6	HD-COD-SW-15-0/1-0	Total/NA	Water	8260D	
410-119839-7	HD-COD-SW-16-0/1-0	Total/NA	Water	8260D	
410-119839-8	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-119839-9	HD-COD-SW-26-0/1-0	Total/NA	Water	8260D	
410-119839-10	HD-COD-SW-27-0/1-0	Total/NA	Water	8260D	
410-119839-11	HD-COD-SW-28-0/1-0	Total/NA	Water	8260D	
410-119839-12	HD-COD-SW-29-0/1-0	Total/NA	Water	8260D	
410-119839-13	GD-QC1-0/1-1	Total/NA	Water	8260D	
410-119839-14	GD-QC1-0/1-2	Total/NA	Water	8260D	
MB 410-357851/6	Method Blank	Total/NA	Water	8260D	
LCS 410-357851/4	Lab Control Sample	Total/NA	Water	8260D	
410-119839-6 MS	HD-COD-SW-15-0/1-0 MS	Total/NA	Water	8260D	
410-119839-6 MSD	HD-COD-SW-15-0/1-0 MSD	Total/NA	Water	8260D	

Analysis Batch: 358849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-119839-8 - DL	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-119839-13 - DL	GD-QC1-0/1-1	Total/NA	Water	8260D	
MB 410-358849/6	Method Blank	Total/NA	Water	8260D	
LCS 410-358849/4	Lab Control Sample	Total/NA	Water	8260D	

Client Sample ID: HD-COD-SW-6-0/1-0
Lab Sample ID: 410-119839-1

Date Collected: 03/22/23 11:05
Matrix: Water
Date Received: 03/22/23 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	357851	K4WN	ELLE	03/27/23 22:12

Client Sample ID: HD-COD-SW-7-0/1-0
Lab Sample ID: 410-119839-2

Date Collected: 03/22/23 12:28
Matrix: Water
Date Received: 03/22/23 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	357851	K4WN	ELLE	03/27/23 22:33

Client Sample ID: HD-COD-SW-8-0/1-0
Lab Sample ID: 410-119839-3

Date Collected: 03/22/23 09:45
Matrix: Water
Date Received: 03/22/23 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	357851	K4WN	ELLE	03/27/23 22:54

Client Sample ID: HD-COD-SW-9-0/1-0
Lab Sample ID: 410-119839-4

Date Collected: 03/22/23 13:39
Matrix: Water
Date Received: 03/22/23 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	357851	K4WN	ELLE	03/27/23 23:14

Client Sample ID: HD-COD-SW-13-0/1-0
Lab Sample ID: 410-119839-5

Date Collected: 03/22/23 10:15
Matrix: Water
Date Received: 03/22/23 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	357851	K4WN	ELLE	03/27/23 23:35

Client Sample ID: HD-COD-SW-15-0/1-0
Lab Sample ID: 410-119839-6

Date Collected: 03/22/23 12:45
Matrix: Water
Date Received: 03/22/23 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	357851	K4WN	ELLE	03/27/23 23:55

Client Sample ID: HD-COD-SW-16-0/1-0
Lab Sample ID: 410-119839-7

Date Collected: 03/22/23 10:34
Matrix: Water
Date Received: 03/22/23 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	357851	K4WN	ELLE	03/28/23 01:18

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

Lab Sample ID: 410-119839-8

Date Collected: 03/22/23 10:45

Matrix: Water

Date Received: 03/22/23 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	357851	K4WN	ELLE	03/28/23 01:39
Total/NA	Analysis	8260D	DL	10	358849	K4WN	ELLE	03/30/23 01:09

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

Lab Sample ID: 410-119839-9

Date Collected: 03/22/23 12:05

Matrix: Water

Date Received: 03/22/23 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	357851	K4WN	ELLE	03/28/23 01:59

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

Lab Sample ID: 410-119839-10

Date Collected: 03/22/23 12:40

Matrix: Water

Date Received: 03/22/23 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	357851	K4WN	ELLE	03/28/23 02:20

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

Lab Sample ID: 410-119839-11

Date Collected: 03/22/23 13:50

Matrix: Water

Date Received: 03/22/23 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	357851	K4WN	ELLE	03/28/23 02:41

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

Lab Sample ID: 410-119839-12

Date Collected: 03/22/23 09:30

Matrix: Water

Date Received: 03/22/23 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	357851	K4WN	ELLE	03/28/23 03:01

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

Lab Sample ID: 410-119839-13

Date Collected: 03/22/23 12:00

Matrix: Water

Date Received: 03/22/23 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	357851	K4WN	ELLE	03/28/23 03:22
Total/NA	Analysis	8260D	DL	10	358849	K4WN	ELLE	03/30/23 01:30

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

Lab Sample ID: 410-119839-14

Date Collected: 03/22/23 00:00

Matrix: Water

Date Received: 03/22/23 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	357851	K4WN	ELLE	03/27/23 20:47

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: 410-119839-1
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	01-31-24

Method Summary

Client: Groundwater Sciences Corporation
Job ID: 410-119839-1
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: 410-119839-1
Project/Site: fYNOP Monthly Surface Water

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-119839-1	HD-COD-SW-6-0/1-0	Water	03/22/23 11:05	03/22/23 15:50
410-119839-2	HD-COD-SW-7-0/1-0	Water	03/22/23 12:28	03/22/23 15:50
410-119839-3	HD-COD-SW-8-0/1-0	Water	03/22/23 09:45	03/22/23 15:50
410-119839-4	HD-COD-SW-9-0/1-0	Water	03/22/23 13:39	03/22/23 15:50
410-119839-5	HD-COD-SW-13-0/1-0	Water	03/22/23 10:15	03/22/23 15:50
410-119839-6	HD-COD-SW-15-0/1-0	Water	03/22/23 12:45	03/22/23 15:50
410-119839-7	HD-COD-SW-16-0/1-0	Water	03/22/23 10:34	03/22/23 15:50
410-119839-8	HD-COD-SW-17-0/1-0	Water	03/22/23 10:45	03/22/23 15:50
410-119839-9	HD-COD-SW-26-0/1-0	Water	03/22/23 12:05	03/22/23 15:50
410-119839-10	HD-COD-SW-27-0/1-0	Water	03/22/23 12:40	03/22/23 15:50
410-119839-11	HD-COD-SW-28-0/1-0	Water	03/22/23 13:50	03/22/23 15:50
410-119839-12	HD-COD-SW-29-0/1-0	Water	03/22/23 09:30	03/22/23 15:50
410-119839-13	GD-QC1-0/1-1	Water	03/22/23 12:00	03/22/23 15:50
410-119839-14	GD-QC1-0/1-2	Water	03/22/23 00:00	03/22/23 15:50

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-119839-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 274149

Lab Sample ID: IC 410-274149/12 Client Sample ID:

Date Analyzed: 07/11/22 16:51 Lab File ID: HL11X12.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.90	Baseline	UKAD	07/12/22 09:48
1,4-Dioxane	8.54	Split Peak	UKAD	07/12/22 09:48

Lab Sample ID: ICIS 410-274149/13 Client Sample ID:

Date Analyzed: 07/11/22 17:11 Lab File ID: HL11X13.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.88	Baseline	UKAD	07/12/22 09:49

Lab Sample ID: IC 410-274149/14 Client Sample ID:

Date Analyzed: 07/11/22 17:31 Lab File ID: HL11X14.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.54	Split Peak	UKAD	07/12/22 09:51

Lab Sample ID: IC 410-274149/15 Client Sample ID:

Date Analyzed: 07/11/22 17:51 Lab File ID: HL11X15.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.91	Baseline	UKAD	07/12/22 09:51

Lab Sample ID: IC 410-274149/16 Client Sample ID:

Date Analyzed: 07/11/22 18:11 Lab File ID: HL11X16.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.89	Baseline	UKAD	07/12/22 09:53
Acrylonitrile	4.47	Incomplete Integration	UKAD	07/12/22 10:11

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-119839-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 274149

Lab Sample ID: IC 410-274149/17 Client Sample ID:

Date Analyzed: 07/11/22 18:32 Lab File ID: HL11X17.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.95	Baseline	UKAD	07/12/22 09:54
Acrylonitrile	4.48	Incomplete Integration	UKAD	07/12/22 10:11
1,4-Dioxane	8.56	Incomplete Integration	UKAD	07/12/22 10:13

Lab Sample ID: IC 410-274149/18 Client Sample ID:

Date Analyzed: 07/11/22 18:52 Lab File ID: Copy_HL11X18.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.95	Split Peak	UKAD	07/12/22 09:57
Acrylonitrile	4.48	Incomplete Integration	UKAD	07/12/22 10:11
Propionitrile	6.09	Incomplete Integration	UKAD	07/12/22 09:57
1,4-Dioxane	8.56	Incomplete Integration	UKAD	07/12/22 09:58
Ethyl methacrylate	10.07	Incomplete Integration	UKAD	07/12/22 09:58

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-119839-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 275687

Lab Sample ID: ICV 410-275687/4 Client Sample ID:

Date Analyzed: 07/14/22 20:04 Lab File ID: copy_HL14X03.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.93	Incomplete Integration	K4WN	07/14/22 20:43
1,3-Butadiene	2.24	Incomplete Integration	K4WN	07/14/22 20:44
Vinyl chloride	2.24	Incomplete Integration	K4WN	07/14/22 20:44
Methyl acetate	3.90	Incomplete Integration	K4WN	07/14/22 20:44
t-Butyl alcohol	4.25	Incomplete Integration	K4WN	07/14/22 20:45

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-119839-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 357851

Lab Sample ID: CCVIS 410-357851/3 Client Sample ID:

Date Analyzed: 03/27/23 19:24 Lab File ID: HM27X02.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	2.23	Incomplete Integration	JS6E	03/27/23 19:48
Acrolein	3.35	Incomplete Integration	JS6E	03/27/23 19:59
Methyl acetate	3.93	Incomplete Integration	JS6E	03/27/23 19:52

Lab Sample ID: 410-119839-2 Client Sample ID: HD-COD-SW-7-0/1-0

Date Analyzed: 03/27/23 22:33 Lab File ID: HM27X11.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	8.13	Incomplete Integration	innoonk	03/28/23 11:18
Tetrachloroethene	10.29	Incomplete Integration	innoonk	03/28/23 11:18

Lab Sample ID: 410-119839-3 Client Sample ID: HD-COD-SW-8-0/1-0

Date Analyzed: 03/27/23 22:54 Lab File ID: HM27X12.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.80	Incomplete Integration	innoonk	03/28/23 11:19
Trichloroethene	8.13	Incomplete Integration	innoonk	03/28/23 11:20
1,1,1-Trichloroethane		Invalid Compound ID	innoonk	03/28/23 11:19

Lab Sample ID: 410-119839-6 Client Sample ID: HD-COD-SW-15-0/1-0

Date Analyzed: 03/27/23 23:55 Lab File ID: HM27X15.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
trans-1,3-Dichloropropene		Invalid Compound ID	innoonk	03/28/23 11:23

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-119839-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 357851

Lab Sample ID: 410-119839-9 Client Sample ID: HD-COD-SW-26-0/1-0

Date Analyzed: 03/28/23 01:59 Lab File ID: HM27X21.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	8.13	Incomplete Integration	innoonk	03/28/23 13:58
1,1,1-Trichloroethane		Invalid Compound ID	innoonk	03/28/23 13:57
Acetone		Invalid Compound ID	innoonk	03/28/23 13:57

Lab Sample ID: 410-119839-11 Client Sample ID: HD-COD-SW-28-0/1-0

Date Analyzed: 03/28/23 02:41 Lab File ID: HM27X23.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	8.12	Incomplete Integration	innoonk	03/28/23 14:10

Lab Sample ID: 410-119839-13 Client Sample ID: GD-QC1-0/1-1

Date Analyzed: 03/28/23 03:22 Lab File ID: HM27X25.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	2.22	Incomplete Integration	innoonk	03/28/23 14:51
Chloroform	6.55	Incomplete Integration	innoonk	03/28/23 14:51
Acetone		Invalid Compound ID	innoonk	03/28/23 14:51

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-119839-1

SDG No.:

Instrument ID: 19930 Analysis Batch Number: 355532

Lab Sample ID: IC 410-355532/3 Client Sample ID:

Date Analyzed: 03/21/23 01:00 Lab File ID: IM21X02.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorodifluoromethane	1.92	Incomplete Integration	K4WN	03/21/23 16:39
Methoxymethane	1.99	Incomplete Integration	K4WN	03/21/23 16:39
Acetonitrile	3.84	Incomplete Integration	K4WN	03/21/23 16:40
Cyclohexanone	12.00	Incomplete Integration	K4WN	03/21/23 16:56

Lab Sample ID: IC 410-355532/4 Client Sample ID:

Date Analyzed: 03/21/23 01:20 Lab File ID: IM21X03.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxymethane	1.98	Incomplete Integration	K4WN	03/21/23 16:42
Acetonitrile	3.91	Incomplete Integration	K4WN	03/21/23 16:42
cis-1,4-Dichloro-2-butene	11.97	Peak assignment corrected	DVW2	03/21/23 10:23
Cyclohexanone	12.00	Incomplete Integration	K4WN	03/21/23 16:55

Lab Sample ID: IC 410-355532/5 Client Sample ID:

Date Analyzed: 03/21/23 01:40 Lab File ID: IM21X04.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.90	Incomplete Integration	K4WN	03/21/23 16:43
Vinyl acetate	5.14	Incomplete Integration	K4WN	03/21/23 16:44
Cyclohexanone	12.00	Incomplete Integration	K4WN	03/21/23 16:55

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-119839-1

SDG No.:

Instrument ID: 19930 Analysis Batch Number: 355532

Lab Sample ID: IC 410-355532/6 Client Sample ID:

Date Analyzed: 03/21/23 02:00 Lab File ID: IM21X05.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorodifluoromethane	1.91	Incomplete Integration	K4WN	03/21/23 16:44
Methoxymethane	1.98	Incomplete Integration	K4WN	03/21/23 16:45
Acetonitrile	3.92	Incomplete Integration	K4WN	03/21/23 16:45
cis-1,4-Dichloro-2-butene	11.97	Incomplete Integration	K4WN	03/21/23 16:45
Cyclohexanone	12.01	Incomplete Integration	K4WN	03/21/23 16:55

Lab Sample ID: IC 410-355532/7 Client Sample ID:

Date Analyzed: 03/21/23 02:20 Lab File ID: IM21X06.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxymethane	1.98	Incomplete Integration	K4WN	03/21/23 16:46
Acetonitrile	3.92	Incomplete Integration	K4WN	03/21/23 16:46
t-Butyl alcohol-d10 (IS)	4.17	Incomplete Integration	K4WN	03/21/23 16:46
cis-1,4-Dichloro-2-butene	11.97	Incomplete Integration	K4WN	03/21/23 16:47
Cyclohexanone	12.00	Incomplete Integration	K4WN	03/21/23 16:54

Lab Sample ID: IC 410-355532/8 Client Sample ID:

Date Analyzed: 03/21/23 02:41 Lab File ID: IM21X07.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxymethane	1.98	Incomplete Integration	K4WN	03/21/23 16:47
Vinyl acetate	5.17	Incomplete Integration	K4WN	03/21/23 16:47
Ethyl acetate	6.06	Incomplete Integration	K4WN	03/21/23 16:48
cis-1,4-Dichloro-2-butene	11.97	Incomplete Integration	K4WN	03/21/23 16:48
Cyclohexanone	12.01	Incomplete Integration	K4WN	03/21/23 16:54

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-119839-1

SDG No.:

Instrument ID: 19930 Analysis Batch Number: 355532

Lab Sample ID: IC 410-355532/9 Client Sample ID:

Date Analyzed: 03/21/23 03:01 Lab File ID: IM21X08.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl acetate	5.18	Incomplete Integration	K4WN	03/21/23 16:48
Ethyl acetate	6.05	Incomplete Integration	K4WN	03/21/23 16:48
cis-1,4-Dichloro-2-butene	11.97	Incomplete Integration	K4WN	03/21/23 16:49
Cyclohexanone	12.01	Incomplete Integration	K4WN	03/21/23 16:54

Lab Sample ID: IC 410-355532/12 Client Sample ID:

Date Analyzed: 03/21/23 04:01 Lab File ID: IM21X11.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.87	Incomplete Integration	K4WN	03/21/23 15:38
1,4-Dioxane	8.53	Incomplete Integration	K4WN	03/21/23 15:38

Lab Sample ID: ICIS 410-355532/13 Client Sample ID:

Date Analyzed: 03/21/23 04:22 Lab File ID: IM21X12.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.90	Incomplete Integration	K4WN	03/21/23 15:43
Methyl acetate	3.88	Incomplete Integration	K4WN	03/21/23 15:43

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-119839-1

SDG No.:

Instrument ID: 19930 Analysis Batch Number: 355532

Lab Sample ID: IC 410-355532/14 Client Sample ID:

Date Analyzed: 03/21/23 04:42 Lab File ID: IM21X13.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.49	Incomplete Integration	K4WN	03/21/23 16:13
Methyl acetate	3.89	Incomplete Integration	K4WN	03/21/23 15:46
t-Butyl alcohol-d10 (IS)	4.14	Incomplete Integration	K4WN	03/21/23 16:12
t-Butyl alcohol	4.27	Incomplete Integration	K4WN	03/21/23 15:47
Acrylonitrile	4.43	Incomplete Integration	K4WN	03/21/23 15:47
1,2-Dichloroethane	7.24	Incomplete Integration	K4WN	03/21/23 15:48
1,4-Dioxane	8.53	Incomplete Integration	K4WN	03/21/23 15:48

Lab Sample ID: IC 410-355532/15 Client Sample ID:

Date Analyzed: 03/21/23 05:02 Lab File ID: IM21X14.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.48	Incomplete Integration	K4WN	03/21/23 15:49
t-Butyl alcohol-d10 (IS)	4.14	Incomplete Integration	K4WN	03/21/23 16:08

Lab Sample ID: IC 410-355532/16 Client Sample ID:

Date Analyzed: 03/21/23 05:22 Lab File ID: IM21X15.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.50	Incomplete Integration	K4WN	03/21/23 15:52
Methyl acetate	3.89	Incomplete Integration	K4WN	03/21/23 15:52
trans-1,4-Dichloro-2-butene	12.19	Incomplete Integration	K4WN	03/21/23 16:27

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-119839-1

SDG No.:

Instrument ID: 19930 Analysis Batch Number: 355532

Lab Sample ID: IC 410-355532/17 Client Sample ID:

Date Analyzed: 03/21/23 05:42 Lab File ID: IM21X16.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.89	Incomplete Integration	K4WN	03/21/23 15:54
Acrylonitrile	4.46	Incomplete Integration	K4WN	03/21/23 15:55
t-Amyl methyl ether	7.37	Incomplete Integration	K4WN	03/21/23 15:55
n-Butanol	7.99	Incomplete Integration	K4WN	03/21/23 16:07
1,4-Dioxane	8.52	Incomplete Integration	K4WN	03/21/23 15:56

Lab Sample ID: IC 410-355532/18 Client Sample ID:

Date Analyzed: 03/21/23 06:02 Lab File ID: IM21X17.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.50	Incomplete Integration	K4WN	03/21/23 16:02
Methyl acetate	3.94	Incomplete Integration	K4WN	03/21/23 15:57
t-Butyl alcohol	4.25	Incomplete Integration	K4WN	03/21/23 15:57
Propionitrile	6.08	Incomplete Integration	K4WN	03/21/23 15:57
n-Butanol	8.17	Incomplete Integration	K4WN	03/21/23 15:57
Methyl methacrylate	8.48	Incomplete Integration	K4WN	03/21/23 15:58
Dibromomethane	8.49	Incomplete Integration	K4WN	03/21/23 15:58
1,4-Dioxane	8.56	Incomplete Integration	K4WN	03/21/23 15:58

Lab Sample ID: ICV 410-355532/19 Client Sample ID:

Date Analyzed: 03/21/23 06:23 Lab File ID: IM21X18.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.89	Incomplete Integration	K4WN	03/21/23 17:38

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-119839-1

SDG No.:

Instrument ID: 19930 Analysis Batch Number: 358849

Lab Sample ID: CCVIS 410-358849/3 Client Sample ID:

Date Analyzed: 03/29/23 20:06 Lab File ID: IM29X02.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.90	Incomplete Integration	K4WN	03/29/23 20:29
1,4-Dioxane	8.48	Incomplete Integration	K4WN	03/29/23 20:30

Lab Sample ID: MB 410-358849/6 Client Sample ID:

Date Analyzed: 03/29/23 21:07 Lab File ID: IM29X05.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone		Invalid Compound ID	kaewrungrueangp	03/30/23 12:46

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_CCV_CYC_00005	06/23/23	01/23/23	50/50 MeOH/Water, Lot EB679	200 mL	MSV_VCYC_STK_00009	9.615 mL	Cyclohexanone	6249.75 ug/mL
.MSV_VCYC_STK_00009	06/23/23	01/23/23	50/50 MeOH/Water, Lot EB679	10 mL	MSV_CYC_00008	1.3 g	Cyclohexanone	130000 ug/mL
..MSV_CYC_00008	06/30/25	Chem Service, Lot 13529800			(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_V5ACE_00022	04/05/23	03/06/23	Methanol, Lot EB679	10 mL	MSV_AcetatesV_00035	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00035	10/31/23	Restek, Lot A0184542			(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Ethyl acetate	10000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_DME_00045	03/29/23	Restek, Lot A0190883			(Purchased Reagent)		Dimethyl ether	1000 ug/mL
MSV_HP25_ISSS_00066	09/06/23	03/06/23	Methanol, Lot EB679	10 mL	MSV_Cus826_IS_00540	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_00540	04/30/25	Restek, Lot A0184225			(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_00066	09/06/23	03/06/23	Methanol, Lot EB679	10 mL	MSV_8260_SS_00855	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_00855	03/31/25	Restek, Lot A0183565			(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_00063	08/09/22	07/10/22	Methanol, Lot EB679	25 mL	MSV_M_MIX1SEC_00076	1 mL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,2-Dibromoethane (EDB)	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							Benzene	40 ug/mL
							Bromochloromethane	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Methylene Chloride	40 ug/mL
							Styrene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00073	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00075	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_00076	04/30/24		Restek, Lot A0171815		(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_00073	04/30/24		Restek, Lot A0171837		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00075	01/31/24		Restek, Lot A0178490		(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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_LCS_VOC#1_00101	04/18/23	03/19/23	Methanol, Lot EB679	25 mL	MSV_M_MIX1SEC_00123	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_00121	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00121	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_00123	04/30/25		Restek, Lot A0184354		(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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00121	04/30/25		Restek, Lot A0184412		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00121	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_00102	04/25/23	03/26/23	Methanol, Lot EB679	25 mL	MSV_M_MIX1SEC_00127	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_00126	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_Q_Ketones_00123	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_00127	04/30/25		Restek, Lot A0184354		(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_00126	04/30/25		Restek, Lot A0184412		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00123	01/31/24		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_LL_#1_826_00049	07/23/22	07/11/22	Methanol, Lot EB679	1 mL	MSV_CCV_VOC#1_00078	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

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-119839-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-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
							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

Lab Name: Eurofins Lancaster Laboratories Envir(Job No.: 410-119839-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00078	200 uL	Acrolein	2500 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_00148	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_00078	08/09/22	07/10/22	Methanol, Lot EB679	5 mL	MSV_MegaMIX#1_00076	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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-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_00076	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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00076	08/09/22		Restek, Lot A0171634		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00076	08/09/22		Restek, Lot A0173454		(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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isobutyl alcohol	62500 ug/mL
							Isopropyl 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_00078	07/23/22	07/10/22	Methanol, Lot EB679	5 mL	MSV_CCV_ACR_00004	0.5 mL	Acrolein	12500 ug/mL
					MSV_V_Ketones_00074	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_00004	07/23/22	05/24/22	Methanol, Lot EB679	10 mL	MSV_VACR_STK_00026	9.17 mL	Acrolein	125000 ug/mL
...MSV_VACR_STK_00026	07/23/22	05/24/22	Methanol, Lot EB679	10 mL	MSV_ACROLEIN_00019	1.4626 g	Acrolein	136314 ug/mL
....MSV_ACROLEIN_00019	02/28/23	Chem Service, Lot 12926800			(Purchased Reagent)		Acrolein	0.932 g/g
..MSV_V_Ketones_00074	01/31/24	Restek, Lot A0174287			(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_00148	08/09/22	07/10/22	Methanol, Lot EB679	5 mL	MSV_V#2B_00277	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_00277	04/30/24	Restek, Lot A0184378			(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_00068	03/25/23	02/27/23	Methanol, Lot EB679	1 mL	MSV_CCV_VOC#1_00112	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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1

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	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
							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

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-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_00113	200 uL	Acrolein	2499.84 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_00182	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_00112	03/25/23	02/23/23	Methanol, Lot EB679	5 mL	MSV_MegaMIX#1_00113	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00109	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-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_00113	03/25/23		Restek, Lot A0184527		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00109	03/25/23		Restek, Lot A0186885		(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

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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		
							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_00113	03/25/23	02/23/23	Methanol, Lot EB679	5 mL	MSV_CCV_ACR_00009	0.5 mL	Acrolein	12499.2 ug/mL
					MSV_V_Ketones_00101	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_00009	04/10/23	02/09/23	Methanol, Lot EB679	10 mL	MSV_VACR_STK_00031	9.205 mL	Acrolein	124992 ug/mL
...MSV_VACR_STK_00031	04/10/23	02/09/23	Methanol, Lot EB679	10 mL	MSV_ACROLEIN_00024	1.4648 g	Acrolein	135787 ug/mL
....MSV_ACROLEIN_00024	11/30/23	Chem Service, Lot 13910600			(Purchased Reagent)		Acrolein	0.927 g/g
..MSV_V_Ketones_00101	01/31/25	Restek, Lot A0180742			(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_00182	03/25/23	02/23/23	Methanol, Lot EB679	5 mL	MSV_V#2B_00310	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_00310	04/30/24	Restek, Lot A0184378			(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_00070	04/10/23	03/20/23	Methanol, Lot EB679	1 mL	MSV_CCV_VOC#1_00116	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-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_00117	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_00116	04/18/23	03/19/23	Methanol, Lot EB679	5 mL	MSV_MegaMIX#1_00117	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

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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		
							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_00117	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
..MSV_MegaMIX#1_00117	04/18/23		Restek, Lot A0184527		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							Benzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Methylene Chloride	5000 ug/mL
							Styrene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00117	04/18/23		Restek, Lot A0186885		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
.MSV_CCV_VOC#3_00117	04/10/23	03/19/23	Methanol, Lot EB679	5 mL	MSV_V_Ketones_00111	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_00111	01/31/25		Restek, Lot A0180742		(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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_LL_#2_826_00053	08/09/22	07/11/22	Methanol, Lot EB679	1 mL	MSV_CCV_EE_00003	50 uL	Ethyl ether	50.0143 ug/mL
					MSV_V_PentaCL_00019	10 uL	Pentachloroethane	50 ug/mL
.MSV_CCV_EE_00003	11/20/22	05/20/22	Methanol, Lot EB679	100 mL	MSV_EE_MISCSK_00010	1.73 mL	Ethyl ether	1000.29 ug/mL
..MSV_EE_MISCSK_00010	11/20/22	05/20/22	Methanol, Lot EB679	10 mL	MSV_EE_Neat_00007	0.5782 g	Ethyl ether	57820 ug/mL
...MSV_EE_Neat_00007	12/31/25	Chem Service, Lot 12123300			(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_V_PentaCL_00019	08/09/22	Restek, Lot A0171341			(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_LL_#2_826_00077	03/29/23	03/20/23	Methanol, Lot EB679	1 mL	MSV_CCV_EE_00004	50 uL	Ethyl ether	49.9996 ug/mL
					MSV_V_PentaCL_00030	10 uL	Pentachloroethane	50 ug/mL
.MSV_CCV_EE_00004	05/17/23	11/17/22	Methanol, Lot EB679	50 mL	MSV_EE_MISCSK_00011	1.067 mL	Ethyl ether	999.992 ug/mL
..MSV_EE_MISCSK_00011	05/17/23	11/17/22	Methanol, Lot EB679	10 mL	MSV_EE_Neat_00008	0.4686 g	Ethyl ether	46860 ug/mL
...MSV_EE_Neat_00008	12/31/25	Chem Service, Lot 1326900			(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_V_PentaCL_00030	04/01/23	Restek, Lot A0184174			(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_LL_GAS826_00101	07/18/22	07/11/22	Methanol, Lot EB679	1 mL	MSV_CCV_GASES_00221	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_00221	07/18/22	Restek, Lot A0172364			(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_00141	03/27/23	03/20/23	Methanol, Lot EB679	1 mL	MSV_CCV_GASES_00421	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_00421	03/27/23	Restek, Lot A0184815			(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LL_GAS826_00142	04/03/23	03/27/23	Methanol, Lot EB679	1 mL	MSV_CCV_GASES_00427	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_00427	04/03/23		Restek, Lot A0184815		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LLcentISO_00005	04/27/23	10/27/22	Methanol, Lot EB679	50 mL	MSV_Cus826_IS_00505	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_00505	04/30/25		Restek, Lot A0184225		(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_00005	11/30/22	05/30/22	Methanol, Lot EB679	50 mL	MSV_8260_SS_00668	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_00451	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_00668	11/30/22		Restek, Lot A0183565		(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_00451	11/30/22		Restek, Lot A0179696		(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_00006	04/27/23	10/27/22	Methanol, Lot EB679	50 mL	MSV_8260_SS_00779	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_00505	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_00779	03/31/25		Restek, Lot A0183565		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	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		
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00505	04/30/25		Restek, Lot A0184225		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_QC_Gas826_00089	07/17/22	07/11/22	Methanol, Lot EB679	1 mL	MSV_QC_2K_GAS_00096	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00096	07/17/22		Restek, Lot A0172021		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00131	03/26/23	03/20/23	Methanol, Lot EB679	1 mL	MSV_QC_2K_GAS_00134	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00134	03/26/23		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_00132	04/02/23	03/27/23	Methanol, Lot EB679	1 mL	MSV_QC_2K_GAS_00137	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00137	04/02/23		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_00008							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
					MSV_VBFB_STK_00008	0.128 mL	BFB	49.8125 ug/mL
.MSV_VBFB_STK_00008	12/27/22	06/27/22	Methanol, Lot EB679	10 mL	MSV_4BFB_NEAT_00008	0.9729 g	BFB	97290 ug/mL
..MSV_4BFB_NEAT_00008	02/28/25		Chem Service, Lot 13233000		(Purchased Reagent)		BFB	1 g/g
MSV_V_BFB_00011							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
					MSV_VBFB_STK_00009	0.127 mL	BFB	50.1498 ug/mL
.MSV_VBFB_STK_00009	06/18/23	12/18/22	Methanol, Lot EB679	10 mL	MSV_4BFB_NEAT_00007	0.9872 g	BFB	98720 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSV_4BFB_NEAT_00007	02/28/25	Chem Service, Lot 13233000			(Purchased Reagent)		BFB	1 g/g
MSV_V_SMRV4_00054	03/29/23	03/20/23	Methanol, Lot EB679	1 mL	MSV_CCV_LKB_00005	400 uL	cis-1,4-Dichloro-2-butene	400.029 ug/mL
					MSV_V_SMFreon_00026	100 uL	Chlorodifluoromethane	200 ug/mL
.MSV_CCV_LKB_00005	06/19/23	02/08/23	Methanol, Lot EB679	50 mL	MSV_Vc14d_STK_00008	0.946 mL	cis-1,4-Dichloro-2-butene	1000.07 ug/mL
..MSV_Vc14d_STK_00008	06/19/23	02/08/23	Methanol, Lot EB679	10 mL	MSV_c14dcb_Nt_00004	0.5564 g	cis-1,4-Dichloro-2-butene	52858 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_00026	03/29/23	Restek, Lot A0172146			(Purchased Reagent)		Chlorodifluoromethane	2000 ug/mL

Reagent

MSV_4BFB_NEAT_00007

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CERTIFICATE OF ANALYSIS

4-Bromofluorobenzene

CATALOG NUMBER	N-10809-1G
LOT NUMBER	13233000
DATE CERTIFIED	05/12/22
EXPIRATION DATE	05/31/25
CAS NUMBER	460-00-4
MOLECULAR FORMULA	C6H4BrF
MOLECULAR WEIGHT	175.00
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
% PURITY (GC/FID)	99.5
GC/MS SPECTRA ID	MATCHES NIST LIBRARY

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

Certified By:

Mary Beth O'Donnell
CSM/TC

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

PJLA Testing

PJLA Reference Material Producer

COA Form
Revision 3 (3/2015)

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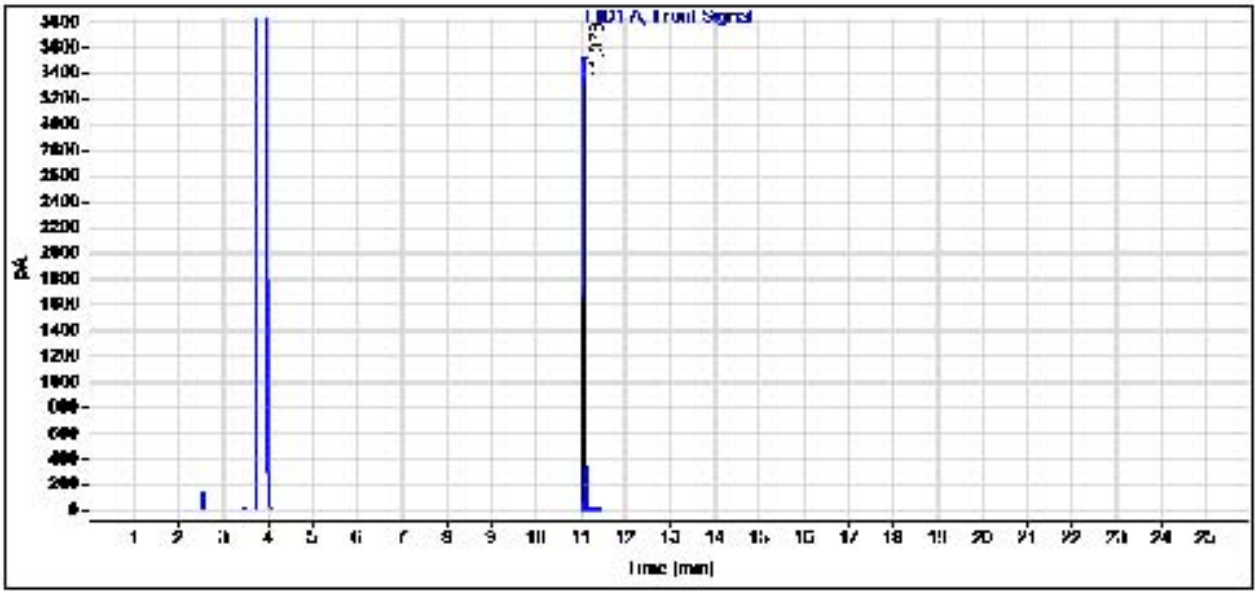
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2022 DATA\0522\FID010615.D

Sample name: N-10809

Instrument:	GC 1	**Sample type:**	Sample
Injection date:	5/12/2022 11:36:15 AM	**Location:**	Vial 43
Acq. method:	MIX1.M	**Injection volume:**	1.0uL
Column name:	DB-624 (30m x 0.53mm x 3.0um)		



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
11.078	BB	0.0355	7895.3311	3478.6162	100.0000
		Sum	7895.3311		

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

PJLA Testing

PJLA Reference Material Producer

Reagent

MSV_8260_SS_00779

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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Certificate #3222.01

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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. : 55671 **Lot No.:** A0183565

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 : March 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	Dibromofluoromethane **CAS #** 1868-53-7 (Lot 012021) **Purity** 99%	2,500.5 µg/mL	+/- 14.5381 µg/mL +/- 140.2006 µg/mL +/- 143.4811 µg/mL	Gravimetric Unstressed Stressed
2	1,2-Dichloroethane-d4 **CAS #** 17060-07-0 (Lot PR-32845) **Purity** 99%	2,500.5 µg/mL	+/- 14.5381 µg/mL +/- 140.2006 µg/mL +/- 143.4811 µg/mL	Gravimetric Unstressed Stressed
3	Toluene-d8 **CAS #** 2037-26-5 (Lot PR-31958) **Purity** 99%	2,500.5 µg/mL	+/- 14.5381 µg/mL +/- 140.2006 µg/mL +/- 143.4811 µg/mL	Gravimetric Unstressed Stressed
4	1-Bromo-4-fluorobenzene (BFB) **CAS #** 460-00-4 (Lot 20401KO) **Purity** 99%	2,502.0 µg/mL	+/- 14.5468 µg/mL +/- 140.2847 µg/mL +/- 143.5671 µg/mL	Gravimetric Unstressed Stressed

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

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

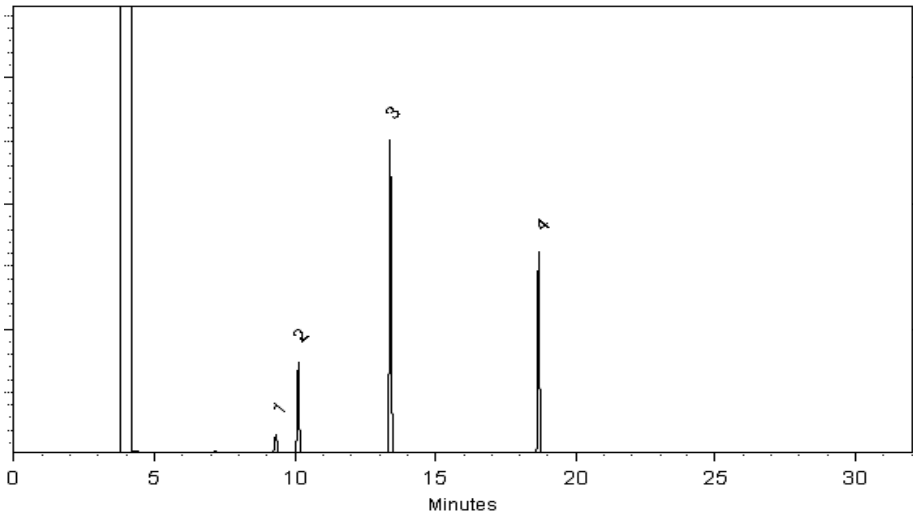
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Russ Bookhamer - Operations Technician I

Date Mixed: 31-Mar-2022 **Balance:** 1127510105

Fang-Yun Lo - QC Analyst

Date Passed: 04-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_AcetatesV_00035

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577489 **Lot No.:** A0184542

Description : Custom Acetates Standard

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

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

Expiration Date : October 31, 2023 **Storage:** -20°C or colder

Ship: On Ice

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	Acetonitrile	50,150.0 µg/mL	+/- 293.6393 µg/mL	Gravimetric
	CAS # 75-05-8 (Lot SHBH6233)		+/- 2,481.0559 µg/mL	Unstressed
	Purity 99%		+/- 2,542.7375 µg/mL	Stressed
2	Vinyl acetate	10,064.0 µg/mL	+/- 59.0612 µg/mL	Gravimetric
	CAS # 108-05-4 (Lot RD210830)		+/- 497.9092 µg/mL	Unstressed
	Purity 99%		+/- 510.2869 µg/mL	Stressed
3	Ethyl acetate	10,082.2 µg/mL	+/- 59.1682 µg/mL	Gravimetric
	CAS # 141-78-6 (Lot SHBN3179)		+/- 498.8116 µg/mL	Unstressed
	Purity 98%		+/- 511.2118 µg/mL	Stressed
4	Isopropyl acetate	10,082.0 µg/mL	+/- 59.1668 µg/mL	Gravimetric
	CAS # 108-21-4 (Lot BCBZ4645)		+/- 498.7997 µg/mL	Unstressed
	Purity 99%		+/- 511.1996 µg/mL	Stressed
5	Propyl acetate	10,062.0 µg/mL	+/- 59.0495 µg/mL	Gravimetric
	CAS # 109-60-4 (Lot TFFKL)		+/- 497.8102 µg/mL	Unstressed
	Purity 99%		+/- 510.1855 µg/mL	Stressed
6	Butyl acetate	10,070.0 µg/mL	+/- 59.0964 µg/mL	Gravimetric
	CAS # 123-86-4 (Lot SHBN3806)		+/- 498.2060 µg/mL	Unstressed
	Purity 99%		+/- 510.5911 µg/mL	Stressed

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

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

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

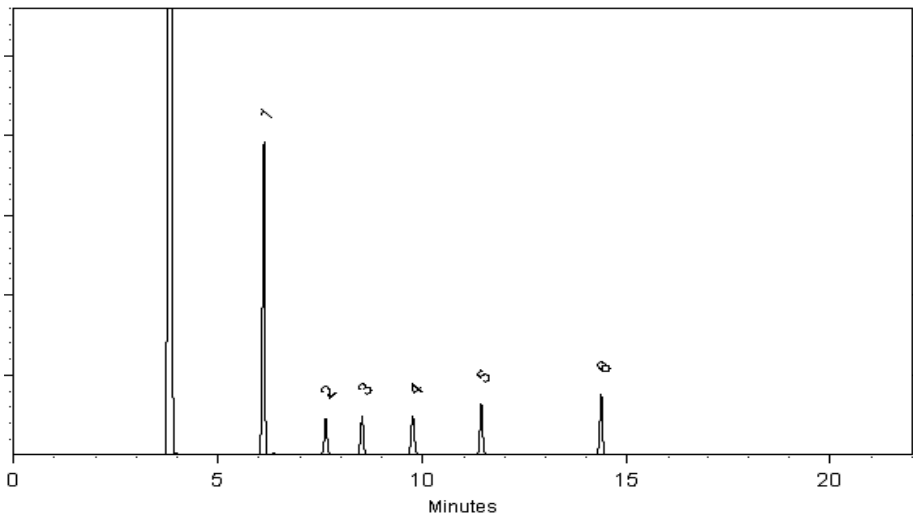
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Tom Suckar - Mix Technician

Date Mixed: 26-Apr-2022 **Balance:** B707717271

Fang-Yun Lo - QC Analyst

Date Passed: 05-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_ACROLEIN_00019

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CERTIFICATE OF ANALYSIS

Acrolein

CATALOG NUMBER	RPN-11030-1G
LOT NUMBER	12926800
DATE CERTIFIED	02/03/22
EXPIRATION DATE	02/28/23
CAS NUMBER	107-02-8
MOLECULAR FORMULA	C3H4O
MOLECULAR WEIGHT	56.06
STORAGE	Refrigerator storage (2 - 8 °C)
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.
NOTES	Contains water and hydroquinone as an inhibitor.

Analytical Test	Value
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
% PURITY (GC/TCD)	93.2
% WATER (KARL FISCHER)	2.2

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

PJLA Testing

PJLA Reference Material Producer

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

Certified By:

Mary Beth O'Donnell
CSM/TC

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CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2022 DATA\0222\SIG2022990.D

Sample name: Acrolein

Instrument: GC 1
Injection date: 2/3/2022 2:54:32 PM
Acq. method: GASBOMB_TCD.M
Column name: DB-624 (30m x 0.53mm x 3.0um)

Sample type: Sample
Location: Vial 1
Injection volume: 1.0uL

Signal: TCD2 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
2.600	BB	0.0362	14.5715	6.2387	4.5336
2.902	BB	0.0314	7.2404	3.5582	2.2527
4.046	BB	0.0349	299.5987	134.6697	93.2137
		Sum	321.4106		

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Reagent

MSV_c14dcb_Nt_00004

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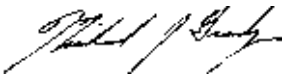
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

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

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

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



Michael Grady, Manager
Quality Control
Sheboygan Falls, WI US

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

Reagent

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Certificate of Analysis

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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.:** A0172364

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, 2024 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L., K=2)		
1	Dichlorodifluoromethane (CFC-12)		2,001.0	µg/mL	+/- 15.5104	µg/mL	Gravimetric
	CAS # 75-71-8	(Lot 00012554)			+/- 112.6642	µg/mL	Unstressed
	Purity 99%				+/- 115.2788	µg/mL	Stressed
2	Chloromethane (methyl chloride)		2,000.2	µg/mL	+/- 19.3792	µg/mL	Gravimetric
	CAS # 74-87-3	(Lot SHBK6571)			+/- 113.2161	µg/mL	Unstressed
	Purity 99%				+/- 115.8161	µg/mL	Stressed
3	Vinyl chloride		2,003.2	µg/mL	+/- 20.1104	µg/mL	Gravimetric
	CAS # 75-01-4	(Lot 00015559)			+/- 113.5093	µg/mL	Unstressed
	Purity 99%				+/- 116.1105	µg/mL	Stressed
4	1,3-Butadiene		1,999.6	µg/mL	+/- 14.5225	µg/mL	Gravimetric
	CAS # 106-99-0	(Lot 00019375)			+/- 112.4545	µg/mL	Unstressed
	Purity 99%				+/- 115.0702	µg/mL	Stressed
5	Bromomethane (methyl bromide)		2,002.8	µg/mL	+/- 14.8201	µg/mL	Gravimetric
	CAS # 74-83-9	(Lot 101604)			+/- 112.6669	µg/mL	Unstressed
	Purity 99%				+/- 115.2859	µg/mL	Stressed
6	Chloroethane (ethyl chloride)		2,001.0	µg/mL	+/- 14.9955	µg/mL	Gravimetric
	CAS # 75-00-3	(Lot 107-401039114-1)			+/- 112.5912	µg/mL	Unstressed
	Purity 99%				+/- 115.2073	µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)		2,000.0	µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 75-43-4	(Lot 11778600)			+/- 112.1380	µg/mL	Unstressed
	Purity 99%				+/- 114.7619	µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)		2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 75-69-4	(Lot MKCJ8658)			+/-	112.1380	µg/mL	Unstressed
	Purity 99%				+/-	114.7619	µg/mL	Stressed
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)		2,000.2	µg/mL	+/-	17.2773	µg/mL	Gravimetric
	CAS # 354-23-4	(Lot Q9B-64)			+/-	112.8726	µg/mL	Unstressed
	Purity 99%				+/-	115.4802	µg/mL	Stressed

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

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

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

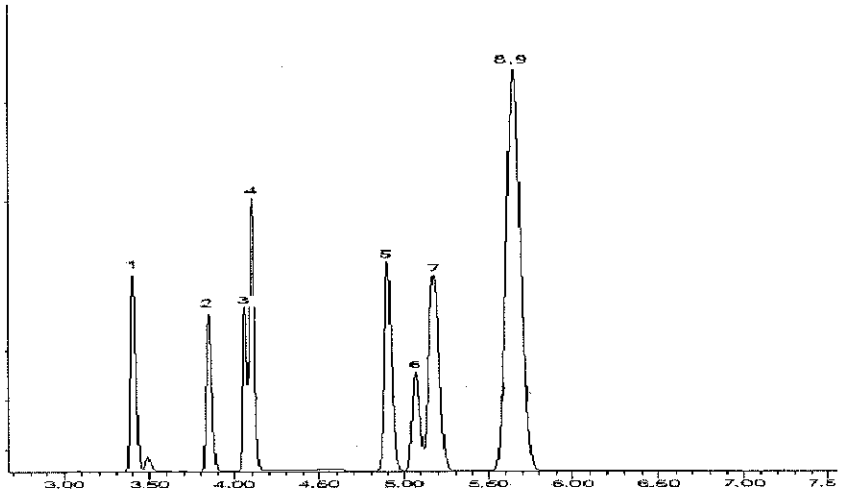
Carrier Gas:
helium-constant flow 2.0 mL/min.

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.

Tom Suckar - Mix Technician

Date Mixed: 13-May-2021 **Balance:** B251644995

Alexis Shelow - Operations Tech I

Date Passed: 17-May-2021

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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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. : 558267 **Lot No.:** A0179696

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 : December 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	2-Methyl-2-propanol-d10	12,510.0 µg/mL	+/- 73.4157 µg/mL	Gravimetric
	CAS # 53001-22-2 (Lot PR-29961)		+/- 268.0265 µg/mL	Unstressed
	Purity 99%		+/- 275.8078 µg/mL	Stressed
2	Fluorobenzene	2,502.0 µg/mL	+/- 14.8611 µg/mL	Gravimetric
	CAS # 462-06-6 (Lot BCBZ5549)		+/- 53.6543 µg/mL	Unstressed
	Purity 99%		+/- 55.2092 µg/mL	Stressed
3	Chlorobenzene-d5	2,512.0 µg/mL	+/- 14.9205 µg/mL	Gravimetric
	CAS # 3114-55-4 (Lot PR-29571)		+/- 53.8688 µg/mL	Unstressed
	Purity 99%		+/- 55.4299 µg/mL	Stressed
4	1,4-Dichlorobenzene-d4	2,512.0 µg/mL	+/- 14.9205 µg/mL	Gravimetric
	CAS # 3855-82-1 (Lot PR-30447)		+/- 53.8688 µg/mL	Unstressed
	Purity 99%		+/- 55.4299 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)

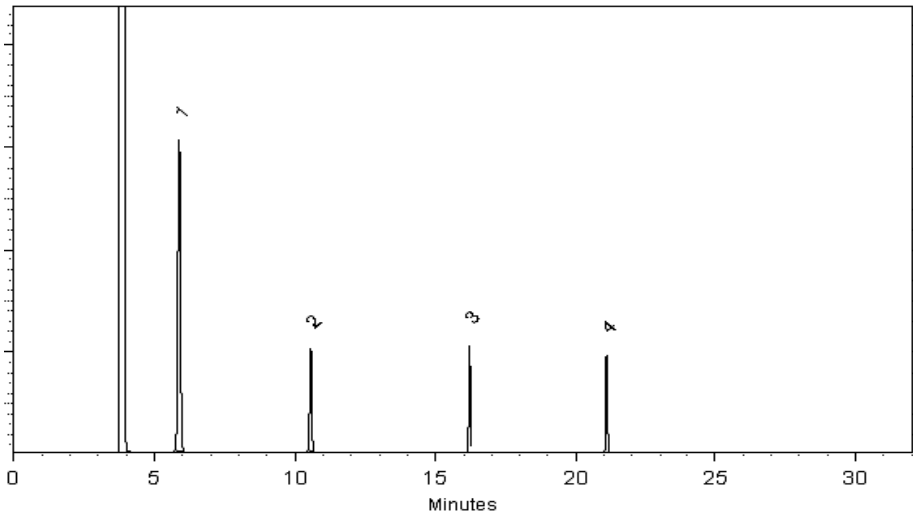
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Russ Bookhamer - Operations Technician I

Date Mixed: 17-Dec-2021 **Balance:** B442140311

Clara Windle - Operations Technician I

Date Passed: 28-Dec-2021

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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info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Cyclohexanone

CATALOG NUMBER	N-11531-1G
LOT NUMBER	13529800
DATE CERTIFIED	06/20/22
EXPIRATION DATE	06/30/27
CAS NUMBER	108-94-1
MOLECULAR FORMULA	C6H10O
MOLECULAR WEIGHT	98.16
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	99.5
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
PHYSICAL APPEARANCE	COLORLESS LIQUID
GC/MS SPECTRA ID	MATCHES NIST

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

PJLA Testing

PJLA Reference Material Producer

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info@chemservice.com • www.chemservice.com

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

Certified By:

Kristin R Jones

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

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CERTIFICATE OF ANALYSIS

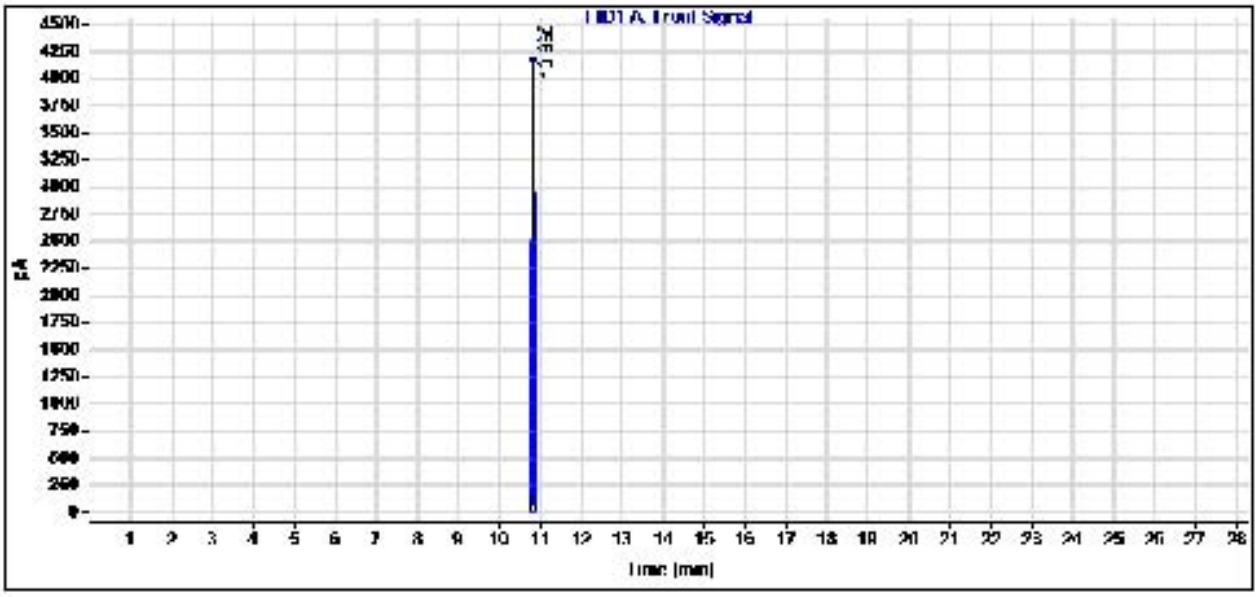
Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2022 DATA\0622\FID010695.D

Sample name: N-11531

Instrument: GC 1
Injection date: 6/17/2022 1:49:46 PM
Acq. method: SCREEN NEAT-FRANNY.M
Column name: DB-624 (30m x 0.53mm x 3.0um)

Sample type: Sample
Location: Vial 51
Injection volume: 1.0uL



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
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		Sum	9220.0693		

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PJLA Reference Material Producer

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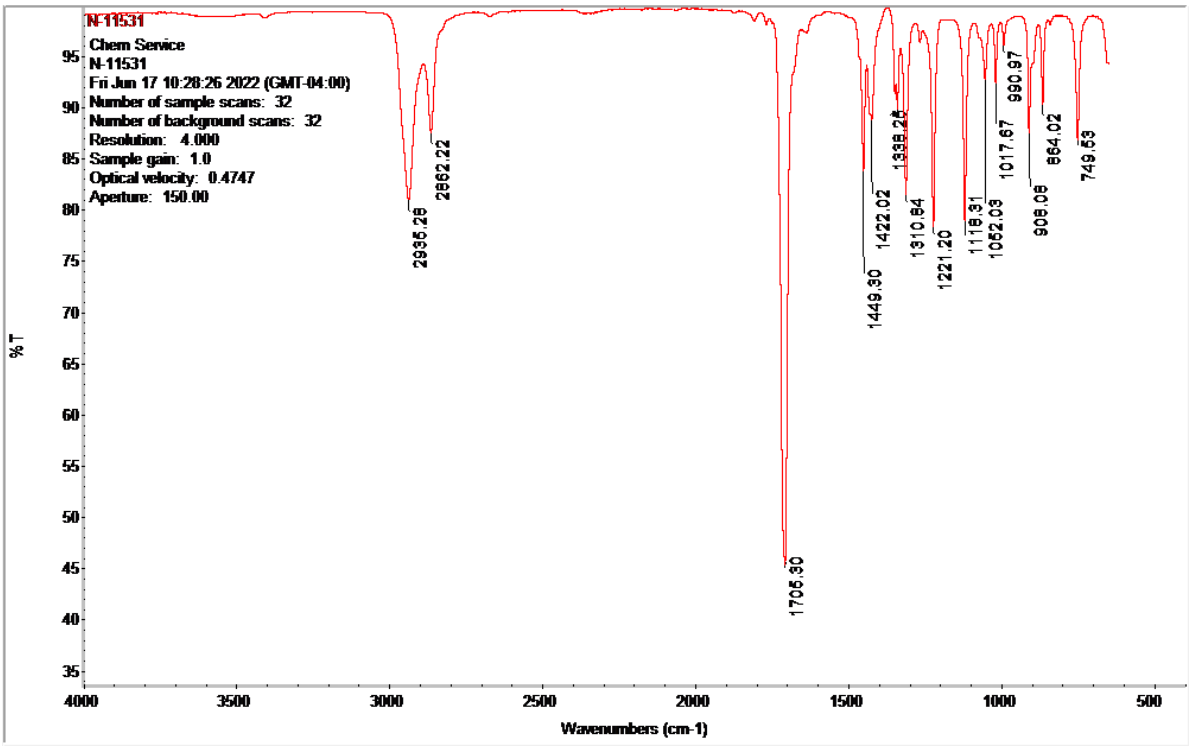
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number: N-11531-1G
Description: Cyclohexanone
Lot Number: 13529800
Expiration Date: 06/30/27



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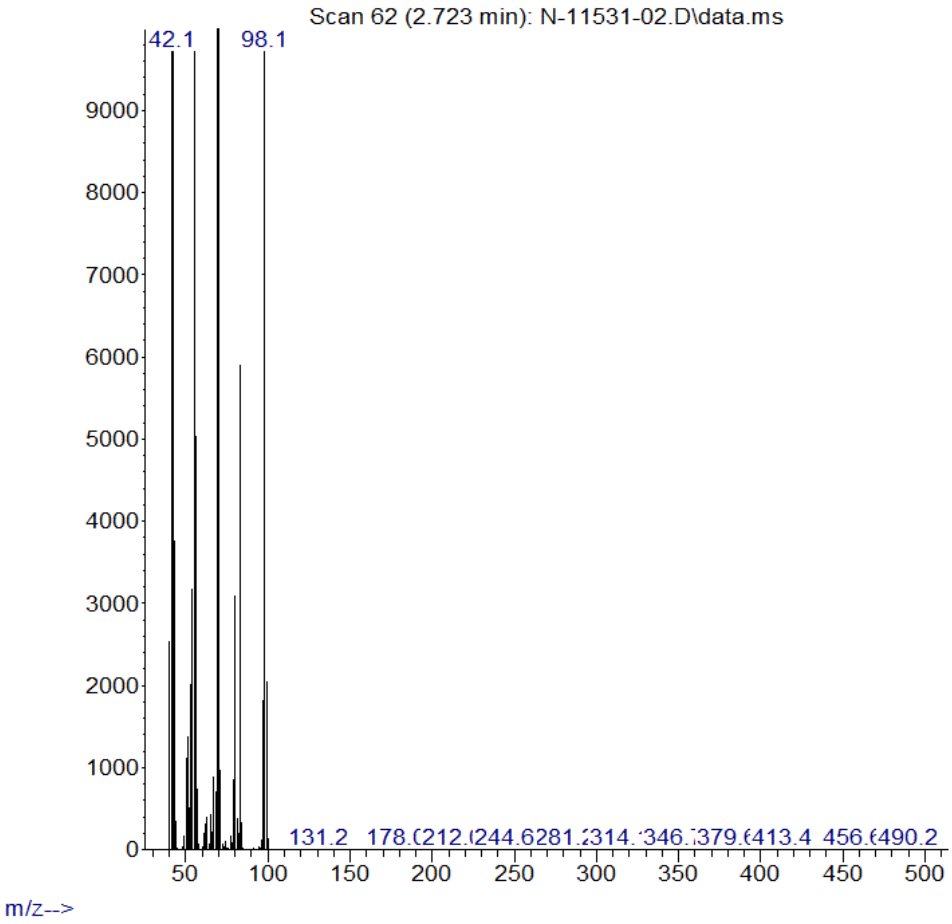
CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number: N-11531-1G
Description: Cyclohexanone
Lot Number: 13529800
Expiration Date: 06/30/27



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CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number: N-11531-1G
Description: Cyclohexanone
Lot Number: 13529800
Expiration Date: 06/30/27

ChemService Area Percent Report

```
 Data Path : D:\MassHunter\GCMS\1\data\2022\0622\
 Data File : N-11531-02.D
 Acq On    : 17 Jun 2022  12:40
 Operator  :
 Sample    : N-11531
 Misc      :
 ALS Vial  : 16   Sample Multiplier: 1

 Integration Parameters: autoint1.e
 Integrator: ChemStation

 Method    : D:\MassHunter\GCMS\1\methods\SCREEN NO SD.M
 Title     :

 Signal     : TIC: N-11531-02.D\data.ms
```

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.723	58	62	80	BV 2	106211218	1767870280	100.00%	100.000%

Sum of corrected areas: 1767870280

SCREEN NO SD.M Fri Jun 17 13:13:05 2022

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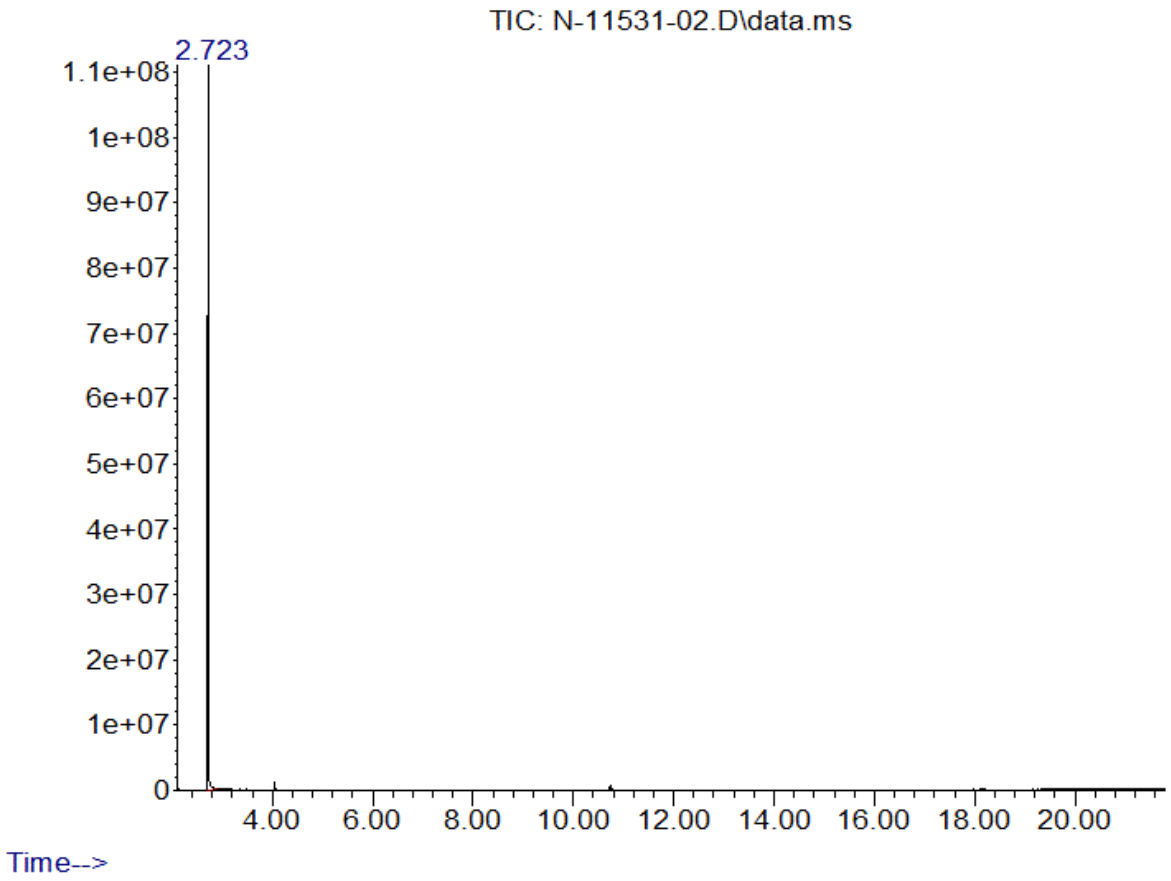
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number: N-11531-1G
Description: Cyclohexanone
Lot Number: 13529800
Expiration Date: 06/30/27



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

PJLA Testing

PJLA Reference Material Producer

Reagent

MSV_EE_Neat_00007

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CERTIFICATE OF ANALYSIS

Ethyl ether

CATALOG NUMBER	N-11897-1G
LOT NUMBER	12123300
DATE CERTIFIED	12/04/20
EXPIRATION DATE	12/31/25
CAS NUMBER	60-29-7
MOLECULAR FORMULA	C4H10O
MOLECULAR WEIGHT	74.12
STORAGE	Refrigerator storage (2 - 8 °C)
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/TCD)	99.5

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

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

COA Form
Revision 3 (3/2015)

PJLA Testing
Accreditation #63520

Print Date: 07/26/21

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CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2020 DATA\1220\SIG2022771.D

Sample name: Ethylether

Instrument: GC 1
Injection date: 12/4/2020 10:52:03 AM
Acq. method: TCD SCREEN.M
Column name: DB-624 (30m x 0.53mm x 3.0um)

Sample type: Sample
Location: Vial 21
Injection volume: 1.0uL

Signal: TCD2 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
1.206	BB	0.0364	16.2548	6.6698	0.0305
1.560	BB	0.0278	55.8996	29.9782	0.1049
1.892	BB	0.0328	64.6527	28.1084	0.1214
2.224	BB	0.0347	9.6188	4.3673	0.0181
2.545	BB S	0.0880	53125.6797	7942.5742	99.7251
		Sum	53272.1055		

PJLA Testing

Reagent

MSV_M_MIX1SEC_00076

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577493 **Lot No.:** A0171815

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 : April 30, 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	1,1-Dichloroethene **CAS #** 75-35-4.SEC (Lot 9201700) **Purity** 99%	1,003.8 µg/mL	+/- 7.1628 µg/mL +/- 56.4323 µg/mL +/- 57.7457 µg/mL	Gravimetric Unstressed Stressed
2	Methylene chloride (dichloromethane) **CAS #** 75-09-2.SEC (Lot FGM02) **Purity** 99%	1,001.8 µg/mL	+/- 7.1486 µg/mL +/- 56.3199 µg/mL +/- 57.6306 µg/mL	Gravimetric Unstressed Stressed
3	trans-1,2-Dichloroethene **CAS #** 156-60-5.SEC (Lot TS5UB) **Purity** 99%	1,000.3 µg/mL	+/- 7.1382 µg/mL +/- 56.2383 µg/mL +/- 57.5472 µg/mL	Gravimetric Unstressed Stressed
4	1,1-Dichloroethane **CAS #** 75-34-3.SEC (Lot 7482000) **Purity** 99%	1,002.0 µg/mL	+/- 7.1503 µg/mL +/- 56.3339 µg/mL +/- 57.6450 µg/mL	Gravimetric Unstressed Stressed
5	2,2-Dichloropropane **CAS #** 594-20-7.SEC (Lot I7E8E) **Purity** 98%	1,000.0 µg/mL	+/- 7.1026 µg/mL +/- 56.2188 µg/mL +/- 57.5274 µg/mL	Gravimetric Unstressed Stressed
6	cis-1,2-Dichloroethene **CAS #** 156-59-2.SEC (Lot YZO5O) **Purity** 99%	1,000.1 µg/mL	+/- 7.1028 µg/mL +/- 56.2207 µg/mL +/- 57.5294 µg/mL	Gravimetric Unstressed Stressed
7	Chloroform **CAS #** 67-66-3.SEC (Lot 1297547) **Purity** 99%	1,000.8 µg/mL	+/- 7.1414 µg/mL +/- 56.2636 µg/mL +/- 57.5731 µg/mL	Gravimetric Unstressed Stressed

8	Bromochloromethane		1,000.1	µg/mL	+/-	7.1033	µg/mL	Gravimetric
	CAS # 74-97-5.SEC	(Lot 8529200)			+/-	56.2242	µg/mL	Unstressed
	Purity 99%				+/-	57.5330	µg/mL	Stressed
9	1,1,1-trichloroethane		1,000.3	µg/mL	+/-	7.1383	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot 190123CG)			+/-	56.2391	µg/mL	Unstressed
	Purity 98%				+/-	57.5479	µg/mL	Stressed
10	1,1-Dichloropropene		1,002.5	µg/mL	+/-	7.1204	µg/mL	Gravimetric
	CAS # 563-58-6.SEC	(Lot 8541600)			+/-	56.3597	µg/mL	Unstressed
	Purity 95%				+/-	57.6716	µg/mL	Stressed
11	Carbon tetrachloride		1,000.8	µg/mL	+/-	7.1414	µg/mL	Gravimetric
	CAS # 56-23-5.SEC	(Lot 11466)			+/-	56.2636	µg/mL	Unstressed
	Purity 99%				+/-	57.5731	µg/mL	Stressed
12	1,2-Dichloroethane		1,000.6	µg/mL	+/-	7.1407	µg/mL	Gravimetric
	CAS # 107-06-2.SEC	(Lot 00016165)			+/-	56.2576	µg/mL	Unstressed
	Purity 99%				+/-	57.5669	µg/mL	Stressed
13	Benzene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 71-43-2.SEC	(Lot B28Y008)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
14	Trichloroethene		1,000.9	µg/mL	+/-	7.1423	µg/mL	Gravimetric
	CAS # 79-01-6.SEC	(Lot H04X050)			+/-	56.2708	µg/mL	Unstressed
	Purity 99%				+/-	57.5804	µg/mL	Stressed
15	1,2-Dichloropropane		1,000.1	µg/mL	+/-	7.1371	µg/mL	Gravimetric
	CAS # 78-87-5.SEC	(Lot ERRBI-RH)			+/-	56.2293	µg/mL	Unstressed
	Purity 99%				+/-	57.5380	µg/mL	Stressed
16	Bromodichloromethane		1,000.8	µg/mL	+/-	7.1418	µg/mL	Gravimetric
	CAS # 75-27-4.SEC	(Lot 13780)			+/-	56.2662	µg/mL	Unstressed
	Purity 99%				+/-	57.5757	µg/mL	Stressed
17	Dibromomethane		1,000.1	µg/mL	+/-	7.1033	µg/mL	Gravimetric
	CAS # 74-95-3.SEC	(Lot MOKKJ)			+/-	56.2242	µg/mL	Unstressed
	Purity 99%				+/-	57.5330	µg/mL	Stressed
18	cis-1,3-Dichloropropene		1,000.9	µg/mL	+/-	7.1425	µg/mL	Gravimetric
	CAS # 10061-01-5.SEC	(Lot 487OA)			+/-	56.2723	µg/mL	Unstressed
	Purity 98%				+/-	57.5819	µg/mL	Stressed
19	Toluene		1,000.0	µg/mL	+/-	7.1026	µg/mL	Gravimetric
	CAS # 108-88-3.SEC	(Lot YND2B-BD)			+/-	56.2193	µg/mL	Unstressed
	Purity 99%				+/-	57.5279	µg/mL	Stressed
20	trans-1,3-Dichloropropene		1,002.1	µg/mL	+/-	7.1513	µg/mL	Gravimetric
	CAS # 10061-02-6.SEC	(Lot ZDMSL)			+/-	56.3417	µg/mL	Unstressed
	Purity 96%				+/-	57.6530	µg/mL	Stressed
21	1,1,2-Trichloroethane		1,001.3	µg/mL	+/-	7.1450	µg/mL	Gravimetric
	CAS # 79-00-5.SEC	(Lot 7871500)			+/-	56.2917	µg/mL	Unstressed
	Purity 99%				+/-	57.6018	µg/mL	Stressed
22	1,3-Dichloropropane		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 142-28-9.SEC	(Lot AGN01-EFPC)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
23	Tetrachloroethene		1,000.2	µg/mL	+/-	7.1378	µg/mL	Gravimetric
	CAS # 127-18-4.SEC	(Lot F09W014)			+/-	56.2350	µg/mL	Unstressed
	Purity 99%				+/-	57.5437	µg/mL	Stressed

24	Dibromochloromethane		1,000.5	µg/mL	+/-	7.1396	µg/mL	Gravimetric
	CAS # 124-48-1.SEC	(Lot 10206360)			+/-	56.2489	µg/mL	Unstressed
	Purity 97%				+/-	57.5580	µg/mL	Stressed
25	1,2-Dibromoethane (EDB)		1,000.1	µg/mL	+/-	7.1032	µg/mL	Gravimetric
	CAS # 106-93-4.SEC	(Lot 7511900)			+/-	56.2235	µg/mL	Unstressed
	Purity 99%				+/-	57.5322	µg/mL	Stressed
26	Chlorobenzene		1,001.4	µg/mL	+/-	7.1460	µg/mL	Gravimetric
	CAS # 108-90-7.SEC	(Lot 1161936)			+/-	56.2995	µg/mL	Unstressed
	Purity 99%				+/-	57.6098	µg/mL	Stressed
27	1,1,1,2-Tetrachloroethane		1,000.1	µg/mL	+/-	7.1032	µg/mL	Gravimetric
	CAS # 630-20-6.SEC	(Lot GC01)			+/-	56.2235	µg/mL	Unstressed
	Purity 99%				+/-	57.5322	µg/mL	Stressed
28	Ethylbenzene		1,000.2	µg/mL	+/-	7.1035	µg/mL	Gravimetric
	CAS # 100-41-4.SEC	(Lot PI4SE)			+/-	56.2263	µg/mL	Unstressed
	Purity 99%				+/-	57.5351	µg/mL	Stressed
29	m-Xylene		1,000.2	µg/mL	+/-	7.1035	µg/mL	Gravimetric
	CAS # 108-38-3.SEC	(Lot 7ZV6F)			+/-	56.2263	µg/mL	Unstressed
	Purity 99%				+/-	57.5351	µg/mL	Stressed
30	p-Xylene		1,000.1	µg/mL	+/-	7.1027	µg/mL	Gravimetric
	CAS # 106-42-3.SEC	(Lot D6UOA)			+/-	56.2200	µg/mL	Unstressed
	Purity 99%				+/-	57.5286	µg/mL	Stressed
31	o-Xylene		1,000.1	µg/mL	+/-	7.1028	µg/mL	Gravimetric
	CAS # 95-47-6.SEC	(Lot FGL01)			+/-	56.2207	µg/mL	Unstressed
	Purity 99%				+/-	57.5294	µg/mL	Stressed
32	Styrene		1,000.1	µg/mL	+/-	7.1033	µg/mL	Gravimetric
	CAS # 100-42-5.SEC	(Lot OFIOL-IA)			+/-	56.2242	µg/mL	Unstressed
	Purity 99%				+/-	57.5330	µg/mL	Stressed
33	Isopropylbenzene (cumene)		1,000.0	µg/mL	+/-	7.1025	µg/mL	Gravimetric
	CAS # 98-82-8.SEC	(Lot JN4EC)			+/-	56.2179	µg/mL	Unstressed
	Purity 99%				+/-	57.5265	µg/mL	Stressed
34	Bromoform		1,001.7	µg/mL	+/-	7.1485	µg/mL	Gravimetric
	CAS # 75-25-2.SEC	(Lot 9170700)			+/-	56.3193	µg/mL	Unstressed
	Purity 99%				+/-	57.6300	µg/mL	Stressed
35	1,1,2,2-Tetrachloroethane		1,001.6	µg/mL	+/-	7.1478	µg/mL	Gravimetric
	CAS # 79-34-5.SEC	(Lot BCCB0724)			+/-	56.3139	µg/mL	Unstressed
	Purity 98%				+/-	57.6245	µg/mL	Stressed
36	1,2,3-Trichloropropane		1,000.0	µg/mL	+/-	7.1026	µg/mL	Gravimetric
	CAS # 96-18-4.SEC	(Lot GUHZN)			+/-	56.2193	µg/mL	Unstressed
	Purity 99%				+/-	57.5279	µg/mL	Stressed
37	n-Propylbenzene		1,000.1	µg/mL	+/-	7.1027	µg/mL	Gravimetric
	CAS # 103-65-1.SEC	(Lot T2HFC)			+/-	56.2200	µg/mL	Unstressed
	Purity 99%				+/-	57.5286	µg/mL	Stressed
38	Bromobenzene		1,000.2	µg/mL	+/-	7.1034	µg/mL	Gravimetric
	CAS # 108-86-1.SEC	(Lot 8DKWJ)			+/-	56.2256	µg/mL	Unstressed
	Purity 99%				+/-	57.5344	µg/mL	Stressed
39	1,3,5-Trimethylbenzene		1,000.1	µg/mL	+/-	7.1028	µg/mL	Gravimetric
	CAS # 108-67-8.SEC	(Lot TOOOF)			+/-	56.2207	µg/mL	Unstressed
	Purity 99%				+/-	57.5294	µg/mL	Stressed

40	2-Chlorotoluene		1,000.0	µg/mL	+/-	7.1025	µg/mL	Gravimetric
	CAS # 95-49-8.SEC	(Lot BRHPM)			+/-	56.2179	µg/mL	Unstressed
	Purity 99%				+/-	57.5265	µg/mL	Stressed
41	4-Chlorotoluene		1,000.1	µg/mL	+/-	7.1030	µg/mL	Gravimetric
	CAS # 106-43-4.SEC	(Lot S5SKD)			+/-	56.2221	µg/mL	Unstressed
	Purity 99%				+/-	57.5308	µg/mL	Stressed
42	tert-Butylbenzene		1,000.1	µg/mL	+/-	7.1029	µg/mL	Gravimetric
	CAS # 98-06-6.SEC	(Lot D6OHC)			+/-	56.2214	µg/mL	Unstressed
	Purity 99%				+/-	57.5301	µg/mL	Stressed
43	1,2,4-Trimethylbenzene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 95-63-6.SEC	(Lot JMIYD)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
44	sec-Butylbenzene		1,000.1	µg/mL	+/-	7.1029	µg/mL	Gravimetric
	CAS # 135-98-8.SEC	(Lot O4HRF)			+/-	56.2214	µg/mL	Unstressed
	Purity 99%				+/-	57.5301	µg/mL	Stressed
45	4-Isopropyltoluene (p-cymene)		1,000.1	µg/mL	+/-	7.1029	µg/mL	Gravimetric
	CAS # 99-87-6.SEC	(Lot 8380000)			+/-	56.2214	µg/mL	Unstressed
	Purity 99%				+/-	57.5301	µg/mL	Stressed
46	1,3-Dichlorobenzene		1,000.1	µg/mL	+/-	7.1365	µg/mL	Gravimetric
	CAS # 541-73-1.SEC	(Lot FMDFD)			+/-	56.2251	µg/mL	Unstressed
	Purity 99%				+/-	57.5337	µg/mL	Stressed
47	1,4-Dichlorobenzene		1,002.5	µg/mL	+/-	7.1538	µg/mL	Gravimetric
	CAS # 106-46-7.SEC	(Lot YWKDC-MK)			+/-	56.3612	µg/mL	Unstressed
	Purity 99%				+/-	57.6729	µg/mL	Stressed
48	n-Butylbenzene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 104-51-8.SEC	(Lot MMPGA)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
49	1,2-Dichlorobenzene		1,001.6	µg/mL	+/-	7.1475	µg/mL	Gravimetric
	CAS # 95-50-1.SEC	(Lot R6QDM)			+/-	56.3114	µg/mL	Unstressed
	Purity 99%				+/-	57.6220	µg/mL	Stressed
50	1,2-Dibromo-3-chloropropane		1,000.0	µg/mL	+/-	7.1025	µg/mL	Gravimetric
	CAS # 96-12-8.SEC	(Lot Q135-105)			+/-	56.2179	µg/mL	Unstressed
	Purity 99%				+/-	57.5265	µg/mL	Stressed
51	1,2,4-Trichlorobenzene		1,000.1	µg/mL	+/-	7.1027	µg/mL	Gravimetric
	CAS # 120-82-1.SEC	(Lot IGLFA)			+/-	56.2200	µg/mL	Unstressed
	Purity 99%				+/-	57.5286	µg/mL	Stressed
52	Hexachlorobutadiene		1,000.8	µg/mL	+/-	7.1079	µg/mL	Gravimetric
	CAS # 87-68-3.SEC	(Lot 8532700)			+/-	56.2614	µg/mL	Unstressed
	Purity 97%				+/-	57.5709	µg/mL	Stressed
53	Naphthalene		1,000.1	µg/mL	+/-	7.1031	µg/mL	Gravimetric
	CAS # 91-20-3.SEC	(Lot SKZ5N)			+/-	56.2228	µg/mL	Unstressed
	Purity 99%				+/-	57.5315	µg/mL	Stressed
54	1,2,3-Trichlorobenzene		1,000.7	µg/mL	+/-	7.1076	µg/mL	Gravimetric
	CAS # 87-61-6.SEC	(Lot A0043055)			+/-	56.2588	µg/mL	Unstressed
	Purity 98%				+/-	57.5683	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)

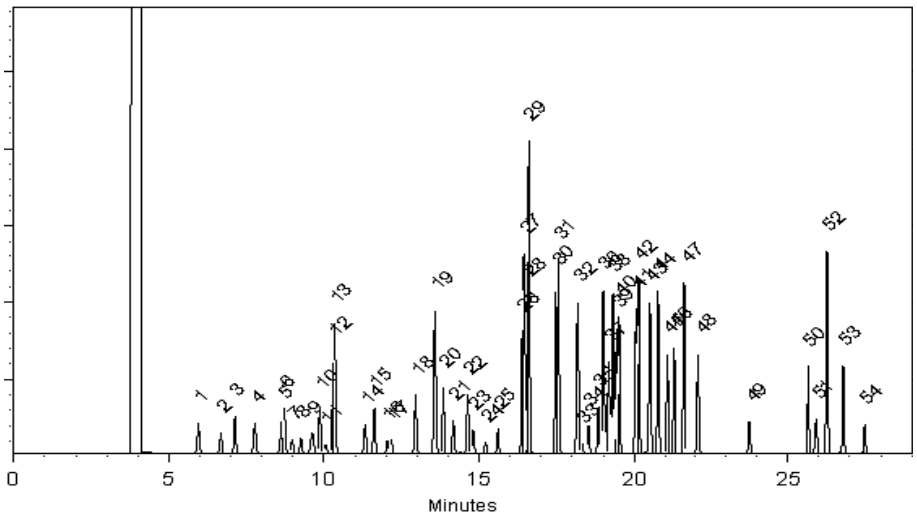
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Bradley Meyer - Mix Technician

Date Mixed: 28-Apr-2021 **Balance:** 1127510105

Alexis Shelow - Operations Tech I

Date Passed: 30-Apr-2021

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_MIX2SEC_00073

RESTEK®
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. : 577494 **Lot No.:** A0171837

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, 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	n-Pentane (C5)	1,002.0 µg/mL	+/- 5.8803 µg/mL	Gravimetric
	CAS # 109-66-0.SEC (Lot FGH02)		+/- 49.5732 µg/mL	Unstressed
	Purity 99%		+/- 50.8056 µg/mL	Stressed
2	2-Propanol (isopropanol)	7,501.5 µg/mL	+/- 43.9229 µg/mL	Gravimetric
	CAS # 67-63-0.SEC (Lot TFT5I)		+/- 371.1195 µg/mL	Unstressed
	Purity 99%		+/- 380.3459 µg/mL	Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	1,002.0 µg/mL	+/- 5.8803 µg/mL	Gravimetric
	CAS # 76-13-1.SEC (Lot 18342)		+/- 49.5732 µg/mL	Unstressed
	Purity 99%		+/- 50.8056 µg/mL	Stressed
4	tert-Butanol (TBA)	10,001.0 µg/mL	+/- 58.5581 µg/mL	Gravimetric
	CAS # 75-65-0.SEC (Lot 5REPK)		+/- 494.7765 µg/mL	Unstressed
	Purity 99%		+/- 507.0771 µg/mL	Stressed
5	Methyl acetate	1,002.5 µg/mL	+/- 5.8832 µg/mL	Gravimetric
	CAS # 79-20-9.SEC (Lot YDGVD)		+/- 49.5980 µg/mL	Unstressed
	Purity 99%		+/- 50.8309 µg/mL	Stressed
6	Iodomethane (methyl iodide)	1,001.5 µg/mL	+/- 5.8774 µg/mL	Gravimetric
	CAS # 74-88-4.SEC (Lot Y25A027)		+/- 49.5485 µg/mL	Unstressed
	Purity 99%		+/- 50.7802 µg/mL	Stressed
7	Allyl chloride (3-chloropropene)	1,002.0 µg/mL	+/- 5.8803 µg/mL	Gravimetric
	CAS # 107-05-1.SEC (Lot H3HGC)		+/- 49.5732 µg/mL	Unstressed
	Purity 99%		+/- 50.8056 µg/mL	Stressed

8	Carbon disulfide		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 75-15-0.SEC	(Lot MKBL1376V)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
9	Acrylonitrile		5,000.5	µg/mL	+/-	29.2790	µg/mL	Gravimetric
	CAS # 107-13-1.SEC	(Lot V54AD)			+/-	247.3882	µg/mL	Unstressed
	Purity 99%				+/-	253.5386	µg/mL	Stressed
10	Methyl-tert-butyl ether (MTBE)		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 1634-04-4.SEC	(Lot ZHKYA)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
11	n-Hexane (C6)		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 110-54-3.SEC	(Lot 10188491)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
12	Diisopropyl ether (DIPE)		1,003.0	µg/mL	+/-	5.8862	µg/mL	Gravimetric
	CAS # 108-20-3.SEC	(Lot LL7TN-SH)			+/-	49.6227	µg/mL	Unstressed
	Purity 99%				+/-	50.8563	µg/mL	Stressed
13	Chloroprene (2-chloro-1,3-butadiene)		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 126-99-8	(Lot 210413JLM)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
14	Ethyl-tert-butyl ether (ETBE)		1,002.1	µg/mL	+/-	5.8806	µg/mL	Gravimetric
	CAS # 637-92-3.SEC	(Lot UCI5B)			+/-	49.5757	µg/mL	Unstressed
	Purity 98%				+/-	50.8081	µg/mL	Stressed
15	Propionitrile		7,501.5	µg/mL	+/-	43.9229	µg/mL	Gravimetric
	CAS # 107-12-0.SEC	(Lot N44LF)			+/-	371.1195	µg/mL	Unstressed
	Purity 99%				+/-	380.3459	µg/mL	Stressed
16	Methacrylonitrile		7,501.5	µg/mL	+/-	43.9229	µg/mL	Gravimetric
	CAS # 126-98-7	(Lot 1012014)			+/-	371.1195	µg/mL	Unstressed
	Purity 99%				+/-	380.3459	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		25,001.0	µg/mL	+/-	146.3864	µg/mL	Gravimetric
	CAS # 78-83-1.SEC	(Lot YNG3K)			+/-	1,236.8670	µg/mL	Unstressed
	Purity 99%				+/-	1,267.6168	µg/mL	Stressed
18	Tetrahydrofuran		5,000.5	µg/mL	+/-	29.2790	µg/mL	Gravimetric
	CAS # 109-99-9.SEC	(Lot 3NYHE)			+/-	247.3882	µg/mL	Unstressed
	Purity 99%				+/-	253.5386	µg/mL	Stressed
19	Cyclohexane		1,000.0	µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 110-82-7.SEC	(Lot YADRA)			+/-	49.4743	µg/mL	Unstressed
	Purity 99%				+/-	50.7042	µg/mL	Stressed
20	1-Butanol		50,004.5	µg/mL	+/-	292.7722	µg/mL	Gravimetric
	CAS # 71-36-3.SEC	(Lot 6B6UL)			+/-	2,473.8558	µg/mL	Unstressed
	Purity 99%				+/-	2,535.3586	µg/mL	Stressed
21	tert-Amyl methyl ether (TAME)		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 994-05-8.SEC	(Lot 11010100)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
22	n-Heptane (C7)		1,002.5	µg/mL	+/-	5.8832	µg/mL	Gravimetric
	CAS # 142-82-5.SEC	(Lot TFHUC)			+/-	49.5980	µg/mL	Unstressed
	Purity 99%				+/-	50.8309	µg/mL	Stressed
23	tert-Amyl ethyl ether (TAEE)		1,000.5	µg/mL	+/-	5.8715	µg/mL	Gravimetric
	CAS # 919-94-8.SEC	(Lot 11370700)			+/-	49.4990	µg/mL	Unstressed
	Purity 99%				+/-	50.7295	µg/mL	Stressed

24	Methylcyclohexane		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 108-87-2.SEC	(Lot Q02QG)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
25	Methyl methacrylate		1,000.5	µg/mL	+/-	5.8715	µg/mL	Gravimetric
	CAS # 80-62-6.SEC	(Lot G01X021)			+/-	49.4990	µg/mL	Unstressed
	Purity 99%				+/-	50.7295	µg/mL	Stressed
26	1,4-Dioxane		25,004.0	µg/mL	+/-	146.4039	µg/mL	Gravimetric
	CAS # 123-91-1.SEC	(Lot KLE2K)			+/-	1,237.0154	µg/mL	Unstressed
	Purity 99%				+/-	1,267.7689	µg/mL	Stressed
27	2-Nitropropane		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 79-46-9.SEC	(Lot F43IA)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
28	Ethyl methacrylate		1,000.0	µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 97-63-2.SEC	(Lot MLWYK-LS)			+/-	49.4743	µg/mL	Unstressed
	Purity 99%				+/-	50.7042	µg/mL	Stressed
29	1-Chlorohexane		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 544-10-5.SEC	(Lot 8171700)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
30	trans-1,4-Dichloro-2-butene		5,000.4	µg/mL	+/-	29.2781	µg/mL	Gravimetric
	CAS # 110-57-6.SEC	(Lot 100700-3)			+/-	247.3808	µg/mL	Unstressed
	Purity 97%				+/-	253.5310	µg/mL	Stressed
31	1,2,3-Trimethylbenzene		1,001.1	µg/mL	+/-	5.8748	µg/mL	Gravimetric
	CAS # 526-73-8.SEC	(Lot 11386600)			+/-	49.5272	µg/mL	Unstressed
	Purity 98%				+/-	50.7584	µg/mL	Stressed
32	1,3-Diethylbenzene		1,003.5	µg/mL	+/-	5.8891	µg/mL	Gravimetric
	CAS # 141-93-5.SEC	(Lot 113566-1)			+/-	49.6474	µg/mL	Unstressed
	Purity 99%				+/-	50.8816	µg/mL	Stressed
33	Benzyl chloride		1,001.0	µg/mL	+/-	5.8744	µg/mL	Gravimetric
	CAS # 100-44-7.SEC	(Lot H29N03)			+/-	49.5238	µg/mL	Unstressed
	Purity 99%				+/-	50.7549	µg/mL	Stressed
34	1,4-Diethylbenzene		1,002.1	µg/mL	+/-	5.8806	µg/mL	Gravimetric
	CAS # 105-05-5.SEC	(Lot FBQ02)			+/-	49.5757	µg/mL	Unstressed
	Purity 98%				+/-	50.8081	µg/mL	Stressed
35	1,2-Diethylbenzene		1,000.5	µg/mL	+/-	5.8715	µg/mL	Gravimetric
	CAS # 135-01-3.SEC	(Lot BCBF3667V)			+/-	49.4990	µg/mL	Unstressed
	Purity 99%				+/-	50.7295	µg/mL	Stressed
36	1,3,5-Trichlorobenzene		1,001.5	µg/mL	+/-	5.8774	µg/mL	Gravimetric
	CAS # 108-70-3.SEC	(Lot I28U021)			+/-	49.5485	µg/mL	Unstressed
	Purity 99%				+/-	50.7802	µg/mL	Stressed
37	2-Methylnaphthalene		1,000.0	µg/mL	+/-	5.8686	µg/mL	Gravimetric
	CAS # 91-57-6.SEC	(Lot 76023-1)			+/-	49.4743	µg/mL	Unstressed
	Purity 99%				+/-	50.7042	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)

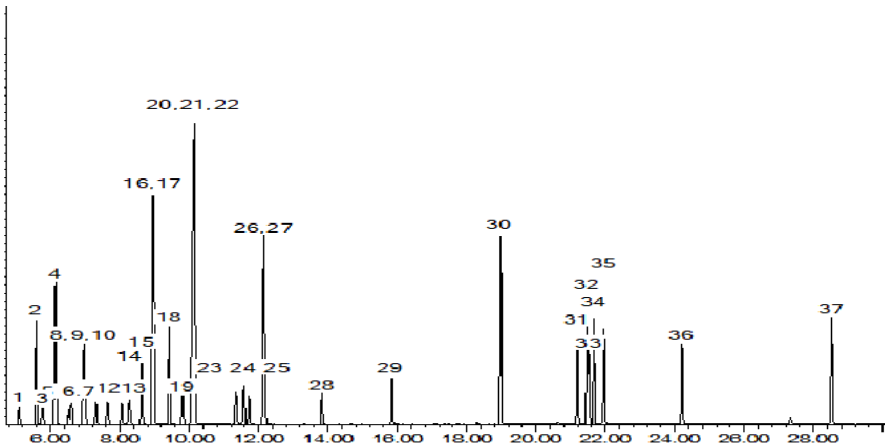
Carrier Gas:
helium-constant pressure 30 psi

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



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.

Date Mixed: 28-Apr-2021 **Balance:** 1128353505

Alexis Shelow - Operations Tech I

Date Passed: 04-May-2021

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_MegaMIX#1_00076

RESTEK®
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. : 577486 **Lot No.:** A0171634

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, 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	1,1-dichloroethene	5,000.3 µg/mL	+/- 31.7051 µg/mL	Gravimetric
	CAS # 75-35-4 (Lot SHBK2437)		+/- 280.6478 µg/mL	Unstressed
	Purity 99%		+/- 287.2014 µg/mL	Stressed
2	Methylene chloride (dichloromethane)	5,000.3 µg/mL	+/- 31.7051 µg/mL	Gravimetric
	CAS # 75-09-2 (Lot SHBL6169)		+/- 280.6478 µg/mL	Unstressed
	Purity 99%		+/- 287.2014 µg/mL	Stressed
3	trans-1,2-Dichloroethene	5,000.3 µg/mL	+/- 31.7051 µg/mL	Gravimetric
	CAS # 156-60-5 (Lot MKBH9850V)		+/- 280.6478 µg/mL	Unstressed
	Purity 99%		+/- 287.2014 µg/mL	Stressed
4	1,1-Dichloroethane	5,000.8 µg/mL	+/- 31.7079 µg/mL	Gravimetric
	CAS # 75-34-3 (Lot 580900)		+/- 280.6723 µg/mL	Unstressed
	Purity 99%		+/- 287.2265 µg/mL	Stressed
5	2,2-Dichloropropane	5,000.8 µg/mL	+/- 31.8970 µg/mL	Gravimetric
	CAS # 594-20-7 (Lot RD201111)		+/- 280.6965 µg/mL	Unstressed
	Purity 99%		+/- 287.2503 µg/mL	Stressed
6	cis-1,2-Dichloroethene	5,000.6 µg/mL	+/- 31.8957 µg/mL	Gravimetric
	CAS # 156-59-2 (Lot MKCK1803)		+/- 280.6853 µg/mL	Unstressed
	Purity 99%		+/- 287.2388 µg/mL	Stressed
7	chloroform	5,000.6 µg/mL	+/- 31.7067 µg/mL	Gravimetric
	CAS # 67-66-3 (Lot SHBL6923)		+/- 280.6618 µg/mL	Unstressed
	Purity 99%		+/- 287.2158 µg/mL	Stressed

8	Bromochloromethane		5,000.9	µg/mL	+/-	31.8976	µg/mL	Gravimetric
	CAS # 74-97-5	(Lot 00008541)			+/-	280.7022	µg/mL	Unstressed
	Purity 99%				+/-	287.2560	µg/mL	Stressed
9	1,1,1-trichloroethane		5,000.1	µg/mL	+/-	31.7041	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot 190123CG)			+/-	280.6383	µg/mL	Unstressed
	Purity 98%				+/-	287.1917	µg/mL	Stressed
10	1,1-Dichloropropene		5,000.9	µg/mL	+/-	31.8976	µg/mL	Gravimetric
	CAS # 563-58-6	(Lot 201106JLM)			+/-	280.7022	µg/mL	Unstressed
	Purity 99%				+/-	287.2560	µg/mL	Stressed
11	carbon tetrachloride		5,000.5	µg/mL	+/-	31.7063	µg/mL	Gravimetric
	CAS # 56-23-5	(Lot SHBJ2110)			+/-	280.6583	µg/mL	Unstressed
	Purity 99%				+/-	287.2122	µg/mL	Stressed
12	1,2-Dichloroethane		5,000.4	µg/mL	+/-	31.7059	µg/mL	Gravimetric
	CAS # 107-06-2	(Lot MKCM8716)			+/-	280.6548	µg/mL	Unstressed
	Purity 99%				+/-	287.2086	µg/mL	Stressed
13	Benzene		5,001.0	µg/mL	+/-	31.8982	µg/mL	Gravimetric
	CAS # 71-43-2	(Lot SHBM3620)			+/-	280.7078	µg/mL	Unstressed
	Purity 99%				+/-	287.2618	µg/mL	Stressed
14	Trichloroethene		5,000.8	µg/mL	+/-	31.7079	µg/mL	Gravimetric
	CAS # 79-01-6	(Lot SHBL5816)			+/-	280.6723	µg/mL	Unstressed
	Purity 99%				+/-	287.2265	µg/mL	Stressed
15	1,2-Dichloropropane		5,001.1	µg/mL	+/-	31.7099	µg/mL	Gravimetric
	CAS # 78-87-5	(Lot BCBR0882V)			+/-	280.6899	µg/mL	Unstressed
	Purity 99%				+/-	287.2445	µg/mL	Stressed
16	bromodichloromethane		5,000.2	µg/mL	+/-	31.7043	µg/mL	Gravimetric
	CAS # 75-27-4	(Lot MKCK3742)			+/-	280.6408	µg/mL	Unstressed
	Purity 99%				+/-	287.1942	µg/mL	Stressed
17	Dibromomethane		5,000.2	µg/mL	+/-	31.8931	µg/mL	Gravimetric
	CAS # 74-95-3	(Lot 10215970)			+/-	280.6629	µg/mL	Unstressed
	Purity 99%				+/-	287.2158	µg/mL	Stressed
18	cis-1,3-Dichloropropene		5,001.9	µg/mL	+/-	31.7154	µg/mL	Gravimetric
	CAS # 10061-01-5	(Lot D26147-1217)			+/-	280.7390	µg/mL	Unstressed
	Purity 99%				+/-	287.2947	µg/mL	Stressed
19	Toluene		5,001.3	µg/mL	+/-	31.9001	µg/mL	Gravimetric
	CAS # 108-88-3	(Lot SHBM6128)			+/-	280.7246	µg/mL	Unstressed
	Purity 99%				+/-	287.2790	µg/mL	Stressed
20	trans-1,3-Dichloropropene		5,000.5	µg/mL	+/-	31.7063	µg/mL	Gravimetric
	CAS # 10061-02-6	(Lot RP201030)			+/-	280.6583	µg/mL	Unstressed
	Purity 99%				+/-	287.2122	µg/mL	Stressed
21	1,1,2-Trichloroethane		5,000.9	µg/mL	+/-	31.7087	µg/mL	Gravimetric
	CAS # 79-00-5	(Lot FGB01)			+/-	280.6794	µg/mL	Unstressed
	Purity 99%				+/-	287.2337	µg/mL	Stressed
22	1,3-Dichloropropane		5,000.5	µg/mL	+/-	31.8950	µg/mL	Gravimetric
	CAS # 142-28-9	(Lot BCBC6265)			+/-	280.6797	µg/mL	Unstressed
	Purity 99%				+/-	287.2331	µg/mL	Stressed
23	Tetrachloroethene		5,000.8	µg/mL	+/-	31.7079	µg/mL	Gravimetric
	CAS # 127-18-4	(Lot SHBJ7422)			+/-	280.6723	µg/mL	Unstressed
	Purity 99%				+/-	287.2265	µg/mL	Stressed

24	dibromochloromethane		5,001.1	µg/mL	+/-	31.7099	µg/mL	Gravimetric
	CAS # 124-48-1	(Lot MKCK6472)			+/-	280.6899	µg/mL	Unstressed
	Purity 99%				+/-	287.2445	µg/mL	Stressed
25	1,2-Dibromoethane (EDB)		5,000.5	µg/mL	+/-	31.8950	µg/mL	Gravimetric
	CAS # 106-93-4	(Lot BCBP2268V)			+/-	280.6797	µg/mL	Unstressed
	Purity 99%				+/-	287.2331	µg/mL	Stressed
26	Chlorobenzene		5,000.2	µg/mL	+/-	31.7043	µg/mL	Gravimetric
	CAS # 108-90-7	(Lot SHBL8110)			+/-	280.6408	µg/mL	Unstressed
	Purity 99%				+/-	287.1942	µg/mL	Stressed
27	1,1,1,2-Tetrachloroethane		5,000.9	µg/mL	+/-	31.8976	µg/mL	Gravimetric
	CAS # 630-20-6	(Lot GC01)			+/-	280.7022	µg/mL	Unstressed
	Purity 99%				+/-	287.2560	µg/mL	Stressed
28	Ethylbenzene		5,000.8	µg/mL	+/-	31.8970	µg/mL	Gravimetric
	CAS # 100-41-4	(Lot SHBL9192)			+/-	280.6965	µg/mL	Unstressed
	Purity 99%				+/-	287.2503	µg/mL	Stressed
29	m-Xylene		5,001.8	µg/mL	+/-	31.9033	µg/mL	Gravimetric
	CAS # 108-38-3	(Lot SHBM4841)			+/-	280.7527	µg/mL	Unstressed
	Purity 99%				+/-	287.3077	µg/mL	Stressed
30	p-Xylene		5,000.5	µg/mL	+/-	31.8950	µg/mL	Gravimetric
	CAS # 106-42-3	(Lot SHBJ7329)			+/-	280.6797	µg/mL	Unstressed
	Purity 99%				+/-	287.2331	µg/mL	Stressed
31	o-Xylene		5,001.8	µg/mL	+/-	31.9035	µg/mL	Gravimetric
	CAS # 95-47-6	(Lot SHBL3963)			+/-	280.7539	µg/mL	Unstressed
	Purity 98%				+/-	287.3090	µg/mL	Stressed
32	Styrene		5,001.7	µg/mL	+/-	31.9027	µg/mL	Gravimetric
	CAS # 100-42-5	(Lot MKCM3200)			+/-	280.7471	µg/mL	Unstressed
	Purity 99%				+/-	287.3020	µg/mL	Stressed
33	Isopropylbenzene (cumene)		5,001.0	µg/mL	+/-	31.8982	µg/mL	Gravimetric
	CAS # 98-82-8	(Lot P15E008)			+/-	280.7078	µg/mL	Unstressed
	Purity 99%				+/-	287.2618	µg/mL	Stressed
34	bromoform		5,000.4	µg/mL	+/-	31.7055	µg/mL	Gravimetric
	CAS # 75-25-2	(Lot SHBJ4835)			+/-	280.6513	µg/mL	Unstressed
	Purity 99%				+/-	287.2050	µg/mL	Stressed
35	1,1,2,2-Tetrachloroethane		5,000.4	µg/mL	+/-	31.7059	µg/mL	Gravimetric
	CAS # 79-34-5	(Lot CFA4D)			+/-	280.6548	µg/mL	Unstressed
	Purity 99%				+/-	287.2086	µg/mL	Stressed
36	1,2,3-Trichloropropane		5,000.0	µg/mL	+/-	31.8918	µg/mL	Gravimetric
	CAS # 96-18-4	(Lot BCBH8722V)			+/-	280.6516	µg/mL	Unstressed
	Purity 99%				+/-	287.2044	µg/mL	Stressed
37	n-Propylbenzene		5,001.6	µg/mL	+/-	31.9021	µg/mL	Gravimetric
	CAS # 103-65-1	(Lot MKCM4174)			+/-	280.7414	µg/mL	Unstressed
	Purity 99%				+/-	287.2963	µg/mL	Stressed
38	Bromobenzene		5,001.1	µg/mL	+/-	31.8989	µg/mL	Gravimetric
	CAS # 108-86-1	(Lot WXBC5147V)			+/-	280.7134	µg/mL	Unstressed
	Purity 99%				+/-	287.2675	µg/mL	Stressed
39	1,3,5-Trimethylbenzene		5,001.6	µg/mL	+/-	31.9021	µg/mL	Gravimetric
	CAS # 108-67-8	(Lot BCCD0427)			+/-	280.7414	µg/mL	Unstressed
	Purity 99%				+/-	287.2963	µg/mL	Stressed

40	2-Chlorotoluene		5,000.2	µg/mL	+/-	31.8931	µg/mL	Gravimetric
	CAS # 95-49-8	(Lot MKCF5243)			+/-	280.6629	µg/mL	Unstressed
	Purity 99%				+/-	287.2158	µg/mL	Stressed
41	4-Chlorotoluene		5,000.1	µg/mL	+/-	31.8925	µg/mL	Gravimetric
	CAS # 106-43-4	(Lot MKCC8496)			+/-	280.6572	µg/mL	Unstressed
	Purity 99%				+/-	287.2101	µg/mL	Stressed
42	tert-Butylbenzene		5,001.3	µg/mL	+/-	31.9001	µg/mL	Gravimetric
	CAS # 98-06-6	(Lot STBJ1937)			+/-	280.7246	µg/mL	Unstressed
	Purity 99%				+/-	287.2790	µg/mL	Stressed
43	1,2,4-Trimethylbenzene		5,000.6	µg/mL	+/-	31.8960	µg/mL	Gravimetric
	CAS # 95-63-6	(Lot WXBC9428V)			+/-	280.6879	µg/mL	Unstressed
	Purity 98%				+/-	287.2415	µg/mL	Stressed
44	sec-Butylbenzene		5,000.2	µg/mL	+/-	31.8931	µg/mL	Gravimetric
	CAS # 135-98-8	(Lot MKCN2920)			+/-	280.6629	µg/mL	Unstressed
	Purity 99%				+/-	287.2158	µg/mL	Stressed
45	p-Isopropyltoluene (p-Cymene)		5,001.1	µg/mL	+/-	31.8989	µg/mL	Gravimetric
	CAS # 99-87-6	(Lot MKCN1411)			+/-	280.7134	µg/mL	Unstressed
	Purity 99%				+/-	287.2675	µg/mL	Stressed
46	1,3-Dichlorobenzene		5,000.5	µg/mL	+/-	31.7063	µg/mL	Gravimetric
	CAS # 541-73-1	(Lot BCBZ7498)			+/-	280.6583	µg/mL	Unstressed
	Purity 99%				+/-	287.2122	µg/mL	Stressed
47	1,4-Dichlorobenzene		5,000.8	µg/mL	+/-	31.7083	µg/mL	Gravimetric
	CAS # 106-46-7	(Lot MKBS4401V)			+/-	280.6759	µg/mL	Unstressed
	Purity 99%				+/-	287.2301	µg/mL	Stressed
48	n-Butylbenzene		5,001.6	µg/mL	+/-	31.9021	µg/mL	Gravimetric
	CAS # 104-51-8	(Lot 09804AE)			+/-	280.7414	µg/mL	Unstressed
	Purity 99%				+/-	287.2963	µg/mL	Stressed
49	1,2-Dichlorobenzene		5,000.1	µg/mL	+/-	31.7036	µg/mL	Gravimetric
	CAS # 95-50-1	(Lot SHBK7741)			+/-	280.6338	µg/mL	Unstressed
	Purity 99%				+/-	287.1871	µg/mL	Stressed
50	1,2-Dibromo-3-chloropropane		5,000.3	µg/mL	+/-	31.8935	µg/mL	Gravimetric
	CAS # 96-12-8	(Lot FBL01)			+/-	280.6658	µg/mL	Unstressed
	Purity 97%				+/-	287.2189	µg/mL	Stressed
51	1,2,4-Trichlorobenzene		5,000.8	µg/mL	+/-	31.8970	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBJ9215)			+/-	280.6965	µg/mL	Unstressed
	Purity 99%				+/-	287.2503	µg/mL	Stressed
52	Hexachlorobutadiene		5,001.3	µg/mL	+/-	31.9001	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot 664800)			+/-	280.7246	µg/mL	Unstressed
	Purity 99%				+/-	287.2790	µg/mL	Stressed
53	Naphthalene		5,000.8	µg/mL	+/-	31.8970	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKBZ8680V)			+/-	280.6965	µg/mL	Unstressed
	Purity 99%				+/-	287.2503	µg/mL	Stressed
54	1,2,3-Trichlorobenzene		5,000.4	µg/mL	+/-	31.8944	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)			+/-	280.6741	µg/mL	Unstressed
	Purity 99%				+/-	287.2273	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)

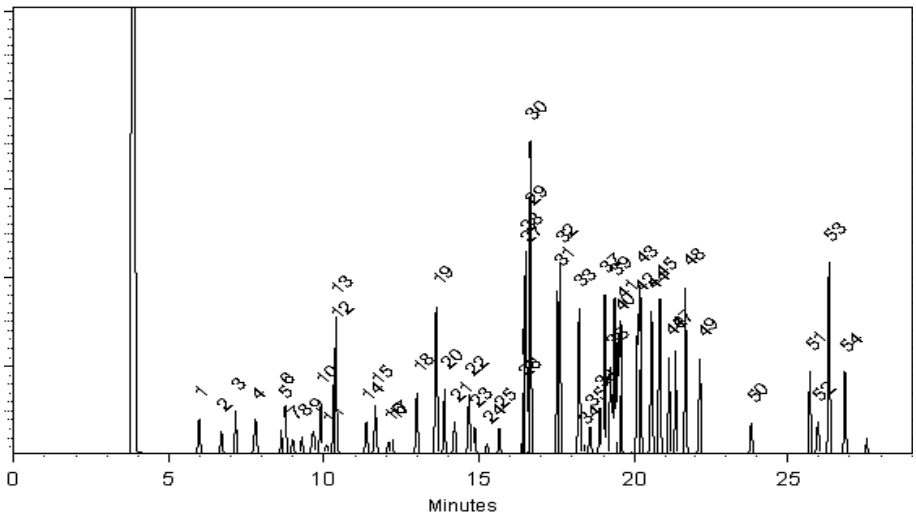
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Walker Workman - Operations Technician I

Date Mixed: 22-Apr-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 26-Apr-2021

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_MegaMIX#1_00117

RESTEK®
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. : 577486 **Lot No.:** A0184527

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, 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	1,1-dichloroethene	5,048.5 µg/mL	+/- 35.8563 µg/mL	Gravimetric
	CAS # 75-35-4 (Lot SHBK2437)		+/- 283.8125 µg/mL	Unstressed
	Purity 99%		+/- 290.4188 µg/mL	Stressed
2	Methylene chloride (dichloromethane)	5,038.2 µg/mL	+/- 35.7831 µg/mL	Gravimetric
	CAS # 75-09-2 (Lot 218028)		+/- 283.2328 µg/mL	Unstressed
	Purity 99%		+/- 289.8256 µg/mL	Stressed
3	trans-1,2-Dichloroethene	5,048.7 µg/mL	+/- 35.8576 µg/mL	Gravimetric
	CAS # 156-60-5 (Lot MKBH9850V)		+/- 283.8231 µg/mL	Unstressed
	Purity 99%		+/- 290.4296 µg/mL	Stressed
4	1,1-Dichloroethane	5,046.4 µg/mL	+/- 35.8412 µg/mL	Gravimetric
	CAS # 75-34-3 (Lot 580900)		+/- 283.6931 µg/mL	Unstressed
	Purity 99%		+/- 290.2966 µg/mL	Stressed
5	2,2-Dichloropropane	5,049.3 µg/mL	+/- 36.0322 µg/mL	Gravimetric
	CAS # 594-20-7 (Lot RD220222)		+/- 283.8791 µg/mL	Unstressed
	Purity 99%		+/- 290.4859 µg/mL	Stressed
6	cis-1,2-Dichloroethene	5,049.4 µg/mL	+/- 36.0329 µg/mL	Gravimetric
	CAS # 156-59-2 (Lot MKCP7830)		+/- 283.8847 µg/mL	Unstressed
	Purity 99%		+/- 290.4917 µg/mL	Stressed
7	chloroform	5,045.8 µg/mL	+/- 35.8368 µg/mL	Gravimetric
	CAS # 67-66-3 (Lot SHBN8469)		+/- 283.6579 µg/mL	Unstressed
	Purity 99%		+/- 290.2606 µg/mL	Stressed

8	Bromochloromethane		5,049.4	µg/mL	+/-	36.0329	µg/mL	Gravimetric
	CAS # 74-97-5	(Lot 00008541)			+/-	283.8847	µg/mL	Unstressed
	Purity 99%				+/-	290.4917	µg/mL	Stressed
9	1,1,1-trichloroethane		5,044.1	µg/mL	+/-	35.8248	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot RD220215)			+/-	283.5631	µg/mL	Unstressed
	Purity 99%				+/-	290.1636	µg/mL	Stressed
10	1,1-Dichloropropene		5,042.1	µg/mL	+/-	35.9808	µg/mL	Gravimetric
	CAS # 563-58-6	(Lot 220217JLM)			+/-	283.4743	µg/mL	Unstressed
	Purity 99%				+/-	290.0717	µg/mL	Stressed
11	carbon tetrachloride		5,046.6	µg/mL	+/-	35.8430	µg/mL	Gravimetric
	CAS # 56-23-5	(Lot SHBL8097)			+/-	283.7071	µg/mL	Unstressed
	Purity 99%				+/-	290.3110	µg/mL	Stressed
12	1,2-Dichloroethane		5,046.8	µg/mL	+/-	35.8439	µg/mL	Gravimetric
	CAS # 107-06-2	(Lot MKCN9758)			+/-	283.7142	µg/mL	Unstressed
	Purity 99%				+/-	290.3182	µg/mL	Stressed
13	Benzene		5,048.9	µg/mL	+/-	36.0293	µg/mL	Gravimetric
	CAS # 71-43-2	(Lot MKCM9242)			+/-	283.8566	µg/mL	Unstressed
	Purity 99%				+/-	290.4629	µg/mL	Stressed
14	Trichloroethene		5,049.6	µg/mL	+/-	35.8643	µg/mL	Gravimetric
	CAS # 79-01-6	(Lot SHBL5816)			+/-	283.8758	µg/mL	Unstressed
	Purity 99%				+/-	290.4835	µg/mL	Stressed
15	1,2-Dichloropropane		5,045.3	µg/mL	+/-	35.8337	µg/mL	Gravimetric
	CAS # 78-87-5	(Lot BCBR0882V)			+/-	283.6333	µg/mL	Unstressed
	Purity 99%				+/-	290.2355	µg/mL	Stressed
16	bromodichloromethane		5,047.1	µg/mL	+/-	35.8461	µg/mL	Gravimetric
	CAS # 75-27-4	(Lot MKCM7156)			+/-	283.7317	µg/mL	Unstressed
	Purity 99%				+/-	290.3361	µg/mL	Stressed
17	Dibromomethane		5,049.9	µg/mL	+/-	36.0365	µg/mL	Gravimetric
	CAS # 74-95-3	(Lot 10215970)			+/-	283.9128	µg/mL	Unstressed
	Purity 99%				+/-	290.5204	µg/mL	Stressed
18	cis-1,3-Dichloropropene		5,044.3	µg/mL	+/-	35.8261	µg/mL	Gravimetric
	CAS # 10061-01-5	(Lot RD211111)			+/-	283.5736	µg/mL	Unstressed
	Purity 99%				+/-	290.1743	µg/mL	Stressed
19	Toluene		5,048.6	µg/mL	+/-	36.0272	µg/mL	Gravimetric
	CAS # 108-88-3	(Lot MKCQ2779)			+/-	283.8397	µg/mL	Unstressed
	Purity 99%				+/-	290.4456	µg/mL	Stressed
20	trans-1,3-Dichloropropene		5,049.6	µg/mL	+/-	35.8639	µg/mL	Gravimetric
	CAS # 10061-02-6	(Lot RD220207A)			+/-	283.8728	µg/mL	Unstressed
	Purity 98%				+/-	290.4805	µg/mL	Stressed
21	1,1,2-Trichloroethane		5,048.6	µg/mL	+/-	35.8567	µg/mL	Gravimetric
	CAS # 79-00-5	(Lot FGB01)			+/-	283.8160	µg/mL	Unstressed
	Purity 99%				+/-	290.4224	µg/mL	Stressed
22	1,3-Dichloropropane		5,049.7	µg/mL	+/-	36.0350	µg/mL	Gravimetric
	CAS # 142-28-9	(Lot BCCB9817)			+/-	283.9016	µg/mL	Unstressed
	Purity 99%				+/-	290.5089	µg/mL	Stressed
23	Tetrachloroethene		5,049.5	µg/mL	+/-	35.8634	µg/mL	Gravimetric
	CAS # 127-18-4	(Lot SHBJ7422)			+/-	283.8688	µg/mL	Unstressed
	Purity 99%				+/-	290.4763	µg/mL	Stressed

24	dibromochloromethane		5,048.9	µg/mL	+/-	35.8590	µg/mL	Gravimetric
	CAS # 124-48-1	(Lot MKCM8659)			+/-	283.8336	µg/mL	Unstressed
	Purity 99%				+/-	290.4404	µg/mL	Stressed
25	1,2-Dibromoethane (EDB)		5,048.0	µg/mL	+/-	36.0229	µg/mL	Gravimetric
	CAS # 106-93-4	(Lot BCBP2268V)			+/-	283.8060	µg/mL	Unstressed
	Purity 99%				+/-	290.4111	µg/mL	Stressed
26	Chlorobenzene		5,047.7	µg/mL	+/-	35.8505	µg/mL	Gravimetric
	CAS # 108-90-7	(Lot SHBL8110)			+/-	283.7669	µg/mL	Unstressed
	Purity 99%				+/-	290.3721	µg/mL	Stressed
27	1,1,1,2-Tetrachloroethane		5,049.1	µg/mL	+/-	36.0308	µg/mL	Gravimetric
	CAS # 630-20-6	(Lot GC01)			+/-	283.8678	µg/mL	Unstressed
	Purity 99%				+/-	290.4744	µg/mL	Stressed
28	Ethylbenzene		5,049.7	µg/mL	+/-	36.0350	µg/mL	Gravimetric
	CAS # 100-41-4	(Lot SHBM4308)			+/-	283.9016	µg/mL	Unstressed
	Purity 99%				+/-	290.5089	µg/mL	Stressed
29	m-Xylene		5,048.2	µg/mL	+/-	36.0243	µg/mL	Gravimetric
	CAS # 108-38-3	(Lot SHBM4841)			+/-	283.8172	µg/mL	Unstressed
	Purity 99%				+/-	290.4226	µg/mL	Stressed
30	p-Xylene		5,046.5	µg/mL	+/-	36.0122	µg/mL	Gravimetric
	CAS # 106-42-3	(Lot 10234437)			+/-	283.7216	µg/mL	Unstressed
	Purity 99%				+/-	290.3248	µg/mL	Stressed
31	o-Xylene		5,049.3	µg/mL	+/-	36.0322	µg/mL	Gravimetric
	CAS # 95-47-6	(Lot SHBM0472)			+/-	283.8791	µg/mL	Unstressed
	Purity 99%				+/-	290.4859	µg/mL	Stressed
32	Styrene		5,049.0	µg/mL	+/-	36.0301	µg/mL	Gravimetric
	CAS # 100-42-5	(Lot MKCP3941)			+/-	283.8622	µg/mL	Unstressed
	Purity 99%				+/-	290.4686	µg/mL	Stressed
33	Isopropylbenzene (cumene)		5,046.5	µg/mL	+/-	36.0122	µg/mL	Gravimetric
	CAS # 98-82-8	(Lot Z20D022)			+/-	283.7216	µg/mL	Unstressed
	Purity 99%				+/-	290.3248	µg/mL	Stressed
34	bromoform		5,045.7	µg/mL	+/-	35.8365	µg/mL	Gravimetric
	CAS # 75-25-2	(Lot SHBK4455)			+/-	283.6559	µg/mL	Unstressed
	Purity 98%				+/-	290.2585	µg/mL	Stressed
35	1,1,2,2-Tetrachloroethane		5,045.8	µg/mL	+/-	35.8368	µg/mL	Gravimetric
	CAS # 79-34-5	(Lot CFA4D)			+/-	283.6579	µg/mL	Unstressed
	Purity 99%				+/-	290.2606	µg/mL	Stressed
36	1,2,3-Trichloropropane		5,049.4	µg/mL	+/-	36.0329	µg/mL	Gravimetric
	CAS # 96-18-4	(Lot 332900)			+/-	283.8847	µg/mL	Unstressed
	Purity 99%				+/-	290.4917	µg/mL	Stressed
37	n-Propylbenzene		5,044.7	µg/mL	+/-	35.9994	µg/mL	Gravimetric
	CAS # 103-65-1	(Lot MKCM4174)			+/-	283.6204	µg/mL	Unstressed
	Purity 99%				+/-	290.2213	µg/mL	Stressed
38	Bromobenzene		5,047.8	µg/mL	+/-	36.0215	µg/mL	Gravimetric
	CAS # 108-86-1	(Lot WXBC5147V)			+/-	283.7947	µg/mL	Unstressed
	Purity 99%				+/-	290.3996	µg/mL	Stressed
39	1,3,5-Trimethylbenzene		5,046.6	µg/mL	+/-	36.0129	µg/mL	Gravimetric
	CAS # 108-67-8	(Lot BCCD0427)			+/-	283.7273	µg/mL	Unstressed
	Purity 99%				+/-	290.3306	µg/mL	Stressed

40	2-Chlorotoluene		5,049.7	µg/mL	+/-	36.0350	µg/mL	Gravimetric
	CAS # 95-49-8	(Lot MKCF5243)			+/-	283.9016	µg/mL	Unstressed
	Purity 99%				+/-	290.5089	µg/mL	Stressed
41	4-Chlorotoluene		5,047.7	µg/mL	+/-	36.0208	µg/mL	Gravimetric
	CAS # 106-43-4	(Lot MKCC8496)			+/-	283.7891	µg/mL	Unstressed
	Purity 99%				+/-	290.3939	µg/mL	Stressed
42	tert-Butylbenzene		5,048.3	µg/mL	+/-	36.0251	µg/mL	Gravimetric
	CAS # 98-06-6	(Lot STBJ1937)			+/-	283.8228	µg/mL	Unstressed
	Purity 99%				+/-	290.4284	µg/mL	Stressed
43	1,2,4-Trimethylbenzene		5,048.0	µg/mL	+/-	36.0228	µg/mL	Gravimetric
	CAS # 95-63-6	(Lot WXBC9428V)			+/-	283.8049	µg/mL	Unstressed
	Purity 98%				+/-	290.4100	µg/mL	Stressed
44	sec-Butylbenzene		5,045.8	µg/mL	+/-	36.0072	µg/mL	Gravimetric
	CAS # 135-98-8	(Lot MKCN2920)			+/-	283.6823	µg/mL	Unstressed
	Purity 99%				+/-	290.2846	µg/mL	Stressed
45	p-Isopropyltoluene (p-Cymene)		5,048.3	µg/mL	+/-	36.0251	µg/mL	Gravimetric
	CAS # 99-87-6	(Lot MKCP6638)			+/-	283.8228	µg/mL	Unstressed
	Purity 99%				+/-	290.4284	µg/mL	Stressed
46	1,3-Dichlorobenzene		5,045.8	µg/mL	+/-	35.8368	µg/mL	Gravimetric
	CAS # 541-73-1	(Lot BCBZ7498)			+/-	283.6579	µg/mL	Unstressed
	Purity 99%				+/-	290.2606	µg/mL	Stressed
47	1,4-Dichlorobenzene		5,018.0	µg/mL	+/-	35.6397	µg/mL	Gravimetric
	CAS # 106-46-7	(Lot MKBS4401V)			+/-	282.0979	µg/mL	Unstressed
	Purity 99%				+/-	288.6643	µg/mL	Stressed
48	n-Butylbenzene		5,045.6	µg/mL	+/-	36.0058	µg/mL	Gravimetric
	CAS # 104-51-8	(Lot 09418JJ)			+/-	283.6710	µg/mL	Unstressed
	Purity 99%				+/-	290.2730	µg/mL	Stressed
49	1,2-Dichlorobenzene		5,045.0	µg/mL	+/-	35.8314	µg/mL	Gravimetric
	CAS # 95-50-1	(Lot SHBN3835)			+/-	283.6158	µg/mL	Unstressed
	Purity 99%				+/-	290.2175	µg/mL	Stressed
50	1,2-Dibromo-3-chloropropane		5,046.4	µg/mL	+/-	36.0117	µg/mL	Gravimetric
	CAS # 96-12-8	(Lot HBMVB)			+/-	283.7174	µg/mL	Unstressed
	Purity 97%				+/-	290.3205	µg/mL	Stressed
51	1,2,4-Trichlorobenzene		5,049.9	µg/mL	+/-	36.0365	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBM0526)			+/-	283.9128	µg/mL	Unstressed
	Purity 99%				+/-	290.5204	µg/mL	Stressed
52	Hexachlorobutadiene		5,043.1	µg/mL	+/-	35.9880	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot X05J)			+/-	283.5305	µg/mL	Unstressed
	Purity 99%				+/-	290.1292	µg/mL	Stressed
53	Naphthalene		5,047.6	µg/mL	+/-	36.0201	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKCH0219)			+/-	283.7835	µg/mL	Unstressed
	Purity 99%				+/-	290.3881	µg/mL	Stressed
54	1,2,3-Trichlorobenzene		5,047.7	µg/mL	+/-	36.0208	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)			+/-	283.7891	µg/mL	Unstressed
	Purity 99%				+/-	290.3939	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)

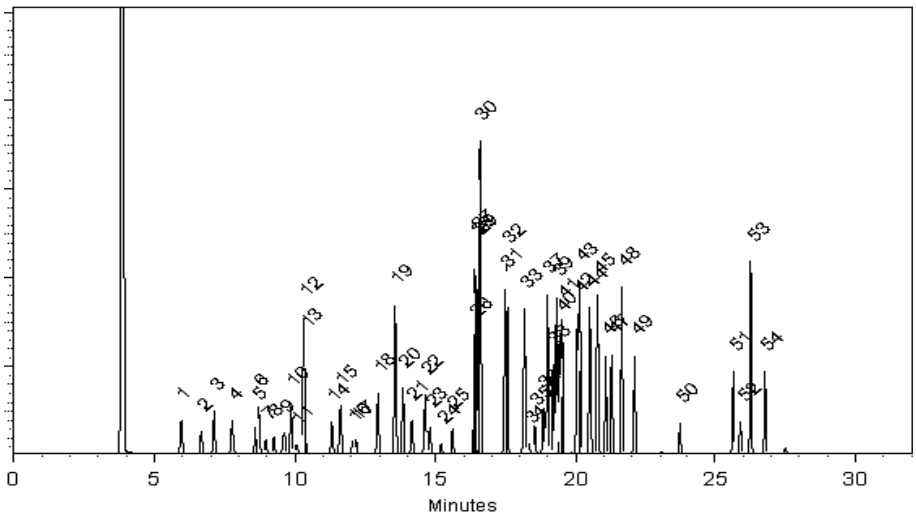
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Bethany Lowery - Operations Tech I

Date Mixed: 26-Apr-2022 **Balance:** B251644995

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 28-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_MegaMix#2_00076

RESTEK®
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. : 577487 **Lot No.:** A0173454

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 : June 30, 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	n-Pentane (C5)	5,000.8 µg/mL	+/- 34.9563 µg/mL	Gravimetric
	CAS # 109-66-0 (Lot SHBM6577)		+/- 248.1404 µg/mL	Unstressed
	Purity 99%		+/- 254.2734 µg/mL	Stressed
2	2-Propanol (isopropanol)	25,000.0 µg/mL	+/- 146.3805 µg/mL	Gravimetric
	CAS # 67-63-0 (Lot SHBH7211)		+/- 1,236.8175 µg/mL	Unstressed
	Purity 99%		+/- 1,267.5661 µg/mL	Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	5,000.0 µg/mL	+/- 34.9505 µg/mL	Gravimetric
	CAS # 76-13-1 (Lot 00016133)		+/- 248.0991 µg/mL	Unstressed
	Purity 99%		+/- 254.2310 µg/mL	Stressed
4	tert-Butanol (TBA)	25,010.0 µg/mL	+/- 146.4390 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot SHBM7694)		+/- 1,237.3122 µg/mL	Unstressed
	Purity 99%		+/- 1,268.0731 µg/mL	Stressed
5	Methyl acetate	5,000.2 µg/mL	+/- 34.9516 µg/mL	Gravimetric
	CAS # 79-20-9 (Lot SHBM1320)		+/- 248.1073 µg/mL	Unstressed
	Purity 99%		+/- 254.2395 µg/mL	Stressed
6	Iodomethane (methyl iodide)	5,001.7 µg/mL	+/- 34.9621 µg/mL	Gravimetric
	CAS # 74-88-4 (Lot RD210503)		+/- 248.1818 µg/mL	Unstressed
	Purity 99%		+/- 254.3157 µg/mL	Stressed
7	Allyl chloride (3-chloropropene)	5,000.7 µg/mL	+/- 34.9551 µg/mL	Gravimetric
	CAS # 107-05-1 (Lot RD210402)		+/- 248.1321 µg/mL	Unstressed
	Purity 99%		+/- 254.2649 µg/mL	Stressed

8	Carbon disulfide		5,004.2	µg/mL	+/-	34.9796	µg/mL	Gravimetric
	CAS # 75-15-0	(Lot N28F701)			+/-	248.3058	µg/mL	Unstressed
	Purity 99%				+/-	254.4428	µg/mL	Stressed
9	Acrylonitrile		12,506.0	µg/mL	+/-	73.2254	µg/mL	Gravimetric
	CAS # 107-13-1	(Lot M25F024)			+/-	618.7056	µg/mL	Unstressed
	Purity 99%				+/-	634.0873	µg/mL	Stressed
10	Methyl-tert-butyl ether (MTBE)		5,000.8	µg/mL	+/-	34.9563	µg/mL	Gravimetric
	CAS # 1634-04-4	(Lot SHBM3541)			+/-	248.1404	µg/mL	Unstressed
	Purity 99%				+/-	254.2734	µg/mL	Stressed
11	n-Hexane (C6)		5,000.5	µg/mL	+/-	34.9540	µg/mL	Gravimetric
	CAS # 110-54-3	(Lot SHBL9879)			+/-	248.1239	µg/mL	Unstressed
	Purity 99%				+/-	254.2564	µg/mL	Stressed
12	Diisopropyl ether (DIPE)		5,003.3	µg/mL	+/-	34.9738	µg/mL	Gravimetric
	CAS # 108-20-3	(Lot SHBH1927V)			+/-	248.2645	µg/mL	Unstressed
	Purity 99%				+/-	254.4005	µg/mL	Stressed
13	Chloroprene (2-chloro-1,3-butadiene)		5,001.2	µg/mL	+/-	34.9586	µg/mL	Gravimetric
	CAS # 126-99-8	(Lot 210413JLM)			+/-	248.1570	µg/mL	Unstressed
	Purity 99%				+/-	254.2903	µg/mL	Stressed
14	Ethyl-tert-butyl ether (ETBE)		5,001.7	µg/mL	+/-	34.9621	µg/mL	Gravimetric
	CAS # 637-92-3	(Lot MKCM3774)			+/-	248.1818	µg/mL	Unstressed
	Purity 99%				+/-	254.3157	µg/mL	Stressed
15	Propionitrile		25,006.7	µg/mL	+/-	146.4195	µg/mL	Gravimetric
	CAS # 107-12-0	(Lot BCCC1173)			+/-	1,237.1473	µg/mL	Unstressed
	Purity 99%				+/-	1,267.9041	µg/mL	Stressed
16	Methacrylonitrile		12,500.7	µg/mL	+/-	73.1942	µg/mL	Gravimetric
	CAS # 126-98-7	(Lot 1012020)			+/-	618.4417	µg/mL	Unstressed
	Purity 99%				+/-	633.8168	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,500.7	µg/mL	+/-	365.9551	µg/mL	Gravimetric
	CAS # 78-83-1	(Lot SHBM4836)			+/-	3,092.0767	µg/mL	Unstressed
	Purity 99%				+/-	3,168.9490	µg/mL	Stressed
18	Tetrahydrofuran		25,010.0	µg/mL	+/-	146.4390	µg/mL	Gravimetric
	CAS # 109-99-9	(Lot SHBM8962)			+/-	1,237.3122	µg/mL	Unstressed
	Purity 99%				+/-	1,268.0731	µg/mL	Stressed
19	Cyclohexane		5,001.7	µg/mL	+/-	34.9621	µg/mL	Gravimetric
	CAS # 110-82-7	(Lot MKCF5831)			+/-	248.1818	µg/mL	Unstressed
	Purity 99%				+/-	254.3157	µg/mL	Stressed
20	1-Butanol		62,504.0	µg/mL	+/-	365.9747	µg/mL	Gravimetric
	CAS # 71-36-3	(Lot SHBM5061)			+/-	3,092.2416	µg/mL	Unstressed
	Purity 99%				+/-	3,169.1180	µg/mL	Stressed
21	tert-Amyl methyl ether (TAME)		5,001.7	µg/mL	+/-	34.9621	µg/mL	Gravimetric
	CAS # 994-05-8	(Lot HMBG7745V)			+/-	248.1818	µg/mL	Unstressed
	Purity 99%				+/-	254.3157	µg/mL	Stressed
22	n-Heptane (C7)		5,002.3	µg/mL	+/-	34.9668	µg/mL	Gravimetric
	CAS # 142-82-5	(Lot SHBL9221)			+/-	248.2148	µg/mL	Unstressed
	Purity 99%				+/-	254.3496	µg/mL	Stressed
23	tert-Amyl ethyl ether (TAEE)		5,000.2	µg/mL	+/-	34.9516	µg/mL	Gravimetric
	CAS # 919-94-8	(Lot 76U3A)			+/-	248.1073	µg/mL	Unstressed
	Purity 99%				+/-	254.2395	µg/mL	Stressed

24	Methylcyclohexane		5,000.2	µg/mL	+/-	34.9516	µg/mL	Gravimetric
	CAS # 108-87-2	(Lot SHBL0078)			+/-	248.1073	µg/mL	Unstressed
	Purity 99%				+/-	254.2395	µg/mL	Stressed
25	Methyl methacrylate		5,001.0	µg/mL	+/-	34.9574	µg/mL	Gravimetric
	CAS # 80-62-6	(Lot MKCN3027)			+/-	248.1487	µg/mL	Unstressed
	Purity 99%				+/-	254.2818	µg/mL	Stressed
26	1,4-Dioxane		62,503.3	µg/mL	+/-	365.9708	µg/mL	Gravimetric
	CAS # 123-91-1	(Lot SHBM5092)			+/-	3,092.2086	µg/mL	Unstressed
	Purity 99%				+/-	3,169.0842	µg/mL	Stressed
27	2-Nitropropane		25,000.8	µg/mL	+/-	146.3851	µg/mL	Gravimetric
	CAS # 79-46-9	(Lot BCCB9352)			+/-	1,236.8561	µg/mL	Unstressed
	Purity 97%				+/-	1,267.6056	µg/mL	Stressed
28	Ethyl methacrylate		5,000.8	µg/mL	+/-	34.9563	µg/mL	Gravimetric
	CAS # 97-63-2	(Lot MKCL0907)			+/-	248.1404	µg/mL	Unstressed
	Purity 99%				+/-	254.2734	µg/mL	Stressed
29	1-Chlorohexane		5,000.0	µg/mL	+/-	34.9502	µg/mL	Gravimetric
	CAS # 544-10-5	(Lot BCBS3368V)			+/-	248.0971	µg/mL	Unstressed
	Purity 98%				+/-	254.2290	µg/mL	Stressed
30	trans-1,4-dichloro-2-butene		12,510.9	µg/mL	+/-	73.2539	µg/mL	Gravimetric
	CAS # 110-57-6	(Lot RD210617)			+/-	618.9463	µg/mL	Unstressed
	Purity 95%				+/-	634.3340	µg/mL	Stressed
31	1,2,3-Trimethylbenzene		5,000.0	µg/mL	+/-	34.9502	µg/mL	Gravimetric
	CAS # 526-73-8	(Lot 8776.10-36)			+/-	248.0971	µg/mL	Unstressed
	Purity 98%				+/-	254.2290	µg/mL	Stressed
32	1,3-Diethylbenzene		5,000.9	µg/mL	+/-	34.9570	µg/mL	Gravimetric
	CAS # 141-93-5	(Lot BCBT8967)			+/-	248.1457	µg/mL	Unstressed
	Purity 98%				+/-	254.2788	µg/mL	Stressed
33	Benzyl chloride		5,000.8	µg/mL	+/-	34.9563	µg/mL	Gravimetric
	CAS # 100-44-7	(Lot SHBH2102V)			+/-	248.1404	µg/mL	Unstressed
	Purity 99%				+/-	254.2734	µg/mL	Stressed
34	1,4-Diethylbenzene		5,001.4	µg/mL	+/-	34.9605	µg/mL	Gravimetric
	CAS # 105-05-5	(Lot RLHJK)			+/-	248.1700	µg/mL	Unstressed
	Purity 98%				+/-	254.3037	µg/mL	Stressed
35	1,2-Diethylbenzene		5,000.5	µg/mL	+/-	34.9540	µg/mL	Gravimetric
	CAS # 135-01-3	(Lot ECH2970181)			+/-	248.1239	µg/mL	Unstressed
	Purity 99%				+/-	254.2564	µg/mL	Stressed
36	1,3,5-Trichlorobenzene		5,000.2	µg/mL	+/-	34.9516	µg/mL	Gravimetric
	CAS # 108-70-3	(Lot 11319AS)			+/-	248.1073	µg/mL	Unstressed
	Purity 99%				+/-	254.2395	µg/mL	Stressed
37	2-Methylnaphthalene		5,001.0	µg/mL	+/-	34.9574	µg/mL	Gravimetric
	CAS # 91-57-6	(Lot STBG8884)			+/-	248.1487	µg/mL	Unstressed
	Purity 99%				+/-	254.2818	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)

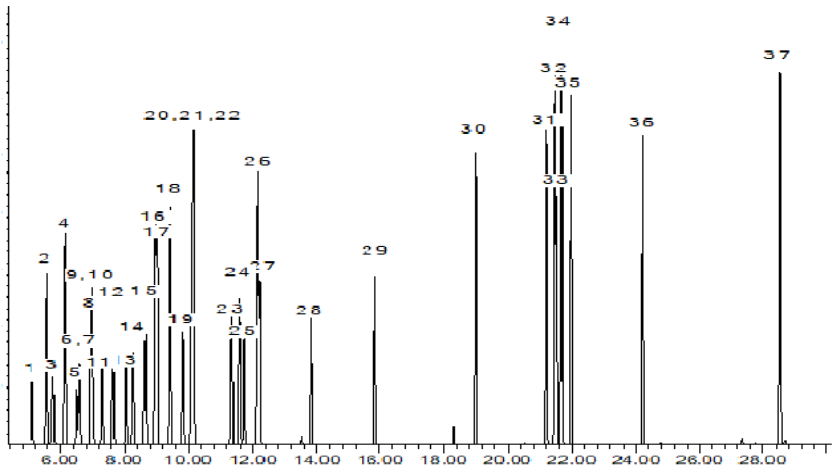
Carrier Gas:
helium-constant pressure 30 psi

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



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

Russ Bookhamer - Operations Technician I

Date Mixed: 16-Jun-2021 **Balance:** B707717271

Alexis Shelow - Operations Tech I

Date Passed: 30-Jun-2021

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_MegaMix#2_00109

RESTEK®
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. : 577487 **Lot No.:** A0186885

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 : June 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	n-Pentane (C5) **CAS #** 109-66-0 (Lot SHBN6009) **Purity** 99%	5,031.0 µg/mL	+/- 35.9016 µg/mL +/- 249.7418 µg/mL +/- 255.9092 µg/mL	Gravimetric Unstressed Stressed
2	2-Propanol (isopropanol) **CAS #** 67-63-0 (Lot SHBN6065) **Purity** 99%	25,031.0 µg/mL	+/- 146.5620 µg/mL +/- 1,238.3511 µg/mL +/- 1,269.1379 µg/mL	Gravimetric Unstressed Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1 (Lot 00016133) **Purity** 99%	5,009.5 µg/mL	+/- 35.7482 µg/mL +/- 248.6745 µg/mL +/- 254.8156 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0 (Lot 101619K21F-1) **Purity** 99%	25,112.0 µg/mL	+/- 147.0363 µg/mL +/- 1,242.3584 µg/mL +/- 1,273.2448 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9 (Lot SHBM1320) **Purity** 99%	5,011.0 µg/mL	+/- 35.7589 µg/mL +/- 248.7490 µg/mL +/- 254.8919 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4 (Lot RD220125) **Purity** 99%	5,012.0 µg/mL	+/- 35.7660 µg/mL +/- 248.7986 µg/mL +/- 254.9428 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1 (Lot RP220405A) **Purity** 99%	5,021.7 µg/mL	+/- 35.8350 µg/mL +/- 249.2785 µg/mL +/- 255.4345 µg/mL	Gravimetric Unstressed Stressed

8	Carbon disulfide		5,017.2	µg/mL	+/-	35.8029	µg/mL	Gravimetric
	CAS # 75-15-0	(Lot N28F701)			+/-	249.0551	µg/mL	Unstressed
	Purity 99%				+/-	255.2056	µg/mL	Stressed
9	Acrylonitrile		12,534.0	µg/mL	+/-	73.3893	µg/mL	Gravimetric
	CAS # 107-13-1	(Lot SHBK4954)			+/-	620.0908	µg/mL	Unstressed
	Purity 99%				+/-	635.5069	µg/mL	Stressed
10	Methyl-tert-butyl ether (MTBE)		5,014.5	µg/mL	+/-	35.7839	µg/mL	Gravimetric
	CAS # 1634-04-4	(Lot SHBN6497)			+/-	248.9227	µg/mL	Unstressed
	Purity 99%				+/-	255.0699	µg/mL	Stressed
11	n-Hexane (C6)		5,014.7	µg/mL	+/-	35.7850	µg/mL	Gravimetric
	CAS # 110-54-3	(Lot STBG6381)			+/-	248.9310	µg/mL	Unstressed
	Purity 99%				+/-	255.0784	µg/mL	Stressed
12	Diisopropyl ether (DIPE)		5,021.0	µg/mL	+/-	35.8302	µg/mL	Gravimetric
	CAS # 108-20-3	(Lot STBK3450)			+/-	249.2454	µg/mL	Unstressed
	Purity 99%				+/-	255.4006	µg/mL	Stressed
13	Chloroprene (2-chloro-1,3-butadiene)		5,026.3	µg/mL	+/-	35.8683	µg/mL	Gravimetric
	CAS # 126-99-8	(Lot 220304JEAN)			+/-	249.5101	µg/mL	Unstressed
	Purity 99%				+/-	255.6718	µg/mL	Stressed
14	Ethyl-tert-butyl ether (ETBE)		5,009.2	µg/mL	+/-	35.7458	µg/mL	Gravimetric
	CAS # 637-92-3	(Lot MKCN9957)			+/-	248.6580	µg/mL	Unstressed
	Purity 99%				+/-	254.7986	µg/mL	Stressed
15	Propionitrile		25,070.0	µg/mL	+/-	146.7904	µg/mL	Gravimetric
	CAS # 107-12-0	(Lot BCCF4167)			+/-	1,240.2806	µg/mL	Unstressed
	Purity 99%				+/-	1,271.1153	µg/mL	Stressed
16	Methacrylonitrile		12,539.0	µg/mL	+/-	73.4186	µg/mL	Gravimetric
	CAS # 126-98-7	(Lot 1012014)			+/-	620.3382	µg/mL	Unstressed
	Purity 99%				+/-	635.7604	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,525.0	µg/mL	+/-	366.0976	µg/mL	Gravimetric
	CAS # 78-83-1	(Lot SHBM4836)			+/-	3,093.2805	µg/mL	Unstressed
	Purity 99%				+/-	3,170.1827	µg/mL	Stressed
18	Tetrahydrofuran		25,065.0	µg/mL	+/-	146.7611	µg/mL	Gravimetric
	CAS # 109-99-9	(Lot SHBP0039)			+/-	1,240.0332	µg/mL	Unstressed
	Purity 99%				+/-	1,270.8617	µg/mL	Stressed
19	Cyclohexane		5,008.5	µg/mL	+/-	35.7410	µg/mL	Gravimetric
	CAS # 110-82-7	(Lot EA003-US)			+/-	248.6249	µg/mL	Unstressed
	Purity 99%				+/-	254.7647	µg/mL	Stressed
20	1-Butanol		62,524.0	µg/mL	+/-	366.0918	µg/mL	Gravimetric
	CAS # 71-36-3	(Lot SHBN6854)			+/-	3,093.2311	µg/mL	Unstressed
	Purity 99%				+/-	3,170.1320	µg/mL	Stressed
21	tert-Amyl methyl ether (TAME)		5,009.2	µg/mL	+/-	35.7458	µg/mL	Gravimetric
	CAS # 994-05-8	(Lot HMBG7745V)			+/-	248.6580	µg/mL	Unstressed
	Purity 99%				+/-	254.7986	µg/mL	Stressed
22	n-Heptane (C7)		5,016.7	µg/mL	+/-	35.7993	µg/mL	Gravimetric
	CAS # 142-82-5	(Lot SGBL9221)			+/-	249.0303	µg/mL	Unstressed
	Purity 99%				+/-	255.1801	µg/mL	Stressed
23	tert-Amyl ethyl ether (TAEE)		5,010.8	µg/mL	+/-	35.7577	µg/mL	Gravimetric
	CAS # 919-94-8	(Lot 76U3A)			+/-	248.7407	µg/mL	Unstressed
	Purity 99%				+/-	254.8834	µg/mL	Stressed

24	Methylcyclohexane		5,022.3	µg/mL	+/-	35.8398	µg/mL	Gravimetric
	CAS # 108-87-2	(Lot SHBL0078)			+/-	249.3116	µg/mL	Unstressed
	Purity 99%				+/-	255.4684	µg/mL	Stressed
25	Methyl methacrylate		5,011.5	µg/mL	+/-	35.7625	µg/mL	Gravimetric
	CAS # 80-62-6	(Lot MKCQ2755)			+/-	248.7738	µg/mL	Unstressed
	Purity 99%				+/-	254.9173	µg/mL	Stressed
26	1,4-Dioxane		62,598.0	µg/mL	+/-	366.5251	µg/mL	Gravimetric
	CAS # 123-91-1	(Lot SHBN5929)			+/-	3,096.8920	µg/mL	Unstressed
	Purity 99%				+/-	3,173.8840	µg/mL	Stressed
27	2-Nitropropane		25,086.1	µg/mL	+/-	146.8849	µg/mL	Gravimetric
	CAS # 79-46-9	(Lot BCCB9352)			+/-	1,241.0791	µg/mL	Unstressed
	Purity 97%				+/-	1,271.9336	µg/mL	Stressed
28	Ethyl methacrylate		5,017.7	µg/mL	+/-	35.8065	µg/mL	Gravimetric
	CAS # 97-63-2	(Lot MKCL0907)			+/-	249.0799	µg/mL	Unstressed
	Purity 99%				+/-	255.2310	µg/mL	Stressed
29	1-Chlorohexane		5,022.3	µg/mL	+/-	35.8398	µg/mL	Gravimetric
	CAS # 544-10-5	(Lot BCBS3368V)			+/-	249.3117	µg/mL	Unstressed
	Purity 98%				+/-	255.4685	µg/mL	Stressed
30	trans-1,4-dichloro-2-butene		12,586.6	µg/mL	+/-	73.6970	µg/mL	Gravimetric
	CAS # 110-57-6	(Lot RD220405A)			+/-	622.6906	µg/mL	Unstressed
	Purity 95%				+/-	638.1714	µg/mL	Stressed
31	1,2,3-Trimethylbenzene		5,012.4	µg/mL	+/-	35.7687	µg/mL	Gravimetric
	CAS # 526-73-8	(Lot 8776.10-36)			+/-	248.8172	µg/mL	Unstressed
	Purity 98%				+/-	254.9617	µg/mL	Stressed
32	1,3-Diethylbenzene		5,012.0	µg/mL	+/-	35.7664	µg/mL	Gravimetric
	CAS # 141-93-5	(Lot BCBT8967)			+/-	248.8009	µg/mL	Unstressed
	Purity 98%				+/-	254.9451	µg/mL	Stressed
33	Benzyl chloride		5,020.8	µg/mL	+/-	35.8291	µg/mL	Gravimetric
	CAS # 100-44-7	(Lot SHBH2102V)			+/-	249.2371	µg/mL	Unstressed
	Purity 99%				+/-	255.3921	µg/mL	Stressed
34	1,4-Diethylbenzene		5,011.7	µg/mL	+/-	35.7636	µg/mL	Gravimetric
	CAS # 105-05-5	(Lot 1135.72-1)			+/-	248.7821	µg/mL	Unstressed
	Purity 99%				+/-	254.9258	µg/mL	Stressed
35	1,2-Diethylbenzene		5,011.3	µg/mL	+/-	35.7613	µg/mL	Gravimetric
	CAS # 135-01-3	(Lot ECH2970181)			+/-	248.7655	µg/mL	Unstressed
	Purity 99%				+/-	254.9088	µg/mL	Stressed
36	1,3,5-Trichlorobenzene		5,013.2	µg/mL	+/-	35.7743	µg/mL	Gravimetric
	CAS # 108-70-3	(Lot 11319AS)			+/-	248.8565	µg/mL	Unstressed
	Purity 99%				+/-	255.0021	µg/mL	Stressed
37	2-Methylnaphthalene		5,013.1	µg/mL	+/-	35.7740	µg/mL	Gravimetric
	CAS # 91-57-6	(Lot STBK0259)			+/-	248.8542	µg/mL	Unstressed
	Purity 96%				+/-	254.9997	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)

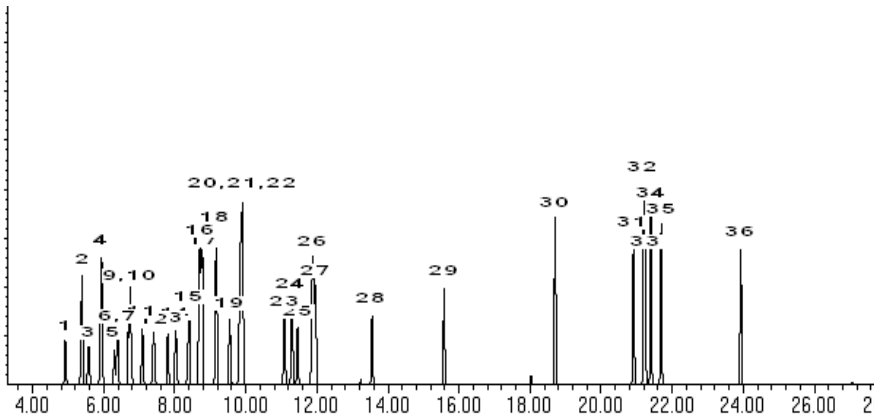
Carrier Gas:
helium-constant pressure 30 psi

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



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.

Miranda Kline

Miranda Kline - Operations Technician I

Date Mixed: 30-Jun-2022 **Balance:** B707717271

Christie Mills

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Jul-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.

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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. : 569721.SEC **Lot No.:** A0178490

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 : November 30, 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	Acetone	12,504.0 µg/mL	+/- 73.2137 µg/mL	Gravimetric
	CAS # 67-64-1.SEC (Lot S25F025)		+/- 754.4715 µg/mL	Unstressed
	Purity 99%		+/- 756.2625 µg/mL	Stressed
2	2-Butanone (MEK)	12,502.0 µg/mL	+/- 73.2020 µg/mL	Gravimetric
	CAS # 78-93-3.SEC (Lot RGZ2A)		+/- 754.3508 µg/mL	Unstressed
	Purity 99%		+/- 756.1415 µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,508.7 µg/mL	+/- 73.2410 µg/mL	Gravimetric
	CAS # 108-10-1.SEC (Lot E29T040)		+/- 754.7530 µg/mL	Unstressed
	Purity 99%		+/- 756.5447 µg/mL	Stressed
4	2-Hexanone	12,507.3 µg/mL	+/- 73.2332 µg/mL	Gravimetric
	CAS # 591-78-6.SEC (Lot Y3TUO)		+/- 754.6726 µg/mL	Unstressed
	Purity 99%		+/- 756.4641 µg/mL	Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

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

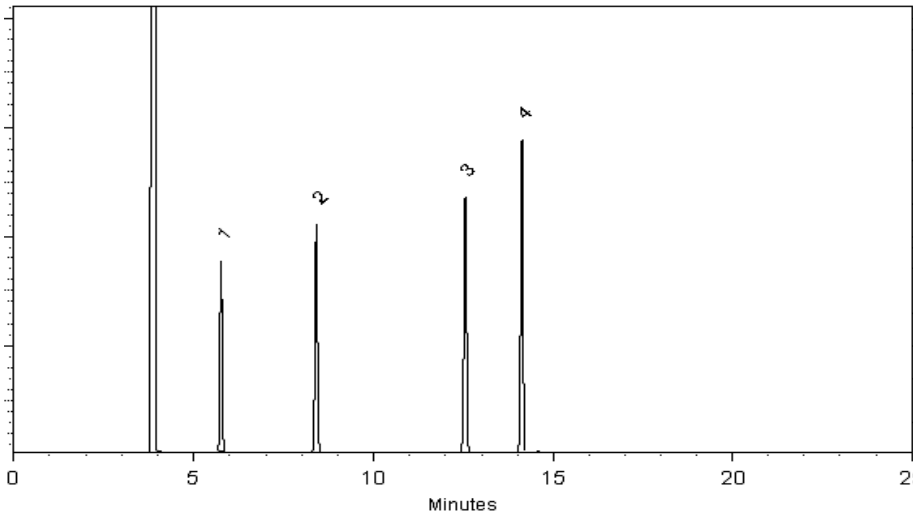
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Jeff Rhoades - Mix Technician

Date Mixed: 15-Nov-2021 **Balance:** 1127510105

Clara Windle - Operations Technician I

Date Passed: 16-Nov-2021

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.

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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.:** A0172021

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, 2024 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12) **CAS #** 75-71-8.SEC (Lot 26871) **Purity** 99%	2,014.7 µg/mL	+/- 21.3347 µg/mL +/- 114.3626 µg/mL +/- 116.9742 µg/mL	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) **CAS #** 74-87-3.SEC (Lot 18343) **Purity** 99%	2,018.4 µg/mL	+/- 22.6573 µg/mL +/- 114.8157 µg/mL +/- 117.4265 µg/mL	Gravimetric Unstressed Stressed
3	Vinyl chloride **CAS #** 75-01-4.SEC (Lot MKBK6872V) **Purity** 99%	2,011.6 µg/mL	+/- 18.1502 µg/mL +/- 113.6387 µg/mL +/- 116.2584 µg/mL	Gravimetric Unstressed Stressed
4	1,3-Butadiene **CAS #** 106-99-0.SEC (Lot 26996) **Purity** 99%	2,020.9 µg/mL	+/- 15.6985 µg/mL +/- 113.7849 µg/mL +/- 116.4253 µg/mL	Gravimetric Unstressed Stressed
5	Bromomethane (methyl bromide) **CAS #** 74-83-9.SEC (Lot 00017022) **Purity** 99%	2,014.3 µg/mL	+/- 52.5641 µg/mL +/- 124.0186 µg/mL +/- 126.4297 µg/mL	Gravimetric Unstressed Stressed
6	Chloroethane (ethyl chloride) **CAS #** 75-00-3.SEC (Lot 00004202) **Purity** 99%	2,009.7 µg/mL	+/- 28.6335 µg/mL +/- 115.6738 µg/mL +/- 118.2437 µg/mL	Gravimetric Unstressed Stressed
7	Dichlorofluoromethane (CFC-21) **CAS #** 75-43-4 * (Lot 10930400) **Purity** 99%	2,000.0 µg/mL	+/- 11.7371 µg/mL +/- 112.1494 µg/mL +/- 114.7730 µg/mL	Gravimetric Unstressed Stressed

8	Trichlorofluoromethane (CFC-11)		2,010.6	µg/mL	+/-	32.3019	µg/mL	Gravimetric
	CAS # 75-69-4.SEC	(Lot 253600)			+/-	116.6827	µg/mL	Unstressed
	Purity 99%				+/-	119.2330	µg/mL	Stressed
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)		2,020.4	µg/mL	+/-	21.8150	µg/mL	Gravimetric
	CAS # 354-23-4 *	(Lot Q9B-64)			+/-	114.7647	µg/mL	Unstressed
	Purity 99%				+/-	117.3819	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)

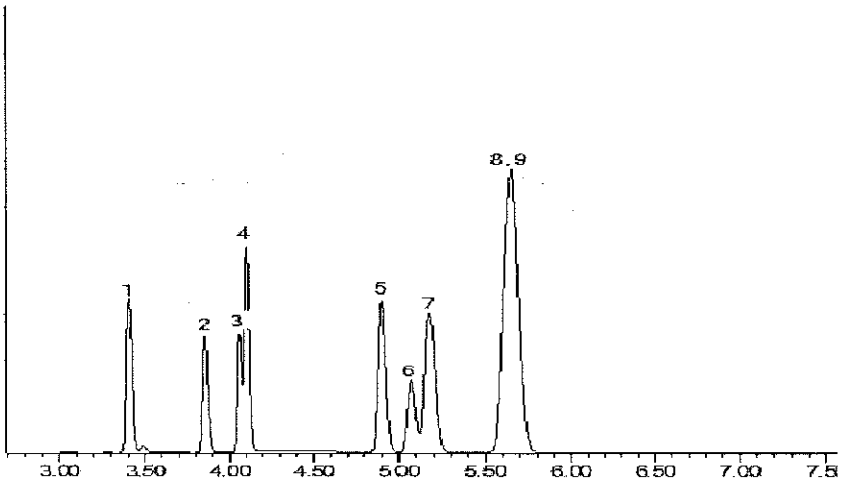
Carrier Gas:
helium-constant flow 2.0 mL/min.

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.

Lane Kibe - Mix Technician

Date Mixed: 04-May-2021 **Balance:** 1127510105

Alexis Shelow - Operations Tech I

Date Passed: 17-May-2021

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.

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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)

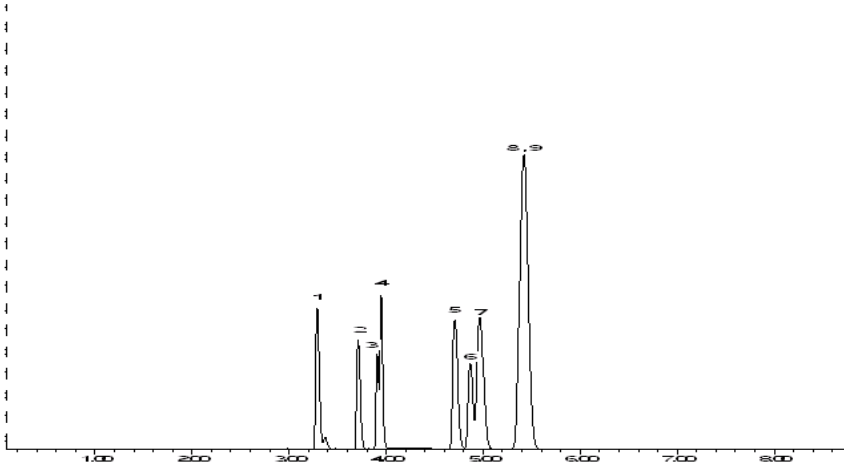
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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%.

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- 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.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Gases.SEC Standard

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

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

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

Ship: Ambient

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

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

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

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

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

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

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

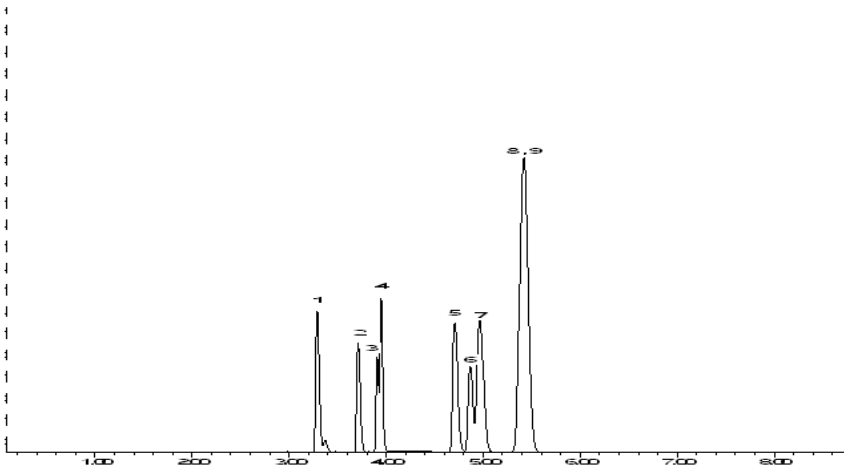
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Brandon Reish - Mix Technician

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

Marlina Cowan - Operations Tech I

Date Passed: 10-May-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V#2B_00277

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

www.restek.com

Certificate of Analysis

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. : 56734 **Lot No.:** A0184378

Description : Custom V # 2B Standard

Custom V #2B Standard 12,500-125,000µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : April 30, 2024 **Storage:** 0°C or colder

Ship: Ambient

Elution Order	Compound	CAS #	Percent Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Propanol (isopropanol)	67-63-0	99%	25,003.0 µg/mL	+/- 146.3981 µg/mL
2	tert-Butanol (TBA)	75-65-0	99%	25,000.0 µg/mL	+/- 146.3805 µg/mL
3	Propionitrile	107-12-0	99%	25,003.0 µg/mL	+/- 146.3981 µg/mL
4	Methacrylonitrile	126-98-7	99%	12,502.0 µg/mL	+/- 73.2020 µg/mL
5	Isobutanol (2-Methyl-1-propanol)	78-83-1	99%	62,503.0 µg/mL	+/- 365.9688 µg/mL
6	1-Butanol	71-36-3	98%	124,982.3 µg/mL	+/- 731.7613 µg/mL
7	1,4-Dioxane	123-91-1	99%	62,530.0 µg/mL	+/- 366.1269 µg/mL
8	trans-1,4-dichloro-2-butene	110-57-6	95%	12,496.3 µg/mL	+/- 73.1686 µg/mL
Solvent:	P&T Methanol	67-56-1	99%		

Specific Reference Material Notes:

This RM (Reference Material) is not a CRM (Certified Reference Material) due to the 1-butanol concentration exceeding the maximum concentration on Restek's ISO Guide 34 scope of accreditation.

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

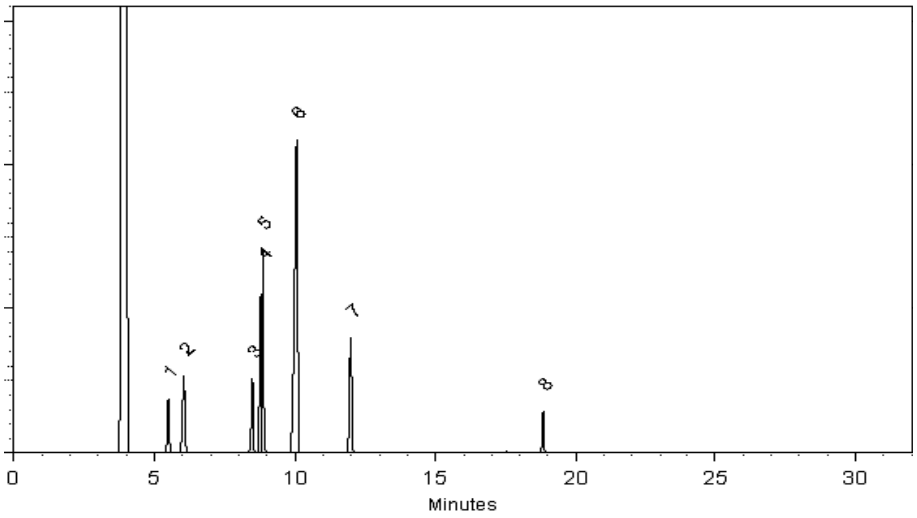
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Josh McCloskey - Operations Technician I

Date Mixed: 21-Apr-2022 **Balance:** B707717271

Christie Mills - Operations Technician II

Date Passed: 27-Apr-2022

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

General Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the RM 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.

Uncertainty Value Notes:

- Uncertainties are determined using data from balances and glassware, raw material purity, and, when significant, equipment tolerances or calibration results.

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

Reagent

MSV_V_Ketones_00074

110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: (814)353-1309

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Catalog No. : 569721 **Lot No.:** A0174287

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 : July 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	Acetone		12,526.4 µg/mL	+/- 73.3448 µg/mL		Gravimetric
	CAS # 67-64-1	(Lot SHBN3661)		+/- 755.8230 µg/mL		Unstressed
	Purity 99%			+/- 757.6173 µg/mL		Stressed
2	2-Butanone (MEK)		12,543.6 µg/mL	+/- 73.4455 µg/mL		Gravimetric
	CAS # 78-93-3	(Lot SHBL5543)		+/- 756.8609 µg/mL		Unstressed
	Purity 99%			+/- 758.6575 µg/mL		Stressed
3	4-Methyl-2-pentanone (MIBK)		12,534.8 µg/mL	+/- 73.3940 µg/mL		Gravimetric
	CAS # 108-10-1	(Lot SHBM7956)		+/- 756.3299 µg/mL		Unstressed
	Purity 99%			+/- 758.1253 µg/mL		Stressed
4	2-Hexanone		12,617.6 µg/mL	+/- 73.8788 µg/mL		Gravimetric
	CAS # 591-78-6	(Lot MKCL1599)		+/- 761.3259 µg/mL		Unstressed
	Purity 99%			+/- 763.1332 µg/mL		Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

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

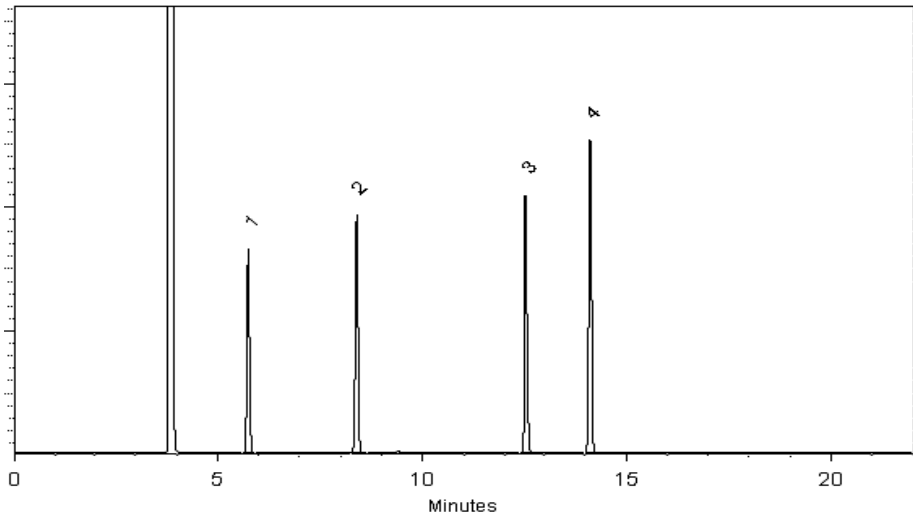
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Sam Moodler - Operations Tech I

Date Mixed: 11-Jul-2021 **Balance:** B707717271

Marlina Cowan - Operations Tech I

Date Passed: 13-Jul-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_Ketones_00101

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

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CERTIFIED REFERENCE MATERIAL

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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.

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Catalog No. : 569721 **Lot No.:** A0180742

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, 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	Acetone	12,524.0 µg/mL	+/- 73.3308 µg/mL	Gravimetric
	CAS # 67-64-1 (Lot MKCP0755)		+/- 755.6782 µg/mL	Unstressed
	Purity 99%		+/- 757.4721 µg/mL	Stressed
2	2-Butanone (MEK)	12,529.5 µg/mL	+/- 73.3630 µg/mL	Gravimetric
	CAS # 78-93-3 (Lot SHBN2844)		+/- 756.0101 µg/mL	Unstressed
	Purity 99%		+/- 757.8048 µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,541.5 µg/mL	+/- 73.4332 µg/mL	Gravimetric
	CAS # 108-10-1 (Lot SHBN3601)		+/- 756.7342 µg/mL	Unstressed
	Purity 99%		+/- 758.5305 µg/mL	Stressed
4	2-Hexanone	12,548.0 µg/mL	+/- 73.4713 µg/mL	Gravimetric
	CAS # 591-78-6 (Lot MKCL1599)		+/- 757.1264 µg/mL	Unstressed
	Purity 99%		+/- 758.9237 µg/mL	Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

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

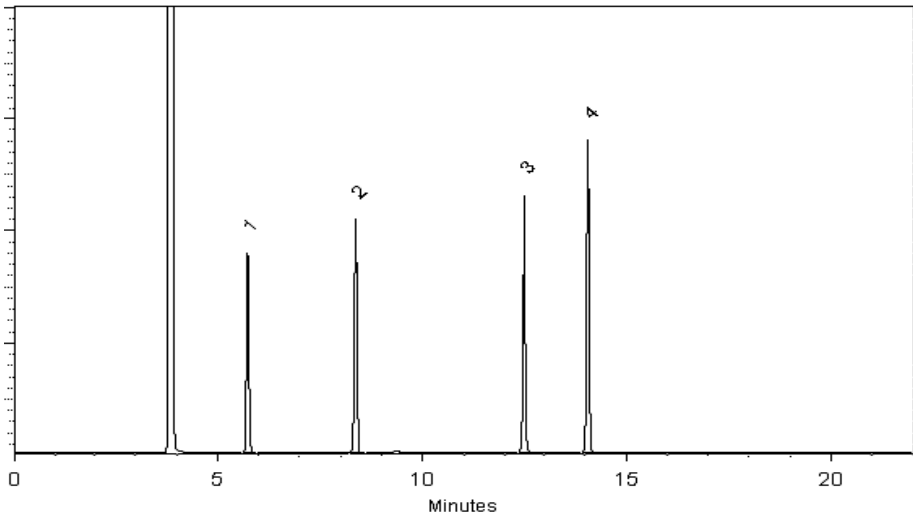
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Penelope Riglin - Operations Tech I

Date Mixed: 18-Jan-2022 **Balance:** B707717271

Marlina Cowan - Operations Tech I

Date Passed: 20-Jan-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.
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Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_Ketones_00111

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Tel: (800)356-1688
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Testing Laboratory
Certificate #3222.02

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Catalog No. : 569721 **Lot No.:** A0180742

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, 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	Acetone	12,524.0 µg/mL	+/- 73.3308 µg/mL	Gravimetric
	CAS # 67-64-1 (Lot MKCP0755)		+/- 755.6782 µg/mL	Unstressed
	Purity 99%		+/- 757.4721 µg/mL	Stressed
2	2-Butanone (MEK)	12,529.5 µg/mL	+/- 73.3630 µg/mL	Gravimetric
	CAS # 78-93-3 (Lot SHBN2844)		+/- 756.0101 µg/mL	Unstressed
	Purity 99%		+/- 757.8048 µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,541.5 µg/mL	+/- 73.4332 µg/mL	Gravimetric
	CAS # 108-10-1 (Lot SHBN3601)		+/- 756.7342 µg/mL	Unstressed
	Purity 99%		+/- 758.5305 µg/mL	Stressed
4	2-Hexanone	12,548.0 µg/mL	+/- 73.4713 µg/mL	Gravimetric
	CAS # 591-78-6 (Lot MKCL1599)		+/- 757.1264 µg/mL	Unstressed
	Purity 99%		+/- 758.9237 µg/mL	Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

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

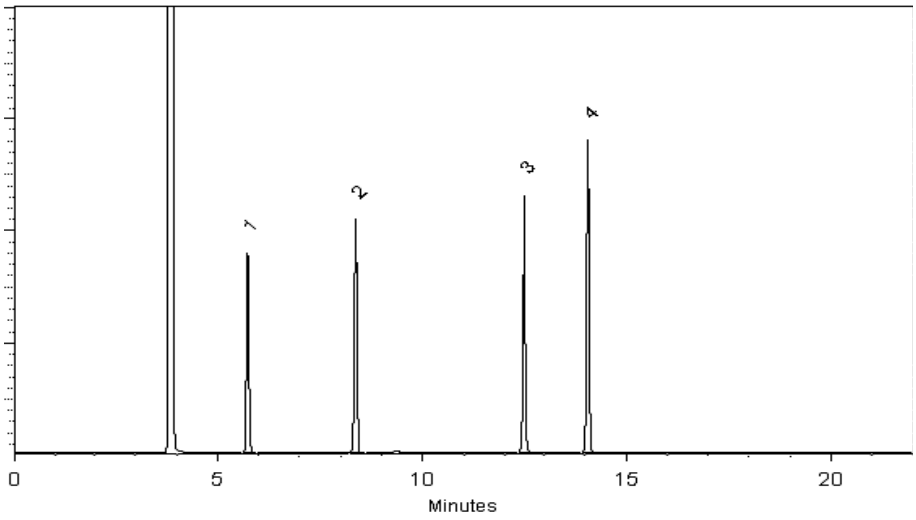
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Penelope Riglin - Operations Tech I

Date Mixed: 18-Jan-2022 **Balance:** B707717271

Marlina Cowan - Operations Tech I

Date Passed: 20-Jan-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_00019

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577491 **Lot No.:** A0171341

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, 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	Pentachloroethane	5,006.0 µg/mL	+/- 29.3780 µg/mL	Gravimetric
	CAS # 76-01-7 (Lot 10518800)		+/- 280.7099 µg/mL	Unstressed
	Purity 99%		+/- 287.2768 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)

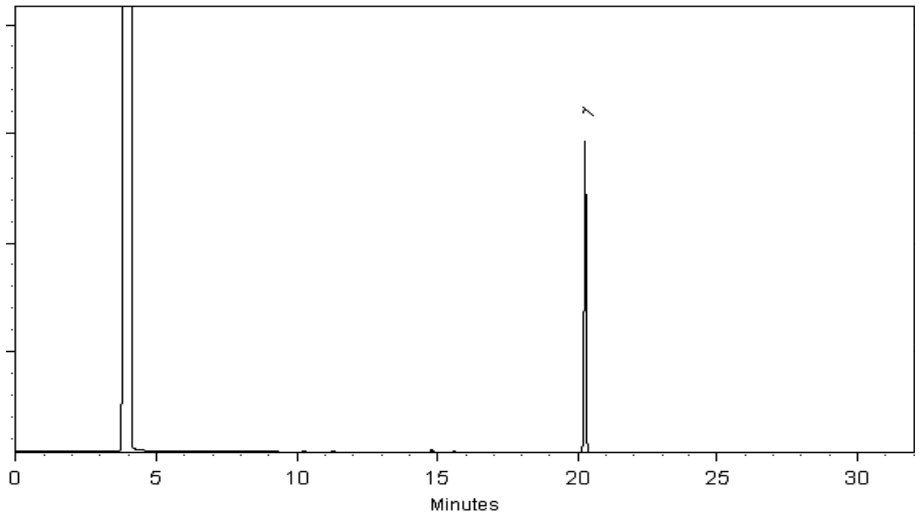
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Jeremy Warefield - Operations Tech I

Date Mixed: 14-Apr-2021 **Balance:** 1127510105

Alexis Shelow - Operations Tech I

Date Passed: 19-Apr-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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)

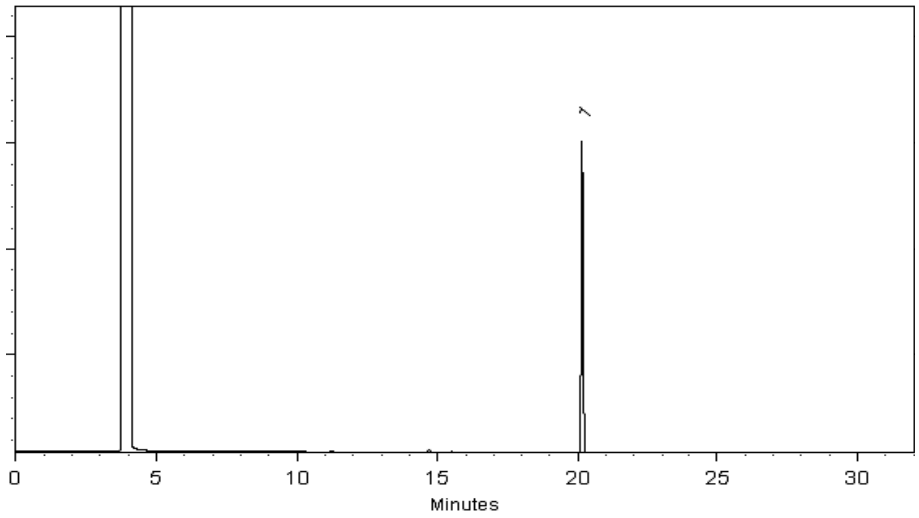
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

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.:** A0172146

Description : Custom SM Freons Standard

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

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

Expiration Date : May 31, 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	Chlorotrifluoroethylene	1,998.3 µg/mL	+/- 31.1209 µg/mL	Gravimetric
	CAS # 79-38-9 (Lot 199600)		+/- 115.7047 µg/mL	Unstressed
	Purity 99%		+/- 118.2453 µg/mL	Stressed
2	Chlorodifluoromethane (CFC-22)	2,003.6 µg/mL	+/- 77.8648 µg/mL	Gravimetric
	CAS # 75-45-6 (Lot Q162-44)		+/- 136.1895 µg/mL	Unstressed
	Purity 99%		+/- 138.3658 µg/mL	Stressed
3	2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	2,001.9 µg/mL	+/- 77.7991 µg/mL	Gravimetric
	CAS # 75-88-7 (Lot Q157-146)		+/- 136.0747 µg/mL	Unstressed
	Purity 99%		+/- 138.2491 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)

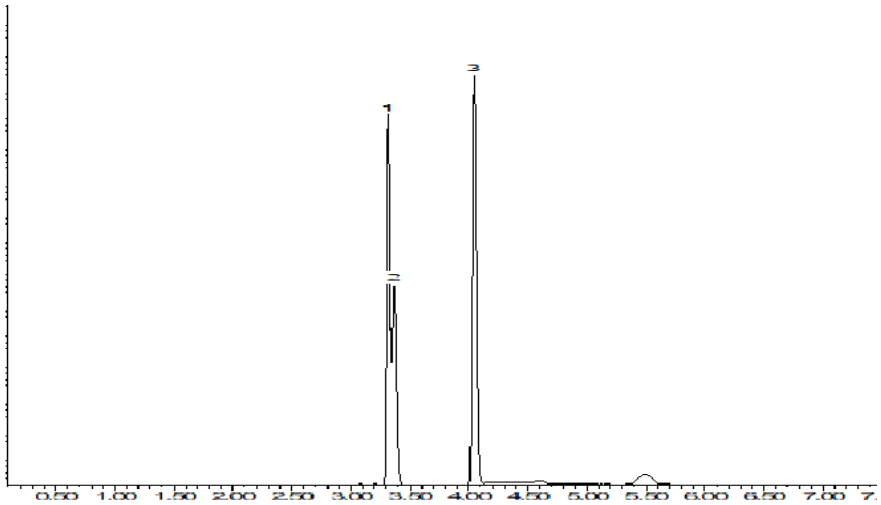
Carrier Gas:
helium-constant flow 2.0 mL/min.

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.

Tom Suckar - Mix Technician

Date Mixed: 07-May-2021 **Balance:** B251644995

Alexis Shelow - Operations Tech I

Date Passed: 10-May-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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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:

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Handling 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 En Job No.: 410-119839-1

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	410-119839-1	104	104	101	89
HD-COD-SW-7-0/1-0	410-119839-2	105	107	101	90
HD-COD-SW-8-0/1-0	410-119839-3	107	109	104	90
HD-COD-SW-9-0/1-0	410-119839-4	106	110	102	90
HD-COD-SW-13-0/1-0	410-119839-5	104	107	102	89
HD-COD-SW-15-0/1-0	410-119839-6	104	107	101	90
HD-COD-SW-16-0/1-0	410-119839-7	104	106	102	90
HD-COD-SW-17-0/1-0	410-119839-8	105	106	100	89
HD-COD-SW-17-0/1-0 DL	410-119839-8 DL	104	103	97	98
HD-COD-SW-26-0/1-0	410-119839-9	104	103	100	90
HD-COD-SW-27-0/1-0	410-119839-10	104	108	101	90
HD-COD-SW-28-0/1-0	410-119839-11	106	109	103	90
HD-COD-SW-29-0/1-0	410-119839-12	105	105	103	90
GD-QC1-0/1-1	410-119839-13	107	107	100	88
GD-QC1-0/1-1 DL	410-119839-13 DL	105	104	97	100
GD-QC1-0/1-2	410-119839-14	103	104	101	92
	MB 410-357851/6	103	110	102	91
	MB 410-358849/6	102	101	98	100
	LCS 410-357851/4	102	104	105	96
	LCS 410-358849/4	102	100	98	99
HD-COD-SW-15-0/1-0 MS MS	410-119839-6 MS	102	104	104	96
HD-COD-SW-15-0/1-0 MSD MSD	410-119839-6 MSD	101	107	103	95

	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.: 410-119839-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HM27X03.D

Lab ID: LCS 410-357851/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.92	118	71-134	
1,1,1-Trichloroethane	5.00	5.25	105	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.51	110	75-123	
1,1,2-Trichloroethane	5.00	5.59	112	80-120	
1,1-Dichloroethane	5.00	5.37	107	74-120	
1,1-Dichloroethene	5.00	5.15	103	80-131	
1,2-Dibromoethane (EDB)	5.00	5.83	117	80-120	
1,2-Dichloroethane	5.00	5.75	115	69-122	
1,2-Dichloropropane	5.00	5.45	109	80-120	
2-Butanone (MEK)	62.5	67.9	109	59-141	
2-Hexanone	62.5	65.6	105	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	63.4	101	55-140	
Acetone	62.5	61.4	98	60-146	
Benzene	5.00	5.20	104	80-120	
Bromochloromethane	5.00	5.61	112	80-120	
Bromodichloromethane	5.00	5.47	109	73-124	
Bromoform	5.00	5.97	119	49-144	
Carbon disulfide	5.00	5.92	118	67-130	
Carbon tetrachloride	5.00	5.36	107	64-141	
Chlorobenzene	5.00	5.82	116	80-120	
Chloroform	5.00	5.42	108	80-120	
cis-1,2-Dichloroethene	5.00	5.25	105	80-122	
cis-1,3-Dichloropropene	5.00	5.09	102	67-121	
Dibromochloromethane	5.00	6.03	121	64-138	
Ethylbenzene	5.00	5.45	109	80-120	
Methyl tert-butyl ether	5.00	5.06	101	69-120	
Methylene Chloride	5.00	5.44	109	80-120	
Styrene	5.00	5.50	110	80-120	
Tetrachloroethene	5.00	5.61	112	80-120	
Toluene	5.00	5.44	109	80-120	
trans-1,2-Dichloroethene	5.00	5.22	104	80-122	
trans-1,3-Dichloropropene	5.00	5.91	118	61-129	
Trichloroethene	5.00	5.11	102	80-120	
Xylenes, Total	15.0	17.0	113	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.: 410-119839-1

SDG No.:

Matrix: Water Level: Low Lab File ID: IM29X03.D

Lab ID: LCS 410-358849/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.18	104	71-134	
1,1,1-Trichloroethane	5.00	4.94	99	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.01	100	75-123	
1,1,2-Trichloroethane	5.00	5.06	101	80-120	
1,1-Dichloroethane	5.00	4.74	95	74-120	
1,1-Dichloroethene	5.00	4.90	98	80-131	
1,2-Dibromoethane (EDB)	5.00	5.23	105	80-120	
1,2-Dichloroethane	5.00	4.85	97	69-122	
1,2-Dichloropropane	5.00	4.96	99	80-120	
2-Butanone (MEK)	62.5	62.5	100	59-141	
2-Hexanone	62.5	66.6	106	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	66.6	106	55-140	
Acetone	62.5	50.2	80	60-146	
Benzene	5.00	4.92	98	80-120	
Bromochloromethane	5.00	5.09	102	80-120	
Bromodichloromethane	5.00	5.05	101	73-124	
Bromoform	5.00	5.06	101	49-144	
Bromomethane	5.00	4.94	99	60-136	
Carbon disulfide	5.00	4.53	91	67-130	
Carbon tetrachloride	5.00	4.95	99	64-141	
Chlorobenzene	5.00	4.90	98	80-120	
Chloroethane	5.00	5.06	101	63-120	
Chloroform	5.00	4.91	98	80-120	
Chloromethane	5.00	4.76	95	56-124	
cis-1,2-Dichloroethene	5.00	5.01	100	80-122	
cis-1,3-Dichloropropene	5.00	4.96	99	67-121	
Dibromochloromethane	5.00	5.10	102	64-138	
Ethylbenzene	5.00	4.88	98	80-120	
Methyl tert-butyl ether	5.00	4.93	99	69-120	
Methylene Chloride	5.00	4.96	99	80-120	
Styrene	5.00	5.10	102	80-120	
Tetrachloroethene	5.00	4.94	99	80-120	
Toluene	5.00	4.87	97	80-120	
trans-1,2-Dichloroethene	5.00	4.68	94	80-122	
trans-1,3-Dichloropropene	5.00	5.19	104	61-129	
Trichloroethene	5.00	4.72	94	80-120	
Vinyl chloride	5.00	4.66	93	60-125	
Xylenes, Total	15.0	14.9	99	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.: 410-119839-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HM27X16.D

Lab ID: 410-119839-6 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	5.91	118	71-134	
1,1,1-Trichloroethane	5.00	0.38 J	6.09	114	78-126	
1,1,2,2-Tetrachloroethane	5.00	ND	5.39	108	75-123	
1,1,2-Trichloroethane	5.00	ND	5.55	111	80-120	
1,1-Dichloroethane	5.00	0.14 J	5.64	110	74-120	
1,1-Dichloroethene	5.00	0.15 J	5.79	113	80-131	
1,2-Dibromoethane (EDB)	5.00	ND	5.61	112	80-120	
1,2-Dichloroethane	5.00	ND	5.65	113	69-122	
1,2-Dichloropropane	5.00	ND	5.51	110	80-120	
2-Butanone (MEK)	62.6	ND	74.0	118	59-141	
2-Hexanone	62.6	ND	73.4	117	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	ND	71.6	114	55-140	
Acetone	62.6	ND	64.6	103	60-146	
Benzene	5.00	ND	5.37	107	80-120	
Bromochloromethane	5.00	ND	5.52	110	80-120	
Bromodichloromethane	5.00	ND	5.54	111	73-124	
Bromoform	5.00	ND	5.63	113	49-144	
Bromomethane	5.00	ND	5.70	114	60-136	
Carbon disulfide	5.00	ND	6.37	127	67-130	
Carbon tetrachloride	5.00	ND	5.92	118	64-141	
Chlorobenzene	5.00	ND	5.80	116	80-120	
Chloroethane	5.00	ND	5.85	117	63-120	
Chloroform	5.00	0.29 J	5.88	112	80-120	
Chloromethane	5.00	0.29 J	7.28	140	80-120	FH
cis-1,2-Dichloroethene	5.00	1.4	7.00	111	80-122	
cis-1,3-Dichloropropene	5.00	ND	4.88	97	67-121	
Dibromochloromethane	5.00	ND	5.87	117	64-138	
Ethylbenzene	5.00	ND	5.48	110	80-120	
Methyl tert-butyl ether	5.00	ND	4.82	96	69-120	
Methylene Chloride	5.00	ND	5.45	109	80-120	
Styrene	5.00	ND	5.43	109	80-120	
Tetrachloroethene	5.00	6.3	12.3	119	80-120	
Toluene	5.00	ND	5.58	111	80-120	
trans-1,2-Dichloroethene	5.00	ND	5.46	109	80-122	
trans-1,3-Dichloropropene	5.00	ND	5.63	112	61-129	
Trichloroethene	5.00	1.3	6.59	106	80-120	
Vinyl chloride	5.00	ND	6.69	134	60-125	FH
Xylenes, Total	15.0	ND	17.2	114	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HM27X17.D

Lab ID: 410-119839-6 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	5.81	116	2	30	71-134	
1,1,1-Trichloroethane	5.00	5.86	110	4	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.28	106	2	30	75-123	
1,1,2-Trichloroethane	5.00	5.41	108	2	30	80-120	
1,1-Dichloroethane	5.00	5.53	108	2	30	74-120	
1,1-Dichloroethene	5.00	5.71	111	1	30	80-131	
1,2-Dibromoethane (EDB)	5.00	5.56	111	1	30	80-120	
1,2-Dichloroethane	5.00	5.64	113	0	30	69-122	
1,2-Dichloropropane	5.00	5.32	106	3	30	80-120	
2-Butanone (MEK)	62.6	67.1	107	10	30	59-141	
2-Hexanone	62.6	66.2	106	10	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	64.5	103	10	30	55-140	
Acetone	62.6	60.8	97	6	30	60-146	
Benzene	5.00	5.24	105	2	30	80-120	
Bromochloromethane	5.00	5.47	109	1	30	80-120	
Bromodichloromethane	5.00	5.42	108	2	30	73-124	
Bromoform	5.00	5.66	113	0	30	49-144	
Bromomethane	5.00	5.54	111	3	30	60-136	
Carbon disulfide	5.00	6.18	123	3	30	67-130	
Carbon tetrachloride	5.00	5.79	116	2	30	64-141	
Chlorobenzene	5.00	5.78	115	0	30	80-120	
Chloroethane	5.00	5.73	114	2	30	63-120	
Chloroform	5.00	5.77	110	2	30	80-120	
Chloromethane	5.00	7.09	136	3	30	80-120	FH
cis-1,2-Dichloroethene	5.00	6.75	106	4	30	80-122	
cis-1,3-Dichloropropene	5.00	4.84	97	1	30	67-121	
Dibromochloromethane	5.00	5.83	116	1	30	64-138	
Ethylbenzene	5.00	5.48	109	0	30	80-120	
Methyl tert-butyl ether	5.00	4.87	97	1	30	69-120	
Methylene Chloride	5.00	5.42	108	1	30	80-120	
Styrene	5.00	5.35	107	1	30	80-120	
Tetrachloroethene	5.00	12.0	113	3	30	80-120	
Toluene	5.00	5.52	110	1	30	80-120	
trans-1,2-Dichloroethene	5.00	5.31	106	3	30	80-122	
trans-1,3-Dichloropropene	5.00	5.60	112	0	30	61-129	
Trichloroethene	5.00	6.44	103	2	30	80-120	
Vinyl chloride	5.00	6.52	130	3	30	60-125	FH
Xylenes, Total	15.0	16.8	112	2	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1

SDG No.:

Lab File ID: HM27X05.D Lab Sample ID: MB 410-357851/6

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

Instrument ID: 19094 Date Analyzed: 03/27/2023 20:26

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 410-357851/4	HM27X03.D	03/27/2023 19:45
GD-QC1-0/1-2	410-119839-14	HM27X06.D	03/27/2023 20:47
HD-COD-SW-6-0/1-0	410-119839-1	HM27X10.D	03/27/2023 22:12
HD-COD-SW-7-0/1-0	410-119839-2	HM27X11.D	03/27/2023 22:33
HD-COD-SW-8-0/1-0	410-119839-3	HM27X12.D	03/27/2023 22:54
HD-COD-SW-9-0/1-0	410-119839-4	HM27X13.D	03/27/2023 23:14
HD-COD-SW-13-0/1-0	410-119839-5	HM27X14.D	03/27/2023 23:35
HD-COD-SW-15-0/1-0	410-119839-6	HM27X15.D	03/27/2023 23:55
HD-COD-SW-15-0/1-0 MS MS	410-119839-6 MS	HM27X16.D	03/28/2023 00:16
HD-COD-SW-15-0/1-0 MSD MSD	410-119839-6 MSD	HM27X17.D	03/28/2023 00:37
HD-COD-SW-16-0/1-0	410-119839-7	HM27X19.D	03/28/2023 01:18
HD-COD-SW-17-0/1-0	410-119839-8	HM27X20.D	03/28/2023 01:39
HD-COD-SW-26-0/1-0	410-119839-9	HM27X21.D	03/28/2023 01:59
HD-COD-SW-27-0/1-0	410-119839-10	HM27X22.D	03/28/2023 02:20
HD-COD-SW-28-0/1-0	410-119839-11	HM27X23.D	03/28/2023 02:41
HD-COD-SW-29-0/1-0	410-119839-12	HM27X24.D	03/28/2023 03:01
GD-QC1-0/1-1	410-119839-13	HM27X25.D	03/28/2023 03:22

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1

SDG No.:

Lab File ID: IM29X05.D Lab Sample ID: MB 410-358849/6

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

Instrument ID: 19930 Date Analyzed: 03/29/2023 21:07

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 410-358849/4	IM29X03.D	03/29/2023 20:27
HD-COD-SW-17-0/1-0 DL	410-119839-8 DL	IM29X17.D	03/30/2023 01:09
GD-QC1-0/1-1 DL	410-119839-13 DL	IM29X18.D	03/30/2023 01:30

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1

SDG No.:

Lab File ID: HL11T03.D BFB Injection Date: 07/11/2022

Instrument ID: 19094 BFB Injection Time: 13:17

Analysis Batch No.: 274149

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.2	
75	30.0 - 60.0 % of mass 95	45.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	1.0	(1.2) 1
174	Greater than 50% of mass 95	86.4	
175	5.0 - 9.0 % of mass 174	6.4	(7.4) 1
176	95.0 - 101.0 % of mass 174	83.6	(96.8) 1
177	5.0 - 9.0 % of mass 176	5.9	(7.0) 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 410-274149/12	HL11X12.D	07/11/2022	16:51
	ICIS 410-274149/13	HL11X13.D	07/11/2022	17:11
	IC 410-274149/14	HL11X14.D	07/11/2022	17:31
	IC 410-274149/15	HL11X15.D	07/11/2022	17:51
	IC 410-274149/16	HL11X16.D	07/11/2022	18:11
	IC 410-274149/17	HL11X17.D	07/11/2022	18:32
	IC 410-274149/18	Copy_HL11X18.D	07/11/2022	18:52

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1

SDG No.:

Lab File ID: copy_HL14T01.D BFB Injection Date: 07/14/2022

Instrument ID: 19094 BFB Injection Time: 19:09

Analysis Batch No.: 275687

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.2	
75	30.0 - 60.0 % of mass 95	45.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	1.0	(1.3) 1
174	Greater than 50% of mass 95	80.0	
175	5.0 - 9.0 % of mass 174	6.3	(7.9) 1
176	95.0 - 101.0 % of mass 174	78.2	(97.7) 1
177	5.0 - 9.0 % of mass 176	4.9	(6.2) 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
	ICV 410-275687/4	copy_HL14X03.D	07/14/2022	20:04

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1

SDG No.:

Lab File ID: HM27T01.D BFB Injection Date: 03/27/2023

Instrument ID: 19094 BFB Injection Time: 18:49

Analysis Batch No.: 357851

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.1	
75	30.0 - 60.0 % of mass 95	46.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	1.1	(1.3) 1
174	Greater than 50% of mass 95	87.9	
175	5.0 - 9.0 % of mass 174	7.0	(8.0) 1
176	95.0 - 101.0 % of mass 174	85.7	(97.4) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.3) 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 410-357851/3	HM27X02.D	03/27/2023	19:24
	LCS 410-357851/4	HM27X03.D	03/27/2023	19:45
	MB 410-357851/6	HM27X05.D	03/27/2023	20:26
GD-QC1-0/1-2	410-119839-14	HM27X06.D	03/27/2023	20:47
HD-COD-SW-6-0/1-0	410-119839-1	HM27X10.D	03/27/2023	22:12
HD-COD-SW-7-0/1-0	410-119839-2	HM27X11.D	03/27/2023	22:33
HD-COD-SW-8-0/1-0	410-119839-3	HM27X12.D	03/27/2023	22:54
HD-COD-SW-9-0/1-0	410-119839-4	HM27X13.D	03/27/2023	23:14
HD-COD-SW-13-0/1-0	410-119839-5	HM27X14.D	03/27/2023	23:35
HD-COD-SW-15-0/1-0	410-119839-6	HM27X15.D	03/27/2023	23:55
HD-COD-SW-15-0/1-0 MS MS	410-119839-6 MS	HM27X16.D	03/28/2023	0:16
HD-COD-SW-15-0/1-0 MSD MSD	410-119839-6 MSD	HM27X17.D	03/28/2023	0:37
HD-COD-SW-16-0/1-0	410-119839-7	HM27X19.D	03/28/2023	1:18
HD-COD-SW-17-0/1-0	410-119839-8	HM27X20.D	03/28/2023	1:39
HD-COD-SW-26-0/1-0	410-119839-9	HM27X21.D	03/28/2023	1:59
HD-COD-SW-27-0/1-0	410-119839-10	HM27X22.D	03/28/2023	2:20
HD-COD-SW-28-0/1-0	410-119839-11	HM27X23.D	03/28/2023	2:41
HD-COD-SW-29-0/1-0	410-119839-12	HM27X24.D	03/28/2023	3:01
GD-QC1-0/1-1	410-119839-13	HM27X25.D	03/28/2023	3:22

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1

SDG No.:

Lab File ID: IM21T01.D BFB Injection Date: 03/21/2023

Instrument ID: 19930 BFB Injection Time: 00:26

Analysis Batch No.: 355532

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.4	
75	30.0 - 60.0 % of mass 95	51.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	1.5	(1.6) 1
174	Greater than 50% of mass 95	97.3	
175	5.0 - 9.0 % of mass 174	7.5	(7.8) 1
176	95.0 - 101.0 % of mass 174	95.7	(98.4) 1
177	5.0 - 9.0 % of mass 176	6.4	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-355532/3	IM21X02.D	03/21/2023	1:00
	IC 410-355532/4	IM21X03.D	03/21/2023	1:20
	IC 410-355532/5	IM21X04.D	03/21/2023	1:40
	IC 410-355532/6	IM21X05.D	03/21/2023	2:00
	IC 410-355532/7	IM21X06.D	03/21/2023	2:20
	IC 410-355532/8	IM21X07.D	03/21/2023	2:41
	IC 410-355532/9	IM21X08.D	03/21/2023	3:01
	IC 410-355532/12	IM21X11.D	03/21/2023	4:01
	ICIS 410-355532/13	IM21X12.D	03/21/2023	4:22
	IC 410-355532/14	IM21X13.D	03/21/2023	4:42
	IC 410-355532/15	IM21X14.D	03/21/2023	5:02
	IC 410-355532/16	IM21X15.D	03/21/2023	5:22
	IC 410-355532/17	IM21X16.D	03/21/2023	5:42
	IC 410-355532/18	IM21X17.D	03/21/2023	6:02
	ICV 410-355532/19	IM21X18.D	03/21/2023	6:23

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1

SDG No.:

Lab File ID: IM29T01.D BFB Injection Date: 03/29/2023

Instrument ID: 19930 BFB Injection Time: 19:34

Analysis Batch No.: 358849

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.2	
75	30.0 - 60.0 % of mass 95	51.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	1.4	(1.4) 1
174	Greater than 50% of mass 95	103.0	
175	5.0 - 9.0 % of mass 174	7.9	(7.6) 1
176	95.0 - 101.0 % of mass 174	101.9	(98.9) 1
177	5.0 - 9.0 % of mass 176	7.0	(6.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-358849/3	IM29X02.D	03/29/2023	20:06
	LCS 410-358849/4	IM29X03.D	03/29/2023	20:27
	MB 410-358849/6	IM29X05.D	03/29/2023	21:07
HD-COD-SW-17-0/1-0 DL	410-119839-8 DL	IM29X17.D	03/30/2023	1:09
GD-QC1-0/1-1 DL	410-119839-13 DL	IM29X18.D	03/30/2023	1:30

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1

SDG No.:

Sample No.: ICIS 410-274149/13 Date Analyzed: 07/11/2022 17:11

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

Lab File ID (Standard): HL11X13.D Heated Purge: (Y/N) N

Calibration ID: 40553

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		101370	4.12	2081655	7.63	1866823	11.13
UPPER LIMIT		202740	4.62	4163310	8.13	3733646	11.63
LOWER LIMIT		50685	3.62	1040828	7.13	933412	10.63
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-275687/4		96858	4.13	2450189	7.63	1821571	11.13
CCVIS 410-357851/3		109083	4.16	2133930	7.64	1783759	11.12

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.: 410-119839-1

SDG No.:

Sample No.: ICIS 410-274149/13 Date Analyzed: 07/11/2022 17:11

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

Lab File ID (Standard): HL11X13.D Heated Purge: (Y/N) N

Calibration ID: 40553

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		1051287	13.02				
UPPER LIMIT		2102574	13.52				
LOWER LIMIT		525644	12.52				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-275687/4		981185	13.02				
CCVIS 410-357851/3		1114006	13.00				

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.: 410-119839-1

SDG No.:

Sample No.: CCVIS 410-357851/3 Date Analyzed: 03/27/2023 19:24

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

Lab File ID (Standard): HM27X02.D Heated Purge: (Y/N) N

Calibration ID: 40553

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		109083	4.16	2133930	7.64	1783759	11.12
UPPER LIMIT		218166	4.66	4267860	8.14	3567518	11.62
LOWER LIMIT		54542	3.66	1066965	7.14	891880	10.62
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-357851/4		121165	4.17	2355362	7.65	1939843	11.13
MB 410-357851/6		121767	4.19	2209000	7.65	1837012	11.13
410-119839-14	GD-QC1-0/1-2	122001	4.16	2258892	7.65	1903637	11.13
410-119839-1	HD-COD-SW-6-0/1-0	111234	4.16	2157121	7.65	1816939	11.13
410-119839-2	HD-COD-SW-7-0/1-0	100812	4.17	2172632	7.65	1836914	11.13
410-119839-3	HD-COD-SW-8-0/1-0	102945	4.20	2043241	7.65	1719068	11.13
410-119839-4	HD-COD-SW-9-0/1-0	105825	4.17	2166656	7.65	1824388	11.13
410-119839-5	HD-COD-SW-13-0/1-0	111311	4.18	2202137	7.65	1853796	11.13
410-119839-6	HD-COD-SW-15-0/1-0	109368	4.17	2205784	7.65	1845676	11.13
410-119839-6 MS	HD-COD-SW-15-0/1-0 MS MS	101048	4.18	2336543	7.65	1949586	11.13
410-119839-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	116952	4.16	2456524	7.65	2036430	11.13
410-119839-7	HD-COD-SW-16-0/1-0	105787	4.17	2243369	7.65	1885479	11.13
410-119839-8	HD-COD-SW-17-0/1-0	116199	4.18	2298211	7.65	1970273	11.13
410-119839-9	HD-COD-SW-26-0/1-0	119709	4.18	2221863	7.65	1896304	11.13
410-119839-10	HD-COD-SW-27-0/1-0	98226	4.17	2044564	7.64	1733526	11.13
410-119839-11	HD-COD-SW-28-0/1-0	110678	4.19	2173952	7.65	1833943	11.13
410-119839-12	HD-COD-SW-29-0/1-0	105190	4.17	2223975	7.65	1870286	11.12
410-119839-13	GD-QC1-0/1-1	114002	4.16	2151722	7.65	1868375	11.12

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.: 410-119839-1

SDG No.:

Sample No.: CCVIS 410-357851/3 Date Analyzed: 03/27/2023 19:24

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

Lab File ID (Standard): HM27X02.D Heated Purge: (Y/N) N

Calibration ID: 40553

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		1114006	13.00				
UPPER LIMIT		2228012	13.50				
LOWER LIMIT		557003	12.50				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-357851/4		1149592	13.00				
MB 410-357851/6		1016641	13.00				
410-119839-14	GD-QC1-0/1-2	1065118	13.00				
410-119839-1	HD-COD-SW-6-0/1-0	1000308	13.00				
410-119839-2	HD-COD-SW-7-0/1-0	1006486	13.00				
410-119839-3	HD-COD-SW-8-0/1-0	959113	13.00				
410-119839-4	HD-COD-SW-9-0/1-0	1021061	13.00				
410-119839-5	HD-COD-SW-13-0/1-0	1012034	13.00				
410-119839-6	HD-COD-SW-15-0/1-0	1021522	13.00				
410-119839-6 MS	HD-COD-SW-15-0/1-0 MS MS	1162921	13.00				
410-119839-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	1206599	13.00				
410-119839-7	HD-COD-SW-16-0/1-0	1040916	13.00				
410-119839-8	HD-COD-SW-17-0/1-0	1072311	13.00				
410-119839-9	HD-COD-SW-26-0/1-0	1052242	13.00				
410-119839-10	HD-COD-SW-27-0/1-0	959370	13.00				
410-119839-11	HD-COD-SW-28-0/1-0	1028274	13.00				
410-119839-12	HD-COD-SW-29-0/1-0	1029535	13.00				
410-119839-13	GD-QC1-0/1-1	1019155	13.00				

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.: 410-119839-1

SDG No.:

Sample No.: ICIS 410-355532/13 Date Analyzed: 03/21/2023 04:22

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

Lab File ID (Standard): IM21X12.D Heated Purge: (Y/N) N

Calibration ID: 48558

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		120956	4.14	2381761	7.57	1886594	11.06
UPPER LIMIT		241912	4.64	4763522	8.07	3773188	11.56
LOWER LIMIT		60478	3.64	1190881	7.07	943297	10.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-355532/19		119620	4.17	2351747	7.57	1855345	11.06
CCVIS 410-358849/3		140021	4.10	2241688	7.57	1830303	11.06
MB 410-358849/6		136272	4.14	2183599	7.57	1733343	11.06

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.: 410-119839-1

SDG No.:

Sample No.: ICIS 410-355532/13 Date Analyzed: 03/21/2023 04:22

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

Lab File ID (Standard): IM21X12.D Heated Purge: (Y/N) N

Calibration ID: 48558

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		1169233	12.94				
UPPER LIMIT		2338466	13.44				
LOWER LIMIT		584617	12.44				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-355532/19		1161321	12.94				
CCVIS 410-358849/3		1174863	12.94				
MB 410-358849/6		1098392	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.: 410-119839-1

SDG No.:

Sample No.: CCVIS 410-358849/3 Date Analyzed: 03/29/2023 20:06

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

Lab File ID (Standard): IM29X02.D Heated Purge: (Y/N) N

Calibration ID: 48558

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		140021	4.10	2241688	7.57	1830303	11.06
UPPER LIMIT		280042	4.60	4483376	8.07	3660606	11.56
LOWER LIMIT		70011	3.60	1120844	7.07	915152	10.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-358849/4		122462	4.14	2277553	7.57	1819479	11.06
MB 410-358849/6		136272	4.14	2183599	7.57	1733343	11.06
410-119839-8 DL	HD-COD-SW-17-0/1-0 DL	135811	4.13	2110920	7.57	1693059	11.06
410-119839-13 DL	GD-QC1-0/1-1 DL	150469	4.11	2100219	7.57	1688292	11.06

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.: 410-119839-1

SDG No.:

Sample No.: CCVIS 410-358849/3 Date Analyzed: 03/29/2023 20:06

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

Lab File ID (Standard): IM29X02.D Heated Purge: (Y/N) N

Calibration ID: 48558

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		1174863	12.94				
UPPER LIMIT		2349726	13.44				
LOWER LIMIT		587432	12.44				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-358849/4		1153917	12.94				
MB 410-358849/6		1098392	12.94				
410-119839-8 DL	HD-COD-SW-17-0/1-0 DL	1048499	12.95				
410-119839-13 DL	GD-QC1-0/1-1 DL	1058048	12.94				

DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-6-0/1-0
Lab Sample ID: 410-119839-1

Matrix: Water
Lab File ID: HM27X10.D

Analysis Method: 8260D
Date Collected: 03/22/2023 11:05

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 22:12

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.: 357851
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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.4	J	5.0	1.0
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	^c cn	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	0.18	J ^c cn	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	0.10
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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-6-0/1-0
Lab Sample ID: 410-119839-1

Matrix: Water
Lab File ID: HM27X10.D

Analysis Method: 8260D
Date Collected: 03/22/2023 11:05

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 22:12

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.: 357851
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	0.091	J	0.50	0.080
75-01-4	Vinyl chloride	ND	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X10.D
Lims ID: 410-119839-A-1
Client ID: HD-COD-SW-6-0/1-0
Sample Type: Client
Inject. Date: 27-Mar-2023 22:12:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-011
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2023 11:17:06 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1628

First Level Reviewer: innoonk Date: 28-Mar-2023 11:17:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.123	2.111	0.012	96	14824	0.1791	
7 Vinyl chloride	62		2.227				ND	
9 Bromomethane	94		2.556				ND	
10 Chloroethane	64		2.629				ND	
18 1,1-Dichloroethene	96		3.489				ND	
19 Acetone	43	3.550	3.513	0.037	75	9855	1.38	
24 Carbon disulfide	76		3.788				ND	7
28 Methylene Chloride	84		4.135				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.160	4.160	0.000	20	111234	50.0	
33 Methyl tert-butyl ether	73		4.550				ND	
34 trans-1,2-Dichloroethene	96		4.562				ND	
37 1,1-Dichloroethane	63		5.220				ND	
42 2-Butanone (MEK)	43		6.007				ND	
43 cis-1,2-Dichloroethene	96	6.043	6.043	0.000	68	5065	0.0740	
49 Chlorobromomethane	128		6.379				ND	
52 Chloroform	83	6.549	6.531	0.018	77	3759	0.0342	
$ 53 Dibromofluoromethane (Surr)	113	6.750	6.744	0.006	94	568845	10.4	
54 1,1,1-Trichloroethane	97		6.763				ND	
57 Carbon tetrachloride	117		6.982				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.208	7.196	0.012	52	103538	10.4	
60 Benzene	78		7.232				ND	7
62 1,2-Dichloroethane	62		7.305				ND	7
* 65 Fluorobenzene (IS)	96	7.647	7.641	0.006	99	2157121	10.0	
69 Trichloroethene	95	8.128	8.122	0.006	96	6488	0.0914	
71 1,2-Dichloropropane	63		8.457				ND	
77 Dichlorobromomethane	83		8.799				ND	
81 cis-1,3-Dichloropropene	75		9.354				ND	
83 4-Methyl-2-pentanone (MIBK)	43		9.524				ND	7
$ 84 Toluene-d8 (Surr)	98	9.665	9.665	0.000	93	2240030	10.1	
85 Toluene	92	9.738	9.738	0.000	97	6610	0.0400	
86 trans-1,3-Dichloropropene	75		10.000				ND	
106 1,1,2-Trichloroethane	97		10.201				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166		10.292				ND	7
109 2-Hexanone	43		10.414				ND	
111 Chlorodibromomethane	129		10.579				ND	
112 Ethylene Dibromide	107		10.695				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.128	11.122	0.006	85	1816939	10.0	
115 Chlorobenzene	112		11.152				ND	
116 1,1,1,2-Tetrachloroethane	131		11.231				ND	
118 Ethylbenzene	91		11.237				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.353				ND	7
120 o-Xylene	106		11.676				ND	7
121 Styrene	104		11.695				ND	
122 Bromoform	173		11.853				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.121	12.121	0.000	91	805323	8.92	
127 1,1,2,2-Tetrachloroethane	83		12.219				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	95	1000308	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

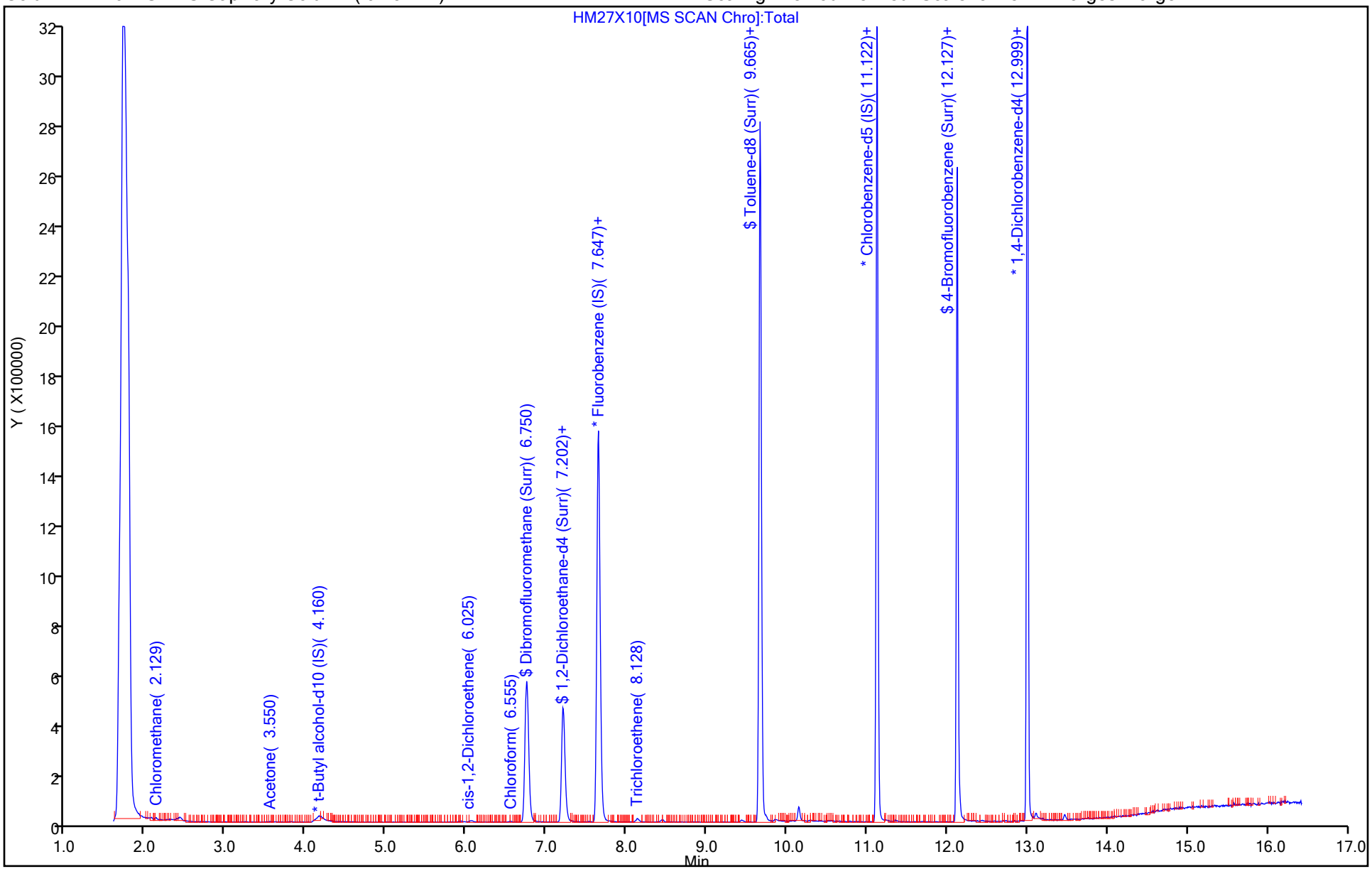
MSV_HP25_ISSS_00066 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 28-Mar-2023 11:17:36 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X10.D				
Injection Date:	27-Mar-2023 22:12:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-119839-A-1	Lab Sample ID:	410-119839-1	Worklist Smp#:	11
Client ID:	HD-COD-SW-6-0/1-0				
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\20230327-79983.b\HM27X10.D				
Lims ID:	410-119839-A-1				
Client ID:	HD-COD-SW-6-0/1-0				
Sample Type:	Client				
Inject. Date:	27-Mar-2023 22:12:30	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-011				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	28-Mar-2023 11:17:06	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1628				

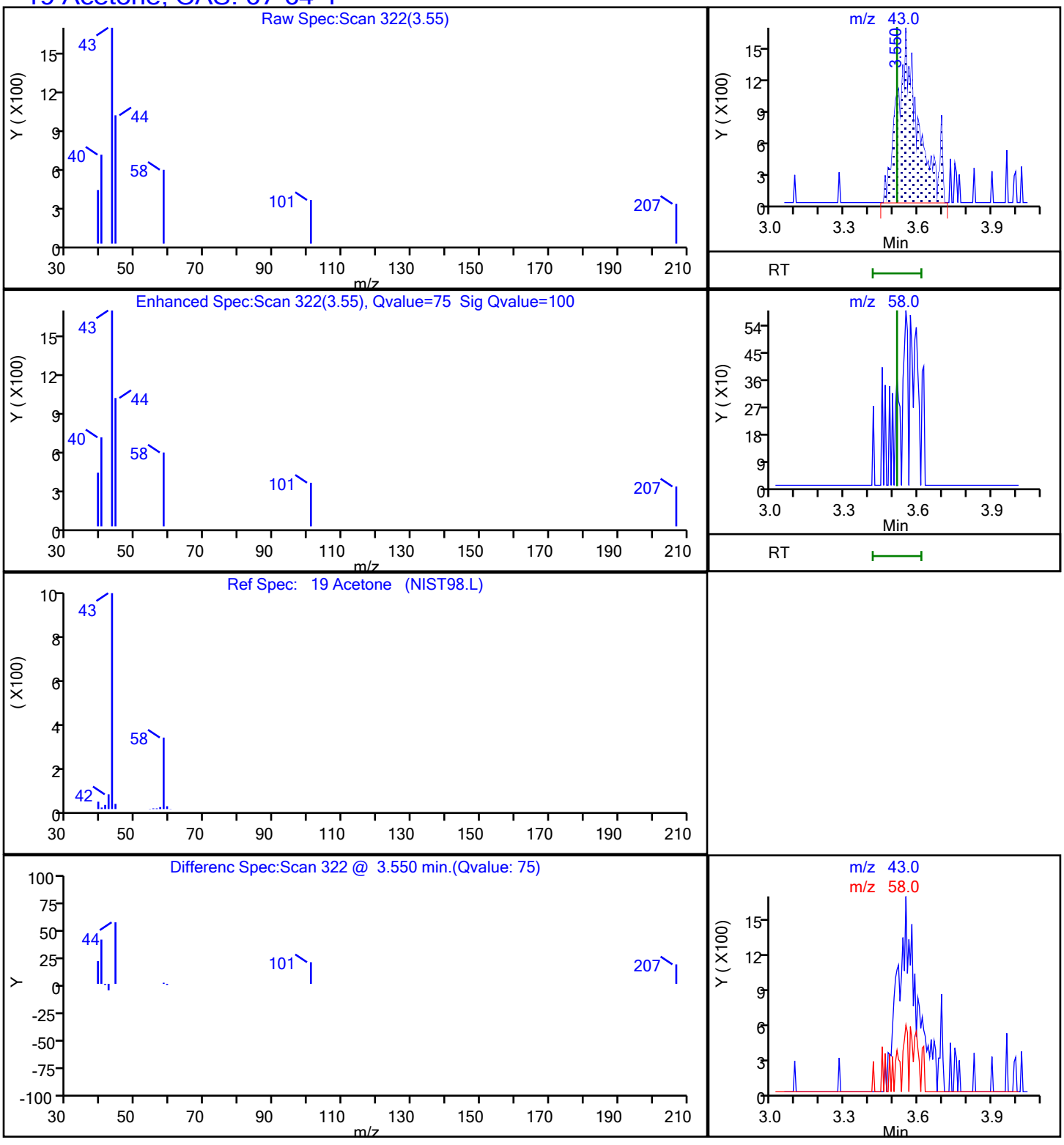
First Level Reviewer: innoonk Date: 28-Mar-2023 11:17:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.4	104.19
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	103.92
$ 84 Toluene-d8 (Surr)	10.0	10.1	100.78
$ 126 4-Bromofluorobenzene (Surr)	10.0	8.92	89.25

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X10.D				
Injection Date:	27-Mar-2023 22:12:30	Instrument ID:	19094		
Lims ID:	410-119839-A-1	Lab Sample ID:	410-119839-1		
Client ID:	HD-COD-SW-6-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	11	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



Report Date: 28-Mar-2023 11:17:36 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X10.D

Injection Date: 27-Mar-2023 22:12:30 Instrument ID: 19094

Lims ID: 410-119839-A-1 Lab Sample ID: 410-119839-1

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

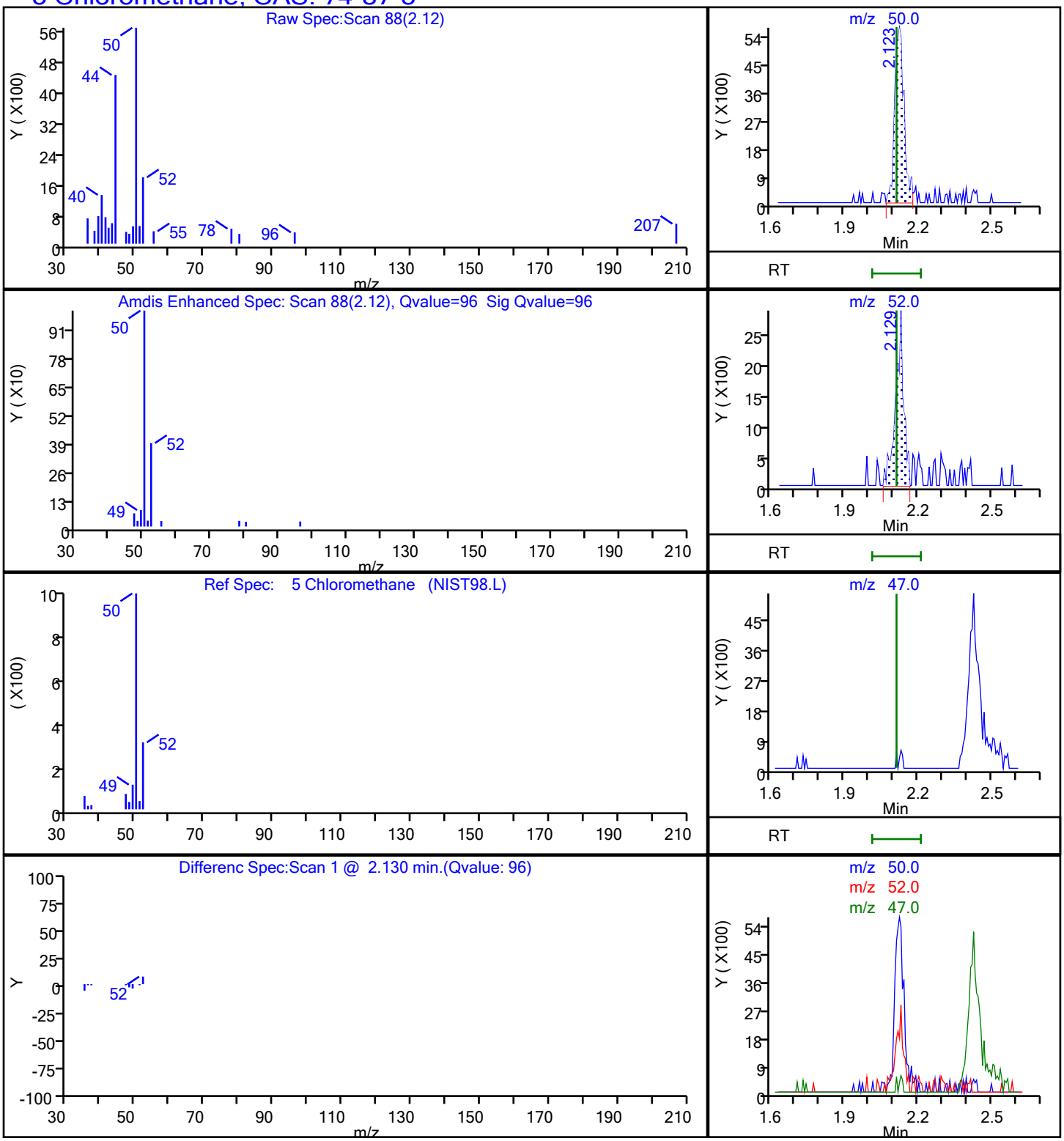
Operator ID: gaw91131 ALS Bottle#: 11 Worklist Smp#: 11

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



Report Date: 28-Mar-2023 11:17:36 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X10.D

Injection Date: 27-Mar-2023 22:12:30 Instrument ID: 19094

Lims ID: 410-119839-A-1 Lab Sample ID: 410-119839-1

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

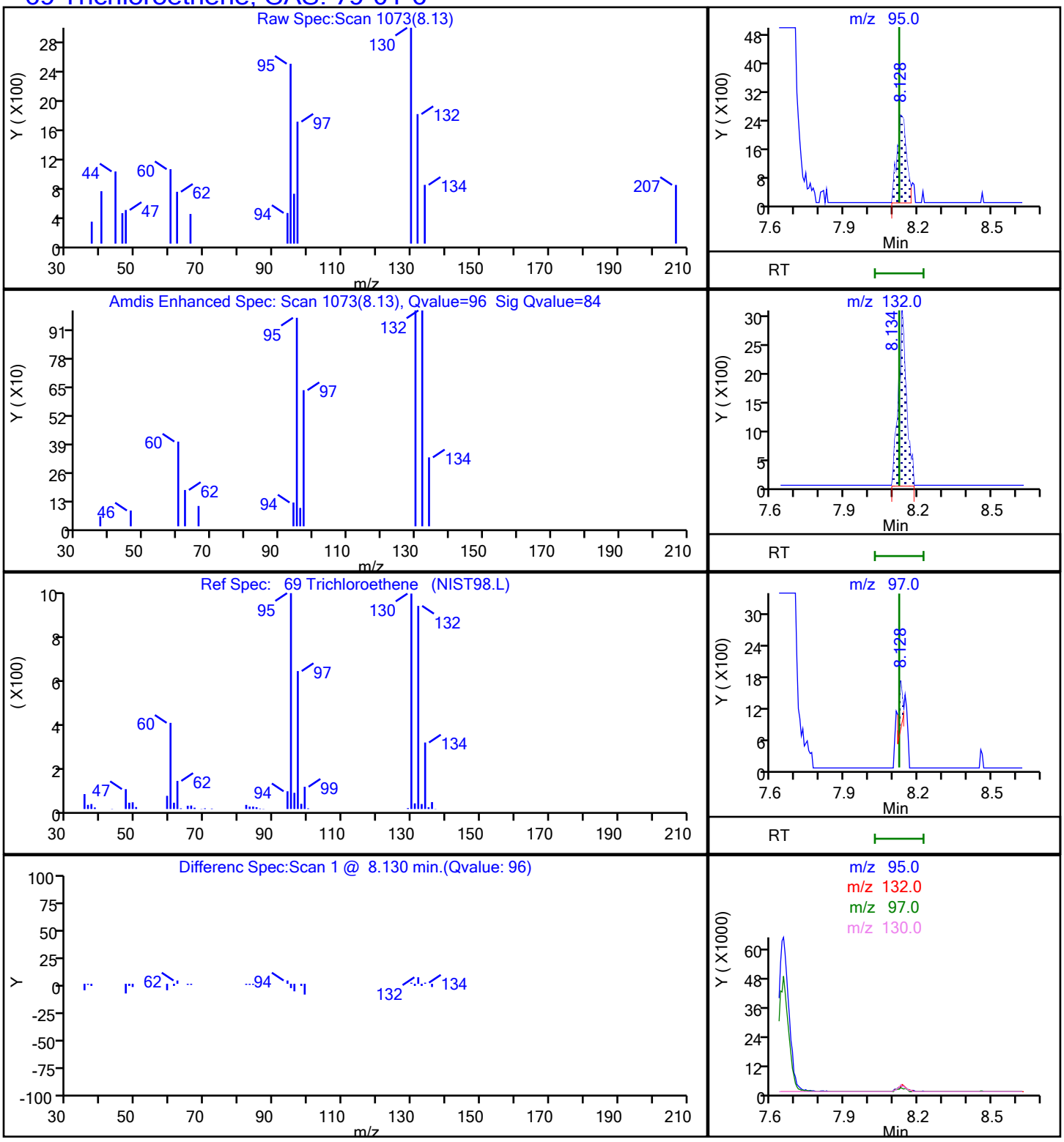
Operator ID: gaw91131 ALS Bottle#: 11 Worklist Smp#: 11

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

69 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-7-0/1-0
Lab Sample ID: 410-119839-2

Matrix: Water
Lab File ID: HM27X11.D

Analysis Method: 8260D
Date Collected: 03/22/2023 12:28

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 22:33

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 357851
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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	2.4	J	5.0	1.0
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	^c cn	1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.11	J	0.50	0.090
74-87-3	Chloromethane	ND	^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.19	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	0.10
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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-7-0/1-0
Lab Sample ID: 410-119839-2

Matrix: Water
Lab File ID: HM27X11.D

Analysis Method: 8260D
Date Collected: 03/22/2023 12:28

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 22:33

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 357851
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	0.24	J	0.50	0.080
75-01-4	Vinyl chloride	ND	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X11.D
Lims ID: 410-119839-A-2
Client ID: HD-COD-SW-7-0/1-0
Sample Type: Client
Inject. Date: 27-Mar-2023 22:33:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-012
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2023 11:19:03 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1628

First Level Reviewer: innoonk Date: 28-Mar-2023 11:19:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.111	2.111	0.000	87	6563	0.0787	
7 Vinyl chloride	62		2.227				ND	7
9 Bromomethane	94		2.556				ND	
10 Chloroethane	64		2.629				ND	
18 1,1-Dichloroethene	96		3.489				ND	
19 Acetone	43	3.538	3.513	0.025	88	15215	2.36	
24 Carbon disulfide	76	3.794	3.788	0.006	98	11819	0.0781	
28 Methylene Chloride	84		4.135				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.165	4.160	0.005	1	100812	50.0	
33 Methyl tert-butyl ether	73		4.550				ND	
34 trans-1,2-Dichloroethene	96		4.562				ND	
37 1,1-Dichloroethane	63		5.220				ND	
42 2-Butanone (MEK)	43		6.007				ND	7
43 cis-1,2-Dichloroethene	96	6.049	6.043	0.006	80	12777	0.1853	
49 Chlorobromomethane	128		6.379				ND	
52 Chloroform	83	6.543	6.531	0.012	89	11658	0.1053	
$ 53 Dibromofluoromethane (Surr)	113	6.744	6.744	0.000	94	579128	10.5	
54 1,1,1-Trichloroethane	97		6.763				ND	
57 Carbon tetrachloride	117		6.982				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.208	7.196	0.012	52	107504	10.7	
60 Benzene	78		7.232				ND	7
62 1,2-Dichloroethane	62		7.305				ND	7
* 65 Fluorobenzene (IS)	96	7.647	7.641	0.006	99	2172632	10.0	
69 Trichloroethene	95	8.134	8.122	0.012	97	16811	0.2351	M
71 1,2-Dichloropropane	63		8.457				ND	
77 Dichlorobromomethane	83		8.799				ND	7
81 cis-1,3-Dichloropropene	75		9.354				ND	
83 4-Methyl-2-pentanone (MIBK)	43		9.524				ND	7
$ 84 Toluene-d8 (Surr)	98	9.664	9.665	-0.001	93	2267185	10.1	
85 Toluene	92	9.744	9.738	0.006	99	9514	0.0570	
86 trans-1,3-Dichloropropene	75		10.000				ND	
106 1,1,2-Trichloroethane	97		10.201				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.286	10.292	-0.006	93	4488	0.0582	M
109 2-Hexanone	43		10.414				ND	7
111 Chlorodibromomethane	129		10.579				ND	7
112 Ethylene Dibromide	107		10.695				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.128	11.122	0.006	85	1836914	10.0	
115 Chlorobenzene	112		11.152				ND	
116 1,1,1,2-Tetrachloroethane	131		11.231				ND	
118 Ethylbenzene	91		11.237				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.353				ND	7
120 o-Xylene	106		11.676				ND	7
121 Styrene	104		11.695				ND	7
122 Bromoform	173		11.853				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.127	12.121	0.006	94	818317	8.97	
127 1,1,2,2-Tetrachloroethane	83		12.219				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	94	1006486	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

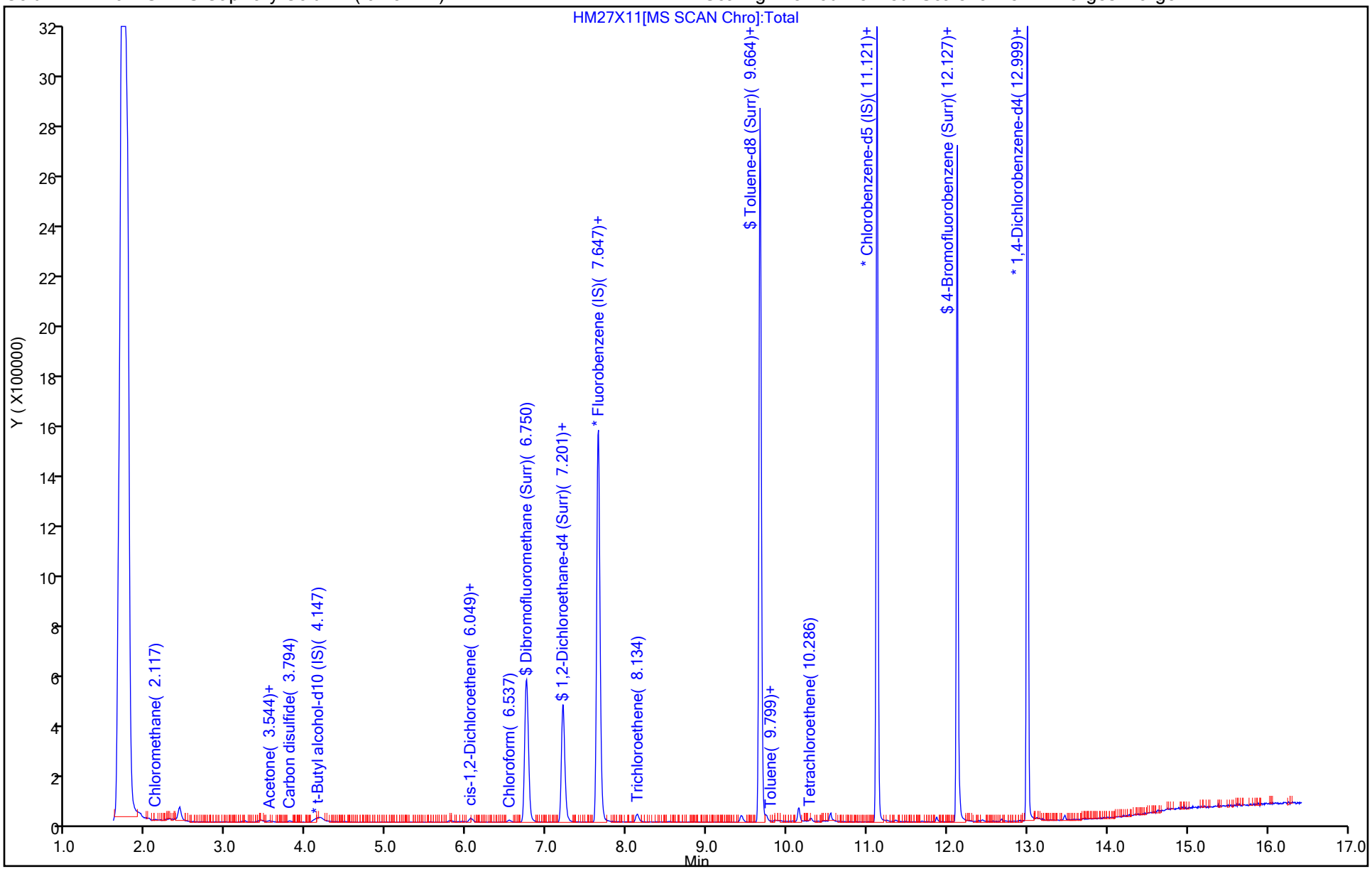
MSV_HP25_ISSS_00066 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 28-Mar-2023 11:19:03 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X11.D				
Injection Date:	27-Mar-2023 22:33:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-119839-A-2	Lab Sample ID:	410-119839-2	Worklist Smp#:	12
Client ID:	HD-COD-SW-7-0/1-0				
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\20230327-79983.b\HM27X11.D				
Lims ID:	410-119839-A-2				
Client ID:	HD-COD-SW-7-0/1-0				
Sample Type:	Client				
Inject. Date:	27-Mar-2023 22:33:30	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-012				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	28-Mar-2023 11:19:03	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1628				

First Level Reviewer: innoonk Date: 28-Mar-2023 11:19:03

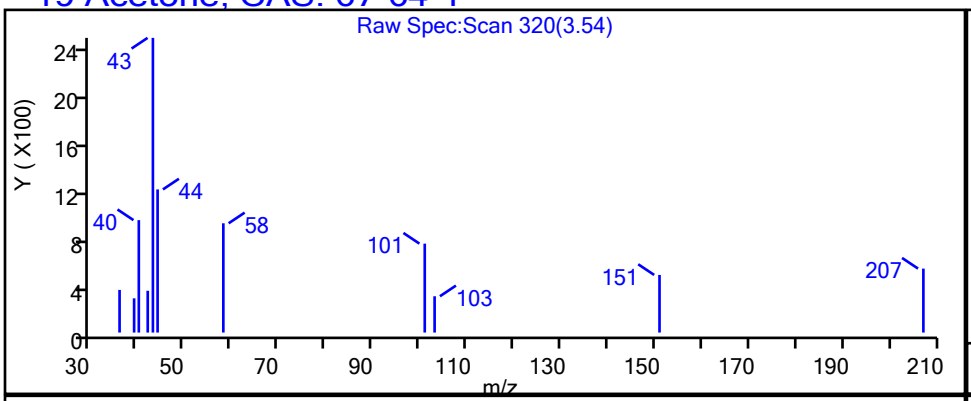
Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.5	105.31
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	107.14
$ 84 Toluene-d8 (Surr)	10.0	10.1	100.89
$ 126 4-Bromofluorobenzene (Surr)	10.0	8.97	89.70

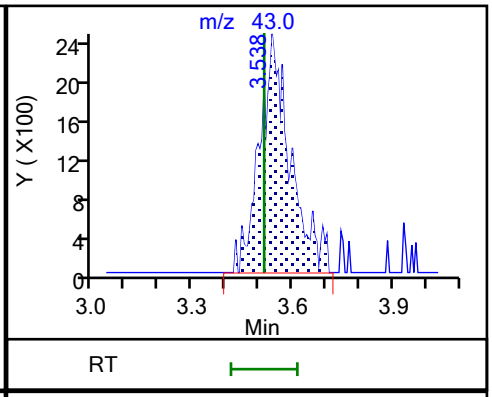
Report Date: 28-Mar-2023 11:19:04 Chrom Revision: 2.3 16-Mar-2023 15:40:40

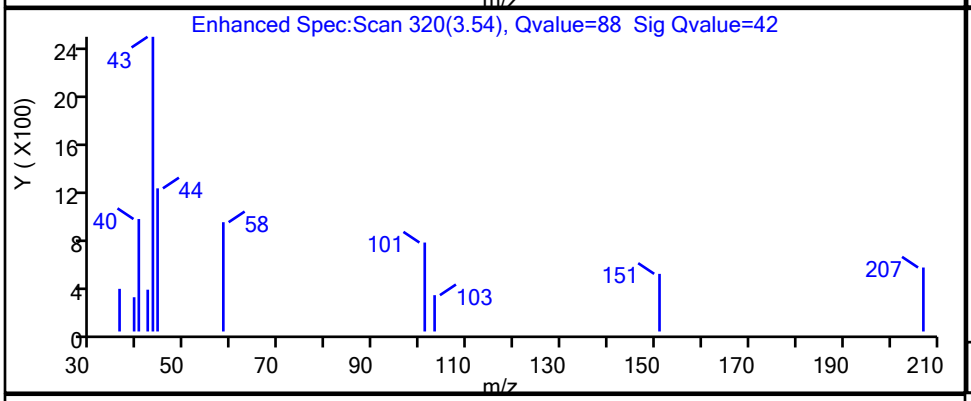
Eurofins Lancaster Laboratories Environment Testing, LLC

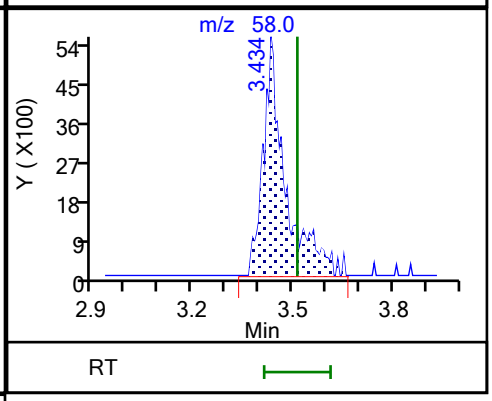
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X11.D				
Injection Date:	27-Mar-2023 22:33:30	Instrument ID:	19094		
Lims ID:	410-119839-A-2	Lab Sample ID:	410-119839-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

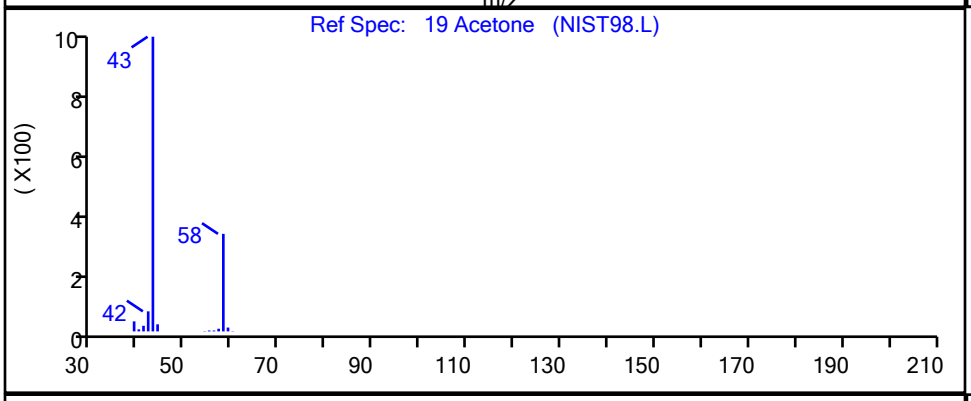
19 Acetone, CAS: 67-64-1

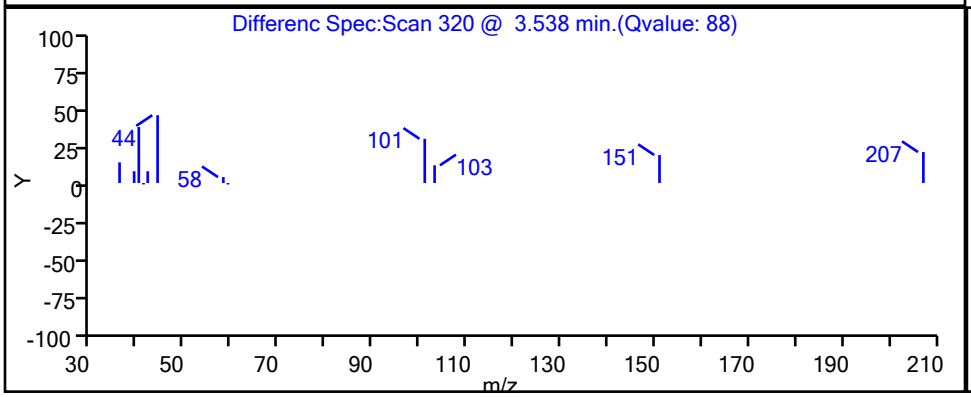


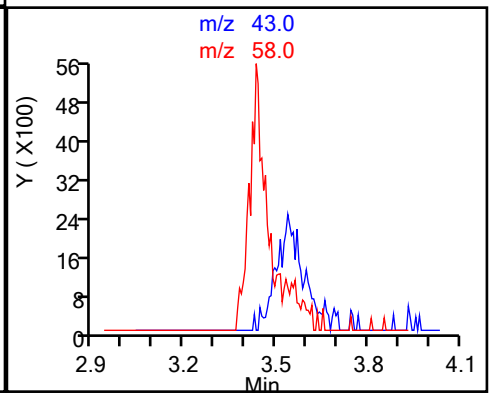








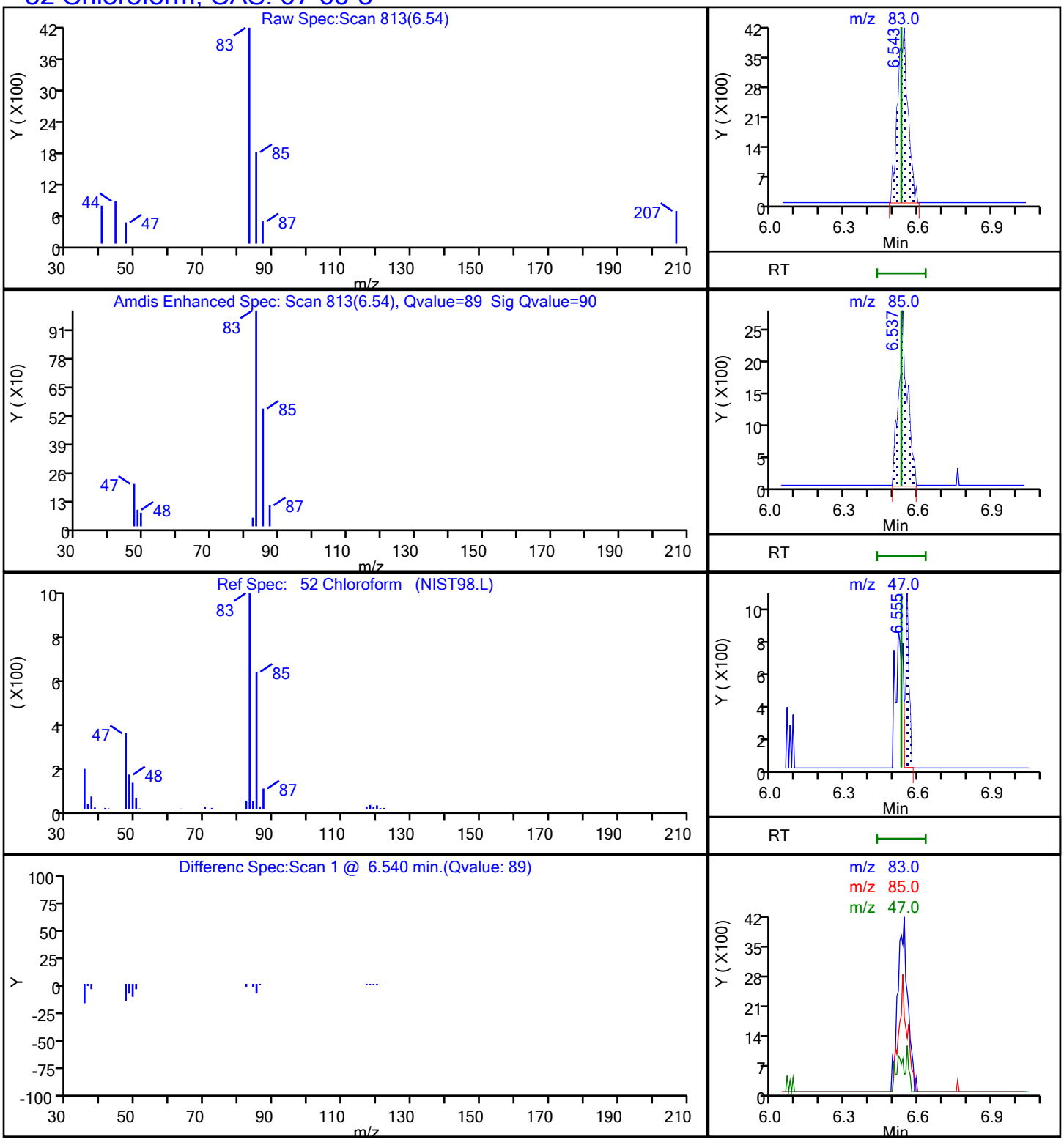




Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X11.D				
Injection Date:	27-Mar-2023 22:33:30	Instrument ID:	19094		
Lims ID:	410-119839-A-2	Lab Sample ID:	410-119839-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	12	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		

52 Chloroform, CAS: 67-66-3

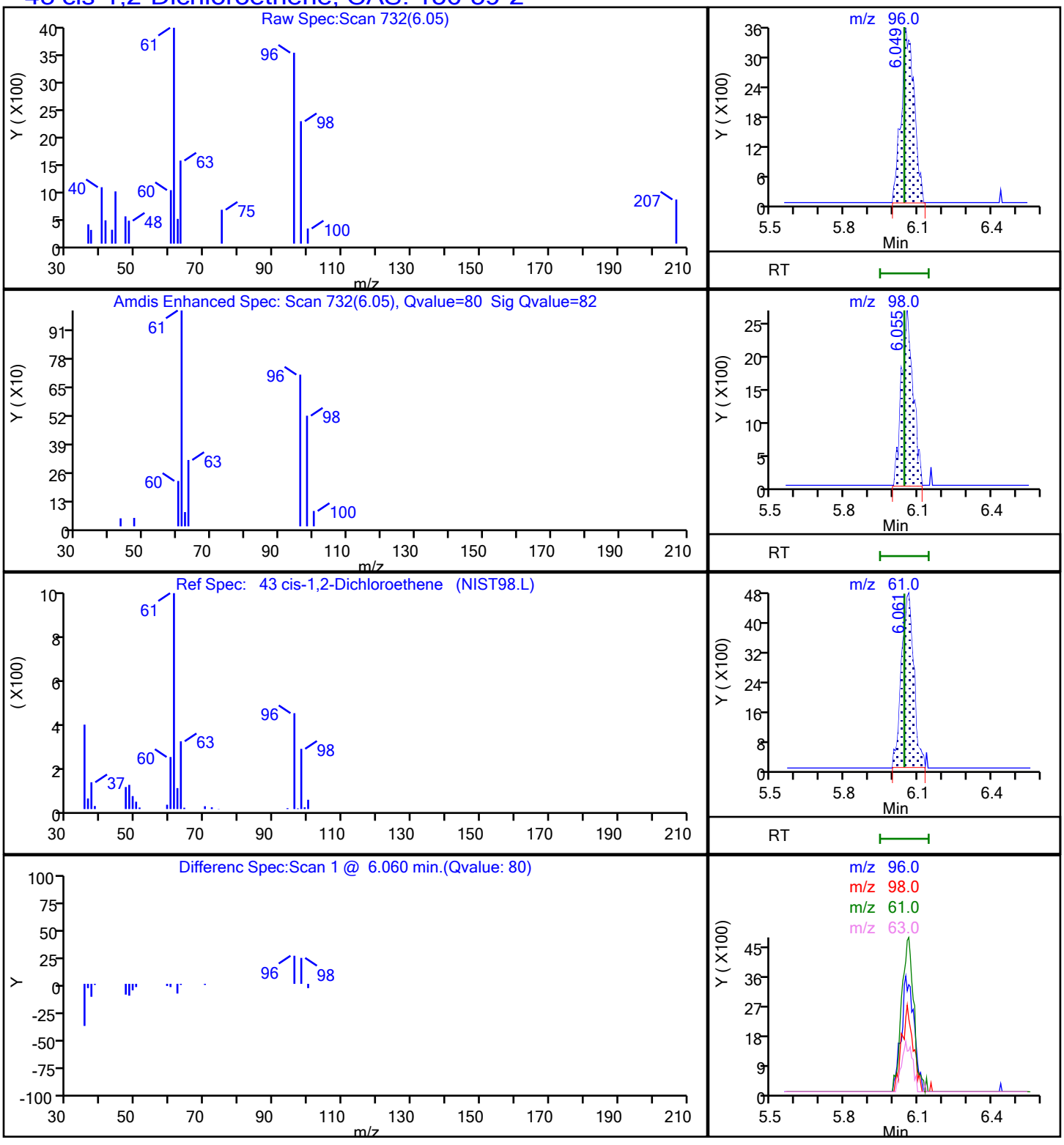


Report Date: 28-Mar-2023 11:19:04 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X11.D				
Injection Date:	27-Mar-2023 22:33:30	Instrument ID:	19094		
Lims ID:	410-119839-A-2	Lab Sample ID:	410-119839-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	12	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		

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



Report Date: 28-Mar-2023 11:19:04 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X11.D

Injection Date: 27-Mar-2023 22:33:30 Instrument ID: 19094

Lims ID: 410-119839-A-2 Lab Sample ID: 410-119839-2

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

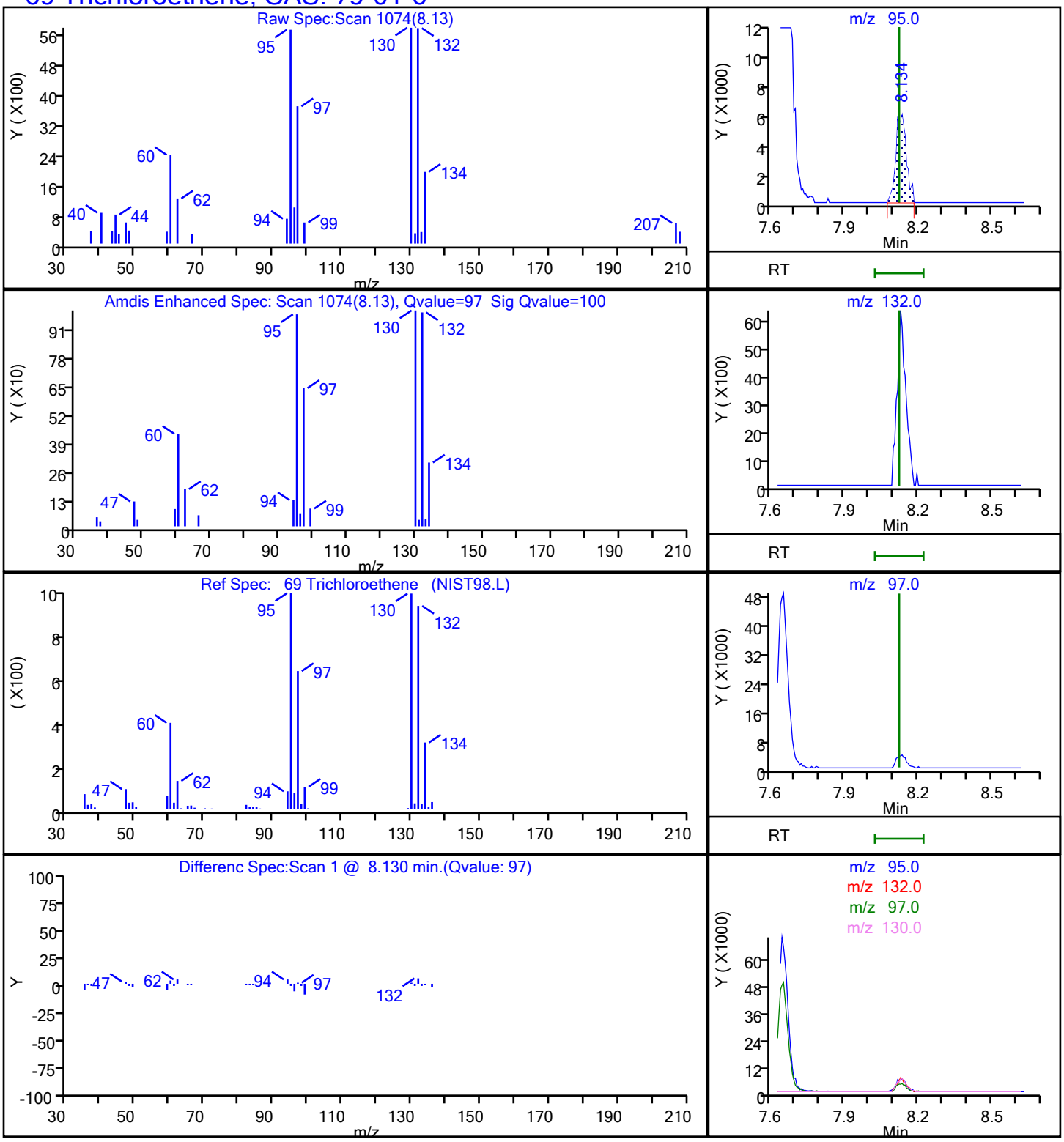
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 12

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

69 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

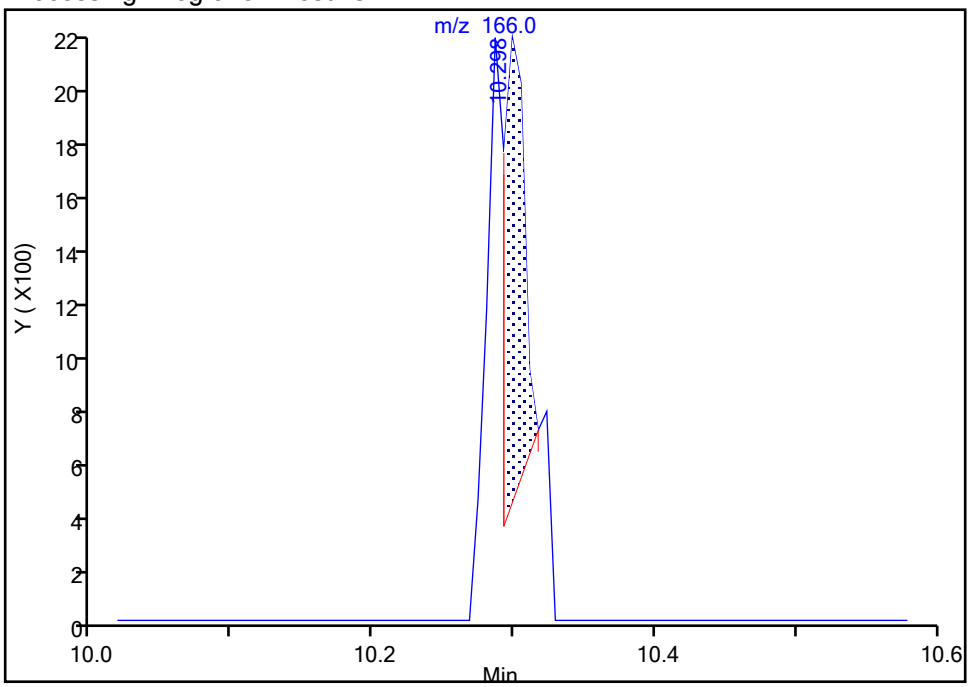
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X11.D				
Injection Date:	27-Mar-2023 22:33:30	Instrument ID:	19094		
Lims ID:	410-119839-A-2	Lab Sample ID:	410-119839-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	25.000 mL	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

Signal: 1

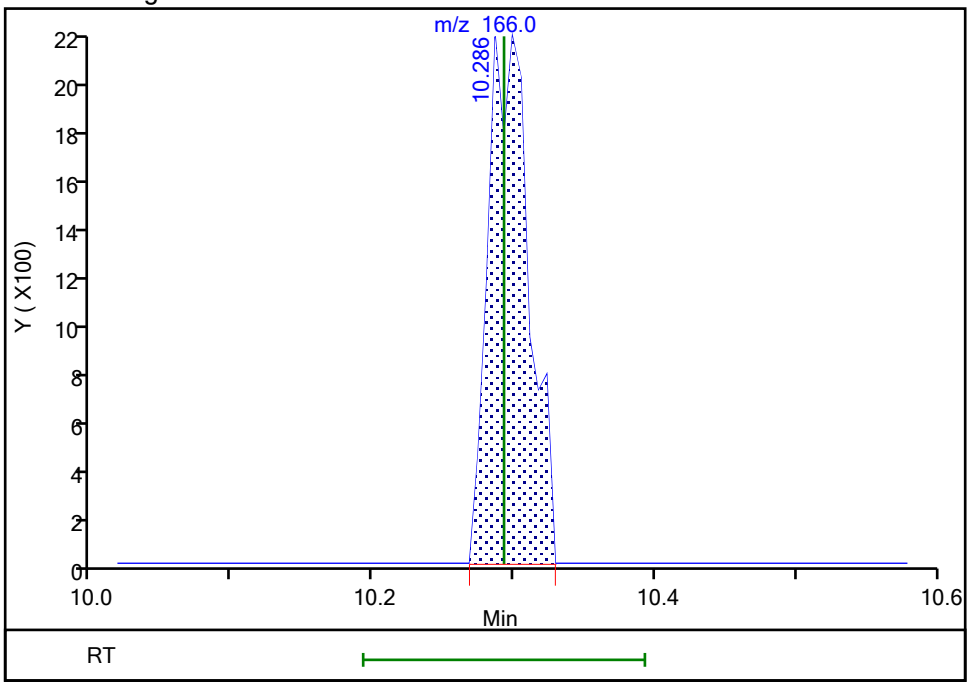
Processing Integration Results

RT: 10.30
Area: 1815
Amount: 0.023545
Amount Units: ug/l



Manual Integration Results

RT: 10.29
Area: 4488
Amount: 0.058220
Amount Units: ug/l



Reviewer: innoonk, 28-Mar-2023 11:18:52

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

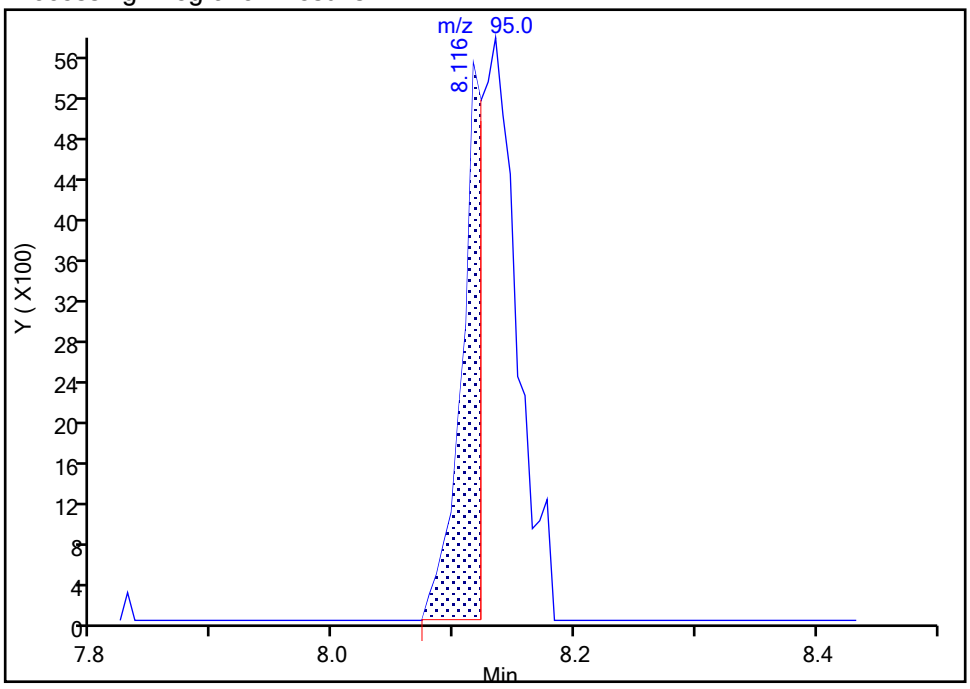
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X11.D				
Injection Date:	27-Mar-2023 22:33:30	Instrument ID:	19094		
Lims ID:	410-119839-A-2	Lab Sample ID:	410-119839-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	25.000 mL	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		

69 Trichloroethene, CAS: 79-01-6

Signal: 1

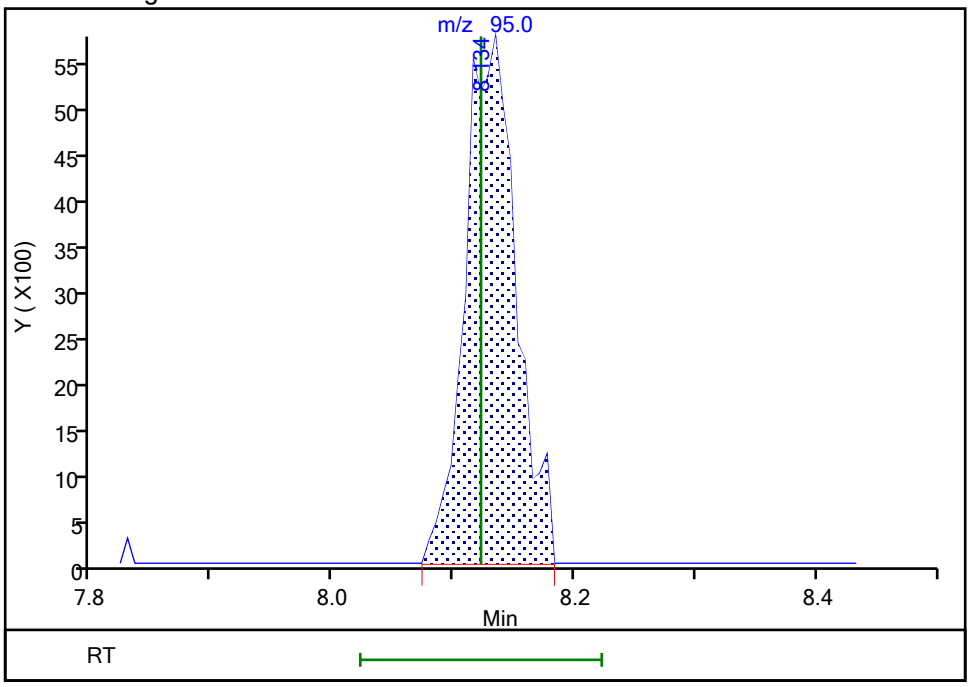
Processing Integration Results

RT: 8.12
Area: 6596
Amount: 0.092230
Amount Units: ug/l



Manual Integration Results

RT: 8.13
Area: 16811
Amount: 0.235063
Amount Units: ug/l



Reviewer: innoonk, 28-Mar-2023 11:18:29

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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-8-0/1-0
Lab Sample ID: 410-119839-3

Matrix: Water
Lab File ID: HM27X12.D

Analysis Method: 8260D
Date Collected: 03/22/2023 09:45

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 22:54

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 357851
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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.7	J	5.0	1.0
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	^c cn	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	^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.26	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	0.10
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.66		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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-8-0/1-0
Lab Sample ID: 410-119839-3

Matrix: Water
Lab File ID: HM27X12.D

Analysis Method: 8260D
Date Collected: 03/22/2023 09:45

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 22:54

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 357851
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	0.29	J	0.50	0.080
75-01-4	Vinyl chloride	ND	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	107		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\20230327-79983.b\HM27X12.D
Lims ID: 410-119839-A-3
Client ID: HD-COD-SW-8-0/1-0
Sample Type: Client
Inject. Date: 27-Mar-2023 22:54:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-013
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2023 11:20:23 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1628

First Level Reviewer: innoonk Date: 28-Mar-2023 11:20:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.123	2.111	0.012	94	6455	0.0823	
7 Vinyl chloride	62		2.227				ND	7
9 Bromomethane	94		2.556				ND	
10 Chloroethane	64		2.629				ND	
18 1,1-Dichloroethene	96		3.489				ND	
19 Acetone	43	3.562	3.513	0.049	66	11290	1.71	
24 Carbon disulfide	76	3.800	3.788	0.012	64	7474	0.0525	M
28 Methylene Chloride	84		4.135				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.196	4.160	0.036	19	102945	50.0	
33 Methyl tert-butyl ether	73		4.550				ND	
34 trans-1,2-Dichloroethene	96		4.562				ND	
37 1,1-Dichloroethane	63		5.220				ND	
42 2-Butanone (MEK)	43		6.007				ND	7
43 cis-1,2-Dichloroethene	96	6.068	6.043	0.025	81	17101	0.2638	
49 Chlorobromomethane	128		6.379				ND	
52 Chloroform	83	6.549	6.531	0.018	91	7656	0.0735	
$ 53 Dibromofluoromethane (Surr)	113	6.756	6.744	0.012	94	555024	10.7	
54 1,1,1-Trichloroethane	97		6.763				ND	U
57 Carbon tetrachloride	117		6.982				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.214	7.196	0.018	52	102852	10.9	
60 Benzene	78		7.232				ND	7
62 1,2-Dichloroethane	62		7.305				ND	7
* 65 Fluorobenzene (IS)	96	7.653	7.641	0.012	99	2043241	10.0	
69 Trichloroethene	95	8.128	8.122	0.006	95	19788	0.2942	M
71 1,2-Dichloropropane	63		8.457				ND	
77 Dichlorobromomethane	83		8.799				ND	7
81 cis-1,3-Dichloropropene	75		9.354				ND	
83 4-Methyl-2-pentanone (MIBK)	43		9.524				ND	7
$ 84 Toluene-d8 (Surr)	98	9.664	9.665	-0.001	93	2187459	10.4	
85 Toluene	92	9.744	9.738	0.006	97	9417	0.0603	
86 trans-1,3-Dichloropropene	75		10.000				ND	
106 1,1,2-Trichloroethane	97		10.201				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.298	10.292	0.006	98	47491	0.6583	
109 2-Hexanone	43		10.414				ND	
111 Chlorodibromomethane	129		10.579				ND	
112 Ethylene Dibromide	107		10.695				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.128	11.122	0.006	85	1719068	10.0	
115 Chlorobenzene	112		11.152				ND	
116 1,1,1,2-Tetrachloroethane	131		11.231				ND	
118 Ethylbenzene	91		11.237				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.353				ND	7
120 o-Xylene	106		11.676				ND	7
121 Styrene	104		11.695				ND	
122 Bromoform	173		11.853				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.121	12.121	0.000	92	767454	8.99	
127 1,1,2,2-Tetrachloroethane	83		12.219				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	95	959113	10.0	

QC Flag Legend

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

Reagents:

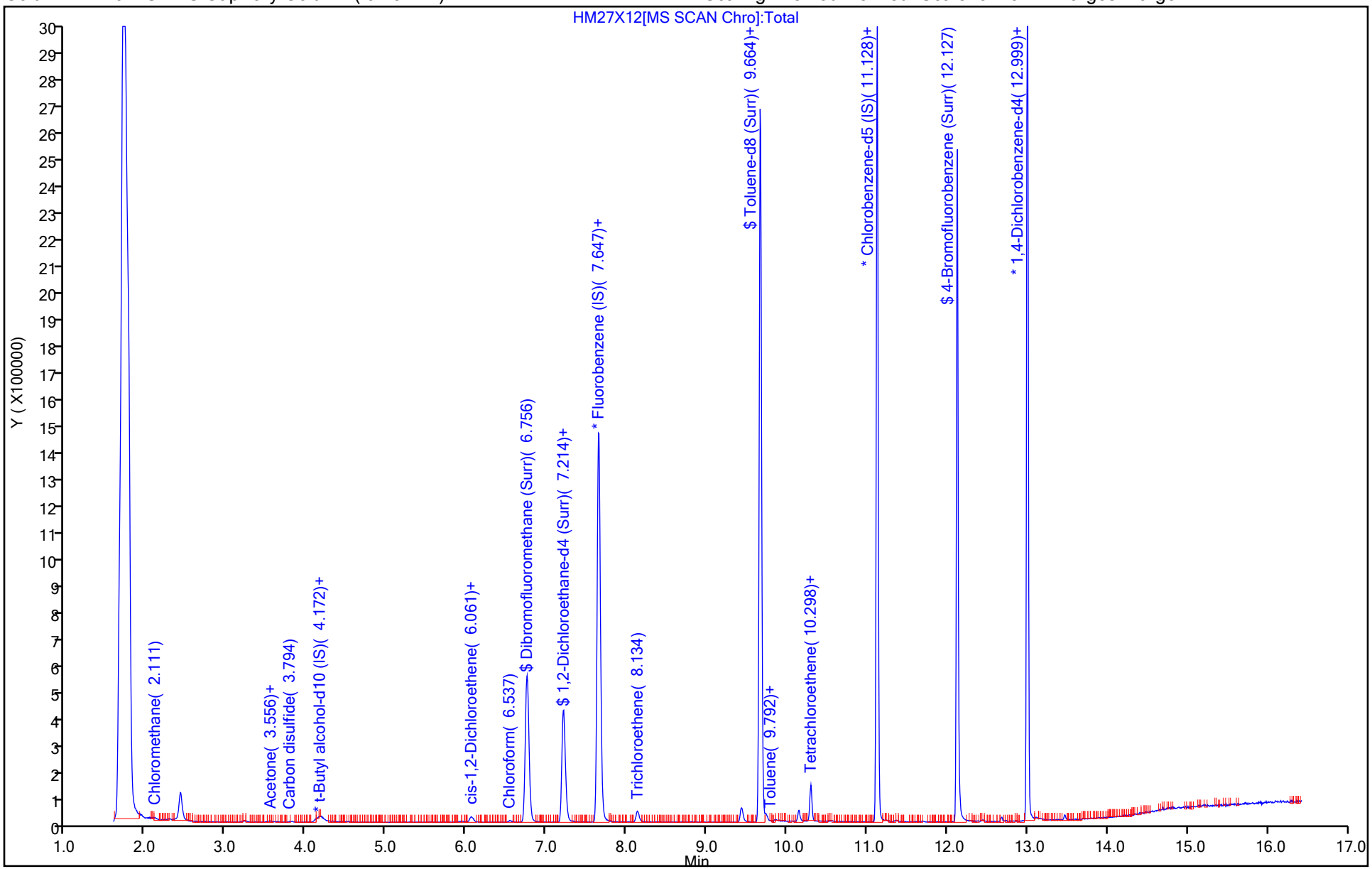
MSV_HP25_ISSS_00066 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 28-Mar-2023 11:20:24 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X12.D				
Injection Date:	27-Mar-2023 22:54:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-119839-A-3	Lab Sample ID:	410-119839-3	Worklist Smp#:	13
Client ID:	HD-COD-SW-8-0/1-0				
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\20230327-79983.b\HM27X12.D				
Lims ID:	410-119839-A-3				
Client ID:	HD-COD-SW-8-0/1-0				
Sample Type:	Client				
Inject. Date:	27-Mar-2023 22:54:30	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-013				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	28-Mar-2023 11:20:23	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1628				

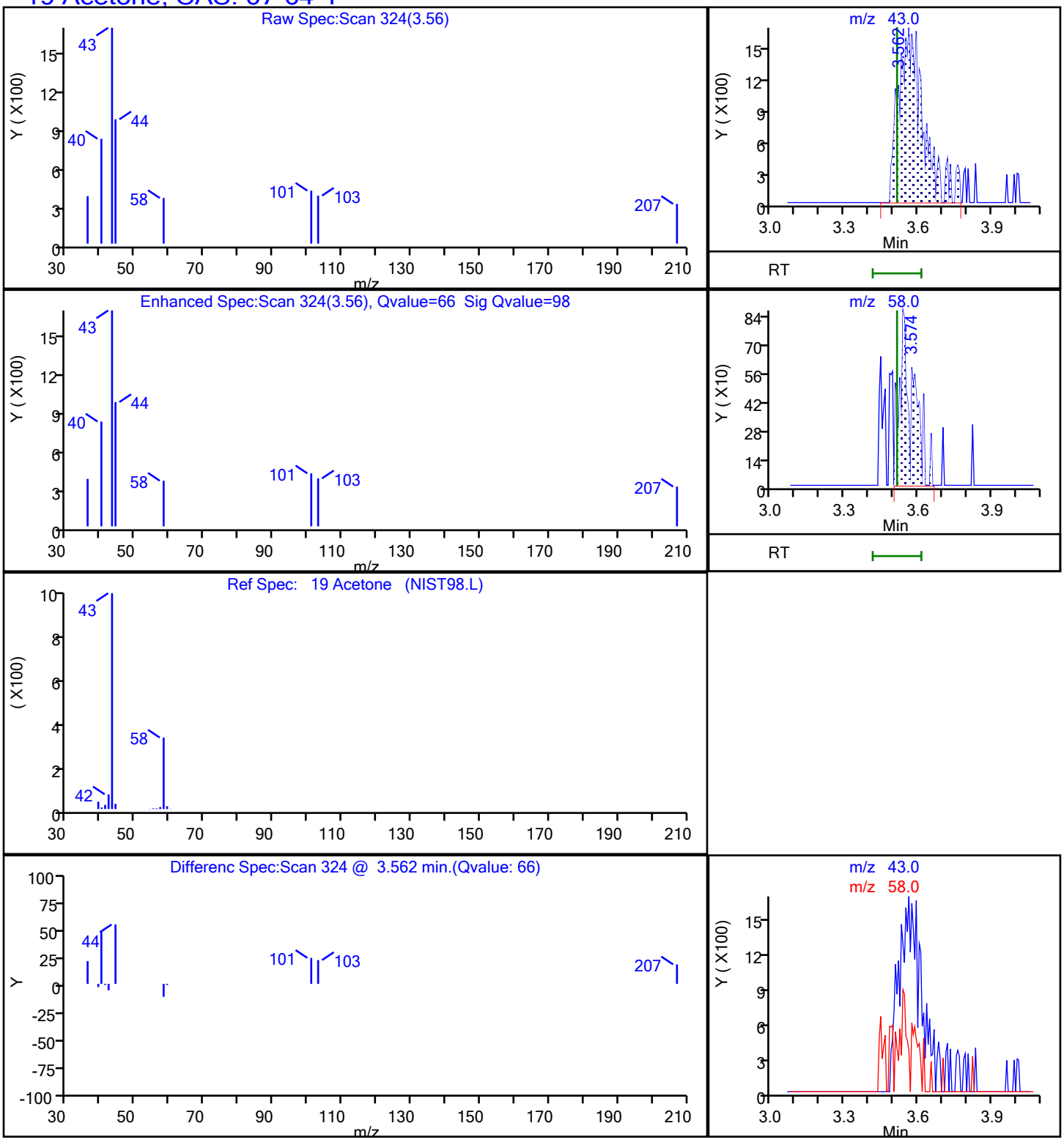
First Level Reviewer: innoonk Date: 28-Mar-2023 11:20:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.7	107.32
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.9	108.99
$ 84 Toluene-d8 (Surr)	10.0	10.4	104.01
$ 126 4-Bromofluorobenzene (Surr)	10.0	8.99	89.89

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X12.D				
Injection Date:	27-Mar-2023 22:54:30	Instrument ID:	19094		
Lims ID:	410-119839-A-3	Lab Sample ID:	410-119839-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	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

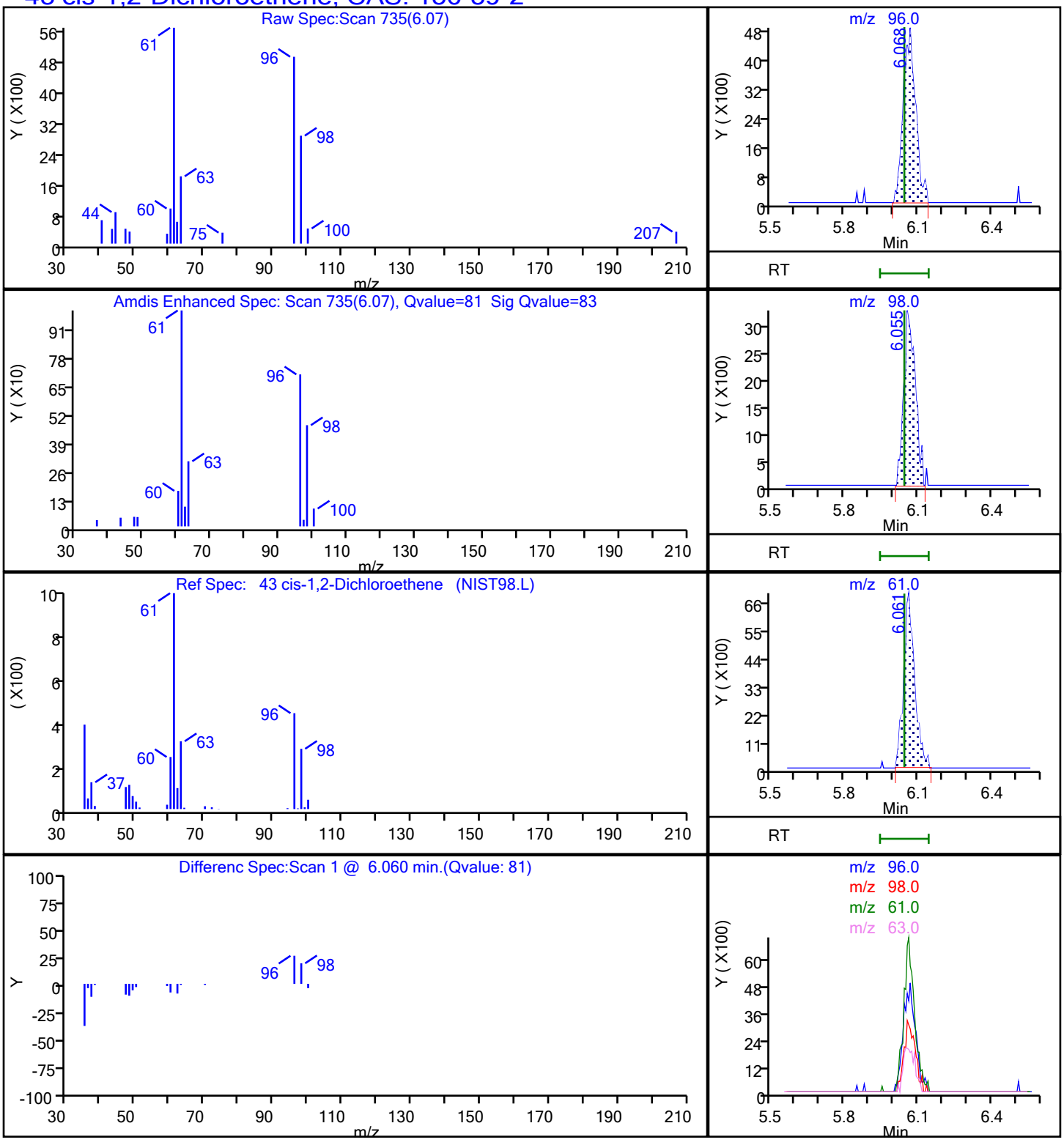


Report Date: 28-Mar-2023 11:20:24 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X12.D				
Injection Date:	27-Mar-2023 22:54:30	Instrument ID:	19094		
Lims ID:	410-119839-A-3	Lab Sample ID:	410-119839-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	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		

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

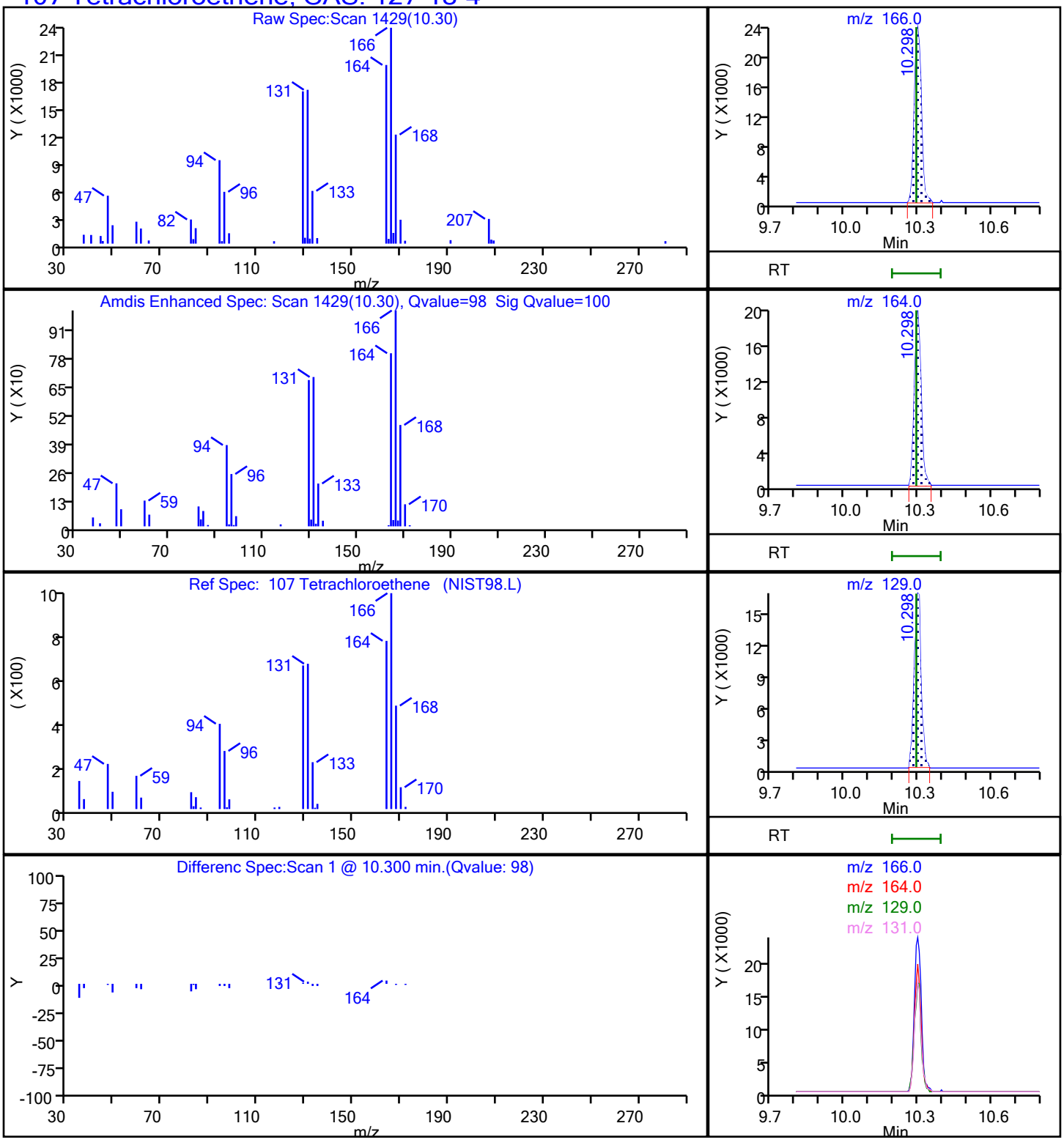


Report Date: 28-Mar-2023 11:20:24 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X12.D				
Injection Date:	27-Mar-2023 22:54:30	Instrument ID:	19094		
Lims ID:	410-119839-A-3	Lab Sample ID:	410-119839-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	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

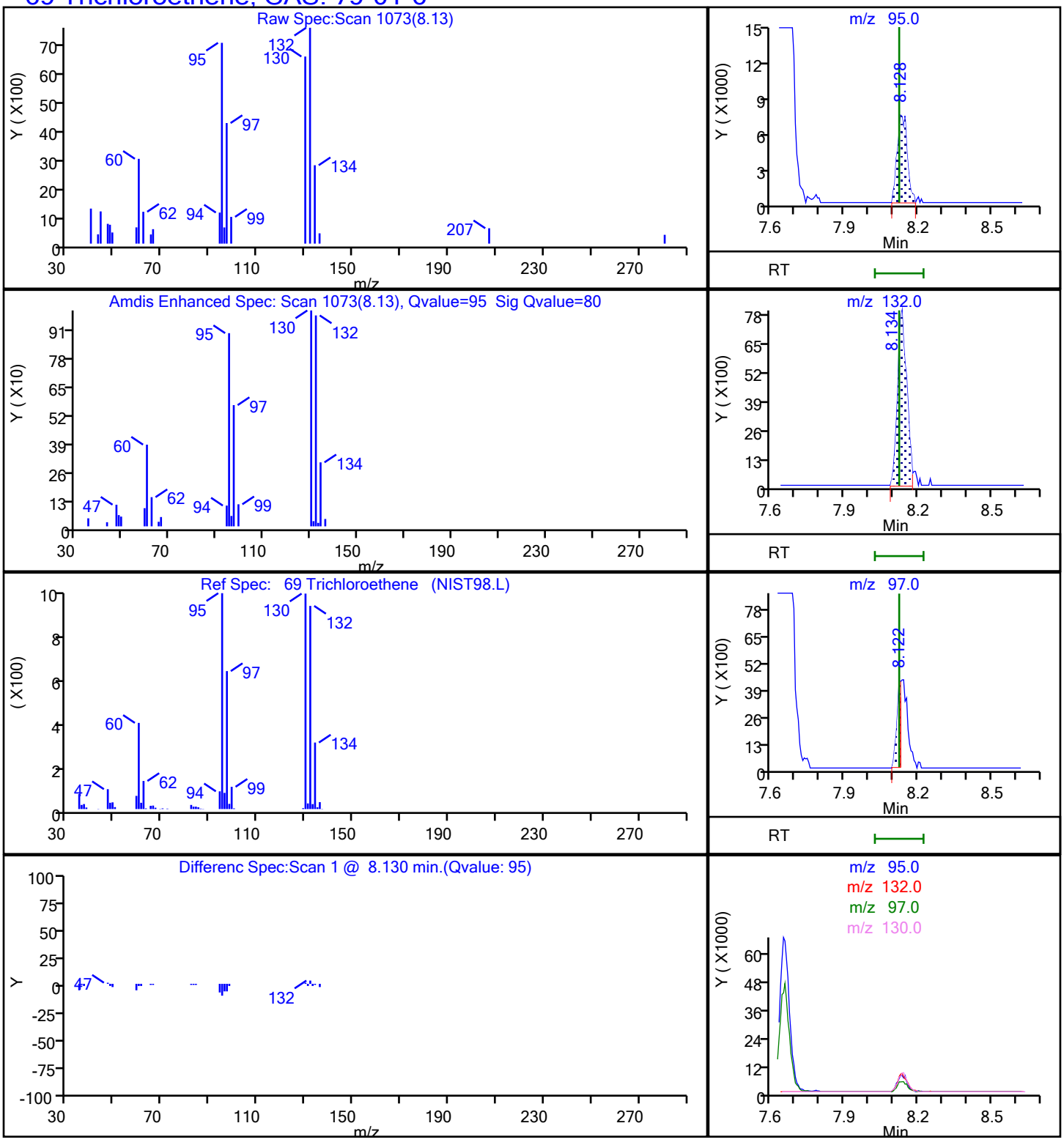


Report Date: 28-Mar-2023 11:20:24 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X12.D				
Injection Date:	27-Mar-2023 22:54:30	Instrument ID:	19094		
Lims ID:	410-119839-A-3	Lab Sample ID:	410-119839-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	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		

69 Trichloroethene, CAS: 79-01-6



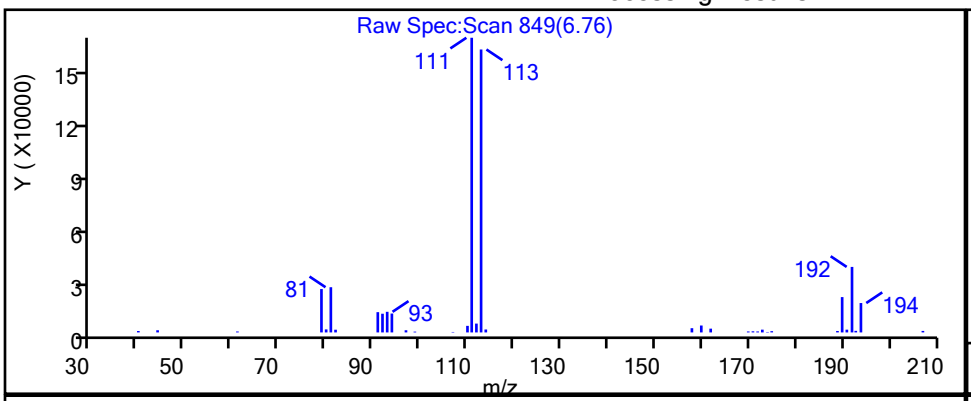
User Disabled Compound Report

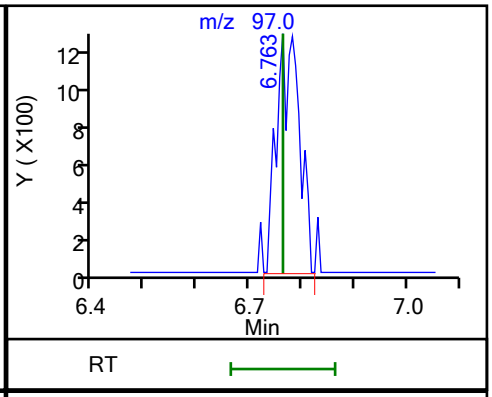
Eurofins Lancaster Laboratories Environment Testing, LLC

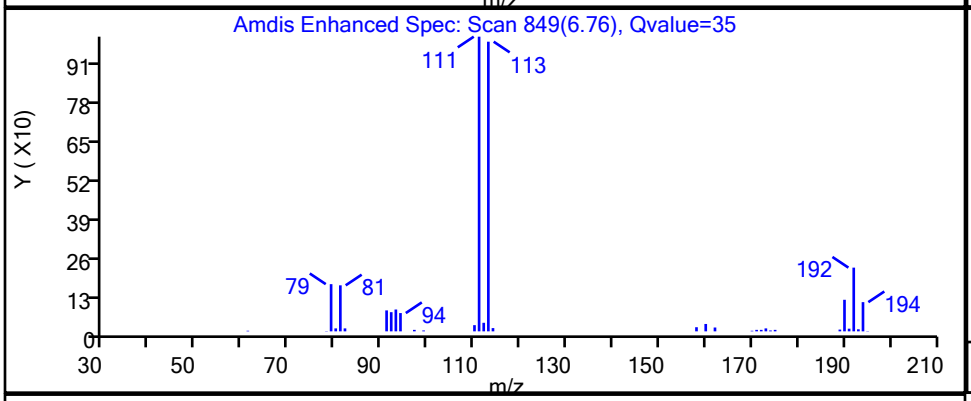
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X12.D				
Injection Date:	27-Mar-2023 22:54:30	Instrument ID:	19094		
Lims ID:	410-119839-A-3	Lab Sample ID:	410-119839-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

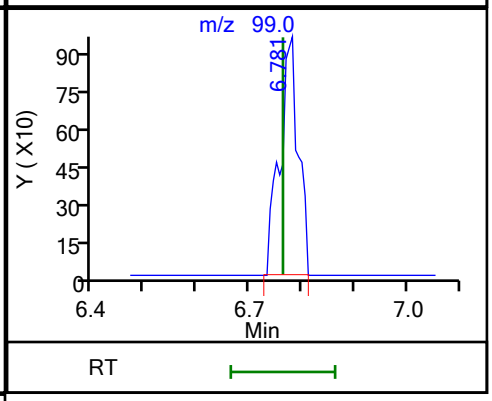
54 1,1,1-Trichloroethane, CAS: 71-55-6

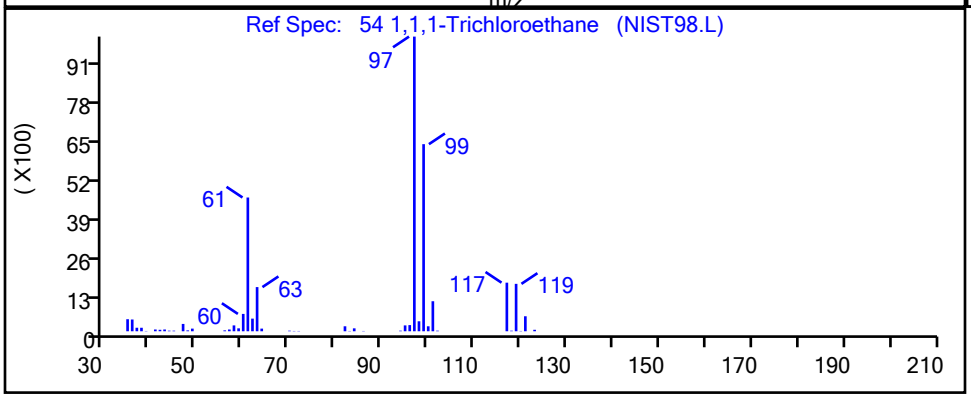
Processing Results











RT	Mass	Response	Amount
6.76	97.00	3727	0.038467
6.78	99.00	2382	

Reviewer: innoonk, 28-Mar-2023 11:19:41

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

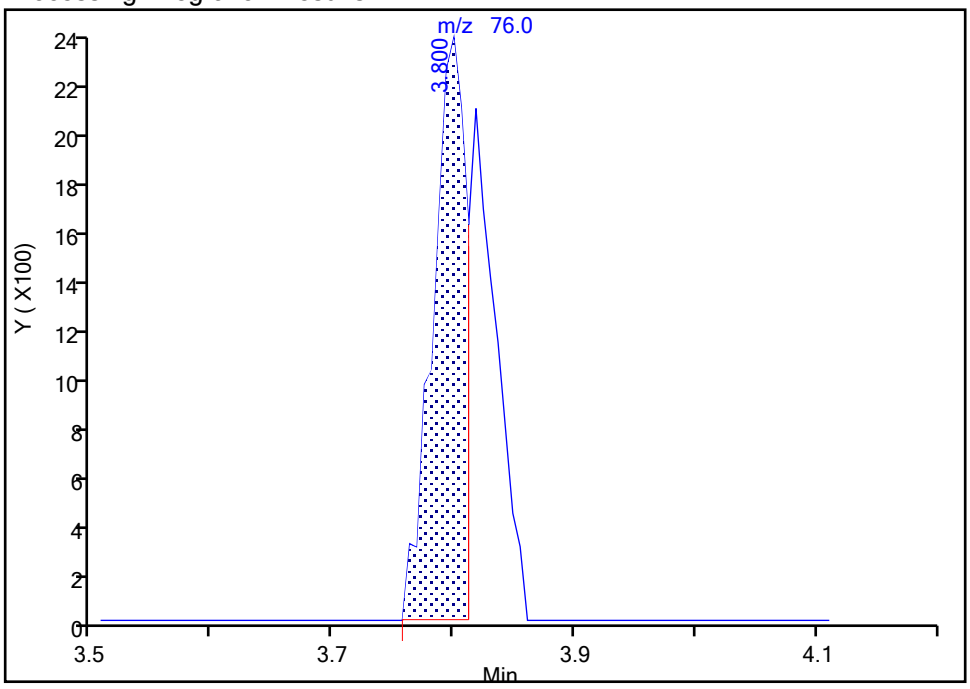
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X12.D				
Injection Date:	27-Mar-2023 22:54:30	Instrument ID:	19094		
Lims ID:	410-119839-A-3	Lab Sample ID:	410-119839-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	25.000 mL	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		

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

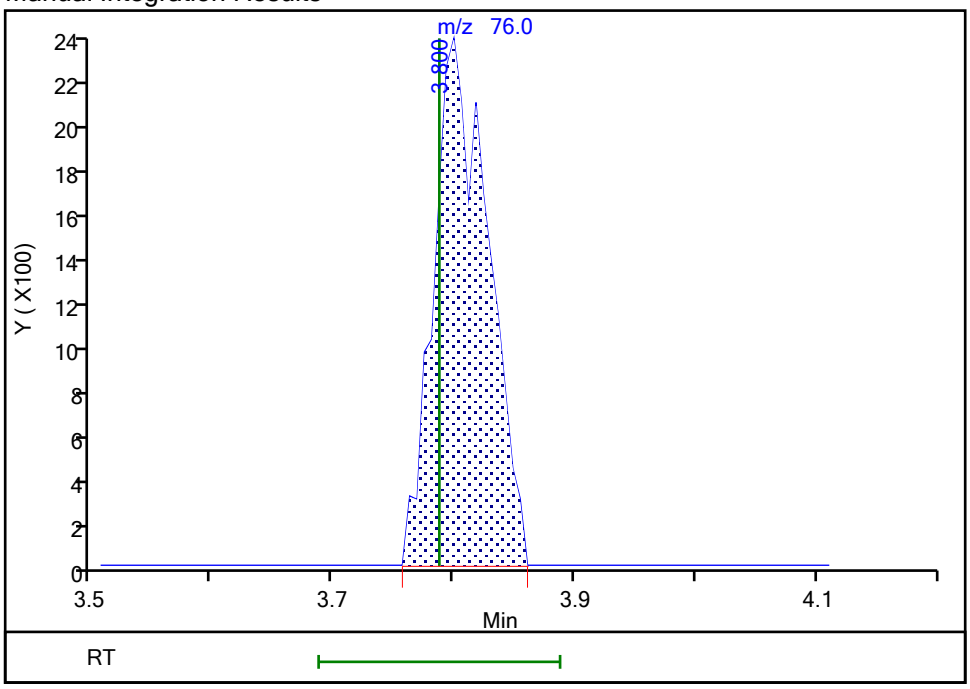
Processing Integration Results

RT: 3.80
Area: 4612
Amount: 0.032423
Amount Units: ug/l



Manual Integration Results

RT: 3.80
Area: 7474
Amount: 0.052543
Amount Units: ug/l



Reviewer: innoonk, 28-Mar-2023 11:19:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

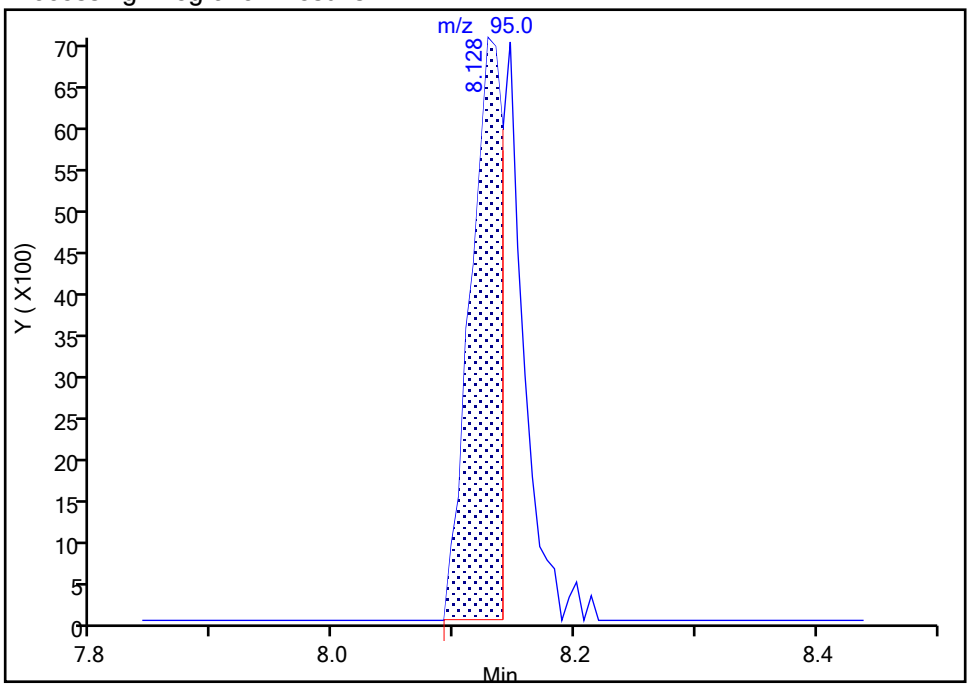
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X12.D				
Injection Date:	27-Mar-2023 22:54:30	Instrument ID:	19094		
Lims ID:	410-119839-A-3	Lab Sample ID:	410-119839-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	25.000 mL	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		

69 Trichloroethene, CAS: 79-01-6

Signal: 1

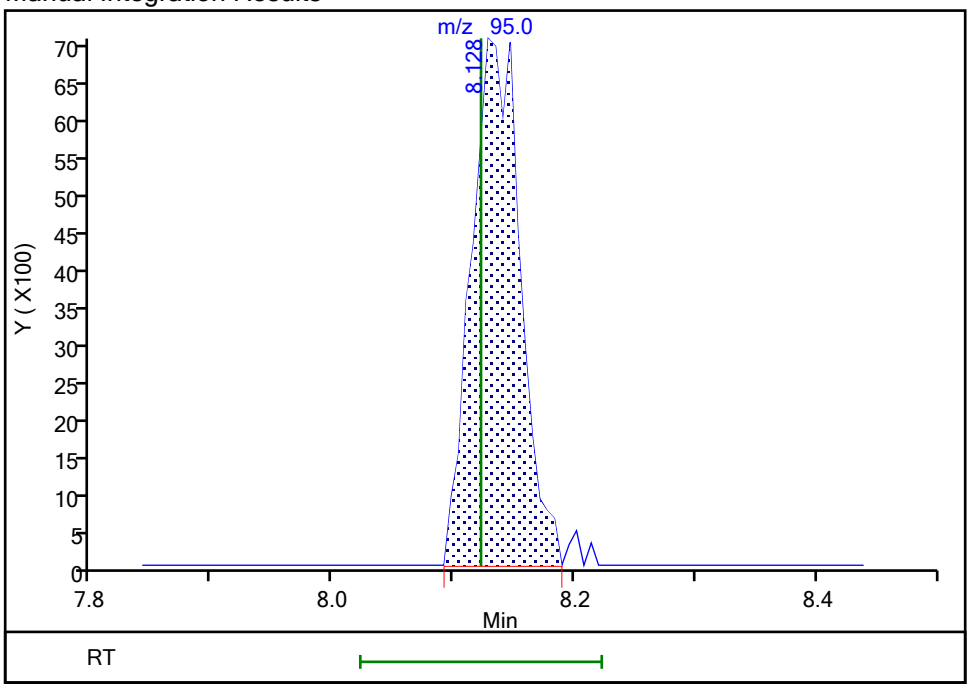
Processing Integration Results

RT: 8.13
Area: 13068
Amount: 0.194297
Amount Units: ug/l



Manual Integration Results

RT: 8.13
Area: 19788
Amount: 0.294211
Amount Units: ug/l



Reviewer: innoonk, 28-Mar-2023 11:20:10
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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-9-0/1-0
Lab Sample ID: 410-119839-4

Matrix: Water
Lab File ID: HM27X13.D

Analysis Method: 8260D
Date Collected: 03/22/2023 13:39

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 23:14

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.: 357851
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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.9	J	5.0	1.0
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	^c cn	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	0.12	J ^c cn	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	0.10
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.30	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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-9-0/1-0
Lab Sample ID: 410-119839-4

Matrix: Water
Lab File ID: HM27X13.D

Analysis Method: 8260D
Date Collected: 03/22/2023 13:39

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 23:14

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.: 357851
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	0.19	J	0.50	0.080
75-01-4	Vinyl chloride	ND	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		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\19094\20230327-79983.b\HM27X13.D
Lims ID: 410-119839-A-4
Client ID: HD-COD-SW-9-0/1-0
Sample Type: Client
Inject. Date: 27-Mar-2023 23:14:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-014
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2023 11:20:23 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1628

First Level Reviewer: innoonk Date: 28-Mar-2023 11:20:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.117	2.111	0.006	94	9631	0.1158	
7 Vinyl chloride	62		2.227				ND	7
9 Bromomethane	94		2.556				ND	
10 Chloroethane	64		2.629				ND	
18 1,1-Dichloroethene	96		3.489				ND	7
19 Acetone	43	3.544	3.513	0.031	87	12810	1.89	
24 Carbon disulfide	76		3.788				ND	7
28 Methylene Chloride	84		4.135				ND	7
* 29 t-Butyl alcohol-d10 (IS)	65	4.172	4.160	0.012	29	105825	50.0	
33 Methyl tert-butyl ether	73		4.550				ND	
34 trans-1,2-Dichloroethene	96		4.562				ND	
37 1,1-Dichloroethane	63		5.220				ND	7
42 2-Butanone (MEK)	43		6.007				ND	7
43 cis-1,2-Dichloroethene	96	6.068	6.043	0.025	75	12272	0.1785	
49 Chlorobromomethane	128		6.379				ND	
52 Chloroform	83	6.543	6.531	0.012	92	8748	0.0793	
$ 53 Dibromofluoromethane (Surr)	113	6.750	6.744	0.006	94	582014	10.6	
54 1,1,1-Trichloroethane	97		6.763				ND	7
57 Carbon tetrachloride	117		6.982				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.208	7.196	0.012	52	110574	11.0	
60 Benzene	78		7.232				ND	7
62 1,2-Dichloroethane	62		7.305				ND	7
* 65 Fluorobenzene (IS)	96	7.647	7.641	0.006	99	2166656	10.0	
69 Trichloroethene	95	8.128	8.122	0.006	94	13738	0.1926	
71 1,2-Dichloropropane	63		8.457				ND	
77 Dichlorobromomethane	83		8.799				ND	7
81 cis-1,3-Dichloropropene	75		9.354				ND	
83 4-Methyl-2-pentanone (MIBK)	43		9.524				ND	7
$ 84 Toluene-d8 (Surr)	98	9.665	9.665	0.000	93	2287368	10.2	
85 Toluene	92	9.744	9.738	0.006	98	11253	0.0679	
86 trans-1,3-Dichloropropene	75		10.000				ND	
106 1,1,2-Trichloroethane	97		10.201				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.299	10.292	0.007	96	22727	0.2968	
109 2-Hexanone	43		10.414				ND	7
111 Chlorodibromomethane	129		10.579				ND	
112 Ethylene Dibromide	107		10.695				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.128	11.122	0.006	85	1824388	10.0	
115 Chlorobenzene	112		11.152				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.231				ND	
118 Ethylbenzene	91		11.237				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.353				ND	7
120 o-Xylene	106		11.676				ND	7
121 Styrene	104		11.695				ND	7
122 Bromoform	173		11.853				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.121	12.121	0.000	92	812926	8.97	
127 1,1,2,2-Tetrachloroethane	83		12.219				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	94	1021061	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

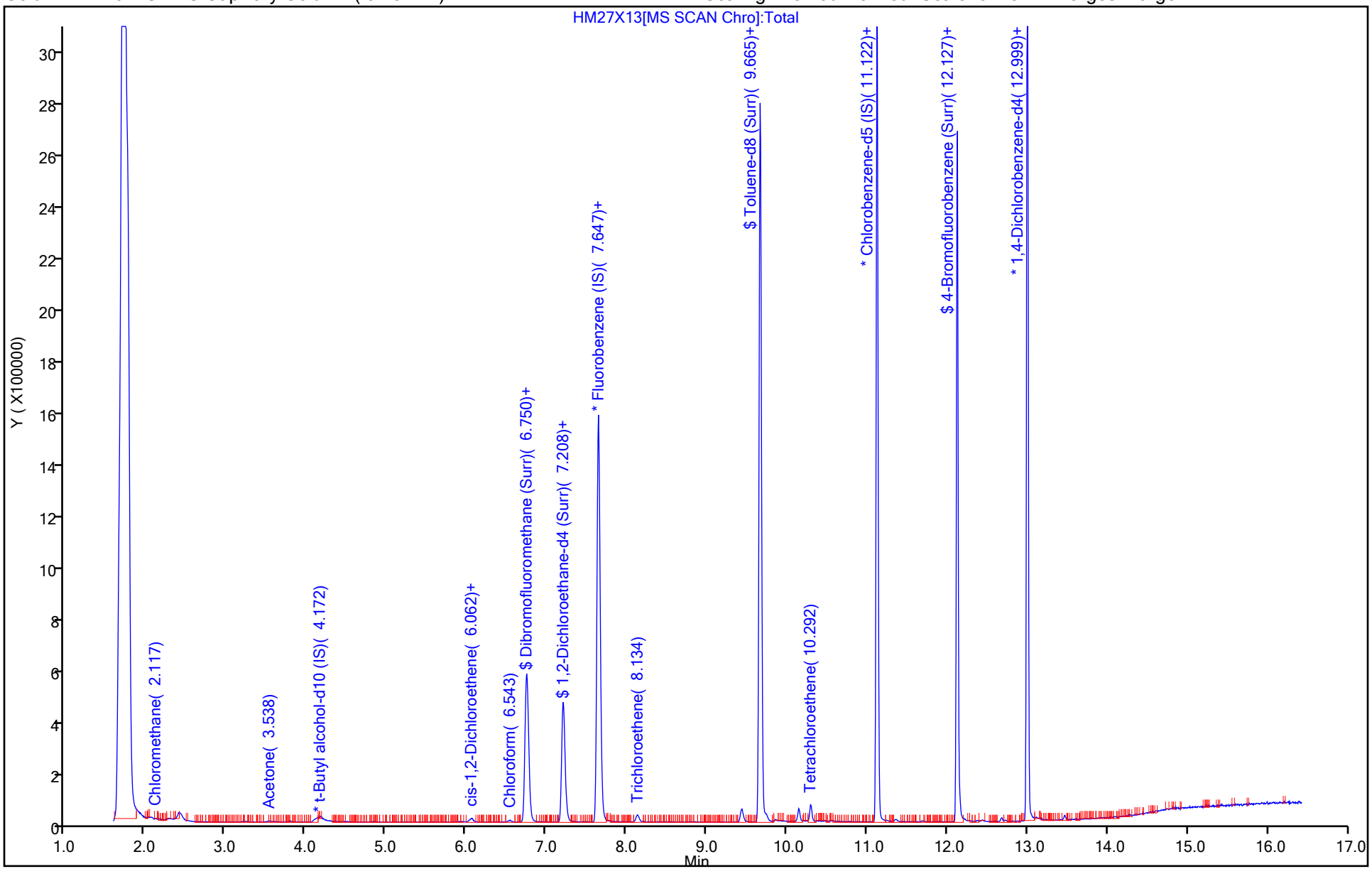
MSV_HP25_ISSS_00066 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 28-Mar-2023 11:20:55 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X13.D				
Injection Date:	27-Mar-2023 23:14:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-119839-A-4	Lab Sample ID:	410-119839-4	Worklist Smp#:	14
Client ID:	HD-COD-SW-9-0/1-0				
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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X13.D				
Lims ID:	410-119839-A-4				
Client ID:	HD-COD-SW-9-0/1-0				
Sample Type:	Client				
Inject. Date:	27-Mar-2023 23:14:30	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-014				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	28-Mar-2023 11:20:23	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1628				

First Level Reviewer: innoonk Date: 28-Mar-2023 11:20:55

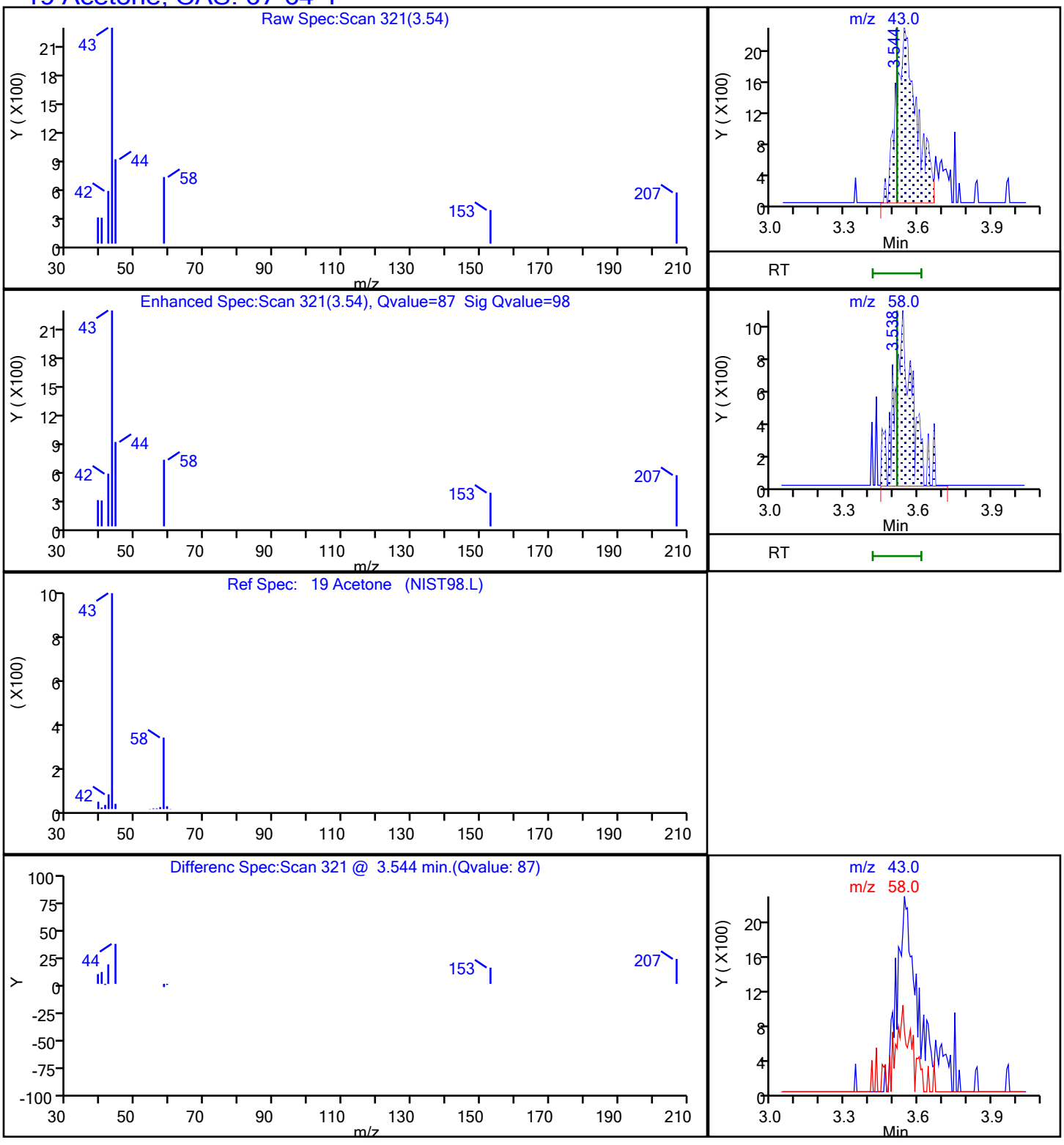
Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.6	106.13
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.0	110.50
$ 84 Toluene-d8 (Surr)	10.0	10.2	102.48
$ 126 4-Bromofluorobenzene (Surr)	10.0	8.97	89.72

Report Date: 28-Mar-2023 11:20:55 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X13.D				
Injection Date:	27-Mar-2023 23:14:30	Instrument ID:	19094		
Lims ID:	410-119839-A-4	Lab Sample ID:	410-119839-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	14	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

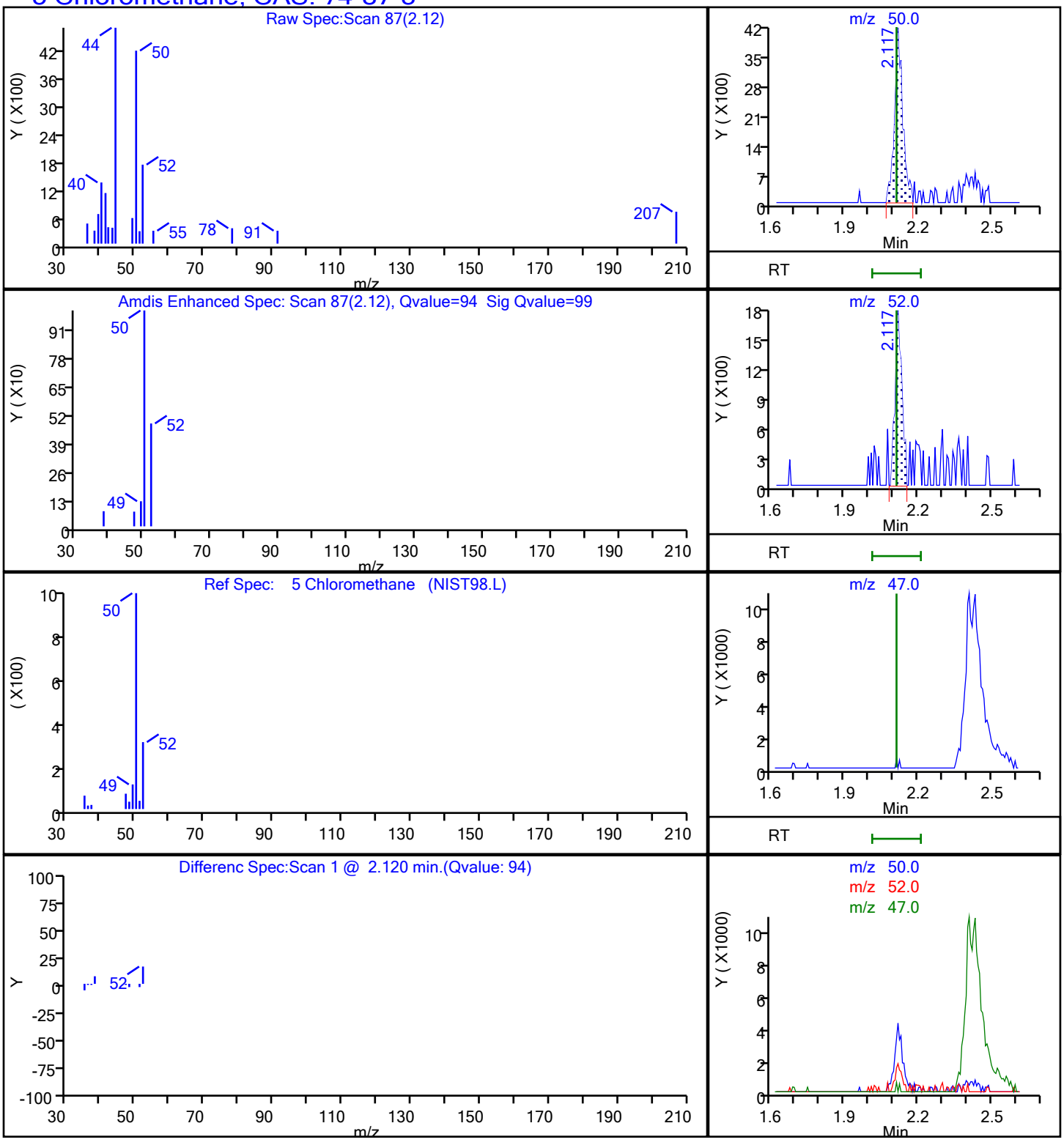


Report Date: 28-Mar-2023 11:20:55 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X13.D				
Injection Date:	27-Mar-2023 23:14:30	Instrument ID:	19094		
Lims ID:	410-119839-A-4	Lab Sample ID:	410-119839-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	14	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

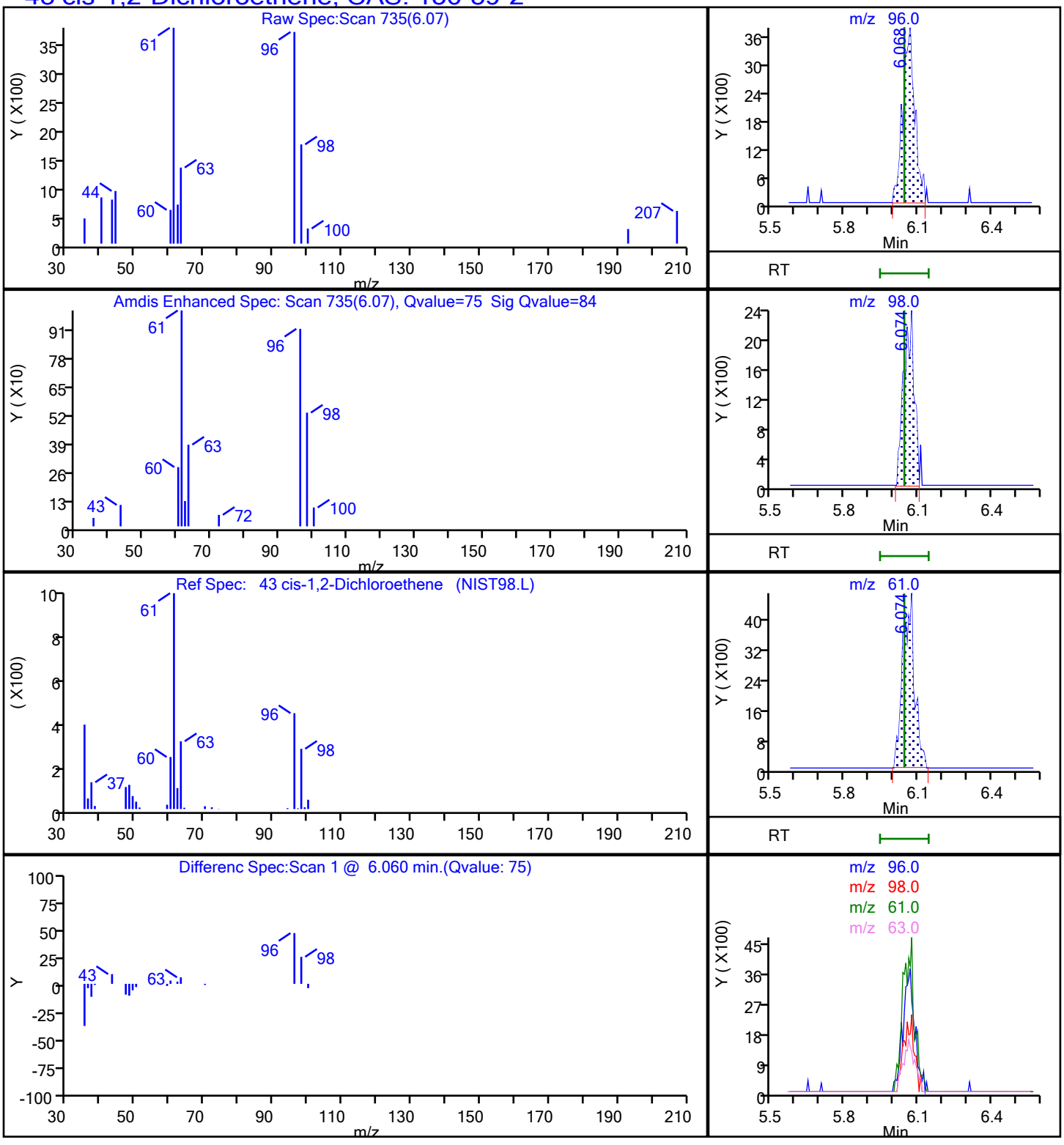


Report Date: 28-Mar-2023 11:20:55 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X13.D				
Injection Date:	27-Mar-2023 23:14:30	Instrument ID:	19094		
Lims ID:	410-119839-A-4	Lab Sample ID:	410-119839-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	14	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		

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

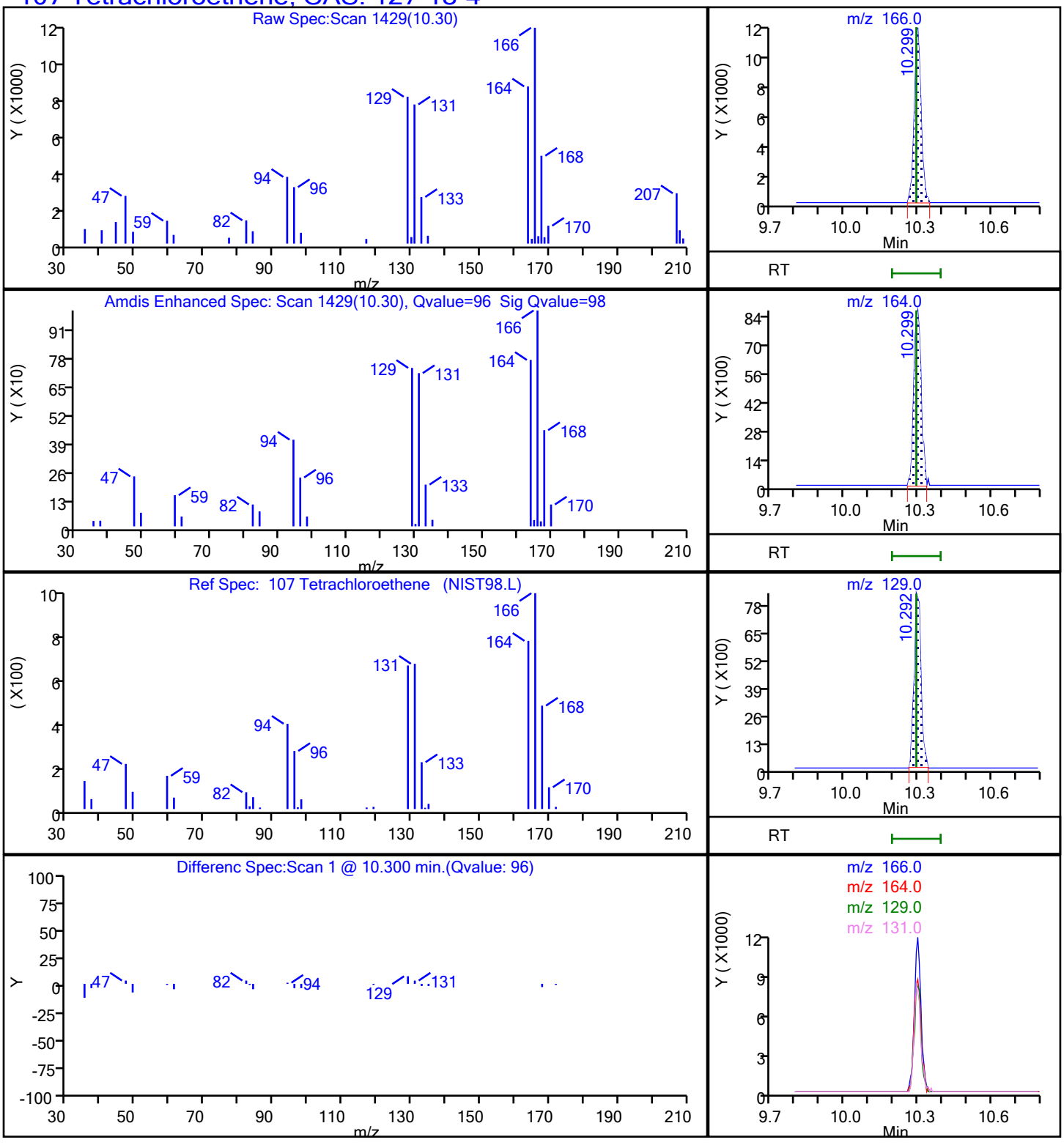


Report Date: 28-Mar-2023 11:20:55 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X13.D				
Injection Date:	27-Mar-2023 23:14:30	Instrument ID:	19094		
Lims ID:	410-119839-A-4	Lab Sample ID:	410-119839-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	14	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		

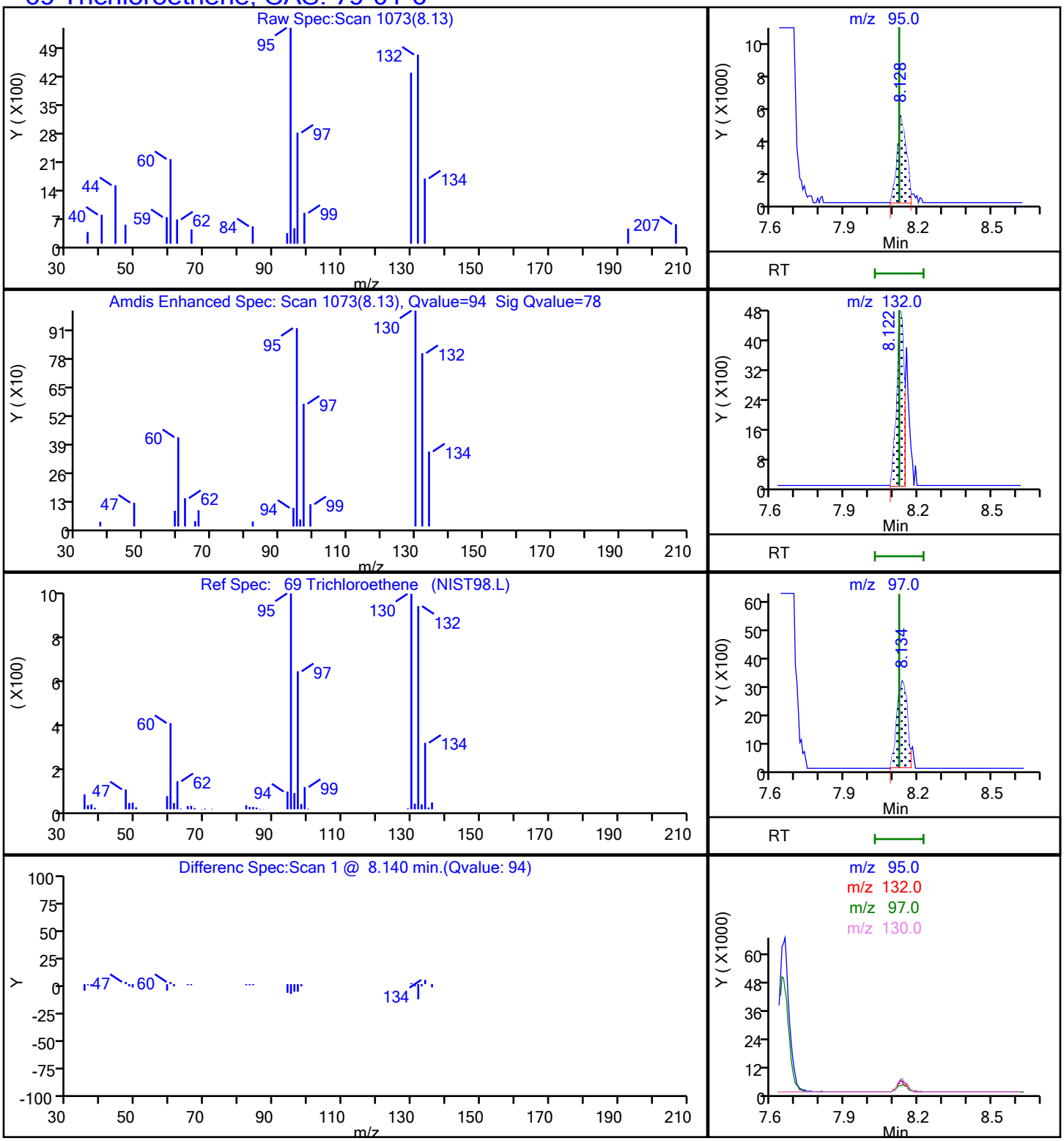
107 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X13.D				
Injection Date:	27-Mar-2023 23:14:30	Instrument ID:	19094		
Lims ID:	410-119839-A-4	Lab Sample ID:	410-119839-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	14	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		

69 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-13-0/1-0 Lab Sample ID: 410-119839-5

Matrix: Water Lab File ID: HM27X14.D

Analysis Method: 8260D Date Collected: 03/22/2023 10:15

Sample wt/vol: 25(mL) Date Analyzed: 03/27/2023 23:35

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.: 357851 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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.5	J	5.0	1.0
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	^c cn	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	0.24	J ^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.23	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	0.10
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.71		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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-13-0/1-0
Lab Sample ID: 410-119839-5

Matrix: Water
Lab File ID: HM27X14.D

Analysis Method: 8260D
Date Collected: 03/22/2023 10:15

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 23:35

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.: 357851
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	0.29	J	0.50	0.080
75-01-4	Vinyl chloride	ND	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		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\19094\20230327-79983.b\HM27X14.D
Lims ID: 410-119839-A-5
Client ID: HD-COD-SW-13-0/1-0
Sample Type: Client
Inject. Date: 27-Mar-2023 23:35:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-015
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2023 11:20:23 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1628

First Level Reviewer: innoonk Date: 28-Mar-2023 11:21:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.123	2.111	0.012	98	20616	0.2440	
7 Vinyl chloride	62		2.227				ND	7
9 Bromomethane	94		2.556				ND	
10 Chloroethane	64		2.629				ND	
18 1,1-Dichloroethene	96		3.489				ND	
19 Acetone	43	3.550	3.513	0.037	75	10820	1.52	
24 Carbon disulfide	76	3.806	3.788	0.018	75	8691	0.0567	
28 Methylene Chloride	84		4.135				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.184	4.160	0.024	26	111311	50.0	
33 Methyl tert-butyl ether	73		4.550				ND	
34 trans-1,2-Dichloroethene	96		4.562				ND	
37 1,1-Dichloroethane	63		5.220				ND	7
42 2-Butanone (MEK)	43		6.007				ND	7
43 cis-1,2-Dichloroethene	96	6.049	6.043	0.006	81	16067	0.2299	
49 Chlorobromomethane	128		6.379				ND	
52 Chloroform	83	6.549	6.531	0.018	11	6511	0.0580	
$ 53 Dibromofluoromethane (Surr)	113	6.750	6.744	0.006	93	577365	10.4	
54 1,1,1-Trichloroethane	97	6.787	6.763	0.024	35	4842	0.0464	
57 Carbon tetrachloride	117		6.982				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.208	7.196	0.012	52	109135	10.7	
60 Benzene	78		7.232				ND	7
62 1,2-Dichloroethane	62		7.305				ND	7
* 65 Fluorobenzene (IS)	96	7.647	7.641	0.006	99	2202137	10.0	
69 Trichloroethene	95	8.134	8.122	0.012	96	20662	0.2850	
71 1,2-Dichloropropane	63		8.457				ND	
77 Dichlorobromomethane	83		8.799				ND	7
81 cis-1,3-Dichloropropene	75		9.354				ND	
83 4-Methyl-2-pentanone (MIBK)	43		9.524				ND	7
$ 84 Toluene-d8 (Surr)	98	9.664	9.665	-0.001	93	2316618	10.2	
85 Toluene	92	9.738	9.738	0.000	97	11207	0.0665	
86 trans-1,3-Dichloropropene	75		10.000				ND	
106 1,1,2-Trichloroethane	97		10.201				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.298	10.292	0.006	97	55514	0.7136	
109 2-Hexanone	43		10.414				ND	
111 Chlorodibromomethane	129		10.579				ND	
112 Ethylene Dibromide	107		10.695				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.128	11.122	0.006	85	1853796	10.0	
115 Chlorobenzene	112		11.152				ND	
116 1,1,1,2-Tetrachloroethane	131		11.231				ND	
118 Ethylbenzene	91		11.237				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.353				ND	7
120 o-Xylene	106		11.676				ND	7
121 Styrene	104		11.695				ND	
122 Bromoform	173		11.853				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.127	12.121	0.006	94	817476	8.88	
127 1,1,2,2-Tetrachloroethane	83		12.219				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	95	1012034	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP25_ISSS_00066 Amount Added: 1.00 Units: uL Run Reagent

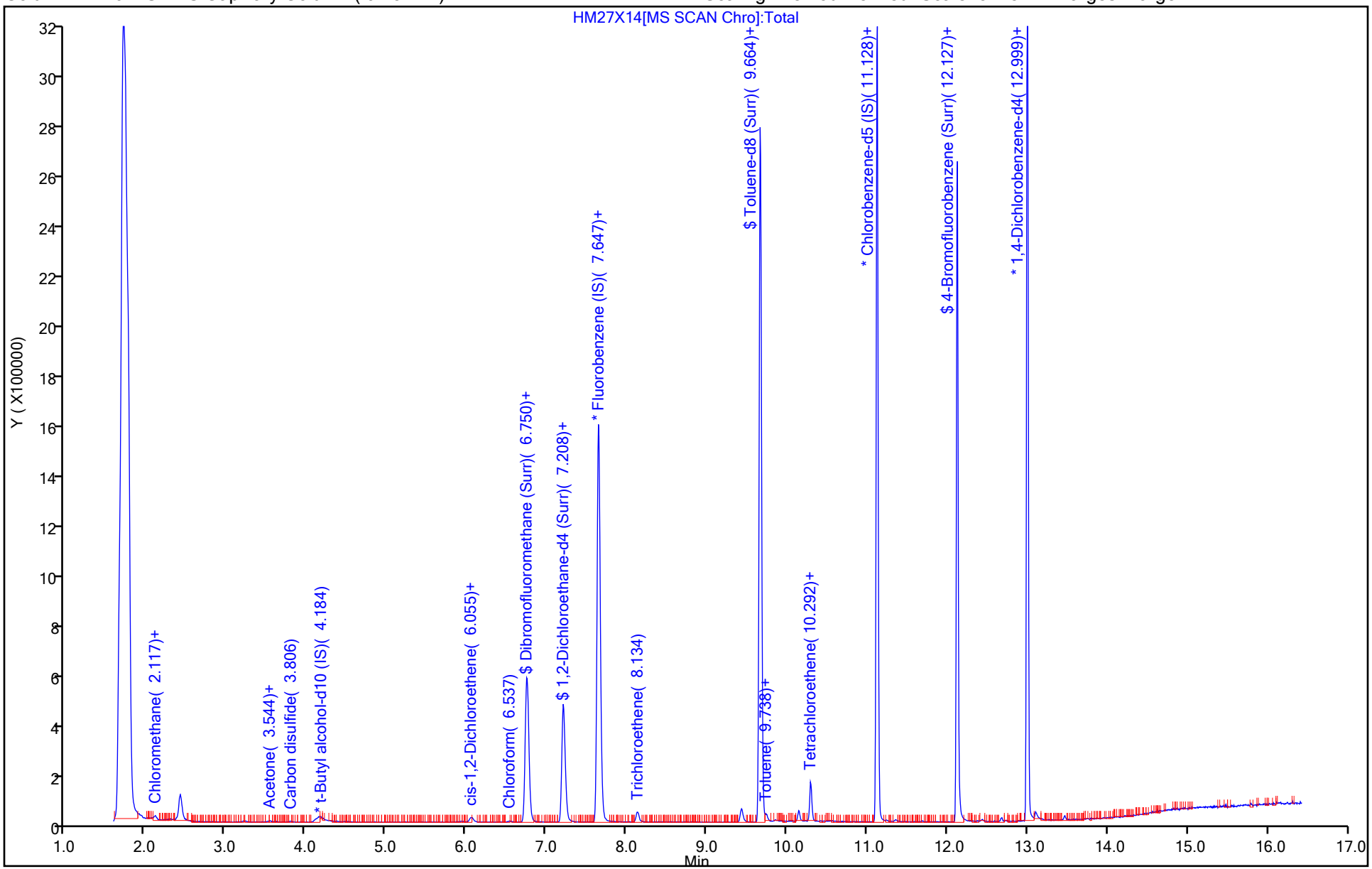
Report Date: 28-Mar-2023 11:21:48 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X14.D

Injection Date:	27-Mar-2023 23:35:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-119839-A-5	Lab Sample ID:	410-119839-5	Worklist Smp#:	15
Client ID:	HD-COD-SW-13-0/1-0				
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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X14.D				
Lims ID:	410-119839-A-5				
Client ID:	HD-COD-SW-13-0/1-0				
Sample Type:	Client				
Inject. Date:	27-Mar-2023 23:35:30	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-015				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	28-Mar-2023 11:20:23	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1628				

First Level Reviewer: innoonk Date: 28-Mar-2023 11:21:47

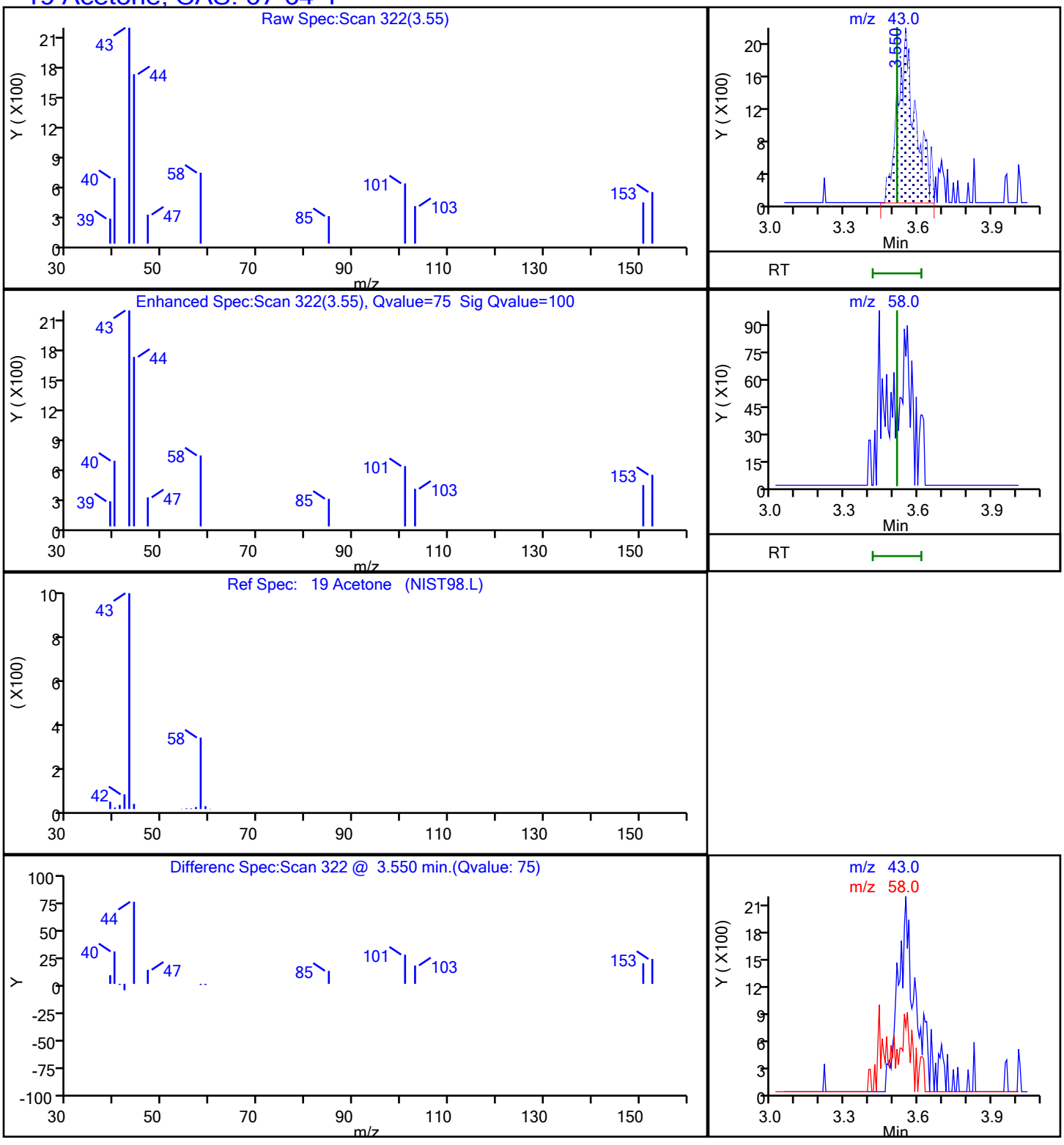
Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.4	103.59
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	107.30
$ 84 Toluene-d8 (Surr)	10.0	10.2	102.15
$ 126 4-Bromofluorobenzene (Surr)	10.0	8.88	88.79

Report Date: 28-Mar-2023 11:21:48 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X14.D				
Injection Date:	27-Mar-2023 23:35:30	Instrument ID:	19094		
Lims ID:	410-119839-A-5	Lab Sample ID:	410-119839-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	15	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



Report Date: 28-Mar-2023 11:21:48 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X14.D

Injection Date: 27-Mar-2023 23:35:30 Instrument ID: 19094

Lims ID: 410-119839-A-5 Lab Sample ID: 410-119839-5

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

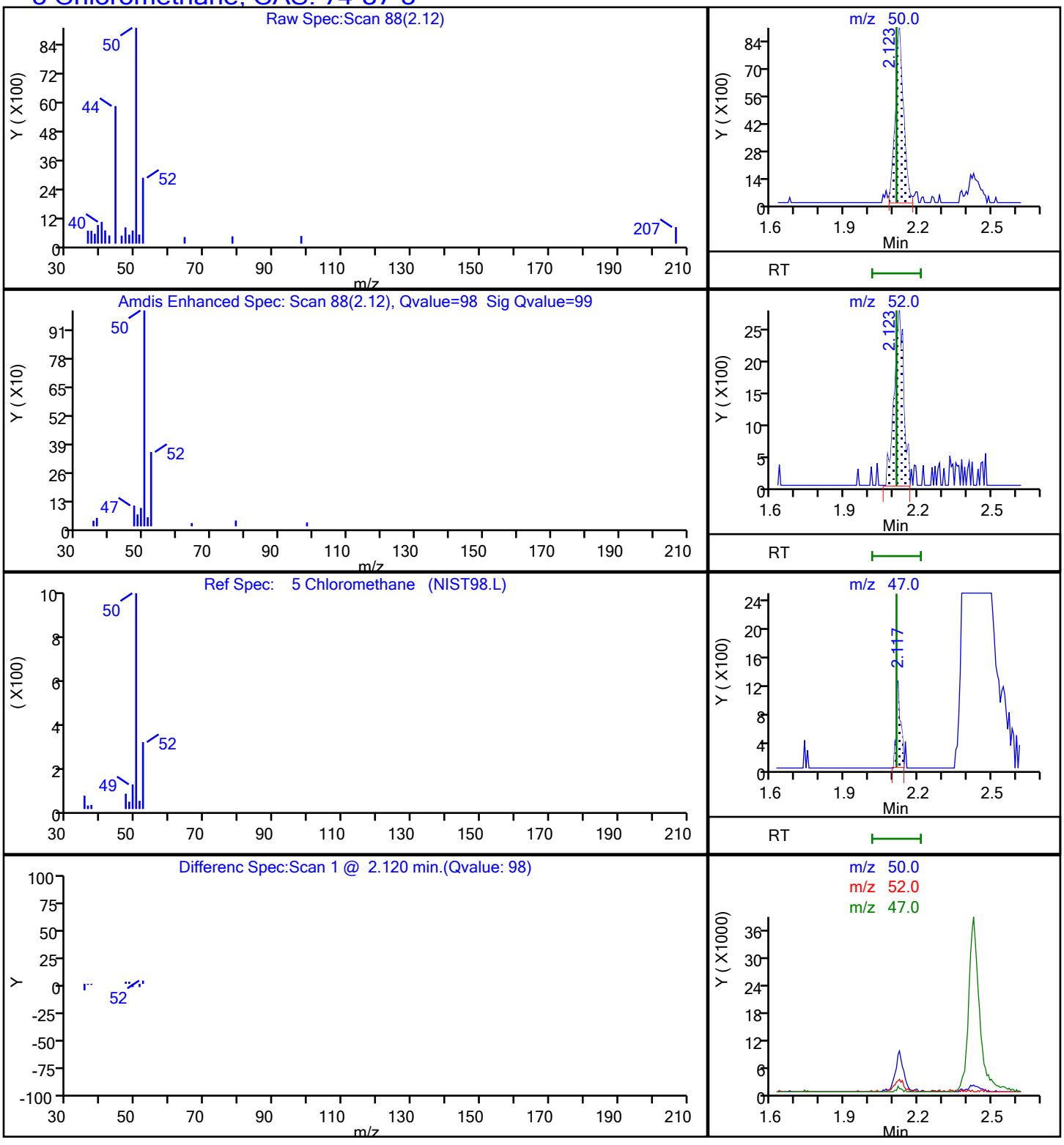
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 15

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

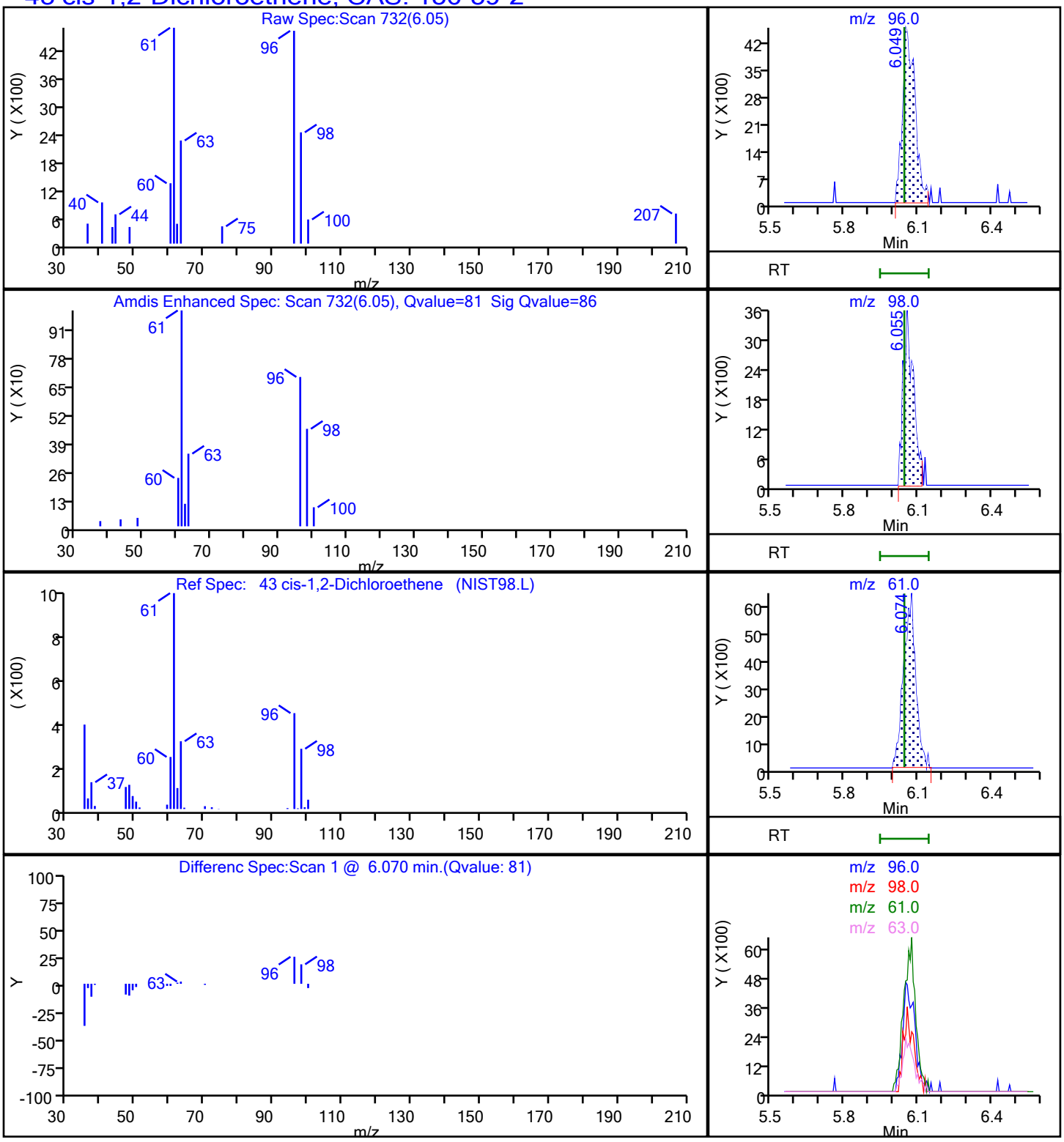
5 Chloromethane, CAS: 74-87-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X14.D				
Injection Date:	27-Mar-2023 23:35:30	Instrument ID:	19094		
Lims ID:	410-119839-A-5	Lab Sample ID:	410-119839-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	15	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		

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

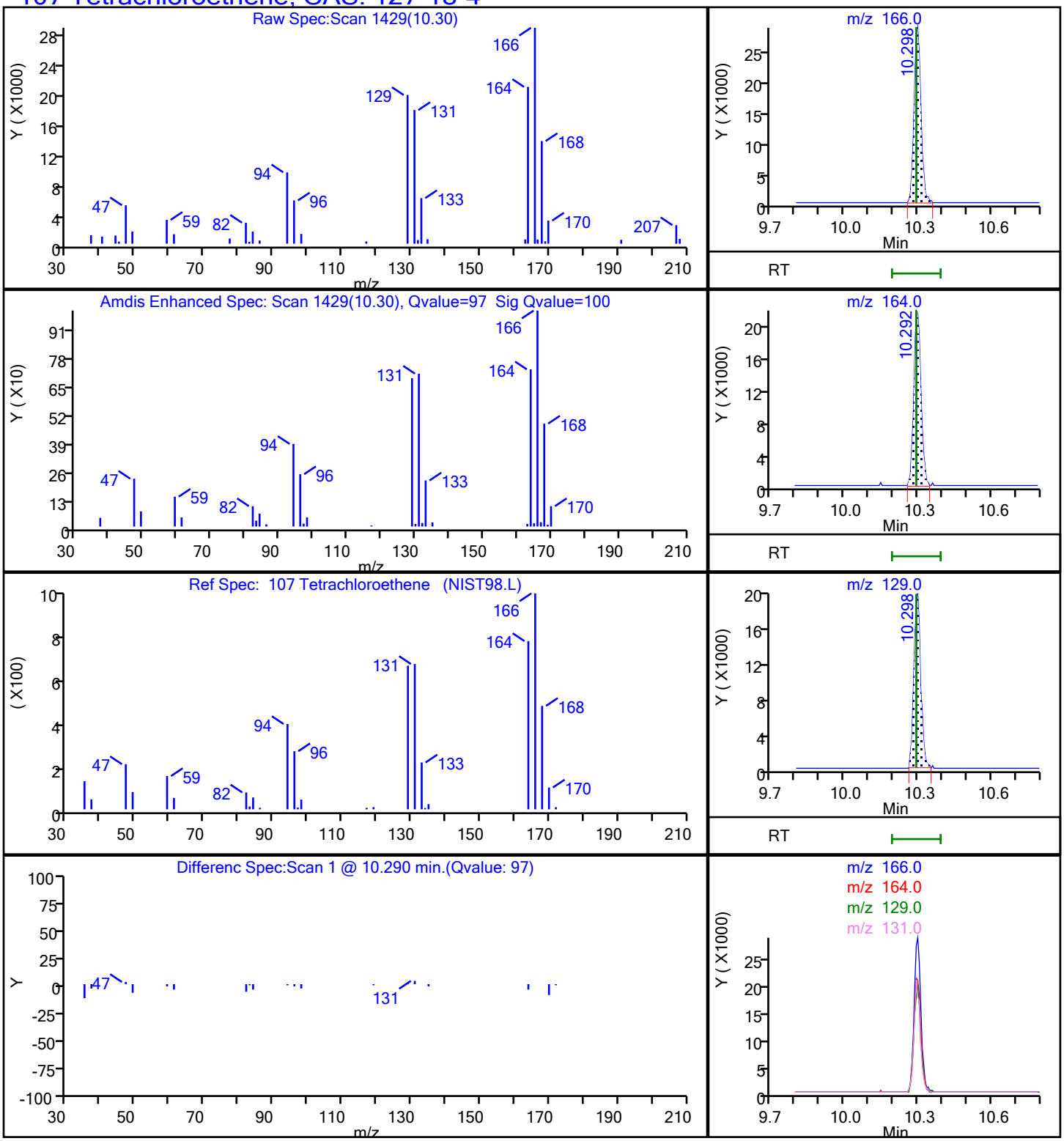


Report Date: 28-Mar-2023 11:21:48 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X14.D				
Injection Date:	27-Mar-2023 23:35:30	Instrument ID:	19094		
Lims ID:	410-119839-A-5	Lab Sample ID:	410-119839-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	15	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		

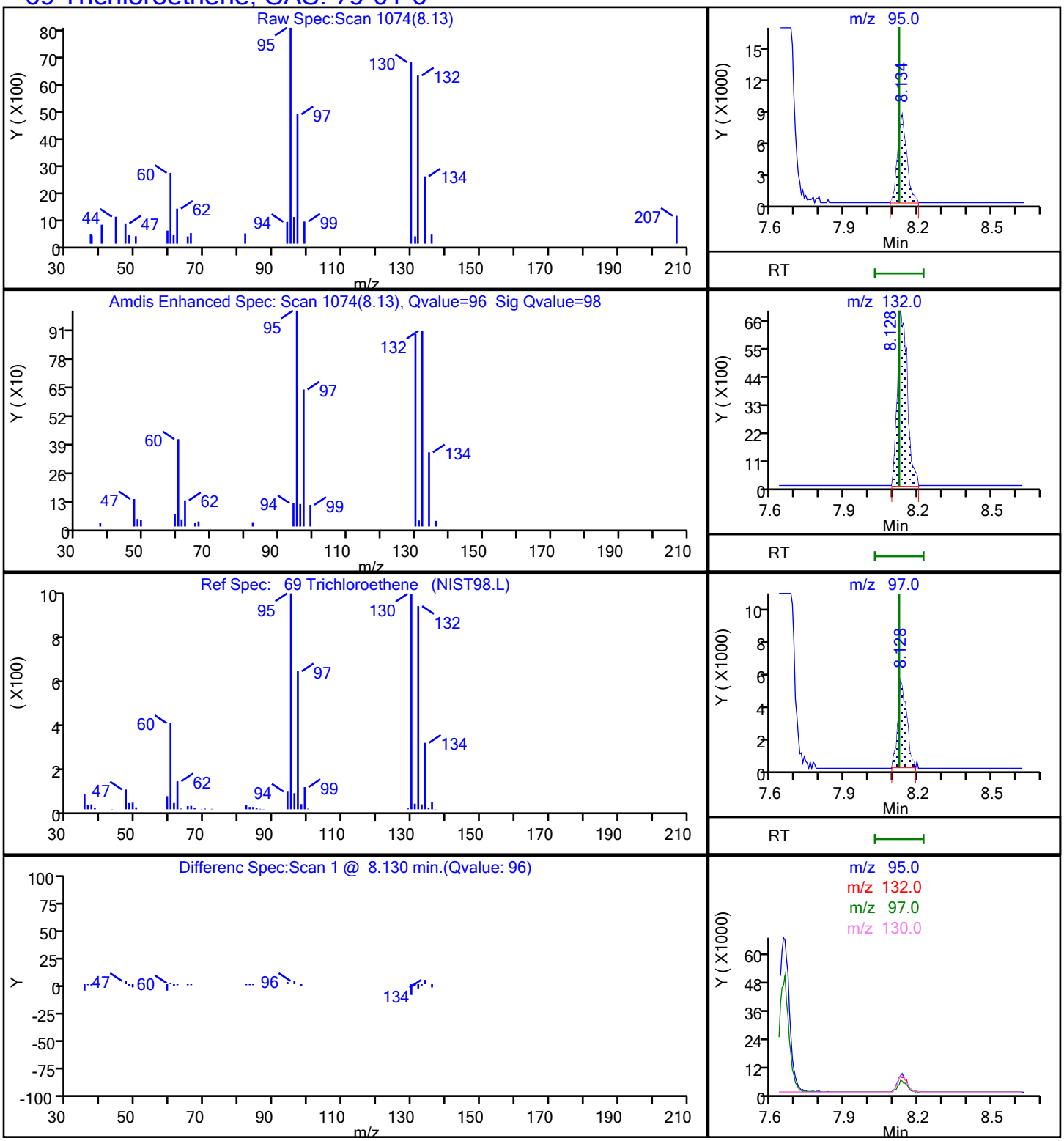
107 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X14.D				
Injection Date:	27-Mar-2023 23:35:30	Instrument ID:	19094		
Lims ID:	410-119839-A-5	Lab Sample ID:	410-119839-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	15	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		

69 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0
Lab Sample ID: 410-119839-6

Matrix: Water
Lab File ID: HM27X15.D

Analysis Method: 8260D
Date Collected: 03/22/2023 12:45

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 23:55

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.: 357851
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	0.38	J	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	0.14	J	0.50	0.10
75-35-4	1,1-Dichloroethene	0.15	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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
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	^c cn	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	0.29	J	0.50	0.090
74-87-3	Chloromethane	0.29	J ^c FH cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	1.4		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.10
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	6.3		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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0
Lab Sample ID: 410-119839-6

Matrix: Water
Lab File ID: HM27X15.D

Analysis Method: 8260D
Date Collected: 03/22/2023 12:45

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 23:55

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.: 357851
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	1.3		0.50	0.080
75-01-4	Vinyl chloride	ND	^c FH cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X15.D
Lims ID: 410-119839-A-6
Client ID: HD-COD-SW-15-0/1-0
Sample Type: Client
Inject. Date: 27-Mar-2023 23:55:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-016
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2023 11:23:35 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1628

First Level Reviewer: innoonk Date: 28-Mar-2023 11:23:35

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	1 Chlorotrifluoroethene	116		1.886				ND	
	2 Dichlorodifluoromethane	85		1.916				ND	
	3 Chlorodifluoromethane	51		1.934				ND	7
	4 Dimethyl ether	45		2.001				ND	7
	5 Chloromethane	50	2.123	2.111	0.012	99	24406	0.2883	
	6 Butadiene	39		2.227				ND	7
	7 Vinyl chloride	62		2.227				ND	
	8 2-Chloro-1,1,1-Trifluoroethane	118		2.312				ND	
	9 Bromomethane	94		2.556				ND	
	10 Chloroethane	64		2.629				ND	
	11 Dichlorofluoromethane	67		2.861				ND	7
	12 Trichlorofluoromethane	101		2.946				ND	
	13 Ethanol	45		3.111				ND	
	14 Ethyl ether	59		3.178				ND	
	15 1,2-Dichloro-1,1,2-trifluoroetha	67		3.263				ND	
	16 Acrolein	56		3.349				ND	
T	17 Ethanol TIC	45		3.440				ND	7
	18 1,1-Dichloroethene	96	3.501	3.489	0.012	83	8882	0.1548	
	19 Acetone	43		3.513				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.526				ND	
	21 Isopropyl alcohol	45		3.654				ND	
	22 Iodomethane	142		3.678				ND	
	23 Ethyl bromide	108		3.708				ND	
	24 Carbon disulfide	76		3.788				ND	
	26 Acetonitrile	41		3.897				ND	
	25 Methyl acetate	43		3.928				ND	
	27 3-Chloro-1-propene	41		3.958				ND	
	28 Methylene Chloride	84		4.135				ND	
*	29 t-Butyl alcohol-d10 (IS)	65	4.172	4.160	0.012	19	109368	50.0	
T	30 Acetonitrile TIC	41	4.196	4.214	-0.018	1	208	0.000943	7
	31 2-Methyl-2-propanol	59		4.275				ND	
	32 Acrylonitrile	53		4.464				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	4.568	4.550	0.018	1	4652	0.0363	
34 trans-1,2-Dichloroethene	96		4.562				ND	7
35 Hexane	57		4.976				ND	
36 Vinyl acetate	43		5.214				ND	
37 1,1-Dichloroethane	63	5.239	5.220	0.019	93	16188	0.1359	
38 Isopropyl ether	45		5.275				ND	
39 2-Chloro-1,3-butadiene	53		5.324				ND	
T 40 Vinyl acetate (TIC)	43		5.537				ND	
41 Tert-butyl ethyl ether	59		5.812				ND	7
42 2-Butanone (MEK)	43		6.007				ND	7
43 cis-1,2-Dichloroethene	96	6.055	6.043	0.012	80	99409	1.42	
44 2,2-Dichloropropane	77		6.068				ND	
45 Propionitrile	54		6.092				ND	
46 Ethyl acetate	43		6.098				ND	U
S 47 1,2-Dichloroethene, Total	100				0		1.42	
48 Methacrylonitrile	67		6.312				ND	
49 Chlorobromomethane	128		6.379				ND	
50 Tetrahydrofuran	71		6.385				ND	
51 Methyl acrylate	55		6.482				ND	
52 Chloroform	83	6.543	6.531	0.012	94	32651	0.2905	
$ 53 Dibromofluoromethane (Surr)	113	6.757	6.744	0.013	93	579720	10.4	
54 1,1,1-Trichloroethane	97	6.763	6.763	0.000	37	39682	0.3794	
55 Cyclohexane	56		6.866				ND	
56 1,1-Dichloropropene	75		6.970				ND	
57 Carbon tetrachloride	117	6.982	6.982	0.000	25	3180	0.0352	
58 Isobutyl alcohol	41		7.116				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.214	7.196	0.018	52	108534	10.7	
60 Benzene	78		7.232				ND	7
61 1-Chlorobutane	56		7.250				ND	
62 1,2-Dichloroethane	62		7.305				ND	7
63 Isopropyl acetate	43		7.324				ND	
64 Tert-amyl methyl ether	73		7.433				ND	
* 65 Fluorobenzene (IS)	96	7.647	7.641	0.006	99	2205784	10.0	
66 n-Heptane	43		7.659				ND	
67 t-Amyl alcohol	73		7.842				ND	
68 n-Butanol	56		8.000				ND	
69 Trichloroethene	95	8.134	8.122	0.012	97	94835	1.31	
70 Methylcyclohexane	83		8.439				ND	
71 1,2-Dichloropropane	63		8.457				ND	
72 2-ethoxy-2-methyl butane	87		8.470				ND	
74 Methyl methacrylate	69		8.537				ND	
73 1,4-Dioxane	88		8.555				ND	
75 Dibromomethane	93		8.567				ND	
76 n-Propyl acetate	61		8.622				ND	
77 Dichlorobromomethane	83		8.799				ND	
78 2-Nitropropane	41		9.061				ND	
79 2-Chloroethyl vinyl ether	63		9.171				ND	U
80 1-Bromo-2-chloroethane	63		9.195				ND	7
81 cis-1,3-Dichloropropene	75		9.354				ND	
82 Chloroacetonitrile	75		9.427				ND	
83 4-Methyl-2-pentanone (MIBK)	43		9.524				ND	
$ 84 Toluene-d8 (Surr)	98	9.664	9.665	-0.001	93	2291808	10.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
85 Toluene	92	9.738	9.738	0.000	96	5003	0.0298	
86 trans-1,3-Dichloropropene	75		10.000				ND	U
T 90 Decamethylcyclopentasiloxane TIC	73	9.664	10.000	-0.336	1	583	0.002643	7
T 93 2,3-Dibromo-1-propanol TIC	57	9.664	10.000	-0.336	1	1553	0.007041	7
T 97 2-Bromo-3-chloropropene TIC	75	9.933	10.000	-0.067	1	229	0.001038	7
T 91 Epibromohydrin TIC	57	9.664	10.000	-0.336	14	1553	0.007041	7
T 98 3-Chloro-1,2-propanediol TIC	44	10.012	10.000	0.012	1	791	0.003586	7
T 89 Octamethylcyclotetrasiloxane TIC	281	12.158	10.000	2.158	90	30514	0.1383	7
T 88 Nitrobenzene TIC	77	10.006	10.000	0.006	1	1016	0.004606	7
T 208 Methyl acrylate TIC	55	9.689	10.000	-0.311	3	1981	0.008981	
T 87 Hexachloroethane TIC	117	10.299	10.000	0.299	12	3959	0.0179	7
T 96 Chloroacetaldehyde TIC	50		10.000				ND	
T 92 Monochloroacetic acid TIC	50	9.957	10.000	-0.043	1	474	0.002149	7
T 94 2,3-Dibromopropene TIC	119	10.152	10.000	0.152	1	928	0.004207	7
T 95 2-Chloroethanol TIC	44		10.000				ND	
T 99 Isopropyl alcohol TIC	45		10.000				ND	
T 100 Ethylene oxide TIC	44	10.012	10.000	0.012	31	791	0.003586	7
T 101 Vinyl bromide TIC	106	11.225	10.000	1.225	1	290	0.001315	7
T 102 Epichlorohydrin TIC	57	9.664	10.000	-0.336	29	1553	0.007041	7
T 103 2-Bromoethanol TIC	45		10.000				ND	
S 104 1,3-Dichloropropene, Total	100		10.060				ND	7
105 Ethyl methacrylate	69		10.061				ND	
106 1,1,2-Trichloroethane	97	10.213	10.201	0.012	1	1201	0.0302	
107 Tetrachloroethene	166	10.299	10.292	0.007	97	490819	6.34	
108 1,3-Dichloropropane	76		10.366				ND	
109 2-Hexanone	43		10.414				ND	
110 n-Butyl acetate	43		10.530				ND	
111 Chlorodibromomethane	129		10.579				ND	
112 Ethylene Dibromide	107		10.695				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.128	11.122	0.006	85	1845676	10.0	
114 1-Chlorohexane	91		11.134				ND	7
115 Chlorobenzene	112		11.152				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.231				ND	
118 Ethylbenzene	91		11.237				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.353				ND	7
120 o-Xylene	106		11.676				ND	7
121 Styrene	104		11.695				ND	
122 Bromoform	173		11.853				ND	
123 Isopropylbenzene	105		11.981				ND	
124 cis-1,4-Dichloro-2-butene	88		12.012				ND	
125 Cyclohexanone	55		12.042				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.127	12.121	0.006	93	829050	9.04	
127 1,1,2,2-Tetrachloroethane	83		12.219				ND	
128 Bromobenzene	156		12.237				ND	
129 trans-1,4-Dichloro-2-butene	53		12.243				ND	
130 1,2,3-Trichloropropane	110		12.268				ND	
131 N-Propylbenzene	91		12.304				ND	7
132 2-Chlorotoluene	126		12.384				ND	
133 1,3,5-Trimethylbenzene	105		12.445				ND	7
134 4-Chlorotoluene	126		12.475				ND	
135 tert-Butylbenzene	134		12.682				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
136 Pentachloroethane	167		12.713				ND	
137 1,2,4-Trimethylbenzene	105		12.725				ND	
138 sec-Butylbenzene	105		12.847				ND	7
139 1,3-Dichlorobenzene	146		12.944				ND	7
140 4-Isopropyltoluene	119		12.951				ND	7
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	95	1021522	10.0	
142 1,4-Dichlorobenzene	146		13.018				ND	7
143 1,2,3-Trimethylbenzene	120		13.024				ND	7
144 Benzyl chloride	126		13.091				ND	
145 p-Diethylbenzene	119		13.152				ND	U
146 n-Butylbenzene	92		13.243				ND	
147 1,2-Dichlorobenzene	146		13.274				ND	
148 Hexachloroethane	201		13.682				ND	
149 1,2-Dibromo-3-Chloropropane	155		13.816				ND	
150 1,3,5-Trichlorobenzene	180		13.938				ND	
151 1,2,4-Trichlorobenzene	180		14.359				ND	
152 Hexachlorobutadiene	225		14.444				ND	
153 Naphthalene	128		14.542				ND	7
154 1,2,3-Trichlorobenzene	180		14.682				ND	7
155 2-Methylnaphthalene	142		15.298				ND	
156 tert-Butyl Formate	1		0.000				ND	
157 Dodecane	57		0.000				ND	
158 Pentane	43		0.000				ND	
159 1,1-Dichloroacetone	1		0.000				ND	
160 n-Decane	57		0.000				ND	
161 1-Bromo-3-Chloropropane	1		0.000				ND	
162 1-Chloropropane	1		0.000				ND	
163 Propene oxide	1		0.000				ND	
164 1,1-Dichloro-1-fluoroethane	1		0.000				ND	
165 Methylal	1		0.000				ND	
166 2-Bromo-1-chloropropane	1		0.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

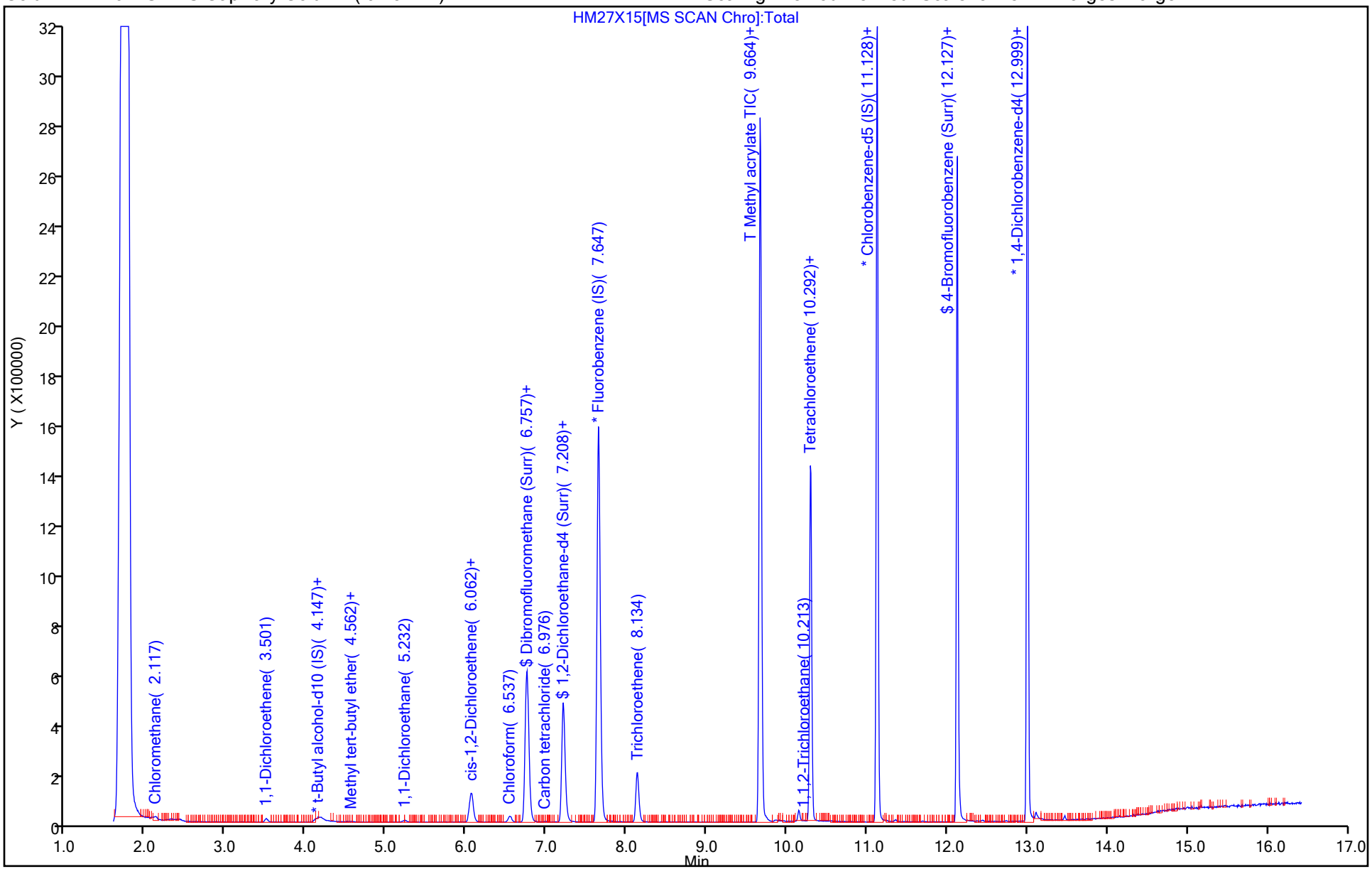
MSV_HP25_ISSS_00066 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 28-Mar-2023 11:23:35 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X15.D				
Injection Date:	27-Mar-2023 23:55:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-119839-A-6	Lab Sample ID:	410-119839-6	Worklist Smp#:	16
Client ID:	HD-COD-SW-15-0/1-0				
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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X15.D				
Lims ID:	410-119839-A-6				
Client ID:	HD-COD-SW-15-0/1-0				
Sample Type:	Client				
Inject. Date:	27-Mar-2023 23:55:30	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-016				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	28-Mar-2023 11:23:35	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1628				

First Level Reviewer: innoonk Date: 28-Mar-2023 11:23:35

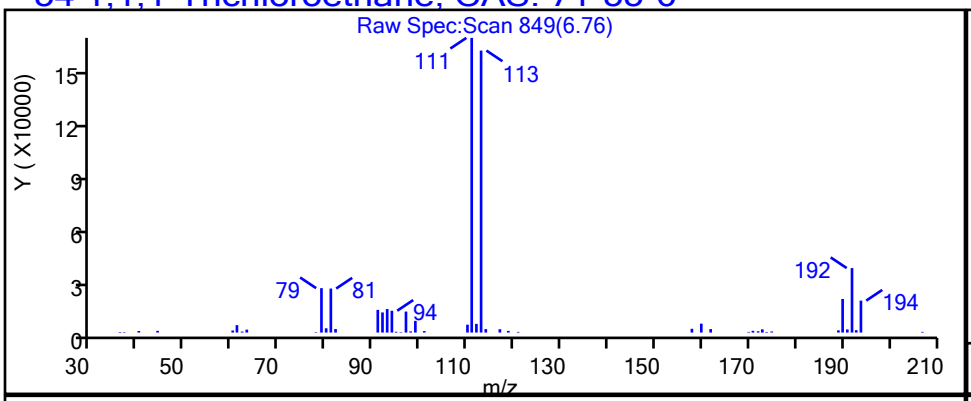
Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.4	103.84
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	106.54
$ 84 Toluene-d8 (Surr)	10.0	10.1	101.50
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.04	90.44

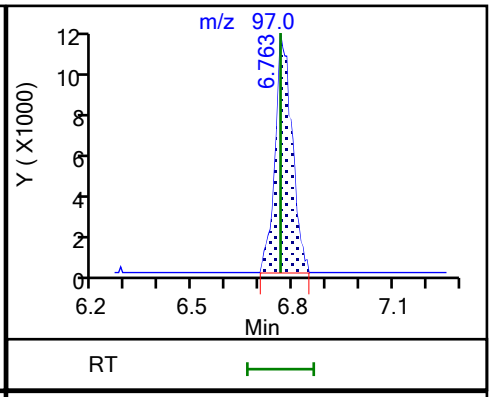
Report Date: 28-Mar-2023 11:23:35 Chrom Revision: 2.3 16-Mar-2023 15:40:40

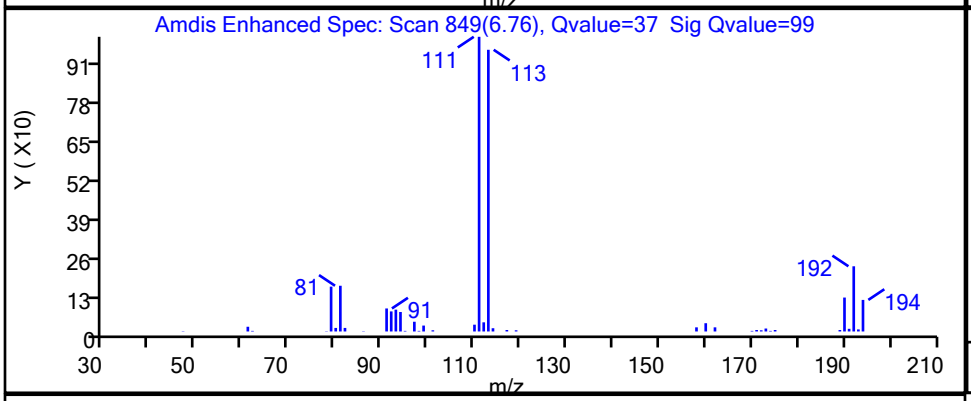
Eurofins Lancaster Laboratories Environment Testing, LLC

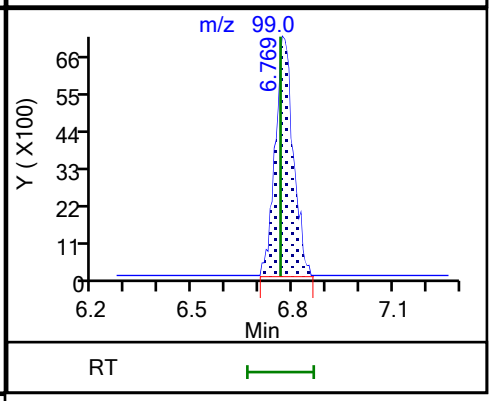
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X15.D				
Injection Date:	27-Mar-2023 23:55:30	Instrument ID:	19094		
Lims ID:	410-119839-A-6	Lab Sample ID:	410-119839-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

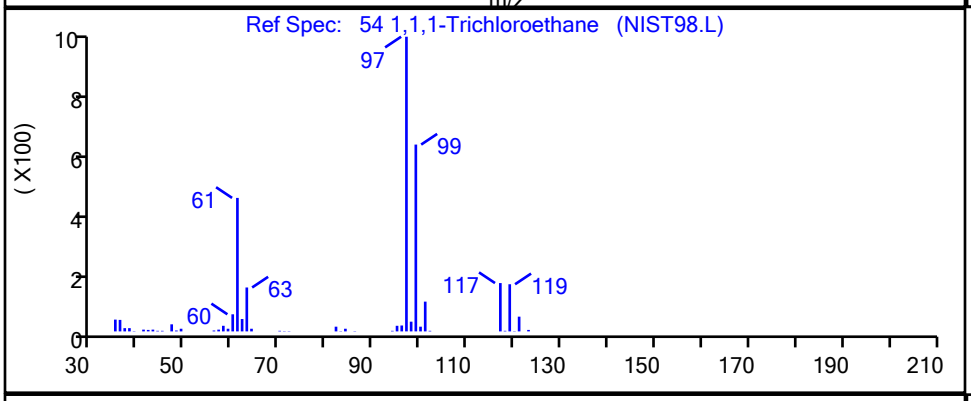
54 1,1,1-Trichloroethane, CAS: 71-55-6

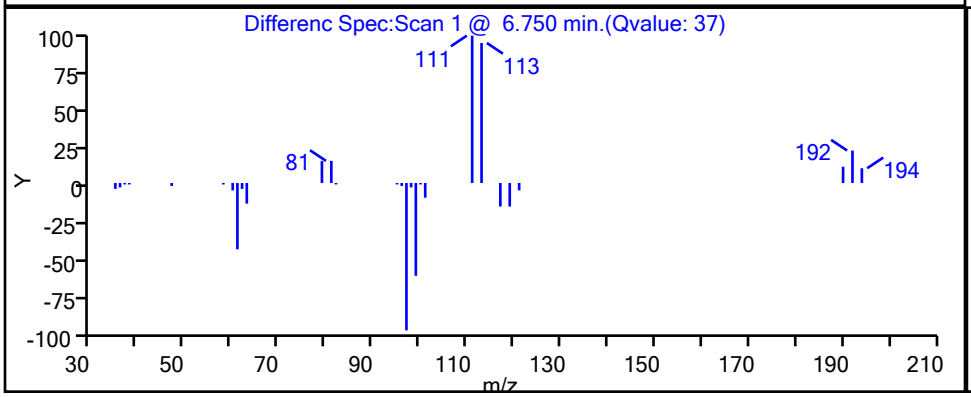


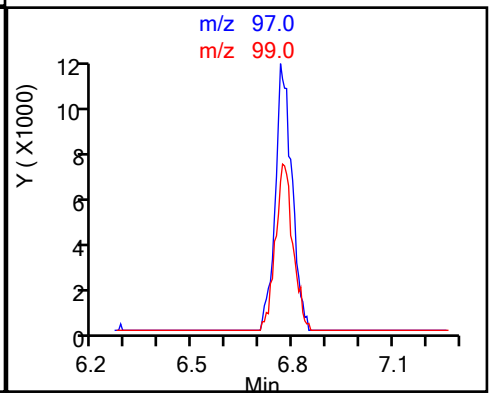








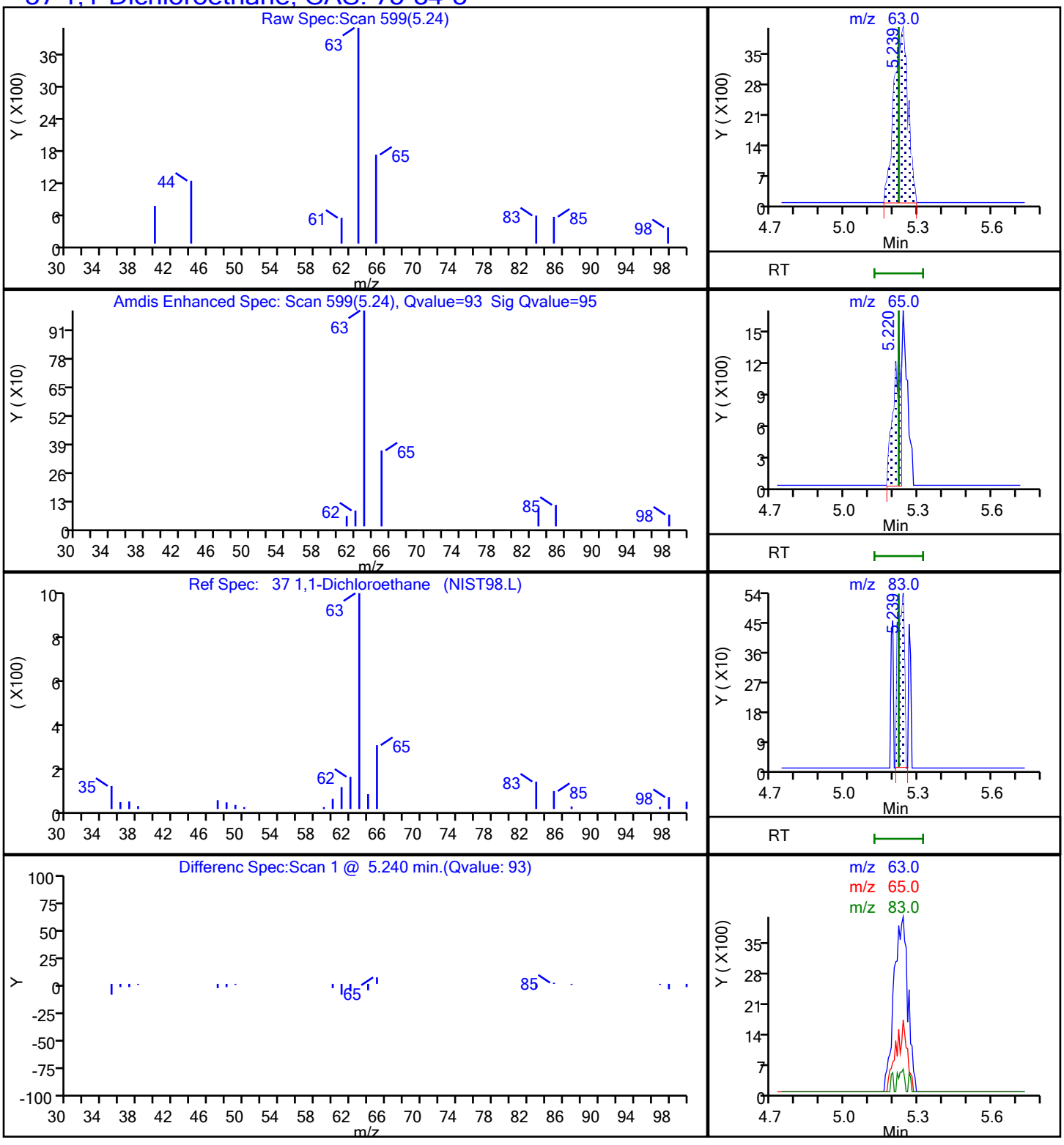




Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X15.D				
Injection Date:	27-Mar-2023 23:55:30	Instrument ID:	19094		
Lims ID:	410-119839-A-6	Lab Sample ID:	410-119839-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	16	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 (0.25 mm)	Detector	MS Quad		

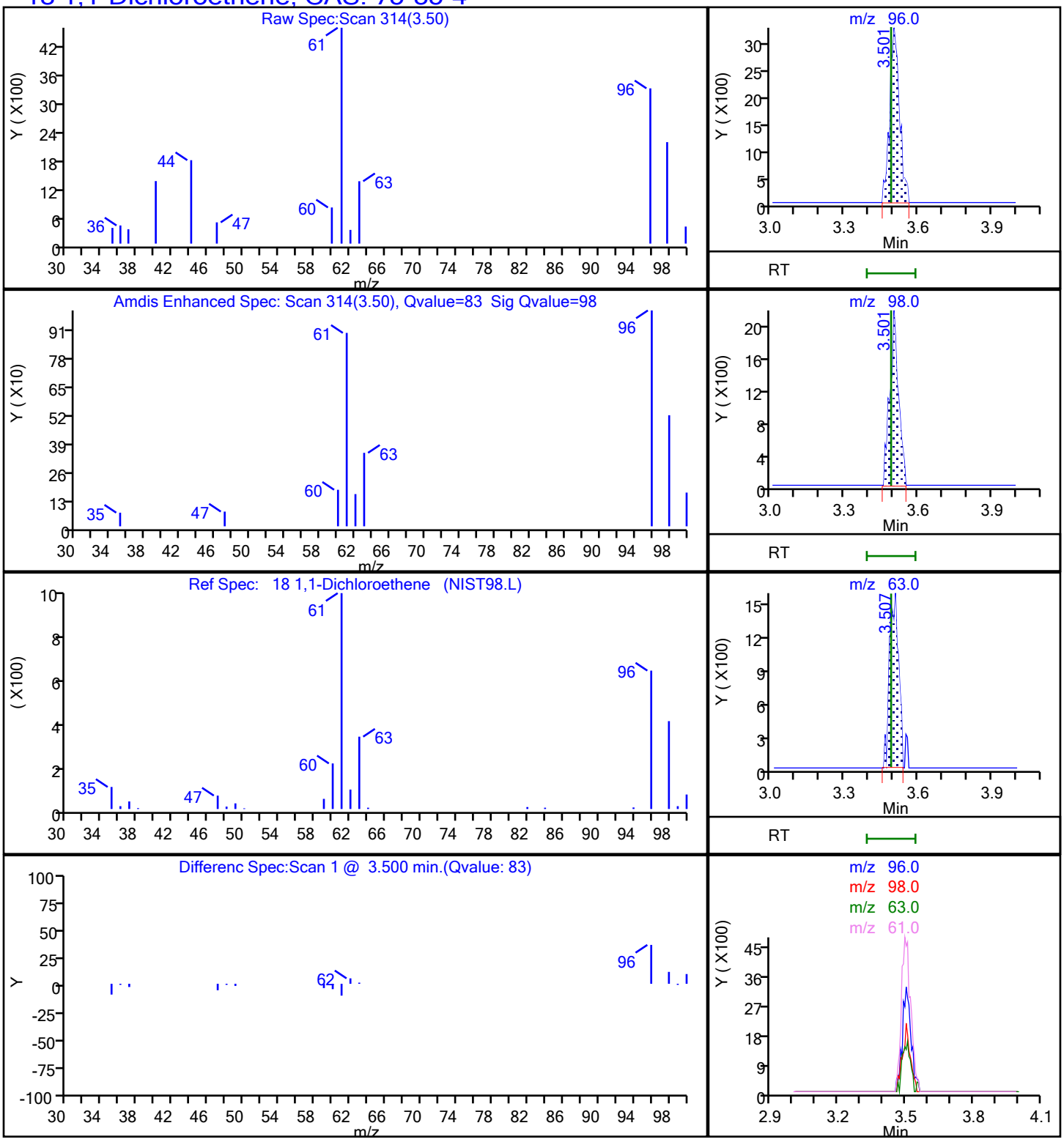
37 1,1-Dichloroethane, CAS: 75-34-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X15.D				
Injection Date:	27-Mar-2023 23:55:30	Instrument ID:	19094		
Lims ID:	410-119839-A-6	Lab Sample ID:	410-119839-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	16	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		

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

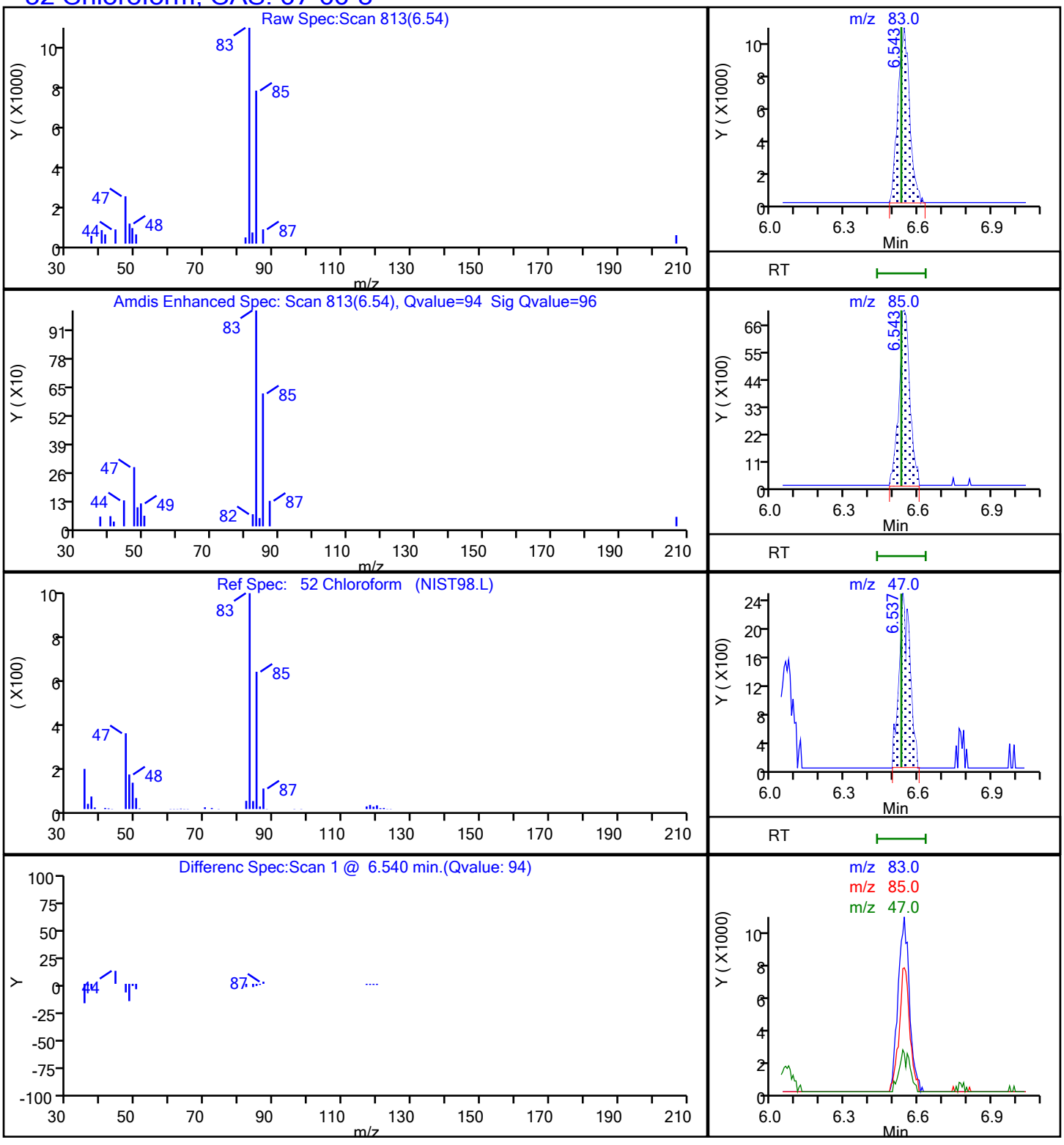


Report Date: 28-Mar-2023 11:23:35 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X15.D				
Injection Date:	27-Mar-2023 23:55:30	Instrument ID:	19094		
Lims ID:	410-119839-A-6	Lab Sample ID:	410-119839-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	16	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		

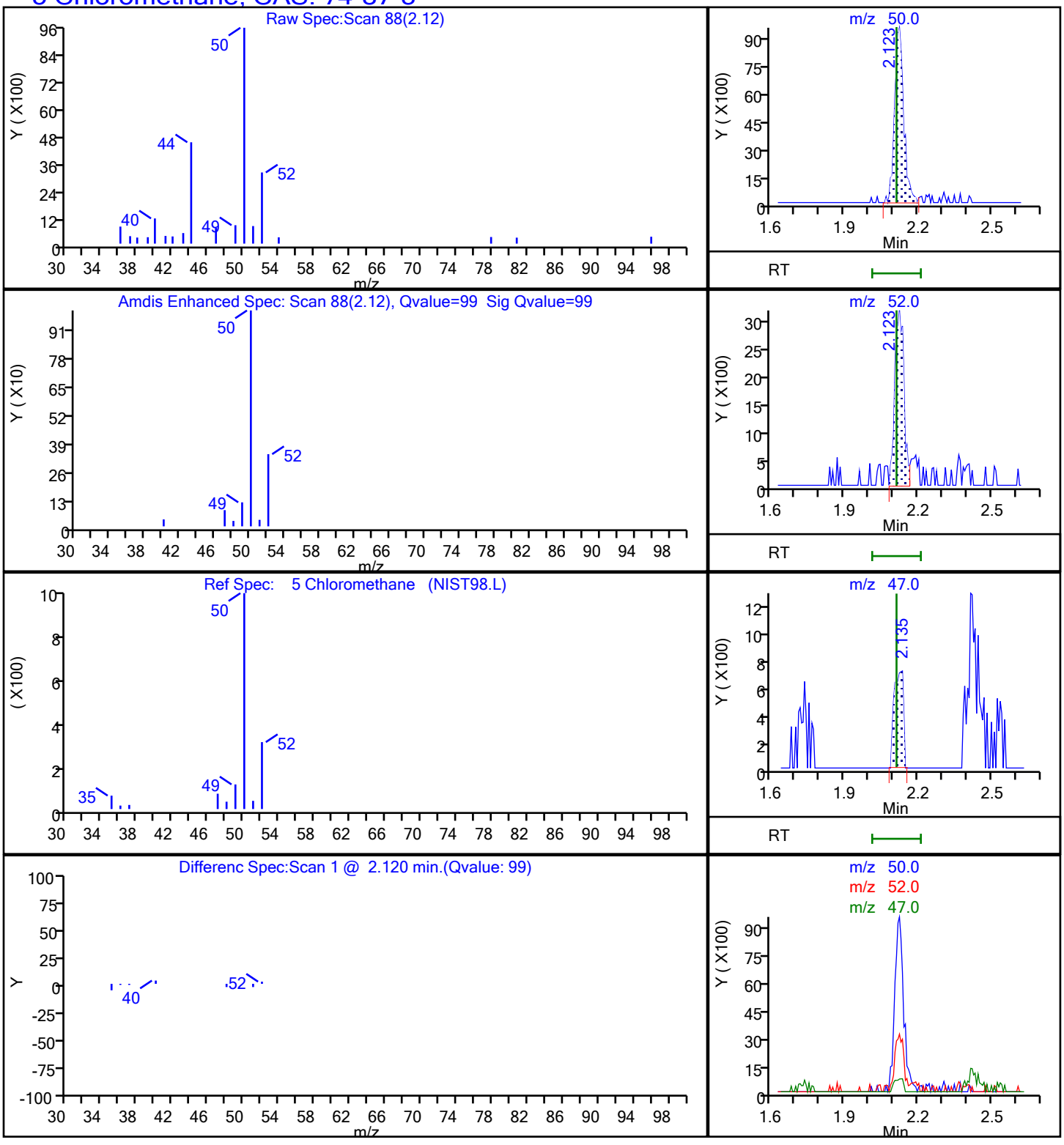
52 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X15.D				
Injection Date:	27-Mar-2023 23:55:30	Instrument ID:	19094		
Lims ID:	410-119839-A-6	Lab Sample ID:	410-119839-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	16	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 (0.25 mm)	Detector	MS Quad		

5 Chloromethane, CAS: 74-87-3



Report Date: 28-Mar-2023 11:23:35 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X15.D

Injection Date: 27-Mar-2023 23:55:30 Instrument ID: 19094

Lims ID: 410-119839-A-6 Lab Sample ID: 410-119839-6

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

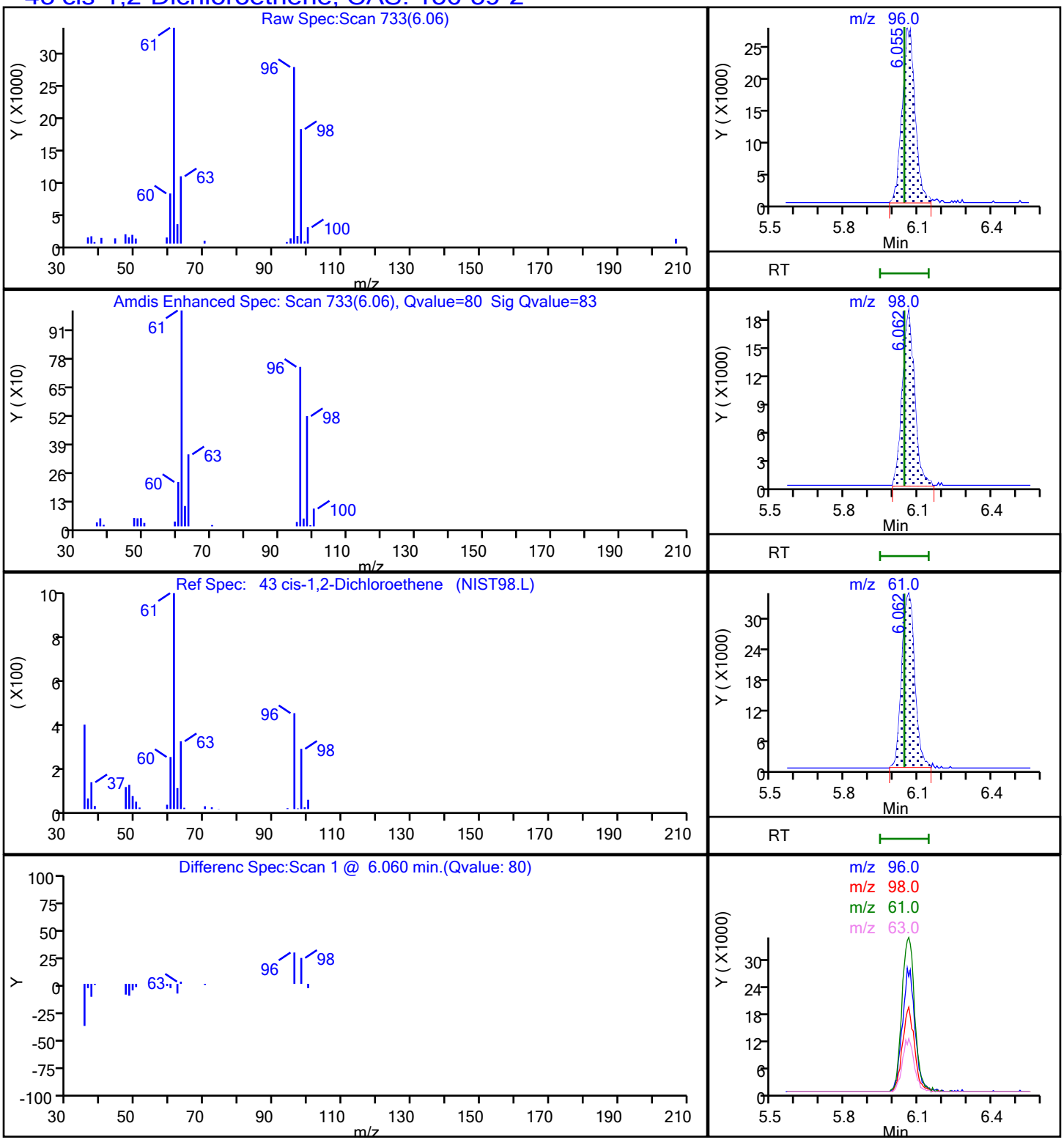
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 16

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

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

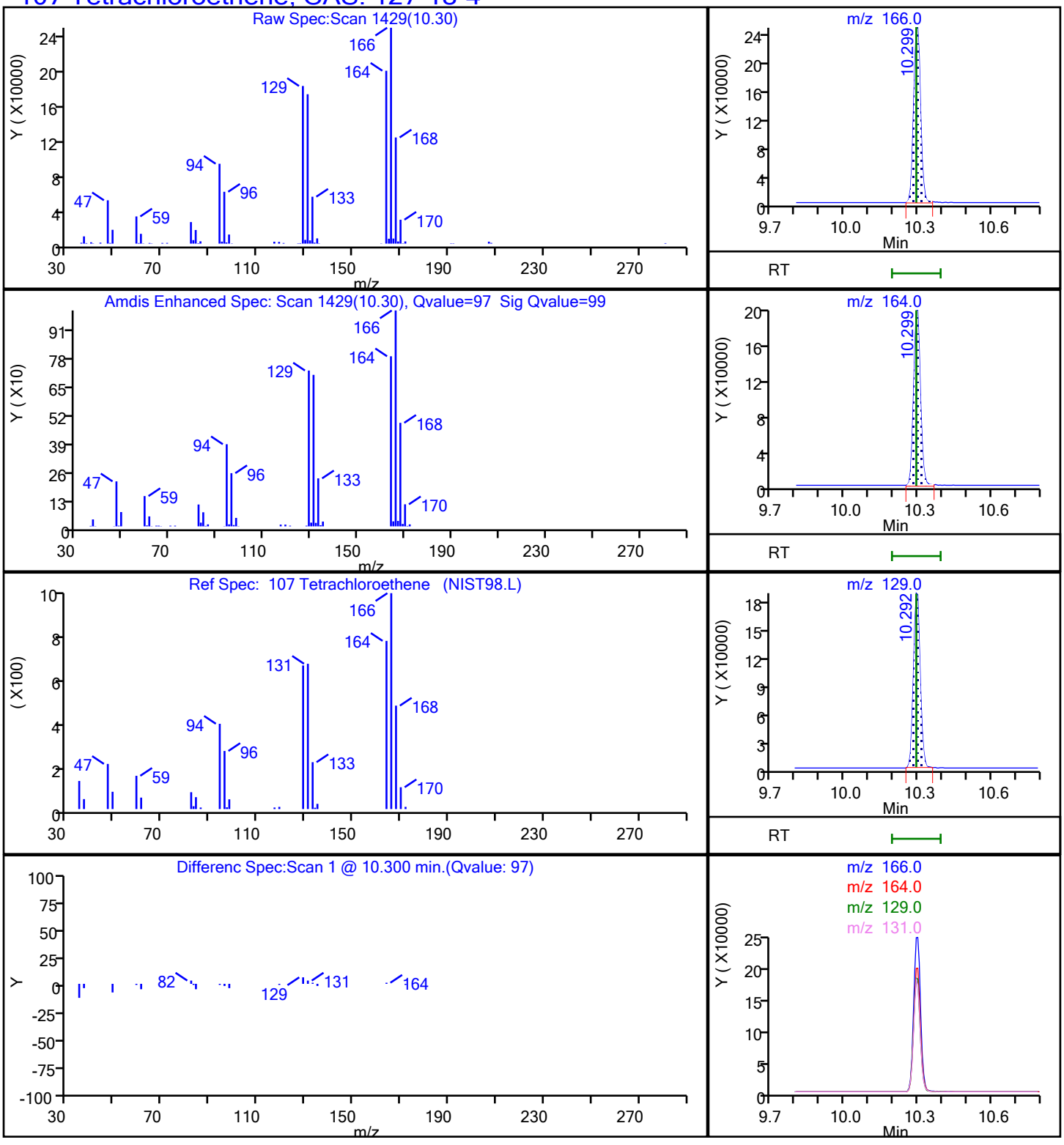


Report Date: 28-Mar-2023 11:23:36 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X15.D				
Injection Date:	27-Mar-2023 23:55:30	Instrument ID:	19094		
Lims ID:	410-119839-A-6	Lab Sample ID:	410-119839-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	16	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		

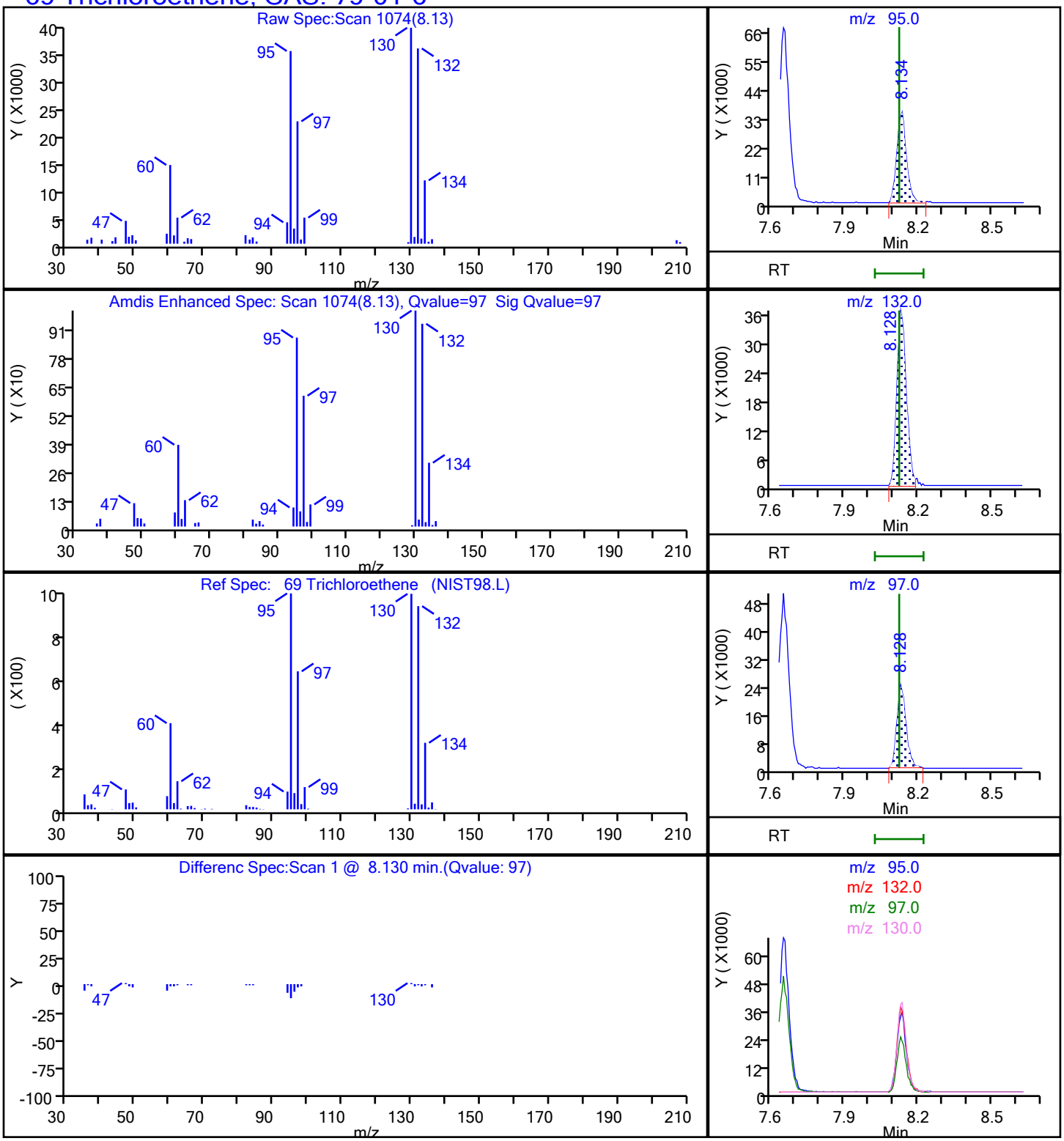
107 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X15.D				
Injection Date:	27-Mar-2023 23:55:30	Instrument ID:	19094		
Lims ID:	410-119839-A-6	Lab Sample ID:	410-119839-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	16	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 (0.25 mm)	Detector	MS Quad		

69 Trichloroethene, CAS: 79-01-6



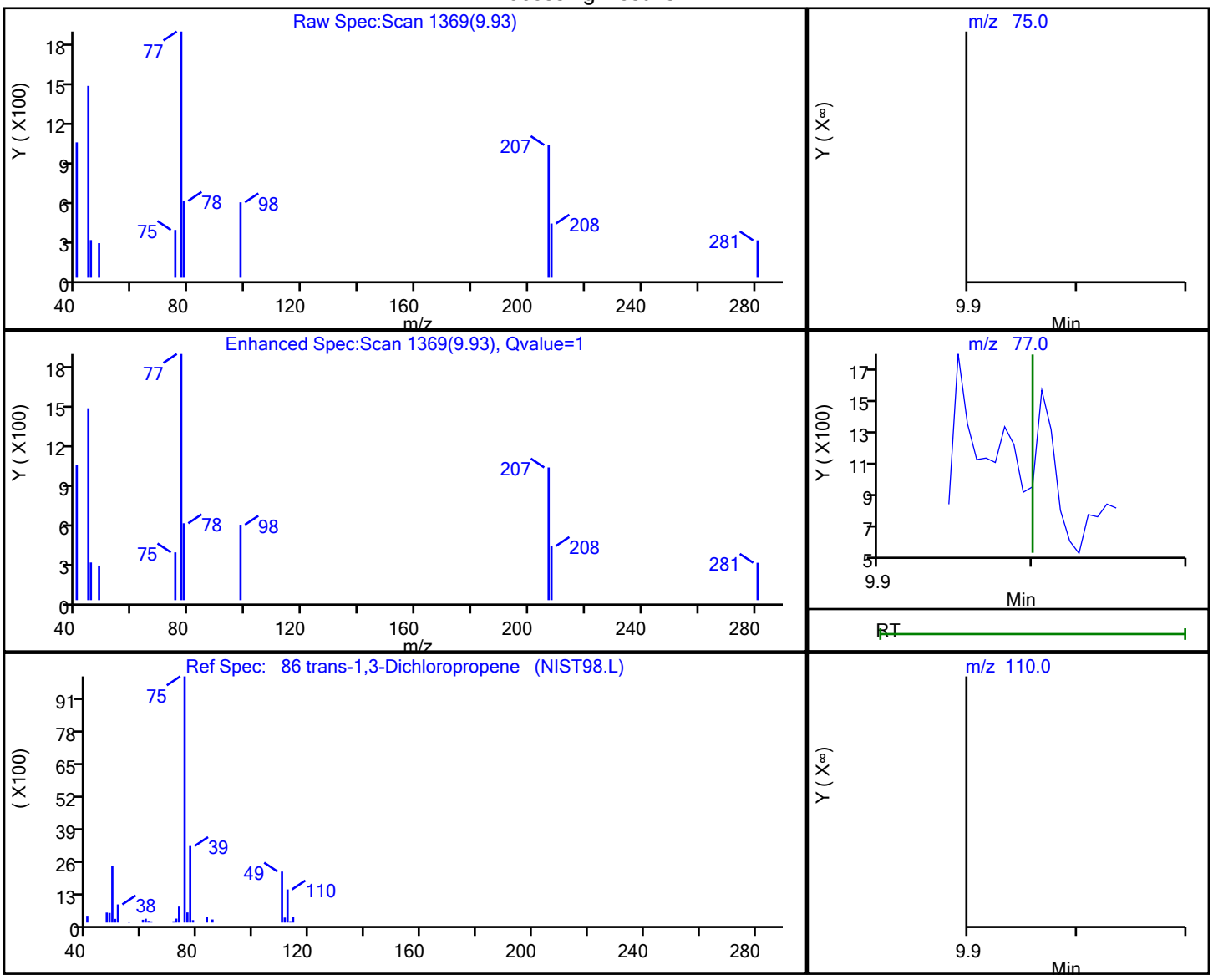
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X15.D				
Injection Date:	27-Mar-2023 23:55:30	Instrument ID:	19094		
Lims ID:	410-119839-A-6	Lab Sample ID:	410-119839-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	16	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		

86 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
9.93	75.00	229	0.003205
10.00	77.00	0	
10.00	110.00	0	
10.00	112.00	0	

Reviewer: innoonk, 28-Mar-2023 11:23:06

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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-16-0/1-0 Lab Sample ID: 410-119839-7

Matrix: Water Lab File ID: HM27X19.D

Analysis Method: 8260D Date Collected: 03/22/2023 10:34

Sample wt/vol: 25(mL) Date Analyzed: 03/28/2023 01:18

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.: 357851 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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	2.3	J	5.0	1.0
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	^c cn	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	0.12	J ^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.25	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	0.10
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.61		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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-16-0/1-0
Lab Sample ID: 410-119839-7

Matrix: Water
Lab File ID: HM27X19.D

Analysis Method: 8260D
Date Collected: 03/22/2023 10:34

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2023 01:18

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.: 357851
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	0.26	J	0.50	0.080
75-01-4	Vinyl chloride	ND	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		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\19094\20230327-79983.b\HM27X19.D
Lims ID: 410-119839-A-7
Client ID: HD-COD-SW-16-0/1-0
Sample Type: Client
Inject. Date: 28-Mar-2023 01:18:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-020
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2023 12:52:54 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1628

First Level Reviewer: innoonk Date: 28-Mar-2023 12:54:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.130	2.111	0.019	92	10021	0.1164	
7 Vinyl chloride	62		2.227				ND	7
9 Bromomethane	94		2.556				ND	
10 Chloroethane	64		2.629				ND	
18 1,1-Dichloroethene	96		3.489				ND	
19 Acetone	43	3.532	3.513	0.019	79	15351	2.27	
24 Carbon disulfide	76	3.788	3.788	0.000	83	5339	0.0342	
28 Methylene Chloride	84		4.135				ND	7
* 29 t-Butyl alcohol-d10 (IS)	65	4.166	4.160	0.006	22	105787	50.0	
33 Methyl tert-butyl ether	73		4.550				ND	
34 trans-1,2-Dichloroethene	96		4.562				ND	
37 1,1-Dichloroethane	63		5.220				ND	7
42 2-Butanone (MEK)	43		6.007				ND	7
43 cis-1,2-Dichloroethene	96	6.068	6.043	0.025	84	17768	0.2496	
49 Chlorobromomethane	128		6.379				ND	
52 Chloroform	83	6.549	6.531	0.018	24	6755	0.0591	
$ 53 Dibromofluoromethane (Surr)	113	6.751	6.744	0.007	94	587895	10.4	
54 1,1,1-Trichloroethane	97	6.775	6.763	0.012	35	4366	0.0410	
57 Carbon tetrachloride	117		6.982				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.208	7.196	0.012	52	109375	10.6	
60 Benzene	78		7.232				ND	7
62 1,2-Dichloroethane	62		7.305				ND	7
* 65 Fluorobenzene (IS)	96	7.647	7.641	0.006	99	2243369	10.0	
69 Trichloroethene	95	8.128	8.122	0.006	97	19548	0.2647	
71 1,2-Dichloropropane	63		8.457				ND	
77 Dichlorobromomethane	83		8.799				ND	7
81 cis-1,3-Dichloropropene	75		9.354				ND	
83 4-Methyl-2-pentanone (MIBK)	43		9.524				ND	7
$ 84 Toluene-d8 (Surr)	98	9.665	9.665	0.000	93	2343137	10.2	
85 Toluene	92	9.744	9.738	0.006	95	10151	0.0592	
86 trans-1,3-Dichloropropene	75		10.000				ND	
106 1,1,2-Trichloroethane	97		10.201				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.299	10.292	0.007	96	48449	0.6123	
109 2-Hexanone	43		10.414				ND	7
111 Chlorodibromomethane	129		10.579				ND	
112 Ethylene Dibromide	107		10.695				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.128	11.122	0.006	85	1885479	10.0	
115 Chlorobenzene	112		11.152				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.231				ND	
118 Ethylbenzene	91		11.237				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.353				ND	7
120 o-Xylene	106		11.676				ND	7
121 Styrene	104		11.695				ND	7
122 Bromoform	173		11.853				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.128	12.121	0.007	93	843166	9.00	
127 1,1,2,2-Tetrachloroethane	83		12.219				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	94	1040916	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

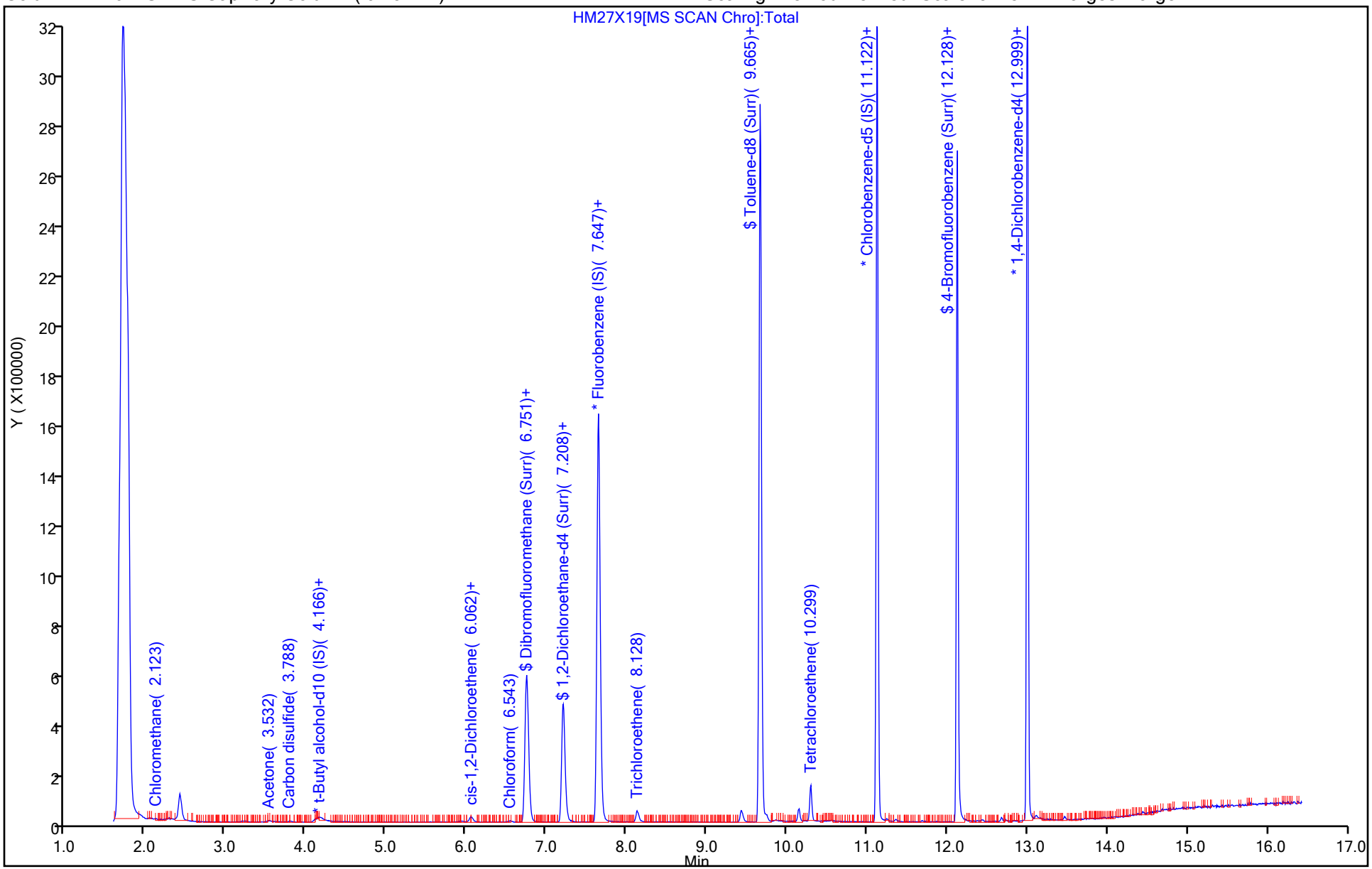
MSV_HP25_ISSS_00066 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 28-Mar-2023 12:54:11 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X19.D				
Injection Date:	28-Mar-2023 01:18:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-119839-A-7	Lab Sample ID:	410-119839-7	Worklist Smp#:	20
Client ID:	HD-COD-SW-16-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
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\20230327-79983.b\HM27X19.D				
Lims ID:	410-119839-A-7				
Client ID:	HD-COD-SW-16-0/1-0				
Sample Type:	Client				
Inject. Date:	28-Mar-2023 01:18:30	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-020				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	28-Mar-2023 12:52:54	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1628				

First Level Reviewer: innoonk Date: 28-Mar-2023 12:54:10

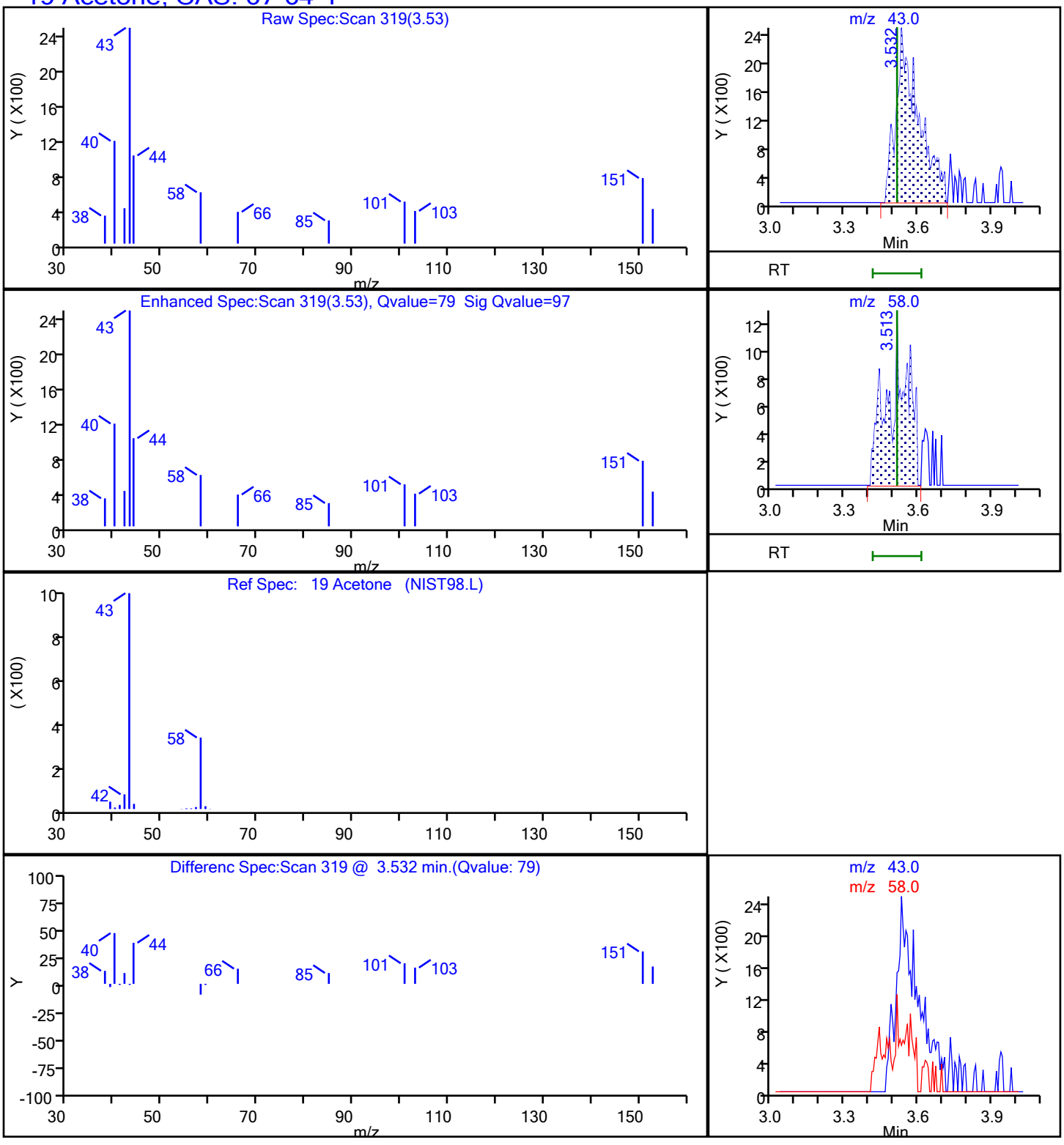
Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.4	103.54
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	105.56
$ 84 Toluene-d8 (Surr)	10.0	10.2	101.58
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.00	90.04

Report Date: 28-Mar-2023 12:54:11 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X19.D				
Injection Date:	28-Mar-2023 01:18:30	Instrument ID:	19094		
Lims ID:	410-119839-A-7	Lab Sample ID:	410-119839-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
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

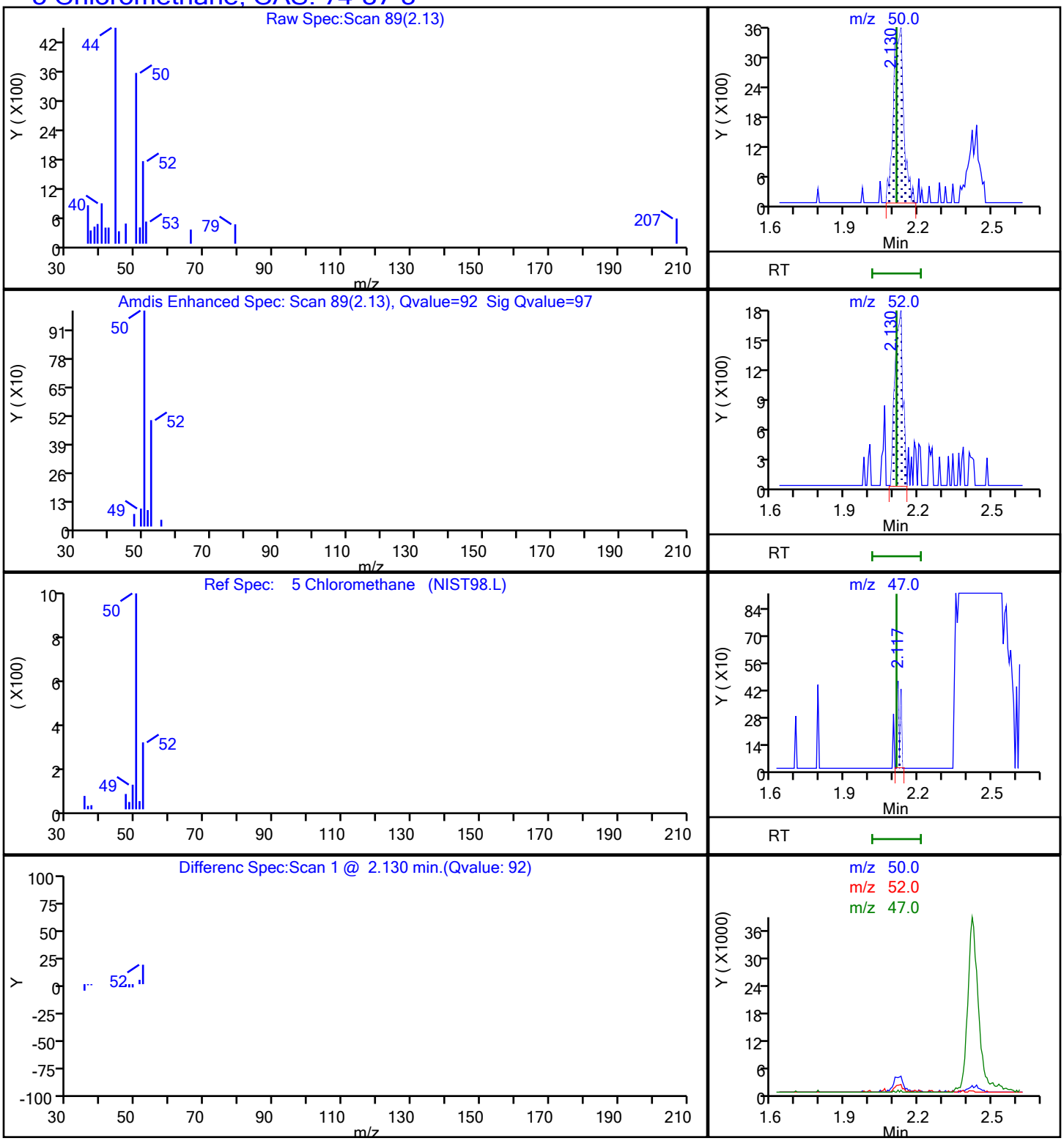


Report Date: 28-Mar-2023 12:54:11 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X19.D				
Injection Date:	28-Mar-2023 01:18:30	Instrument ID:	19094		
Lims ID:	410-119839-A-7	Lab Sample ID:	410-119839-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
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

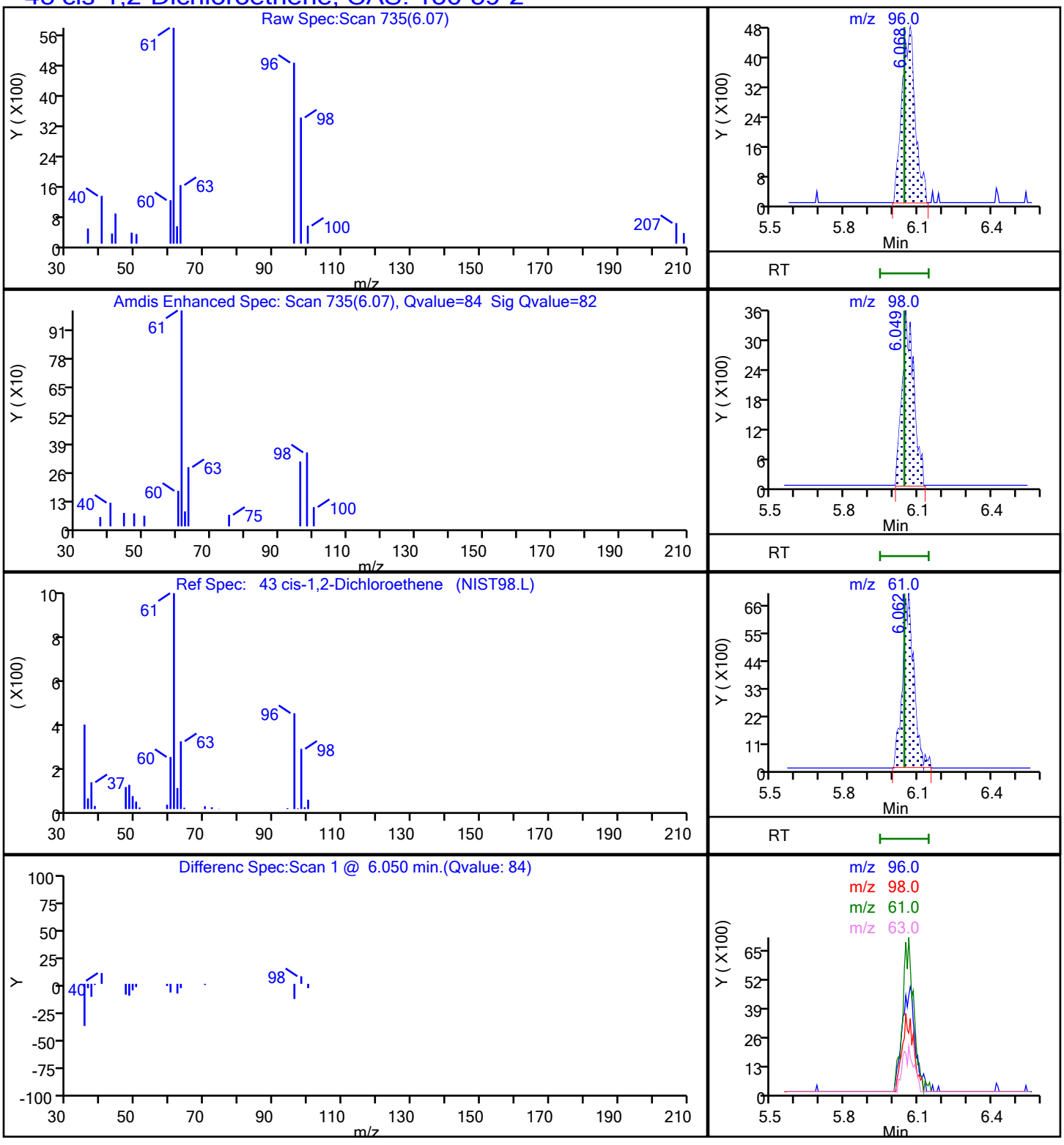


Report Date: 28-Mar-2023 12:54:11 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X19.D				
Injection Date:	28-Mar-2023 01:18:30	Instrument ID:	19094		
Lims ID:	410-119839-A-7	Lab Sample ID:	410-119839-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
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		

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

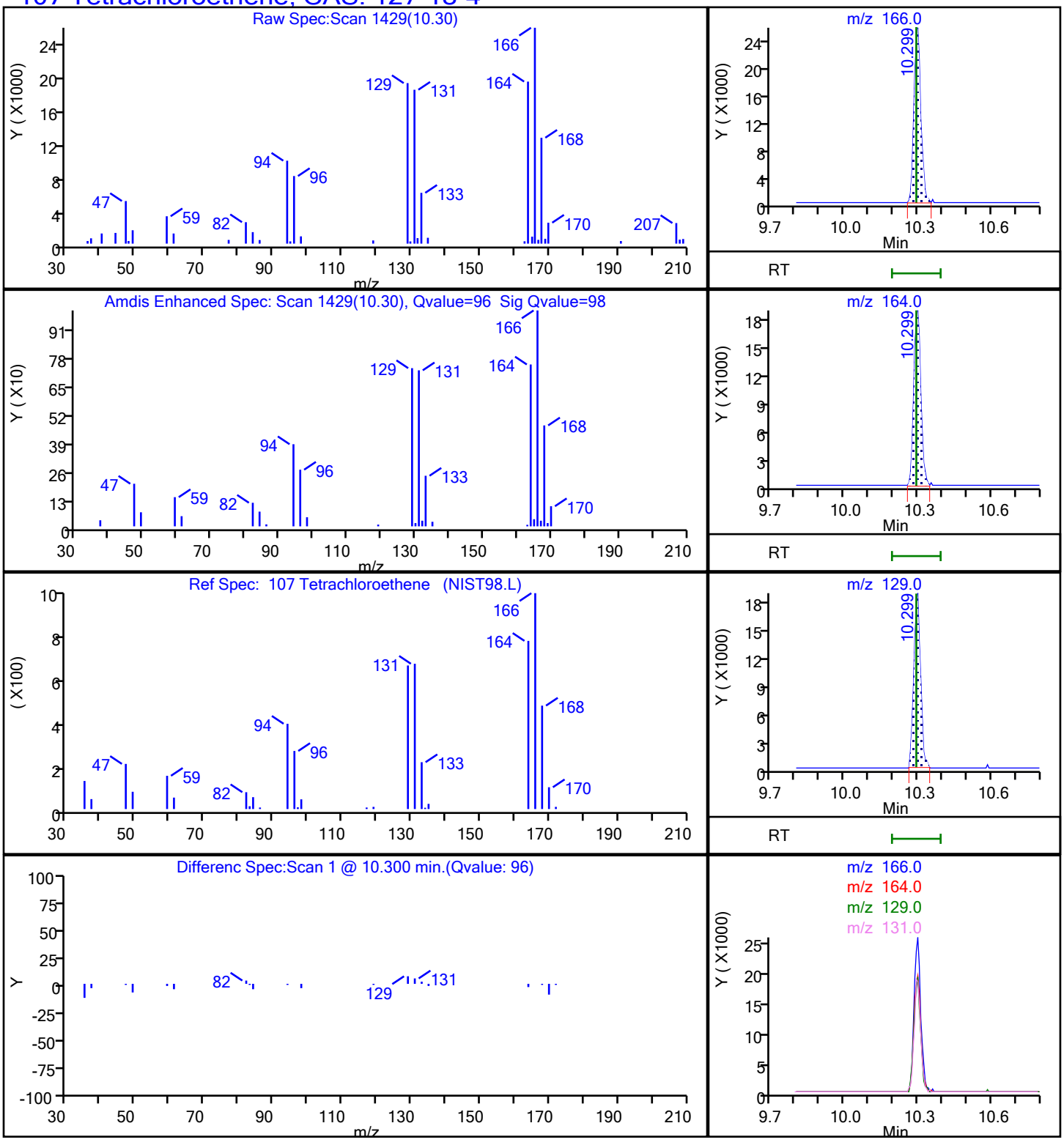


Report Date: 28-Mar-2023 12:54:11 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X19.D				
Injection Date:	28-Mar-2023 01:18:30	Instrument ID:	19094		
Lims ID:	410-119839-A-7	Lab Sample ID:	410-119839-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
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		

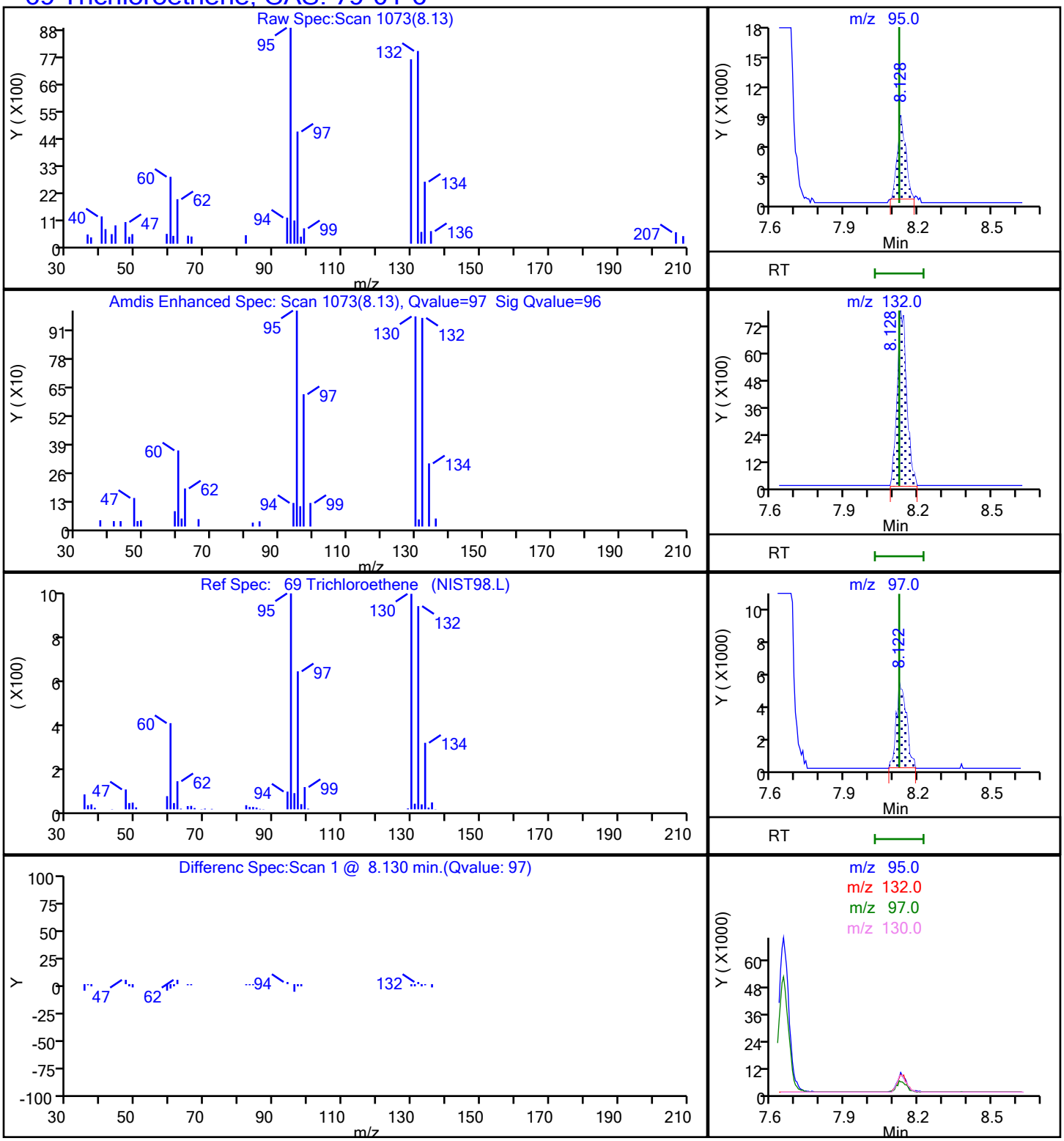
107 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X19.D				
Injection Date:	28-Mar-2023 01:18:30	Instrument ID:	19094		
Lims ID:	410-119839-A-7	Lab Sample ID:	410-119839-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
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 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0 Lab Sample ID: 410-119839-8

Matrix: Water Lab File ID: HM27X20.D

Analysis Method: 8260D Date Collected: 03/22/2023 10:45

Sample wt/vol: 25(mL) Date Analyzed: 03/28/2023 01:39

Soil Aliquot Vol: Dilution Factor: 1

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

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

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

Analysis Batch No.: 357851 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.1		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	1.3		0.50	0.10
75-35-4	1,1-Dichloroethene	0.41	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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
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	^c cn	1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.19	J	0.50	0.090
74-87-3	Chloromethane	0.11	J ^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	4.7		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.10
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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0
Lab Sample ID: 410-119839-8

Matrix: Water
Lab File ID: HM27X20.D

Analysis Method: 8260D
Date Collected: 03/22/2023 10:45

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2023 01:39

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 357851
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	4.0		0.50	0.080
75-01-4	Vinyl chloride	0.11	J ^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X20.D
Lims ID: 410-119839-A-8
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 28-Mar-2023 01:39:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-021
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2023 00:02:10 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1628

First Level Reviewer: innoonk Date: 28-Mar-2023 13:16:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.123	2.111	0.012	95	9579	0.1086	
7 Vinyl chloride	62	2.245	2.227	0.018	95	9796	0.1121	
9 Bromomethane	94		2.556				ND	
10 Chloroethane	64		2.629				ND	
18 1,1-Dichloroethene	96	3.507	3.489	0.018	96	24363	0.4076	
19 Acetone	43	3.599	3.513	0.086	66	4357	0.5861	
24 Carbon disulfide	76		3.788				ND	7
28 Methylene Chloride	84		4.135				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.184	4.160	0.024	23	116199	50.0	
33 Methyl tert-butyl ether	73		4.550				ND	7
34 trans-1,2-Dichloroethene	96	4.574	4.562	0.012	21	4151	0.0625	
37 1,1-Dichloroethane	63	5.233	5.220	0.013	96	156927	1.26	
42 2-Butanone (MEK)	43		6.007				ND	7
43 cis-1,2-Dichloroethene	96	6.062	6.043	0.019	79	344395	4.72	
49 Chlorobromomethane	128		6.379				ND	
52 Chloroform	83	6.543	6.531	0.012	89	22532	0.1924	
$ 53 Dibromofluoromethane (Surr)	113	6.751	6.744	0.007	94	608988	10.5	
54 1,1,1-Trichloroethane	97	6.775	6.763	0.012	99	559077	5.13	
57 Carbon tetrachloride	117		6.982				ND	7
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.208	7.196	0.012	52	112074	10.6	
60 Benzene	78		7.232				ND	7
62 1,2-Dichloroethane	62		7.305				ND	7
* 65 Fluorobenzene (IS)	96	7.647	7.641	0.006	99	2298211	10.0	
69 Trichloroethene	95	8.134	8.122	0.012	98	299168	3.95	
71 1,2-Dichloropropane	63		8.457				ND	
77 Dichlorobromomethane	83		8.799				ND	
81 cis-1,3-Dichloropropene	75		9.354				ND	
83 4-Methyl-2-pentanone (MIBK)	43		9.524				ND	
$ 84 Toluene-d8 (Surr)	98	9.671	9.665	0.006	93	2417680	10.0	
85 Toluene	92	9.738	9.738	0.000	95	4902	0.0274	
86 trans-1,3-Dichloropropene	75		10.000				ND	
106 1,1,2-Trichloroethane	97		10.201				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.299	10.292	0.007	98	5767439	69.8	E
109 2-Hexanone	43		10.414				ND	
111 Chlorodibromomethane	129		10.579				ND	7
112 Ethylene Dibromide	107		10.695				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.128	11.122	0.006	85	1970273	10.0	
115 Chlorobenzene	112		11.152				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.231				ND	
118 Ethylbenzene	91		11.237				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.353				ND	7
120 o-Xylene	106		11.676				ND	7
121 Styrene	104		11.695				ND	7
122 Bromoform	173		11.853				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.128	12.121	0.007	93	867887	8.87	
127 1,1,2,2-Tetrachloroethane	83		12.219				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	95	1072311	10.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Reagents:

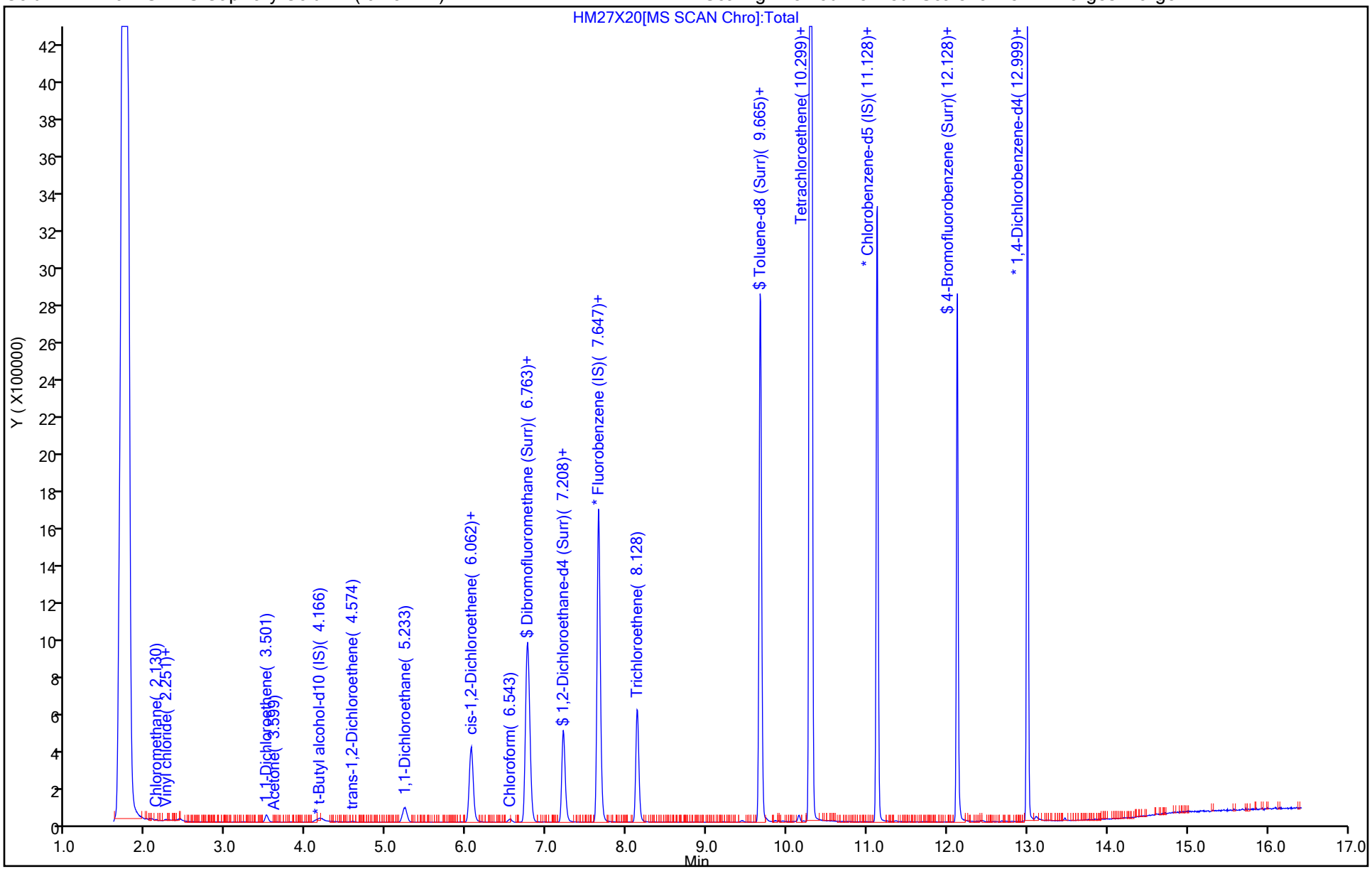
MSV_HP25_ISSS_00066 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 28-Mar-2023 13:16:15 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X20.D				
Injection Date:	28-Mar-2023 01:39:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-119839-A-8	Lab Sample ID:	410-119839-8	Worklist Smp#:	21
Client ID:	HD-COD-SW-17-0/1-0				
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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X20.D				
Lims ID:	410-119839-A-8				
Client ID:	HD-COD-SW-17-0/1-0				
Sample Type:	Client				
Inject. Date:	28-Mar-2023 01:39:30	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-021				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	28-Mar-2023 00:02:10	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1628				

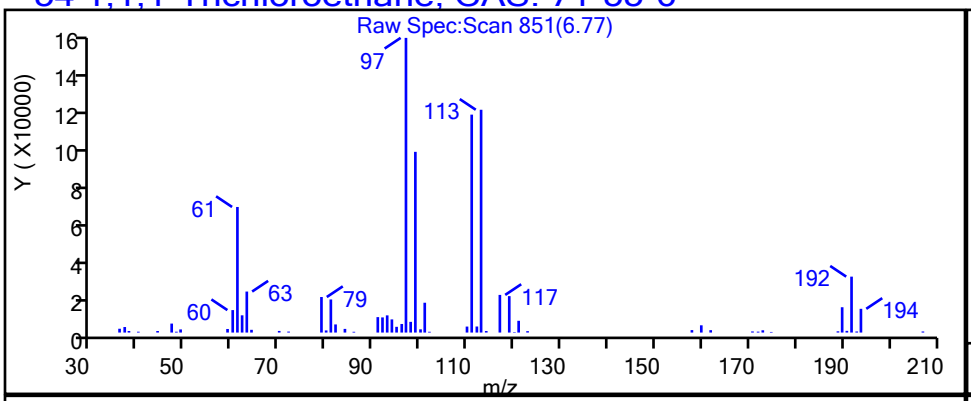
First Level Reviewer: innoonk Date: 28-Mar-2023 13:16:15

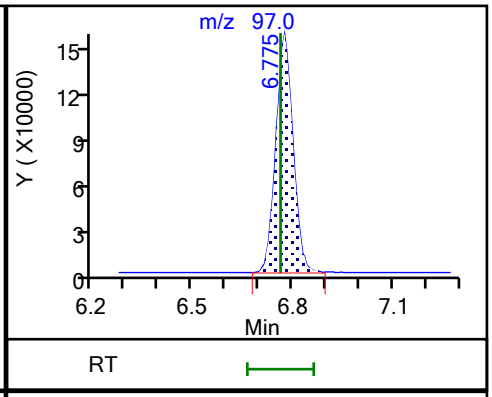
Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.5	104.69
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	105.59
$ 84 Toluene-d8 (Surr)	10.0	10.0	100.30
$ 126 4-Bromofluorobenzene (Surr)	10.0	8.87	88.69

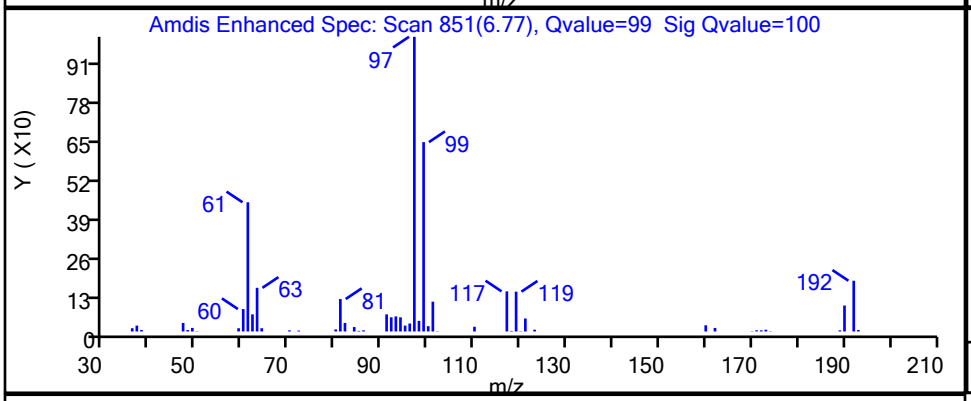
Eurofins Lancaster Laboratories Environment Testing, LLC

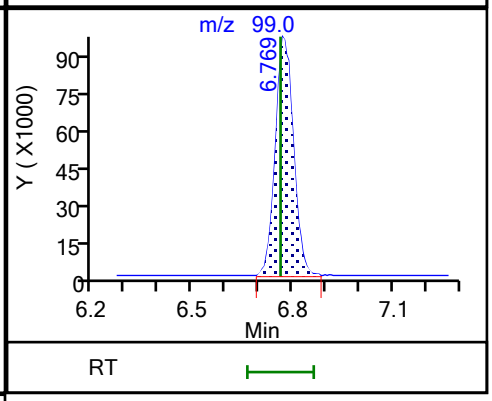
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X20.D				
Injection Date:	28-Mar-2023 01:39:30	Instrument ID:	19094		
Lims ID:	410-119839-A-8	Lab Sample ID:	410-119839-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

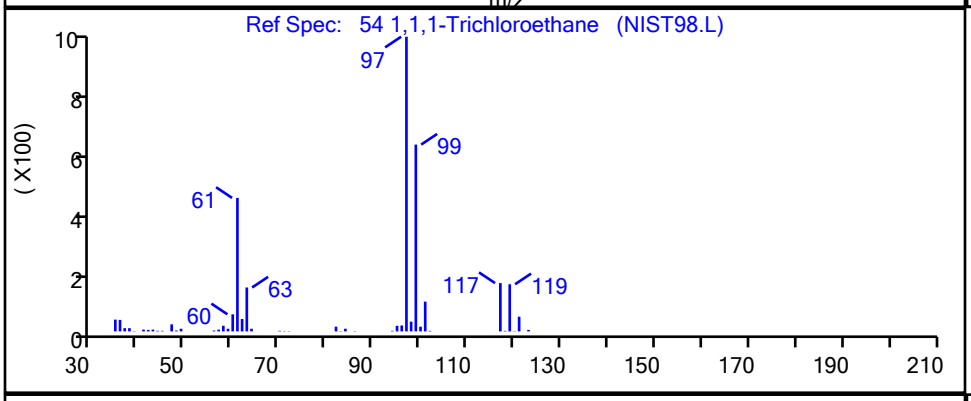
54 1,1,1-Trichloroethane, CAS: 71-55-6

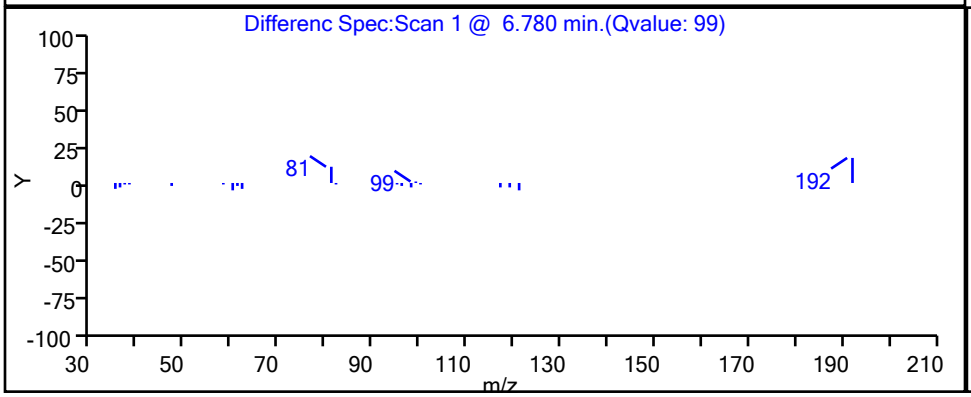


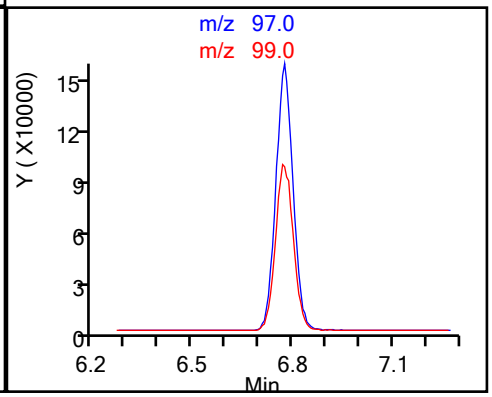










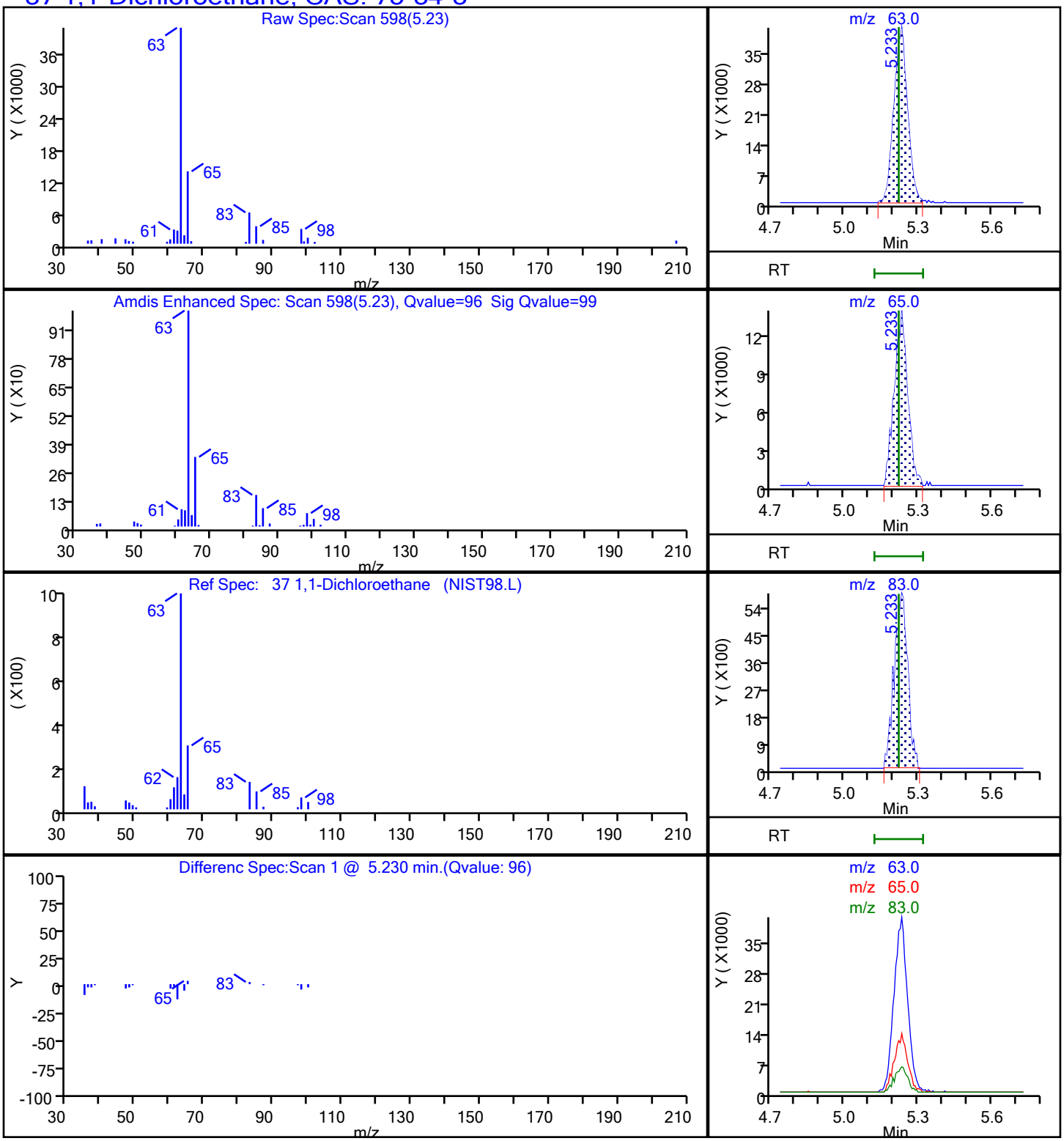


Report Date: 28-Mar-2023 13:16:16 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X20.D				
Injection Date:	28-Mar-2023 01:39:30	Instrument ID:	19094		
Lims ID:	410-119839-A-8	Lab Sample ID:	410-119839-8		
Client ID:	HD-COD-SW-17-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

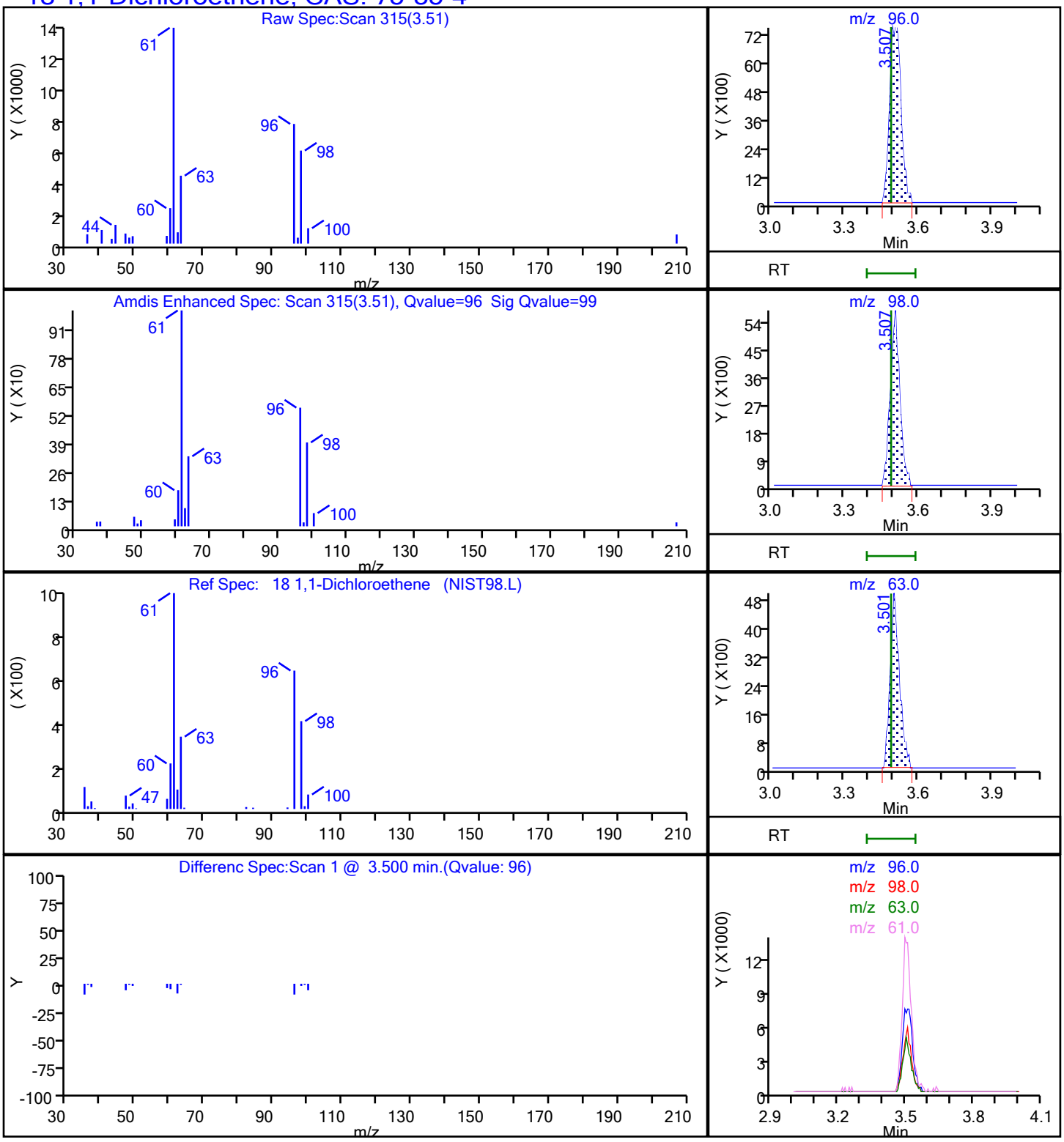
37 1,1-Dichloroethane, CAS: 75-34-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X20.D				
Injection Date:	28-Mar-2023 01:39:30	Instrument ID:	19094		
Lims ID:	410-119839-A-8	Lab Sample ID:	410-119839-8		
Client ID:	HD-COD-SW-17-0/1-0				
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		

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

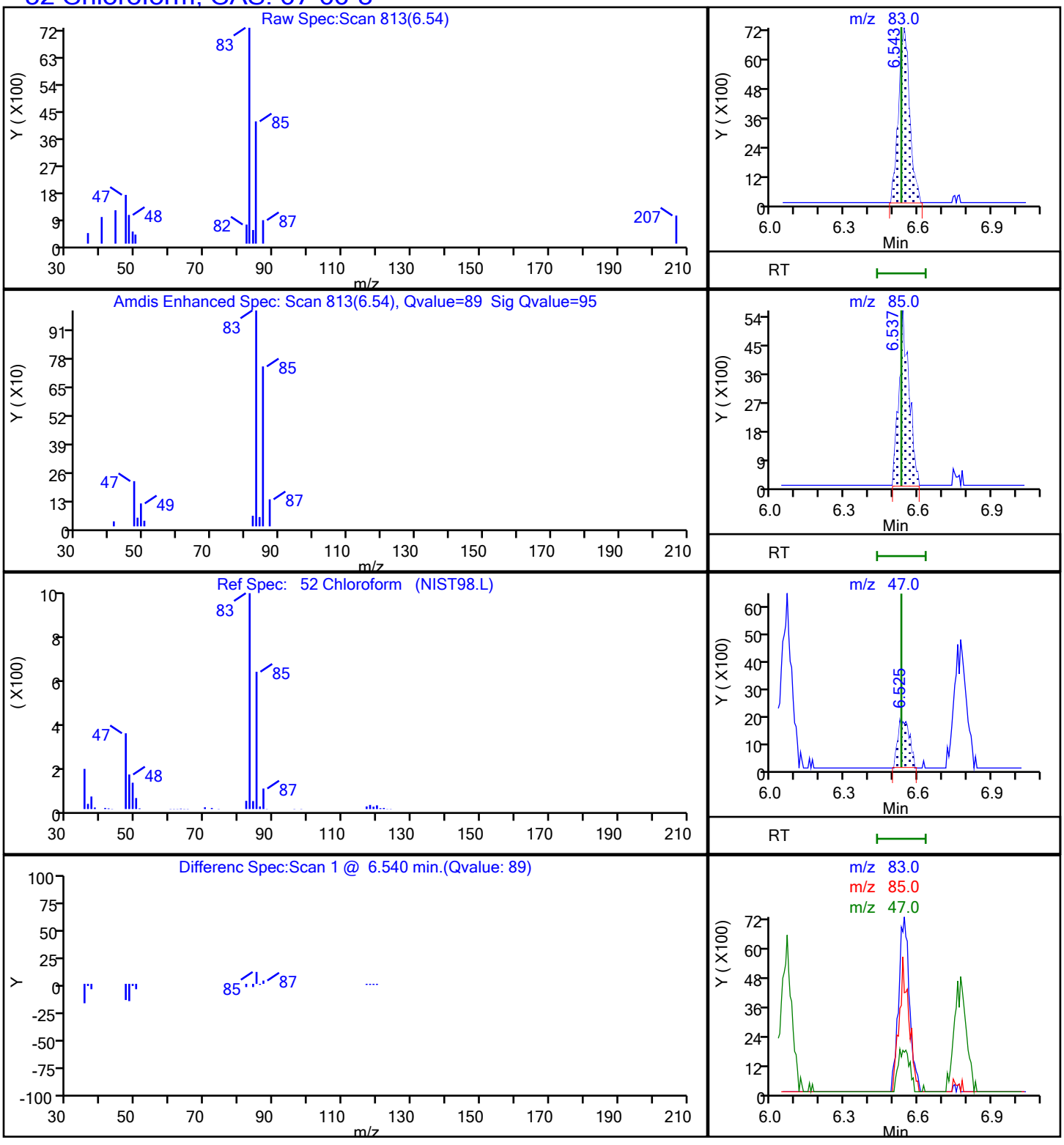


Report Date: 28-Mar-2023 13:16:16 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X20.D				
Injection Date:	28-Mar-2023 01:39:30	Instrument ID:	19094		
Lims ID:	410-119839-A-8	Lab Sample ID:	410-119839-8		
Client ID:	HD-COD-SW-17-0/1-0				
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		

52 Chloroform, CAS: 67-66-3



Report Date: 28-Mar-2023 13:16:15 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X20.D

Injection Date: 28-Mar-2023 01:39:30 Instrument ID: 19094

Lims ID: 410-119839-A-8 Lab Sample ID: 410-119839-8

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

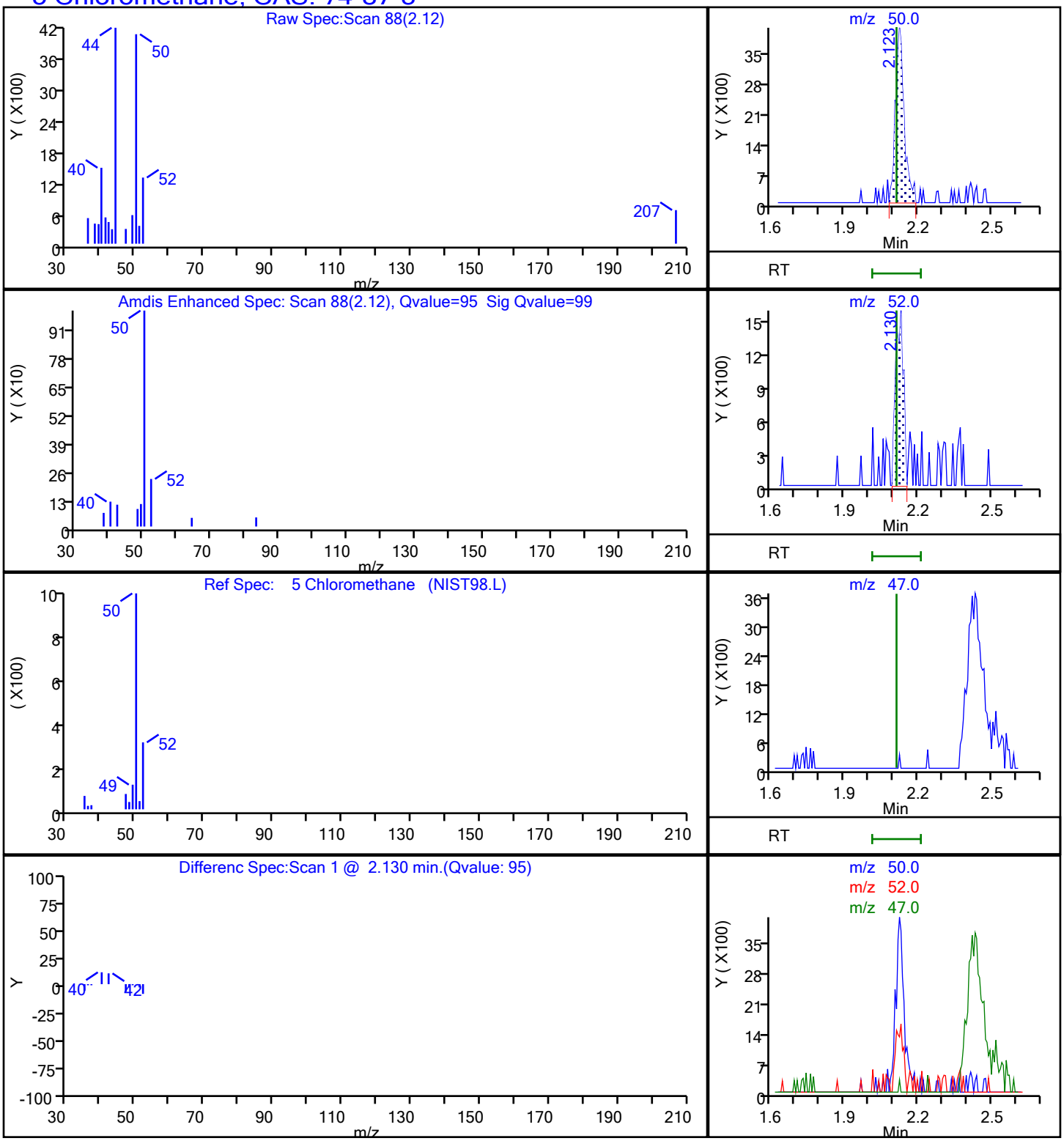
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 21

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_19094_25mL Limit Group: MSV - 8260C_D

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

5 Chloromethane, CAS: 74-87-3



Report Date: 28-Mar-2023 13:16:16 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X20.D

Injection Date: 28-Mar-2023 01:39:30 Instrument ID: 19094

Lims ID: 410-119839-A-8 Lab Sample ID: 410-119839-8

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

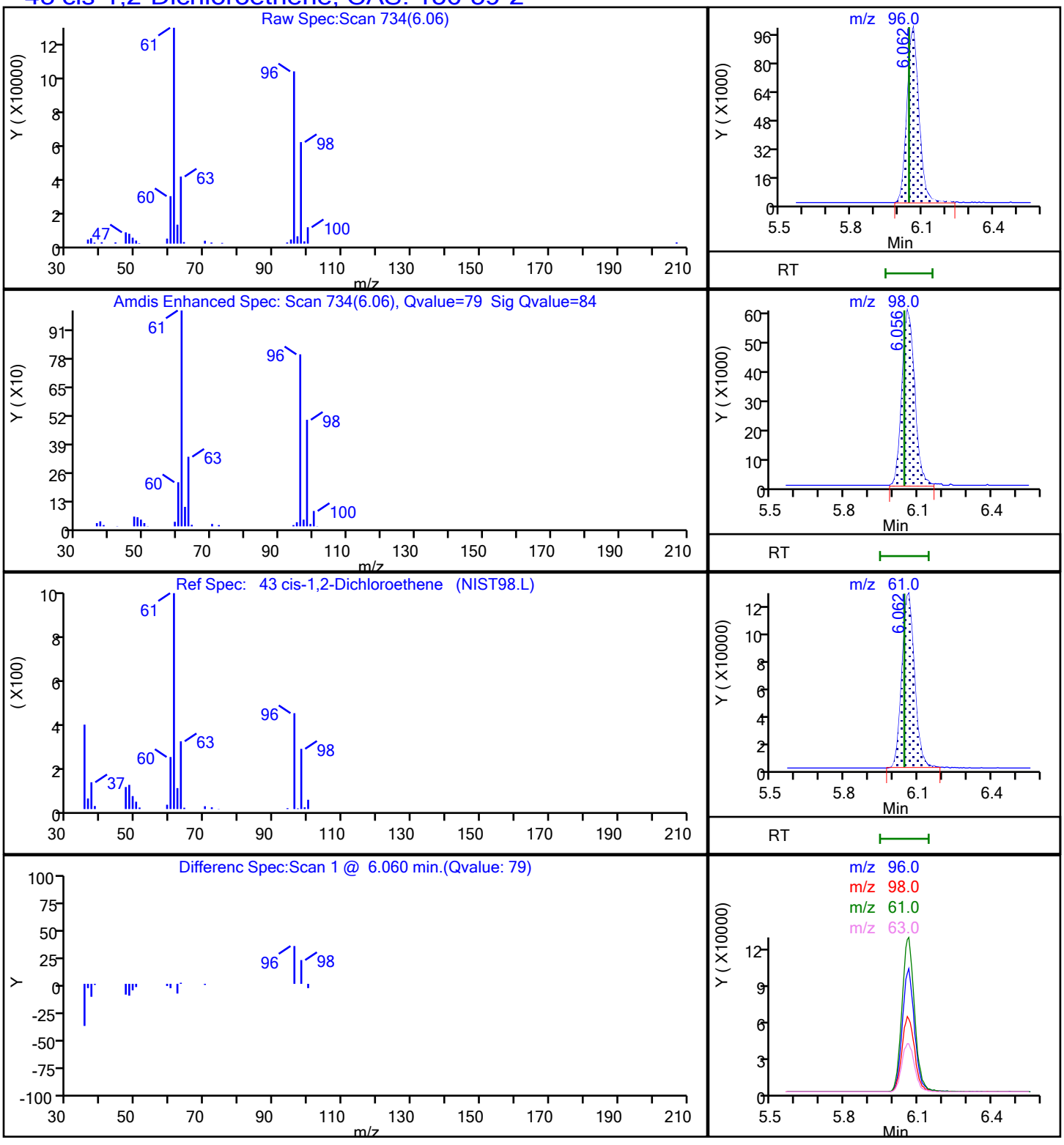
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 21

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

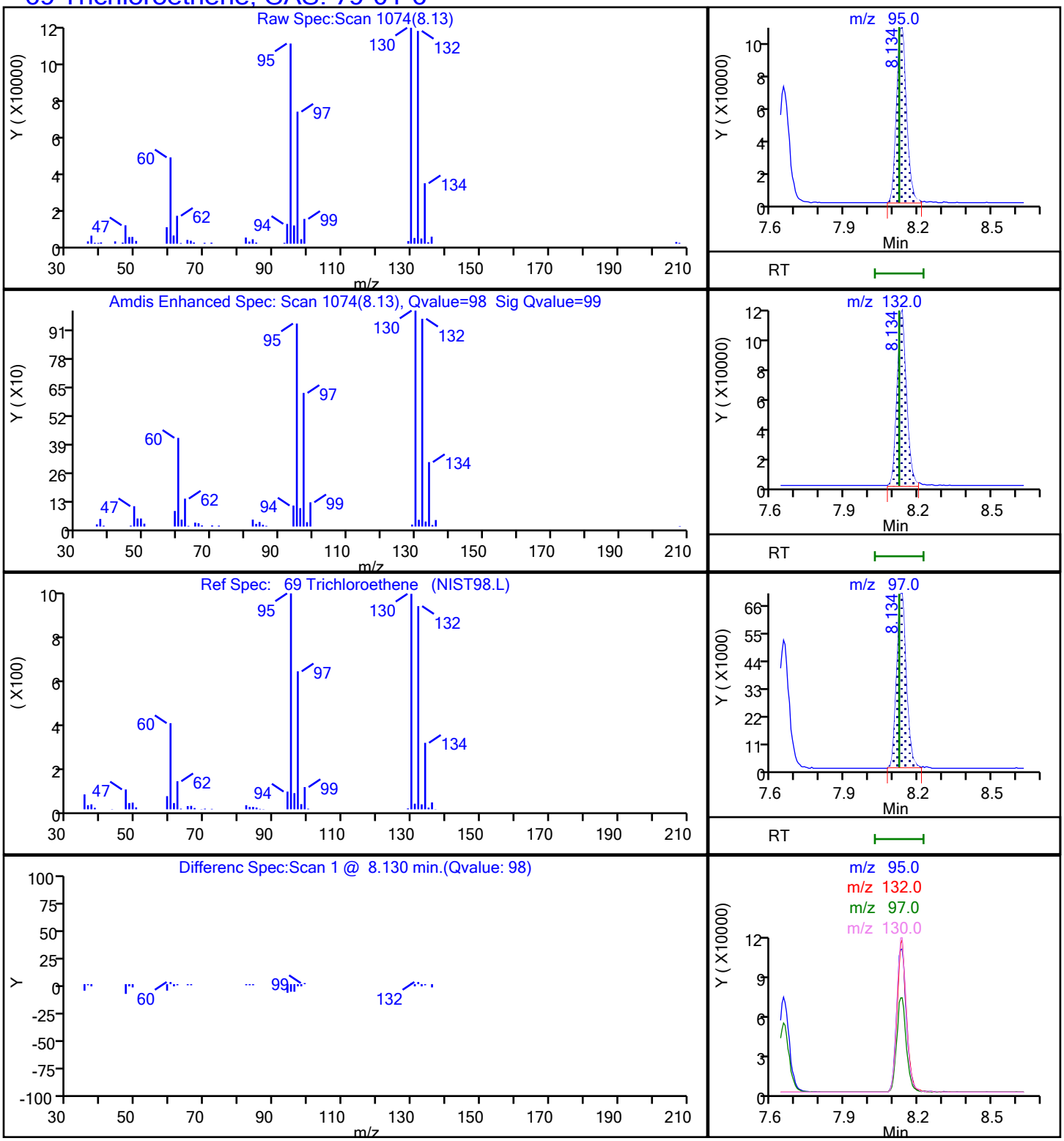
43 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X20.D				
Injection Date:	28-Mar-2023 01:39:30	Instrument ID:	19094		
Lims ID:	410-119839-A-8	Lab Sample ID:	410-119839-8		
Client ID:	HD-COD-SW-17-0/1-0				
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		

69 Trichloroethene, CAS: 79-01-6

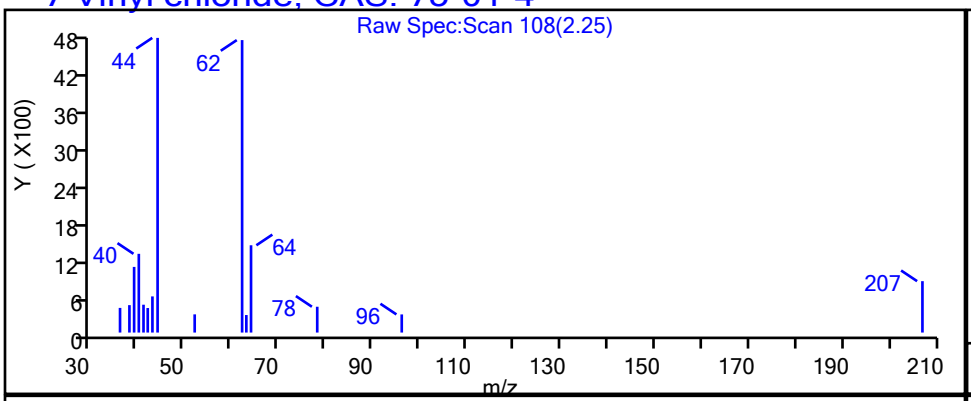


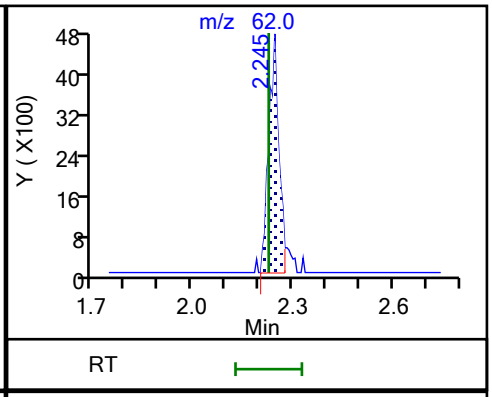
Report Date: 28-Mar-2023 13:16:16 Chrom Revision: 2.3 16-Mar-2023 15:40:40

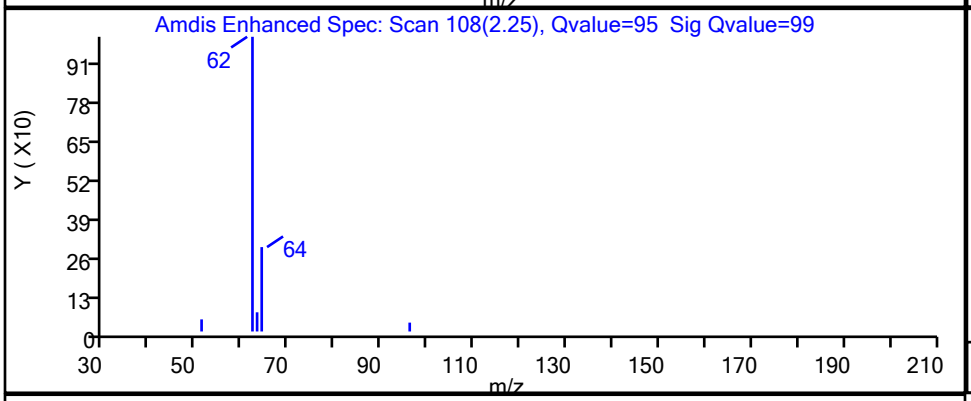
Eurofins Lancaster Laboratories Environment Testing, LLC

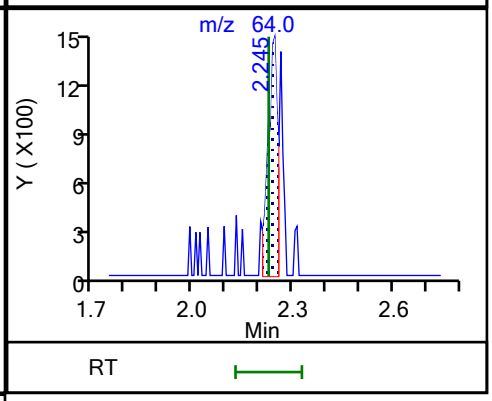
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X20.D				
Injection Date:	28-Mar-2023 01:39:30	Instrument ID:	19094		
Lims ID:	410-119839-A-8	Lab Sample ID:	410-119839-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

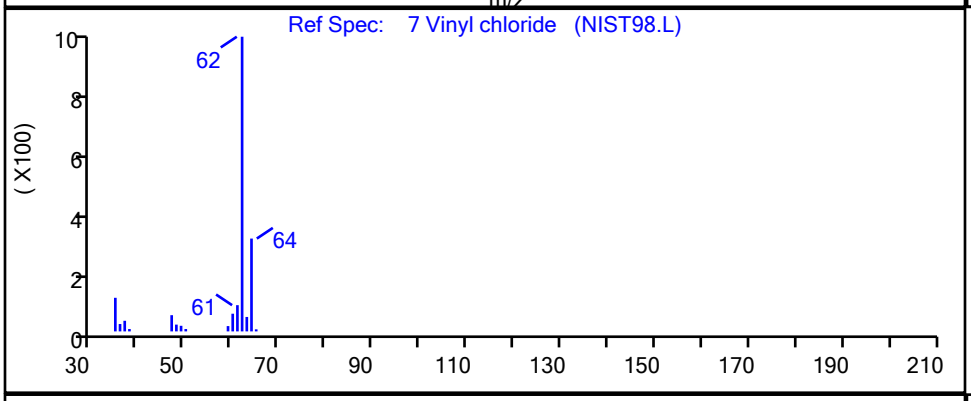
7 Vinyl chloride, CAS: 75-01-4

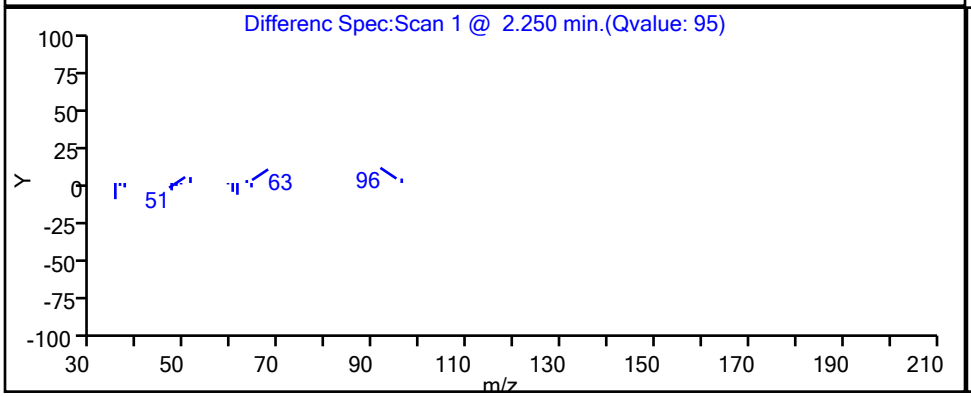


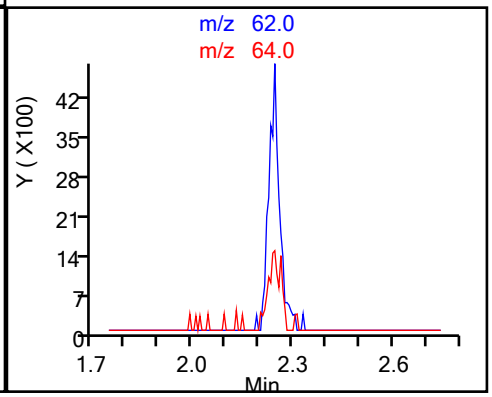












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0 DL
Lab Sample ID: 410-119839-8 DL

Matrix: Water
Lab File ID: IM29X17.D

Analysis Method: 8260D
Date Collected: 03/22/2023 10:45

Sample wt/vol: 25(mL)
Date Analyzed: 03/30/2023 01:09

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.: 358849
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	49		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)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X17.D
Lims ID: 410-119839-B-8 DL
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 30-Mar-2023 01:09:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0080205-018
Operator ID: mec29284 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 30-Mar-2023 12:54:11 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: kaewrungrueangp Date: 30-Mar-2023 12:54:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.087				ND	
5 Vinyl chloride	62		2.197				ND	7
7 Bromomethane	94		2.526				ND	
8 Chloroethane	64		2.599				ND	
15 1,1-Dichloroethene	96	3.440	3.434	0.006	26	1889	0.0347	
16 Acetone	43		3.465				ND	U
20 Carbon disulfide	76		3.733				ND	7
25 Methylene Chloride	84		4.074				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	4.129	4.099	0.030	22	135811	50.0	
29 Methyl tert-butyl ether	73		4.477				ND	
30 trans-1,2-Dichloroethene	96		4.489				ND	
32 1,1-Dichloroethane	63	5.172	5.147	0.025	95	11433	0.1030	a
38 2-Butanone (MEK)	43		5.946				ND	7
39 cis-1,2-Dichloroethene	96	5.989	5.982	0.007	79	28947	0.4328	
46 Chlorobromomethane	128		6.312				ND	
48 Chloroform	83		6.464				ND	7
$ 49 Dibromofluoromethane (Surr)	113	6.684	6.677	0.007	94	579900	10.4	
50 1,1,1-Trichloroethane	97	6.696	6.690	0.006	38	41863	0.3886	
54 Carbon tetrachloride	117		6.903				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.135	7.128	0.007	63	109505	10.3	
57 Benzene	78		7.159				ND	
58 1,2-Dichloroethane	62		7.232				ND	
* 61 Fluorobenzene (IS)	96	7.568	7.567	0.001	99	2110920	10.0	
64 Trichloroethene	95	8.055	8.049	0.006	96	22728	0.3293	
66 1,2-Dichloropropane	63		8.378				ND	
71 Dichlorobromomethane	83		8.720				ND	
76 cis-1,3-Dichloropropene	75		9.274				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.451				ND	
$ 78 Toluene-d8 (Surr)	98	9.592	9.591	0.001	94	2118676	9.72	
79 Toluene	92		9.665				ND	7
97 trans-1,3-Dichloropropene	75		9.927				ND	
100 1,1,2-Trichloroethane	97		10.134				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.226	10.225	0.001	98	442031	4.88	
103 2-Hexanone	43		10.347				ND	
105 Chlorodibromomethane	129		10.518				ND	
106 Ethylene Dibromide	107		10.628				ND	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	85	1693059	10.0	
109 Chlorobenzene	112		11.085				ND	
111 1,1,1,2-Tetrachloroethane	131		11.170				ND	
112 Ethylbenzene	91		11.170				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
113 m-Xylene & p-Xylene	106		11.286				ND	
114 o-Xylene	106		11.615				ND	
115 Styrene	104		11.634				ND	
116 Bromoform	173		11.792				ND	
$ 120 4-Bromofluorobenzene (Surr)	95	12.067	12.067	0.000	96	774767	9.75	
121 1,1,2,2-Tetrachloroethane	83		12.164				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.945	12.944	0.001	94	1048499	10.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

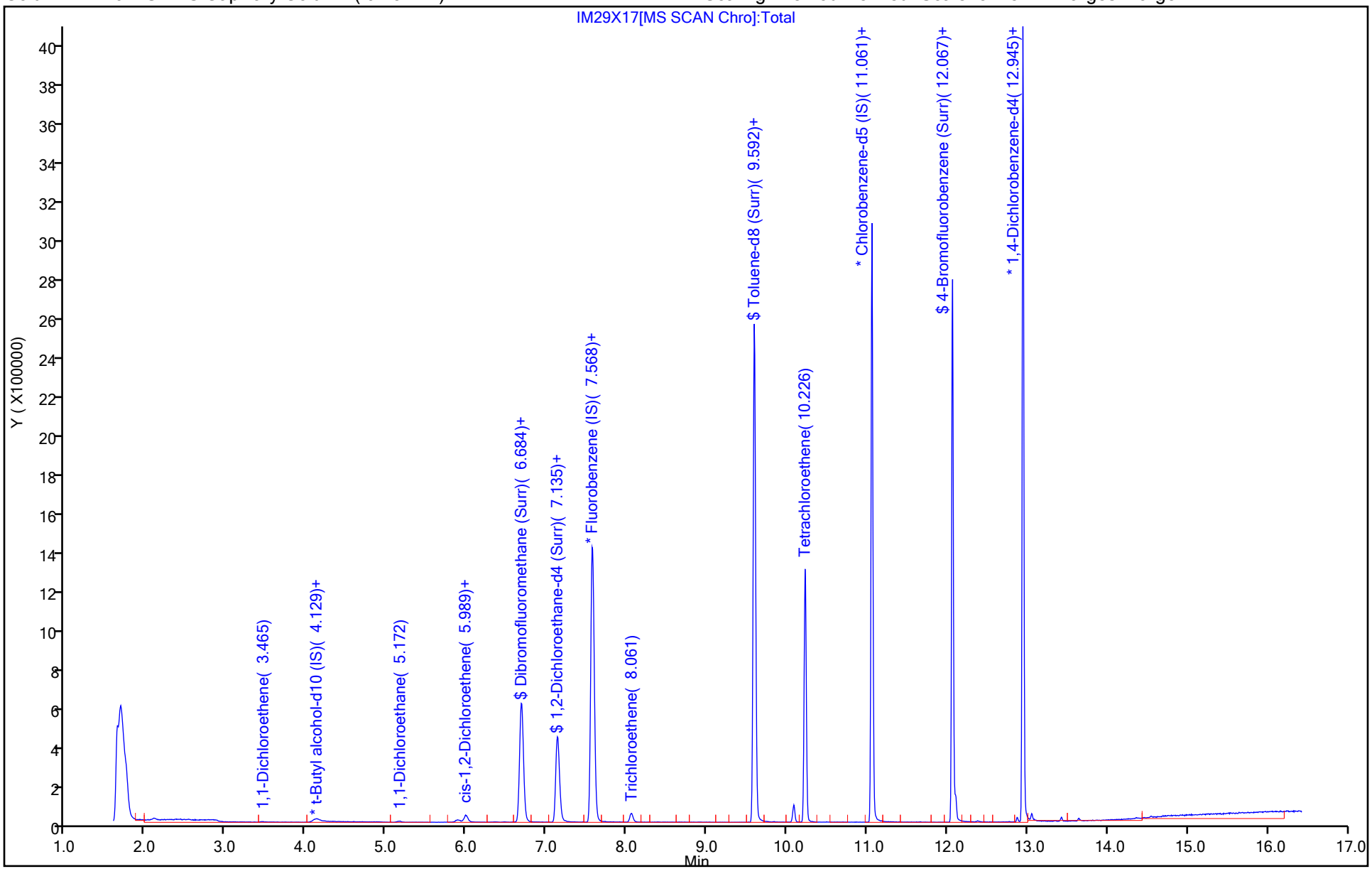
MSV_LLcentISS_00006 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 30-Mar-2023 12:54:11 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X17.D				
Injection Date:	30-Mar-2023 01:09:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	410-119839-B-8 DL	Lab Sample ID:	410-119839-8	Worklist Smp#:	18
Client ID:	HD-COD-SW-17-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	17
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X17.D				
Lims ID:	410-119839-B-8 DL				
Client ID:	HD-COD-SW-17-0/1-0				
Sample Type:	Client				
Inject. Date:	30-Mar-2023 01:09:30	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Sample Info:	410-0080205-018				
Operator ID:	mec29284	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20230329-80205.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	30-Mar-2023 12:54:11	Calib Date:	21-Mar-2023 06:02:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1672				

First Level Reviewer: kaewrungrueangp Date: 30-Mar-2023 12:54:11

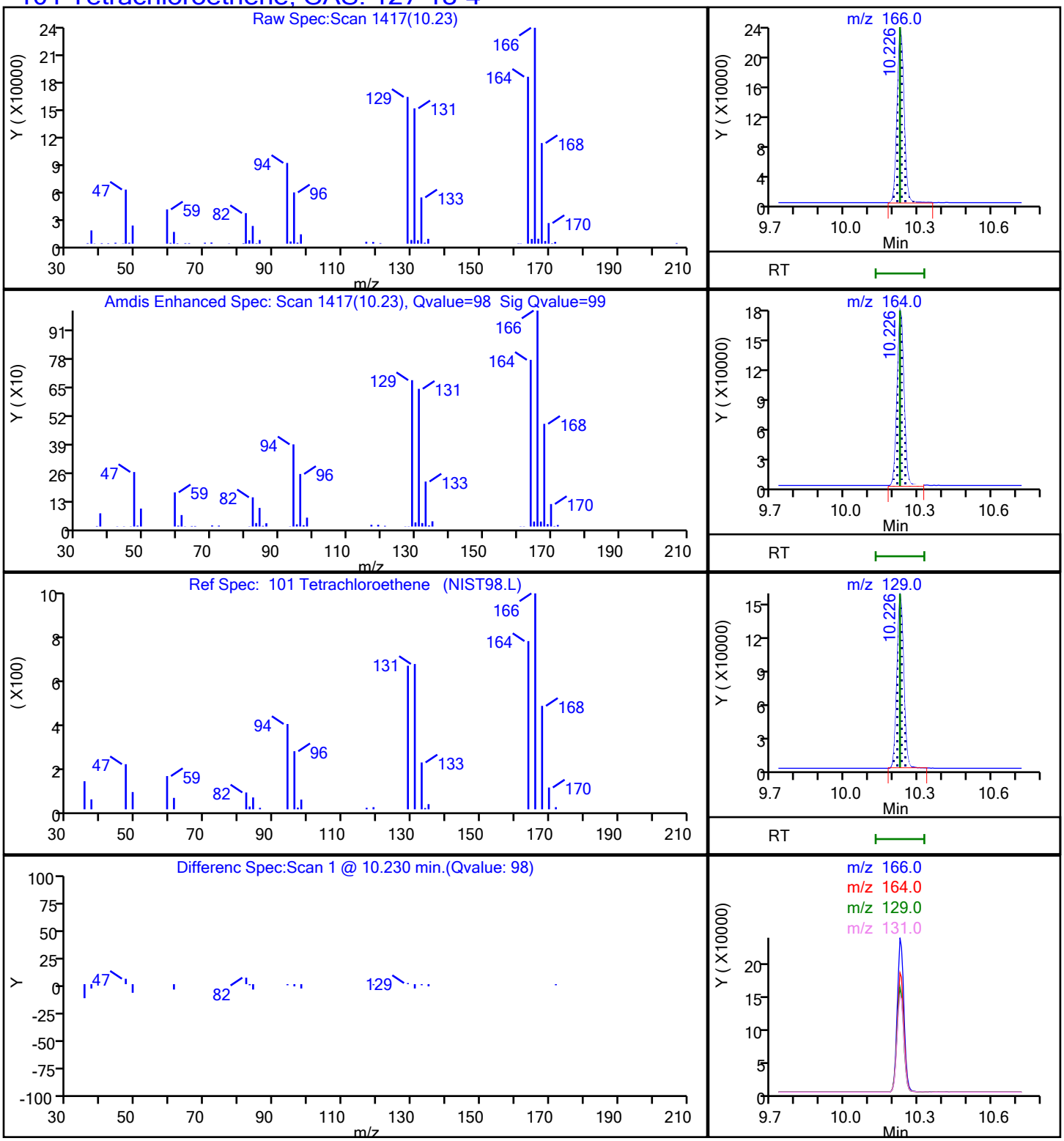
Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.4	103.69
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	103.23
$ 78 Toluene-d8 (Surr)	10.0	9.72	97.21
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.75	97.52

Report Date: 30-Mar-2023 12:54:11 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X17.D				
Injection Date:	30-Mar-2023 01:09:30	Instrument ID:	19930		
Lims ID:	410-119839-B-8 DL	Lab Sample ID:	410-119839-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	mec29284	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

101 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-26-0/1-0 Lab Sample ID: 410-119839-9

Matrix: Water Lab File ID: HM27X21.D

Analysis Method: 8260D Date Collected: 03/22/2023 12:05

Sample wt/vol: 25(mL) Date Analyzed: 03/28/2023 01:59

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.: 357851 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	0.16	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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
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	^c cn	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	0.47	J	0.50	0.090
74-87-3	Chloromethane	0.15	J ^c cn	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	0.10
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	4.2		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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-26-0/1-0
Lab Sample ID: 410-119839-9

Matrix: Water
Lab File ID: HM27X21.D

Analysis Method: 8260D
Date Collected: 03/22/2023 12:05

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2023 01:59

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.: 357851
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	0.17	J	0.50	0.080
75-01-4	Vinyl chloride	ND	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		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\20230327-79983.b\HM27X21.D
Lims ID: 410-119839-A-9
Client ID: HD-COD-SW-26-0/1-0
Sample Type: Client
Inject. Date: 28-Mar-2023 01:59:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-022
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2023 13:58:23 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1628

First Level Reviewer: innoonk Date: 28-Mar-2023 13:58:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.129	2.111	0.018	98	13028	0.1528	
7 Vinyl chloride	62		2.227				ND	
9 Bromomethane	94		2.556				ND	
10 Chloroethane	64		2.629				ND	
18 1,1-Dichloroethene	96	3.513	3.489	0.024	96	9210	0.1594	
19 Acetone	43		3.513				ND	U
24 Carbon disulfide	76		3.788				ND	7
28 Methylene Chloride	84		4.135				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.178	4.160	0.018	20	119709	50.0	
33 Methyl tert-butyl ether	73		4.550				ND	
34 trans-1,2-Dichloroethene	96		4.562				ND	
37 1,1-Dichloroethane	63		5.220				ND	7
42 2-Butanone (MEK)	43		6.007				ND	
43 cis-1,2-Dichloroethene	96	6.068	6.043	0.025	69	3937	0.0558	
49 Chlorobromomethane	128		6.379				ND	
52 Chloroform	83	6.537	6.531	0.006	93	53672	0.4741	
$ 53 Dibromofluoromethane (Surr)	113	6.750	6.744	0.006	93	586437	10.4	
54 1,1,1-Trichloroethane	97		6.763				ND	U
57 Carbon tetrachloride	117		6.982				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.208	7.196	0.012	52	106078	10.3	
60 Benzene	78		7.232				ND	7
62 1,2-Dichloroethane	62		7.305				ND	
* 65 Fluorobenzene (IS)	96	7.647	7.641	0.006	99	2221863	10.0	
69 Trichloroethene	95	8.128	8.122	0.006	96	12254	0.1675	M
71 1,2-Dichloropropane	63		8.457				ND	
77 Dichlorobromomethane	83		8.799				ND	7
81 cis-1,3-Dichloropropene	75		9.354				ND	
83 4-Methyl-2-pentanone (MIBK)	43		9.524				ND	7
$ 84 Toluene-d8 (Surr)	98	9.671	9.665	0.006	93	2327621	10.0	
85 Toluene	92		9.738				ND	7
86 trans-1,3-Dichloropropene	75		10.000				ND	
106 1,1,2-Trichloroethane	97		10.201				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.298	10.292	0.006	98	331694	4.17	
109 2-Hexanone	43		10.414				ND	
111 Chlorodibromomethane	129		10.579				ND	
112 Ethylene Dibromide	107		10.695				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.128	11.122	0.006	85	1896304	10.0	
115 Chlorobenzene	112		11.152				ND	
116 1,1,1,2-Tetrachloroethane	131		11.231				ND	
118 Ethylbenzene	91		11.237				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.353				ND	7
120 o-Xylene	106		11.676				ND	7
121 Styrene	104		11.695				ND	
122 Bromoform	173		11.853				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.127	12.121	0.006	93	847619	9.00	
127 1,1,2,2-Tetrachloroethane	83		12.219				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	94	1052242	10.0	

QC Flag Legend

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

Reagents:

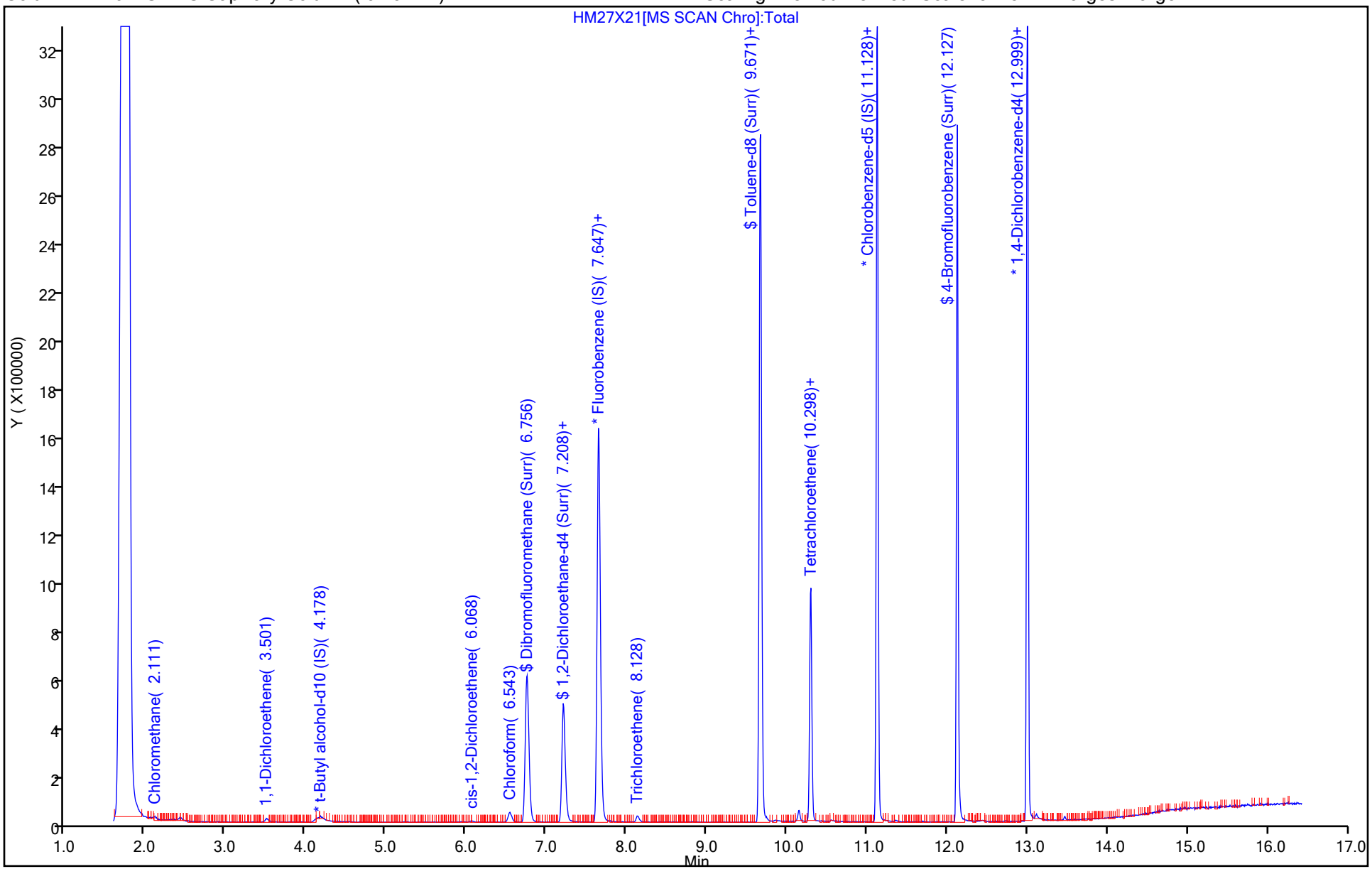
MSV_HP25_ISSS_00066 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 28-Mar-2023 13:58:24 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X21.D				
Injection Date:	28-Mar-2023 01:59:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-119839-A-9	Lab Sample ID:	410-119839-9	Worklist Smp#:	22
Client ID:	HD-COD-SW-26-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
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\20230327-79983.b\HM27X21.D				
Lims ID:	410-119839-A-9				
Client ID:	HD-COD-SW-26-0/1-0				
Sample Type:	Client				
Inject. Date:	28-Mar-2023 01:59:30	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-022				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	28-Mar-2023 13:58:23	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1628				

First Level Reviewer: innoonk Date: 28-Mar-2023 13:58:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.4	104.28
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	103.37
$ 84 Toluene-d8 (Surr)	10.0	10.0	100.33
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.00	90.00

Report Date: 28-Mar-2023 13:58:24 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X21.D

Injection Date: 28-Mar-2023 01:59:30 Instrument ID: 19094

Lims ID: 410-119839-A-9 Lab Sample ID: 410-119839-9

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

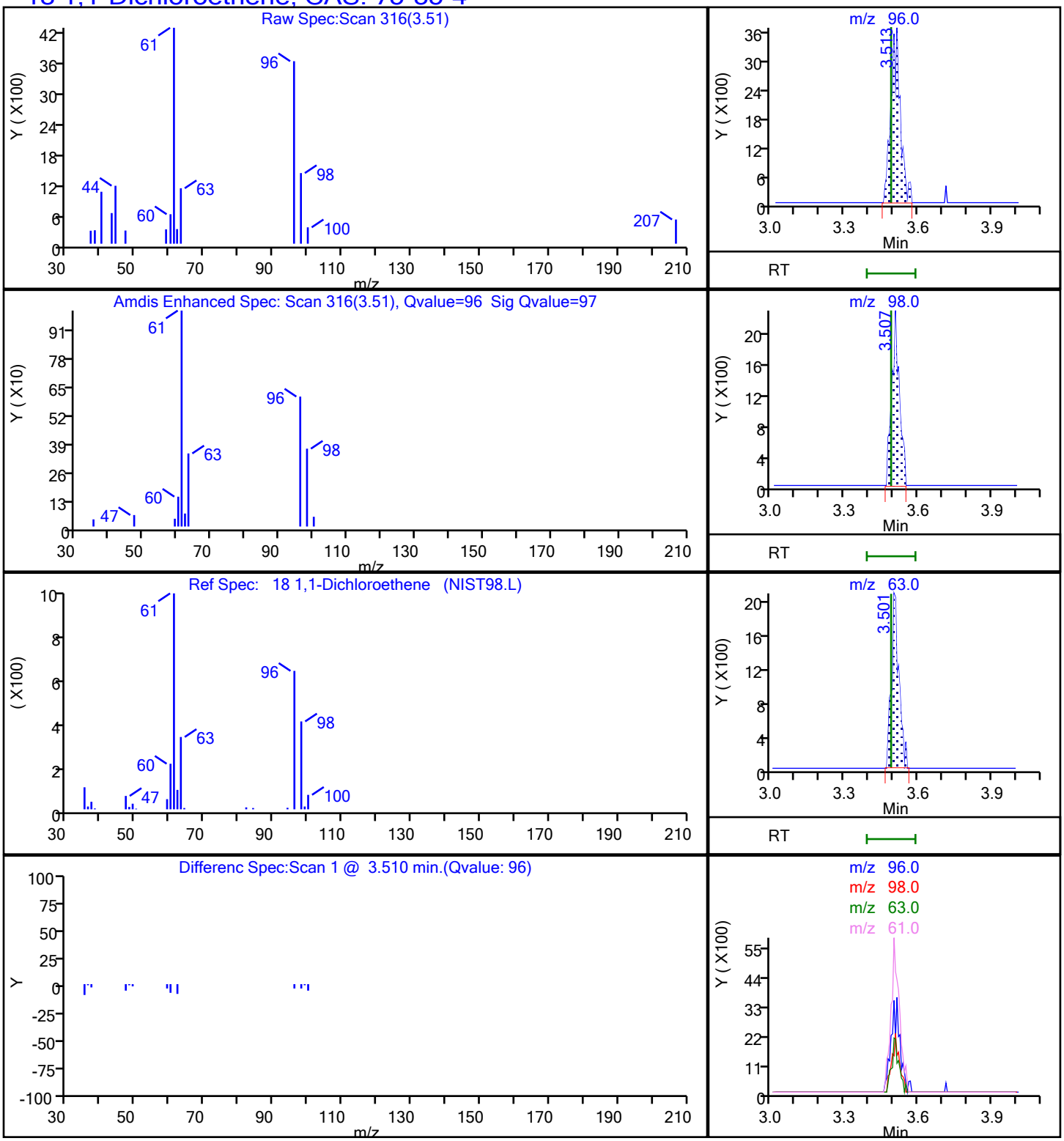
Operator ID: gaw91131 ALS Bottle#: 21 Worklist Smp#: 22

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

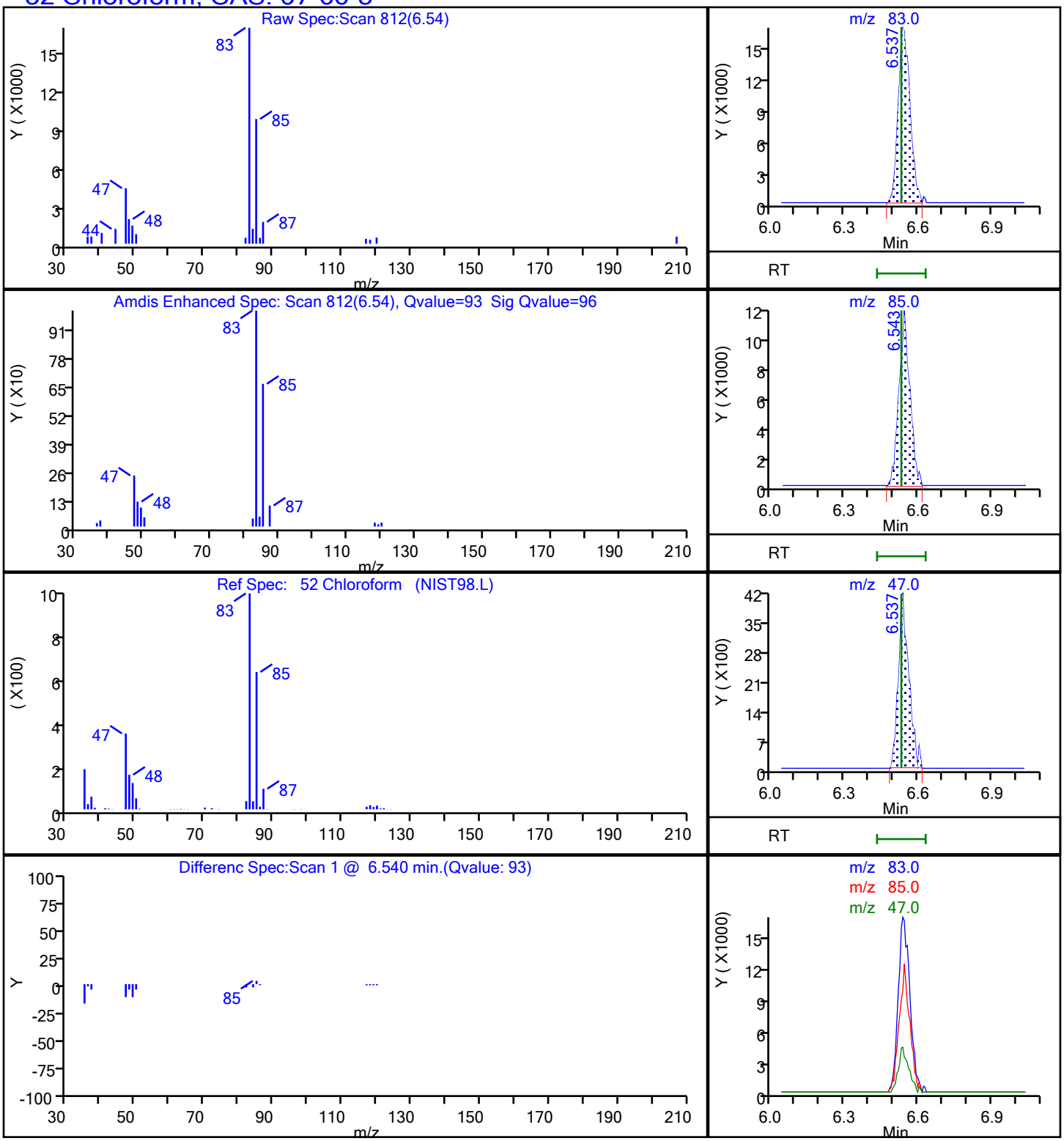
18 1,1-Dichloroethene, CAS: 75-35-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X21.D				
Injection Date:	28-Mar-2023 01:59:30	Instrument ID:	19094		
Lims ID:	410-119839-A-9	Lab Sample ID:	410-119839-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
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		

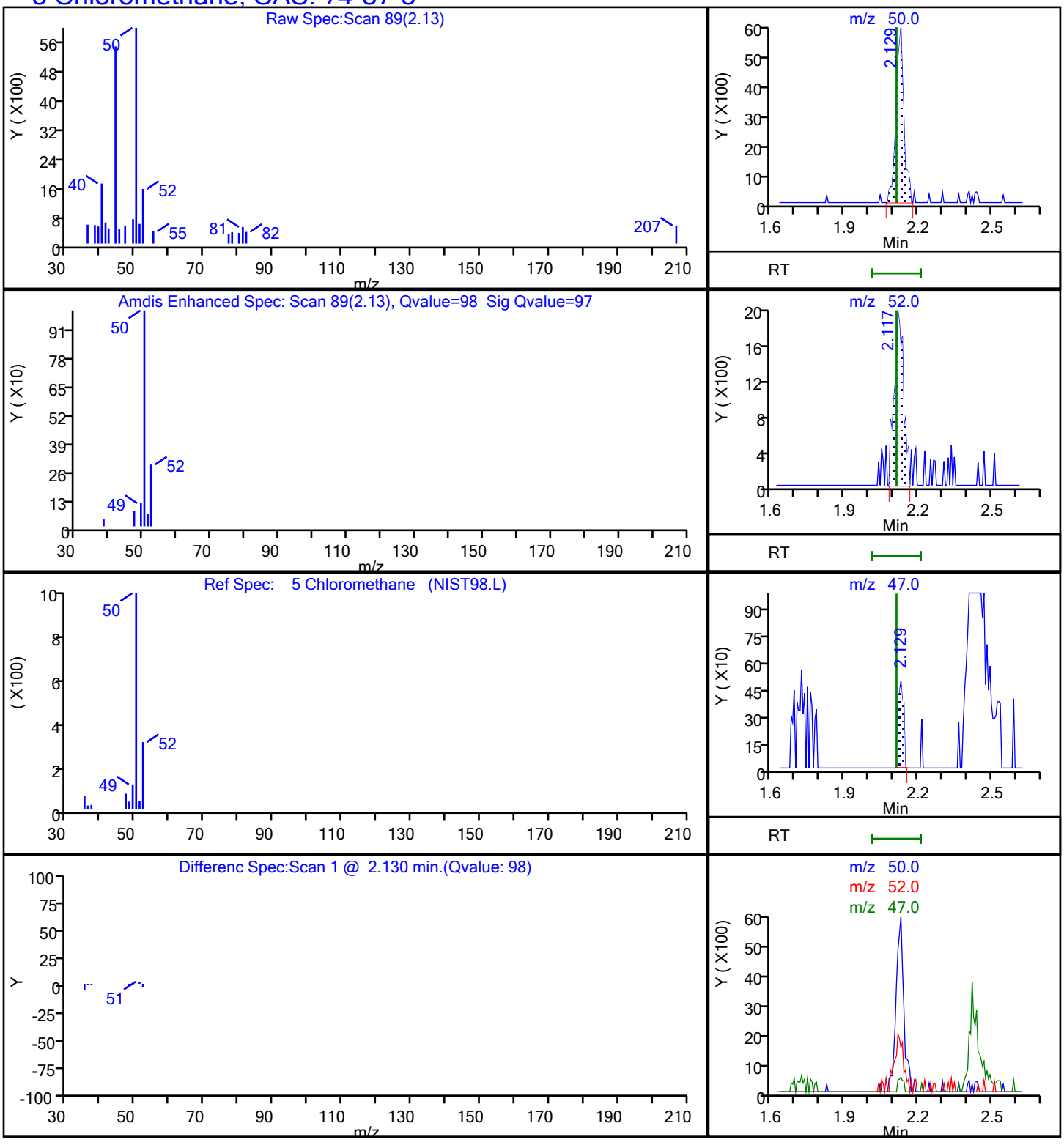
52 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X21.D				
Injection Date:	28-Mar-2023 01:59:30	Instrument ID:	19094		
Lims ID:	410-119839-A-9	Lab Sample ID:	410-119839-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
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

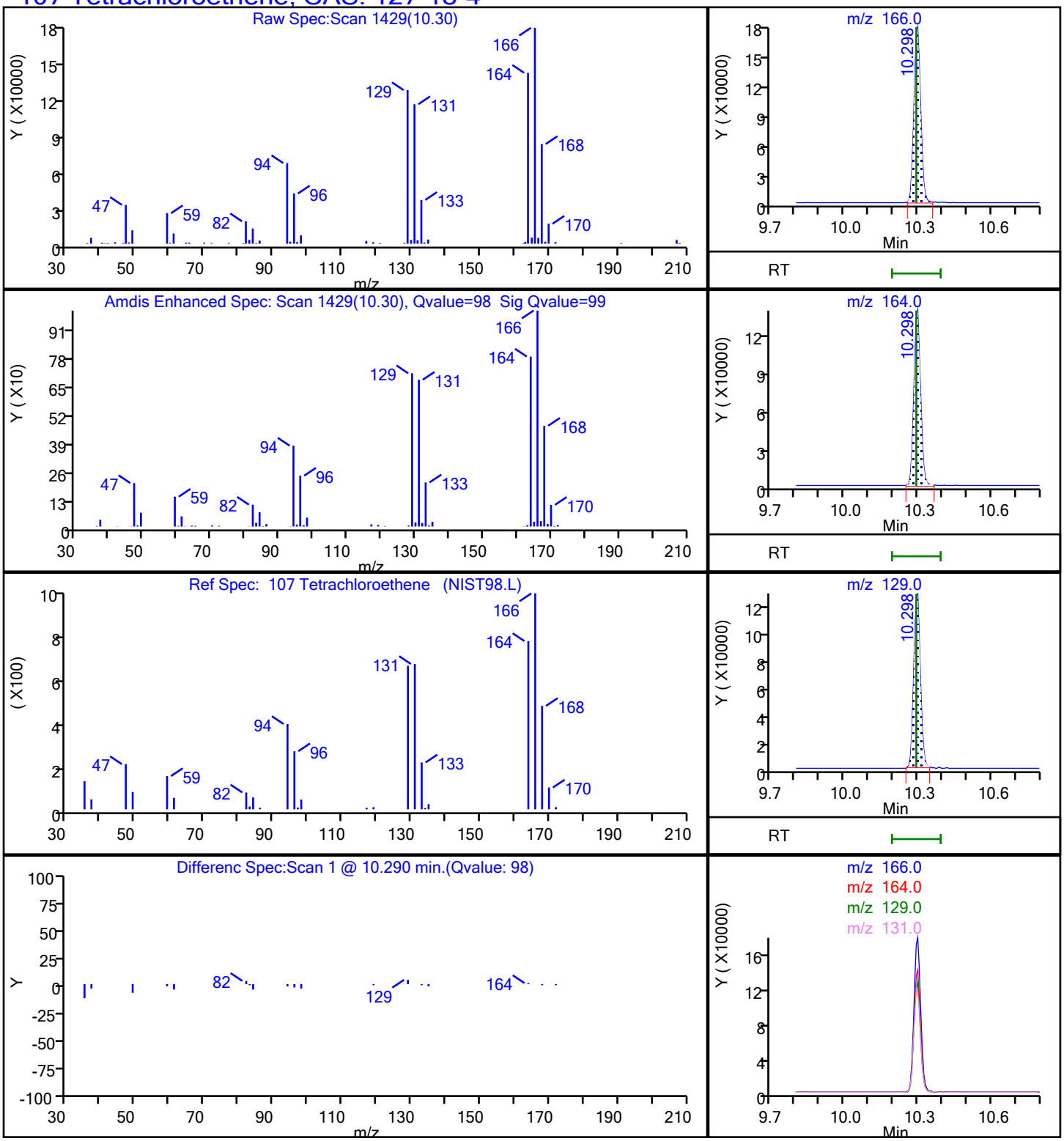


Report Date: 28-Mar-2023 13:58:24 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X21.D				
Injection Date:	28-Mar-2023 01:59:30	Instrument ID:	19094		
Lims ID:	410-119839-A-9	Lab Sample ID:	410-119839-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
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		

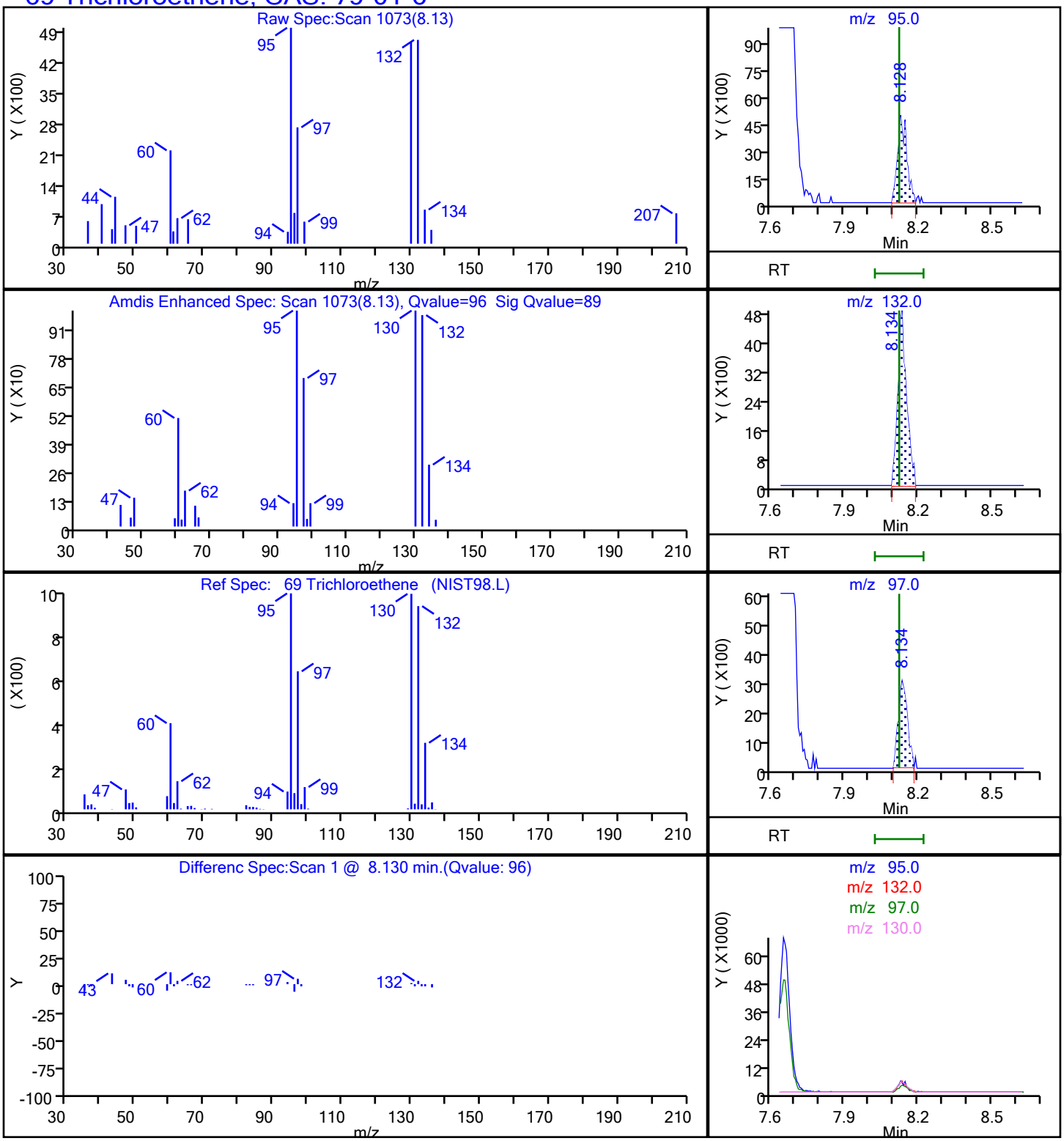
107 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X21.D				
Injection Date:	28-Mar-2023 01:59:30	Instrument ID:	19094		
Lims ID:	410-119839-A-9	Lab Sample ID:	410-119839-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
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 Trichloroethene, CAS: 79-01-6



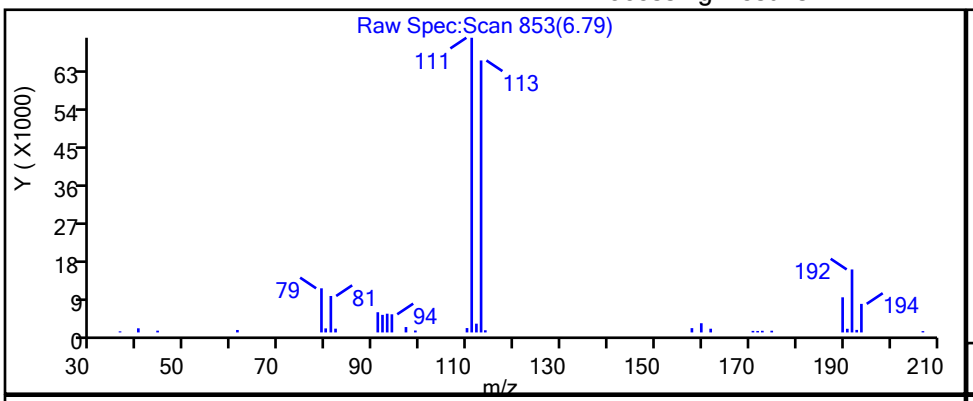
User Disabled Compound Report

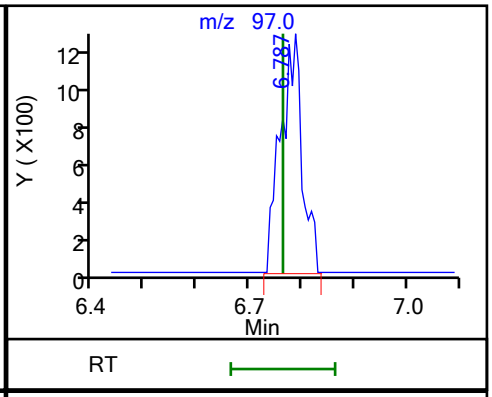
Eurofins Lancaster Laboratories Environment Testing, LLC

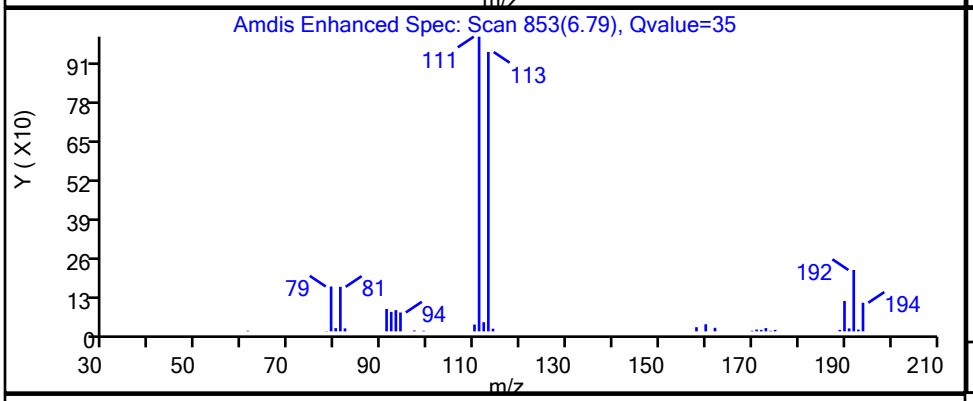
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X21.D				
Injection Date:	28-Mar-2023 01:59:30	Instrument ID:	19094		
Lims ID:	410-119839-A-9	Lab Sample ID:	410-119839-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

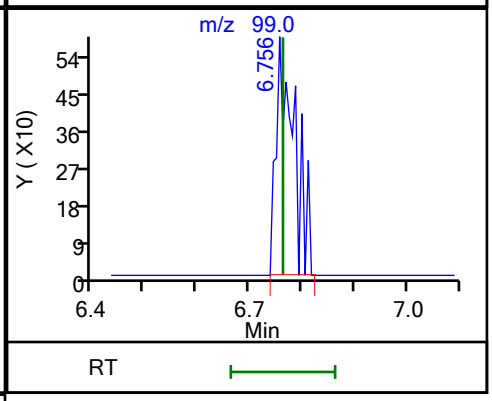
54 1,1,1-Trichloroethane, CAS: 71-55-6

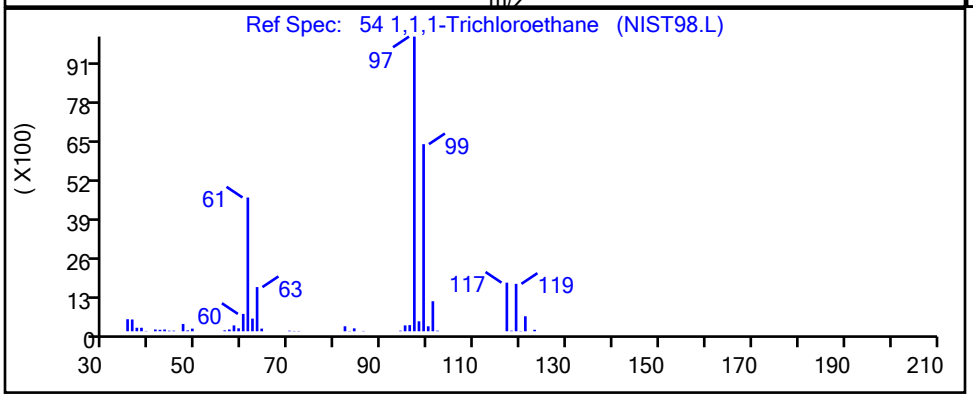
Processing Results











RT	Mass	Response	Amount
6.79	97.00	3696	0.035080
6.76	99.00	1408	

Reviewer: innoonk, 28-Mar-2023 13:57:42

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

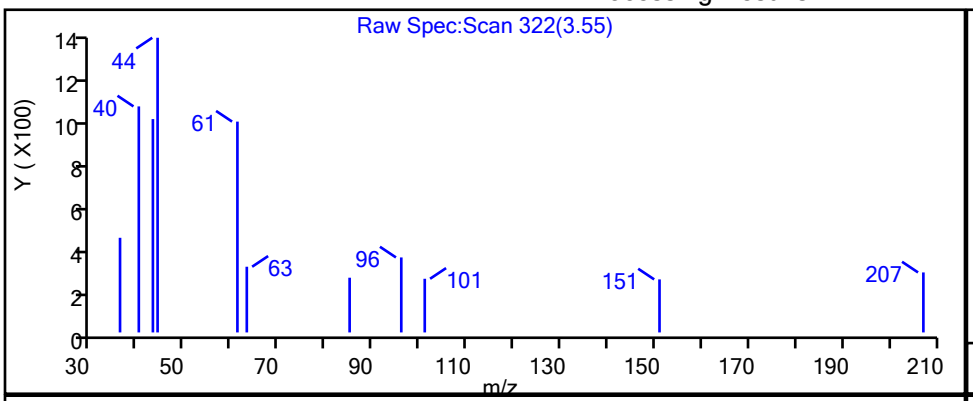
User Disabled Compound Report

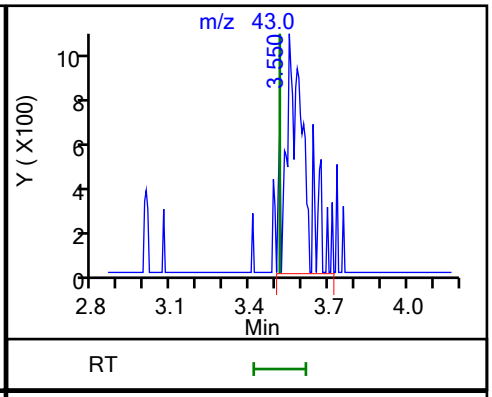
Eurofins Lancaster Laboratories Environment Testing, LLC

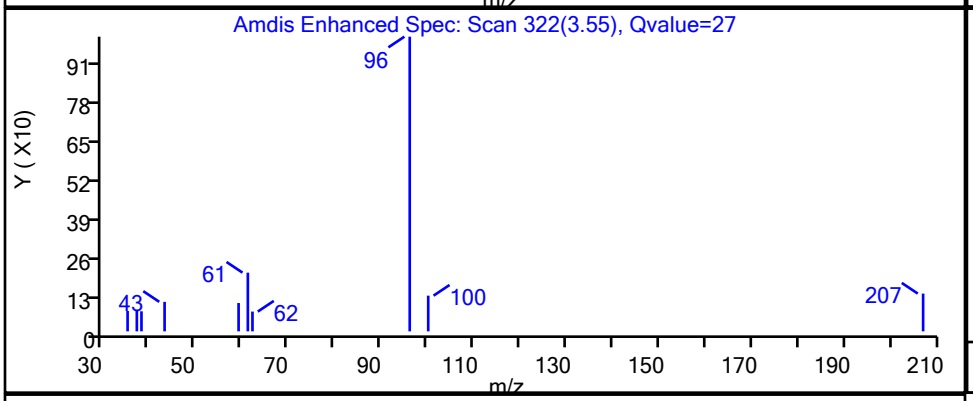
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X21.D				
Injection Date:	28-Mar-2023 01:59:30	Instrument ID:	19094		
Lims ID:	410-119839-A-9	Lab Sample ID:	410-119839-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

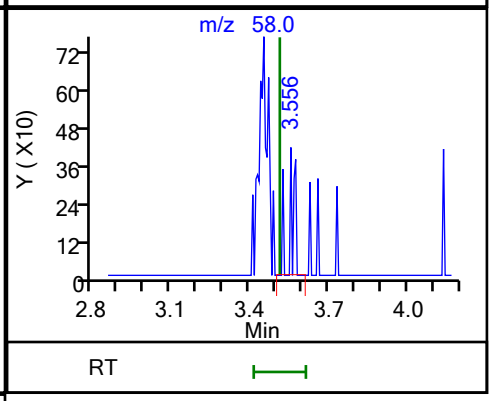
19 Acetone, CAS: 67-64-1

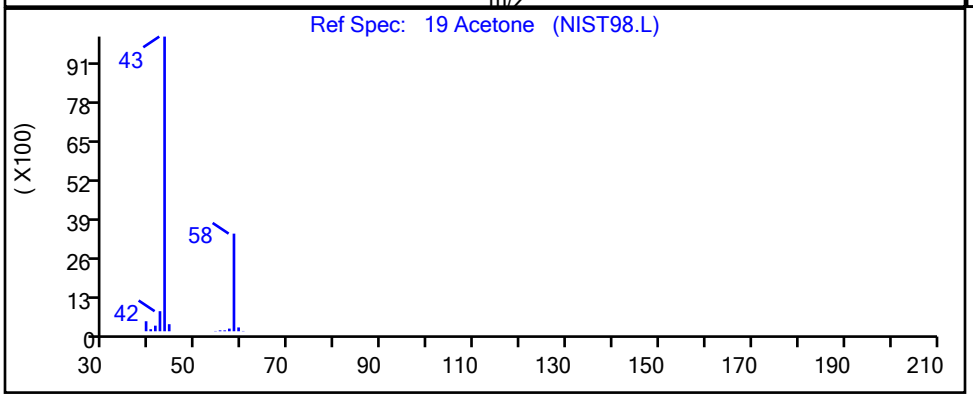
Processing Results











RT	Mass	Response	Amount
3.55	43.00	5083	0.663705
3.56	58.00	525	

Reviewer: innoonk, 28-Mar-2023 13:57:24

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

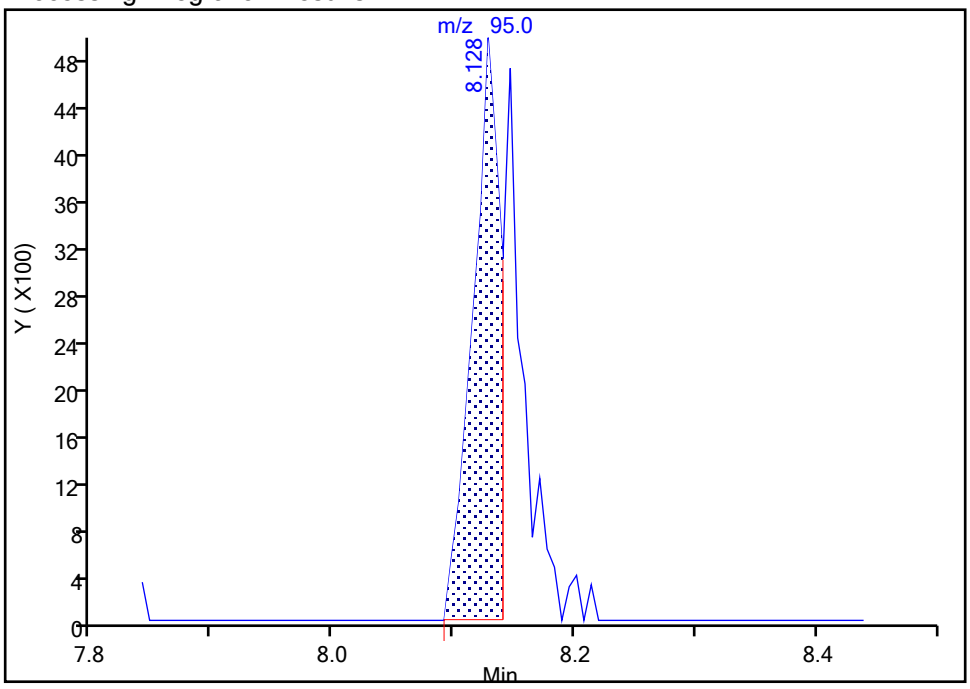
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X21.D				
Injection Date:	28-Mar-2023 01:59:30	Instrument ID:	19094		
Lims ID:	410-119839-A-9	Lab Sample ID:	410-119839-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	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 Trichloroethene, CAS: 79-01-6

Signal: 1

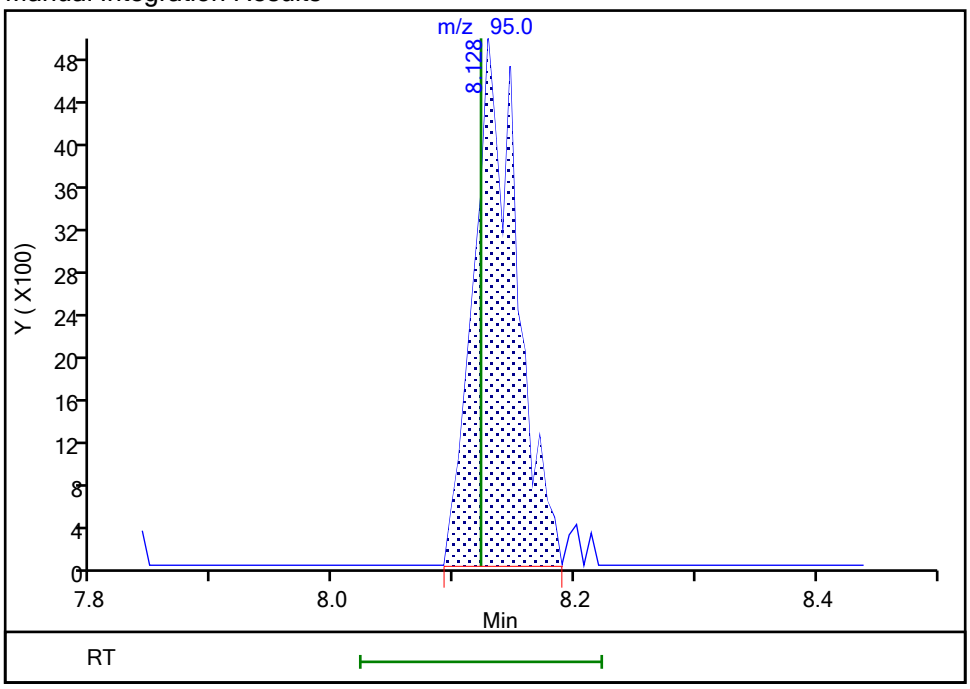
Processing Integration Results

RT: 8.13
Area: 7861
Amount: 0.107482
Amount Units: ug/l



Manual Integration Results

RT: 8.13
Area: 12254
Amount: 0.167547
Amount Units: ug/l



Reviewer: innoonk, 28-Mar-2023 13:58:07

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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-27-0/1-0 Lab Sample ID: 410-119839-10

Matrix: Water Lab File ID: HM27X22.D

Analysis Method: 8260D Date Collected: 03/22/2023 12:40

Sample wt/vol: 25(mL) Date Analyzed: 03/28/2023 02:20

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.: 357851 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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	2.0	J	5.0	1.0
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	^c cn	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	0.097	J	0.50	0.090
74-87-3	Chloromethane	0.19	J ^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.24	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	0.10
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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-27-0/1-0
Lab Sample ID: 410-119839-10

Matrix: Water
Lab File ID: HM27X22.D

Analysis Method: 8260D
Date Collected: 03/22/2023 12:40

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2023 02:20

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.: 357851
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	0.27	J	0.50	0.080
75-01-4	Vinyl chloride	ND	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X22.D
Lims ID: 410-119839-A-10
Client ID: HD-COD-SW-27-0/1-0
Sample Type: Client
Inject. Date: 28-Mar-2023 02:20:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-023
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2023 13:58:23 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1628

First Level Reviewer: innoonk Date: 28-Mar-2023 13:58:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.117	2.111	0.006	98	14887	0.1897	
7 Vinyl chloride	62		2.227				ND	7
9 Bromomethane	94		2.556				ND	
10 Chloroethane	64		2.629				ND	
18 1,1-Dichloroethene	96		3.489				ND	
19 Acetone	43	3.525	3.513	0.012	60	12739	2.03	
24 Carbon disulfide	76	3.800	3.788	0.012	100	12258	0.0861	
28 Methylene Chloride	84		4.135				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.166	4.160	0.006	20	98226	50.0	
33 Methyl tert-butyl ether	73		4.550				ND	
34 trans-1,2-Dichloroethene	96		4.562				ND	
37 1,1-Dichloroethane	63		5.220				ND	
42 2-Butanone (MEK)	43		6.007				ND	7
43 cis-1,2-Dichloroethene	96	6.043	6.043	0.000	80	15840	0.2442	
49 Chlorobromomethane	128		6.379				ND	
52 Chloroform	83	6.537	6.531	0.006	91	10106	0.0970	
$ 53 Dibromofluoromethane (Surr)	113	6.744	6.744	0.000	94	540097	10.4	
54 1,1,1-Trichloroethane	97		6.763				ND	7
57 Carbon tetrachloride	117		6.982				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.202	7.196	0.006	52	102211	10.8	
60 Benzene	78		7.232				ND	7
62 1,2-Dichloroethane	62		7.305				ND	7
* 65 Fluorobenzene (IS)	96	7.640	7.641	-0.001	99	2044564	10.0	
69 Trichloroethene	95	8.128	8.122	0.006	97	17847	0.2652	
71 1,2-Dichloropropane	63		8.457				ND	
77 Dichlorobromomethane	83		8.799				ND	7
81 cis-1,3-Dichloropropene	75		9.354				ND	
83 4-Methyl-2-pentanone (MIBK)	43		9.524				ND	7
$ 84 Toluene-d8 (Surr)	98	9.664	9.665	-0.001	94	2135667	10.1	
85 Toluene	92	9.744	9.738	0.006	96	10155	0.0644	
86 trans-1,3-Dichloropropene	75		10.000				ND	
106 1,1,2-Trichloroethane	97		10.201				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.298	10.292	0.006	94	23533	0.3235	
109 2-Hexanone	43		10.414				ND	
111 Chlorodibromomethane	129		10.579				ND	
112 Ethylene Dibromide	107		10.695				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.128	11.122	0.006	85	1733526	10.0	
115 Chlorobenzene	112		11.152				ND	
116 1,1,1,2-Tetrachloroethane	131		11.231				ND	
118 Ethylbenzene	91		11.237				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.353				ND	7
120 o-Xylene	106		11.676				ND	7
121 Styrene	104		11.695				ND	
122 Bromoform	173		11.853				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.127	12.121	0.006	94	771690	8.96	
127 1,1,2,2-Tetrachloroethane	83		12.219				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	94	959370	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

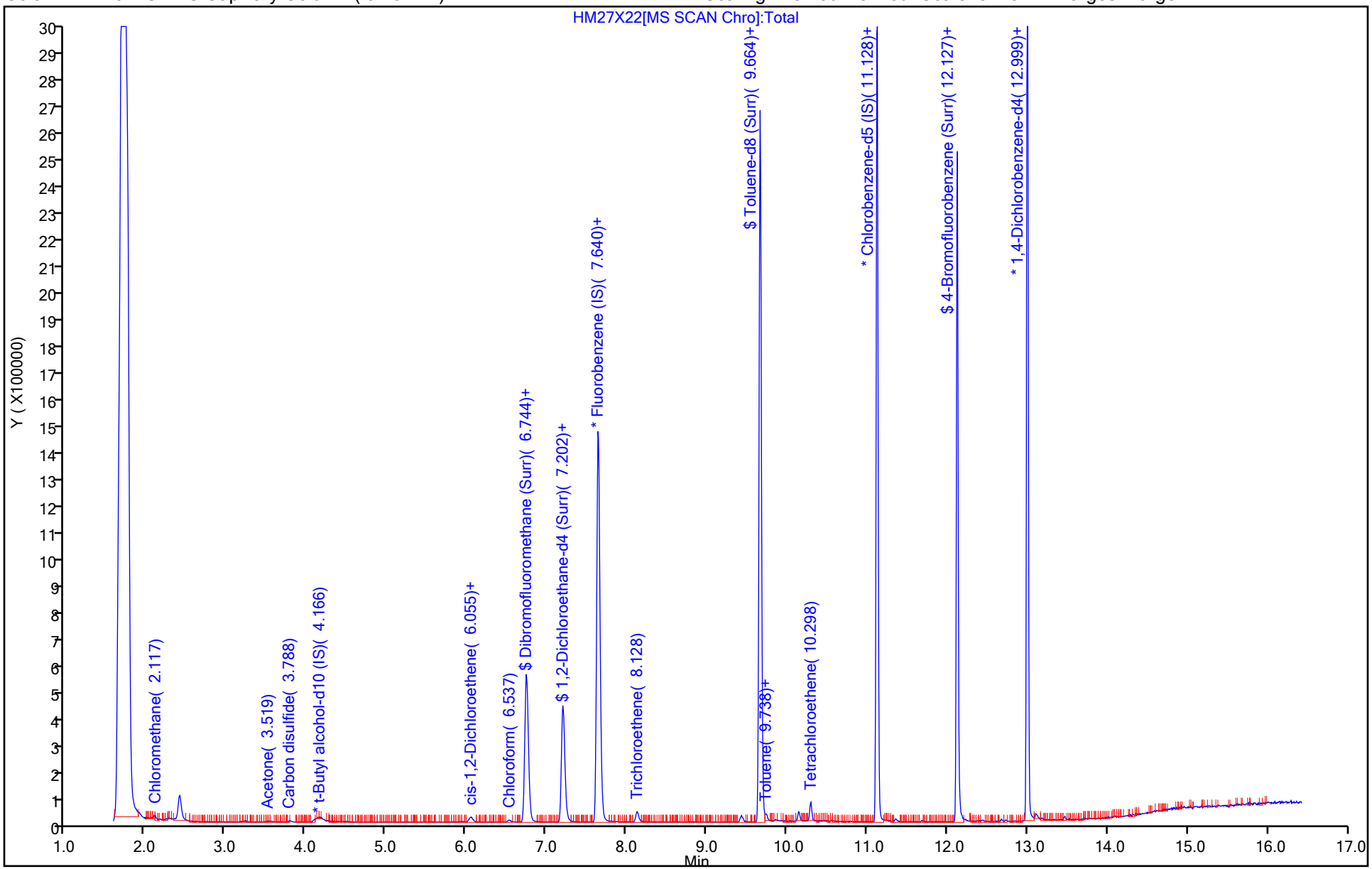
MSV_HP25_ISSS_00066 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 28-Mar-2023 13:59:00 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X22.D				
Injection Date:	28-Mar-2023 02:20:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-119839-A-10	Lab Sample ID:	410-119839-10	Worklist Smp#:	23
Client ID:	HD-COD-SW-27-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
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\20230327-79983.b\HM27X22.D				
Lims ID:	410-119839-A-10				
Client ID:	HD-COD-SW-27-0/1-0				
Sample Type:	Client				
Inject. Date:	28-Mar-2023 02:20:30	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-023				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	28-Mar-2023 13:58:23	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1628				

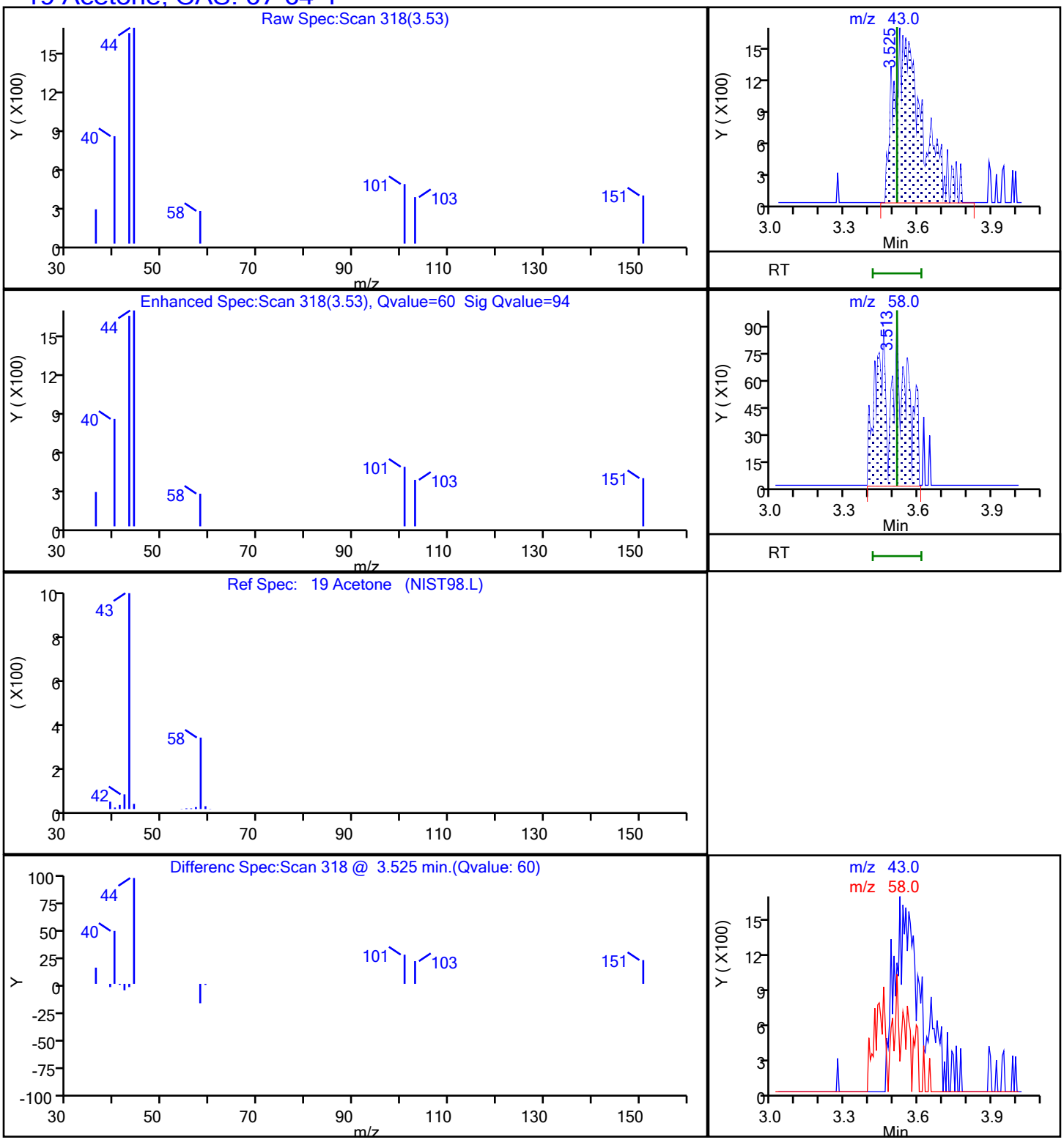
First Level Reviewer: innoonk Date: 28-Mar-2023 13:58:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.4	104.37
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.8	108.24
$ 84 Toluene-d8 (Surr)	10.0	10.1	100.70
$ 126 4-Bromofluorobenzene (Surr)	10.0	8.96	89.63

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X22.D				
Injection Date:	28-Mar-2023 02:20:30	Instrument ID:	19094		
Lims ID:	410-119839-A-10	Lab Sample ID:	410-119839-10		
Client ID:	HD-COD-SW-27-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	22	Worklist Smp#:	23
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

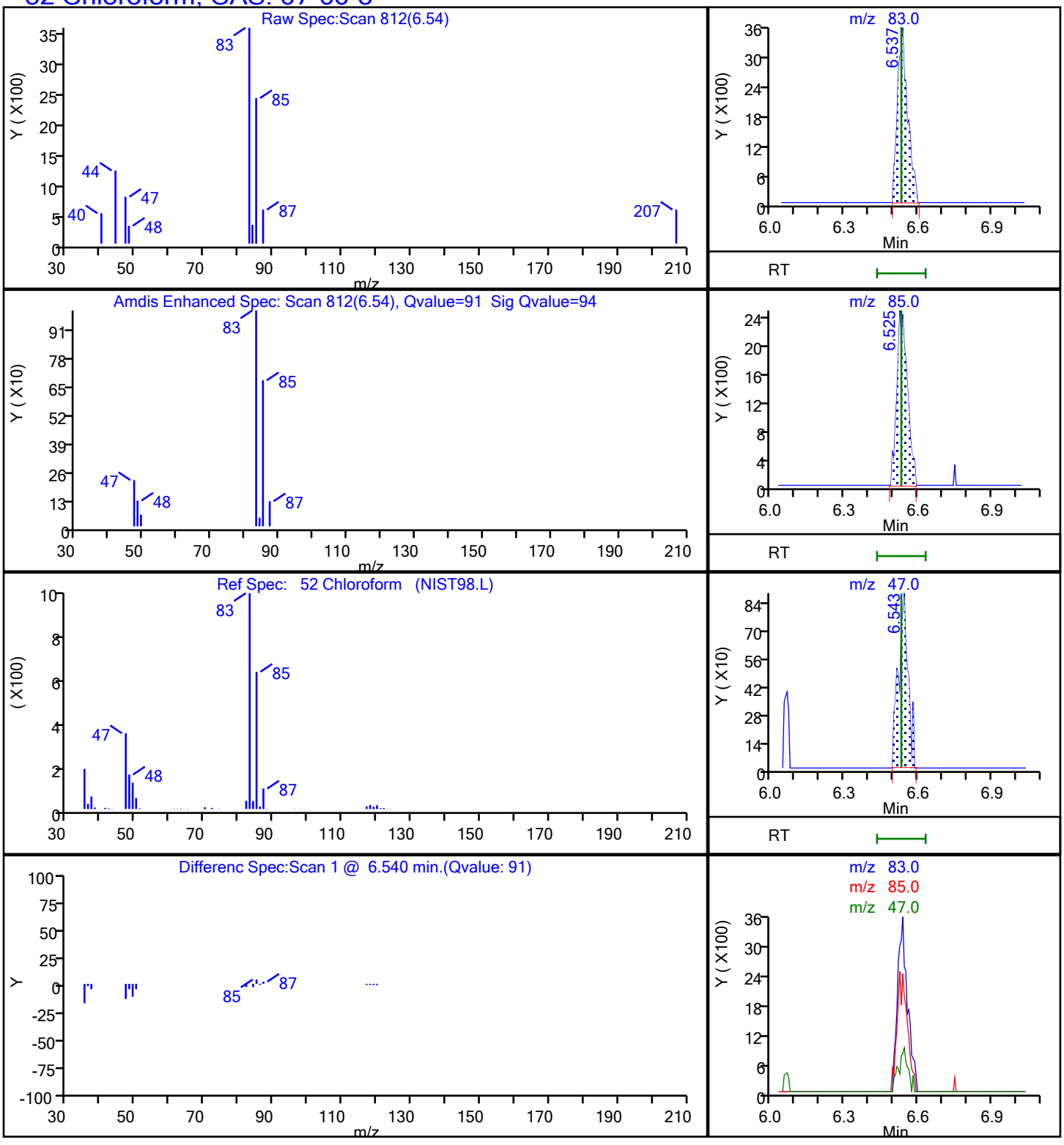


Report Date: 28-Mar-2023 13:59:00 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X22.D				
Injection Date:	28-Mar-2023 02:20:30	Instrument ID:	19094		
Lims ID:	410-119839-A-10	Lab Sample ID:	410-119839-10		
Client ID:	HD-COD-SW-27-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	22	Worklist Smp#:	23
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		

52 Chloroform, CAS: 67-66-3

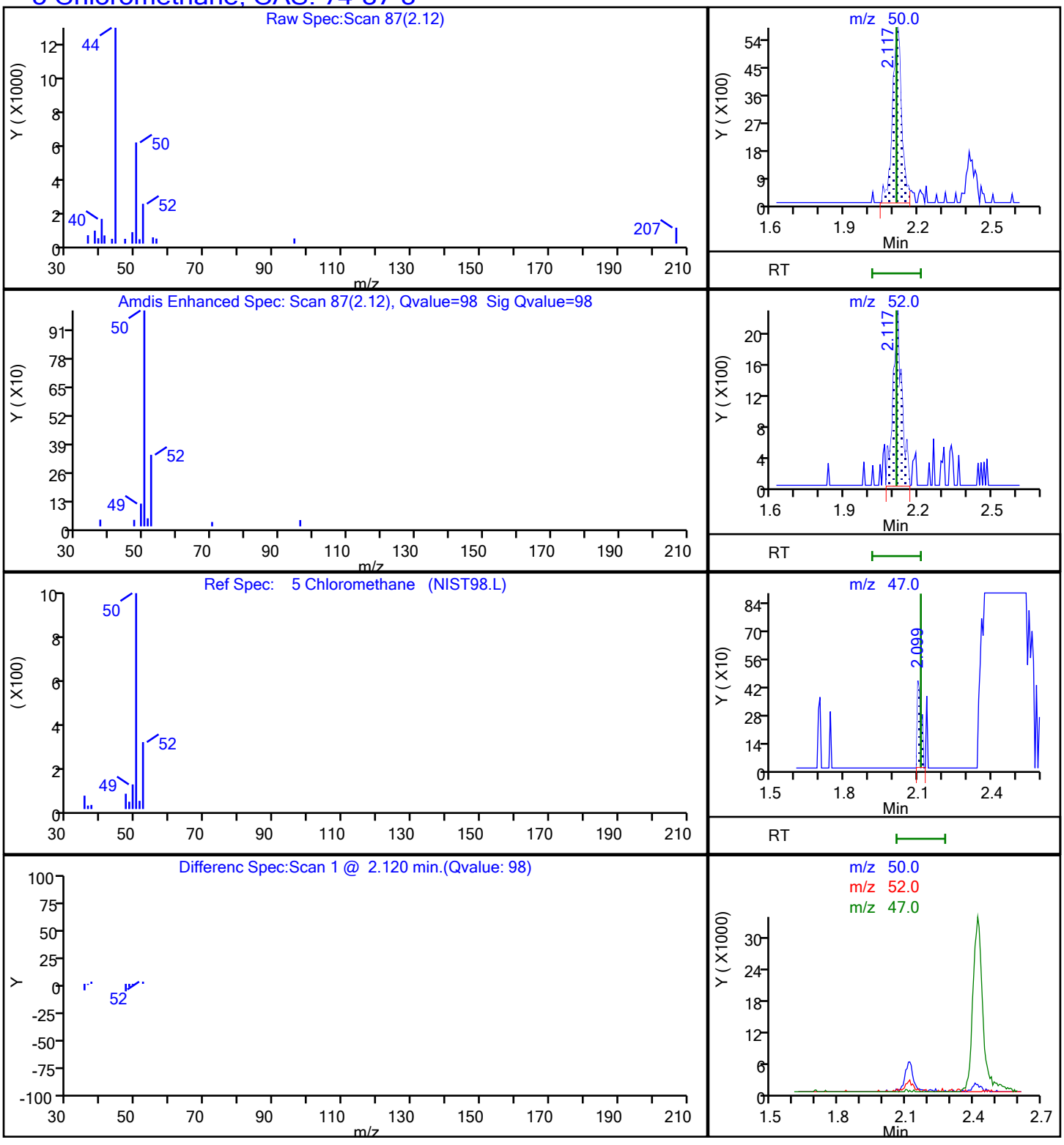


Report Date: 28-Mar-2023 13:59:00 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X22.D				
Injection Date:	28-Mar-2023 02:20:30	Instrument ID:	19094		
Lims ID:	410-119839-A-10	Lab Sample ID:	410-119839-10		
Client ID:	HD-COD-SW-27-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	22	Worklist Smp#:	23
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

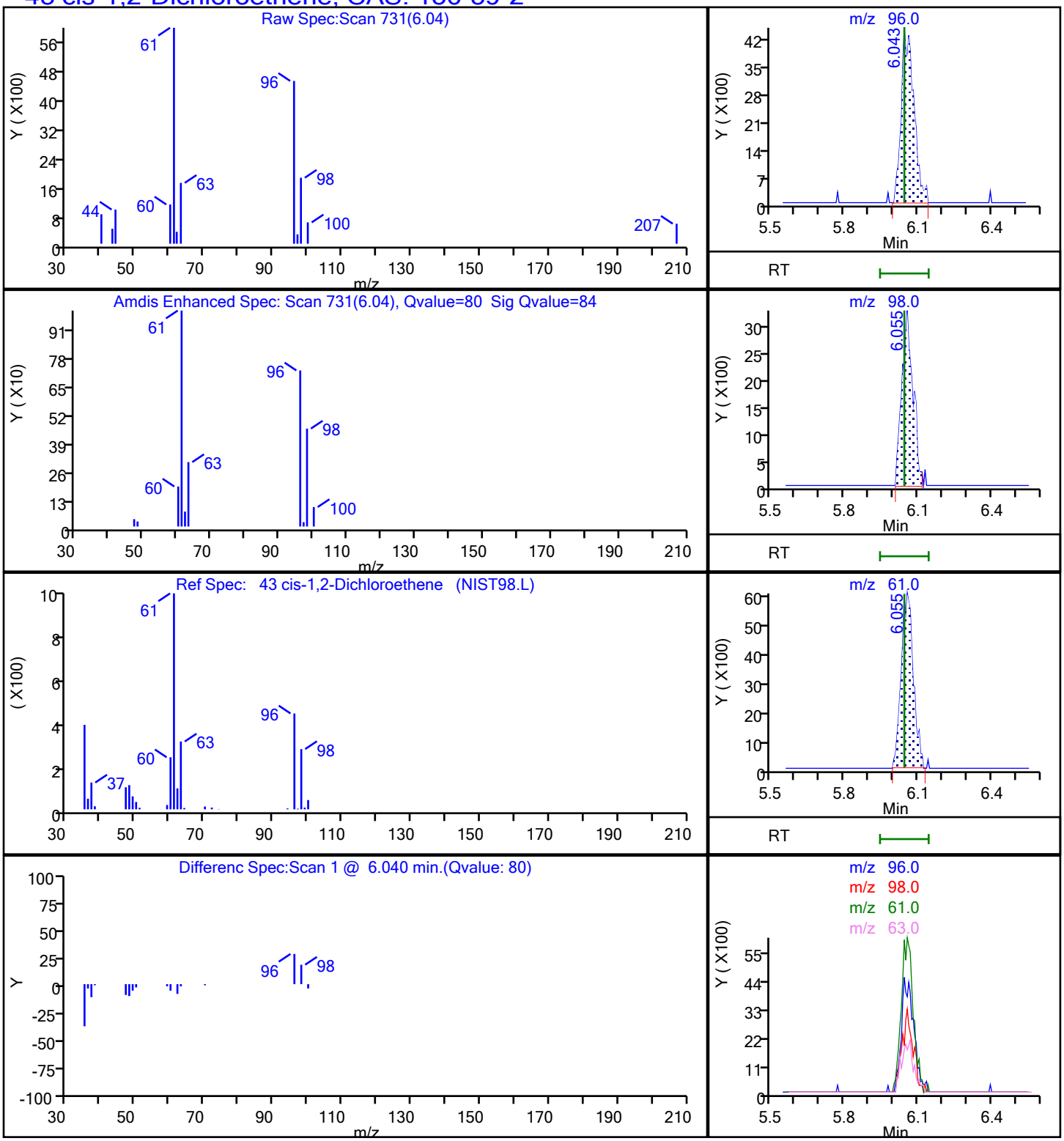


Report Date: 28-Mar-2023 13:59:00 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X22.D				
Injection Date:	28-Mar-2023 02:20:30	Instrument ID:	19094		
Lims ID:	410-119839-A-10	Lab Sample ID:	410-119839-10		
Client ID:	HD-COD-SW-27-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	22	Worklist Smp#:	23
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		

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

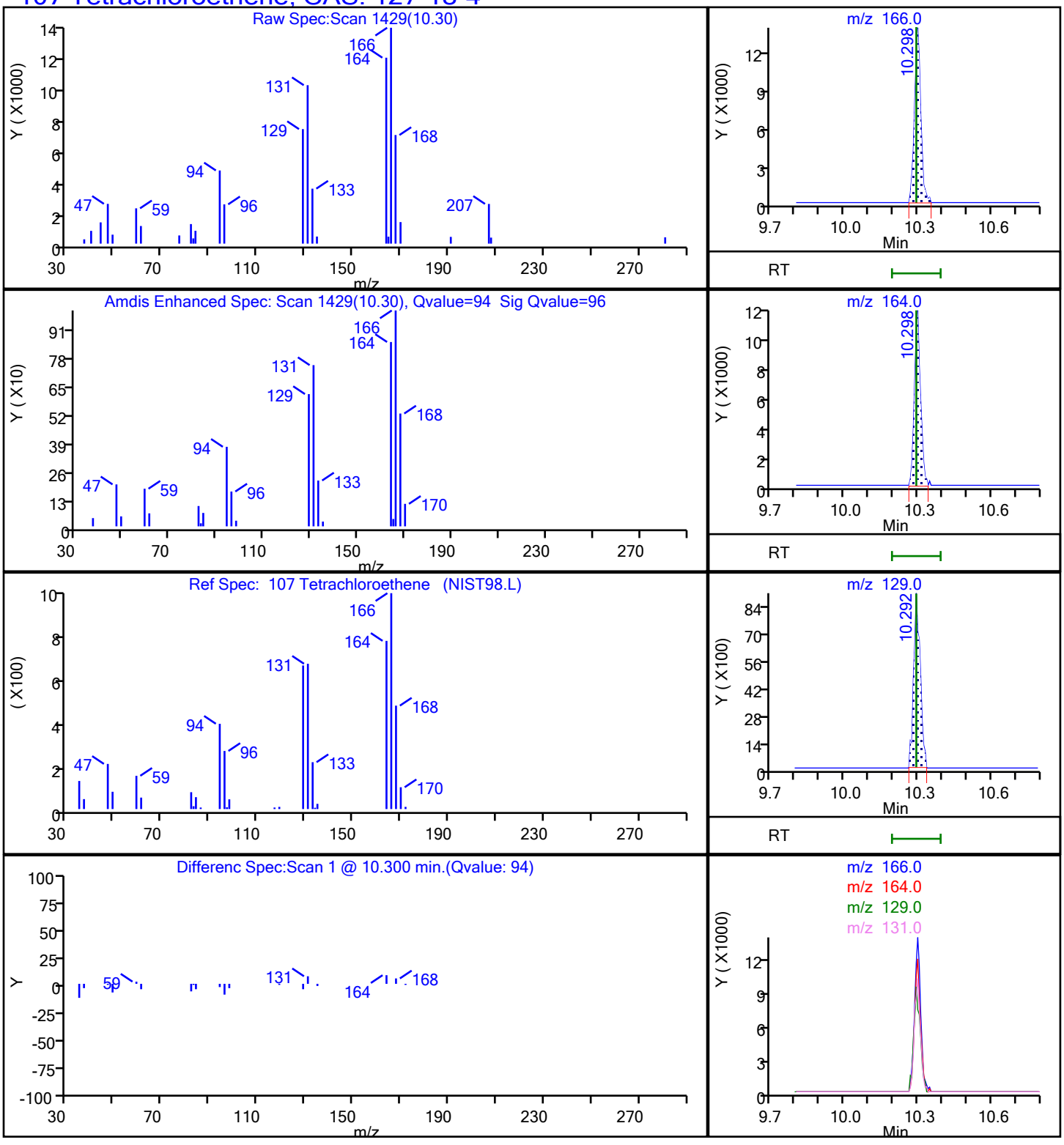


Report Date: 28-Mar-2023 13:59:00 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X22.D		
Injection Date:	28-Mar-2023 02:20:30	Instrument ID:	19094
Lims ID:	410-119839-A-10	Lab Sample ID:	410-119839-10
Client ID:	HD-COD-SW-27-0/1-0		
Operator ID:	gaw91131	ALS Bottle#:	22 Worklist Smp#: 23
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

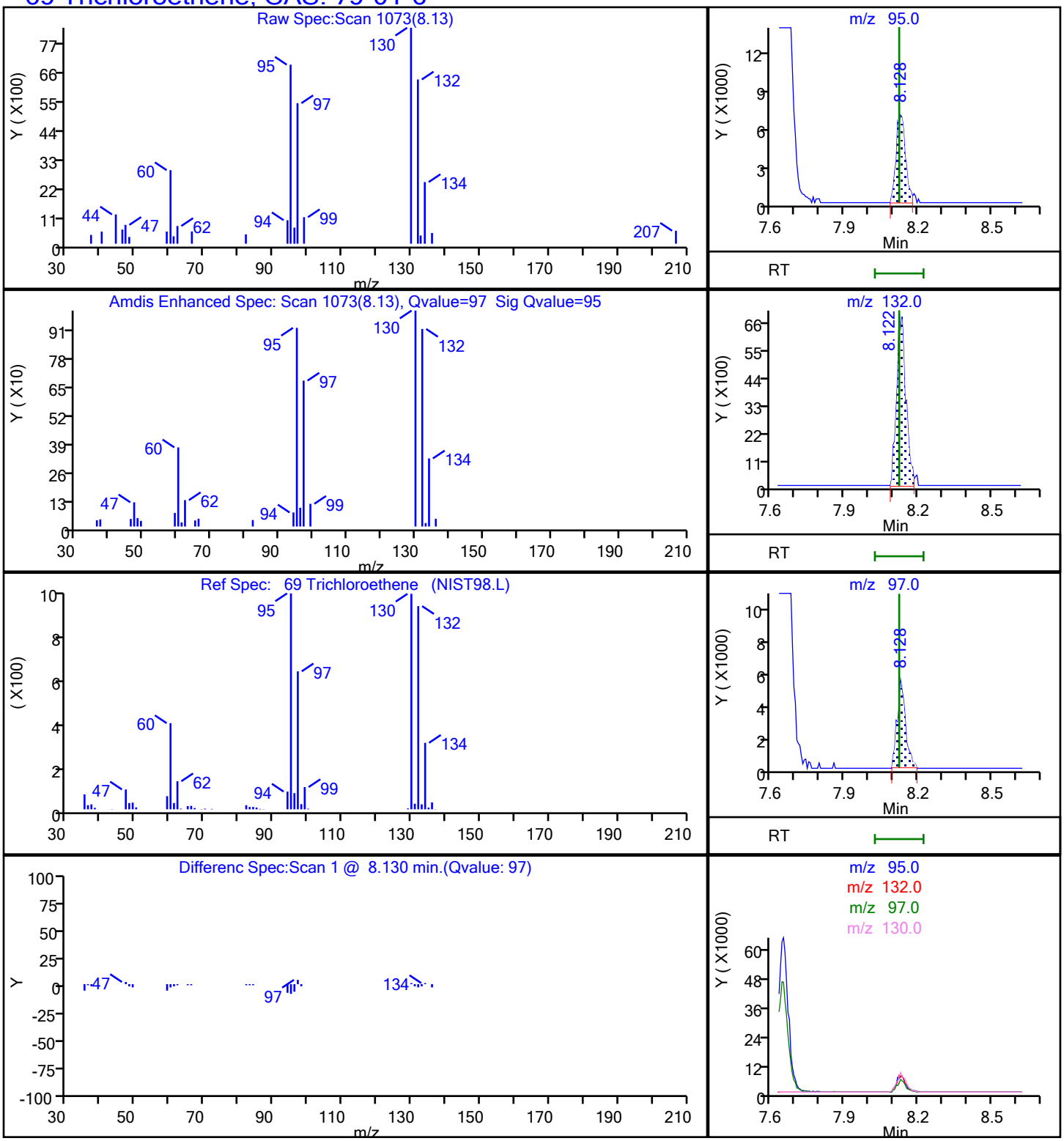


Report Date: 28-Mar-2023 13:59:00 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X22.D				
Injection Date:	28-Mar-2023 02:20:30	Instrument ID:	19094		
Lims ID:	410-119839-A-10	Lab Sample ID:	410-119839-10		
Client ID:	HD-COD-SW-27-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	22	Worklist Smp#:	23
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 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-28-0/1-0
Lab Sample ID: 410-119839-11

Matrix: Water
Lab File ID: HM27X23.D

Analysis Method: 8260D
Date Collected: 03/22/2023 13:50

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2023 02:41

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.: 357851
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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.8	J	5.0	1.0
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	^c cn	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	0.16	J ^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.17	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	0.10
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.24	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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-28-0/1-0
Lab Sample ID: 410-119839-11

Matrix: Water
Lab File ID: HM27X23.D

Analysis Method: 8260D
Date Collected: 03/22/2023 13:50

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2023 02:41

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.: 357851
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	0.21	J	0.50	0.080
75-01-4	Vinyl chloride	ND	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		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\20230327-79983.b\HM27X23.D
Lims ID: 410-119839-A-11
Client ID: HD-COD-SW-28-0/1-0
Sample Type: Client
Inject. Date: 28-Mar-2023 02:41:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-024
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2023 14:11:32 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1628

First Level Reviewer: innoonk Date: 28-Mar-2023 14:11:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.117	2.111	0.006	96	12996	0.1558	
7 Vinyl chloride	62		2.227				ND	7
9 Bromomethane	94		2.556				ND	
10 Chloroethane	64		2.629				ND	
18 1,1-Dichloroethene	96		3.489				ND	
19 Acetone	43	3.544	3.513	0.031	70	12413	1.75	
24 Carbon disulfide	76	3.800	3.788	0.012	95	8184	0.0541	
28 Methylene Chloride	84		4.135				ND	7
* 29 t-Butyl alcohol-d10 (IS)	65	4.190	4.160	0.030	24	110678	50.0	
33 Methyl tert-butyl ether	73		4.550				ND	
34 trans-1,2-Dichloroethene	96		4.562				ND	
37 1,1-Dichloroethane	63		5.220				ND	7
42 2-Butanone (MEK)	43		6.007				ND	7
43 cis-1,2-Dichloroethene	96	6.055	6.043	0.012	81	11858	0.1719	
49 Chlorobromomethane	128		6.379				ND	
52 Chloroform	83	6.537	6.531	0.006	91	9725	0.0878	
$ 53 Dibromofluoromethane (Surr)	113	6.750	6.744	0.006	93	583351	10.6	
54 1,1,1-Trichloroethane	97		6.763				ND	7
57 Carbon tetrachloride	117		6.982				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.208	7.196	0.012	52	109645	10.9	
60 Benzene	78		7.232				ND	7
62 1,2-Dichloroethane	62		7.305				ND	7
* 65 Fluorobenzene (IS)	96	7.647	7.641	0.006	99	2173952	10.0	
69 Trichloroethene	95	8.122	8.122	0.000	98	15381	0.2149	M
71 1,2-Dichloropropane	63		8.457				ND	
77 Dichlorobromomethane	83		8.799				ND	7
81 cis-1,3-Dichloropropene	75		9.354				ND	
83 4-Methyl-2-pentanone (MIBK)	43		9.524				ND	7
$ 84 Toluene-d8 (Surr)	98	9.664	9.665	-0.001	94	2316963	10.3	
85 Toluene	92	9.744	9.738	0.006	96	10994	0.0659	
86 trans-1,3-Dichloropropene	75		10.000				ND	
106 1,1,2-Trichloroethane	97		10.201				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.299	10.292	0.006	96	18798	0.2443	
109 2-Hexanone	43		10.414				ND	
111 Chlorodibromomethane	129		10.579				ND	
112 Ethylene Dibromide	107		10.695				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.128	11.122	0.006	86	1833943	10.0	
115 Chlorobenzene	112		11.152				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.231				ND	
118 Ethylbenzene	91		11.237				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.353				ND	7
120 o-Xylene	106		11.676				ND	7
121 Styrene	104		11.695				ND	
122 Bromoform	173		11.853				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.127	12.121	0.006	93	823920	9.05	
127 1,1,2,2-Tetrachloroethane	83		12.219				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	94	1028274	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

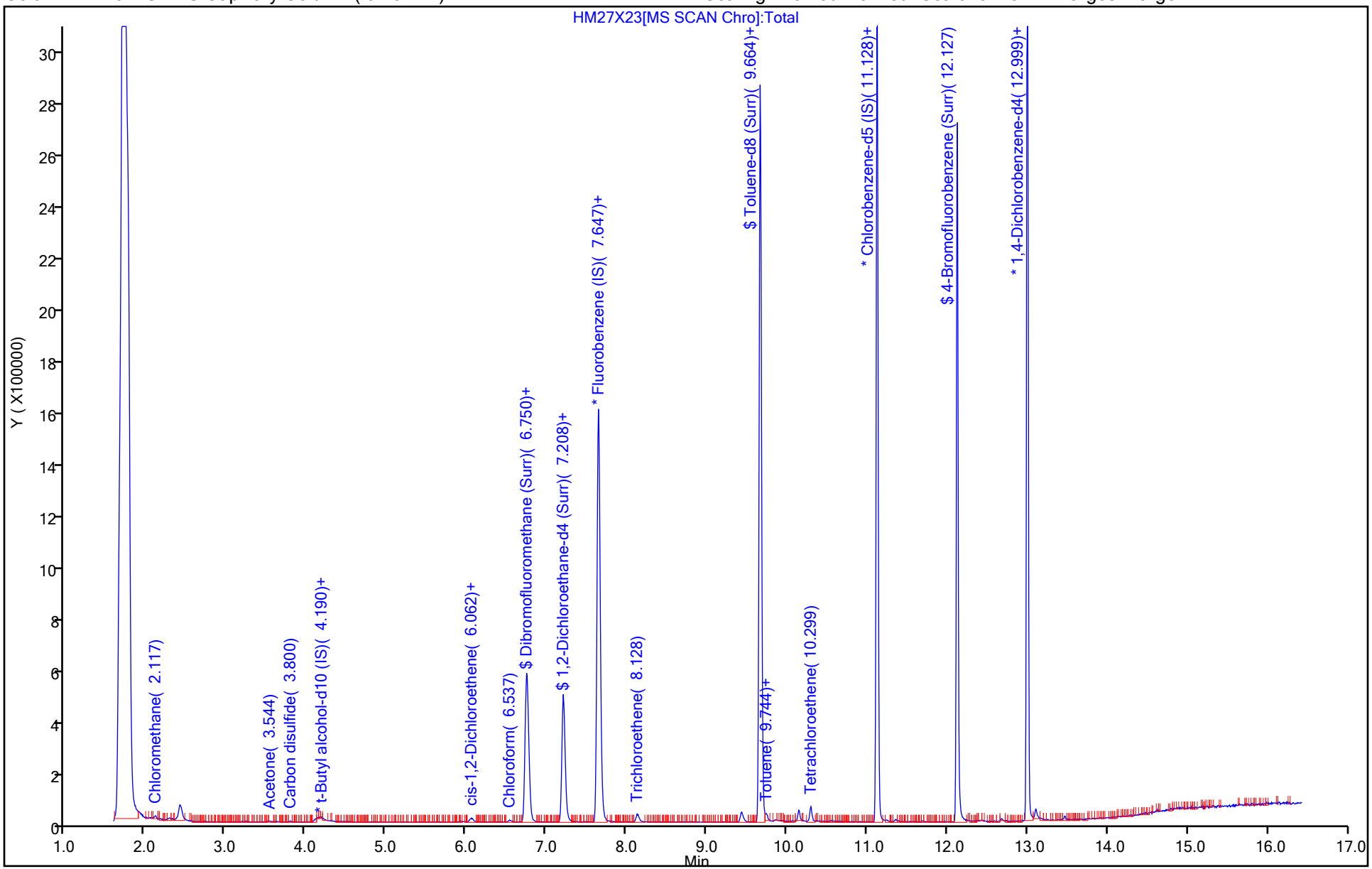
MSV_HP25_ISSS_00066 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 28-Mar-2023 14:11:33 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X23.D				
Injection Date:	28-Mar-2023 02:41:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-119839-A-11	Lab Sample ID:	410-119839-11	Worklist Smp#:	24
Client ID:	HD-COD-SW-28-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
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\20230327-79983.b\HM27X23.D				
Lims ID:	410-119839-A-11				
Client ID:	HD-COD-SW-28-0/1-0				
Sample Type:	Client				
Inject. Date:	28-Mar-2023 02:41:30	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-024				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	28-Mar-2023 14:11:32	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1628				

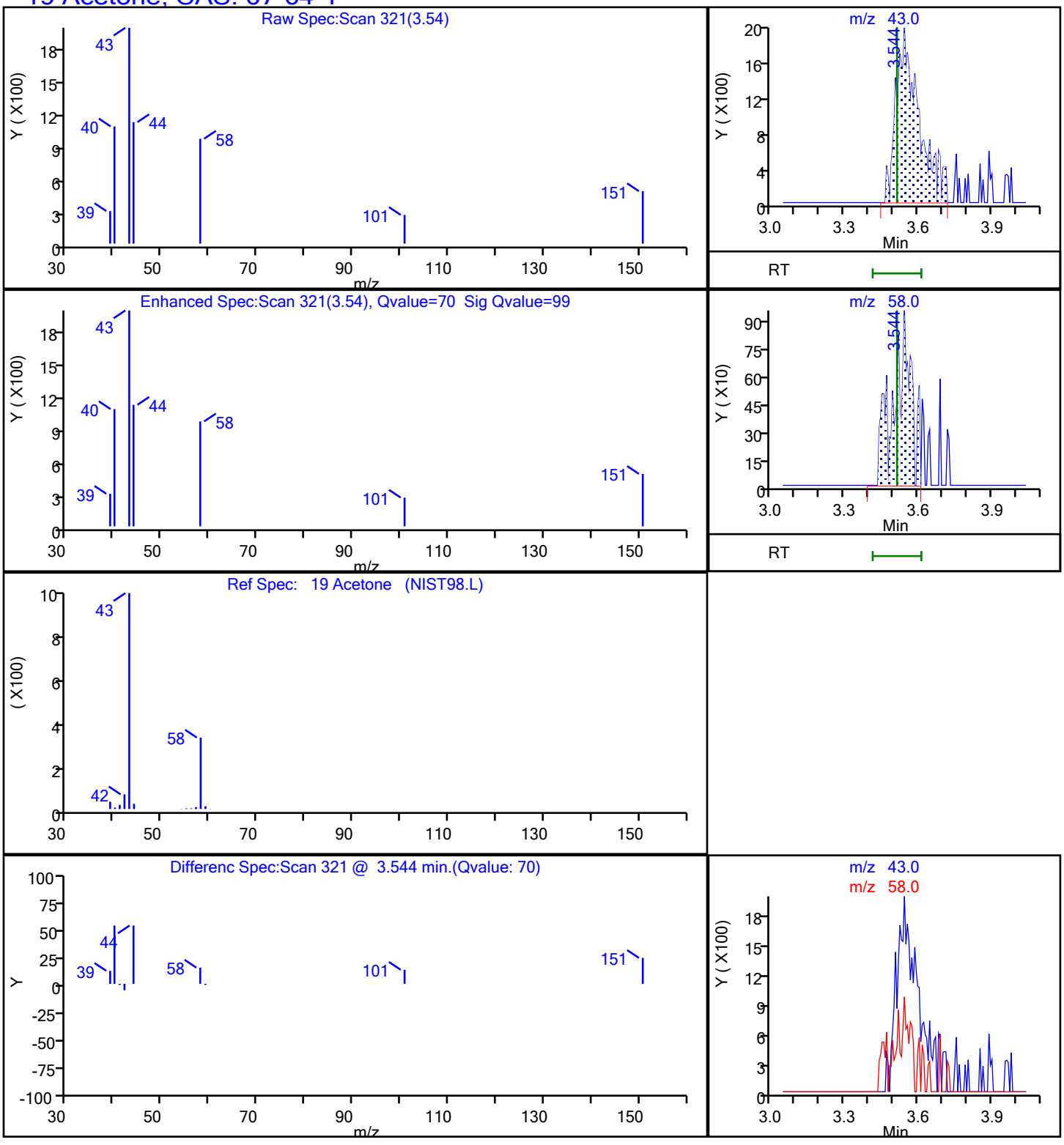
First Level Reviewer: innoonk Date: 28-Mar-2023 14:11:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.6	106.02
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.9	109.20
$ 84 Toluene-d8 (Surr)	10.0	10.3	103.27
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.05	90.46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X23.D				
Injection Date:	28-Mar-2023 02:41:30	Instrument ID:	19094		
Lims ID:	410-119839-A-11	Lab Sample ID:	410-119839-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	23	Worklist Smp#:	24
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

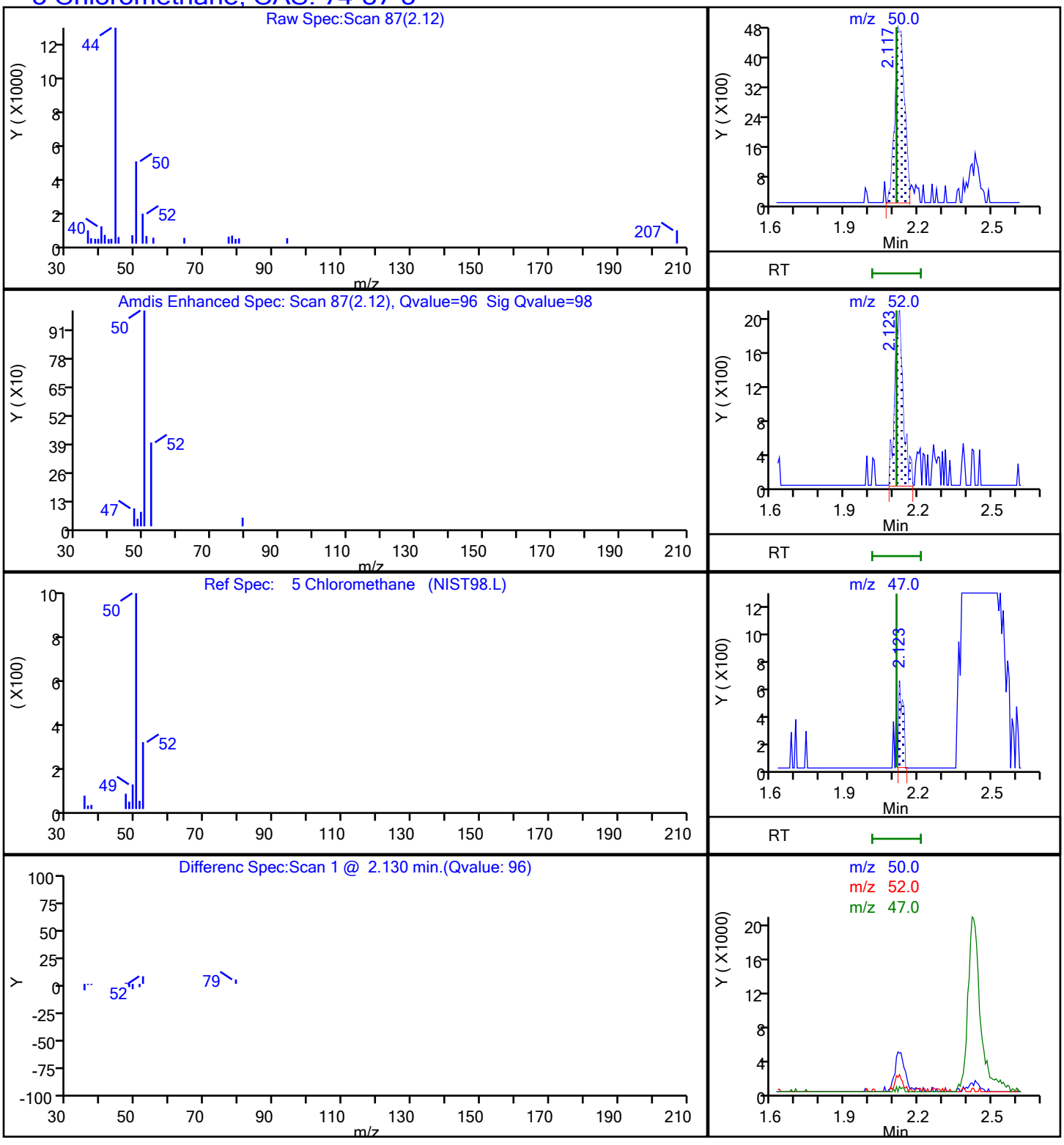


Report Date: 28-Mar-2023 14:11:33 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X23.D				
Injection Date:	28-Mar-2023 02:41:30	Instrument ID:	19094		
Lims ID:	410-119839-A-11	Lab Sample ID:	410-119839-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	23	Worklist Smp#:	24
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

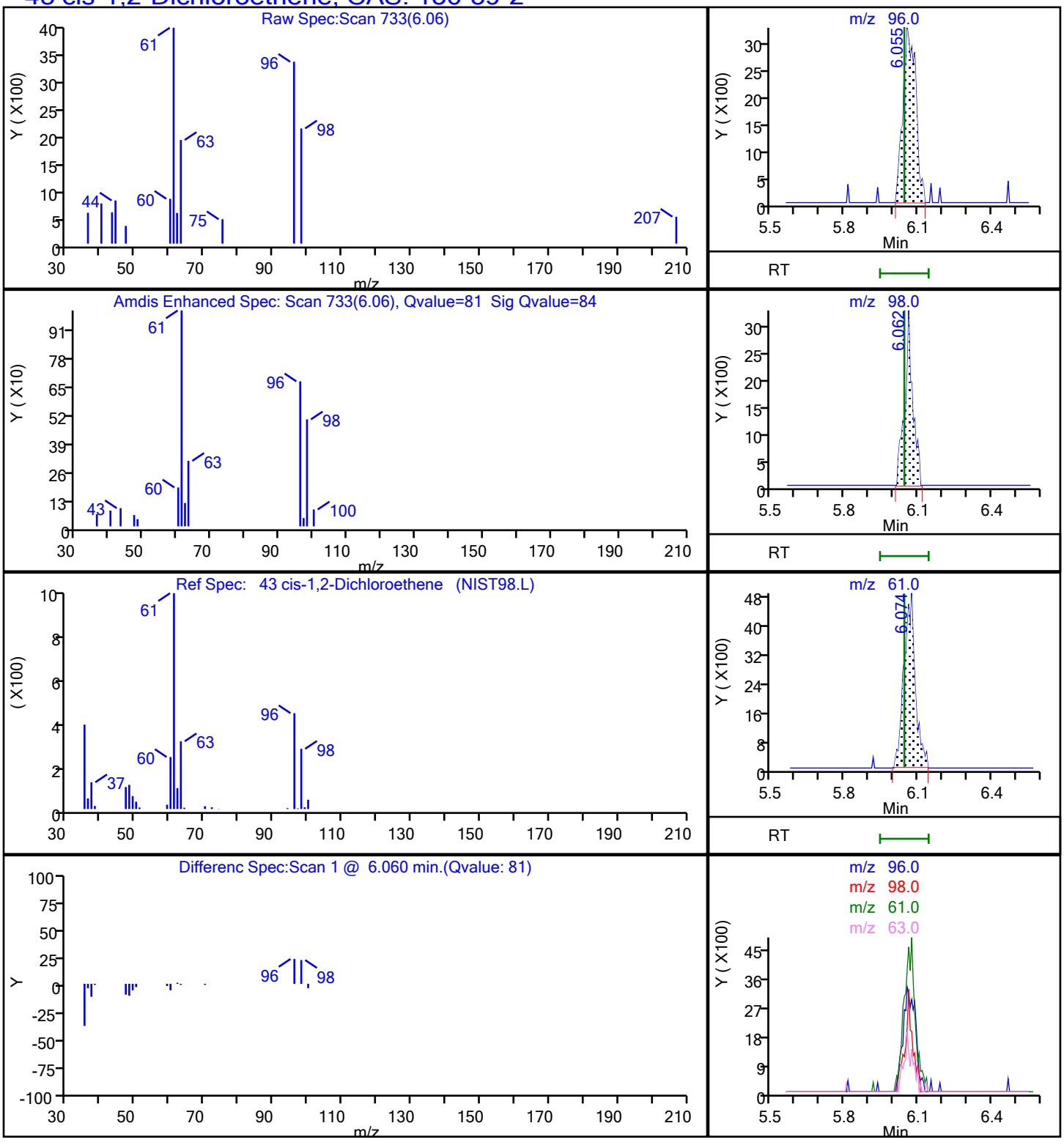


Report Date: 28-Mar-2023 14:11:33 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X23.D				
Injection Date:	28-Mar-2023 02:41:30	Instrument ID:	19094		
Lims ID:	410-119839-A-11	Lab Sample ID:	410-119839-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	23	Worklist Smp#:	24
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		

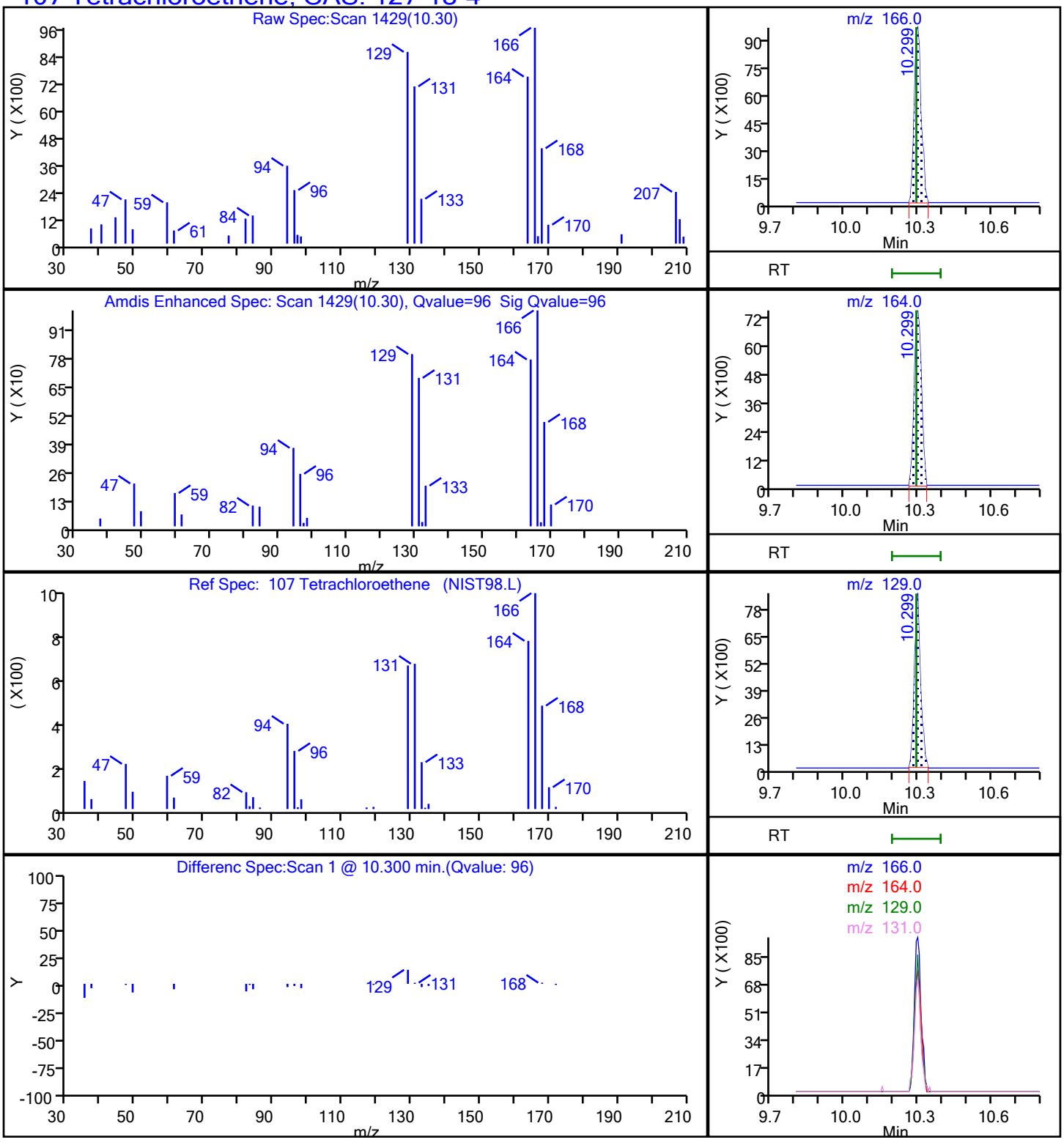
43 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X23.D				
Injection Date:	28-Mar-2023 02:41:30	Instrument ID:	19094		
Lims ID:	410-119839-A-11	Lab Sample ID:	410-119839-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	23	Worklist Smp#:	24
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

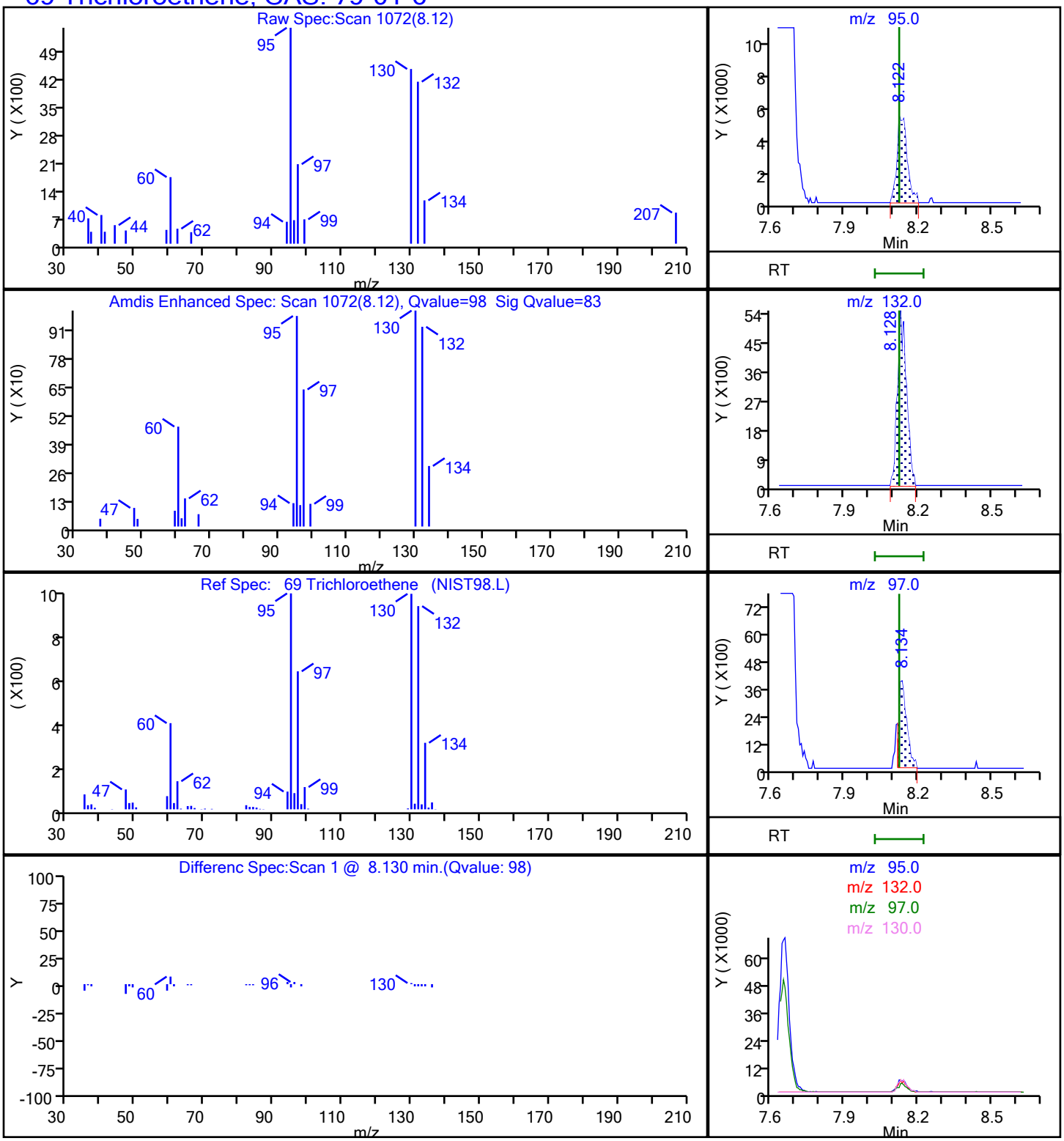


Report Date: 28-Mar-2023 14:11:33 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X23.D				
Injection Date:	28-Mar-2023 02:41:30	Instrument ID:	19094		
Lims ID:	410-119839-A-11	Lab Sample ID:	410-119839-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	23	Worklist Smp#:	24
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 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

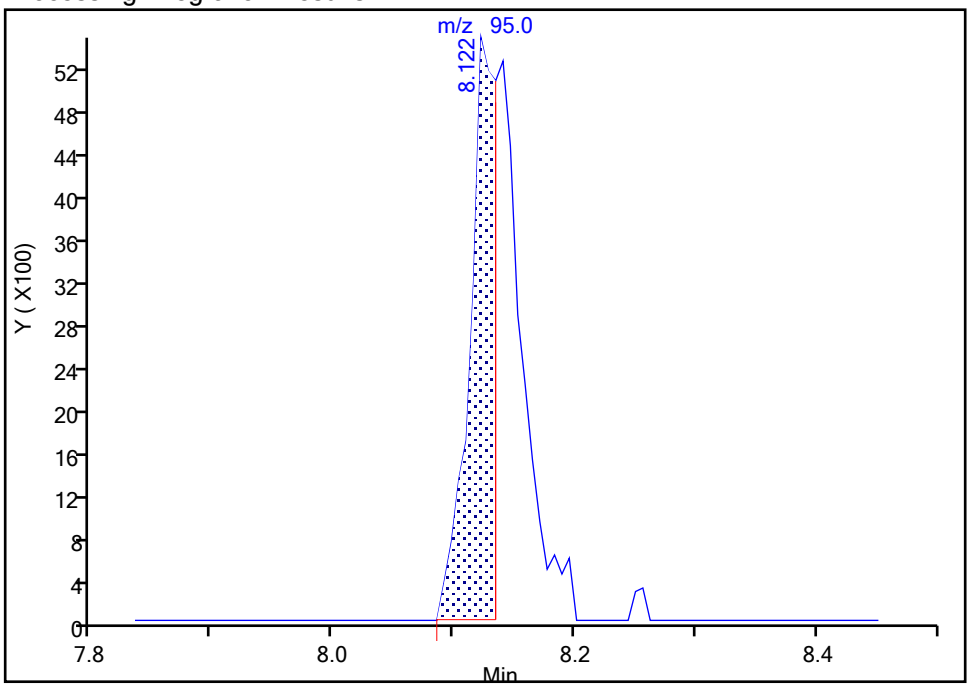
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X23.D				
Injection Date:	28-Mar-2023 02:41:30	Instrument ID:	19094		
Lims ID:	410-119839-A-11	Lab Sample ID:	410-119839-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	25.000 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		

69 Trichloroethene, CAS: 79-01-6

Signal: 1

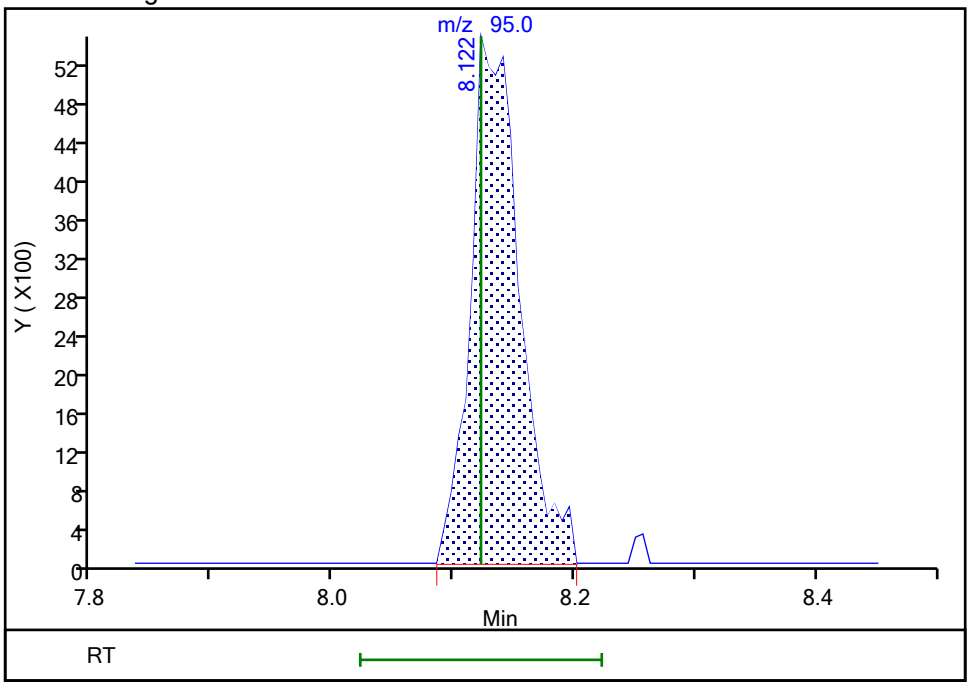
Processing Integration Results

RT: 8.12
Area: 8353
Amount: 0.116726
Amount Units: ug/l



Manual Integration Results

RT: 8.12
Area: 15381
Amount: 0.214937
Amount Units: ug/l



Reviewer: innoonk, 28-Mar-2023 14:10:55

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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-29-0/1-0
Lab Sample ID: 410-119839-12

Matrix: Water
Lab File ID: HM27X24.D

Analysis Method: 8260D
Date Collected: 03/22/2023 09:30

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2023 03:01

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.: 357851
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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.5	J	5.0	1.0
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	^c cn	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	^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.23	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	0.10
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.41	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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-29-0/1-0
Lab Sample ID: 410-119839-12

Matrix: Water
Lab File ID: HM27X24.D

Analysis Method: 8260D
Date Collected: 03/22/2023 09:30

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2023 03:01

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.: 357851
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	0.26	J	0.50	0.080
75-01-4	Vinyl chloride	ND	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		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\20230327-79983.b\HM27X24.D
Lims ID: 410-119839-A-12
Client ID: HD-COD-SW-29-0/1-0
Sample Type: Client
Inject. Date: 28-Mar-2023 03:01:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-025
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2023 14:52:26 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1628

First Level Reviewer: innoonk Date: 28-Mar-2023 14:32:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.111	2.111	0.000	36	5791	0.0679	
7 Vinyl chloride	62		2.227				ND	7
9 Bromomethane	94		2.556				ND	
10 Chloroethane	64		2.629				ND	
18 1,1-Dichloroethene	96		3.489				ND	
19 Acetone	43	3.586	3.513	0.073	32	10298	1.53	
24 Carbon disulfide	76	3.800	3.788	0.012	98	8023	0.0518	
28 Methylene Chloride	84		4.135				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.166	4.160	0.006	20	105190	50.0	
33 Methyl tert-butyl ether	73		4.550				ND	
34 trans-1,2-Dichloroethene	96		4.562				ND	
37 1,1-Dichloroethane	63		5.220				ND	7
42 2-Butanone (MEK)	43		6.007				ND	7
43 cis-1,2-Dichloroethene	96	6.062	6.043	0.019	82	16529	0.2342	
49 Chlorobromomethane	128		6.379				ND	
52 Chloroform	83	6.531	6.531	0.000	75	7136	0.0630	
$ 53 Dibromofluoromethane (Surr)	113	6.750	6.744	0.006	94	592327	10.5	
54 1,1,1-Trichloroethane	97		6.763				ND	7
57 Carbon tetrachloride	117		6.982				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.202	7.196	0.006	53	107791	10.5	
60 Benzene	78		7.232				ND	7
62 1,2-Dichloroethane	62		7.305				ND	7
* 65 Fluorobenzene (IS)	96	7.647	7.641	0.006	99	2223975	10.0	
69 Trichloroethene	95	8.134	8.122	0.012	98	18883	0.2579	
71 1,2-Dichloropropane	63		8.457				ND	
77 Dichlorobromomethane	83		8.799				ND	7
81 cis-1,3-Dichloropropene	75		9.354				ND	
83 4-Methyl-2-pentanone (MIBK)	43		9.524				ND	
$ 84 Toluene-d8 (Surr)	98	9.665	9.665	0.000	93	2347387	10.3	
85 Toluene	92	9.750	9.738	0.012	99	8274	0.0487	
86 trans-1,3-Dichloropropene	75		10.000				ND	
106 1,1,2-Trichloroethane	97		10.201				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.299	10.292	0.007	97	31789	0.4050	
109 2-Hexanone	43		10.414				ND	7
111 Chlorodibromomethane	129		10.579				ND	
112 Ethylene Dibromide	107		10.695				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.122	11.122	0.000	85	1870286	10.0	
115 Chlorobenzene	112		11.152				ND	
116 1,1,1,2-Tetrachloroethane	131		11.231				ND	
118 Ethylbenzene	91		11.237				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.353				ND	7
120 o-Xylene	106		11.676				ND	7
121 Styrene	104		11.695				ND	
122 Bromoform	173		11.853				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.121	12.121	0.000	92	840273	9.05	
127 1,1,2,2-Tetrachloroethane	83		12.219				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	95	1029535	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

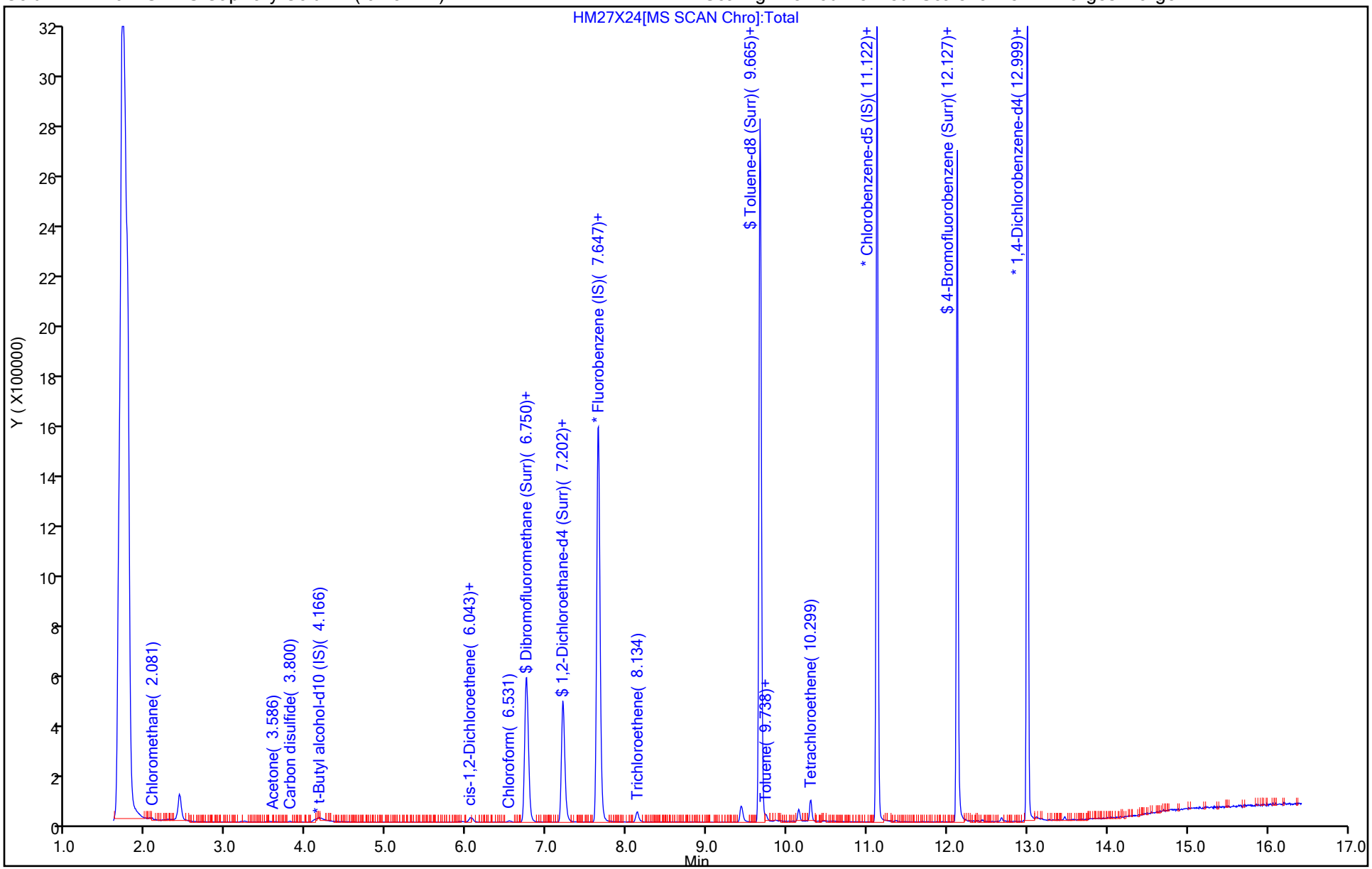
MSV_HP25_ISSS_00066 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 28-Mar-2023 14:52:43 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X24.D				
Injection Date:	28-Mar-2023 03:01:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-119839-A-12	Lab Sample ID:	410-119839-12	Worklist Smp#:	25
Client ID:	HD-COD-SW-29-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
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\20230327-79983.b\HM27X24.D				
Lims ID:	410-119839-A-12				
Client ID:	HD-COD-SW-29-0/1-0				
Sample Type:	Client				
Inject. Date:	28-Mar-2023 03:01:30	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-025				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	28-Mar-2023 14:52:26	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1628				

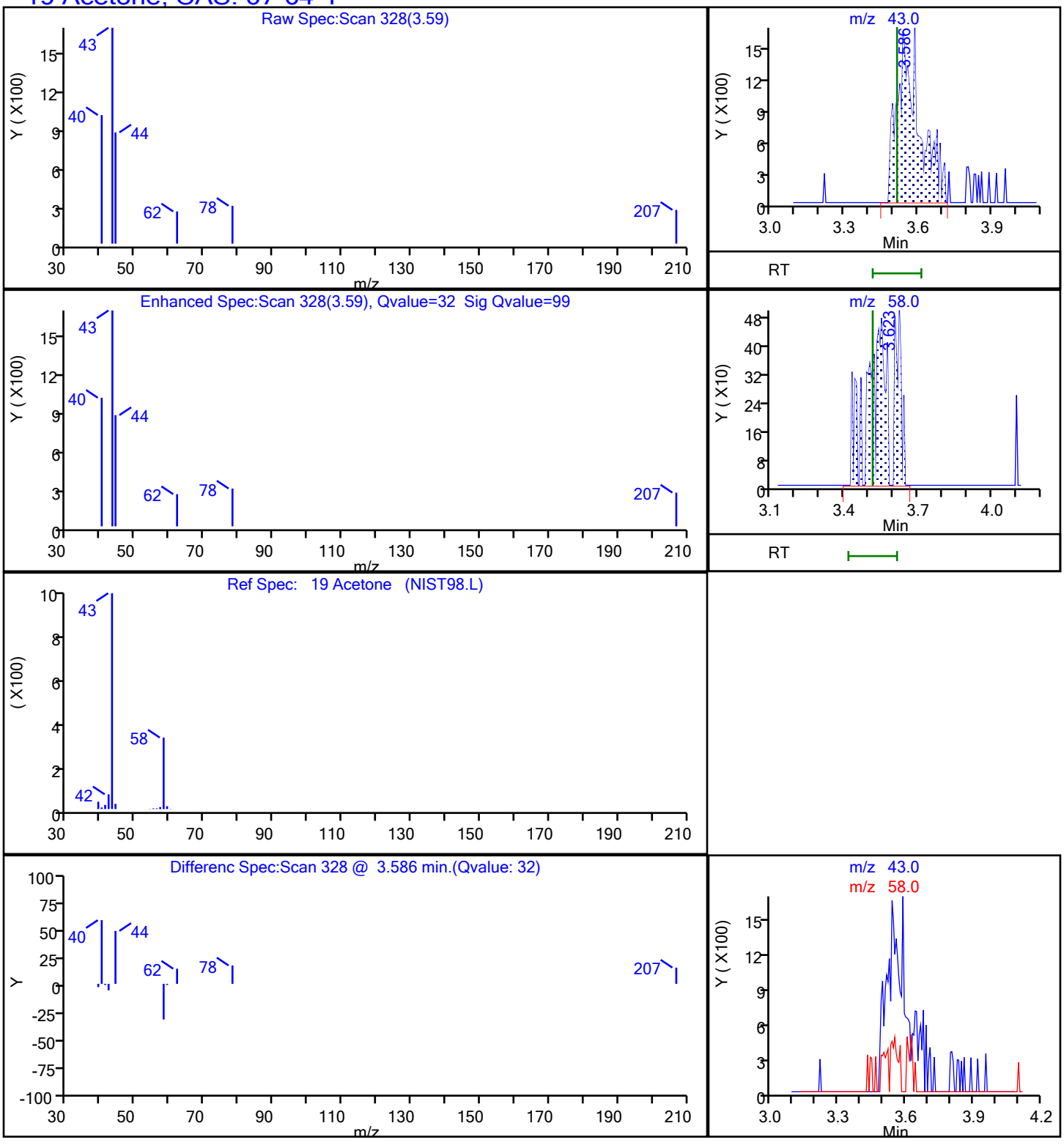
First Level Reviewer: innoonk Date: 28-Mar-2023 14:32:47

Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.5	105.23
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	104.94
$ 84 Toluene-d8 (Surr)	10.0	10.3	102.59
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.05	90.46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X24.D				
Injection Date:	28-Mar-2023 03:01:30	Instrument ID:	19094		
Lims ID:	410-119839-A-12	Lab Sample ID:	410-119839-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	24	Worklist Smp#:	25
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

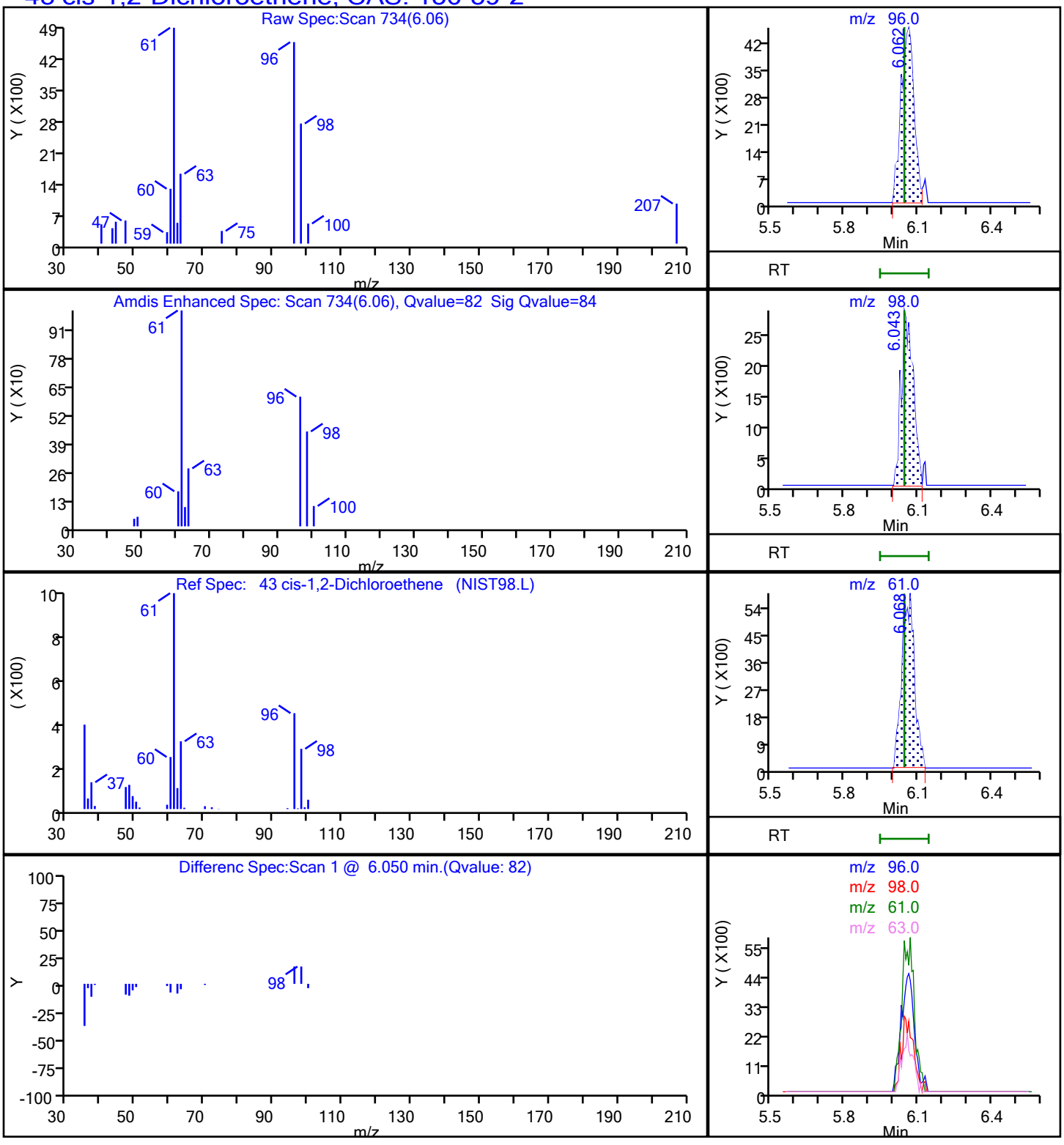


Report Date: 28-Mar-2023 14:52:43 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X24.D				
Injection Date:	28-Mar-2023 03:01:30	Instrument ID:	19094		
Lims ID:	410-119839-A-12	Lab Sample ID:	410-119839-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	24	Worklist Smp#:	25
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		

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

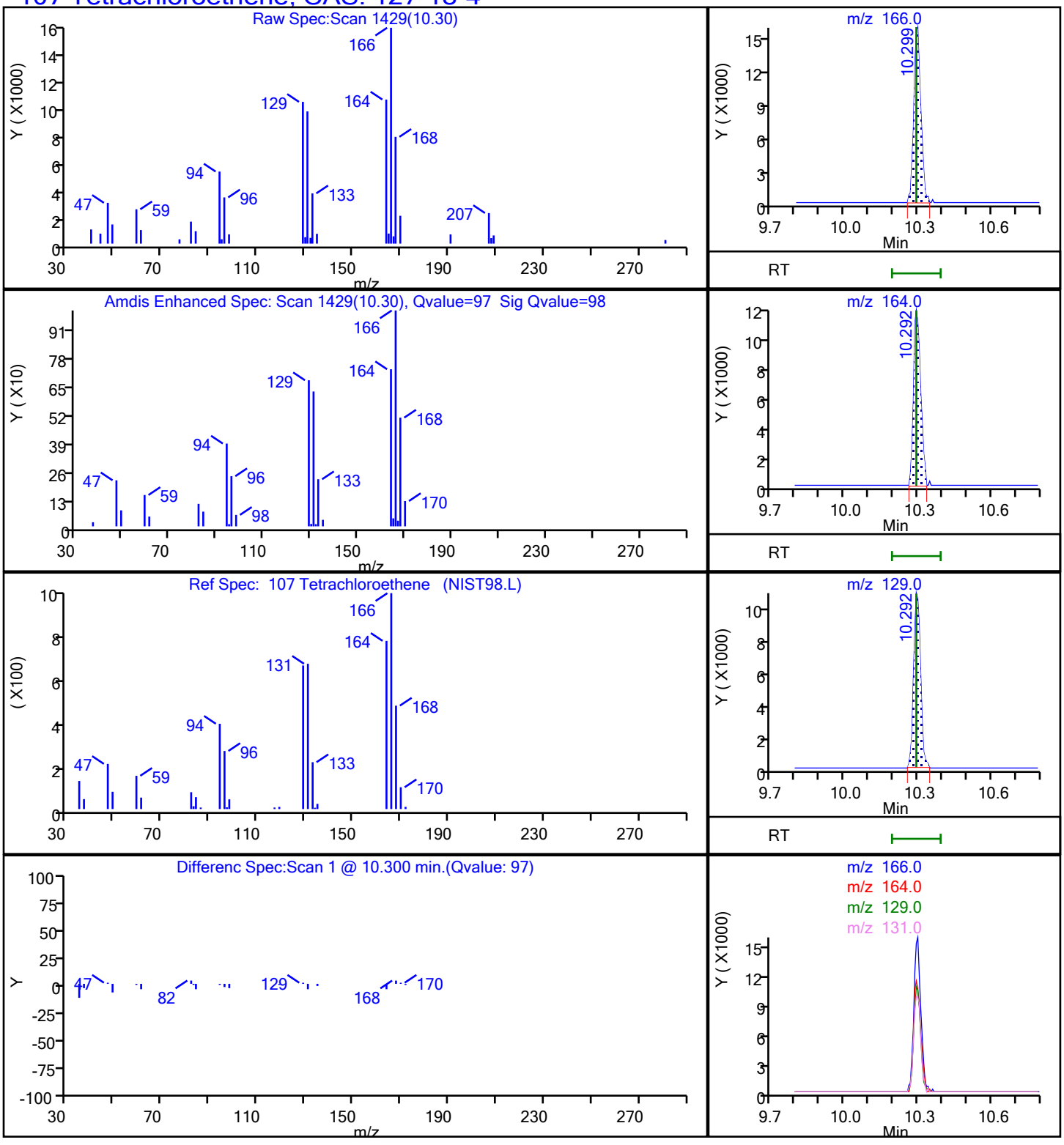


Report Date: 28-Mar-2023 14:52:43 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X24.D				
Injection Date:	28-Mar-2023 03:01:30	Instrument ID:	19094		
Lims ID:	410-119839-A-12	Lab Sample ID:	410-119839-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	24	Worklist Smp#:	25
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		

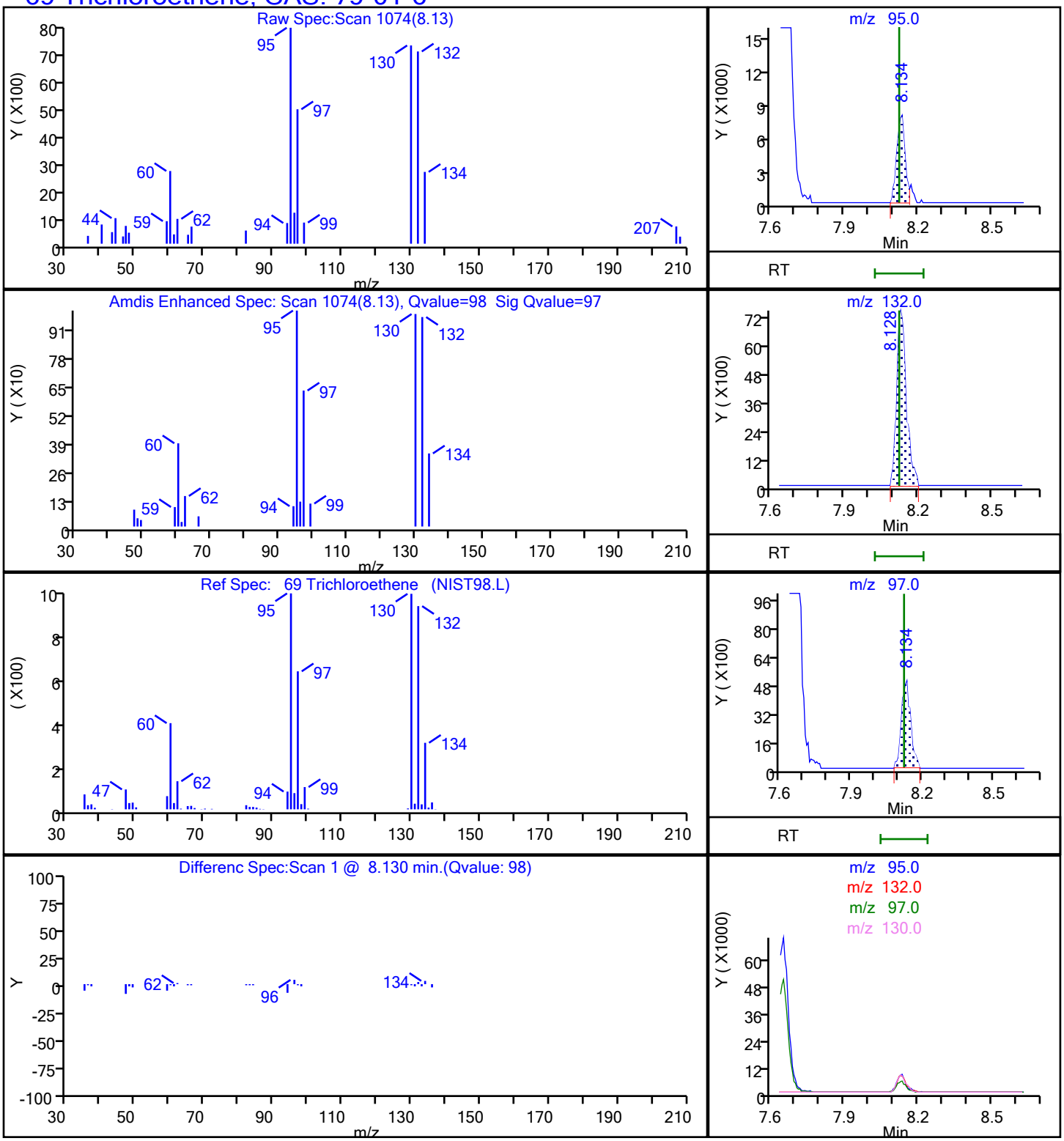
107 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X24.D				
Injection Date:	28-Mar-2023 03:01:30	Instrument ID:	19094		
Lims ID:	410-119839-A-12	Lab Sample ID:	410-119839-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	24	Worklist Smp#:	25
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		

69 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-119839-1

SDG No.:

Client Sample ID: GD-QC1-0/1-1
Lab Sample ID: 410-119839-13

Matrix: Water
Lab File ID: HM27X25.D

Analysis Method: 8260D
Date Collected: 03/22/2023 12:00

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2023 03:22

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.: 357851
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	4.9		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	1.3		0.50	0.10
75-35-4	1,1-Dichloroethene	0.40	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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
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	^c cn	1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.19	J	0.50	0.090
74-87-3	Chloromethane	ND	^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	4.3		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	0.10
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.: 410-119839-1

SDG No.:

Client Sample ID: GD-QC1-0/1-1
Lab Sample ID: 410-119839-13

Matrix: Water
Lab File ID: HM27X25.D

Analysis Method: 8260D
Date Collected: 03/22/2023 12:00

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2023 03:22

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.: 357851
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	3.7		0.50	0.080
75-01-4	Vinyl chloride	0.12	J ^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	88		80-120
1868-53-7	Dibromofluoromethane (Surr)	107		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\20230327-79983.b\HM27X25.D
Lims ID: 410-119839-A-13
Client ID: GD-QC1-0/1-1
Sample Type: Client
Inject. Date: 28-Mar-2023 03:22:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-026
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2023 14:52:26 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1628

First Level Reviewer: innoonk Date: 28-Mar-2023 14:52:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.111	2.111	0.000	96	7901	0.0957	
7 Vinyl chloride	62	2.221	2.227	-0.006	17	9689	0.1184	M
9 Bromomethane	94		2.556				ND	
10 Chloroethane	64		2.629				ND	
18 1,1-Dichloroethene	96	3.489	3.489	0.000	97	22530	0.4026	
19 Acetone	43		3.513				ND	U
24 Carbon disulfide	76		3.788				ND	7
28 Methylene Chloride	84		4.135				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.159	4.160	-0.001	24	114002	50.0	
33 Methyl tert-butyl ether	73		4.550				ND	7
34 trans-1,2-Dichloroethene	96		4.562				ND	7
37 1,1-Dichloroethane	63	5.226	5.220	0.006	95	147363	1.27	
42 2-Butanone (MEK)	43		6.007				ND	7
43 cis-1,2-Dichloroethene	96	6.049	6.043	0.006	80	295527	4.33	
49 Chlorobromomethane	128		6.379				ND	
52 Chloroform	83	6.549	6.531	0.018	94	21275	0.1941	M
$ 53 Dibromofluoromethane (Surr)	113	6.750	6.744	0.006	94	581730	10.7	
54 1,1,1-Trichloroethane	97	6.763	6.763	0.000	98	499210	4.89	
57 Carbon tetrachloride	117		6.982				ND	7
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.208	7.196	0.012	53	106808	10.7	
60 Benzene	78		7.232				ND	7
62 1,2-Dichloroethane	62		7.305				ND	7
* 65 Fluorobenzene (IS)	96	7.647	7.641	0.006	99	2151722	10.0	
69 Trichloroethene	95	8.128	8.122	0.006	98	261120	3.69	
71 1,2-Dichloropropane	63		8.457				ND	
77 Dichlorobromomethane	83		8.799				ND	
81 cis-1,3-Dichloropropene	75		9.354				ND	
83 4-Methyl-2-pentanone (MIBK)	43		9.524				ND	
$ 84 Toluene-d8 (Surr)	98	9.664	9.665	-0.001	93	2290943	10.0	
85 Toluene	92	9.744	9.738	0.006	51	4970	0.0293	
86 trans-1,3-Dichloropropene	75		10.000				ND	
106 1,1,2-Trichloroethane	97		10.201				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.292	10.292	0.000	98	5212239	66.5	E
109 2-Hexanone	43		10.414				ND	
111 Chlorodibromomethane	129		10.579				ND	7
112 Ethylene Dibromide	107		10.695				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.122	11.122	0.000	85	1868375	10.0	
115 Chlorobenzene	112		11.152				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.231				ND	
118 Ethylbenzene	91		11.237				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.353				ND	7
120 o-Xylene	106		11.676				ND	7
121 Styrene	104		11.695				ND	7
122 Bromoform	173		11.853				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.121	12.121	0.000	92	819321	8.83	
127 1,1,2,2-Tetrachloroethane	83		12.219				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	94	1019155	10.0	

QC Flag Legend

Processing Flags
- E - Exceeded Maximum Amount
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected

Reagents:

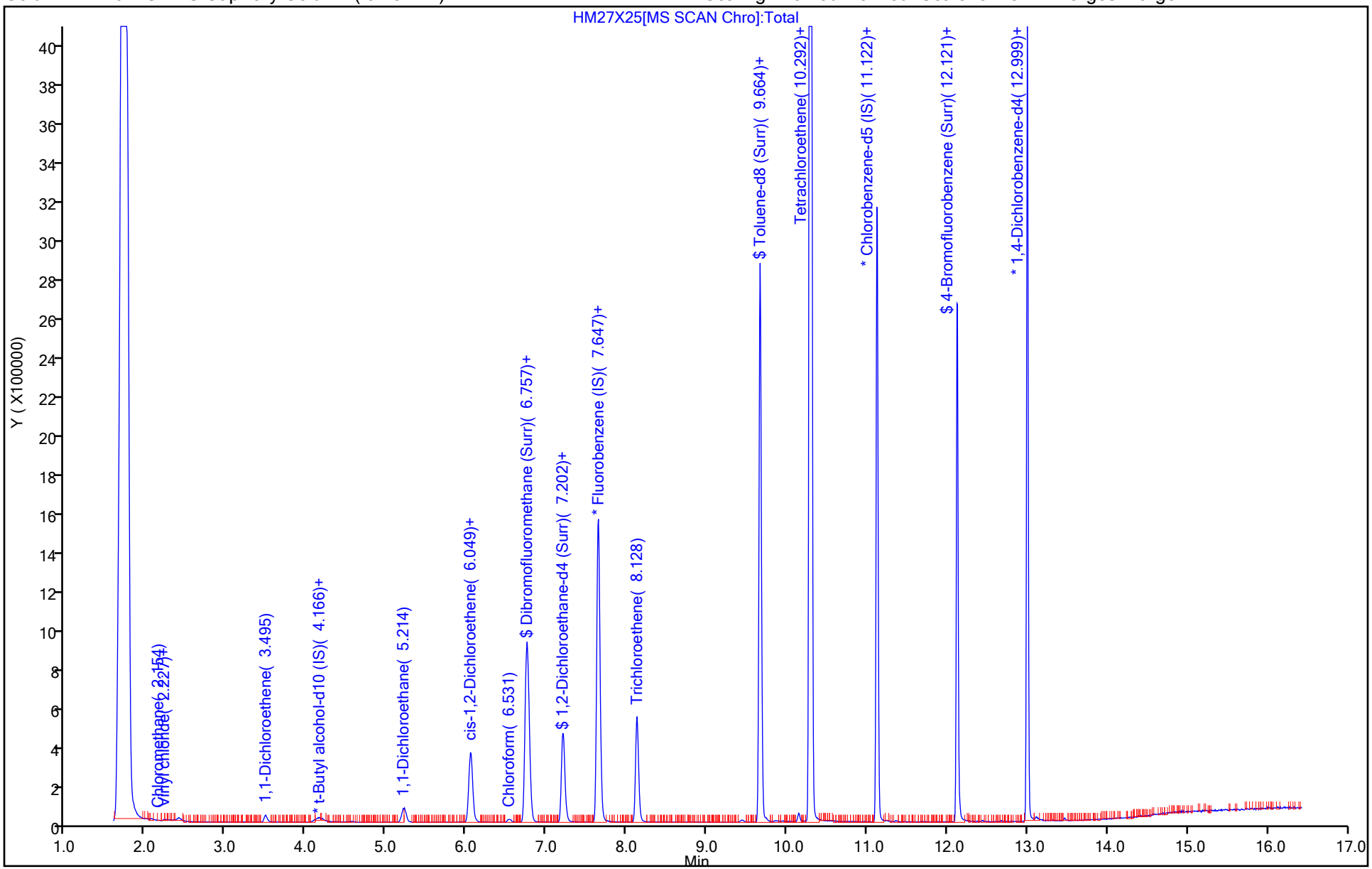
MSV_HP25_ISSS_00066 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 28-Mar-2023 14:52:27 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X25.D				
Injection Date:	28-Mar-2023 03:22:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-119839-A-13	Lab Sample ID:	410-119839-13	Worklist Smp#:	26
Client ID:	GD-QC1-0/1-1				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
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\20230327-79983.b\HM27X25.D				
Lims ID:	410-119839-A-13				
Client ID:	GD-QC1-0/1-1				
Sample Type:	Client				
Inject. Date:	28-Mar-2023 03:22:30	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-026				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	28-Mar-2023 14:52:26	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1628				

First Level Reviewer: innoonk Date: 28-Mar-2023 14:52:26

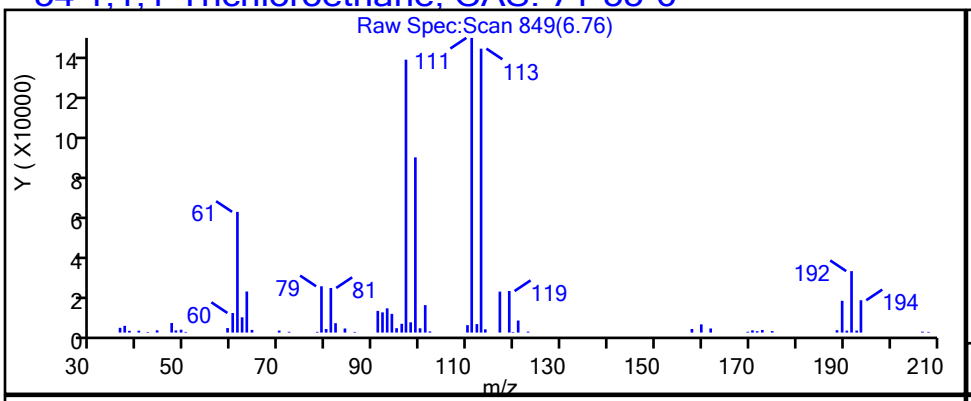
Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.7	106.81
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	107.48
$ 84 Toluene-d8 (Surr)	10.0	10.0	100.23
$ 126 4-Bromofluorobenzene (Surr)	10.0	8.83	88.30

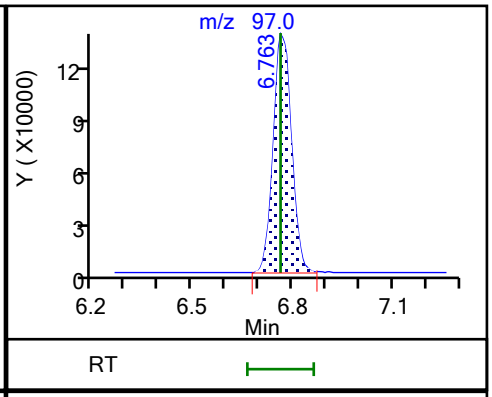
Report Date: 28-Mar-2023 14:52:27 Chrom Revision: 2.3 16-Mar-2023 15:40:40

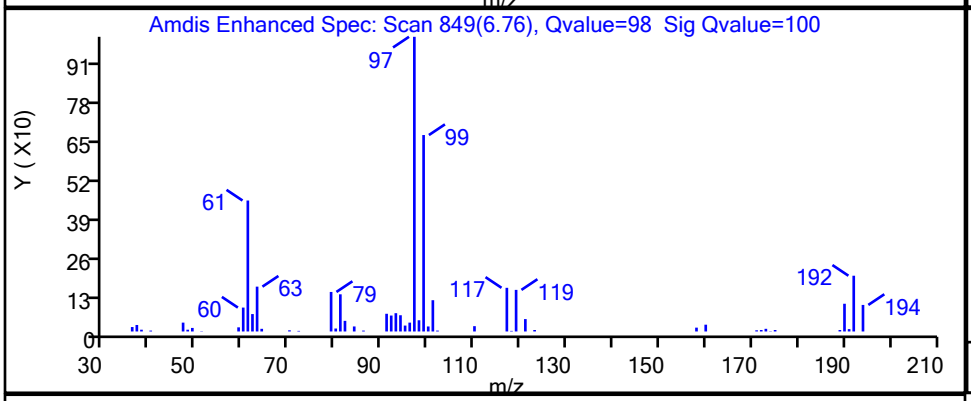
Eurofins Lancaster Laboratories Environment Testing, LLC

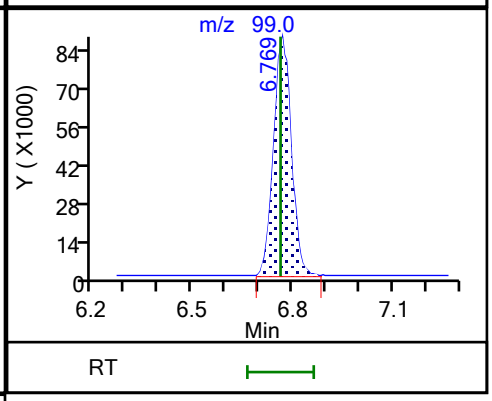
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X25.D				
Injection Date:	28-Mar-2023 03:22:30	Instrument ID:	19094		
Lims ID:	410-119839-A-13	Lab Sample ID:	410-119839-13		
Client ID:	GD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

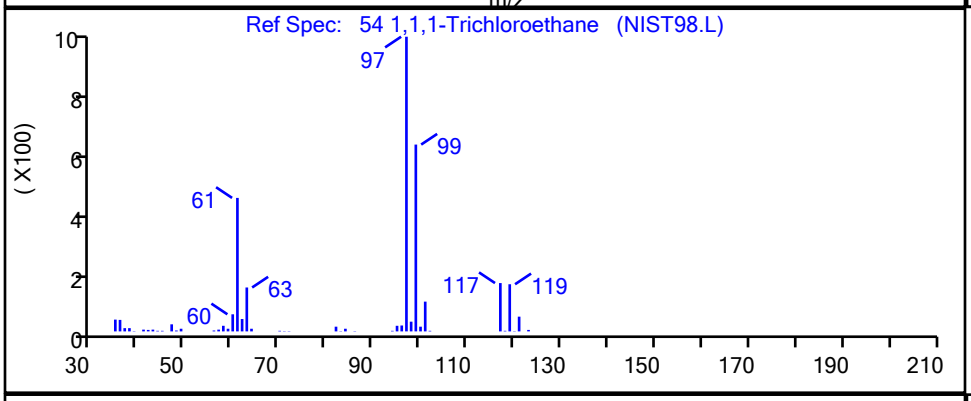
54 1,1,1-Trichloroethane, CAS: 71-55-6

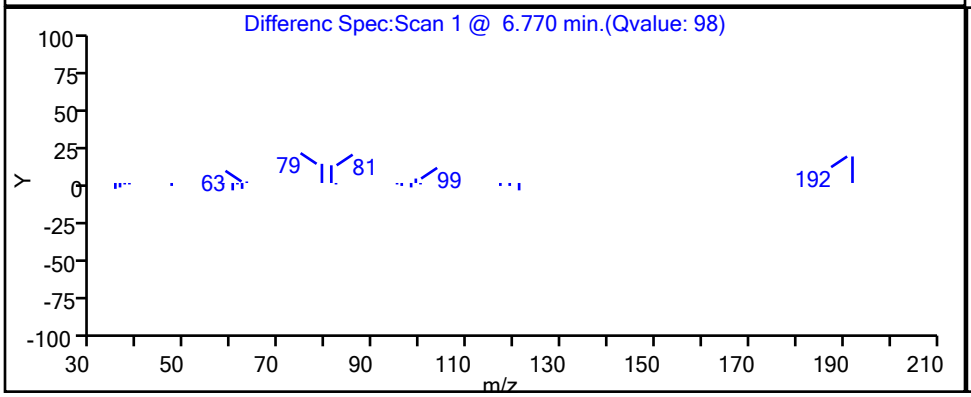


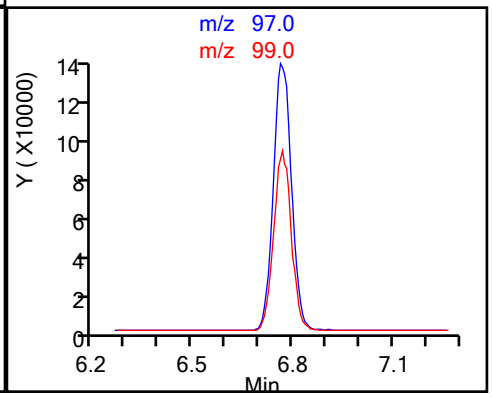










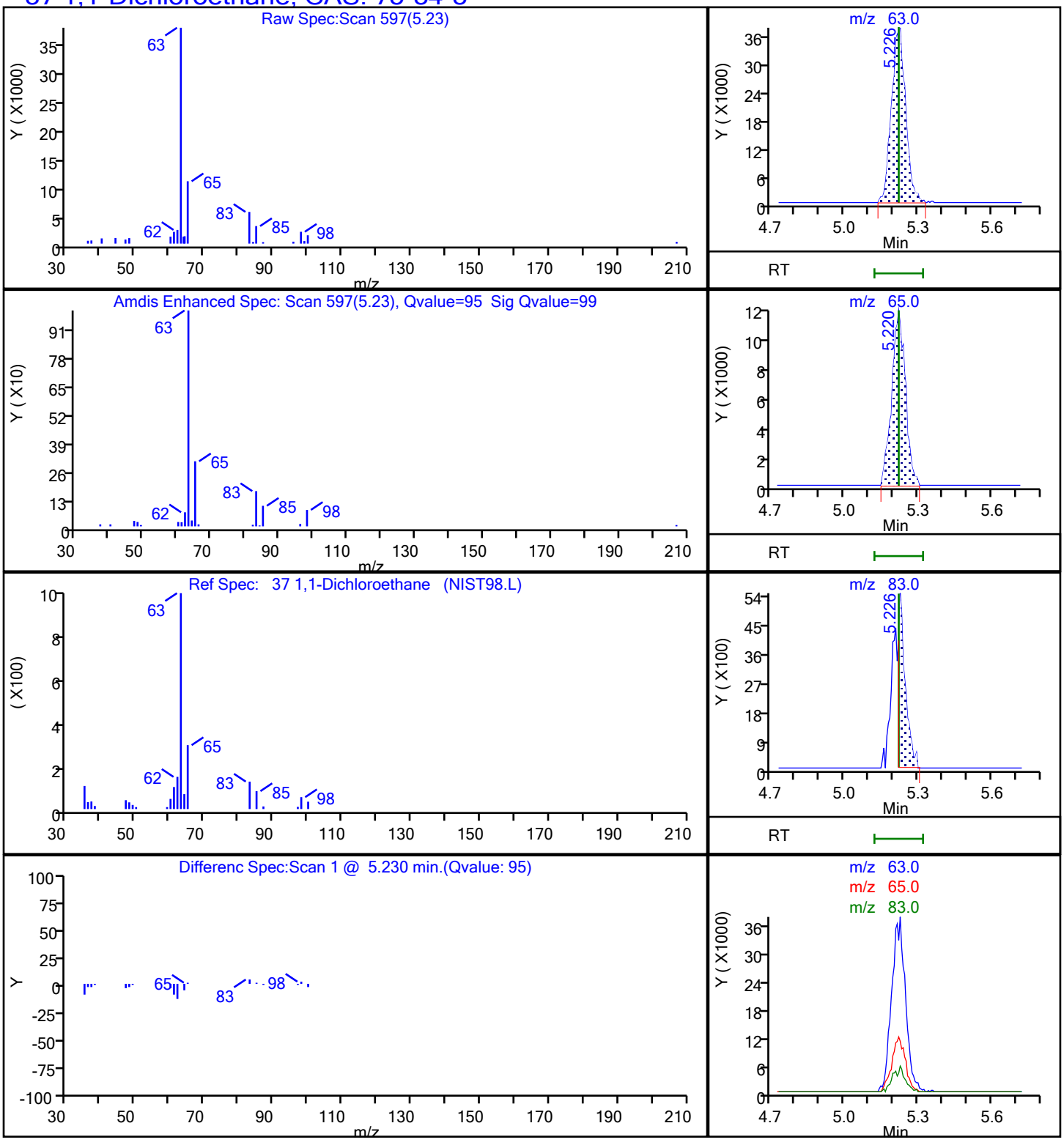


Report Date: 28-Mar-2023 14:52:27 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X25.D				
Injection Date:	28-Mar-2023 03:22:30	Instrument ID:	19094		
Lims ID:	410-119839-A-13	Lab Sample ID:	410-119839-13		
Client ID:	GD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	25	Worklist Smp#:	26
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		

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

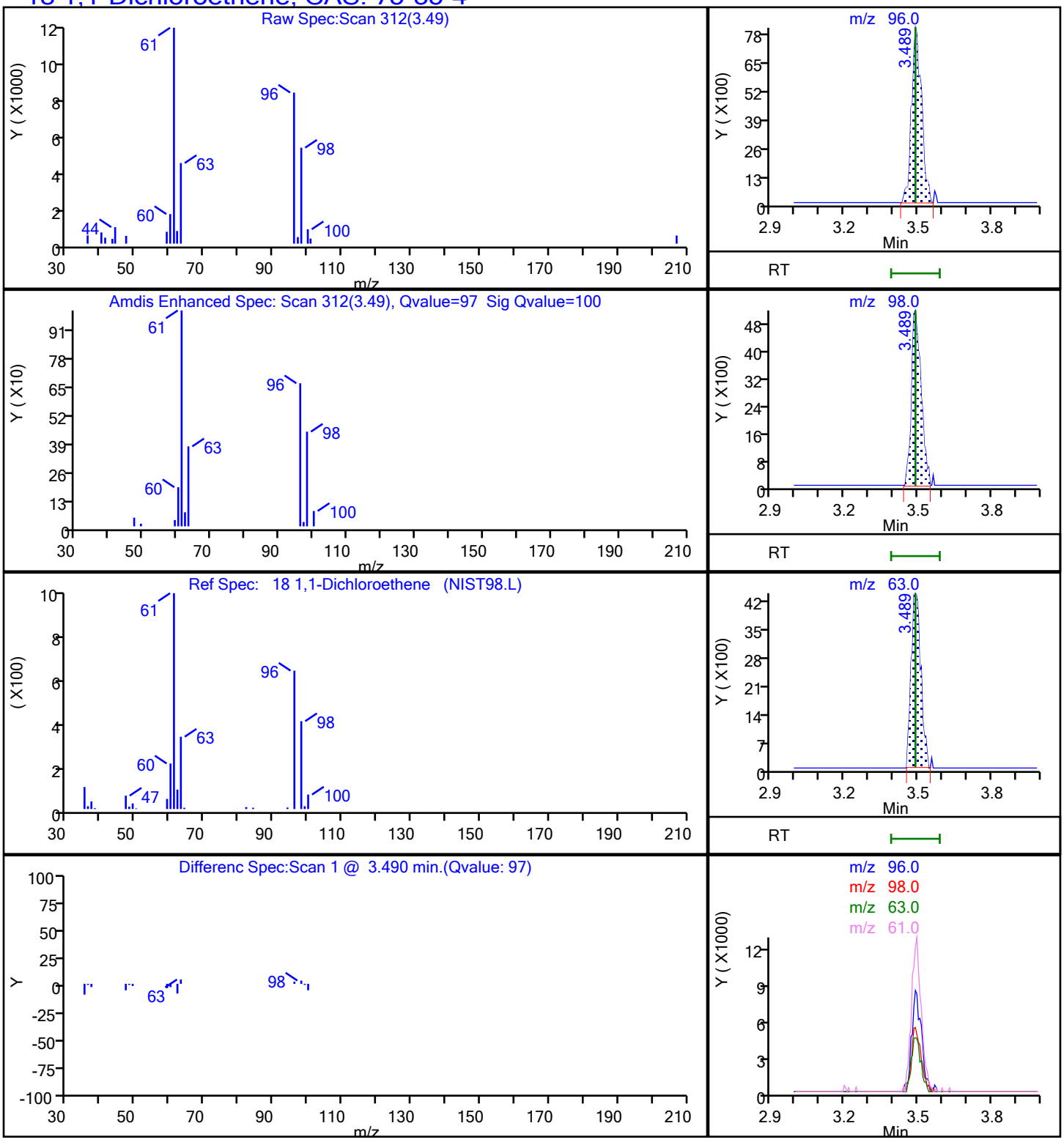


Report Date: 28-Mar-2023 14:52:27 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X25.D				
Injection Date:	28-Mar-2023 03:22:30	Instrument ID:	19094		
Lims ID:	410-119839-A-13	Lab Sample ID:	410-119839-13		
Client ID:	GD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	25	Worklist Smp#:	26
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		

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

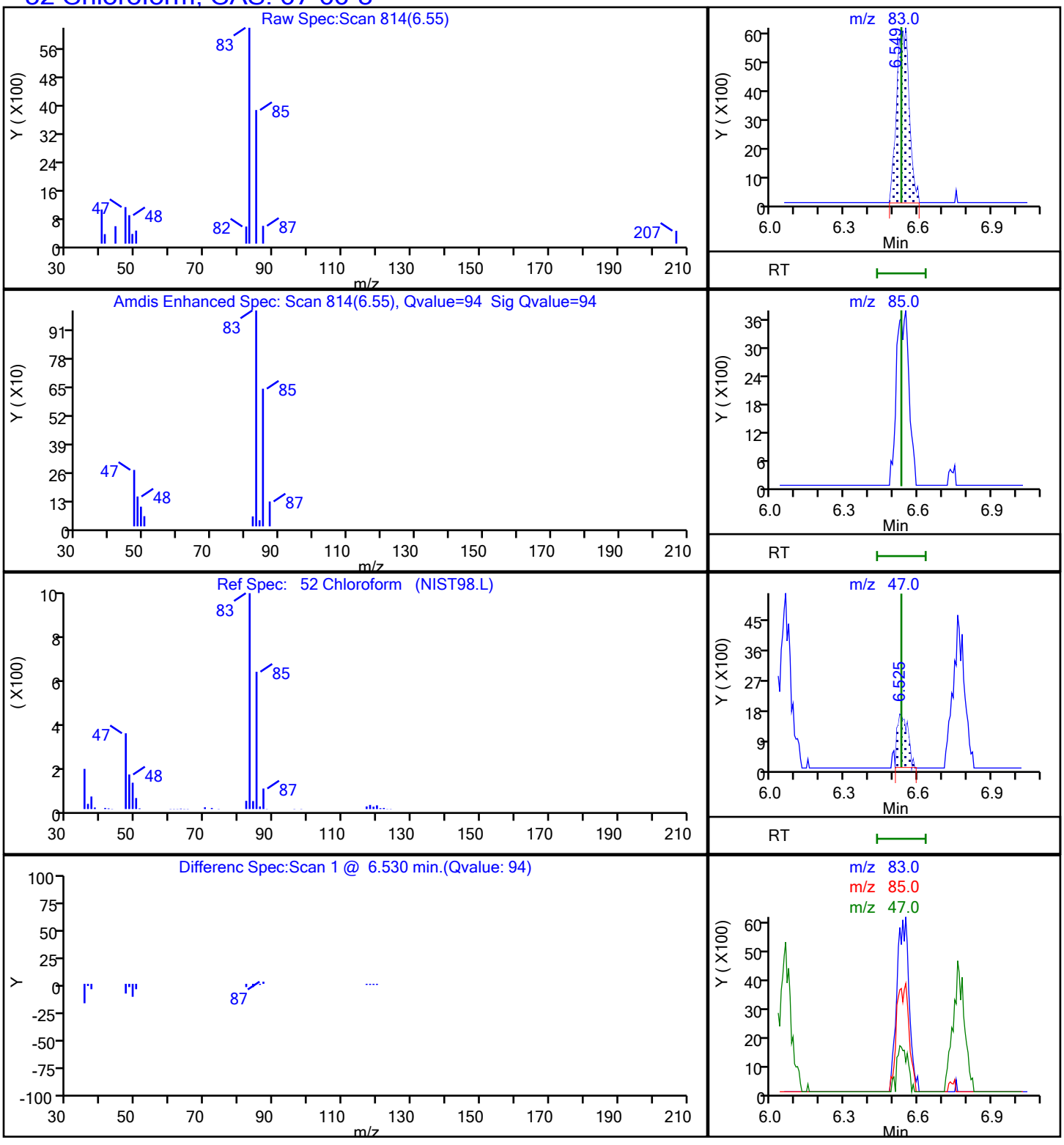


Report Date: 28-Mar-2023 14:52:27 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X25.D				
Injection Date:	28-Mar-2023 03:22:30	Instrument ID:	19094		
Lims ID:	410-119839-A-13	Lab Sample ID:	410-119839-13		
Client ID:	GD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	25	Worklist Smp#:	26
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		

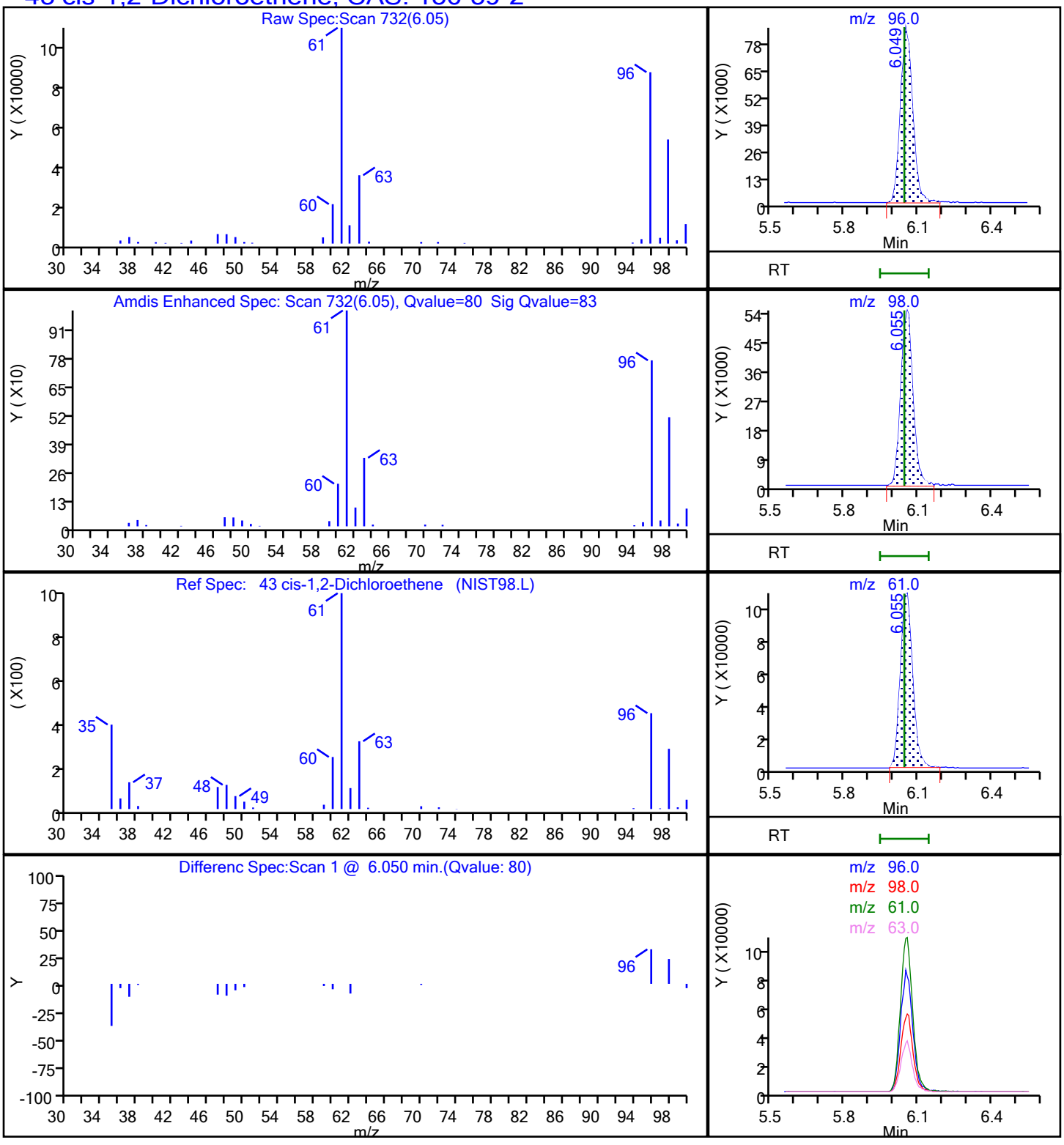
52 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X25.D				
Injection Date:	28-Mar-2023 03:22:30	Instrument ID:	19094		
Lims ID:	410-119839-A-13	Lab Sample ID:	410-119839-13		
Client ID:	GD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	25	Worklist Smp#:	26
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		

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

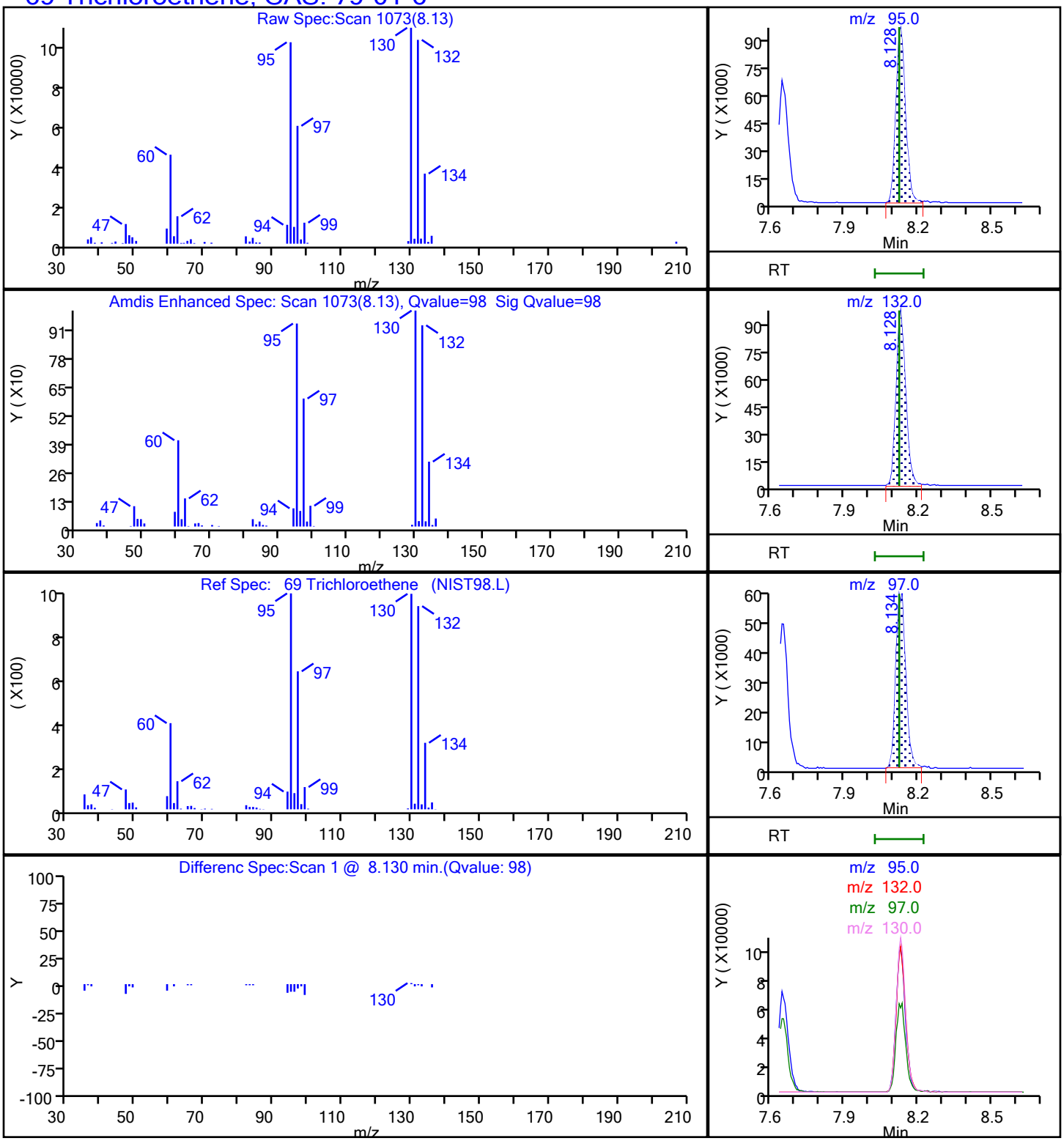


Report Date: 28-Mar-2023 14:52:27 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X25.D				
Injection Date:	28-Mar-2023 03:22:30	Instrument ID:	19094		
Lims ID:	410-119839-A-13	Lab Sample ID:	410-119839-13		
Client ID:	GD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	25	Worklist Smp#:	26
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 Trichloroethene, CAS: 79-01-6

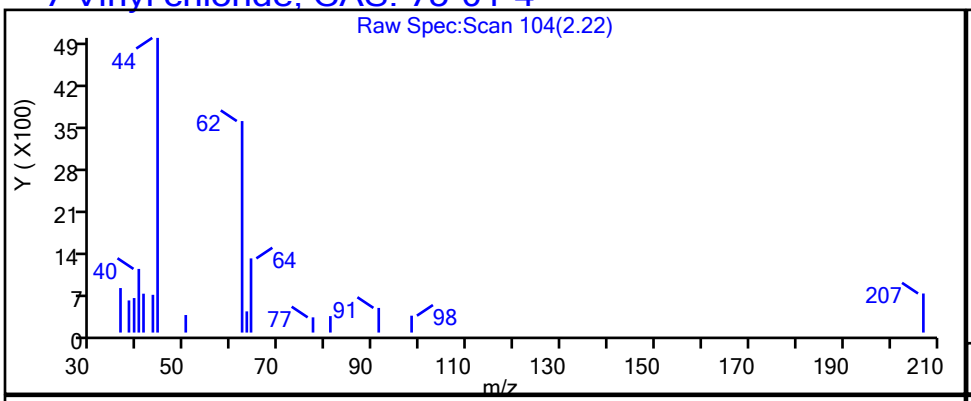


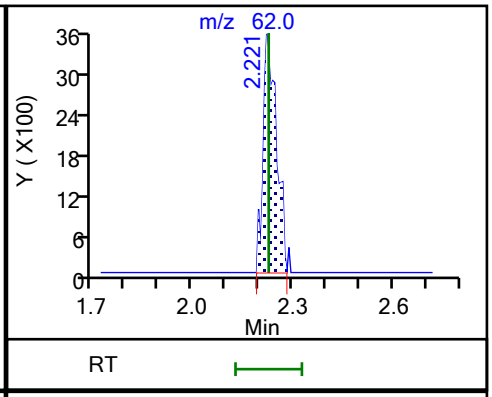
Report Date: 28-Mar-2023 14:52:27 Chrom Revision: 2.3 16-Mar-2023 15:40:40

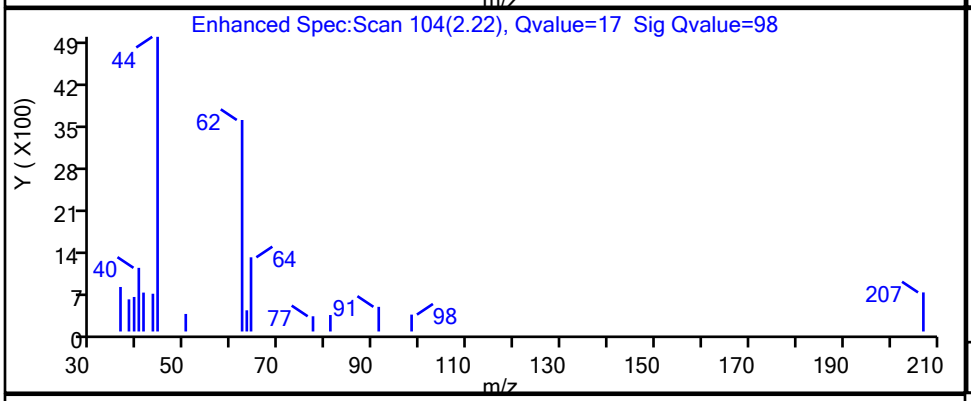
Eurofins Lancaster Laboratories Environment Testing, LLC

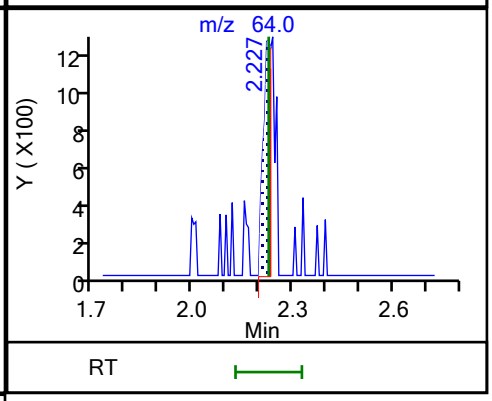
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X25.D				
Injection Date:	28-Mar-2023 03:22:30	Instrument ID:	19094		
Lims ID:	410-119839-A-13	Lab Sample ID:	410-119839-13		
Client ID:	GD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

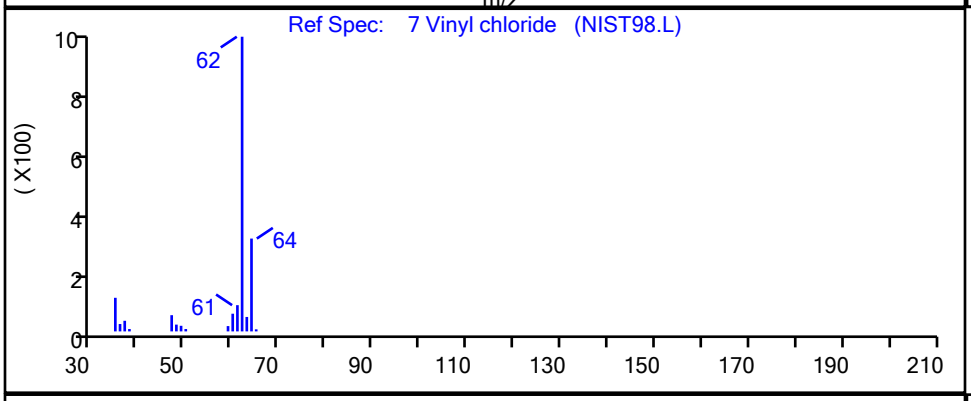
7 Vinyl chloride, CAS: 75-01-4

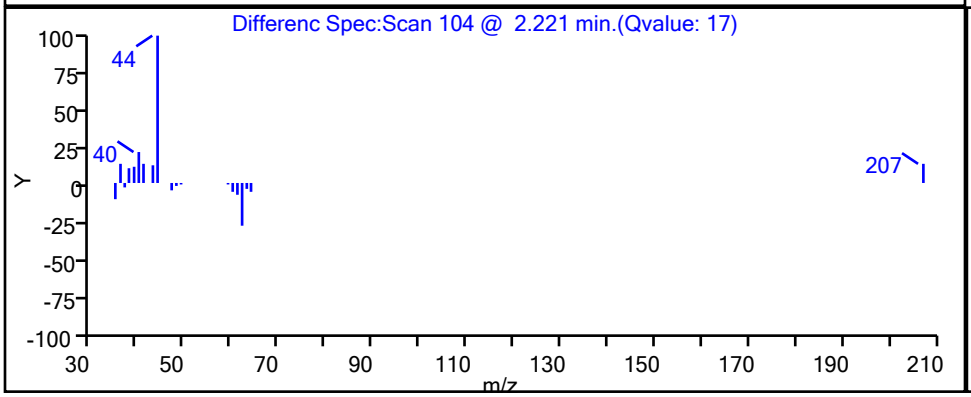


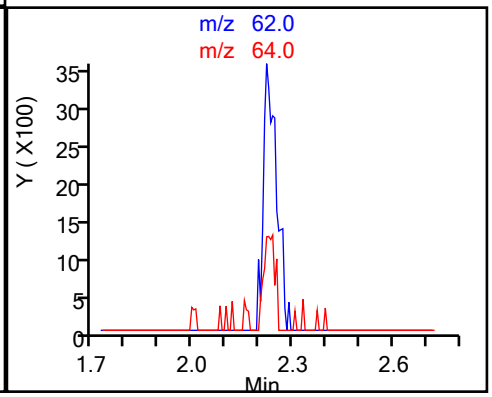












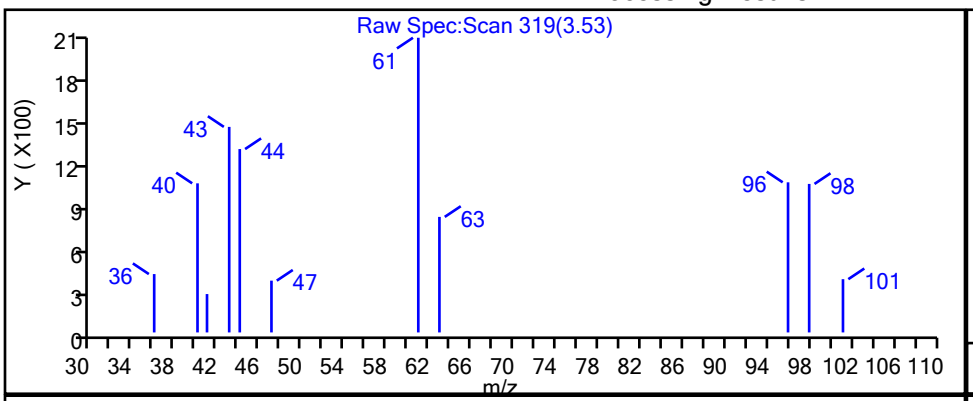
User Disabled Compound Report

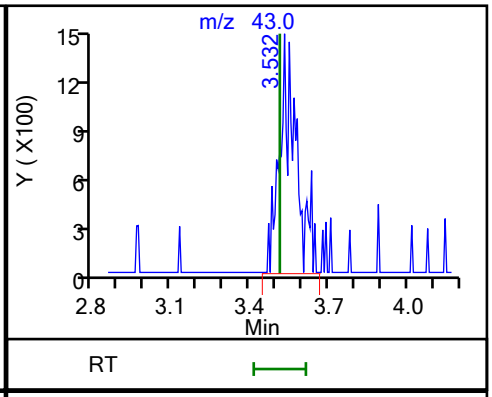
Eurofins Lancaster Laboratories Environment Testing, LLC

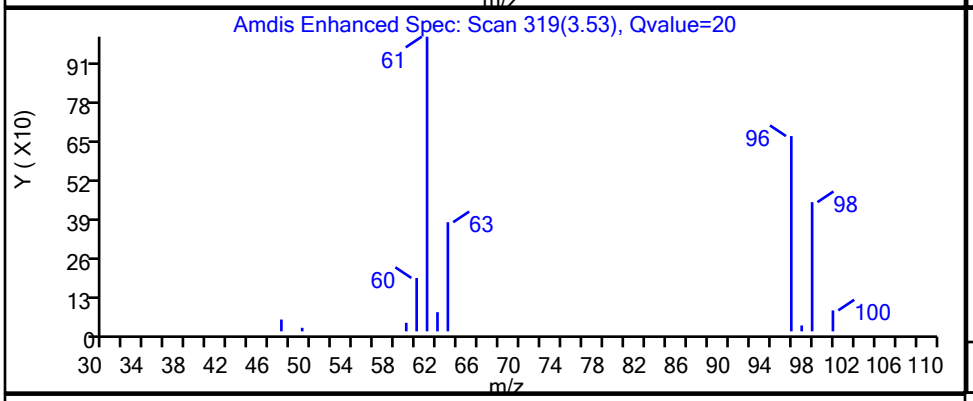
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X25.D				
Injection Date:	28-Mar-2023 03:22:30	Instrument ID:	19094		
Lims ID:	410-119839-A-13	Lab Sample ID:	410-119839-13		
Client ID:	GD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

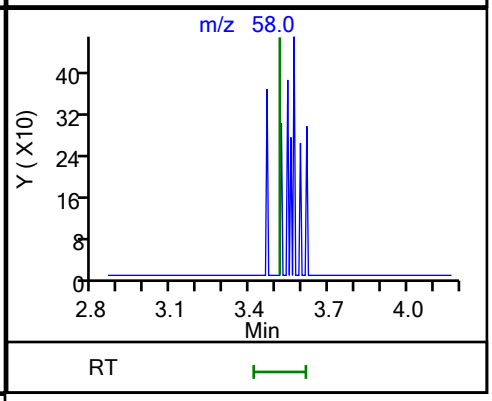
19 Acetone, CAS: 67-64-1

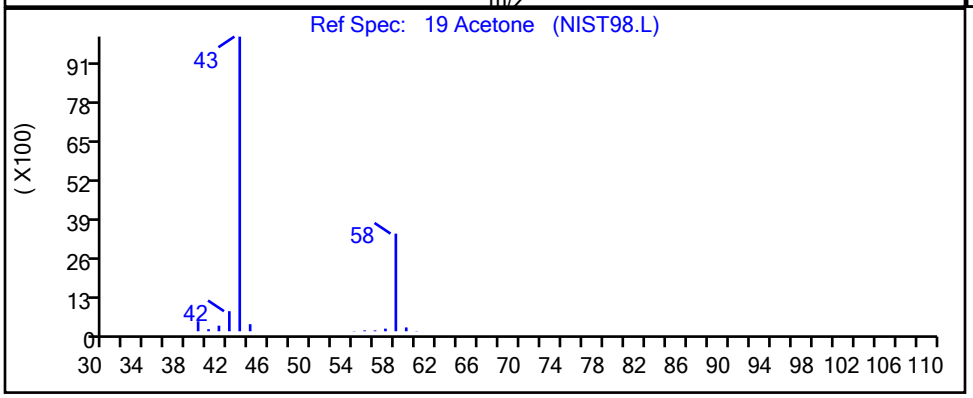
Processing Results











RT	Mass	Response	Amount
3.53	43.00	6144	0.842404
3.51	58.00	0	

Reviewer: innoonk, 28-Mar-2023 14:51:27

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

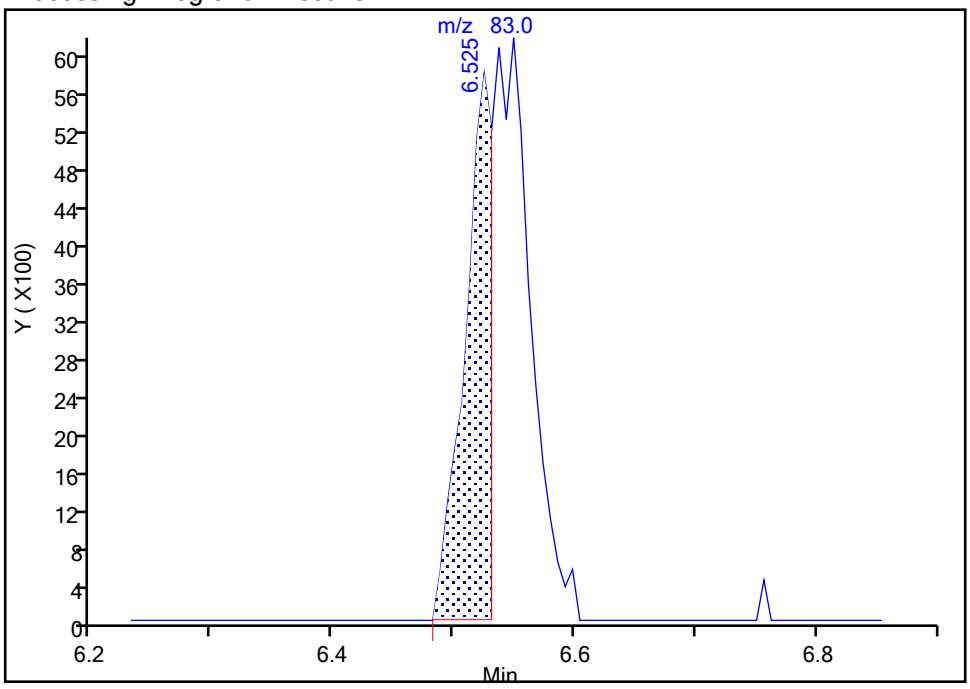
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X25.D				
Injection Date:	28-Mar-2023 03:22:30	Instrument ID:	19094		
Lims ID:	410-119839-A-13	Lab Sample ID:	410-119839-13		
Client ID:	GD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

52 Chloroform, CAS: 67-66-3

Signal: 1

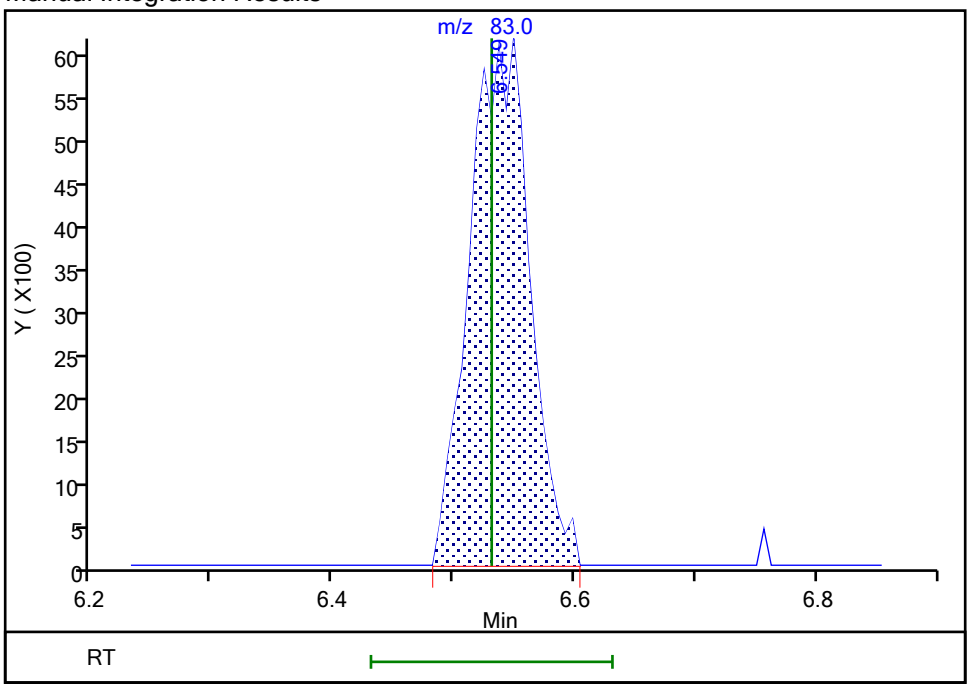
Processing Integration Results

RT: 6.52
Area: 9272
Amount: 0.084581
Amount Units: ug/l



Manual Integration Results

RT: 6.55
Area: 21275
Amount: 0.194075
Amount Units: ug/l



Reviewer: innoonk, 28-Mar-2023 14:51:49

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

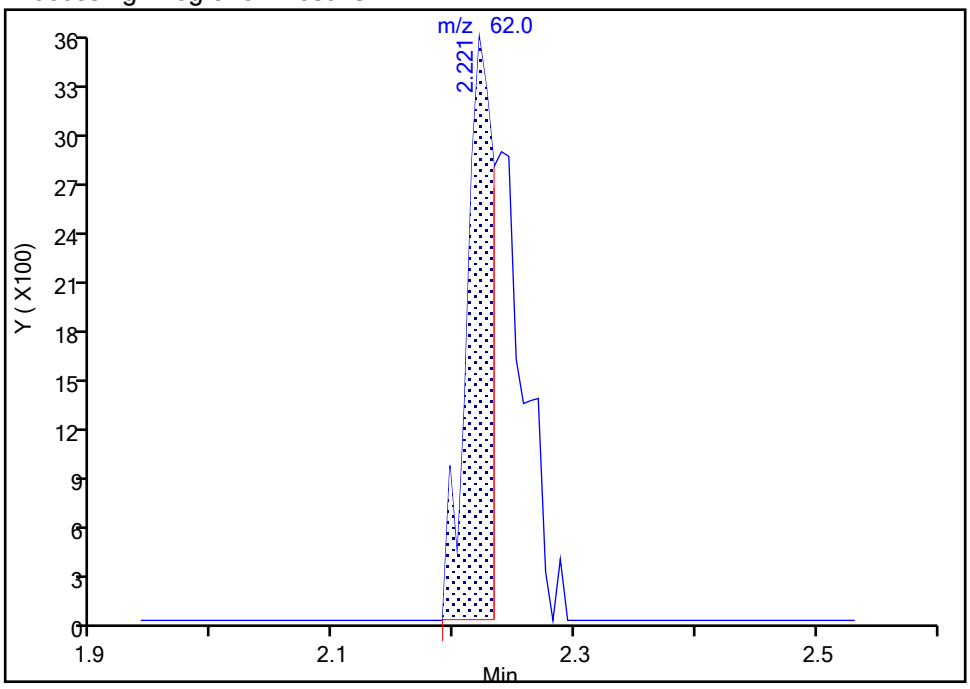
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X25.D				
Injection Date:	28-Mar-2023 03:22:30	Instrument ID:	19094		
Lims ID:	410-119839-A-13	Lab Sample ID:	410-119839-13		
Client ID:	GD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

7 Vinyl chloride, CAS: 75-01-4

Signal: 1

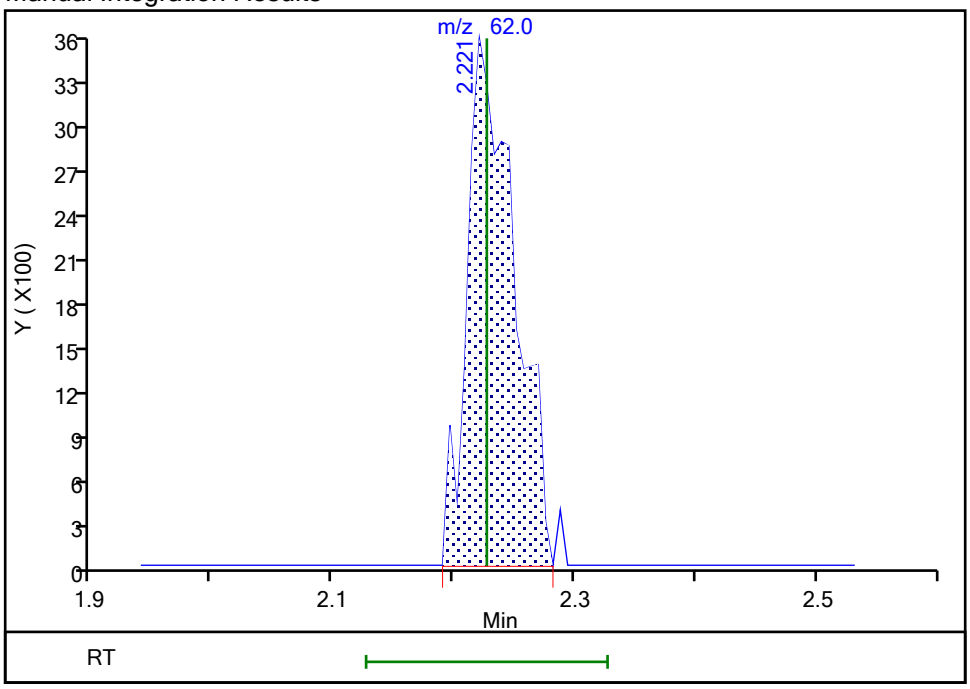
Processing Integration Results

RT: 2.22
Area: 5472
Amount: 0.066887
Amount Units: ug/l



Manual Integration Results

RT: 2.22
Area: 9689
Amount: 0.118433
Amount Units: ug/l



Reviewer: innoonk, 28-Mar-2023 14:51:20

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.: 410-119839-1

SDG No.:

Client Sample ID: GD-QC1-0/1-1 DL
Lab Sample ID: 410-119839-13 DL

Matrix: Water
Lab File ID: IM29X18.D

Analysis Method: 8260D
Date Collected: 03/22/2023 12:00

Sample wt/vol: 25(mL)
Date Analyzed: 03/30/2023 01:30

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.: 358849
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	50		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X18.D
Lims ID: 410-119839-B-13 DL
Client ID: GD-QC1-0/1-1
Sample Type: Client
Inject. Date: 30-Mar-2023 01:30:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0080205-019
Operator ID: mec29284 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 30-Mar-2023 12:55:04 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: kaewrungrueangp Date: 30-Mar-2023 12:55:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.087				ND	7
5 Vinyl chloride	62		2.197				ND	7
7 Bromomethane	94		2.526				ND	
8 Chloroethane	64		2.599				ND	
15 1,1-Dichloroethene	96	3.428	3.434	-0.006	87	2084	0.0385	
16 Acetone	43		3.465				ND	U
20 Carbon disulfide	76		3.733				ND	7
25 Methylene Chloride	84		4.074				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	4.105	4.099	0.006	26	150469	50.0	
29 Methyl tert-butyl ether	73		4.477				ND	
30 trans-1,2-Dichloroethene	96		4.489				ND	
32 1,1-Dichloroethane	63	5.159	5.147	0.012	93	11664	0.1056	
38 2-Butanone (MEK)	43		5.946				ND	7
39 cis-1,2-Dichloroethene	96	6.001	5.982	0.019	80	29279	0.4400	
46 Chlorobromomethane	128		6.312				ND	
48 Chloroform	83		6.464				ND	7
$ 49 Dibromofluoromethane (Surr)	113	6.683	6.677	0.006	94	582414	10.5	
50 1,1,1-Trichloroethane	97	6.702	6.690	0.012	98	43006	0.4012	
54 Carbon tetrachloride	117		6.903				ND	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.141	7.128	0.013	63	110286	10.4	
57 Benzene	78		7.159				ND	
58 1,2-Dichloroethane	62		7.232				ND	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2100219	10.0	
64 Trichloroethene	95	8.061	8.049	0.012	97	22612	0.3293	
66 1,2-Dichloropropane	63		8.378				ND	
71 Dichlorobromomethane	83		8.720				ND	
76 cis-1,3-Dichloropropene	75		9.274				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.451				ND	
$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2115777	9.73	
79 Toluene	92		9.665				ND	7
97 trans-1,3-Dichloropropene	75		9.927				ND	
100 1,1,2-Trichloroethane	97		10.134				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.225	10.225	0.000	98	451940	5.00	
103 2-Hexanone	43		10.347				ND	
105 Chlorodibromomethane	129		10.518				ND	
106 Ethylene Dibromide	107		10.628				ND	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1688292	10.0	
109 Chlorobenzene	112		11.085				ND	
111 1,1,1,2-Tetrachloroethane	131		11.170				ND	
112 Ethylbenzene	91		11.170				ND	
S 110 Xylenes, Total	106		11.245				ND	7
113 m-Xylene & p-Xylene	106		11.286				ND	
114 o-Xylene	106		11.615				ND	
115 Styrene	104		11.634				ND	
116 Bromoform	173		11.792				ND	
$ 120 4-Bromofluorobenzene (Surr)	95	12.067	12.067	0.000	96	788811	9.96	
121 1,1,2,2-Tetrachloroethane	83		12.164				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1058048	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

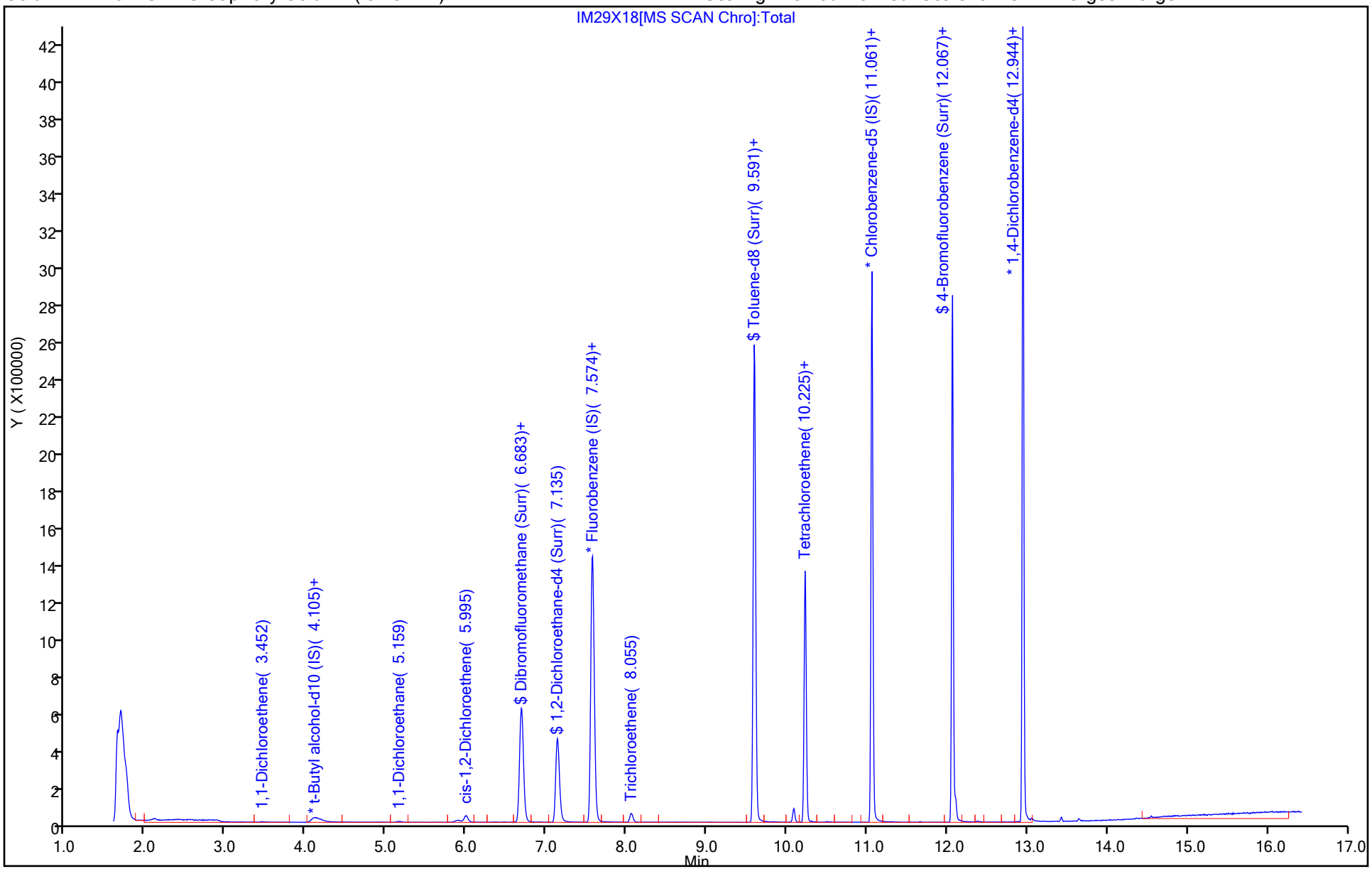
MSV_LLcentISS_00006 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 30-Mar-2023 12:55:04 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X18.D				
Injection Date:	30-Mar-2023 01:30:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	410-119839-B-13 DL	Lab Sample ID:	410-119839-13	Worklist Smp#:	19
Client ID:	GD-QC1-0/1-1				
Purge Vol:	25.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	18
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X18.D				
Lims ID:	410-119839-B-13 DL				
Client ID:	GD-QC1-0/1-1				
Sample Type:	Client				
Inject. Date:	30-Mar-2023 01:30:30	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Sample Info:	410-0080205-019				
Operator ID:	mec29284	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20230329-80205.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	30-Mar-2023 12:55:04	Calib Date:	21-Mar-2023 06:02:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1672				

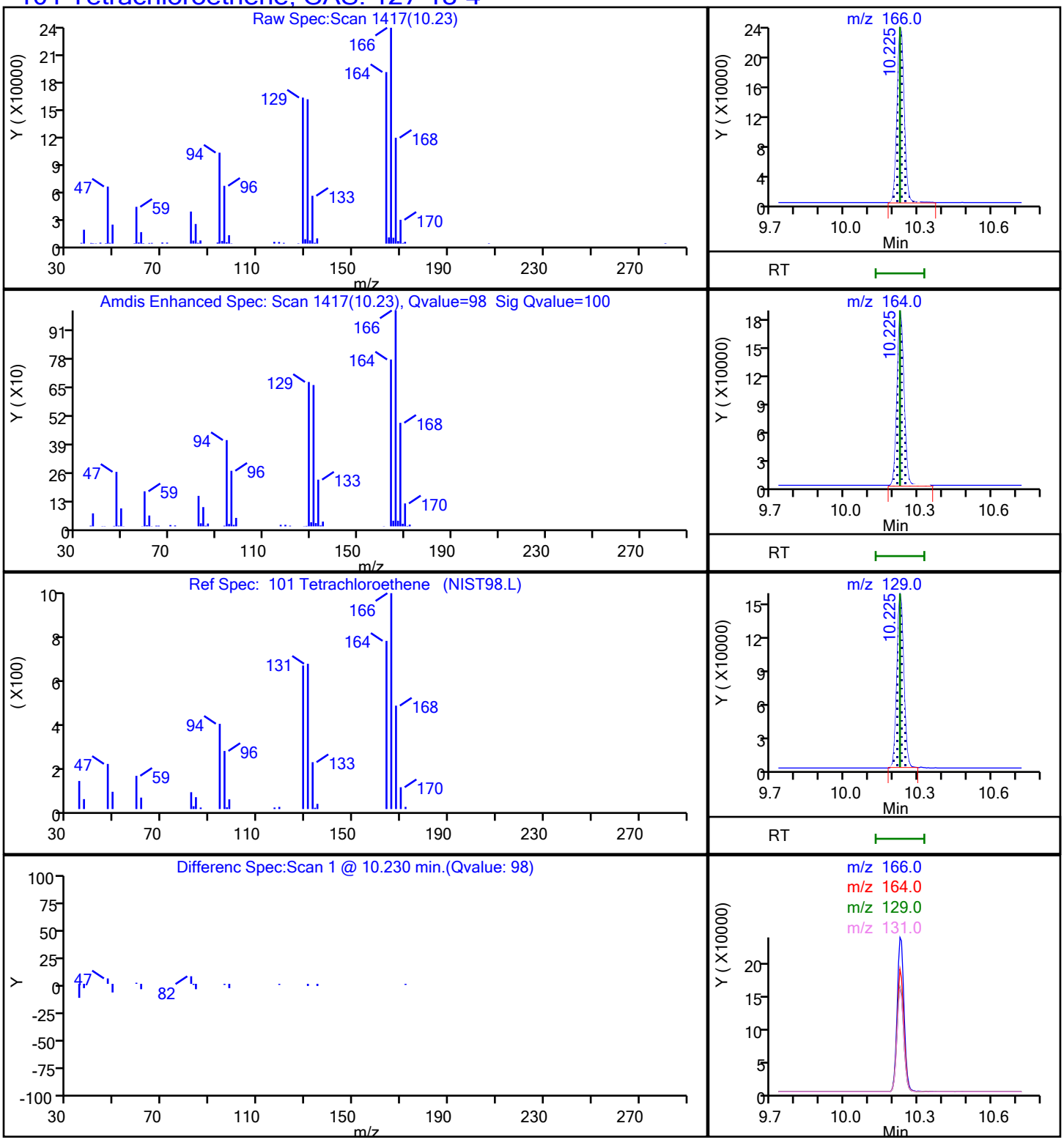
First Level Reviewer: kaewrungrueangp Date: 30-Mar-2023 12:55:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.5	104.67
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	104.50
$ 78 Toluene-d8 (Surr)	10.0	9.73	97.35
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.96	99.56

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X18.D				
Injection Date:	30-Mar-2023 01:30:30	Instrument ID:	19930		
Lims ID:	410-119839-B-13 DL	Lab Sample ID:	410-119839-13		
Client ID:	GD-QC1-0/1-1				
Operator ID:	mec29284	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

101 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-119839-1

SDG No.:

Client Sample ID: GD-QC1-0/1-2
Lab Sample ID: 410-119839-14

Matrix: Water
Lab File ID: HM27X06.D

Analysis Method: 8260D
Date Collected: 03/22/2023 00:00

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 20:47

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.: 357851
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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.3	J	5.0	1.0
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	^c cn	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	^c cn	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	0.10
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.: 410-119839-1

SDG No.:

Client Sample ID: GD-QC1-0/1-2
Lab Sample ID: 410-119839-14

Matrix: Water
Lab File ID: HM27X06.D

Analysis Method: 8260D
Date Collected: 03/22/2023 00:00

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 20:47

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.: 357851
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	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X06.D
Lims ID: 410-119839-A-14
Client ID: GD-QC1-0/1-2
Sample Type: Client
Inject. Date: 27-Mar-2023 20:47:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-007
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Mar-2023 21:55:37 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1628

First Level Reviewer: innoonk Date: 28-Mar-2023 11:14:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.111	2.111	0.000	5	4397	0.0507	
7 Vinyl chloride	62		2.227				ND	
9 Bromomethane	94		2.556				ND	
10 Chloroethane	64		2.629				ND	
18 1,1-Dichloroethene	96		3.489				ND	
19 Acetone	43	3.550	3.513	0.037	77	9956	1.28	
24 Carbon disulfide	76		3.788				ND	7
28 Methylene Chloride	84		4.135				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.159	4.160	-0.001	21	122001	50.0	
33 Methyl tert-butyl ether	73		4.550				ND	
34 trans-1,2-Dichloroethene	96		4.562				ND	
37 1,1-Dichloroethane	63		5.220				ND	
42 2-Butanone (MEK)	43		6.007				ND	7
43 cis-1,2-Dichloroethene	96		6.043				ND	
49 Chlorobromomethane	128		6.379				ND	
52 Chloroform	83		6.531				ND	
$ 53 Dibromofluoromethane (Surr)	113	6.750	6.744	0.006	93	591154	10.3	
54 1,1,1-Trichloroethane	97		6.763				ND	
57 Carbon tetrachloride	117		6.982				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.202	7.196	0.006	52	108604	10.4	
60 Benzene	78		7.232				ND	7
62 1,2-Dichloroethane	62		7.305				ND	7
* 65 Fluorobenzene (IS)	96	7.647	7.641	0.006	99	2258892	10.0	
69 Trichloroethene	95		8.122				ND	
71 1,2-Dichloropropane	63		8.457				ND	
77 Dichlorobromomethane	83		8.799				ND	
81 cis-1,3-Dichloropropene	75		9.354				ND	
83 4-Methyl-2-pentanone (MIBK)	43		9.524				ND	
$ 84 Toluene-d8 (Surr)	98	9.664	9.665	-0.001	94	2348568	10.1	
85 Toluene	92	9.744	9.738	0.006	95	7192	0.0416	
86 trans-1,3-Dichloropropene	75		10.000				ND	
106 1,1,2-Trichloroethane	97		10.201				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166		10.292				ND	
109 2-Hexanone	43		10.414				ND	7
111 Chlorodibromomethane	129		10.579				ND	
112 Ethylene Dibromide	107		10.695				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.128	11.122	0.006	85	1903637	10.0	
115 Chlorobenzene	112		11.152				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.231				ND	
118 Ethylbenzene	91		11.237				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.353				ND	7
120 o-Xylene	106		11.676				ND	7
121 Styrene	104		11.695				ND	7
122 Bromoform	173		11.853				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.121	12.121	0.000	91	866364	9.16	
127 1,1,2,2-Tetrachloroethane	83		12.219				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	94	1065118	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

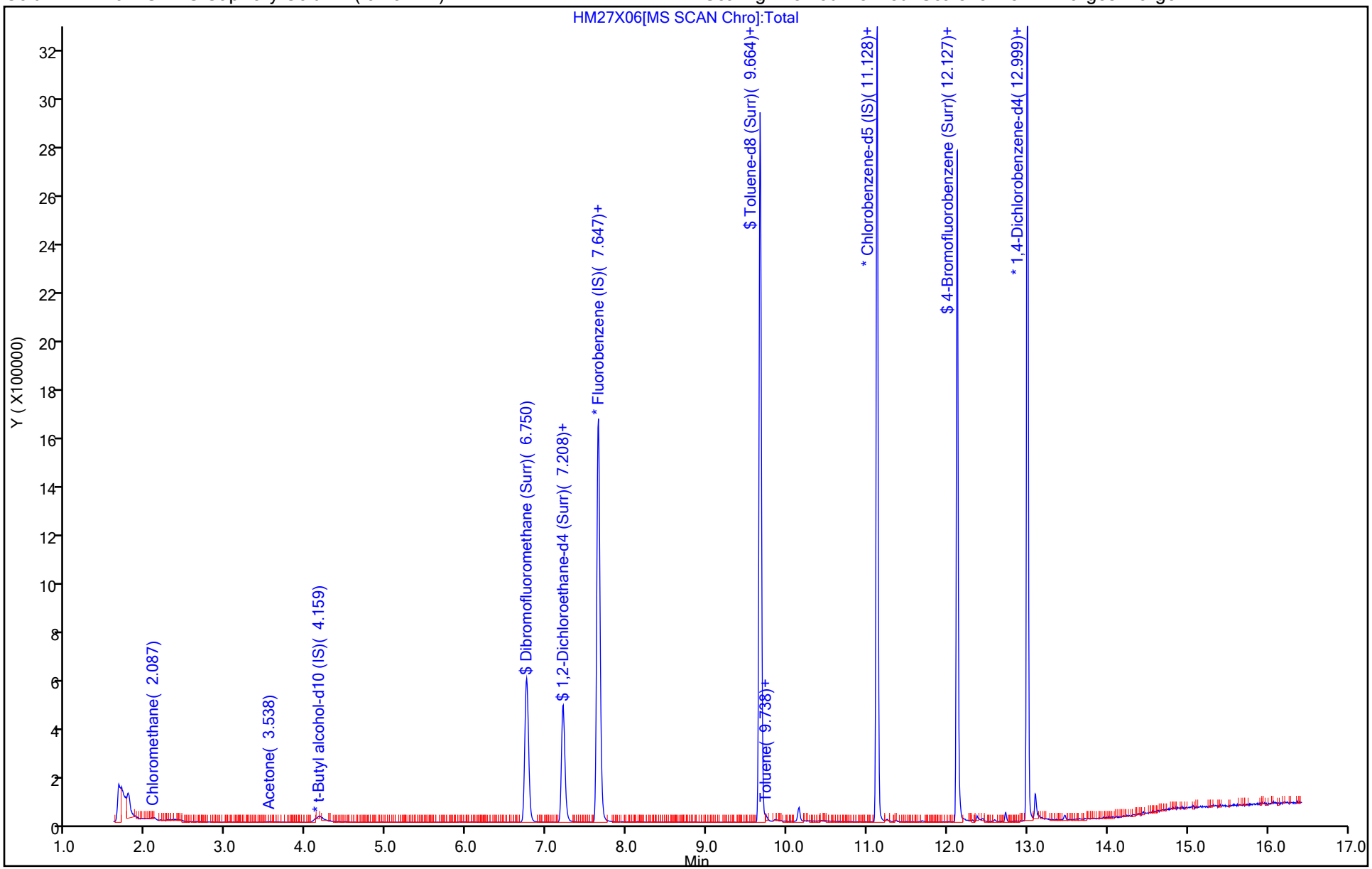
MSV_HP25_ISSS_00066 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 28-Mar-2023 11:14:45 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X06.D				
Injection Date:	27-Mar-2023 20:47:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-119839-A-14	Lab Sample ID:	410-119839-14	Worklist Smp#:	7
Client ID:	GD-QC1-0/1-2				
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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X06.D				
Lims ID:	410-119839-A-14				
Client ID:	GD-QC1-0/1-2				
Sample Type:	Client				
Inject. Date:	27-Mar-2023 20:47:30	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-007				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	27-Mar-2023 21:55:37	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1628				

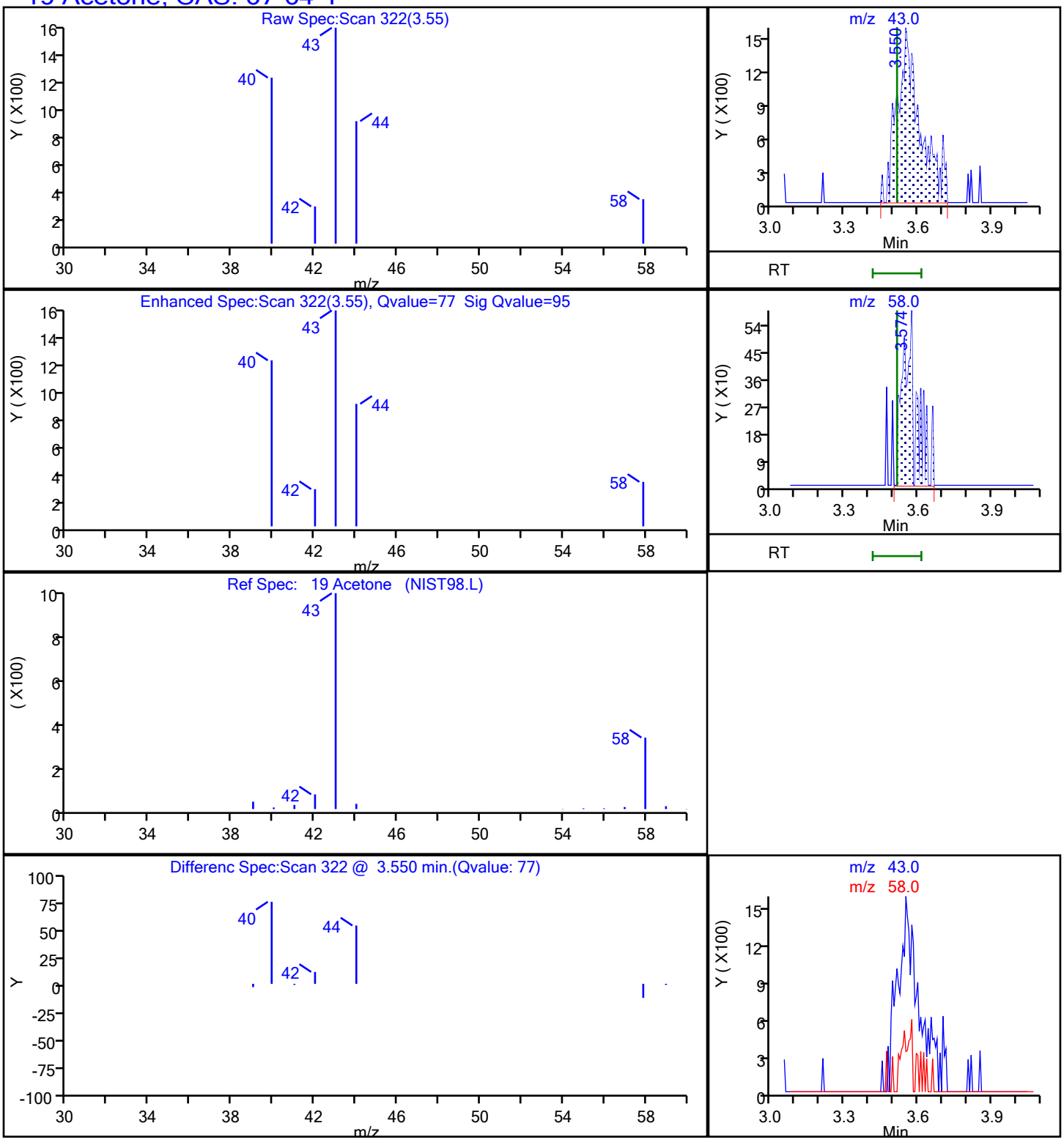
First Level Reviewer: innoonk Date: 28-Mar-2023 11:14:44

Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.3	103.40
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	104.10
$ 84 Toluene-d8 (Surr)	10.0	10.1	100.85
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.16	91.64

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X06.D				
Injection Date:	27-Mar-2023 20:47:30	Instrument ID:	19094		
Lims ID:	410-119839-A-14	Lab Sample ID:	410-119839-14		
Client ID:	GD-QC1-0/1-2				
Operator ID:	gaw91131	ALS Bottle#:	7	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 (0.25 mm)	Detector	MS Quad		

19 Acetone, CAS: 67-64-1



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-274149/18	Copy_HL11X18.D
Level 2	IC 410-274149/17	HL11X17.D
Level 3	IC 410-274149/16	HL11X16.D
Level 4	IC 410-274149/15	HL11X15.D
Level 5	IC 410-274149/14	HL11X14.D
Level 6	ICIS 410-274149/13	HL11X13.D
Level 7	IC 410-274149/12	HL11X12.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	0.2899 0.3243	0.2898 0.3074	0.2915	0.3276	0.3136	Ave		0.3063			0.1000	5.3		20.0			
Chloromethane	0.3803 0.3959	0.3521 0.3831	0.3530	0.4218	0.4001	Ave		0.3838			0.1000	6.6		20.0			
1,3-Butadiene	0.4055 0.3689	0.3193 0.3570	0.3445	0.3879	0.3541	Ave		0.3624				7.8		20.0			
Vinyl chloride	0.3544 0.4008	0.3380 0.3897	0.3606	0.4217	0.3964	Ave		0.3802			0.1000	7.8		20.0			
Bromomethane	0.2768 0.2762	0.2519 0.2644	0.2409	0.2851	0.2731	Ave		0.2669			0.1000	5.9		20.0			
Chloroethane	0.2241 0.2379	0.2198 0.2307	0.2148	0.2503	0.2371	Ave		0.2307			0.1000	5.3		20.0			
Dichlorofluoromethane	0.5070 0.5354	0.4704 0.5193	0.4649	0.5570	0.5251	Ave		0.5113			0.1000	6.6		20.0			
Trichlorofluoromethane	0.4267 0.4948	0.4087 0.4749	0.4290	0.5040	0.4836	Ave		0.4602			0.1000	8.2		20.0			
Ethyl ether	0.1851 0.2049	0.1696 0.1924	0.1805	0.2134	0.2012	Ave		0.1924				7.9		20.0			
Freon 123a	0.3385 0.3748	0.3443 0.3600	0.3305	0.3902	0.3710	Ave		0.3585				6.0		20.0			
Acrolein	2.1925 2.9237	3.0932 2.9018	2.8924	2.7403	2.4897	Ave		2.7476				11.2		20.0			
1,1-Dichloroethene	0.2329 0.2740	0.2636 0.2583	0.2505	0.2750	0.2660	Ave		0.2601			0.1000	5.7		20.0			
Acetone	3.8921 2.9605	3.8819 2.7109	3.2721	2.8654	2.8088	Ave		3.1988			0.1000	15.7		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.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

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	0.2250 0.2706	0.2422 0.2558	0.2525	0.2621	0.2670	Ave		0.2536			0.1000	6.2		20.0			
Methyl iodide	0.4263 0.4671	0.4537 0.4452	0.4414	0.4691	0.4628	Ave		0.4522				3.4		20.0			
Carbon disulfide	0.6592 0.7282	0.6881 0.6934	0.6636	0.7292	0.7115	Ave		0.6962			0.1000	4.1		20.0			
Methyl acetate	8.7050 9.1432	8.0756 9.3005	8.7296	8.2006	7.0968	Ave		8.4645			0.1000	8.9		20.0			
Allyl chloride	0.4589 0.4587	0.4514 0.4442	0.4246	0.4652	0.4563	Ave		0.4513				3.0		20.0			
Methylene Chloride	0.2481 0.2794	0.2749 0.2683	0.2572	0.2797	0.2780	Ave		0.2694			0.1000	4.6		20.0			
t-Butyl alcohol	1.0096 1.0682	1.1595 0.8930	1.1662	1.1599	1.1163	Ave		1.0818				9.4		20.0			
Acrylonitrile	2.5952 4.8609	4.7395 4.9642	4.4206	4.5792	4.0677	Ave		4.3182				18.9		20.0			
Methyl tert-butyl ether	0.5266 0.6097	0.5807 0.5882	0.5531	0.6069	0.6043	Ave		0.5814			0.1000	5.4		20.0			
trans-1,2-Dichloroethene	0.2623 0.3005	0.2878 0.2946	0.2788	0.3030	0.2953	Ave		0.2889			0.1000	4.9		20.0			
n-Hexane	0.3849 0.4227	0.3999 0.4054	0.3819	0.4182	0.4164	Ave		0.4042				4.0		20.0			
1,1-Dichloroethane	0.4886 0.5634	0.5501 0.5553	0.5126	0.5538	0.5563	Ave		0.5400			0.2000	5.2		20.0			
di-Isopropyl ether	0.8535 0.9560	0.9006 0.9387	0.8798	0.9481	0.9560	Ave		0.9190				4.5		20.0			
2-Chloro-1,3-butadiene	0.4022 0.4636	0.4317 0.4607	0.4113	0.4594	0.4584	Ave		0.4410				5.9		20.0			
Ethyl t-butyl ether	0.7690 0.8422	0.8029 0.8224	0.7792	0.8446	0.8304	Ave		0.8130				3.7		20.0			
2-Butanone (MEK)	4.5344 6.0368	5.6651 6.1255	5.8778	5.4913	5.2204	Ave		5.5645			0.1000	9.9		20.0			
cis-1,2-Dichloroethene	0.3052 0.3291	0.3106 0.3220	0.3019	0.3266	0.3258	Ave		0.3173			0.1000	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.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

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								
2,2-Dichloropropane	0.4080 0.4688	0.4528 0.4668	0.4314	0.4725	0.4666	Ave		0.4524				5.3		20.0			
Propionitrile	1.0525 1.6328	1.3219 1.5249	1.4750	1.5063	1.4751	Ave		1.4269				13.2		20.0			
Methacrylonitrile	4.5018 6.5489	7.1162 6.8274	6.5565	6.0351	5.5456	Ave		6.1616				14.5		20.0			
Bromochloromethane	0.1301 0.1308	0.1200 0.1275	0.1187	0.1299	0.1305	Ave		0.1268				4.1		20.0			
Tetrahydrofuran	1.2863 1.6785	1.6222 1.7068	1.7892	1.5815	1.4719	Ave		1.5909				10.5		20.0			
Chloroform	0.4541 0.5291	0.5277 0.5209	0.4810	0.5263	0.5271	Ave		0.5095			0.2000	5.8		20.0			
1,1,1-Trichloroethane	0.4522 0.4958	0.4661 0.4815	0.4504	0.4871	0.4862	Ave		0.4742			0.1000	3.8		20.0			
Cyclohexane	0.5094 0.5608	0.5380 0.5462	0.5117	0.5568	0.5426	Ave		0.5379			0.1000	3.8		20.0			
1,1-Dichloropropene	0.4167 0.4429	0.4207 0.4385	0.4059	0.4401	0.4359	Ave		0.4287				3.3		20.0			
Carbon tetrachloride	0.3749 0.4331	0.3920 0.4280	0.3926	0.4228	0.4271	Ave		0.4101			0.1000	5.6		20.0			
Isobutyl alcohol	0.3269 0.3867	0.3610 0.3137	0.3554	0.3695	0.3565	Ave		0.3528				7.1		20.0			
Benzene	1.1897 1.2999	1.2346 1.2702	1.1980	1.2787	1.2755	Ave		1.2495			0.5000	3.4		20.0			
1,2-Dichloroethane	0.2669 0.2773	0.2742 0.2690	0.2543	0.2762	0.2772	Ave		0.2708			0.1000	3.1		20.0			
t-Amyl methyl ether	0.6173 0.7276	0.6973 0.7095	0.6683	0.7088	0.7201	Ave		0.6927				5.5		20.0			
n-Heptane	0.4682 0.4523	0.4498 0.4336	0.4226	0.4328	0.4374	Ave		0.4424				3.5		20.0			
n-Butanol	0.2883 0.3287	0.2355 0.2501	0.3090	0.3539	0.3464	Ave		0.3017				15.3		20.0			
Trichloroethene	0.3182 0.3421	0.3246 0.3379	0.3124	0.3332	0.3357	Ave		0.3292			0.2000	3.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

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								
Methylcyclohexane	0.5298 0.5805	0.5438 0.5550	0.5350	0.5691	0.5738	Ave		0.5553			0.1000	3.6		20.0			
1,2-Dichloropropane	0.2859 0.3269	0.3148 0.3229	0.2995	0.3227	0.3229	Ave		0.3137			0.1000	4.9		20.0			
Methyl methacrylate	7.9673 13.751	13.725 14.205	13.051	12.020	11.199	Ave		12.274				17.7		20.0			
1,4-Dioxane	+++++ 0.0586	0.0835 +++++	0.0840	0.0865	0.0793	Ave		0.0784			0.0050	14.5		20.0			
Dibromomethane	0.1301 0.1344	0.1301 0.1318	0.1240	0.1298	0.1340	Ave		0.1306				2.7		20.0			
Bromodichloromethane	0.3400 0.3712	0.3425 0.3650	0.3280	0.3610	0.3632	Ave		0.3530			0.2000	4.5		20.0			
2-Nitropropane	2.4865 3.3083	3.3456 3.3399	3.1361	2.9608	2.7261	Ave		3.0433				11.0		20.0			
cis-1,3-Dichloropropene	0.3880 0.4741	0.4274 0.4691	0.4088	0.4607	0.4718	Ave		0.4429			0.2000	7.8		20.0			
4-Methyl-2-pentanone (MIBK)	11.162 15.918	17.688 16.156	16.577	14.434	13.643	Ave		15.082			0.1000	14.5		20.0			
Toluene	0.8901 0.9385	0.9089 0.9125	0.8572	0.9277	0.9282	Ave		0.9090			0.4000	3.1		20.0			
trans-1,3-Dichloropropene	0.3614 0.4103	0.3692 0.4040	0.3649	0.3966	0.4037	Ave		0.3871			0.1000	5.4		20.0			
Ethyl methacrylate	0.2654 0.3179	0.2797 0.3081	0.2847	0.3037	0.3174	Ave		0.2967				6.8		20.0			
1,1,2-Trichloroethane	0.2326 0.2169	0.2081 0.2116	0.2023	0.2148	0.2209	Ave		0.2153			0.1000	4.5		20.0			
Tetrachloroethene	0.3952 0.4333	0.4290 0.4232	0.4029	0.4275	0.4264	Ave		0.4197			0.2000	3.5		20.0			
1,3-Dichloropropane	0.3559 0.3853	0.3661 0.3746	0.3576	0.3741	0.3845	Ave		0.3711				3.2		20.0			
2-Hexanone	6.9530 10.879	11.395 11.116	10.721	9.7750	9.2405	Ave		10.011			0.1000	15.5		20.0			
Dibromochloromethane	0.2584 0.2823	0.2522 0.2783	0.2474	0.2686	0.2783	Ave		0.2665				5.2		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.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dibromoethane (EDB)	0.1601 0.2117	0.2006 0.2052	0.1867	0.2071	0.2093	Ave		0.1972			0.1000	9.3		20.0			
1-Chlorohexane	0.6023 0.5639	0.5613 0.5424	0.5361	0.5700	0.5563	Ave		0.5617				3.8		20.0			
Chlorobenzene	0.9385 0.9973	0.9603 0.9758	0.9243	0.9876	0.9954	Ave		0.9684			0.5000	2.9		20.0			
1,1,1,2-Tetrachloroethane	0.3211 0.3472	0.3234 0.3401	0.3097	0.3357	0.3483	Ave		0.3322				4.4		20.0			
Ethylbenzene	1.7083 1.8388	1.7359 1.7937	1.6923	1.8276	1.8295	Ave		1.7752			0.1000	3.5		20.0			
m&p-Xylene	0.6472 0.7031	0.6800 0.6834	0.6340	0.6912	0.6984	Ave		0.6768			0.1000	3.9		20.0			
o-Xylene	0.6202 0.6776	0.6474 0.6663	0.6238	0.6758	0.6684	Ave		0.6542			0.3000	3.7		20.0			
Styrene	0.9408 1.1299	1.0366 1.1046	1.0051	1.0969	1.1155	Ave		1.0613			0.3000	6.6		20.0			
Bromoform	0.1367 0.1677	0.1415 0.1668	0.1411	0.1578	0.1633	Ave		0.1536			0.1000	8.7		20.0			
Isopropylbenzene	1.6512 1.8462	1.7520 1.8070	1.6637	1.8290	1.8339	Ave		1.7690			0.1000	4.6		20.0			
1,1,2,2-Tetrachloroethane	0.4176 0.4696	0.4600 0.4516	0.4398	0.4858	0.4790	Ave		0.4576			0.3000	5.2		20.0			
Bromobenzene	0.6575 0.7070	0.6763 0.6801	0.6672	0.6993	0.7077	Ave		0.6850				2.9		20.0			
trans-1,4-Dichloro-2-butene	3.7180 5.7724	5.6507 6.0271	5.4339	5.0155	4.8649	Ave		5.2118				14.9		20.0			
1,2,3-Trichloropropane	0.1026 0.1162	0.1237 0.1124	0.1067	0.1237	0.1190	Ave		0.1149				7.1		20.0			
N-Propylbenzene	3.5065 3.9790	3.8348 3.8071	3.6449	3.9948	3.9727	Ave		3.8200				4.9		20.0			
2-Chlorotoluene	0.6876 0.7601	0.7303 0.7386	0.7115	0.7522	0.7654	Ave		0.7351				3.8		20.0			
1,3,5-Trimethylbenzene	2.4679 2.7533	2.6657 2.6501	2.5649	2.7895	2.7584	Ave		2.6643				4.4		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.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

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								
4-Chlorotoluene	0.6611 0.7662	0.7575 0.7464	0.7041	0.7583	0.7730	Ave		0.7381				5.5		20.0			
tert-Butylbenzene	0.5358 0.6306	0.5945 0.5803	0.5855	0.6004	0.5969	Ave		0.5892				4.8		20.0			
Pentachloroethane	0.3720 0.4466	0.3700 0.4318	0.3906	0.4463	0.4393	Ave		0.4138				8.4		20.0			
1,2,4-Trimethylbenzene	2.5049 2.7823	2.7162 2.7057	2.5558	2.7691	2.7848	Ave		2.6884				4.2		20.0			
sec-Butylbenzene	3.3622 3.5869	3.4962 3.4314	3.3383	3.6286	3.5806	Ave		3.4892				3.3		20.0			
1,3-Dichlorobenzene	1.3649 1.4559	1.4354 1.4133	1.3234	1.4769	1.4596	Ave		1.4185			0.6000	3.9		20.0			
p-Isopropyltoluene	2.8662 3.0741	3.0004 2.9480	2.8503	3.1152	3.0827	Ave		2.9910				3.6		20.0			
1,4-Dichlorobenzene	1.3842 1.4450	1.4191 1.3948	1.3216	1.4520	1.4378	Ave		1.4078			0.5000	3.2		20.0			
1,2,3-Trimethylbenzene	1.1564 1.1744	1.1515 1.1295	1.0721	1.1696	1.1691	Ave		1.1461				3.1		20.0			
Benzyl chloride	0.1688 0.2024	0.1696 0.1972	0.1763	0.1917	0.1966	Ave		0.1861				7.6		20.0			
n-Butylbenzene	1.4789 1.5654	1.4558 1.5059	1.4358	1.5738	1.5521	Ave		1.5097				3.7		20.0			
1,2-Dichlorobenzene	1.2365 1.2987	1.2434 1.2492	1.1807	1.2880	1.3003	Ave		1.2567			0.4000	3.4		20.0			
1,2-Dibromo-3-Chloropropane	0.0414 0.0672	0.0536 0.0637	0.0554	0.0719	0.0696	Ave		0.0604			0.0500	18.0		20.0			
1,3,5-Trichlorobenzene	1.0362 1.1307	1.1093 1.0819	1.0701	1.1682	1.1264	Ave		1.1033				4.0		20.0			
1,2,4-Trichlorobenzene	0.8703 0.9596	0.9079 0.9056	0.8932	1.0010	0.9655	Ave		0.9290			0.2000	5.0		20.0			
Hexachlorobutadiene	0.5602 0.4200	0.4949 0.3905	0.4298	0.4426	0.4204	Ave		0.4512				12.8		20.0			
Naphthalene	1.4351 1.5595	1.4872 1.4130	1.4298	1.6005	1.5752	Ave		1.5000				5.2		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.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.7394 0.8082	0.8042 0.7280	0.7753	0.8483	0.8176	Ave		0.7887				5.5		20.0			
Dibromofluoromethane (Surr)	0.2516 0.2536	0.2535 0.2519	0.2512	0.2563	0.2536	Ave		0.2531				0.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0468 0.0461	0.0463 0.0460	0.0450	0.0464	0.0467	Ave		0.0462				1.3		20.0			
Toluene-d8 (Surr)	1.2501 1.2244	1.2259 1.2138	1.2140	1.2235	1.2119	Ave		1.2234				1.1		20.0			
4-Bromofluorobenzene (Surr)	0.4975 0.5017	0.4934 0.4963	0.4930	0.4941	0.5005	Ave		0.4966				0.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-274149/18	Copy_HL11X18.D
Level 2	IC 410-274149/17	HL11X17.D
Level 3	IC 410-274149/16	HL11X16.D
Level 4	IC 410-274149/15	HL11X15.D
Level 5	IC 410-274149/14	HL11X14.D
Level 6	ICIS 410-274149/13	HL11X13.D
Level 7	IC 410-274149/12	HL11X12.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	12093 675132	29441 1638876	59403	133086	330210	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	15861 824161	35764 2042758	71922	171365	421301	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	16912 767941	32434 1903361	70198	157585	372846	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	14783 834299	34329 2077605	73466	171314	417386	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	11545 574869	25582 1409920	49078	115842	287601	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	9347 495285	22322 1230005	43768	101707	249635	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	21148 1114554	47783 2768929	94716	226294	552979	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	17796 1030019	41511 2531940	87411	204745	509232	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	7722 426652	17231 1025975	36780	86711	211984	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Freon 123a	FB	Ave	14120 780220	34976 1919633	67338	158543	390670	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd 10	Ave	56027 2963738	126498 7020232	251826	590053	1505959	10.0 500	25.0 1250	50.0	100	250
1,1-Dichloroethene	FB	Ave	9714 570272	26778 1377428	51047	111716	280143	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd 10	Ave	19892	31750	56977	123401	339789	2.00	5.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

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
			600215	1311669				100	250			
Freon 113	FB	Ave	9385 563286	24601 1363934	51449	106489	281165	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl iodide	FB	Ave	17782 972304	46089 2373600	89934	190590	487298	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon disulfide	FB	Ave	27494 1515951	69895 3696914	135219	296255	749209	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd 10	Ave	4449 185370	6605 450003	15201	35316	85854	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	19139 954854	45854 2368143	86514	188981	480474	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	10350 581663	27920 1430268	52410	113641	292795	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd 10	Ave	10320 433119	18967 864137	40615	99901	270086	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd 10	Ave	3316 246376	9691 600481	19244	49301	123022	0.500 25.0	1.25 62.5	2.50	5.00	12.5
Methyl tert-butyl ether	FB	Ave	21966 1269252	58986 3136251	112695	246579	636323	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,2-Dichloroethene	FB	Ave	10942 625545	29230 1570843	56807	123103	310962	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	16053 879832	40616 2161687	77822	169913	438476	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	20381 1172891	55872 2960872	104448	225005	585799	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	35599 1989982	91474 5004930	179260	385192	1006753	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	16777 965073	43848 2456305	83795	186653	482679	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	32074 1753246	81551 4384857	158776	343121	874477	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone (MEK)	TBAd 10	Ave	23175	46335	102351	236486	631533	2.00	5.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

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
			1223902	2963836				100	250			
cis-1,2-Dichloroethene	FB	Ave	12731 685145	31554 1716580	61506	132683	343086	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	17016 975977	45990 2488997	87898	191971	491314	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Propionitrile	TBAd 10	Ave	10758 662067	21624 1475682	51370	129739	356903	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd 10	Ave	23008 1327716	58203 3303445	114169	259901	670885	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	5425 272299	12193 679591	24178	52761	137430	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd 10	Ave	3287 170150	6634 412918	15578	34053	89030	1.00 50.0	2.50 125	5.00	10.0	25.0
Chloroform	FB	Ave	18941 1101450	53597 2777171	98008	213834	555095	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	18862 1032101	47344 2567338	91770	197900	511965	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	21247 1167343	54650 2912163	104255	226192	571420	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	17380 922066	42736 2338039	82705	178784	459004	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	15638 901500	39816 2281907	79987	171753	449741	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	TBAd 10	Ave	8353 391967	14765 759018	30946	79569	215626	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	49624 2705977	125402 6772180	244107	519476	1343156	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	11134 577317	27855 1434259	51817	112224	291944	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	25747 1514685	70827 3782869	136162	287948	758276	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	19527	45690	86111	175823	460581	0.200	0.500	1.00	2.00	5.00

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

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
			941472	2311911				10.0	25.0			
n-Butanol	TBAd 10	Ave	12895 583025	16852 1058699	47075	133360	366680	17.5 875	43.8 2188	87.5	175	438
Trichloroethene	FB	Ave	13274 712234	32976 1801642	63655	135366	353455	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	22098 1208386	55236 2958874	109016	231199	604203	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	11924 680594	31975 1721801	61027	131100	340026	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl methacrylate	TBAd 10	Ave	4072 278786	11226 687315	22726	51766	135474	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dioxane	TBAd 10	Ave	+++++ 59377	3415 +++++	7312	18622	47977	+++++ 500	25.0 +++++	50.0	100	250
Dibromomethane	FB	Ave	5425 279827	13211 702912	25263	52719	141139	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromodichloromethane	FB	Ave	14182 772695	34786 1945893	66840	146679	382494	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBAd 10	Ave	6354 335366	13682 808003	27305	63753	164896	1.00 50.0	2.50 125	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	16185 987001	43415 2501036	83305	187149	496791	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone (MIBK)	TBAd 10	Ave	57049 3227118	144667 7816948	288664	621615	1650404	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd 5	Ave	32116 1751935	81056 4396923	154507	336595	872692	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd 5	Ave	13040 765868	32928 1946661	65774	143896	379506	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd 5	Ave	9577	24949	51321	110202	298452	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

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
			593374	1484677				10.0	25.0			
1,1,2-Trichloroethane	CBZd 5	Ave	8392 404842	18556 1019488	36462	77953	207686	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrachloroethene	CBZd 5	Ave	14261 808937	38259 2039197	72632	155095	400926	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichloropropane	CBZd 5	Ave	12843 719249	32646 1804958	64455	135730	361499	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Hexanone	TBAd 10	Ave	35536 2205566	93203 5378469	186685	420963	1117872	2.00 100	5.00 250	10.0	20.0	50.0
Dibromochloromethane	CBZd 5	Ave	9323 526982	22493 1341031	44590	97440	261621	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromoethane (EDB)	CBZd 5	Ave	5776 395194	17888 988803	33650	75141	196751	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1-Chlorohexane	CBZd 5	Ave	21731 1052702	50063 2613557	96628	206815	522985	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chlorobenzene	CBZd 5	Ave	33865 1861729	85642 4701939	166598	358343	935813	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd 5	Ave	11585 648069	28846 1638763	55816	121792	327478	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd 5	Ave	61642 3432722	154814 8643404	305034	663103	1720096	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd 5	Ave	46705 2625259	121299 6586157	228568	501557	1313262	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd 5	Ave	22378	57735	112434	245217	628447	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

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
			1264897	3210811				10.0	25.0			
Styrene	CBZd 5	Ave	33946	92450	181168	398001	1048801	0.200	0.500	1.00	2.00	5.00
			2109282	5322551				10.0	25.0			
Bromoform	CBZd 5	Ave	4931	12623	25426	57271	153558	0.200	0.500	1.00	2.00	5.00
			313065	803826				10.0	25.0			
Isopropylbenzene	CBZd 5	Ave	59579	156254	299877	663631	1724175	0.200	0.500	1.00	2.00	5.00
			3446508	8707027				10.0	25.0			
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	8357	22404	43665	96897	250852	0.200	0.500	1.00	2.00	5.00
			493678	1230941				10.0	25.0			
Bromobenzene	DCBd 4	Ave	13159	32939	66242	139476	370570	0.200	0.500	1.00	2.00	5.00
			743305	1853897				10.0	25.0			
trans-1,4-Dichloro-2-butene	TBAd 10	Ave	19002	46217	94622	215992	588527	2.00	5.00	10.0	20.0	50.0
			1170298	2916204				100	250			
1,2,3-Trichloropropane	DCBd 4	Ave	2053	6024	10598	24664	62318	0.200	0.500	1.00	2.00	5.00
			122178	306446				10.0	25.0			
N-Propylbenzene	DCBd 4	Ave	70175	186777	361905	796754	2080340	0.200	0.500	1.00	2.00	5.00
			4183114	10377351				10.0	25.0			
2-Chlorotoluene	DCBd 4	Ave	13760	35571	70640	150036	400793	0.200	0.500	1.00	2.00	5.00
			799066	2013379				10.0	25.0			
1,3,5-Trimethylbenzene	DCBd 4	Ave	49390	129835	254672	556367	1444446	0.200	0.500	1.00	2.00	5.00
			2894539	7223552				10.0	25.0			
4-Chlorotoluene	DCBd 4	Ave	13230	36896	69914	151238	404813	0.200	0.500	1.00	2.00	5.00
			805513	2034542				10.0	25.0			
tert-Butylbenzene	DCBd 4	Ave	10722	28957	58136	119759	312596	0.200	0.500	1.00	2.00	5.00

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

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
			662962	1581905				10.0	25.0			
Pentachloroethane	DCBd 4	Ave	7445 469487	18023 1176887	38784	89007	230027	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd 4	Ave	50131 2924954	132294 7375096	253767	552306	1458270	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd 4	Ave	67287 3770835	170282 9353447	331458	723734	1875046	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichlorobenzene	DCBd 4	Ave	27316 1530550	69911 3852445	131401	294576	764311	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd 4	Ave	57362 3231751	146134 8035560	283008	621334	1614275	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd 4	Ave	27701 1519120	69120 3801859	131226	289594	752898	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd 4	Ave	23143 1234652	56083 3078858	106449	233280	612197	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd 4	Ave	3379 212767	8260 537399	17500	38227	102930	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd 4	Ave	29597 1645635	70907 4104893	142558	313888	812754	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd 4	Ave	24746 1365343	60558 3405147	117234	256900	680916	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	829 70677	2609 173574	5499	14346	36445	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd 4	Ave	20738	54031	106250	233002	589869	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

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
			1188689	2949107				10.0	25.0			
1,2,4-Trichlorobenzene	DCBd 4	Ave	17418	44220	88686	199643	505612	0.200	0.500	1.00	2.00	5.00
			1008763	2468365				10.0	25.0			
Hexachlorobutadiene	DCBd 4	Ave	11211	24106	42671	88268	220140	0.200	0.500	1.00	2.00	5.00
			441537	1064480				10.0	25.0			
Naphthalene	DCBd 4	Ave	28721	72436	141968	319229	824852	0.200	0.500	1.00	2.00	5.00
			1639471	3851468				10.0	25.0			
1,2,3-Trichlorobenzene	DCBd 4	Ave	14798	39169	76975	169189	428129	0.200	0.500	1.00	2.00	5.00
			849598	1984437				10.0	25.0			
Dibromofluoromethane (Surr)	FB	Ave	524666	515062	511791	520651	534194	10.0	10.0	10.0	10.0	10.0
			527861	537264				10.0	10.0			
1,2-Dichloroethane-d4 (Surr)	FB	Ave	97667	94092	91709	94159	98328	10.0	10.0	10.0	10.0	10.0
			95893	98178				10.0	10.0			
Toluene-d8 (Surr)	CBZd 5	Ave	2255316	2186651	2188271	2219533	2278814	10.0	10.0	10.0	10.0	10.0
			2285826	2339533				10.0	10.0			
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	897535	880073	888594	896459	941117	10.0	10.0	10.0	10.0	10.0
			936498	956657				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 Envirc Job No.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-274149/18	Copy_HL11X18.D
Level 2	IC 410-274149/17	HL11X17.D
Level 3	IC 410-274149/16	HL11X16.D
Level 4	IC 410-274149/15	HL11X15.D
Level 5	IC 410-274149/14	HL11X14.D
Level 6	ICIS 410-274149/13	HL11X13.D
Level 7	IC 410-274149/12	HL11X12.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	-5.3 0.3	-5.4	-4.8	6.9	2.4	5.9	50 30	30	30	30	30	30
Chloromethane	-0.9 -0.2	-8.2	-8.0	9.9	4.3	3.2	50 30	30	30	30	30	30
1,3-Butadiene	11.9 -1.5	-11.9	-4.9	7.0	-2.3	1.8	50 30	30	30	30	30	30
Vinyl chloride	-6.8 2.5	-11.1	-5.2	10.9	4.2	5.4	50 30	30	30	30	30	30
Bromomethane	3.7 -0.9	-5.6	-9.8	6.8	2.3	3.5	50 30	30	30	30	30	30
Chloroethane	-2.9 0.0	-4.7	-6.9	8.5	2.8	3.1	50 30	30	30	30	30	30
Dichlorofluoromethane	-0.8 1.6	-8.0	-9.1	8.9	2.7	4.7	50 30	30	30	30	30	30
Trichlorofluoromethane	-7.3 3.2	-11.2	-6.8	9.5	5.1	7.5	50 30	30	30	30	30	30
Ethyl ether	-3.8 0.0	-11.9	-6.2	10.9	4.6	6.5	50 30	30	30	30	30	30
Freon 123a	-5.6 0.4	-3.9	-7.8	8.9	3.5	4.6	50 30	30	30	30	30	30
Acrolein	-20.2 5.6	12.6	5.3	-0.3	-9.4	6.4	50 30	30	30	30	30	30
1,1-Dichloroethene	-10.4 -0.7	1.4	-3.7	5.7	2.3	5.3	50 30	30	30	30	30	30
Acetone	21.7 -15.3	21.4	2.3	-10.4	-12.2	-7.4	50 30	30	30	30	30	30
Freon 113	-11.3 0.9	-4.5	-0.4	3.4	5.3	6.7	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methyl iodide	-5.7 -1.6	0.3	-2.4	3.7	2.3	3.3	50 30	30	30	30	30	30
Carbon disulfide	-5.3 -0.4	-1.2	-4.7	4.7	2.2	4.6	50 30	30	30	30	30	30
Methyl acetate	2.8 9.9	-4.6	3.1	-3.1	-16.2	8.0	50 30	30	30	30	30	30
Allyl chloride	1.7 -1.6	0.0	-5.9	3.1	1.1	1.6	50 30	30	30	30	30	30
Methylene Chloride	-7.9 -0.4	2.0	-4.5	3.8	3.2	3.7	50 30	30	30	30	30	30
t-Butyl alcohol	-6.7 -17.5	7.2	7.8	7.2	3.2	-1.3	50 30	30	30	30	30	30
Acrylonitrile	-39.9 15.0	9.8	2.4	6.0	-5.8	12.6	50 30	30	30	30	30	30
Methyl tert-butyl ether	-9.4 1.2	-0.1	-4.9	4.4	3.9	4.9	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-9.2 2.0	-0.4	-3.5	4.9	2.2	4.0	50 30	30	30	30	30	30
n-Hexane	-4.8 0.3	-1.1	-5.5	3.5	3.0	4.6	50 30	30	30	30	30	30
1,1-Dichloroethane	-9.5 2.8	1.9	-5.1	2.6	3.0	4.3	50 30	30	30	30	30	30
di-Isopropyl ether	-7.1 2.1	-2.0	-4.3	3.2	4.0	4.0	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-8.8 4.5	-2.1	-6.8	4.2	3.9	5.1	50 30	30	30	30	30	30
Ethyl t-butyl ether	-5.4 1.2	-1.2	-4.1	3.9	2.1	3.6	50 30	30	30	30	30	30
2-Butanone (MEK)	-18.5 10.1	1.8	5.6	-1.3	-6.2	8.5	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-3.8 1.5	-2.1	-4.9	2.9	2.7	3.7	50 30	30	30	30	30	30
2,2-Dichloropropane	-9.8 3.2	0.1	-4.6	4.4	3.1	3.6	50 30	30	30	30	30	30
Propionitrile	-26.2 6.9	-7.4	3.4	5.6	3.4	14.4	50 30	30	30	30	30	30
Methacrylonitrile	-26.9 10.8	15.5	6.4	-2.1	-10.0	6.3	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

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
Bromochloromethane	2.6 0.5	-5.3	-6.4	2.4	2.9	3.2	50 30	30	30	30	30	30
Tetrahydrofuran	-19.1 7.3	2.0	12.5	-0.6	-7.5	5.5	50 30	30	30	30	30	30
Chloroform	-10.9 2.2	3.6	-5.6	3.3	3.5	3.9	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-4.6 1.5	-1.7	-5.0	2.7	2.5	4.6	50 30	30	30	30	30	30
Cyclohexane	-5.3 1.5	0.0	-4.9	3.5	0.9	4.2	50 30	30	30	30	30	30
1,1-Dichloropropene	-2.8 2.3	-1.9	-5.3	2.7	1.7	3.3	50 30	30	30	30	30	30
Carbon tetrachloride	-8.6 4.4	-4.4	-4.3	3.1	4.2	5.6	50 30	30	30	30	30	30
Isobutyl alcohol	-7.4 -11.1	2.3	0.7	4.7	1.0	9.6	50 30	30	30	30	30	30
Benzene	-4.8 1.7	-1.2	-4.1	2.3	2.1	4.0	50 30	30	30	30	30	30
1,2-Dichloroethane	-1.4 -0.6	1.3	-6.1	2.0	2.4	2.4	50 30	30	30	30	30	30
t-Amyl methyl ether	-10.9 2.4	0.7	-3.5	2.3	4.0	5.0	50 30	30	30	30	30	30
n-Heptane	5.8 -2.0	1.7	-4.5	-2.2	-1.1	2.2	50 30	30	30	30	30	30
n-Butanol	-4.4 -17.1	-21.9	2.4	17.3	14.8	8.9	50 30	30	30	30	30	30
Trichloroethene	-3.3 2.7	-1.4	-5.1	1.2	2.0	3.9	50 30	30	30	30	30	30
Methylcyclohexane	-4.6 -0.1	-2.1	-3.6	2.5	3.3	4.5	50 30	30	30	30	30	30
1,2-Dichloropropane	-8.9 3.0	0.4	-4.5	2.9	2.9	4.2	50 30	30	30	30	30	30
Methyl methacrylate	-35.1 15.7	11.8	6.3	-2.1	-8.8	12.0	50 30	30	30	30	30	30
1,4-Dioxane	+++++ +++++	6.6	7.2	10.3	1.2	-25.3		50	30	30	30	30
Dibromomethane	-0.4 0.9	-0.4	-5.1	-0.6	2.6	2.9	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

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
Bromodichloromethane	-3.7 3.4	-3.0	-7.1	2.3	2.9	5.2	50 30	30	30	30	30	30
2-Nitropropane	-18.3 9.7	9.9	3.0	-2.7	-10.4	8.7	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-12.4 5.9	-3.5	-7.7	4.0	6.5	7.1	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	-26.0 7.1	17.3	9.9	-4.3	-9.5	5.5	50 30	30	30	30	30	30
Toluene	-2.1 0.4	0.0	-5.7	2.1	2.1	3.2	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-6.7 4.4	-4.6	-5.7	2.4	4.3	6.0	50 30	30	30	30	30	30
Ethyl methacrylate	-10.5 3.8	-5.7	-4.0	2.4	7.0	7.1	50 30	30	30	30	30	30
1,1,2-Trichloroethane	8.0 -1.7	-3.4	-6.0	-0.2	2.6	0.7	50 30	30	30	30	30	30
Tetrachloroethene	-5.8 0.8	2.2	-4.0	1.9	1.6	3.3	50 30	30	30	30	30	30
1,3-Dichloropropane	-4.1 0.9	-1.4	-3.7	0.8	3.6	3.8	50 30	30	30	30	30	30
2-Hexanone	-30.5 11.0	13.8	7.1	-2.4	-7.7	8.7	50 30	30	30	30	30	30
Dibromochloromethane	-3.0 4.4	-5.4	-7.2	0.8	4.4	5.9	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-18.8 4.0	1.7	-5.3	5.0	6.1	7.3	50 30	30	30	30	30	30
1-Chlorohexane	7.2 -3.4	-0.1	-4.6	1.5	-1.0	0.4	50 30	30	30	30	30	30
Chlorobenzene	-3.1 0.8	-0.8	-4.6	2.0	2.8	3.0	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-3.4 2.4	-2.6	-6.8	1.0	4.9	4.5	50 30	30	30	30	30	30
Ethylbenzene	-3.8 1.0	-2.2	-4.7	3.0	3.1	3.6	50 30	30	30	30	30	30
m&p-Xylene	-4.4 1.0	0.5	-6.3	2.1	3.2	3.9	50 30	30	30	30	30	30
o-Xylene	-5.2 1.9	-1.0	-4.7	3.3	2.2	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

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
Styrene	-11.4 4.1	-2.3	-5.3	3.4	5.1	6.5	50 30	30	30	30	30	30
Bromoform	-11.0 8.6	-7.8	-8.1	2.8	6.4	9.2	50 30	30	30	30	30	30
Isopropylbenzene	-6.7 2.1	-1.0	-6.0	3.4	3.7	4.4	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-8.8 -1.3	0.5	-3.9	6.2	4.7	2.6	50 30	30	30	30	30	30
Bromobenzene	-4.0 -0.7	-1.3	-2.6	2.1	3.3	3.2	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-28.7 15.6	8.4	4.3	-3.8	-6.7	10.8	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-10.7 -2.2	7.6	-7.1	7.6	3.6	1.1	50 30	30	30	30	30	30
N-Propylbenzene	-8.2 -0.3	0.4	-4.6	4.6	4.0	4.2	50 30	30	30	30	30	30
2-Chlorotoluene	-6.5 0.5	-0.6	-3.2	2.3	4.1	3.4	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-7.4 -0.5	0.1	-3.7	4.7	3.5	3.3	50 30	30	30	30	30	30
4-Chlorotoluene	-10.4 1.1	2.6	-4.6	2.7	4.7	3.8	50 30	30	30	30	30	30
tert-Butylbenzene	-9.1 -1.5	0.9	-0.6	1.9	1.3	7.0	50 30	30	30	30	30	30
Pentachloroethane	-10.1 4.3	-10.6	-5.6	7.8	6.2	7.9	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-6.8 0.6	1.0	-4.9	3.0	3.6	3.5	50 30	30	30	30	30	30
sec-Butylbenzene	-3.6 -1.7	0.2	-4.3	4.0	2.6	2.8	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-3.8 -0.4	1.2	-6.7	4.1	2.9	2.6	50 30	30	30	30	30	30
p-Isopropyltoluene	-4.2 -1.4	0.3	-4.7	4.2	3.1	2.8	50 30	30	30	30	30	30
1,4-Dichlorobenzene	-1.7 -0.9	0.8	-6.1	3.1	2.1	2.6	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	0.9 -1.4	0.5	-6.5	2.1	2.0	2.5	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 274149

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2022 16:51 Calibration End Date: 07/11/2022 18:52 Calibration ID: 40553

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
Benzyl chloride	-9.3 6.0	-8.9	-5.3	3.0	5.6	8.8	50 30	30	30	30	30	30
n-Butylbenzene	-2.0 -0.2	-3.6	-4.9	4.2	2.8	3.7	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-1.6 -0.6	-1.1	-6.0	2.5	3.5	3.3	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-31.4 5.4	-11.3	-8.3	19.1	15.2	11.3	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-6.1 -1.9	0.5	-3.0	5.9	2.1	2.5	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-6.3 -2.5	-2.3	-3.9	7.7	3.9	3.3	50 30	30	30	30	30	30
Hexachlorobutadiene	24.2 -13.4	9.7	-4.7	-1.9	-6.8	-6.9	50 30	30	30	30	30	30
Naphthalene	-4.3 -5.8	-0.9	-4.7	6.7	5.0	4.0	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-6.2 -7.7	2.0	-1.7	7.6	3.7	2.5	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.6 -0.5	0.2	-0.8	1.3	0.2	0.2	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	1.4 -0.3	0.3	-2.5	0.4	1.1	-0.3	50 30	30	30	30	30	30
Toluene-d8 (Surr)	2.2 -0.8	0.2	-0.8	0.0	-0.9	0.1	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	0.2 -0.1	-0.7	-0.7	-0.5	0.8	1.0	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X12.D
Lims ID: IC std7 25
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 11-Jul-2022 16:51:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0052505-012
Operator ID: kas02648 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 12-Jul-2022 11:50:21 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

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

First Level Reviewer: UKAD Date: 12-Jul-2022 09:47:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.940	1.940	0.000	99	1638876	25.0	25.1	
6 Chloromethane	50	2.129	2.129	0.000	99	2042758	25.0	25.0	
8 Butadiene	39	2.245	2.245	0.000	91	1903361	25.0	24.6	
7 Vinyl chloride	62	2.245	2.251	-0.006	98	2077605	25.0	25.6	
9 Bromomethane	94	2.568	2.562	0.006	90	1409920	25.0	24.8	
10 Chloroethane	64	2.647	2.648	-0.001	100	1230005	25.0	25.0	
11 Dichlorofluoromethane	67	2.873	2.873	0.000	97	2768929	25.0	25.4	
13 Trichlorofluoromethane	101	2.952	2.952	0.000	98	2531940	25.0	25.8	
15 Ethyl ether	59	3.178	3.154	0.024	93	1025975	25.0	25.0	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.269	3.257	0.012	94	1919633	25.0	25.1	
17 Acrolein	56	3.342	3.349	-0.007	99	7020232	1250.0	1320.1	
18 1,1-Dichloroethene	96	3.489	3.489	0.000	98	1377428	25.0	24.8	
19 Acetone	43	3.501	3.507	-0.006	100	1311669	250.0	211.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.531	3.519	0.012	93	1363934	25.0	25.2	
21 Isopropyl alcohol	45	3.623	3.660	-0.037	96	406572	500.0	NQ	M
22 Iodomethane	142	3.678	3.672	0.006	98	2373600	25.0	24.6	
23 Ethyl bromide	108	3.708	3.708	0.000	98	1255606	25.0	25.8	
24 Carbon disulfide	76	3.788	3.788	0.000	98	3696914	25.0	24.9	
26 Methyl acetate	43	3.897	3.910	-0.013	99	450003	25.0	27.5	M
27 3-Chloro-1-propene	41	3.952	3.952	0.000	94	2368143	25.0	24.6	
29 Methylene Chloride	84	4.129	4.129	0.000	92	1430268	25.0	24.9	
* 28 t-Butyl alcohol-d10 (IS)	65	4.135	4.135	0.000	0	96770	50.0	50.0	
30 2-Methyl-2-propanol	59	4.257	4.275	-0.018	99	864137	500.0	412.7	
31 Acrylonitrile	53	4.446	4.464	-0.018	99	600481	62.5	71.9	
32 Methyl tert-butyl ether	73	4.525	4.519	0.006	94	3136251	25.0	25.3	
33 trans-1,2-Dichloroethene	96	4.543	4.544	-0.001	100	1570843	25.0	25.5	
34 Hexane	57	4.964	4.970	-0.006	92	2161687	25.0	25.1	
35 1,1-Dichloroethane	63	5.202	5.202	0.000	96	2960872	25.0	25.7	
37 Isopropyl ether	45	5.257	5.263	-0.006	96	5004930	25.0	25.5	
38 2-Chloro-1,3-butadiene	53	5.306	5.306	0.000	90	2456305	25.0	26.1	
39 Tert-butyl ethyl ether	59	5.793	5.793	0.000	98	4384857	25.0	25.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.982	5.988	-0.006	100	2963836	250.0	275.2	
42 cis-1,2-Dichloroethene	96	6.031	6.031	0.000	82	1716580	25.0	25.4	
43 2,2-Dichloropropane	77	6.055	6.055	0.000	86	2488997	25.0	25.8	
45 Propionitrile	54	6.068	6.074	-0.006	98	1475682	500.0	534.3	
S 40 1,2-Dichloroethene, Total	100				0			50.9	
47 Methacrylonitrile	67	6.287	6.293	-0.006	92	3303445	250.0	277.0	
48 Chlorobromomethane	128	6.366	6.360	0.006	94	679591	25.0	25.1	
49 Tetrahydrofuran	71	6.366	6.372	-0.006	77	412918	125.0	134.1	
50 Chloroform	83	6.519	6.513	0.006	93	2777171	25.0	25.6	
$ 51 Dibromofluoromethane (Surr)	113	6.732	6.726	0.006	94	537264	10.0	9.95	
52 1,1,1-Trichloroethane	97	6.756	6.757	-0.001	98	2567338	25.0	25.4	
53 Cyclohexane	56	6.860	6.860	0.000	90	2912163	25.0	25.4	
55 1,1-Dichloropropene	75	6.958	6.958	0.000	98	2338039	25.0	25.6	
56 Carbon tetrachloride	117	6.970	6.964	0.006	97	2281907	25.0	26.1	
57 Isobutyl alcohol	41	7.092	7.098	-0.006	95	759018	1250.0	1111.5	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.183	7.189	-0.006	0	98178	10.0	9.97	
59 Benzene	78	7.220	7.220	0.000	96	6772180	25.0	25.4	
60 1,2-Dichloroethane	62	7.293	7.293	0.000	97	1434259	25.0	24.8	
62 Tert-amyl methyl ether	73	7.421	7.415	0.006	99	3782869	25.0	25.6	
* 65 Fluorobenzene (IS)	96	7.628	7.628	0.000	99	2132698	10.0	10.0	
64 n-Heptane	43	7.647	7.653	-0.007	92	2311911	25.0	24.5	
66 n-Butanol	56	7.982	7.988	-0.006	87	1058699	2187.5	1813.2	
67 Trichloroethene	95	8.116	8.116	0.000	98	1801642	25.0	25.7	
68 Methylcyclohexane	83	8.433	8.433	0.000	94	2958874	25.0	25.0	
70 1,2-Dichloropropane	63	8.451	8.451	0.000	98	1721801	25.0	25.7	
69 2-ethoxy-2-methyl butane	87	8.463	8.451	0.012	92	2422099	25.0	25.8	
71 Methyl methacrylate	69	8.530	8.537	-0.007	91	687315	25.0	28.9	
72 1,4-Dioxane	88	8.537	8.549	-0.012	29	73635	1250.0	485.5	M
73 Dibromomethane	93	8.561	8.555	0.006	96	702912	25.0	25.2	
75 Dichlorobromomethane	83	8.793	8.799	-0.006	100	1945893	25.0	25.8	
76 2-Nitropropane	41	9.061	9.067	-0.006	97	808003	125.0	137.2	
79 1-Bromo-2-chloroethane	63	9.195	9.195	0.000	98	1602309	25.0	26.1	
80 cis-1,3-Dichloropropene	75	9.347	9.354	-0.007	97	2501036	25.0	26.5	
81 4-Methyl-2-pentanone (MIBK)	43	9.518	9.518	0.000	96	7816948	250.0	267.8	
$ 82 Toluene-d8 (Surr)	98	9.664	9.665	-0.001	93	2339533	10.0	9.92	
83 Toluene	92	9.744	9.744	0.000	98	4396923	25.0	25.1	
85 trans-1,3-Dichloropropene	75	10.000	10.000	0.000	92	1946661	25.0	26.1	
S 84 1,3-Dichloropropene, Total	100				0			52.6	
86 Ethyl methacrylate	69	10.061	10.067	-0.006	89	1484677	25.0	26.0	
87 1,1,2-Trichloroethane	97	10.207	10.207	0.000	89	1019488	25.0	24.6	
88 Tetrachloroethene	166	10.298	10.299	-0.001	97	2039197	25.0	25.2	
89 1,3-Dichloropropane	76	10.372	10.372	0.000	89	1804958	25.0	25.2	
91 2-Hexanone	43	10.420	10.420	0.000	97	5378469	250.0	277.6	
93 Chlorodibromomethane	129	10.591	10.591	0.000	90	1341031	25.0	26.1	
94 Ethylene Dibromide	107	10.701	10.701	0.000	99	988803	25.0	26.0	
* 97 Chlorobenzene-d5 (IS)	117	11.134	11.134	0.000	85	1927449	10.0	10.0	
96 1-Chlorohexane	91	11.146	11.146	0.000	97	2613557	25.0	24.1	
98 Chlorobenzene	112	11.164	11.164	0.000	99	4701939	25.0	25.2	
99 1,1,1,2-Tetrachloroethane	131	11.243	11.243	0.000	97	1638763	25.0	25.6	
S 95 Xylenes, Total	106				0			76.0	
100 Ethylbenzene	91	11.249	11.250	-0.001	98	8643404	25.0	25.3	
101 m-Xylene & p-Xylene	106	11.365	11.365	0.000	0	6586157	50.0	50.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
102 o-Xylene	106	11.694	11.695	-0.001	97	3210811	25.0	25.5	
103 Styrene	104	11.713	11.713	0.000	95	5322551	25.0	26.0	
104 Bromoform	173	11.871	11.871	0.000	98	803826	25.0	27.2	
105 Isopropylbenzene	105	11.999	11.999	0.000	96	8707027	25.0	25.5	
$ 108 4-Bromofluorobenzene (Surr)	95	12.140	12.140	0.000	92	956657	10.0	10.0	
109 1,1,2,2-Tetrachloroethane	83	12.243	12.243	0.000	91	1230941	25.0	24.7	
111 Bromobenzene	156	12.261	12.262	-0.001	96	1853897	25.0	24.8	
110 trans-1,4-Dichloro-2-butene	53	12.268	12.268	0.000	90	2916204	250.0	289.1	
112 1,2,3-Trichloropropane	110	12.286	12.292	-0.006	79	306446	25.0	24.5	
113 N-Propylbenzene	91	12.329	12.329	0.000	99	10377351	25.0	24.9	
114 2-Chlorotoluene	126	12.402	12.402	0.000	97	2013379	25.0	25.1	
115 1,3,5-Trimethylbenzene	105	12.463	12.463	0.000	94	7223552	25.0	24.9	
116 4-Chlorotoluene	126	12.493	12.493	0.000	97	2034542	25.0	25.3	
118 tert-Butylbenzene	134	12.706	12.707	-0.001	93	1581905	25.0	24.6	
119 Pentachloroethane	167	12.737	12.737	0.000	95	1176887	25.0	26.1	
120 1,2,4-Trimethylbenzene	105	12.749	12.749	0.000	97	7375096	25.0	25.2	
121 sec-Butylbenzene	105	12.871	12.871	0.000	94	9353447	25.0	24.6	
122 1,3-Dichlorobenzene	146	12.969	12.969	0.000	98	3852445	25.0	24.9	
123 4-Isopropyltoluene	119	12.975	12.975	0.000	97	8035560	25.0	24.6	
* 124 1,4-Dichlorobenzene-d4	152	13.024	13.024	0.000	94	1090322	10.0	10.0	
125 1,4-Dichlorobenzene	146	13.042	13.042	0.000	94	3801859	25.0	24.8	
126 1,2,3-Trimethylbenzene	120	13.054	13.054	0.000	98	3078858	25.0	24.6	
127 Benzyl chloride	126	13.115	13.121	-0.006	98	537399	25.0	26.5	
129 p-Diethylbenzene	119	13.176	13.176	0.000	91	4705394	25.0	25.0	
130 n-Butylbenzene	92	13.267	13.267	0.000	96	4104893	25.0	24.9	
131 1,2-Dichlorobenzene	146	13.304	13.304	0.000	99	3405147	25.0	24.9	
134 1,2-Dibromo-3-Chloropropane	155	13.847	13.847	0.000	96	173574	25.0	26.4	
135 1,3,5-Trichlorobenzene	180	13.968	13.969	-0.001	98	2949107	25.0	24.5	
136 1,2,4-Trichlorobenzene	180	14.395	14.395	0.000	94	2468365	25.0	24.4	
137 Hexachlorobutadiene	225	14.474	14.475	-0.001	95	1064480	25.0	21.6	
138 Naphthalene	128	14.572	14.572	0.000	97	3851468	25.0	23.5	
139 1,2,3-Trichlorobenzene	180	14.712	14.712	0.000	96	1984437	25.0	23.1	
140 2-Methylnaphthalene	142	15.334	15.340	-0.006	93	2004576	25.0	20.4	
194 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

NQ - Not Quantifiable

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00049	Amount Added: 25.00	Units: uL	
MSV_LL_GAS826_00101	Amount Added: 25.00	Units: uL	
MSV_LL_#2_826_00053	Amount Added: 25.00	Units: uL	
MSV_LLcentISS_00005	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 12-Jul-2022 11:50:23 Chrom Revision: 2.3 08-Jul-2022 13:26:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X12.D

Injection Date: 11-Jul-2022 16:51:30 Instrument ID: 19094 Operator ID: kas02648

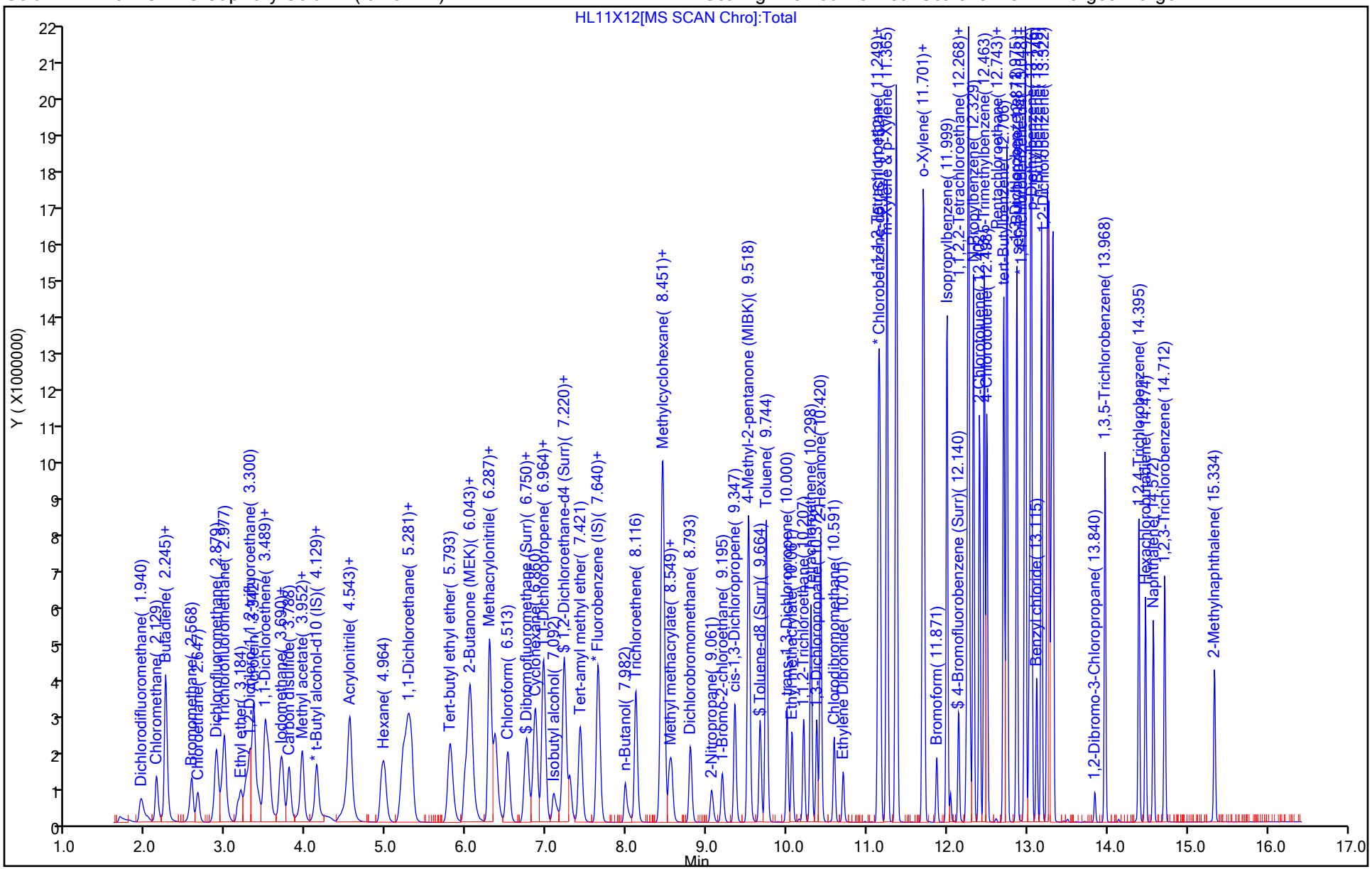
Lims ID: IC std7 25 Worklist Smp#: 12

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

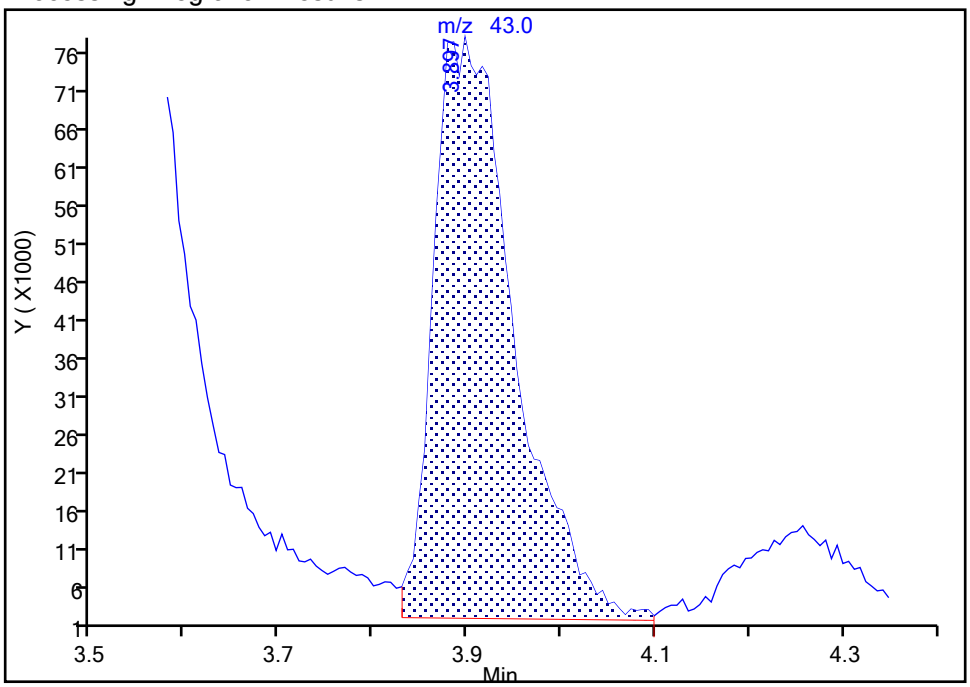
Data File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X12.D				
Injection Date:	11-Jul-2022 16:51:30	Instrument ID:	19094		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

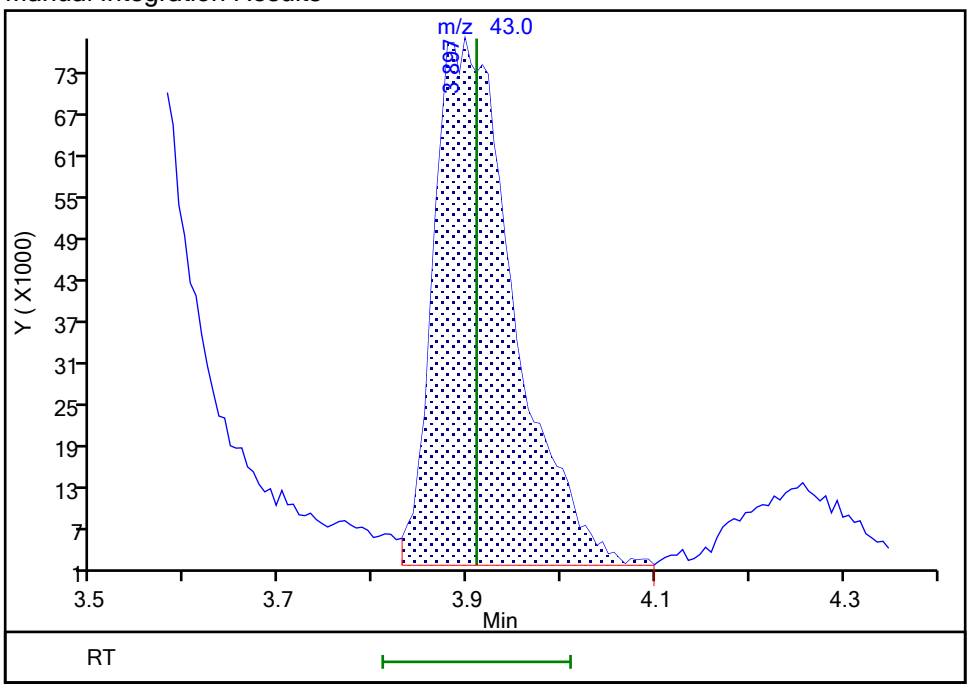
Processing Integration Results

RT: 3.90
Area: 455739
Amount: 24.981822
Amount Units: ug/l



Manual Integration Results

RT: 3.90
Area: 450003
Amount: 27.469157
Amount Units: ug/l



Reviewer: UKAD, 12-Jul-2022 09:48:02
Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

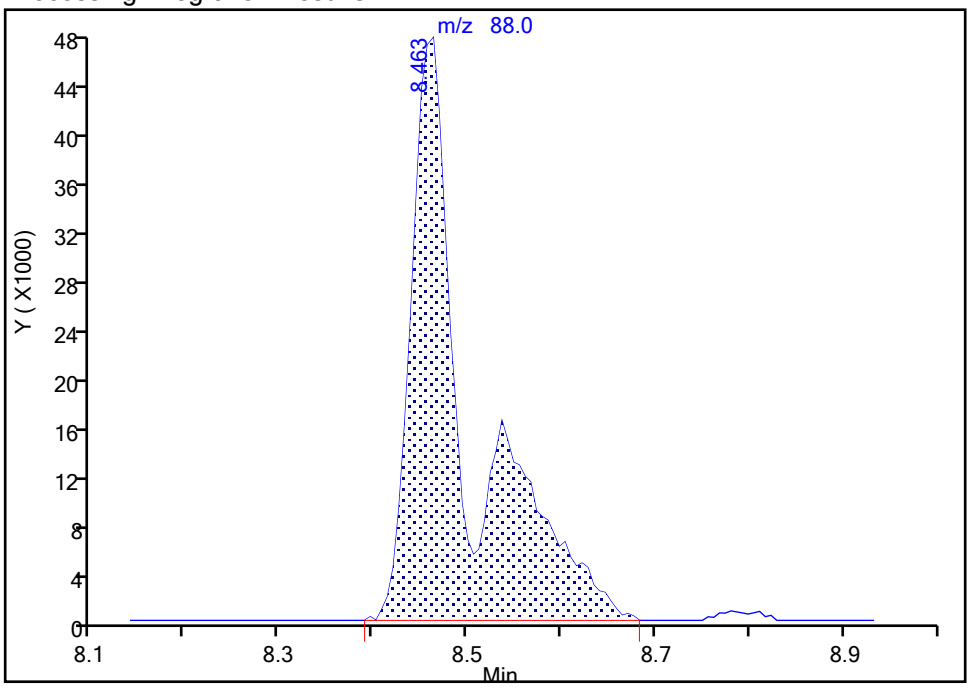
Data File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X12.D				
Injection Date:	11-Jul-2022 16:51:30	Instrument ID:	19094		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

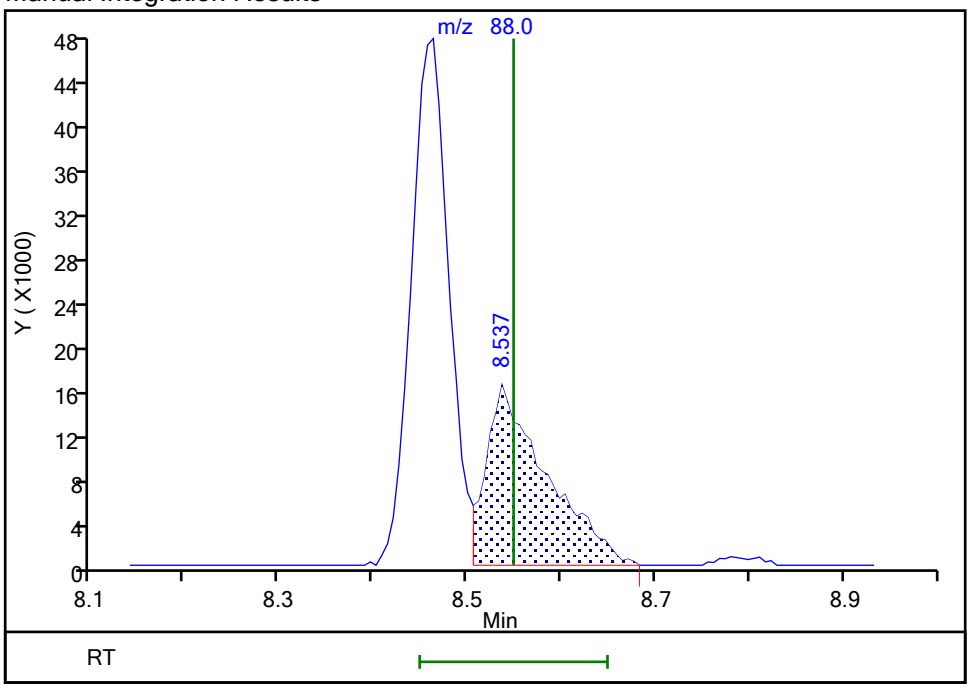
RT: 8.46
Area: 206080
Amount: 1481.3689
Amount Units: ug/l

Processing Integration Results



RT: 8.54
Area: 73635
Amount: 485.4549
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 12-Jul-2022 09:48:29
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X13.D
Lims ID: ICIS 10
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 11-Jul-2022 17:11:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0052505-013
Operator ID: kas02648 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 12-Jul-2022 11:50:31 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

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

First Level Reviewer: UKAD Date: 12-Jul-2022 09:47:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.934	1.934	0.000	99	675132	10.0	10.6	
6 Chloromethane	50	2.123	2.123	0.000	99	824161	10.0	10.3	
8 Butadiene	39	2.239	2.239	0.000	90	767941	10.0	10.2	
7 Vinyl chloride	62	2.245	2.245	0.000	97	834299	10.0	10.5	
9 Bromomethane	94	2.556	2.556	0.000	90	574869	10.0	10.3	
10 Chloroethane	64	2.641	2.641	0.000	100	495285	10.0	10.3	
11 Dichlorofluoromethane	67	2.867	2.867	0.000	97	1114554	10.0	10.5	
13 Trichlorofluoromethane	101	2.946	2.946	0.000	98	1030019	10.0	10.8	
15 Ethyl ether	59	3.172	3.172	0.000	93	426652	10.0	10.7	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.263	3.263	0.000	96	780220	10.0	10.5	
17 Acrolein	56	3.336	3.336	0.000	99	2963738	500.0	532.0	
18 1,1-Dichloroethene	96	3.483	3.483	0.000	98	570272	10.0	10.5	
19 Acetone	43	3.501	3.501	0.000	100	600215	100.0	92.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.525	3.525	0.000	92	563286	10.0	10.7	
21 Isopropyl alcohol	45	3.641	3.641	0.000	100	238428	200.0	192.7	
22 Iodomethane	142	3.672	3.672	0.000	98	972304	10.0	10.3	
23 Ethyl bromide	108	3.696	3.696	0.000	98	514602	10.0	10.8	
24 Carbon disulfide	76	3.775	3.775	0.000	98	1515951	10.0	10.5	
26 Methyl acetate	43	3.879	3.879	0.000	96	185370	10.0	10.8	M
27 3-Chloro-1-propene	41	3.940	3.940	0.000	95	954854	10.0	10.2	
29 Methylene Chloride	84	4.123	4.123	0.000	92	581663	10.0	10.4	
* 28 t-Butyl alcohol-d10 (IS)	65	4.123	4.123	0.000	0	101370	50.0	50.0	
30 2-Methyl-2-propanol	59	4.245	4.245	0.000	99	433119	200.0	197.5	
31 Acrylonitrile	53	4.434	4.434	0.000	99	246376	25.0	28.1	
32 Methyl tert-butyl ether	73	4.519	4.519	0.000	95	1269252	10.0	10.5	
33 trans-1,2-Dichloroethene	96	4.543	4.543	0.000	100	625545	10.0	10.4	
34 Hexane	57	4.958	4.958	0.000	92	879832	10.0	10.5	
35 1,1-Dichloroethane	63	5.196	5.196	0.000	95	1172891	10.0	10.4	
37 Isopropyl ether	45	5.257	5.257	0.000	96	1989982	10.0	10.4	
38 2-Chloro-1,3-butadiene	53	5.299	5.299	0.000	89	965073	10.0	10.5	
39 Tert-butyl ethyl ether	59	5.787	5.787	0.000	98	1753246	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
41 2-Butanone (MEK)	43	5.982	5.982	0.000	100	1223902	100.0	108.5	
42 cis-1,2-Dichloroethene	96	6.025	6.025	0.000	82	685145	10.0	10.4	
43 2,2-Dichloropropane	77	6.049	6.049	0.000	87	975977	10.0	10.4	
45 Propionitrile	54	6.061	6.061	0.000	99	662067	200.0	228.9	
47 Methacrylonitrile	67	6.287	6.287	0.000	91	1327716	100.0	106.3	
48 Chlorobromomethane	128	6.360	6.360	0.000	94	272299	10.0	10.3	
49 Tetrahydrofuran	71	6.366	6.366	0.000	77	170150	50.0	52.8	
50 Chloroform	83	6.513	6.513	0.000	92	1101450	10.0	10.4	
$ 51 Dibromofluoromethane (Surr)	113	6.726	6.726	0.000	94	527861	10.0	10.0	
52 1,1,1-Trichloroethane	97	6.750	6.750	0.000	98	1032101	10.0	10.5	
53 Cyclohexane	56	6.854	6.854	0.000	90	1167343	10.0	10.4	
55 1,1-Dichloropropene	75	6.958	6.958	0.000	98	922066	10.0	10.3	
56 Carbon tetrachloride	117	6.964	6.964	0.000	96	901500	10.0	10.6	
57 Isobutyl alcohol	41	7.086	7.086	0.000	95	391967	500.0	548.0	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.189	7.189	0.000	0	95893	10.0	9.97	
59 Benzene	78	7.220	7.220	0.000	96	2705977	10.0	10.4	
60 1,2-Dichloroethane	62	7.287	7.287	0.000	96	577317	10.0	10.2	
62 Tert-amyl methyl ether	73	7.415	7.415	0.000	99	1514685	10.0	10.5	
* 65 Fluorobenzene (IS)	96	7.628	7.628	0.000	99	2081655	10.0	10.0	
64 n-Heptane	43	7.647	7.647	0.000	90	941472	10.0	10.2	
66 n-Butanol	56	7.982	7.982	0.000	87	583025	875.0	953.2	
67 Trichloroethene	95	8.110	8.110	0.000	98	712234	10.0	10.4	
68 Methylcyclohexane	83	8.433	8.433	0.000	94	1208386	10.0	10.5	
70 1,2-Dichloropropane	63	8.445	8.445	0.000	97	680594	10.0	10.4	
69 2-ethoxy-2-methyl butane	87	8.457	8.457	0.000	93	967634	10.0	10.6	
71 Methyl methacrylate	69	8.530	8.530	0.000	93	278786	10.0	11.2	
72 1,4-Dioxane	88	8.537	8.537	0.000	35	59377	500.0	373.7	
73 Dibromomethane	93	8.555	8.555	0.000	97	279827	10.0	10.3	
75 Dichlorobromomethane	83	8.793	8.793	0.000	100	772695	10.0	10.5	
76 2-Nitropropane	41	9.061	9.061	0.000	98	335366	50.0	54.4	
79 1-Bromo-2-chloroethane	63	9.189	9.189	0.000	98	645473	10.0	10.8	
80 cis-1,3-Dichloropropene	75	9.347	9.347	0.000	97	987001	10.0	10.7	
81 4-Methyl-2-pentanone (MIBK)	43	9.518	9.518	0.000	96	3227118	100.0	105.5	
$ 82 Toluene-d8 (Surr)	98	9.664	9.664	0.000	93	2285826	10.0	10.0	
83 Toluene	92	9.744	9.744	0.000	98	1751935	10.0	10.3	
85 trans-1,3-Dichloropropene	75	10.000	10.000	0.000	92	765868	10.0	10.6	
86 Ethyl methacrylate	69	10.061	10.061	0.000	90	593374	10.0	10.7	
87 1,1,2-Trichloroethane	97	10.207	10.207	0.000	89	404842	10.0	10.1	
88 Tetrachloroethene	166	10.298	10.298	0.000	97	808937	10.0	10.3	
89 1,3-Dichloropropane	76	10.372	10.372	0.000	89	719249	10.0	10.4	
91 2-Hexanone	43	10.420	10.420	0.000	97	2205566	100.0	108.7	
93 Chlorodibromomethane	129	10.591	10.591	0.000	90	526982	10.0	10.6	
94 Ethylene Dibromide	107	10.701	10.701	0.000	99	395194	10.0	10.7	
* 97 Chlorobenzene-d5 (IS)	117	11.134	11.134	0.000	87	1866823	10.0	10.0	
96 1-Chlorohexane	91	11.146	11.146	0.000	97	1052702	10.0	10.0	
98 Chlorobenzene	112	11.164	11.164	0.000	95	1861729	10.0	10.3	
99 1,1,1,2-Tetrachloroethane	131	11.243	11.243	0.000	95	648069	10.0	10.5	
100 Ethylbenzene	91	11.249	11.249	0.000	98	3432722	10.0	10.4	
101 m-Xylene & p-Xylene	106	11.365	11.365	0.000	0	2625259	20.0	20.8	
102 o-Xylene	106	11.695	11.695	0.000	96	1264897	10.0	10.4	
103 Styrene	104	11.713	11.713	0.000	95	2109282	10.0	10.6	
104 Bromoform	173	11.871	11.871	0.000	98	313065	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
105 Isopropylbenzene	105	11.999	11.999	0.000	96	3446508	10.0	10.4	
$ 108 4-Bromofluorobenzene (Surr)	95	12.140	12.140	0.000	92	936498	10.0	10.1	
109 1,1,2,2-Tetrachloroethane	83	12.243	12.243	0.000	92	493678	10.0	10.3	
111 Bromobenzene	156	12.255	12.255	0.000	96	743305	10.0	10.3	
110 trans-1,4-Dichloro-2-butene	53	12.268	12.268	0.000	91	1170298	100.0	110.8	
112 1,2,3-Trichloropropane	110	12.286	12.286	0.000	80	122178	10.0	10.1	
113 N-Propylbenzene	91	12.329	12.329	0.000	99	4183114	10.0	10.4	
114 2-Chlorotoluene	126	12.402	12.402	0.000	97	799066	10.0	10.3	
115 1,3,5-Trimethylbenzene	105	12.463	12.463	0.000	94	2894539	10.0	10.3	
116 4-Chlorotoluene	126	12.493	12.493	0.000	97	805513	10.0	10.4	
118 tert-Butylbenzene	134	12.707	12.707	0.000	93	662962	10.0	10.7	
119 Pentachloroethane	167	12.737	12.737	0.000	89	469487	10.0	10.8	
120 1,2,4-Trimethylbenzene	105	12.749	12.749	0.000	97	2924954	10.0	10.3	
121 sec-Butylbenzene	105	12.871	12.871	0.000	94	3770835	10.0	10.3	
122 1,3-Dichlorobenzene	146	12.969	12.969	0.000	98	1530550	10.0	10.3	
123 4-Isopropyltoluene	119	12.975	12.975	0.000	97	3231751	10.0	10.3	
* 124 1,4-Dichlorobenzene-d4	152	13.024	13.024	0.000	94	1051287	10.0	10.0	
125 1,4-Dichlorobenzene	146	13.042	13.042	0.000	94	1519120	10.0	10.3	
126 1,2,3-Trimethylbenzene	120	13.054	13.054	0.000	98	1234652	10.0	10.2	
127 Benzyl chloride	126	13.115	13.115	0.000	98	212767	10.0	10.9	
129 p-Diethylbenzene	119	13.176	13.176	0.000	91	1885445	10.0	10.4	
130 n-Butylbenzene	92	13.267	13.267	0.000	97	1645635	10.0	10.4	
131 1,2-Dichlorobenzene	146	13.304	13.304	0.000	99	1365343	10.0	10.3	
134 1,2-Dibromo-3-Chloropropane	155	13.847	13.847	0.000	90	70677	10.0	11.1	
135 1,3,5-Trichlorobenzene	180	13.968	13.968	0.000	98	1188689	10.0	10.2	
136 1,2,4-Trichlorobenzene	180	14.395	14.395	0.000	94	1008763	10.0	10.3	
137 Hexachlorobutadiene	225	14.474	14.474	0.000	95	441537	10.0	9.31	
138 Naphthalene	128	14.572	14.572	0.000	97	1639471	10.0	10.4	
139 1,2,3-Trichlorobenzene	180	14.718	14.718	0.000	96	849598	10.0	10.2	
140 2-Methylnaphthalene	142	15.334	15.334	0.000	92	1005842	10.0	10.6	
194 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_00049	Amount Added: 10.00	Units: uL	
MSV_LL_GAS826_00101	Amount Added: 10.00	Units: uL	
MSV_LL_#2_826_00053	Amount Added: 10.00	Units: uL	
MSV_LLcentISS_00005	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 12-Jul-2022 11:50:32 Chrom Revision: 2.3 08-Jul-2022 13:26:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X13.D

Injection Date: 11-Jul-2022 17:11:30 Instrument ID: 19094 Operator ID: kas02648

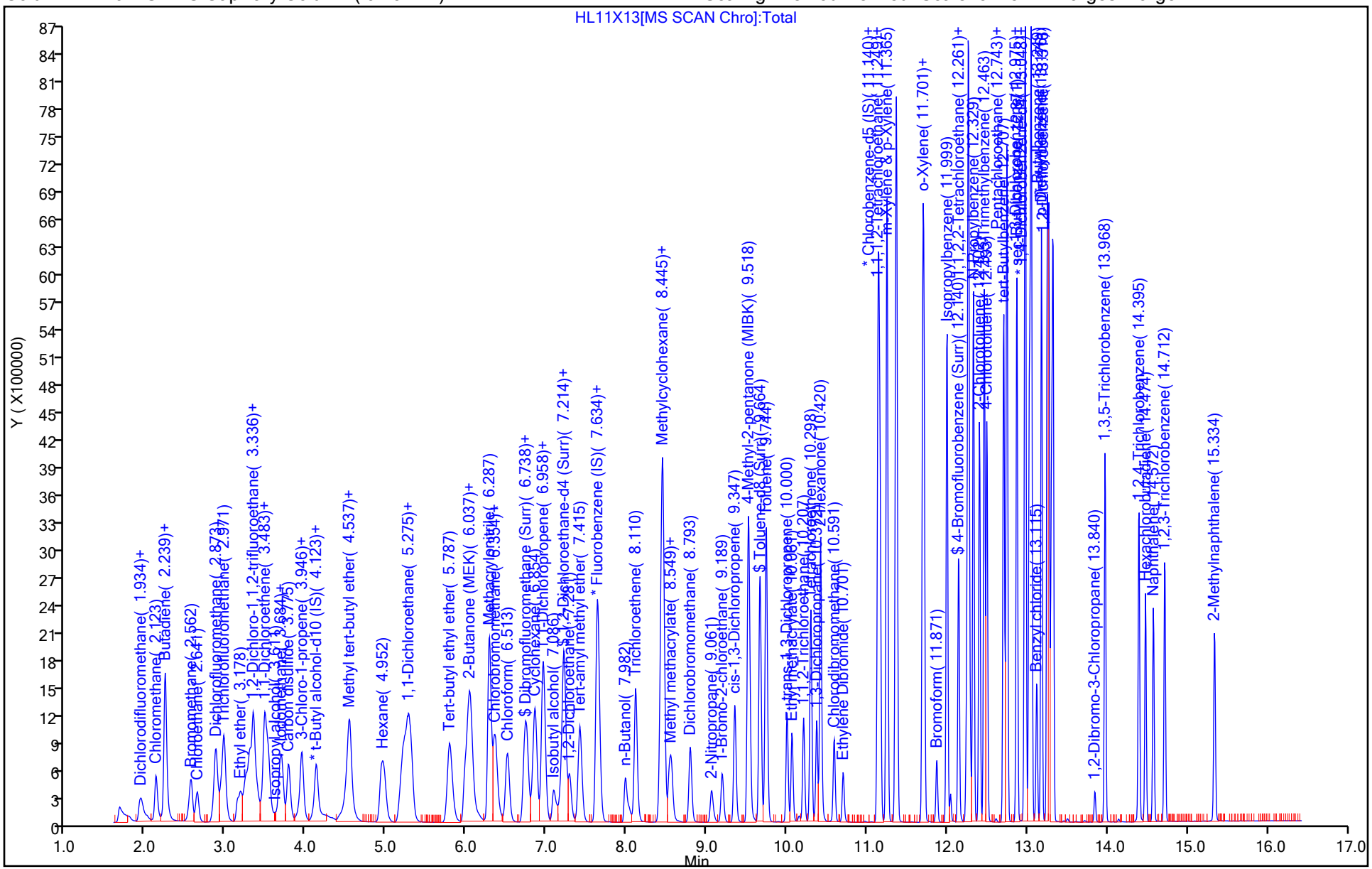
Lims ID: ICIS 10 Worklist Smp#: 13

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

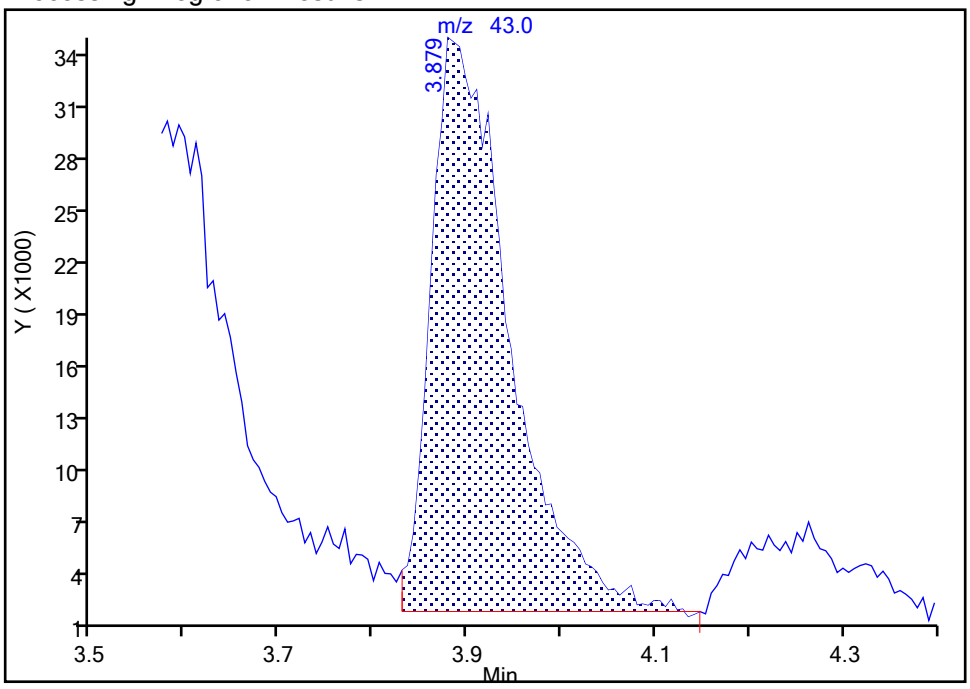
Data File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X13.D				
Injection Date:	11-Jul-2022 17:11:30	Instrument ID:	19094		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

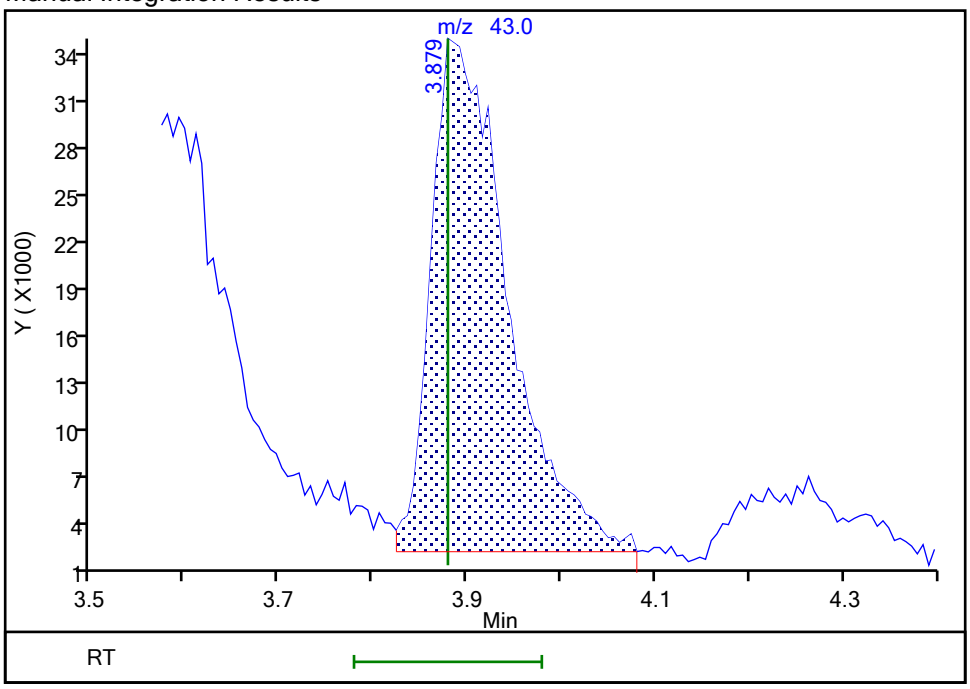
Processing Integration Results

RT: 3.88
Area: 191239
Amount: 10.070600
Amount Units: ug/l



Manual Integration Results

RT: 3.88
Area: 185370
Amount: 10.801913
Amount Units: ug/l



Reviewer: UKAD, 12-Jul-2022 09:49:27

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X14.D
Lims ID: IC std5 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 11-Jul-2022 17:31:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0052505-014
Operator ID: kas02648 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 12-Jul-2022 11:50:46 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

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

First Level Reviewer: UKAD Date: 12-Jul-2022 09:51:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.934	1.934	0.000	99	330210	5.00	5.12	
6 Chloromethane	50	2.129	2.123	0.006	99	421301	5.00	5.21	
8 Butadiene	39	2.239	2.239	0.000	92	372846	5.00	4.88	
7 Vinyl chloride	62	2.245	2.245	0.000	98	417386	5.00	5.21	
9 Bromomethane	94	2.568	2.556	0.012	91	287601	5.00	5.12	
10 Chloroethane	64	2.641	2.641	0.000	99	249635	5.00	5.14	
11 Dichlorofluoromethane	67	2.873	2.867	0.006	97	552979	5.00	5.14	
13 Trichlorofluoromethane	101	2.946	2.946	0.000	97	509232	5.00	5.25	
15 Ethyl ether	59	3.178	3.172	0.006	91	211984	5.00	5.23	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.269	3.263	0.006	93	390670	5.00	5.17	
17 Acrolein	56	3.343	3.336	0.007	99	1505959	250.0	226.5	
18 1,1-Dichloroethene	96	3.483	3.483	0.000	98	280143	5.00	5.11	
19 Acetone	43	3.507	3.501	0.006	98	339789	50.0	43.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.532	3.525	0.007	92	281165	5.00	5.26	
21 Isopropyl alcohol	45	3.660	3.641	0.019	96	148640	100.0	109.1	
22 Iodomethane	142	3.678	3.672	0.006	98	487298	5.00	5.12	
23 Ethyl bromide	108	3.702	3.696	0.006	98	254488	5.00	5.29	
24 Carbon disulfide	76	3.788	3.775	0.013	99	749209	5.00	5.11	
26 Methyl acetate	43	3.903	3.879	0.024	97	85854	5.00	4.19	
27 3-Chloro-1-propene	41	3.952	3.940	0.012	95	480474	5.00	5.05	
29 Methylene Chloride	84	4.129	4.123	0.006	93	292795	5.00	5.16	
* 28 t-Butyl alcohol-d10 (IS)	65	4.123	4.123	0.000	0	120975	50.0	50.0	
30 2-Methyl-2-propanol	59	4.257	4.245	0.012	99	270086	100.0	103.2	
31 Acrylonitrile	53	4.452	4.434	0.018	98	123022	12.5	11.8	
32 Methyl tert-butyl ether	73	4.519	4.519	0.000	94	636323	5.00	5.20	
33 trans-1,2-Dichloroethene	96	4.544	4.543	0.001	99	310962	5.00	5.11	
34 Hexane	57	4.958	4.958	0.000	92	438476	5.00	5.15	
35 1,1-Dichloroethane	63	5.196	5.196	0.000	95	585799	5.00	5.15	
37 Isopropyl ether	45	5.257	5.257	0.000	96	1006753	5.00	5.20	
38 2-Chloro-1,3-butadiene	53	5.312	5.299	0.013	91	482679	5.00	5.20	
39 Tert-butyl ethyl ether	59	5.787	5.787	0.000	98	874477	5.00	5.11	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.982	5.982	0.000	100	631533	50.0	46.9	
42 cis-1,2-Dichloroethene	96	6.025	6.025	0.000	82	343086	5.00	5.13	
43 2,2-Dichloropropane	77	6.049	6.049	0.000	87	491314	5.00	5.16	
45 Propionitrile	54	6.068	6.061	0.007	99	356903	100.0	103.4	
S 40 1,2-Dichloroethene, Total	100				0			10.2	
47 Methacrylonitrile	67	6.293	6.287	0.006	91	670885	50.0	45.0	
48 Chlorobromomethane	128	6.360	6.360	0.000	93	137430	5.00	5.15	
49 Tetrahydrofuran	71	6.366	6.366	0.000	80	89030	25.0	23.1	
50 Chloroform	83	6.513	6.513	0.000	93	555095	5.00	5.17	
$ 51 Dibromofluoromethane (Surr)	113	6.726	6.726	0.000	94	534194	10.0	10.0	
52 1,1,1-Trichloroethane	97	6.750	6.750	0.000	98	511965	5.00	5.13	
53 Cyclohexane	56	6.854	6.854	0.000	90	571420	5.00	5.04	
55 1,1-Dichloropropene	75	6.958	6.958	0.000	98	459004	5.00	5.08	
56 Carbon tetrachloride	117	6.970	6.964	0.006	85	449741	5.00	5.21	
57 Isobutyl alcohol	41	7.092	7.086	0.006	95	215626	250.0	252.6	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.189	7.189	0.000	0	98328	10.0	10.1	
59 Benzene	78	7.220	7.220	0.000	97	1343156	5.00	5.10	
60 1,2-Dichloroethane	62	7.293	7.287	0.006	97	291944	5.00	5.12	
62 Tert-amyl methyl ether	73	7.415	7.415	0.000	99	758276	5.00	5.20	
* 65 Fluorobenzene (IS)	96	7.628	7.628	0.000	98	2106074	10.0	10.0	
64 n-Heptane	43	7.647	7.647	0.000	88	460581	5.00	4.94	
66 n-Butanol	56	7.988	7.982	0.006	87	366680	437.5	502.3	
67 Trichloroethene	95	8.116	8.110	0.006	98	353455	5.00	5.10	
68 Methylcyclohexane	83	8.433	8.433	0.000	93	604203	5.00	5.17	
70 1,2-Dichloropropane	63	8.451	8.445	0.006	85	340026	5.00	5.15	
69 2-ethoxy-2-methyl butane	87	8.457	8.457	0.000	90	477549	5.00	5.16	
71 Methyl methacrylate	69	8.531	8.530	0.001	90	135474	5.00	4.56	
72 1,4-Dioxane	88	8.543	8.537	0.006	33	47977	250.0	253.0	M
73 Dibromomethane	93	8.555	8.555	0.000	96	141139	5.00	5.13	
75 Dichlorobromomethane	83	8.793	8.793	0.000	100	382494	5.00	5.14	
76 2-Nitropropane	41	9.061	9.061	0.000	98	164896	25.0	22.4	
79 1-Bromo-2-chloroethane	63	9.195	9.189	0.006	98	314354	5.00	5.18	
80 cis-1,3-Dichloropropene	75	9.348	9.347	0.001	97	496791	5.00	5.33	
81 4-Methyl-2-pentanone (MIBK)	43	9.518	9.518	0.000	96	1650404	50.0	45.2	
$ 82 Toluene-d8 (Surr)	98	9.665	9.664	0.000	93	2278814	10.0	9.91	
83 Toluene	92	9.744	9.744	0.000	98	872692	5.00	5.11	
85 trans-1,3-Dichloropropene	75	10.000	10.000	0.000	92	379506	5.00	5.21	
S 84 1,3-Dichloropropene, Total	100				0			10.5	
86 Ethyl methacrylate	69	10.061	10.061	0.000	88	298452	5.00	5.35	
87 1,1,2-Trichloroethane	97	10.207	10.207	0.000	89	207686	5.00	5.13	
88 Tetrachloroethene	166	10.299	10.298	0.001	97	400926	5.00	5.08	
89 1,3-Dichloropropane	76	10.372	10.372	0.000	88	361499	5.00	5.18	
91 2-Hexanone	43	10.420	10.420	0.000	97	1117872	50.0	46.2	
93 Chlorodibromomethane	129	10.591	10.591	0.000	90	261621	5.00	5.22	
94 Ethylene Dibromide	107	10.701	10.701	0.000	99	196751	5.00	5.31	
* 97 Chlorobenzene-d5 (IS)	117	11.134	11.134	0.000	88	1880356	10.0	10.0	
96 1-Chlorohexane	91	11.146	11.146	0.000	98	522985	5.00	4.95	
98 Chlorobenzene	112	11.164	11.164	0.000	95	935813	5.00	5.14	
99 1,1,1,2-Tetrachloroethane	131	11.243	11.243	0.000	97	327478	5.00	5.24	
S 95 Xylenes, Total	106				0			15.4	
100 Ethylbenzene	91	11.250	11.249	0.001	98	1720096	5.00	5.15	
101 m-Xylene & p-Xylene	106	11.365	11.365	0.000	0	1313262	10.0	10.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
102 o-Xylene	106	11.695	11.695	0.001	97	628447	5.00	5.11	
103 Styrene	104	11.713	11.713	0.000	95	1048801	5.00	5.26	
104 Bromoform	173	11.871	11.871	0.000	98	153558	5.00	5.32	
105 Isopropylbenzene	105	11.999	11.999	0.000	96	1724175	5.00	5.18	
$ 108 4-Bromofluorobenzene (Surr)	95	12.140	12.140	0.000	92	941117	10.0	10.1	
109 1,1,2,2-Tetrachloroethane	83	12.243	12.243	0.000	92	250852	5.00	5.23	
111 Bromobenzene	156	12.262	12.255	0.007	96	370570	5.00	5.17	
110 trans-1,4-Dichloro-2-butene	53	12.268	12.268	0.000	91	588527	50.0	46.7	
112 1,2,3-Trichloropropane	110	12.286	12.286	0.000	80	62318	5.00	5.18	
113 N-Propylbenzene	91	12.329	12.329	0.000	99	2080340	5.00	5.20	
114 2-Chlorotoluene	126	12.402	12.402	0.000	97	400793	5.00	5.21	
115 1,3,5-Trimethylbenzene	105	12.463	12.463	0.000	94	1444446	5.00	5.18	
116 4-Chlorotoluene	126	12.493	12.493	0.000	97	404813	5.00	5.24	
118 tert-Butylbenzene	134	12.707	12.707	0.001	93	312596	5.00	5.07	
119 Pentachloroethane	167	12.737	12.737	0.000	92	230027	5.00	5.31	
120 1,2,4-Trimethylbenzene	105	12.749	12.749	0.000	97	1458270	5.00	5.18	
121 sec-Butylbenzene	105	12.871	12.871	0.000	94	1875046	5.00	5.13	
122 1,3-Dichlorobenzene	146	12.969	12.969	0.000	98	764311	5.00	5.14	
123 4-Isopropyltoluene	119	12.975	12.975	0.000	97	1614275	5.00	5.15	
* 124 1,4-Dichlorobenzene-d4	152	13.024	13.024	0.000	94	1047322	10.0	10.0	
125 1,4-Dichlorobenzene	146	13.042	13.042	0.000	95	752898	5.00	5.11	
126 1,2,3-Trimethylbenzene	120	13.054	13.054	0.000	98	612197	5.00	5.10	
127 Benzyl chloride	126	13.121	13.115	0.006	98	102930	5.00	5.28	
129 p-Diethylbenzene	119	13.176	13.176	0.000	91	933626	5.00	5.16	
130 n-Butylbenzene	92	13.267	13.267	0.000	98	812754	5.00	5.14	
131 1,2-Dichlorobenzene	146	13.304	13.304	0.000	99	680916	5.00	5.17	
134 1,2-Dibromo-3-Chloropropane	155	13.847	13.847	0.000	89	36445	5.00	5.76	
135 1,3,5-Trichlorobenzene	180	13.969	13.968	0.001	98	589869	5.00	5.10	
136 1,2,4-Trichlorobenzene	180	14.395	14.395	0.000	94	505612	5.00	5.20	
137 Hexachlorobutadiene	225	14.475	14.474	0.001	95	220140	5.00	4.66	
138 Naphthalene	128	14.572	14.572	0.000	97	824852	5.00	5.25	
139 1,2,3-Trichlorobenzene	180	14.712	14.718	-0.006	96	428129	5.00	5.18	
140 2-Methylnaphthalene	142	15.340	15.334	0.006	92	500575	5.00	5.29	
194 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_00049	Amount Added:	5.00	Units: uL	
MSV_LL_GAS826_00101	Amount Added:	5.00	Units: uL	
MSV_LL_#2_826_00053	Amount Added:	5.00	Units: uL	
MSV_LLcentISS_00005	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 12-Jul-2022 11:50:47 Chrom Revision: 2.3 08-Jul-2022 13:26:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X14.D

Injection Date: 11-Jul-2022 17:31:30 Instrument ID: 19094 Operator ID: kas02648

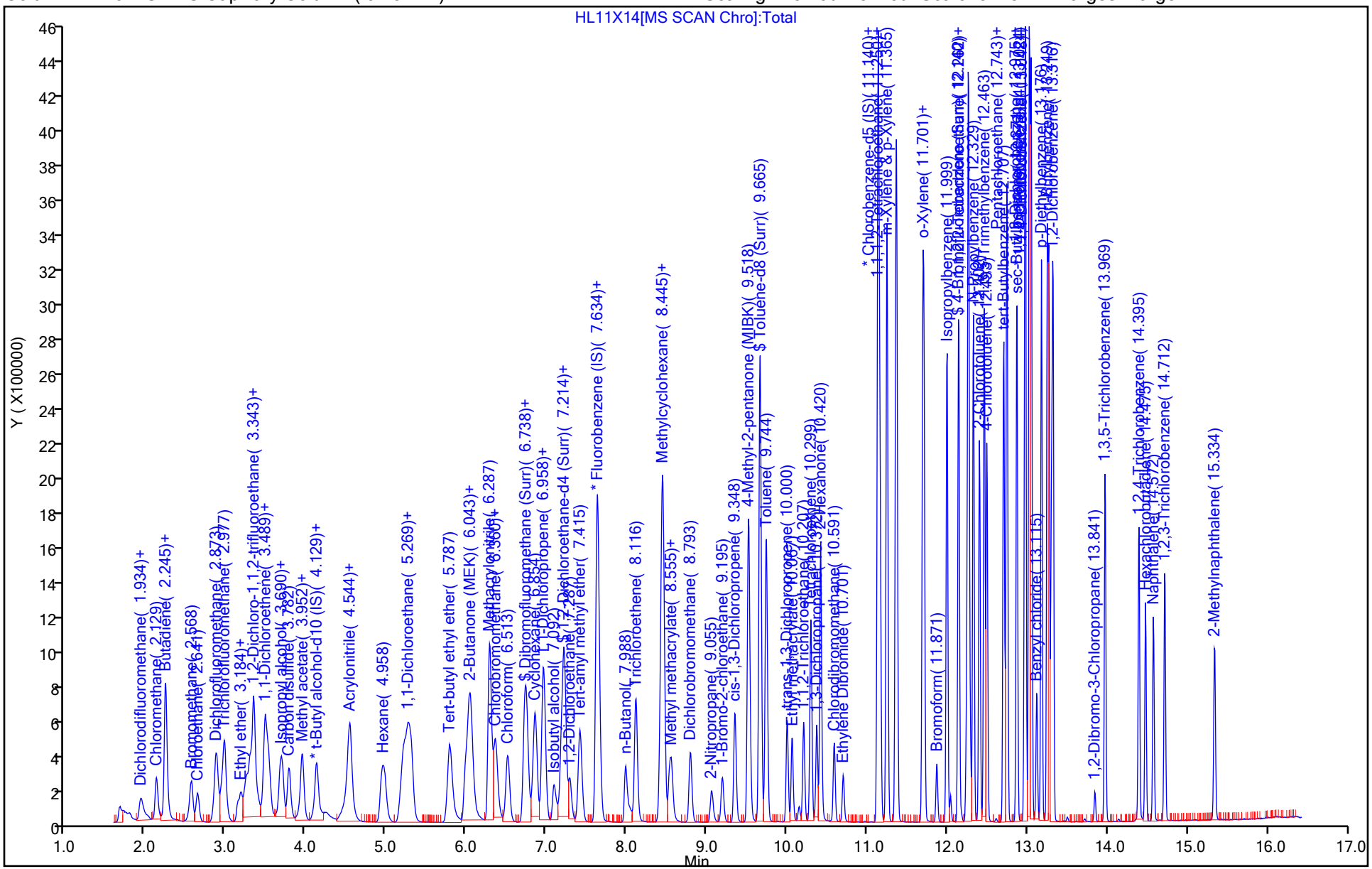
Lims ID: IC std5 5 Worklist Smp#: 14

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

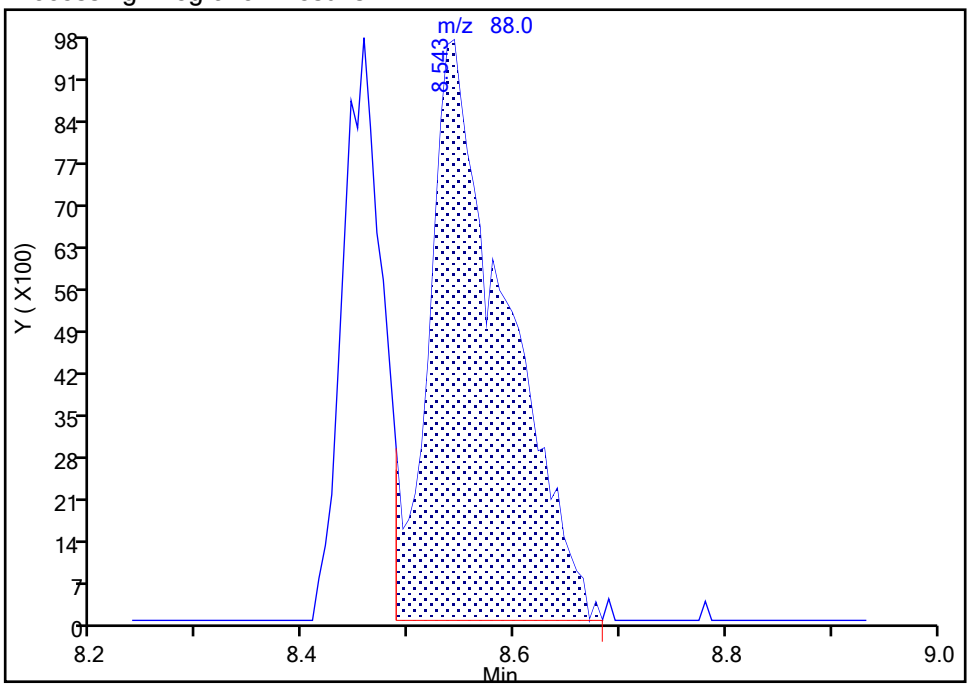
Data File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X14.D				
Injection Date:	11-Jul-2022 17:31:30	Instrument ID:	19094		
Lims ID:	IC std5 5				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

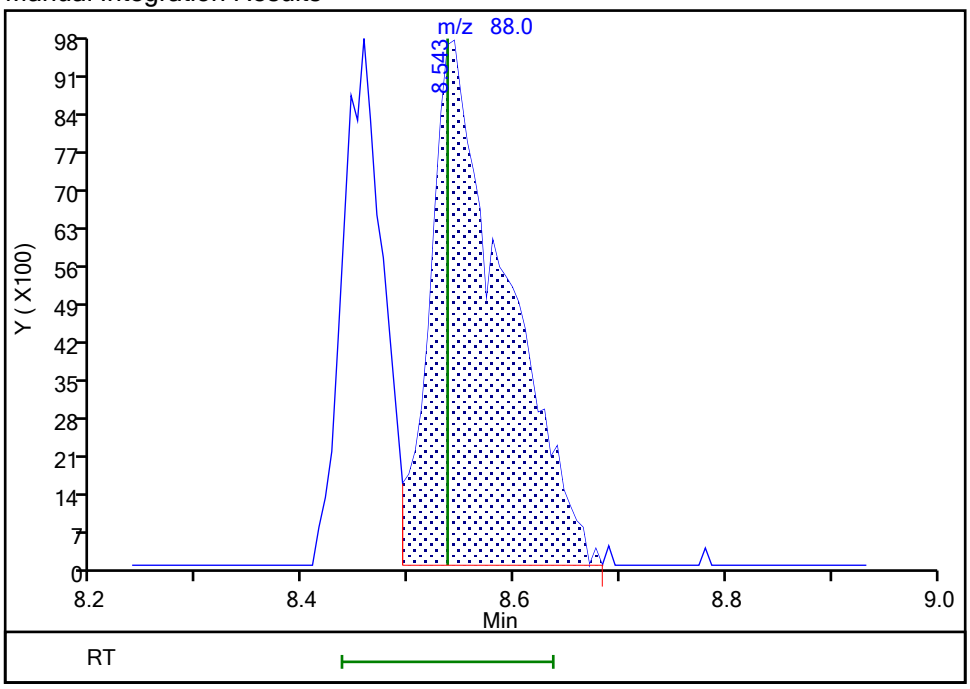
Processing Integration Results

RT: 8.54
Area: 49030
Amount: 357.4625
Amount Units: ug/l



Manual Integration Results

RT: 8.54
Area: 47977
Amount: 253.0130
Amount Units: ug/l



Reviewer: UKAD, 12-Jul-2022 09:51:05

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X15.D
Lims ID: IC std4 2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-Jul-2022 17:51:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0052505-015
Operator ID: kas02648 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 12-Jul-2022 11:50:56 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

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

First Level Reviewer: UKAD Date: 12-Jul-2022 09:26:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.940	1.940	0.000	99	133086	2.00	2.14	
6 Chloromethane	50	2.129	2.129	0.000	99	171365	2.00	2.20	
8 Butadiene	39	2.245	2.245	0.000	91	157585	2.00	2.14	
7 Vinyl chloride	62	2.251	2.251	0.000	85	171314	2.00	2.22	
9 Bromomethane	94	2.562	2.562	0.000	90	115842	2.00	2.14	
10 Chloroethane	64	2.648	2.648	0.000	100	101707	2.00	2.17	
11 Dichlorofluoromethane	67	2.873	2.873	0.000	97	226294	2.00	2.18	
13 Trichlorofluoromethane	101	2.952	2.952	0.000	96	204745	2.00	2.19	
15 Ethyl ether	59	3.154	3.154	0.000	92	86711	2.00	2.22	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.257	3.257	0.000	95	158543	2.00	2.18	
17 Acrolein	56	3.349	3.349	0.000	100	590053	100.0	99.7	
18 1,1-Dichloroethene	96	3.489	3.489	0.000	98	111716	2.00	2.11	
19 Acetone	43	3.507	3.507	0.000	63	123401	20.0	17.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.519	3.519	0.000	91	106489	2.00	2.07	
21 Isopropyl alcohol	45	3.660	3.660	0.000	95	56636	40.0	41.8	
22 Iodomethane	142	3.672	3.672	0.000	99	190590	2.00	2.07	
23 Ethyl bromide	108	3.708	3.708	0.000	98	101436	2.00	2.19	
24 Carbon disulfide	76	3.788	3.788	0.000	99	296255	2.00	2.09	
26 Methyl acetate	43	3.910	3.910	0.000	20	35316	2.00	1.94	M
27 3-Chloro-1-propene	41	3.952	3.952	0.000	94	188981	2.00	2.06	
29 Methylene Chloride	84	4.129	4.129	0.000	92	113641	2.00	2.08	
* 28 t-Butyl alcohol-d10 (IS)	65	4.123	4.123	0.000	0	107663	50.0	50.0	
30 2-Methyl-2-propanol	59	4.275	4.275	0.000	98	99901	40.0	42.9	
31 Acrylonitrile	53	4.464	4.464	0.000	96	49301	5.00	5.30	
32 Methyl tert-butyl ether	73	4.519	4.519	0.000	94	246579	2.00	2.09	
33 trans-1,2-Dichloroethene	96	4.544	4.544	0.000	99	123103	2.00	2.10	
34 Hexane	57	4.970	4.970	0.000	93	169913	2.00	2.07	
35 1,1-Dichloroethane	63	5.202	5.202	0.000	95	225005	2.00	2.05	
37 Isopropyl ether	45	5.263	5.263	0.000	96	385192	2.00	2.06	
38 2-Chloro-1,3-butadiene	53	5.306	5.306	0.000	89	186653	2.00	2.08	
39 Tert-butyl ethyl ether	59	5.793	5.793	0.000	99	343121	2.00	2.08	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.988	5.988	0.000	100	236486	20.0	19.7	
42 cis-1,2-Dichloroethene	96	6.031	6.031	0.000	82	132683	2.00	2.06	
43 2,2-Dichloropropane	77	6.055	6.055	0.000	85	191971	2.00	2.09	
45 Propionitrile	54	6.074	6.074	0.000	99	129739	40.0	42.2	
S 40 1,2-Dichloroethene, Total	100				0			4.16	
47 Methacrylonitrile	67	6.293	6.293	0.000	91	259901	20.0	19.6	
48 Chlorobromomethane	128	6.360	6.360	0.000	96	52761	2.00	2.05	
49 Tetrahydrofuran	71	6.372	6.372	0.000	79	34053	10.0	9.94	
50 Chloroform	83	6.513	6.513	0.000	93	213834	2.00	2.07	
$ 51 Dibromofluoromethane (Surr)	113	6.726	6.726	0.000	94	520651	10.0	10.1	
52 1,1,1-Trichloroethane	97	6.757	6.757	0.000	98	197900	2.00	2.05	
53 Cyclohexane	56	6.860	6.860	0.000	90	226192	2.00	2.07	
55 1,1-Dichloropropene	75	6.958	6.958	0.000	98	178784	2.00	2.05	
56 Carbon tetrachloride	117	6.964	6.964	0.000	82	171753	2.00	2.06	
57 Isobutyl alcohol	41	7.098	7.098	0.000	96	79569	100.0	104.7	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.189	7.189	0.000	0	94159	10.0	10.0	
59 Benzene	78	7.220	7.220	0.000	97	519476	2.00	2.05	
60 1,2-Dichloroethane	62	7.293	7.293	0.000	96	112224	2.00	2.04	
62 Tert-amyl methyl ether	73	7.415	7.415	0.000	98	287948	2.00	2.05	
* 65 Fluorobenzene (IS)	96	7.628	7.628	0.000	98	2031307	10.0	10.0	
64 n-Heptane	43	7.653	7.653	0.000	93	175823	2.00	1.96	
66 n-Butanol	56	7.988	7.988	0.000	86	133360	175.0	205.3	
67 Trichloroethene	95	8.116	8.116	0.000	98	135366	2.00	2.02	
68 Methylcyclohexane	83	8.433	8.433	0.000	93	231199	2.00	2.05	
70 1,2-Dichloropropane	63	8.451	8.451	0.000	85	131100	2.00	2.06	
69 2-ethoxy-2-methyl butane	87	8.451	8.451	0.000	90	182421	2.00	2.04	
71 Methyl methacrylate	69	8.537	8.537	0.000	89	51766	2.00	1.96	
72 1,4-Dioxane	88	8.549	8.549	0.000	37	18622	100.0	110.3	
73 Dibromomethane	93	8.555	8.555	0.000	94	52719	2.00	1.99	
75 Dichlorobromomethane	83	8.799	8.799	0.000	100	146679	2.00	2.05	
76 2-Nitropropane	41	9.067	9.067	0.000	99	63753	10.0	9.73	
79 1-Bromo-2-chloroethane	63	9.195	9.195	0.000	98	128748	2.00	2.20	
80 cis-1,3-Dichloropropene	75	9.354	9.354	0.000	97	187149	2.00	2.08	
81 4-Methyl-2-pentanone (MIBK)	43	9.518	9.518	0.000	96	621615	20.0	19.1	
$ 82 Toluene-d8 (Surr)	98	9.665	9.665	0.000	93	2219533	10.0	10.0	
83 Toluene	92	9.744	9.744	0.000	99	336595	2.00	2.04	
85 trans-1,3-Dichloropropene	75	10.000	10.000	0.000	92	143896	2.00	2.05	
S 84 1,3-Dichloropropene, Total	100				0			4.13	
86 Ethyl methacrylate	69	10.067	10.067	0.000	88	110202	2.00	2.05	
87 1,1,2-Trichloroethane	97	10.207	10.207	0.000	89	77953	2.00	2.00	
88 Tetrachloroethene	166	10.299	10.299	0.000	97	155095	2.00	2.04	
89 1,3-Dichloropropane	76	10.372	10.372	0.000	90	135730	2.00	2.02	
91 2-Hexanone	43	10.420	10.420	0.000	97	420963	20.0	19.5	
93 Chlorodibromomethane	129	10.591	10.591	0.000	90	97440	2.00	2.02	
94 Ethylene Dibromide	107	10.701	10.701	0.000	99	75141	2.00	2.10	
* 97 Chlorobenzene-d5 (IS)	117	11.134	11.134	0.000	85	1814146	10.0	10.0	
96 1-Chlorohexane	91	11.146	11.146	0.000	96	206815	2.00	2.03	
98 Chlorobenzene	112	11.164	11.164	0.000	96	358343	2.00	2.04	
99 1,1,1,2-Tetrachloroethane	131	11.243	11.243	0.000	97	121792	2.00	2.02	
S 95 Xylenes, Total	106				0			6.15	
100 Ethylbenzene	91	11.250	11.250	0.000	98	663103	2.00	2.06	
101 m-Xylene & p-Xylene	106	11.365	11.365	0.000	0	501557	4.00	4.09	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
102 o-Xylene	106	11.695	11.695	0.000	97	245217	2.00	2.07	
103 Styrene	104	11.713	11.713	0.000	95	398001	2.00	2.07	
104 Bromoform	173	11.871	11.871	0.000	98	57271	2.00	2.06	
105 Isopropylbenzene	105	11.999	11.999	0.000	95	663631	2.00	2.07	
$ 108 4-Bromofluorobenzene (Surr)	95	12.140	12.140	0.000	91	896459	10.0	9.95	
109 1,1,2,2-Tetrachloroethane	83	12.243	12.243	0.000	92	96897	2.00	2.12	
111 Bromobenzene	156	12.262	12.262	0.000	97	139476	2.00	2.04	
110 trans-1,4-Dichloro-2-butene	53	12.268	12.268	0.000	91	215992	20.0	19.2	
112 1,2,3-Trichloropropane	110	12.292	12.292	0.000	81	24664	2.00	2.15	
113 N-Propylbenzene	91	12.329	12.329	0.000	99	796754	2.00	2.09	
114 2-Chlorotoluene	126	12.402	12.402	0.000	97	150036	2.00	2.05	
115 1,3,5-Trimethylbenzene	105	12.463	12.463	0.000	93	556367	2.00	2.09	
116 4-Chlorotoluene	126	12.493	12.493	0.000	97	151238	2.00	2.05	
118 tert-Butylbenzene	134	12.707	12.707	0.000	92	119759	2.00	2.04	
119 Pentachloroethane	167	12.737	12.737	0.000	93	89007	2.00	2.16	
120 1,2,4-Trimethylbenzene	105	12.749	12.749	0.000	97	552306	2.00	2.06	
121 sec-Butylbenzene	105	12.871	12.871	0.000	94	723734	2.00	2.08	
122 1,3-Dichlorobenzene	146	12.969	12.969	0.000	98	294576	2.00	2.08	
123 4-Isopropyltoluene	119	12.975	12.975	0.000	97	621334	2.00	2.08	
* 124 1,4-Dichlorobenzene-d4	152	13.024	13.024	0.000	95	997250	10.0	10.0	
125 1,4-Dichlorobenzene	146	13.042	13.042	0.000	96	289594	2.00	2.06	
126 1,2,3-Trimethylbenzene	120	13.054	13.054	0.000	98	233280	2.00	2.04	
127 Benzyl chloride	126	13.121	13.121	0.000	98	38227	2.00	2.06	
129 p-Diethylbenzene	119	13.176	13.176	0.000	91	357868	2.00	2.08	
130 n-Butylbenzene	92	13.267	13.267	0.000	97	313888	2.00	2.08	
131 1,2-Dichlorobenzene	146	13.304	13.304	0.000	99	256900	2.00	2.05	
134 1,2-Dibromo-3-Chloropropane	155	13.847	13.847	0.000	89	14346	2.00	2.38	
135 1,3,5-Trichlorobenzene	180	13.969	13.969	0.000	98	233002	2.00	2.12	
136 1,2,4-Trichlorobenzene	180	14.395	14.395	0.000	93	199643	2.00	2.15	
137 Hexachlorobutadiene	225	14.475	14.475	0.000	95	88268	2.00	1.96	
138 Naphthalene	128	14.572	14.572	0.000	97	319229	2.00	2.13	
139 1,2,3-Trichlorobenzene	180	14.712	14.712	0.000	95	169189	2.00	2.15	
140 2-Methylnaphthalene	142	15.340	15.340	0.000	92	196259	2.00	2.18	
194 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_00049	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00101	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00053	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00005	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 12-Jul-2022 11:50:57 Chrom Revision: 2.3 08-Jul-2022 13:26:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X15.D

Injection Date: 11-Jul-2022 17:51:30 Instrument ID: 19094 Operator ID: kas02648

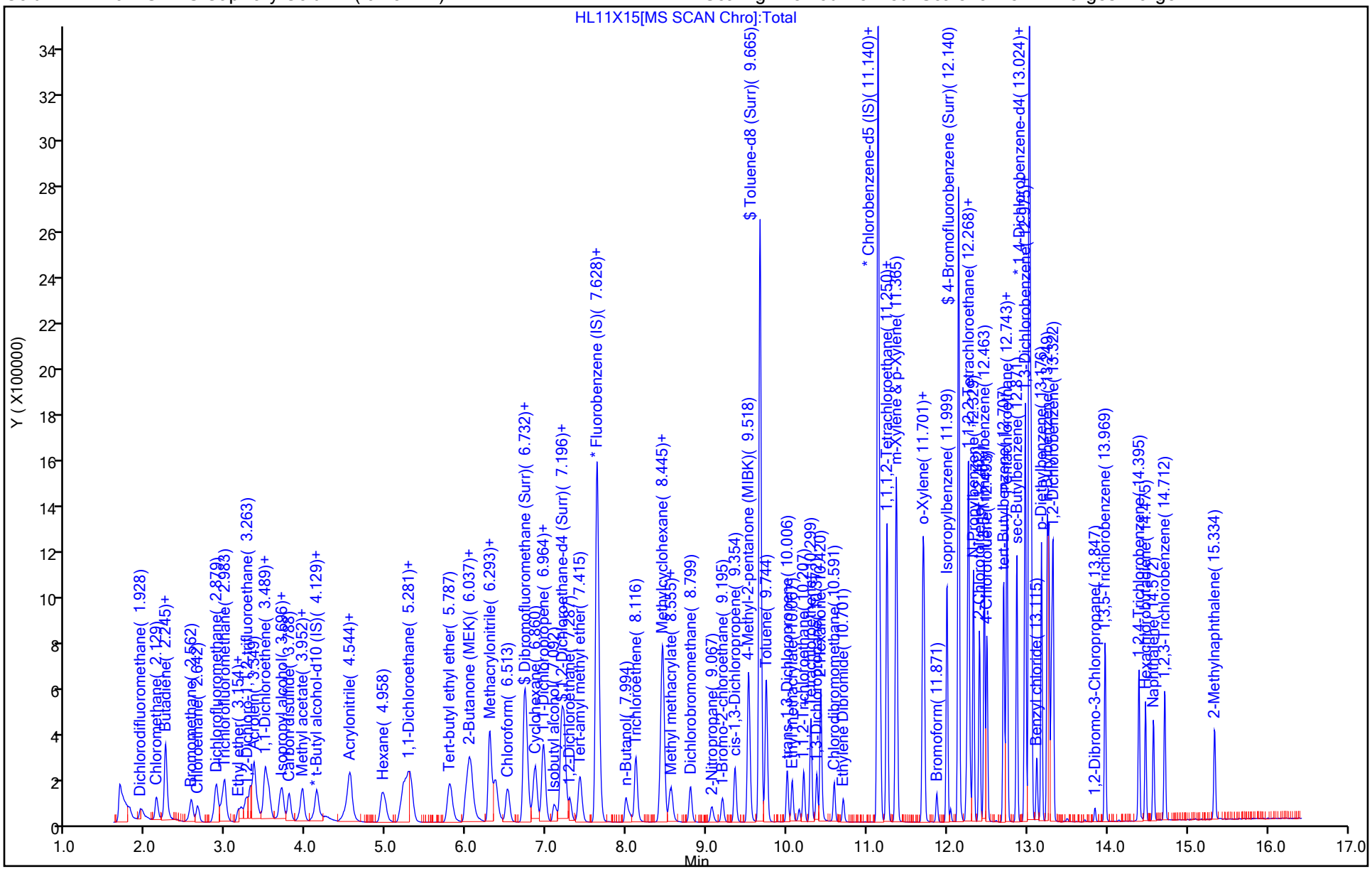
Lims ID: IC std4 2 Worklist Smp#: 15

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

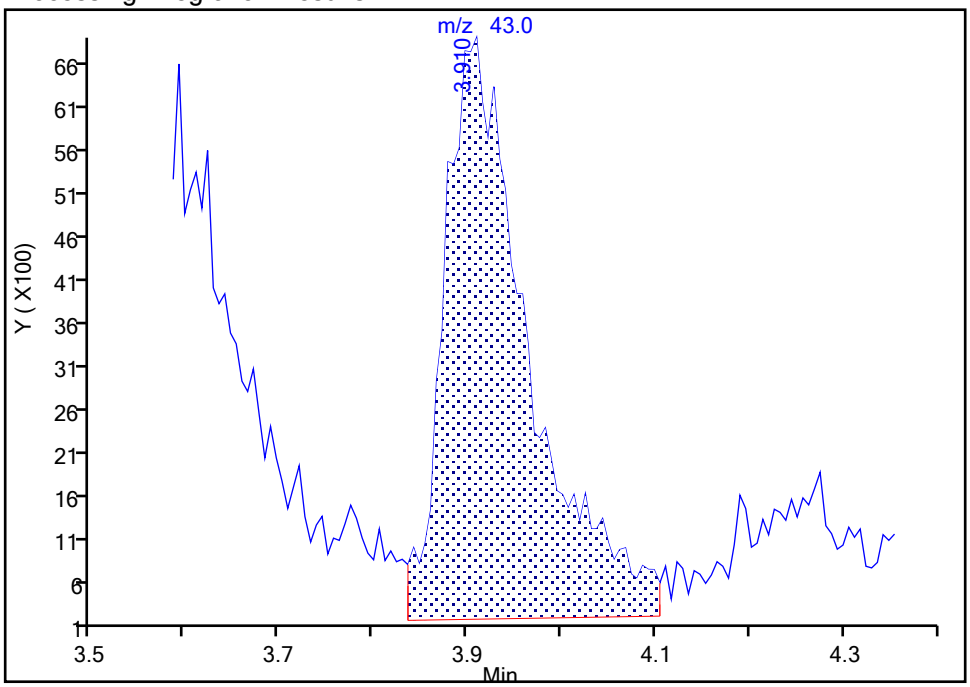
Data File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X15.D				
Injection Date:	11-Jul-2022 17:51:30	Instrument ID:	19094		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

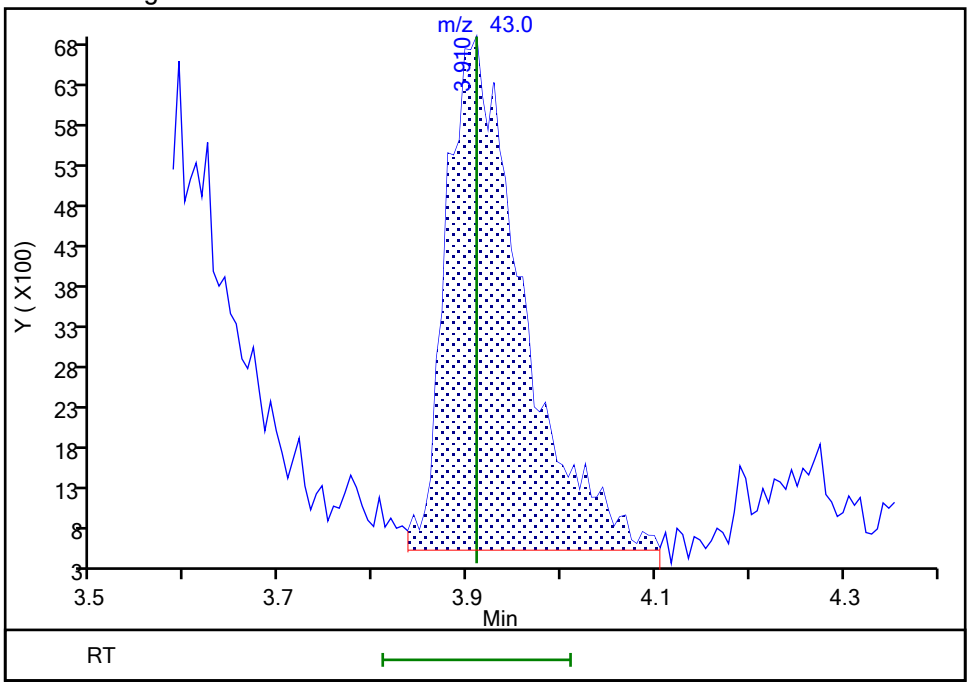
Processing Integration Results

RT: 3.91
Area: 41579
Amount: 2.194579
Amount Units: ug/l



Manual Integration Results

RT: 3.91
Area: 35316
Amount: 1.937652
Amount Units: ug/l



Reviewer: UKAD, 12-Jul-2022 09:51:53
Audit Action: Assigned New Baseline Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X16.D
Lims ID: IC std3 1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-Jul-2022 18:11:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0052505-016
Operator ID: kas02648 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 12-Jul-2022 11:51:06 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

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

First Level Reviewer: UKAD Date: 12-Jul-2022 09:54:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.934	1.940	-0.006	99	59403	1.00	0.9518	
6 Chloromethane	50	2.123	2.129	-0.006	99	71922	1.00	0.9198	
8 Butadiene	39	2.245	2.245	0.000	92	70198	1.00	0.9505	
7 Vinyl chloride	62	2.245	2.251	-0.006	87	73466	1.00	0.9483	
9 Bromomethane	94	2.562	2.562	0.000	88	49078	1.00	0.9024	
10 Chloroethane	64	2.641	2.648	-0.007	99	43768	1.00	0.9312	
11 Dichlorofluoromethane	67	2.873	2.873	0.000	97	94716	1.00	0.9091	
13 Trichlorofluoromethane	101	2.940	2.952	-0.012	96	87411	1.00	0.9321	
15 Ethyl ether	59	3.160	3.154	0.006	90	36780	1.00	0.9380	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.257	3.257	0.000	93	67338	1.00	0.9219	
17 Acrolein	56	3.349	3.349	0.000	99	251826	50.0	52.6	
18 1,1-Dichloroethene	96	3.483	3.489	-0.006	98	51047	1.00	0.9634	
19 Acetone	43	3.507	3.507	0.000	57	56977	10.0	10.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.525	3.519	0.006	91	51449	1.00	1.00	
21 Isopropyl alcohol	45	3.672	3.660	0.012	26	19191	20.0	15.4	
22 Iodomethane	142	3.678	3.672	0.006	97	89934	1.00	0.9760	
23 Ethyl bromide	108	3.702	3.708	-0.006	97	43476	1.00	0.9338	
24 Carbon disulfide	76	3.781	3.788	-0.007	98	135219	1.00	0.9533	
26 Methyl acetate	43	3.885	3.910	-0.025	20	15201	1.00	1.03	M
27 3-Chloro-1-propene	41	3.946	3.952	-0.006	94	86514	1.00	0.9408	
* 28 t-Butyl alcohol-d10 (IS)	65	4.147	4.123	0.024	0	87066	50.0	50.0	
29 Methylene Chloride	84	4.135	4.129	0.006	94	52410	1.00	0.9548	
30 2-Methyl-2-propanol	59	4.226	4.275	-0.049	77	40615	20.0	21.6	
31 Acrylonitrile	53	4.470	4.464	0.006	19	19244	2.50	2.56	M
32 Methyl tert-butyl ether	73	4.531	4.519	0.012	93	112695	1.00	0.9513	
33 trans-1,2-Dichloroethene	96	4.556	4.544	0.012	99	56807	1.00	0.9650	
34 Hexane	57	4.946	4.970	-0.024	93	77822	1.00	0.9449	
35 1,1-Dichloroethane	63	5.196	5.202	-0.006	95	104448	1.00	0.9492	
37 Isopropyl ether	45	5.257	5.263	-0.006	96	179260	1.00	0.9574	
38 2-Chloro-1,3-butadiene	53	5.306	5.306	0.000	91	83795	1.00	0.9325	
39 Tert-butyl ethyl ether	59	5.781	5.793	-0.012	99	158776	1.00	0.9585	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.988	5.988	0.000	100	102351	10.0	10.6	
42 cis-1,2-Dichloroethene	96	6.031	6.031	0.000	81	61506	1.00	0.9513	
43 2,2-Dichloropropane	77	6.049	6.055	-0.006	86	87898	1.00	0.9535	
45 Propionitrile	54	6.086	6.074	0.012	98	51370	20.0	20.7	
S 40 1,2-Dichloroethene, Total	100				0			1.92	
47 Methacrylonitrile	67	6.293	6.293	0.000	92	114169	10.0	10.6	
48 Chlorobromomethane	128	6.366	6.360	0.006	94	24178	1.00	0.9360	
49 Tetrahydrofuran	71	6.372	6.372	0.000	83	15578	5.00	5.62	
50 Chloroform	83	6.519	6.513	0.006	92	98008	1.00	0.9441	
$ 51 Dibromofluoromethane (Surr)	113	6.726	6.726	0.000	94	511791	10.0	9.92	
52 1,1,1-Trichloroethane	97	6.756	6.757	-0.001	98	91770	1.00	0.9498	
53 Cyclohexane	56	6.860	6.860	0.000	91	104255	1.00	0.9512	
55 1,1-Dichloropropene	75	6.952	6.958	-0.006	97	82705	1.00	0.9469	
56 Carbon tetrachloride	117	6.964	6.964	0.000	78	79987	1.00	0.9573	
57 Isobutyl alcohol	41	7.098	7.098	0.000	95	30946	50.0	50.4	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.177	7.189	-0.012	0	91709	10.0	9.75	
59 Benzene	78	7.220	7.220	0.000	95	244107	1.00	0.9588	
60 1,2-Dichloroethane	62	7.299	7.293	0.006	97	51817	1.00	0.9393	
62 Tert-amyl methyl ether	73	7.409	7.415	-0.006	98	136162	1.00	0.9647	
* 65 Fluorobenzene (IS)	96	7.628	7.628	0.000	99	2037557	10.0	10.0	
64 n-Heptane	43	7.647	7.653	-0.007	92	86111	1.00	0.9553	
66 n-Butanol	56	7.994	7.988	0.006	88	47075	87.5	89.6	
67 Trichloroethene	95	8.110	8.116	-0.006	98	63655	1.00	0.9491	
68 Methylcyclohexane	83	8.433	8.433	0.000	93	109016	1.00	0.9635	
70 1,2-Dichloropropane	63	8.451	8.451	0.000	88	61027	1.00	0.9549	
69 2-ethoxy-2-methyl butane	87	8.457	8.451	0.006	91	86257	1.00	0.9633	
71 Methyl methacrylate	69	8.537	8.537	0.000	91	22726	1.00	1.06	
72 1,4-Dioxane	88	8.567	8.549	0.018	33	7312	50.0	53.6	
73 Dibromomethane	93	8.561	8.555	0.006	95	25263	1.00	0.9494	
75 Dichlorobromomethane	83	8.793	8.799	-0.006	99	66840	1.00	0.9293	
76 2-Nitropropane	41	9.061	9.067	-0.006	96	27305	5.00	5.15	
79 1-Bromo-2-chloroethane	63	9.195	9.195	0.000	98	54639	1.00	0.9300	
80 cis-1,3-Dichloropropene	75	9.347	9.354	-0.007	96	83305	1.00	0.9232	
81 4-Methyl-2-pentanone (MIBK)	43	9.518	9.518	0.000	96	288664	10.0	11.0	
$ 82 Toluene-d8 (Surr)	98	9.664	9.665	-0.001	93	2188271	10.0	9.92	
83 Toluene	92	9.738	9.744	-0.006	98	154507	1.00	0.9430	
85 trans-1,3-Dichloropropene	75	10.006	10.000	0.006	91	65774	1.00	0.9426	
S 84 1,3-Dichloropropene, Total	100				0			1.87	
86 Ethyl methacrylate	69	10.067	10.067	0.000	88	51321	1.00	0.9596	
87 1,1,2-Trichloroethane	97	10.213	10.207	0.006	90	36462	1.00	0.9395	
88 Tetrachloroethene	166	10.298	10.299	-0.001	97	72632	1.00	0.9602	
89 1,3-Dichloropropane	76	10.372	10.372	0.000	88	64455	1.00	0.9635	
91 2-Hexanone	43	10.420	10.420	0.000	98	186685	10.0	10.7	
93 Chlorodibromomethane	129	10.591	10.591	0.000	89	44590	1.00	0.9283	
94 Ethylene Dibromide	107	10.701	10.701	0.000	97	33650	1.00	0.9465	
* 97 Chlorobenzene-d5 (IS)	117	11.134	11.134	0.000	85	1802515	10.0	10.0	
96 1-Chlorohexane	91	11.146	11.146	0.000	97	96628	1.00	0.9543	
98 Chlorobenzene	112	11.164	11.164	0.000	95	166598	1.00	0.9544	
99 1,1,1,2-Tetrachloroethane	131	11.243	11.243	0.000	95	55816	1.00	0.9321	
S 95 Xylenes, Total	106				0			2.83	
100 Ethylbenzene	91	11.249	11.250	-0.001	98	305034	1.00	0.9533	
101 m-Xylene & p-Xylene	106	11.365	11.365	0.000	0	228568	2.00	1.87	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
102 o-Xylene	106	11.695	11.695	-0.001	97	112434	1.00	0.9535	
103 Styrene	104	11.713	11.713	0.000	96	181168	1.00	0.9470	
104 Bromoform	173	11.871	11.871	0.000	97	25426	1.00	0.9186	
105 Isopropylbenzene	105	11.999	11.999	0.000	95	299877	1.00	0.9405	
$ 108 4-Bromofluorobenzene (Surr)	95	12.140	12.140	0.000	91	888594	10.0	9.93	
109 1,1,2,2-Tetrachloroethane	83	12.243	12.243	0.000	93	43665	1.00	0.9610	
111 Bromobenzene	156	12.261	12.262	-0.001	96	66242	1.00	0.9739	
110 trans-1,4-Dichloro-2-butene	53	12.268	12.268	0.000	91	94622	10.0	10.4	
112 1,2,3-Trichloropropane	110	12.286	12.292	-0.006	79	10598	1.00	0.9290	
113 N-Propylbenzene	91	12.329	12.329	0.000	99	361905	1.00	0.9542	
114 2-Chlorotoluene	126	12.402	12.402	0.000	97	70640	1.00	0.9678	
115 1,3,5-Trimethylbenzene	105	12.463	12.463	0.000	94	254672	1.00	0.9627	
116 4-Chlorotoluene	126	12.493	12.493	0.000	98	69914	1.00	0.9540	
118 tert-Butylbenzene	134	12.706	12.707	-0.001	93	58136	1.00	0.99	
119 Pentachloroethane	167	12.737	12.737	0.000	85	38784	1.00	0.9440	
120 1,2,4-Trimethylbenzene	105	12.749	12.749	0.000	97	253767	1.00	0.9507	
121 sec-Butylbenzene	105	12.871	12.871	0.000	94	331458	1.00	0.9568	
122 1,3-Dichlorobenzene	146	12.969	12.969	0.000	98	131401	1.00	0.9330	
123 4-Isopropyltoluene	119	12.975	12.975	0.000	97	283008	1.00	0.9530	
* 124 1,4-Dichlorobenzene-d4	152	13.024	13.024	0.000	94	992900	10.0	10.0	
125 1,4-Dichlorobenzene	146	13.042	13.042	0.000	96	131226	1.00	0.9388	
126 1,2,3-Trimethylbenzene	120	13.054	13.054	0.000	96	106449	1.00	0.9354	
127 Benzyl chloride	126	13.121	13.121	0.000	98	17500	1.00	0.9473	
129 p-Diethylbenzene	119	13.176	13.176	0.000	92	164633	1.00	0.9591	
130 n-Butylbenzene	92	13.267	13.267	0.000	96	142558	1.00	0.9511	
131 1,2-Dichlorobenzene	146	13.304	13.304	0.000	98	117234	1.00	0.9395	
134 1,2-Dibromo-3-Chloropropane	155	13.847	13.847	0.000	85	5499	1.00	0.9169	
135 1,3,5-Trichlorobenzene	180	13.968	13.969	-0.001	98	106250	1.00	0.9699	
136 1,2,4-Trichlorobenzene	180	14.395	14.395	0.000	94	88686	1.00	0.9615	
137 Hexachlorobutadiene	225	14.474	14.475	-0.001	96	42671	1.00	0.9525	
138 Naphthalene	128	14.572	14.572	0.000	97	141968	1.00	0.9532	
139 1,2,3-Trichlorobenzene	180	14.718	14.712	0.006	96	76975	1.00	0.9830	
140 2-Methylnaphthalene	142	15.334	15.340	-0.006	91	88905	1.00	0.99	
194 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_00049	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00101	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00053	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00005	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 12-Jul-2022 11:51:08 Chrom Revision: 2.3 08-Jul-2022 13:26:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X16.D

Injection Date: 11-Jul-2022 18:11:30 Instrument ID: 19094 Operator ID: kas02648

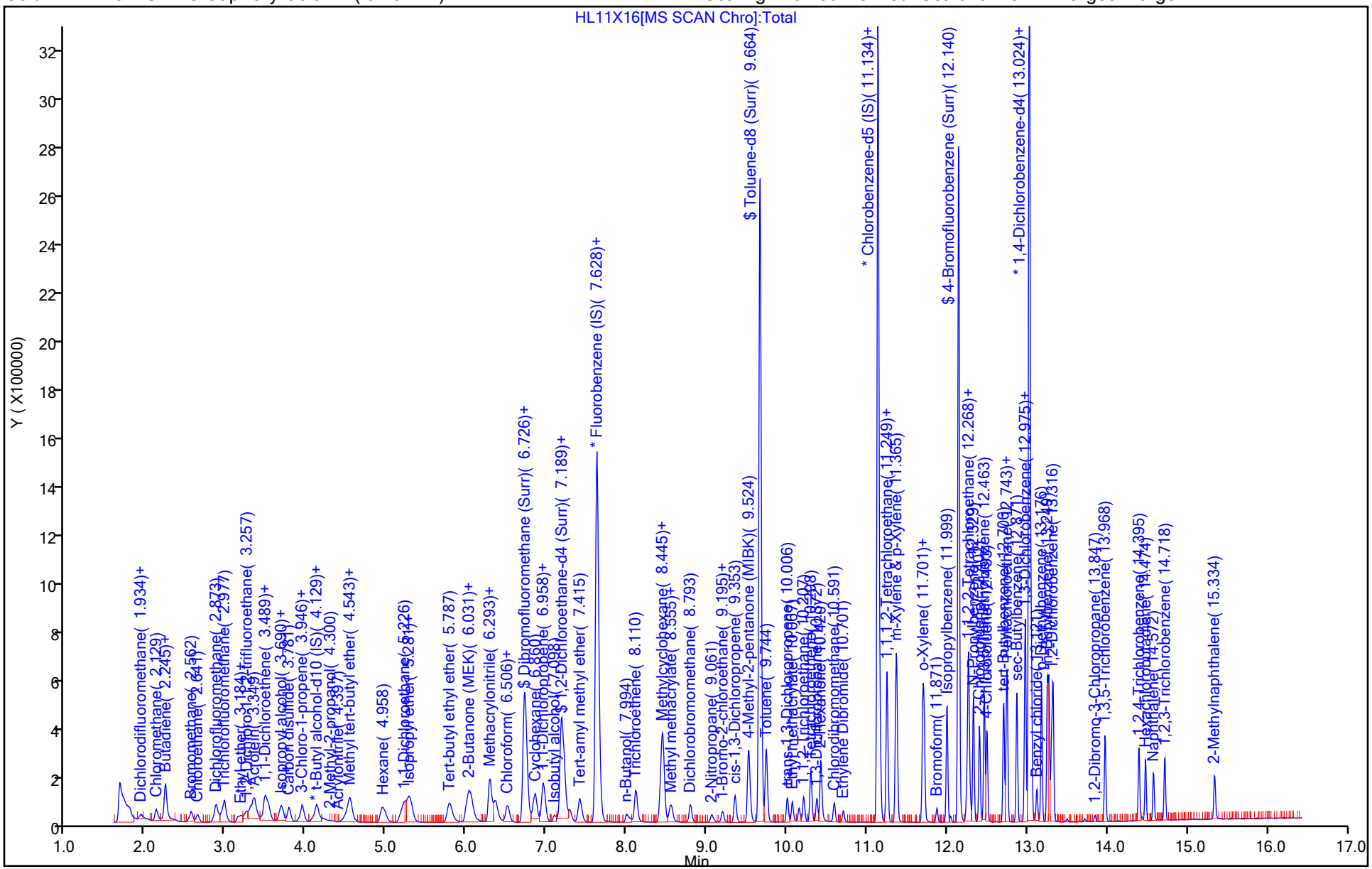
Lims ID: IC std3 1 Worklist Smp#: 16

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

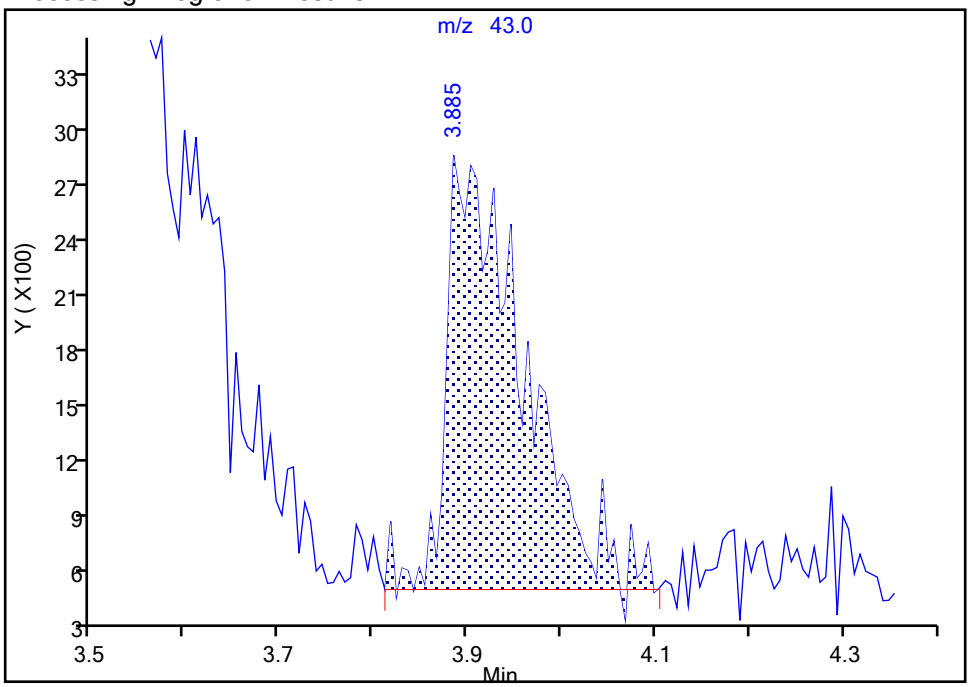
Data File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X16.D				
Injection Date:	11-Jul-2022 18:11:30	Instrument ID:	19094		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

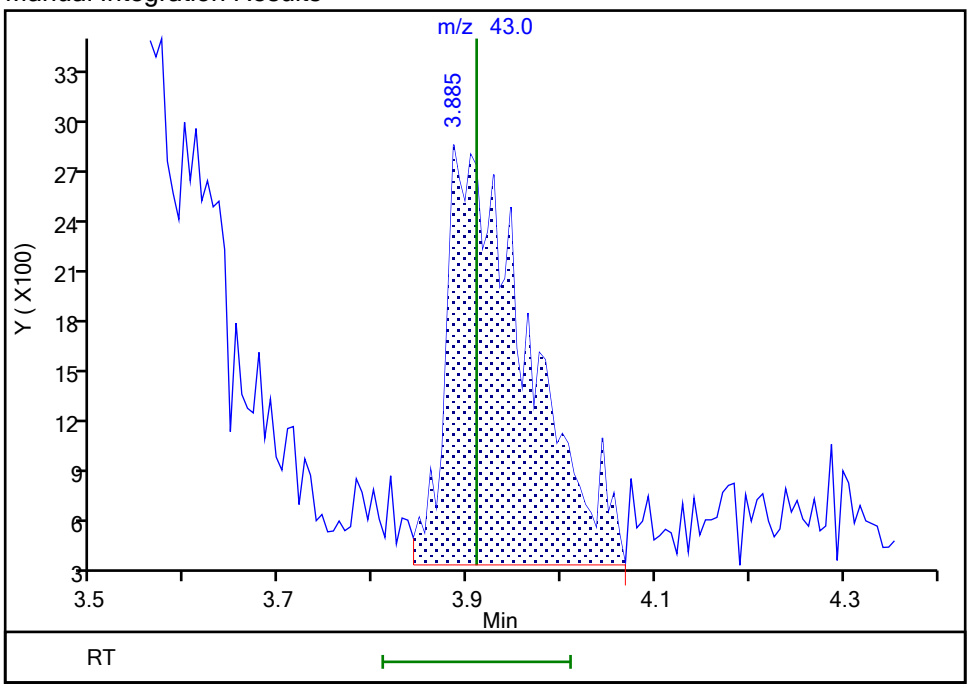
Processing Integration Results

RT: 3.89
Area: 13369
Amount: 0.926818
Amount Units: ug/l



Manual Integration Results

RT: 3.89
Area: 15201
Amount: 1.031322
Amount Units: ug/l



Reviewer: UKAD, 12-Jul-2022 09:53:38
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

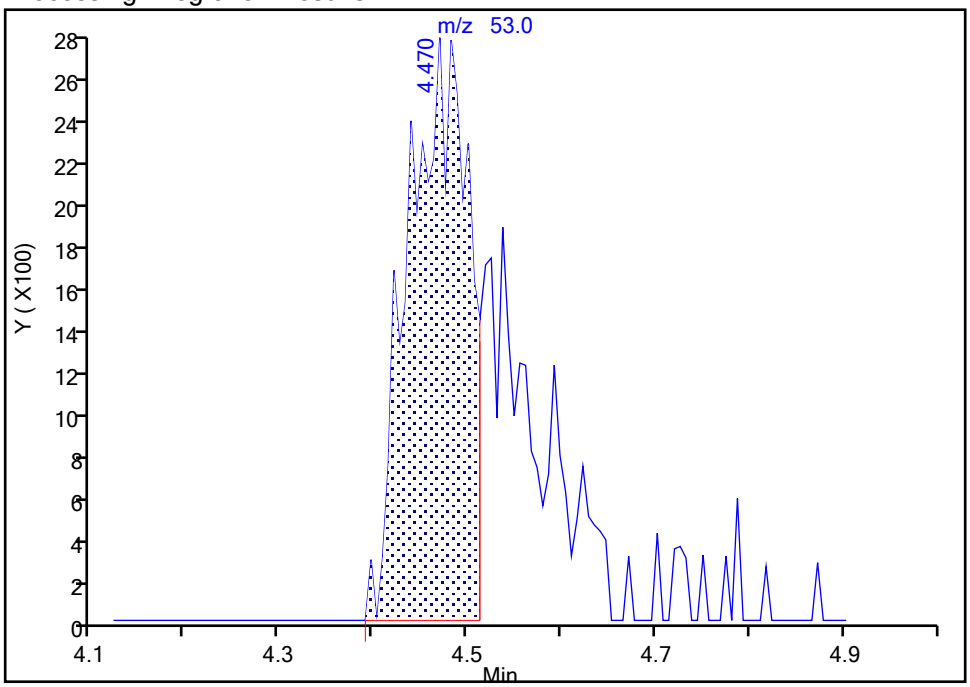
Data File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X16.D				
Injection Date:	11-Jul-2022 18:11:30	Instrument ID:	19094		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

31 Acrylonitrile, CAS: 107-13-1

Signal: 1

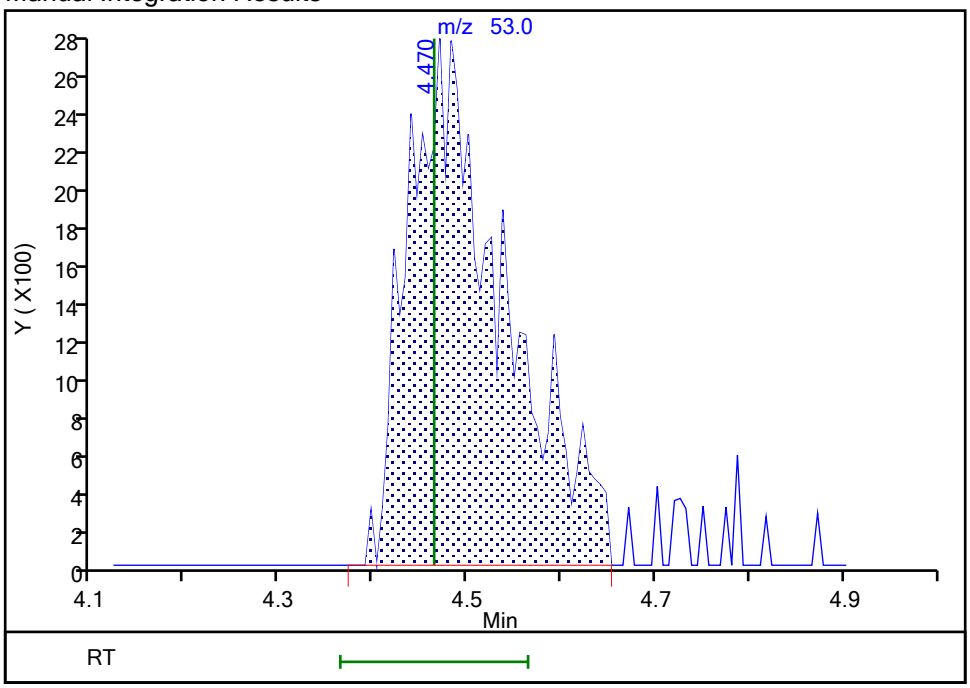
Processing Integration Results

RT: 4.47
Area: 12185
Amount: 1.927957
Amount Units: ug/l



Manual Integration Results

RT: 4.47
Area: 19244
Amount: 2.559270
Amount Units: ug/l



Reviewer: UKAD, 12-Jul-2022 10:11:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X17.D
Lims ID: IC std2 0.5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-Jul-2022 18:32:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0052505-017
Operator ID: kas02648 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 12-Jul-2022 11:51:15 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

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

First Level Reviewer: UKAD Date: 12-Jul-2022 09:56:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.946	1.940	0.006	98	29441	0.5000	0.4731	
6 Chloromethane	50	2.129	2.129	0.000	99	35764	0.5000	0.4588	
8 Butadiene	39	2.239	2.245	-0.006	91	32434	0.5000	0.4405	
7 Vinyl chloride	62	2.245	2.251	-0.006	83	34329	0.5000	0.4445	
9 Bromomethane	94	2.568	2.562	0.006	89	25582	0.5000	0.4718	
10 Chloroethane	64	2.641	2.648	-0.007	99	22322	0.5000	0.4764	
11 Dichlorofluoromethane	67	2.867	2.873	-0.006	96	47783	0.5000	0.4600	
13 Trichlorofluoromethane	101	2.952	2.952	0.000	96	41511	0.5000	0.4440	
15 Ethyl ether	59	3.154	3.154	0.000	84	17231	0.5001	0.4408	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.257	3.257	0.000	92	34976	0.5000	0.4803	
17 Acrolein	56	3.355	3.349	0.006	99	126498	25.0	28.1	
18 1,1-Dichloroethene	96	3.483	3.489	-0.006	97	26778	0.5000	0.5069	
19 Acetone	43	3.532	3.507	0.025	68	31750	5.00	6.07	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.525	3.519	0.006	88	24601	0.5000	0.4775	
21 Isopropyl alcohol	45	3.684	3.660	0.024	28	9017	10.0	8.58	M
22 Iodomethane	142	3.678	3.672	0.006	98	46089	0.5000	0.5017	
23 Ethyl bromide	108	3.708	3.708	0.000	97	20594	0.4999	0.4436	
24 Carbon disulfide	76	3.788	3.788	0.000	99	69895	0.5000	0.4942	
26 Methyl acetate	43	3.946	3.910	0.036	24	6605	0.5000	0.4770	M
27 3-Chloro-1-propene	41	3.952	3.952	0.000	93	45854	0.5000	0.5001	
* 28 t-Butyl alcohol-d10 (IS)	65	4.129	4.123	0.006	0	81790	50.0	50.0	
29 Methylene Chloride	84	4.135	4.129	0.006	93	27920	0.5000	0.5102	
30 2-Methyl-2-propanol	59	4.263	4.275	-0.012	63	18967	10.0	10.7	
31 Acrylonitrile	53	4.476	4.464	0.012	19	9691	1.25	1.37	M
32 Methyl tert-butyl ether	73	4.525	4.519	0.006	94	58986	0.5000	0.4994	
33 trans-1,2-Dichloroethene	96	4.550	4.544	0.006	100	29230	0.5000	0.4980	
34 Hexane	57	4.964	4.970	-0.006	90	40616	0.5000	0.4946	
35 1,1-Dichloroethane	63	5.190	5.202	-0.012	95	55872	0.5000	0.5093	
37 Isopropyl ether	45	5.257	5.263	-0.006	97	91474	0.5000	0.4900	
38 2-Chloro-1,3-butadiene	53	5.293	5.306	-0.013	89	43848	0.5000	0.4894	
39 Tert-butyl ethyl ether	59	5.787	5.793	-0.006	98	81551	0.5000	0.4938	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	6.007	5.988	0.019	100	46335	5.00	5.09	
42 cis-1,2-Dichloroethene	96	6.031	6.031	0.000	82	31554	0.5000	0.4895	
43 2,2-Dichloropropane	77	6.049	6.055	-0.006	89	45990	0.5000	0.5004	
45 Propionitrile	54	6.098	6.074	0.024	90	21624	10.0	9.26	
S 40 1,2-Dichloroethene, Total	100				0			0.9875	
47 Methacrylonitrile	67	6.293	6.293	0.000	90	58203	5.00	5.77	
48 Chlorobromomethane	128	6.360	6.360	0.000	92	12193	0.5000	0.4734	
49 Tetrahydrofuran	71	6.366	6.372	-0.006	68	6634	2.50	2.55	
50 Chloroform	83	6.507	6.513	-0.006	93	53597	0.5000	0.5179	
$ 51 Dibromofluoromethane (Surr)	113	6.726	6.726	0.000	94	515062	10.0	10.0	
52 1,1,1-Trichloroethane	97	6.757	6.757	0.000	98	47344	0.5000	0.4915	
53 Cyclohexane	56	6.842	6.860	-0.018	90	54650	0.5000	0.5001	
55 1,1-Dichloropropene	75	6.958	6.958	0.000	97	42736	0.5000	0.4907	
56 Carbon tetrachloride	117	6.964	6.964	0.000	91	39816	0.5000	0.4780	
57 Isobutyl alcohol	41	7.141	7.098	0.043	98	14765	25.0	25.6	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.189	7.189	0.000	0	94092	10.0	10.0	
59 Benzene	78	7.220	7.220	0.000	92	125402	0.5000	0.4940	
60 1,2-Dichloroethane	62	7.293	7.293	0.000	96	27855	0.5000	0.5064	
62 Tert-amyl methyl ether	73	7.409	7.415	-0.006	98	70827	0.5000	0.5033	
* 65 Fluorobenzene (IS)	96	7.628	7.628	0.000	99	2031490	10.0	10.0	
64 n-Heptane	43	7.647	7.653	-0.006	89	45690	0.5000	0.5084	
66 n-Butanol	56	8.012	7.988	0.024	83	16852	43.8	34.1	
67 Trichloroethene	95	8.122	8.116	0.006	97	32976	0.5000	0.4931	
68 Methylcyclohexane	83	8.433	8.433	0.000	93	55236	0.5000	0.4897	
70 1,2-Dichloropropane	63	8.445	8.451	-0.006	74	31975	0.5000	0.5018	
69 2-ethoxy-2-methyl butane	87	8.451	8.451	0.000	90	44274	0.5000	0.4959	
71 Methyl methacrylate	69	8.537	8.537	0.000	95	11226	0.5000	0.5591	
72 1,4-Dioxane	88	8.561	8.549	0.012	34	3415	25.0	26.6	M
73 Dibromomethane	93	8.561	8.555	0.006	93	13211	0.5000	0.4980	
75 Dichlorobromomethane	83	8.793	8.799	-0.006	98	34786	0.5000	0.4851	
76 2-Nitropropane	41	9.067	9.067	0.000	93	13682	2.50	2.75	
79 1-Bromo-2-chloroethane	63	9.201	9.195	0.006	98	25444	0.5000	0.4344	
80 cis-1,3-Dichloropropene	75	9.354	9.354	0.000	97	43415	0.5000	0.4826	
81 4-Methyl-2-pentanone (MIBK)	43	9.518	9.518	0.000	96	144667	5.00	5.86	
$ 82 Toluene-d8 (Surr)	98	9.664	9.665	-0.001	93	2186651	10.0	10.0	
83 Toluene	92	9.744	9.744	0.000	98	81056	0.5000	0.4999	
85 trans-1,3-Dichloropropene	75	10.006	10.000	0.006	91	32928	0.5000	0.4768	
S 84 1,3-Dichloropropene, Total	100				0			0.9594	
86 Ethyl methacrylate	69	10.067	10.067	0.000	88	24949	0.5000	0.4714	
87 1,1,2-Trichloroethane	97	10.213	10.207	0.006	89	18556	0.5000	0.4832	
88 Tetrachloroethene	166	10.299	10.299	-0.001	97	38259	0.5000	0.5111	
89 1,3-Dichloropropane	76	10.372	10.372	0.000	88	32646	0.5000	0.4931	
91 2-Hexanone	43	10.427	10.420	0.007	96	93203	5.00	5.69	
93 Chlorodibromomethane	129	10.591	10.591	0.000	91	22493	0.5000	0.4732	
94 Ethylene Dibromide	107	10.701	10.701	0.000	97	17888	0.5000	0.5085	
* 97 Chlorobenzene-d5 (IS)	117	11.134	11.134	0.000	85	1783683	10.0	10.0	
96 1-Chlorohexane	91	11.146	11.146	0.000	97	50063	0.5000	0.4996	
98 Chlorobenzene	112	11.158	11.164	-0.006	95	85642	0.5000	0.4958	
99 1,1,1,2-Tetrachloroethane	131	11.243	11.243	0.000	94	28846	0.5000	0.4868	
S 95 Xylenes, Total	106				0			1.50	
100 Ethylbenzene	91	11.250	11.250	0.000	98	154814	0.5000	0.4889	
101 m-Xylene & p-Xylene	106	11.365	11.365	0.000	0	121299	1.00	1.00	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
102 o-Xylene	106	11.695	11.695	0.000	96	57735	0.5000	0.4948	
103 Styrene	104	11.713	11.713	0.000	95	92450	0.5000	0.4884	
104 Bromoform	173	11.871	11.871	0.000	97	12623	0.5000	0.4608	
105 Isopropylbenzene	105	11.999	11.999	0.000	95	156254	0.5000	0.4952	
$ 108 4-Bromofluorobenzene (Surr)	95	12.140	12.140	0.000	91	880073	10.0	9.93	
109 1,1,2,2-Tetrachloroethane	83	12.243	12.243	0.000	92	22404	0.5000	0.5026	
111 Bromobenzene	156	12.262	12.262	0.000	95	32939	0.5000	0.4936	
110 trans-1,4-Dichloro-2-butene	53	12.268	12.268	0.000	91	46217	5.00	5.42	
112 1,2,3-Trichloropropane	110	12.292	12.292	0.000	79	6024	0.5000	0.5382	
113 N-Propylbenzene	91	12.329	12.329	0.000	99	186777	0.5000	0.5019	
114 2-Chlorotoluene	126	12.408	12.402	0.006	97	35571	0.5000	0.4968	
115 1,3,5-Trimethylbenzene	105	12.463	12.463	0.000	94	129835	0.5000	0.5003	
116 4-Chlorotoluene	126	12.493	12.493	0.000	97	36896	0.5000	0.5132	
118 tert-Butylbenzene	134	12.707	12.707	0.000	93	28957	0.5000	0.5046	
119 Pentachloroethane	167	12.737	12.737	0.000	82	18023	0.5000	0.4471	
120 1,2,4-Trimethylbenzene	105	12.749	12.749	0.000	97	132294	0.5000	0.5052	
121 sec-Butylbenzene	105	12.871	12.871	0.000	94	170282	0.5000	0.5010	
122 1,3-Dichlorobenzene	146	12.969	12.969	0.000	98	69911	0.5000	0.5060	
123 4-Isopropyltoluene	119	12.981	12.975	0.006	97	146134	0.5000	0.5016	
* 124 1,4-Dichlorobenzene-d4	152	13.024	13.024	0.000	94	974107	10.0	10.0	
125 1,4-Dichlorobenzene	146	13.042	13.042	0.000	93	69120	0.5000	0.5040	
126 1,2,3-Trimethylbenzene	120	13.054	13.054	0.000	98	56083	0.5000	0.5024	
127 Benzyl chloride	126	13.121	13.121	0.000	99	8260	0.5000	0.4557	
129 p-Diethylbenzene	119	13.176	13.176	0.000	90	85170	0.5000	0.5058	
130 n-Butylbenzene	92	13.267	13.267	0.000	97	70907	0.5000	0.4822	
131 1,2-Dichlorobenzene	146	13.304	13.304	0.000	98	60558	0.5000	0.4947	
134 1,2-Dibromo-3-Chloropropane	155	13.847	13.847	0.000	82	2609	0.5000	0.4434	
135 1,3,5-Trichlorobenzene	180	13.975	13.969	0.006	94	54031	0.5000	0.5027	
136 1,2,4-Trichlorobenzene	180	14.395	14.395	0.000	94	44220	0.5000	0.4886	
137 Hexachlorobutadiene	225	14.475	14.475	0.000	93	24106	0.5000	0.5485	
138 Naphthalene	128	14.578	14.572	0.006	97	72436	0.5000	0.4957	
139 1,2,3-Trichlorobenzene	180	14.718	14.712	0.006	96	39169	0.5000	0.5098	
140 2-Methylnaphthalene	142	15.340	15.340	0.000	89	42541	0.5000	0.4835	
194 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_00049	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00101	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00053	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00005	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 12-Jul-2022 11:51:16 Chrom Revision: 2.3 08-Jul-2022 13:26:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X17.D

Injection Date: 11-Jul-2022 18:32:30 Instrument ID: 19094 Operator ID: kas02648

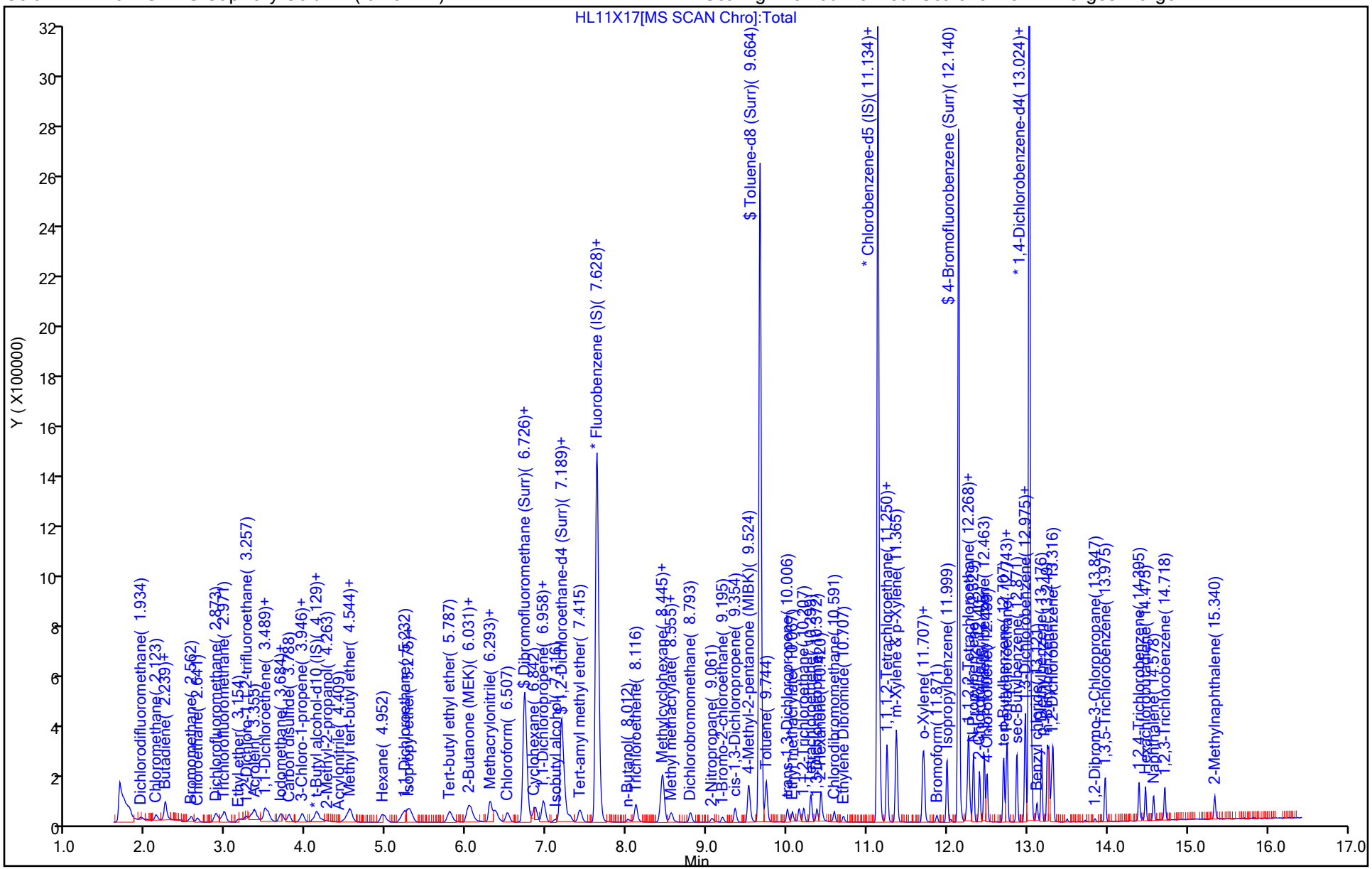
Lims ID: IC std2 0.5 Worklist Smp#: 17

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



03/31/2023

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

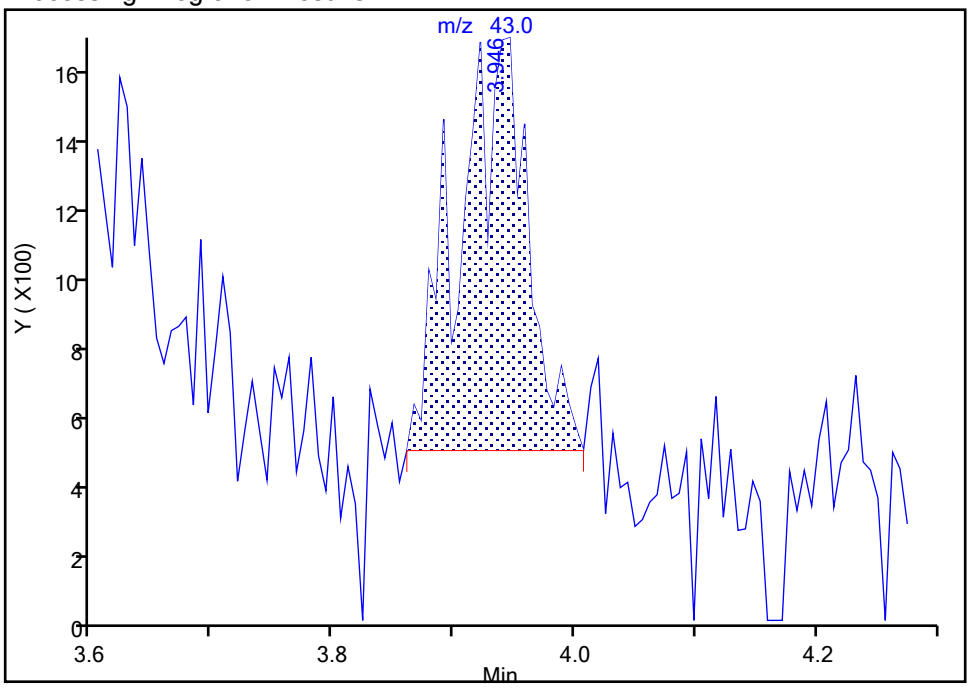
Data File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X17.D				
Injection Date:	11-Jul-2022 18:32:30	Instrument ID:	19094		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

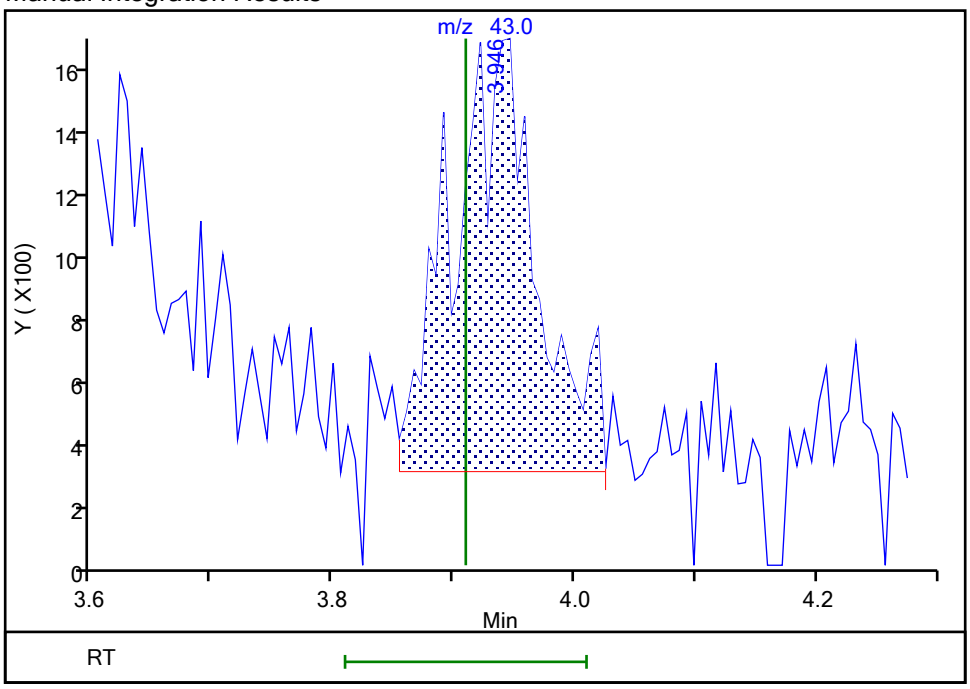
Processing Integration Results

RT: 3.95
Area: 4569
Amount: 0.348727
Amount Units: ug/l



Manual Integration Results

RT: 3.95
Area: 6605
Amount: 0.477027
Amount Units: ug/l



Reviewer: UKAD, 12-Jul-2022 09:54:55
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

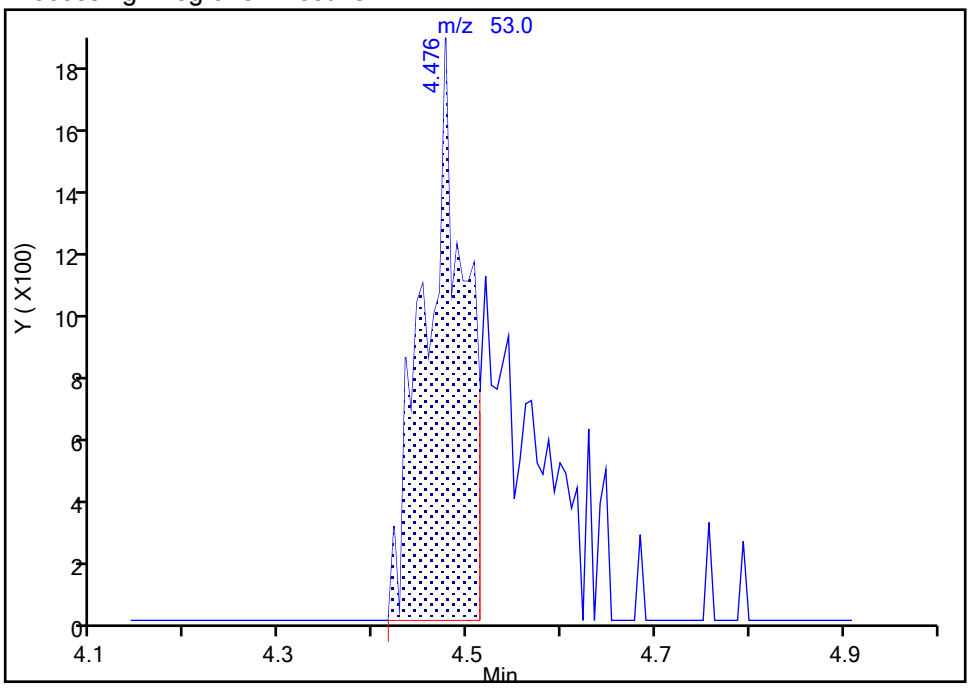
Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X17.D
Injection Date: 11-Jul-2022 18:32:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: kas02648 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

31 Acrylonitrile, CAS: 107-13-1

Signal: 1

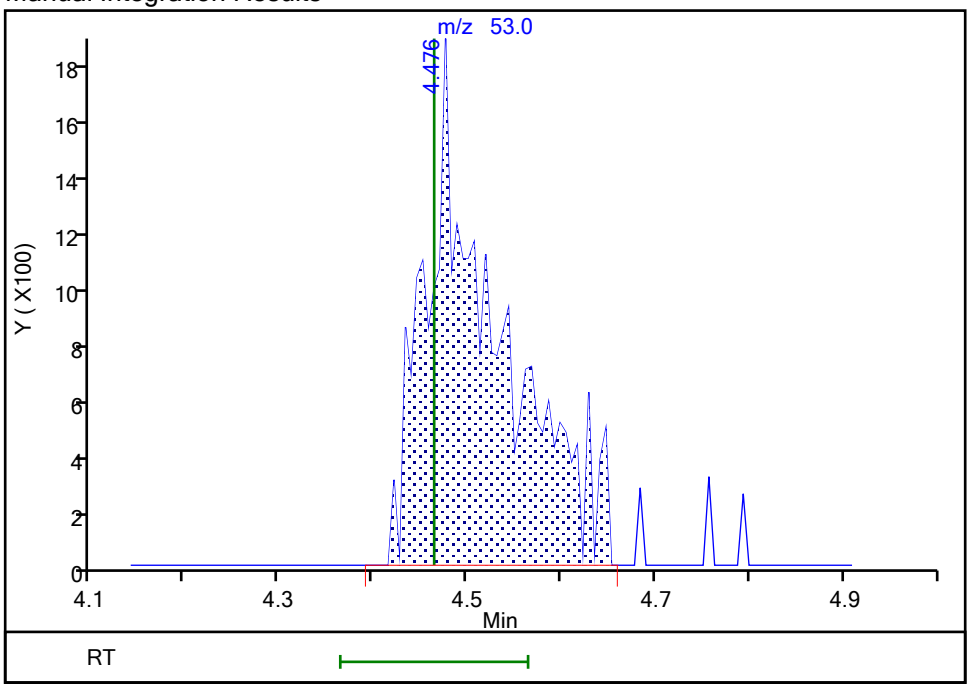
Processing Integration Results

RT: 4.48
Area: 5403
Amount: 1.079301
Amount Units: ug/l



Manual Integration Results

RT: 4.48
Area: 9691
Amount: 1.371948
Amount Units: ug/l



Reviewer: UKAD, 12-Jul-2022 10:11:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

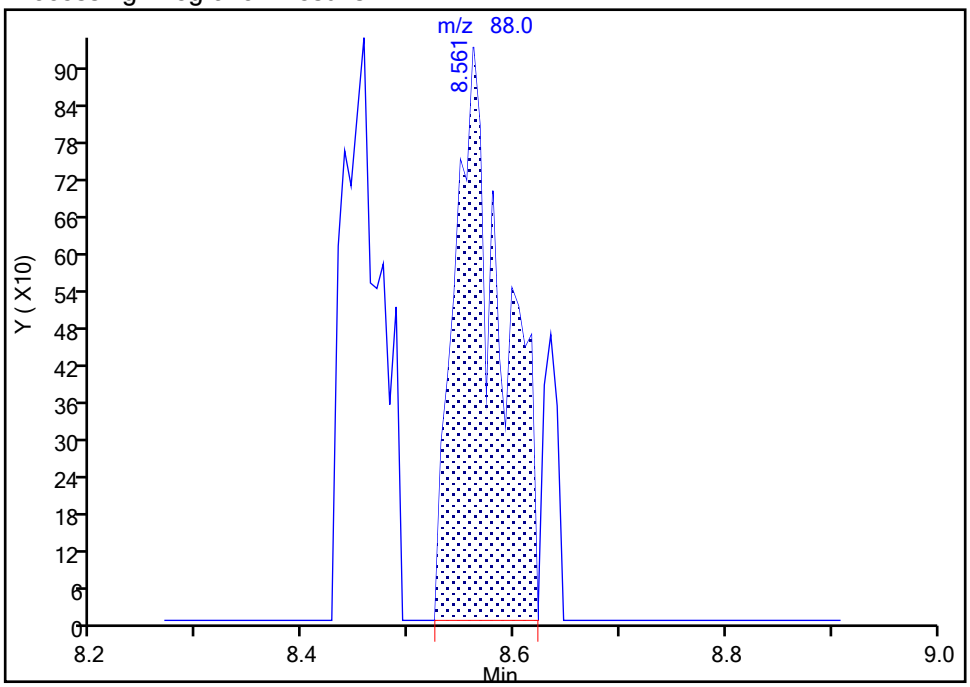
Data File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11X17.D				
Injection Date:	11-Jul-2022 18:32:30	Instrument ID:	19094		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

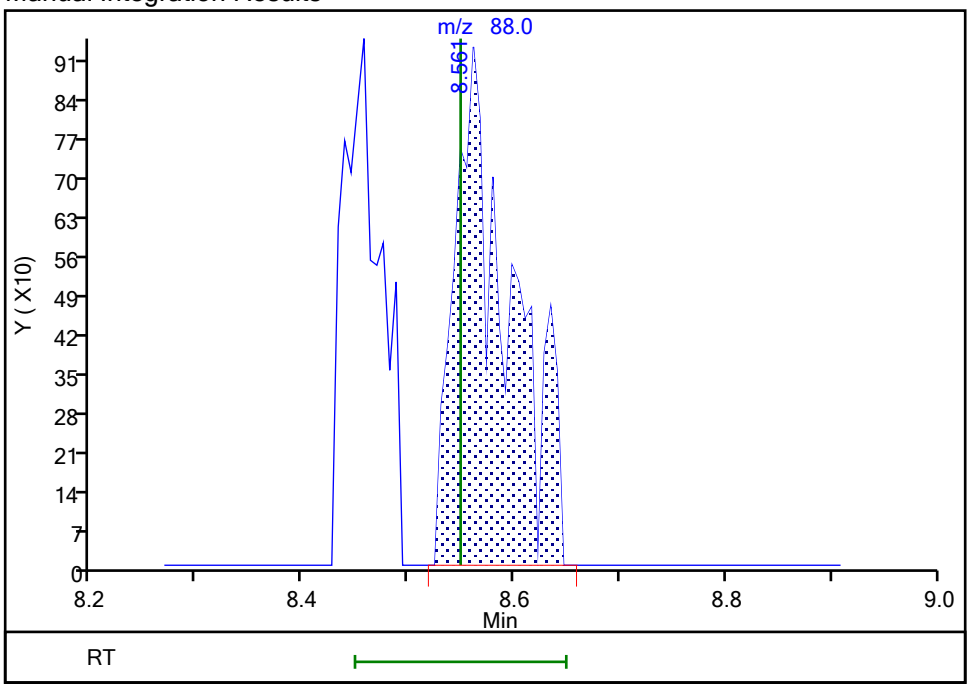
Processing Integration Results

RT: 8.56
Area: 2977
Amount: 28.394918
Amount Units: ug/l



Manual Integration Results

RT: 8.56
Area: 3415
Amount: 26.637646
Amount Units: ug/l



Reviewer: UKAD, 12-Jul-2022 10:13:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D
Lims ID: IC std1 0.2
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-Jul-2022 18:52:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0052505-019
Operator ID: kas02648 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 12-Jul-2022 11:51:24 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

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

First Level Reviewer: UKAD Date: 12-Jul-2022 09:59:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.922	1.940	-0.018	97	12093	0.2000	0.1893	
6 Chloromethane	50	2.117	2.129	-0.012	98	15861	0.2000	0.1982	
8 Butadiene	39	2.233	2.245	-0.012	97	16912	0.2000	0.2237	
7 Vinyl chloride	62	2.233	2.251	-0.018	85	14783	0.2000	0.1864	
9 Bromomethane	94	2.550	2.562	-0.012	92	11545	0.2000	0.2074	
10 Chloroethane	64	2.635	2.648	-0.013	98	9347	0.2000	0.1943	
11 Dichlorofluoromethane	67	2.867	2.873	-0.006	96	21148	0.2000	0.1983	
13 Trichlorofluoromethane	101	2.946	2.952	-0.006	93	17796	0.2000	0.1854	
15 Ethyl ether	59	3.172	3.154	0.018	70	7722	0.2001	0.1924	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.251	3.257	-0.006	86	14120	0.2000	0.1889	
17 Acrolein	56	3.336	3.349	-0.013	99	56027	10.0	7.98	
18 1,1-Dichloroethene	96	3.477	3.489	-0.012	97	9714	0.2000	0.1791	
19 Acetone	43	3.507	3.507	0.000	76	19892	2.00	2.43	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.513	3.519	-0.006	89	9385	0.2000	0.1774	
21 Isopropyl alcohol	45	3.611	3.660	-0.049	25	3822	4.00	5.02	M
22 Iodomethane	142	3.653	3.672	-0.019	99	17782	0.2000	0.1885	
23 Ethyl bromide	108	3.696	3.708	-0.012	96	8718	0.2000	0.1829	
24 Carbon disulfide	76	3.775	3.788	-0.013	98	27494	0.2000	0.1894	
26 Methyl acetate	43	3.946	3.910	0.036	22	4449	0.2000	0.2057	M
27 3-Chloro-1-propene	41	3.940	3.952	-0.012	94	19139	0.2000	0.2033	
* 28 t-Butyl alcohol-d10 (IS)	65	4.129	4.123	0.006	0	127772	50.0	50.0	
29 Methylene Chloride	84	4.117	4.129	-0.012	92	10350	0.2000	0.1842	
30 2-Methyl-2-propanol	59	4.239	4.275	-0.036	70	10320	4.00	3.73	
31 Acrylonitrile	53	4.476	4.464	0.012	21	3316	0.5000	0.3005	M
32 Methyl tert-butyl ether	73	4.519	4.519	0.000	93	21966	0.2000	0.1812	
33 trans-1,2-Dichloroethene	96	4.531	4.544	-0.013	96	10942	0.2000	0.1816	
34 Hexane	57	4.940	4.970	-0.030	90	16053	0.2000	0.1904	
35 1,1-Dichloroethane	63	5.196	5.202	-0.006	74	20381	0.2000	0.1810	
37 Isopropyl ether	45	5.232	5.263	-0.031	91	35599	0.2000	0.1858	
38 2-Chloro-1,3-butadiene	53	5.305	5.306	-0.001	43	16777	0.2000	0.1824	
39 Tert-butyl ethyl ether	59	5.781	5.793	-0.012	96	32074	0.2000	0.1892	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	6.007	5.988	0.019	99	23175	2.00	1.63	
42 cis-1,2-Dichloroethene	96	6.031	6.031	0.000	80	12731	0.2000	0.1924	
43 2,2-Dichloropropane	77	6.037	6.055	-0.018	83	17016	0.2000	0.1803	
45 Propionitrile	54	6.086	6.074	0.012	95	10758	4.00	2.95	M
S 40 1,2-Dichloroethene, Total	100				0			0.3740	
47 Methacrylonitrile	67	6.293	6.293	0.000	92	23008	2.00	1.46	
48 Chlorobromomethane	128	6.360	6.360	0.000	75	5425	0.2000	0.2052	
49 Tetrahydrofuran	71	6.360	6.372	-0.012	71	3287	1.00	0.8085	
50 Chloroform	83	6.506	6.513	-0.007	92	18941	0.2000	0.1783	
$ 51 Dibromofluoromethane (Surr)	113	6.726	6.726	0.000	94	524666	10.0	9.94	
52 1,1,1-Trichloroethane	97	6.756	6.757	-0.001	93	18862	0.2000	0.1907	
53 Cyclohexane	56	6.848	6.860	-0.012	88	21247	0.2000	0.1894	
55 1,1-Dichloropropene	75	6.958	6.958	0.000	96	17380	0.2000	0.1944	
56 Carbon tetrachloride	117	6.958	6.964	-0.006	90	15638	0.2000	0.1829	
57 Isobutyl alcohol	41	7.104	7.098	0.006	94	8353	10.0	9.26	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.177	7.189	-0.012	0	97667	10.0	10.1	
59 Benzene	78	7.214	7.220	-0.006	93	49624	0.2000	0.1904	
60 1,2-Dichloroethane	62	7.287	7.293	-0.006	67	11134	0.2000	0.1972	
62 Tert-amyl methyl ether	73	7.403	7.415	-0.012	99	25747	0.2000	0.1782	
* 65 Fluorobenzene (IS)	96	7.622	7.628	-0.006	99	2085513	10.0	10.0	
64 n-Heptane	43	7.646	7.653	-0.007	36	19527	0.2000	0.2117	
66 n-Butanol	56	8.018	7.988	0.030	93	12895	17.5	16.7	
67 Trichloroethene	95	8.110	8.116	-0.006	95	13274	0.2000	0.1934	
68 Methylcyclohexane	83	8.433	8.433	0.000	94	22098	0.2000	0.1908	
70 1,2-Dichloropropane	63	8.445	8.451	-0.006	75	11924	0.2000	0.1823	
69 2-ethoxy-2-methyl butane	87	8.451	8.451	0.000	89	16495	0.2000	0.1800	
71 Methyl methacrylate	69	8.537	8.537	0.000	43	4072	0.2000	0.1298	
72 1,4-Dioxane	88	8.555	8.549	0.006	33	947	10.0	4.73	M
73 Dibromomethane	93	8.561	8.555	0.006	94	5425	0.2000	0.1992	
75 Dichlorobromomethane	83	8.793	8.799	-0.006	94	14182	0.2000	0.1926	
76 2-Nitropropane	41	9.061	9.067	-0.006	98	6354	1.00	0.8170	
79 1-Bromo-2-chloroethane	63	9.189	9.195	-0.006	96	11419	0.2000	0.1899	
80 cis-1,3-Dichloropropene	75	9.353	9.354	-0.001	96	16185	0.2000	0.1752	
81 4-Methyl-2-pentanone (MIBK)	43	9.512	9.518	-0.006	96	57049	2.00	1.48	
$ 82 Toluene-d8 (Surr)	98	9.658	9.665	-0.007	93	2255316	10.0	10.2	
83 Toluene	92	9.744	9.744	0.000	98	32116	0.2000	0.1958	
85 trans-1,3-Dichloropropene	75	10.006	10.000	0.006	90	13040	0.2000	0.1867	
S 84 1,3-Dichloropropene, Total	100				0			0.3619	
86 Ethyl methacrylate	69	10.067	10.067	0.000	83	9577	0.2000	0.1789	M
87 1,1,2-Trichloroethane	97	10.213	10.207	0.006	86	8392	0.2000	0.2160	
88 Tetrachloroethene	166	10.298	10.299	-0.001	96	14261	0.2000	0.1884	
89 1,3-Dichloropropane	76	10.378	10.372	0.006	88	12843	0.2000	0.1918	
91 2-Hexanone	43	10.426	10.420	0.006	96	35536	2.00	1.39	
93 Chlorodibromomethane	129	10.585	10.591	-0.006	88	9323	0.2000	0.1939	
94 Ethylene Dibromide	107	10.701	10.701	0.000	95	5776	0.2000	0.1623	
* 97 Chlorobenzene-d5 (IS)	117	11.134	11.134	0.000	85	1804145	10.0	10.0	
96 1-Chlorohexane	91	11.146	11.146	0.000	33	21731	0.2000	0.2144	
98 Chlorobenzene	112	11.158	11.164	-0.006	94	33865	0.2000	0.1938	
99 1,1,1,2-Tetrachloroethane	131	11.243	11.243	0.000	92	11585	0.2000	0.1933	
S 95 Xylenes, Total	106				0			0.5721	
100 Ethylbenzene	91	11.249	11.250	-0.001	98	61642	0.2000	0.1925	
101 m-Xylene & p-Xylene	106	11.365	11.365	0.000	0	46705	0.4000	0.3825	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
102 o-Xylene	106	11.694	11.695	-0.001	96	22378	0.2000	0.1896	
103 Styrene	104	11.713	11.713	0.000	96	33946	0.2000	0.1773	
104 Bromoform	173	11.871	11.871	0.000	96	4931	0.2000	0.1780	
105 Isopropylbenzene	105	11.993	11.999	-0.006	95	59579	0.2000	0.1867	
$ 108 4-Bromofluorobenzene (Surr)	95	12.140	12.140	0.000	91	897535	10.0	10.0	
109 1,1,2,2-Tetrachloroethane	83	12.243	12.243	0.000	91	8357	0.2000	0.1825	
111 Bromobenzene	156	12.255	12.262	-0.007	90	13159	0.2000	0.1920	
110 trans-1,4-Dichloro-2-butene	53	12.268	12.268	0.000	92	19002	2.00	1.43	
112 1,2,3-Trichloropropane	110	12.292	12.292	0.000	76	2053	0.2000	0.1786	
113 N-Propylbenzene	91	12.328	12.329	-0.001	99	70175	0.2000	0.1836	
114 2-Chlorotoluene	126	12.402	12.402	0.000	96	13760	0.2000	0.1871	
115 1,3,5-Trimethylbenzene	105	12.463	12.463	0.000	93	49390	0.2000	0.1853	
116 4-Chlorotoluene	126	12.499	12.493	0.006	96	13230	0.2000	0.1791	
118 tert-Butylbenzene	134	12.706	12.707	-0.001	92	10722	0.2000	0.1819	
119 Pentachloroethane	167	12.737	12.737	0.000	82	7445	0.2000	0.1798	
120 1,2,4-Trimethylbenzene	105	12.749	12.749	0.000	96	50131	0.2000	0.1864	
121 sec-Butylbenzene	105	12.871	12.871	0.000	94	67287	0.2000	0.1927	
122 1,3-Dichlorobenzene	146	12.969	12.969	0.000	98	27316	0.2000	0.1924	
123 4-Isopropyltoluene	119	12.975	12.975	0.000	97	57362	0.2000	0.1917	
* 124 1,4-Dichlorobenzene-d4	152	13.023	13.024	-0.001	94	1000650	10.0	10.0	
125 1,4-Dichlorobenzene	146	13.042	13.042	0.000	93	27701	0.2000	0.1966	
126 1,2,3-Trimethylbenzene	120	13.054	13.054	0.000	96	23143	0.2000	0.2018	
127 Benzyl chloride	126	13.127	13.121	0.006	97	3379	0.2000	0.1815	
129 p-Diethylbenzene	119	13.176	13.176	0.000	91	31975	0.2000	0.1848	
130 n-Butylbenzene	92	13.267	13.267	0.000	98	29597	0.2000	0.1959	
131 1,2-Dichlorobenzene	146	13.304	13.304	0.000	97	24746	0.2000	0.1968	
134 1,2-Dibromo-3-Chloropropane	155	13.846	13.847	-0.001	83	829	0.2000	0.1372	
135 1,3,5-Trichlorobenzene	180	13.975	13.969	0.005	97	20738	0.2000	0.1878	
136 1,2,4-Trichlorobenzene	180	14.395	14.395	0.000	94	17418	0.2000	0.1874	
137 Hexachlorobutadiene	225	14.474	14.475	-0.001	93	11211	0.2000	0.2483	
138 Naphthalene	128	14.578	14.572	0.006	97	28721	0.2000	0.1913	
139 1,2,3-Trichlorobenzene	180	14.718	14.712	0.006	93	14798	0.2000	0.1875	
140 2-Methylnaphthalene	142	15.340	15.340	0.000	94	18442	0.2000	0.2041	
194 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_00049	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00101	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00053	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00005	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 12-Jul-2022 11:51:25 Chrom Revision: 2.3 08-Jul-2022 13:26:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Injection Date: 11-Jul-2022 18:52:30 Instrument ID: 19094 Operator ID: kas02648

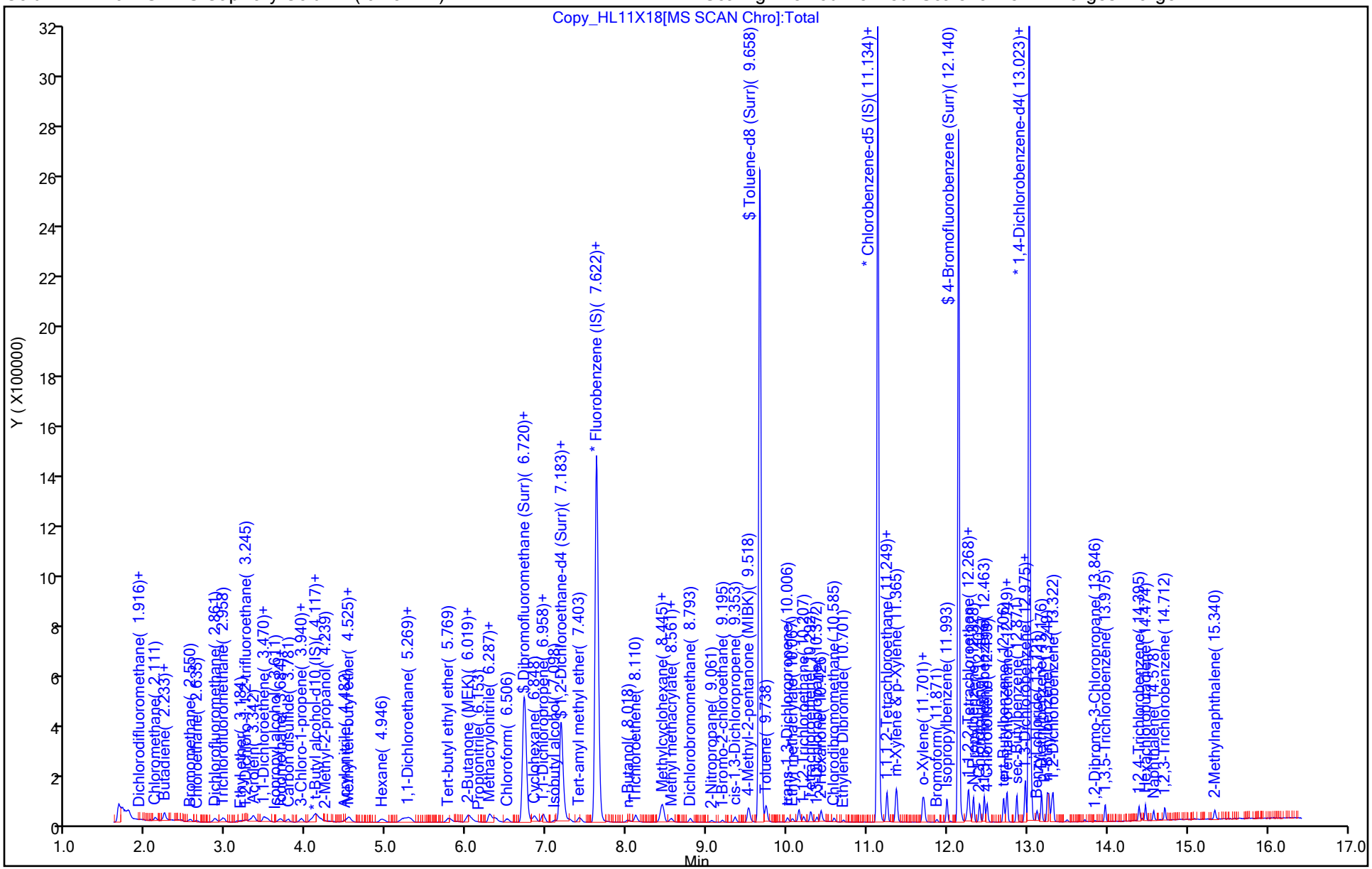
Lims ID: IC std1 0.2 Worklist Smp#: 18

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

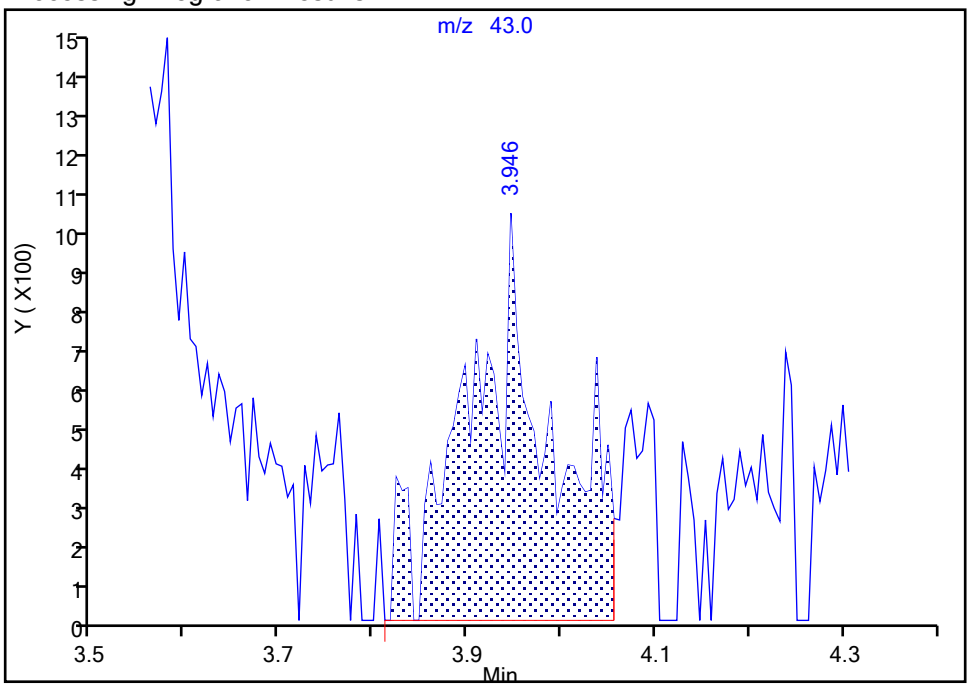
Data File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Injection Date:	11-Jul-2022 18:52:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

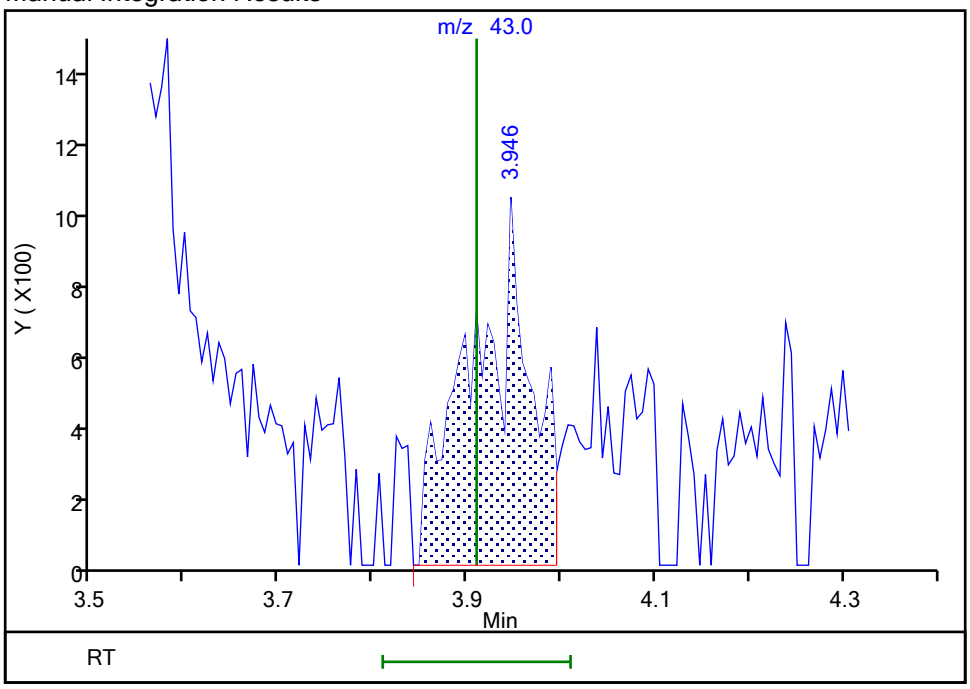
Processing Integration Results

RT: 3.95
Area: 6208
Amount: 0.271247
Amount Units: ug/l



Manual Integration Results

RT: 3.95
Area: 4449
Amount: 0.205683
Amount Units: ug/l



Reviewer: UKAD, 12-Jul-2022 09:57:38
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

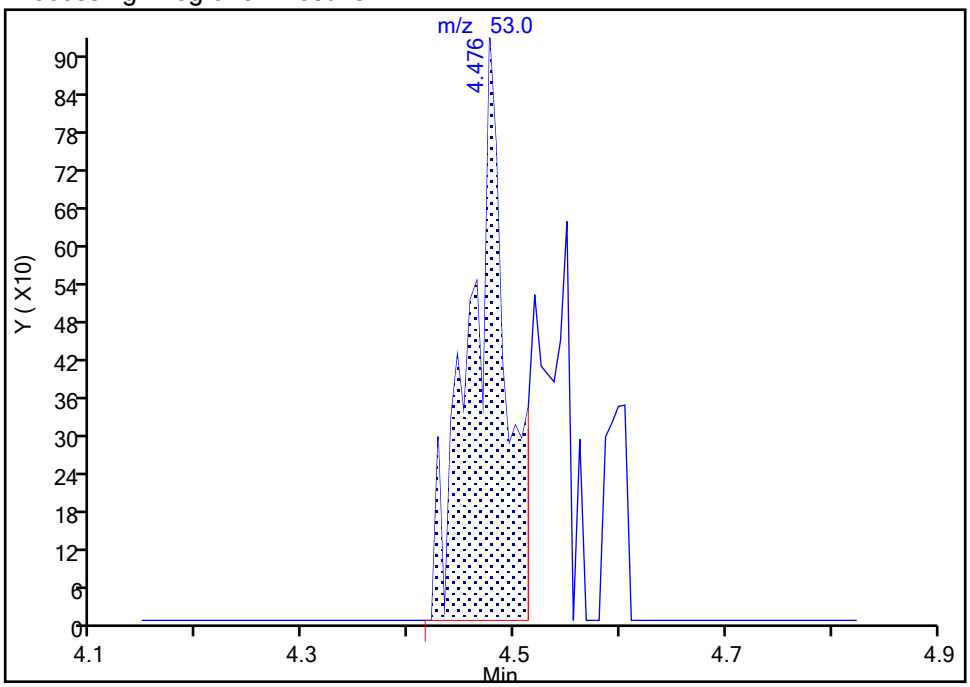
Data File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Injection Date:	11-Jul-2022 18:52:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

31 Acrylonitrile, CAS: 107-13-1

Signal: 1

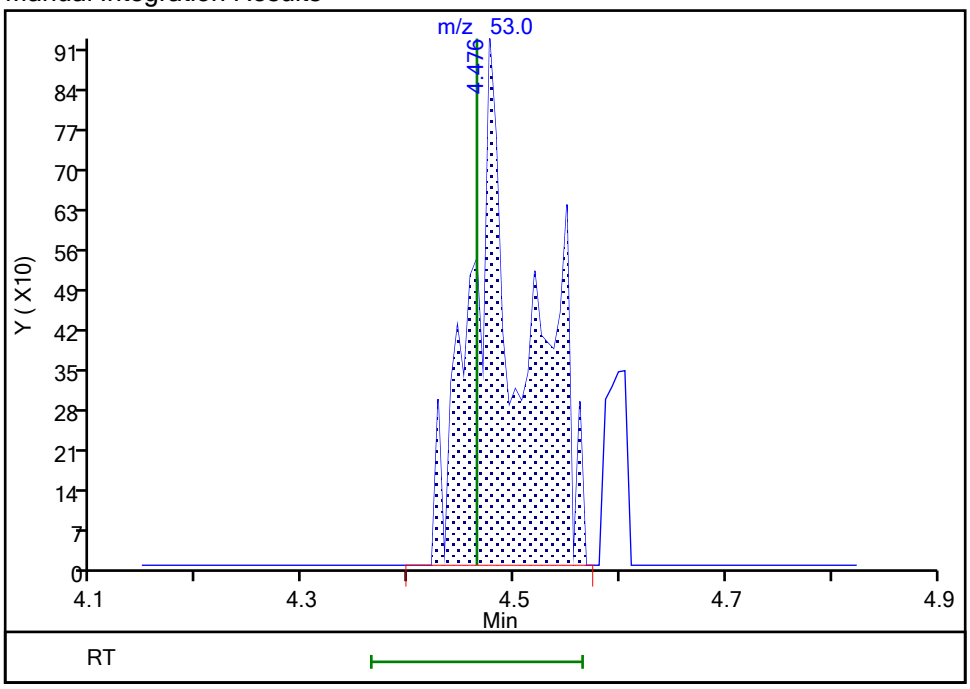
Processing Integration Results

RT: 4.48
Area: 2201
Amount: 0.454116
Amount Units: ug/l



Manual Integration Results

RT: 4.48
Area: 3316
Amount: 0.300503
Amount Units: ug/l



Reviewer: UKAD, 12-Jul-2022 10:11:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

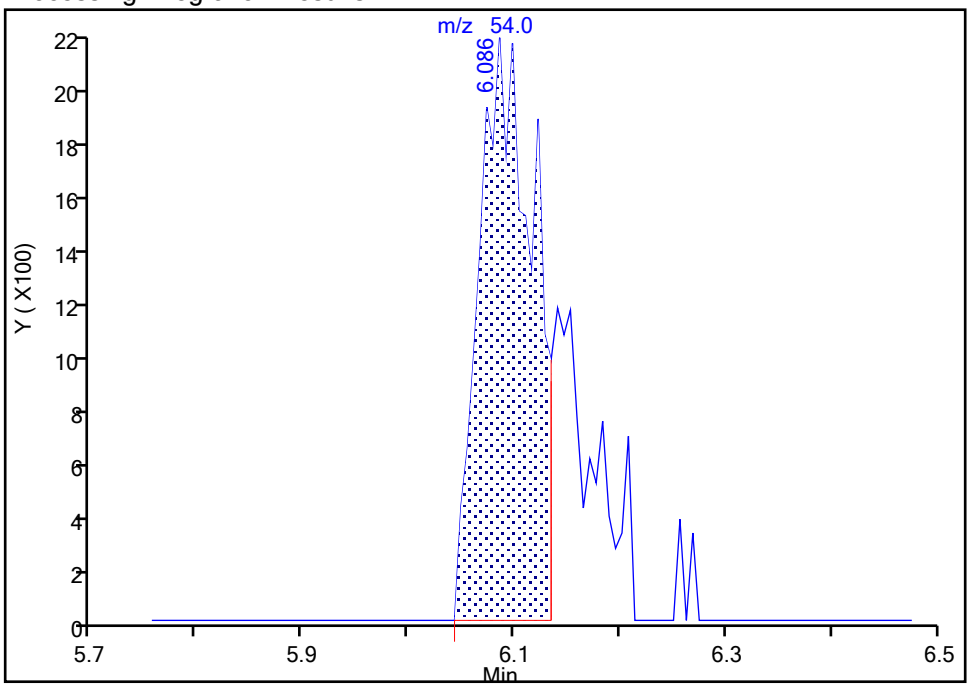
Data File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Injection Date:	11-Jul-2022 18:52:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

45 Propionitrile, CAS: 107-12-0

Signal: 1

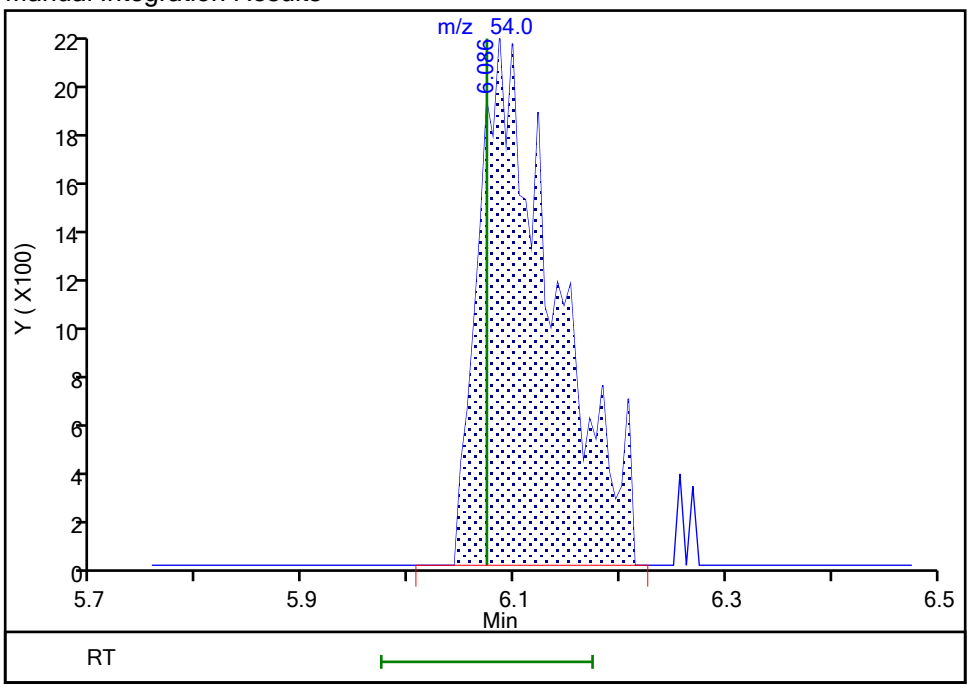
Processing Integration Results

RT: 6.09
Area: 7805
Amount: 2.135891
Amount Units: ug/l



Manual Integration Results

RT: 6.09
Area: 10758
Amount: 2.950262
Amount Units: ug/l



Reviewer: UKAD, 12-Jul-2022 09:57:55

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

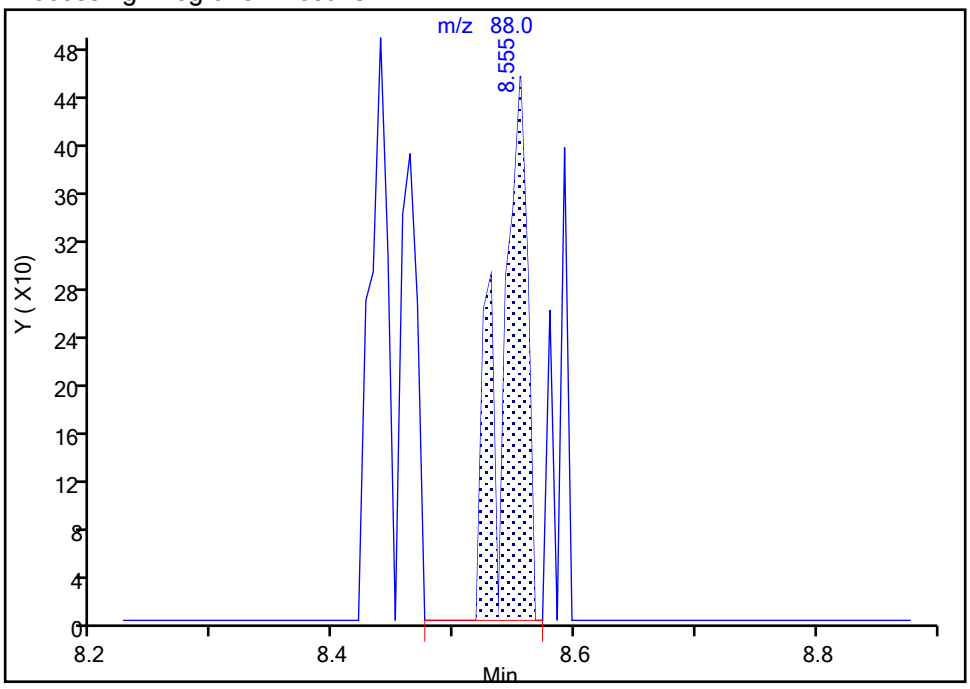
Data File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Injection Date:	11-Jul-2022 18:52:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

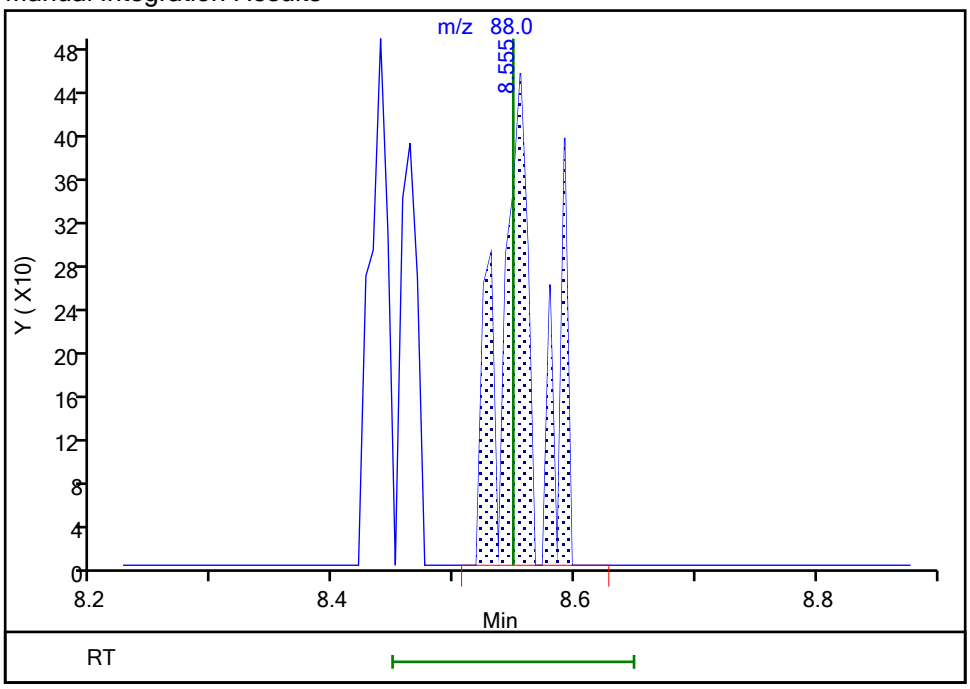
Processing Integration Results

RT: 8.55
Area: 707
Amount: 4.408933
Amount Units: ug/l



Manual Integration Results

RT: 8.55
Area: 947
Amount: 4.728459
Amount Units: ug/l



Reviewer: UKAD, 12-Jul-2022 09:58:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

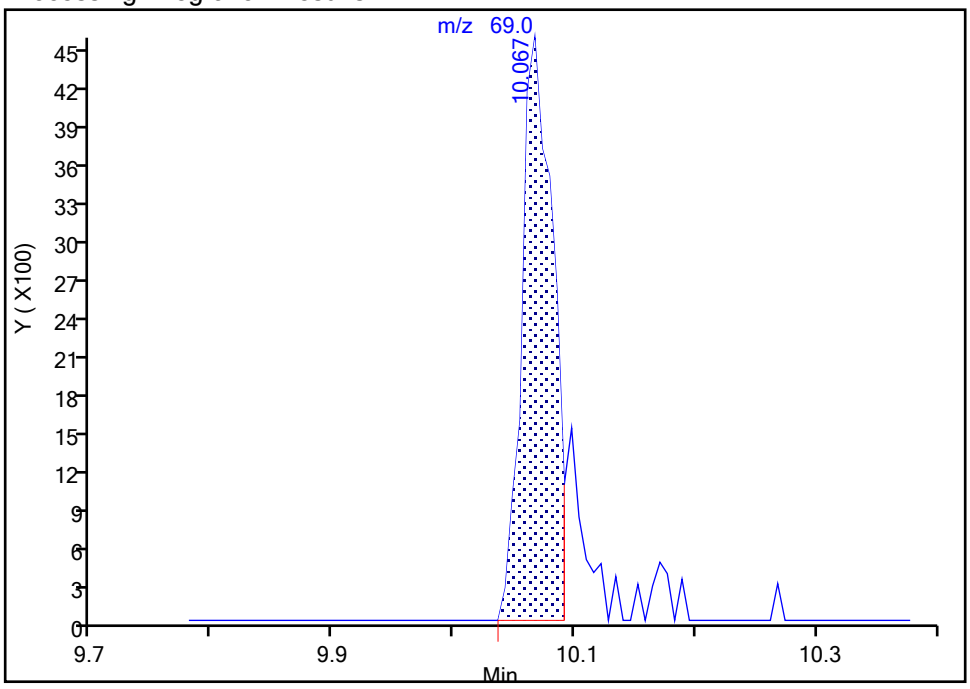
Data File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Injection Date:	11-Jul-2022 18:52:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	kas02648	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

86 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

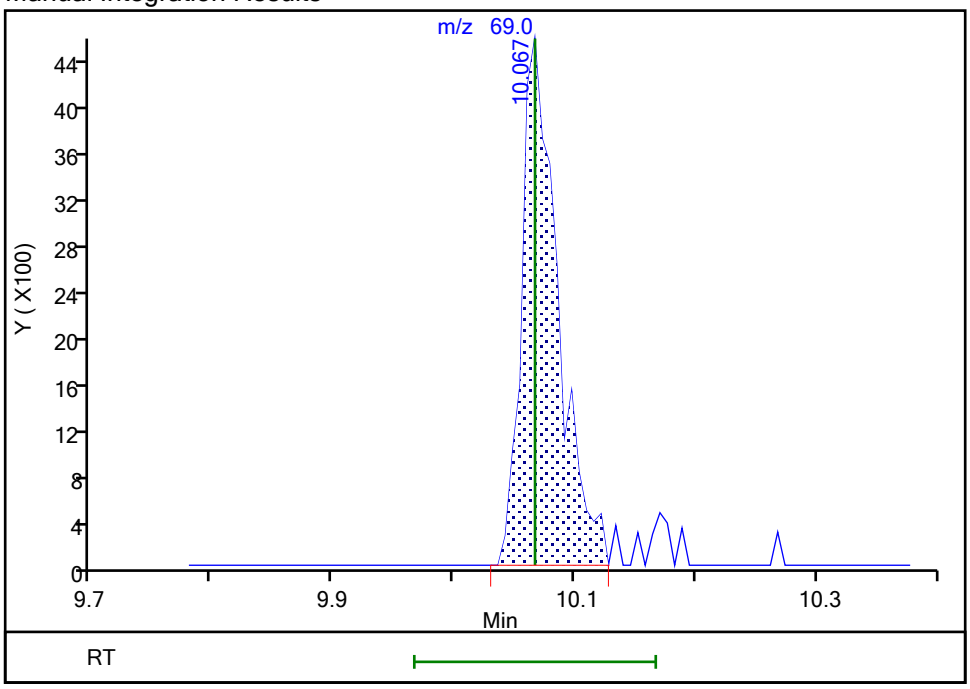
Processing Integration Results

RT: 10.07
Area: 8246
Amount: 0.156824
Amount Units: ug/l



Manual Integration Results

RT: 10.07
Area: 9577
Amount: 0.178902
Amount Units: ug/l



Reviewer: UKAD, 12-Jul-2022 09:58:23
Audit Action: Manually Integrated 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

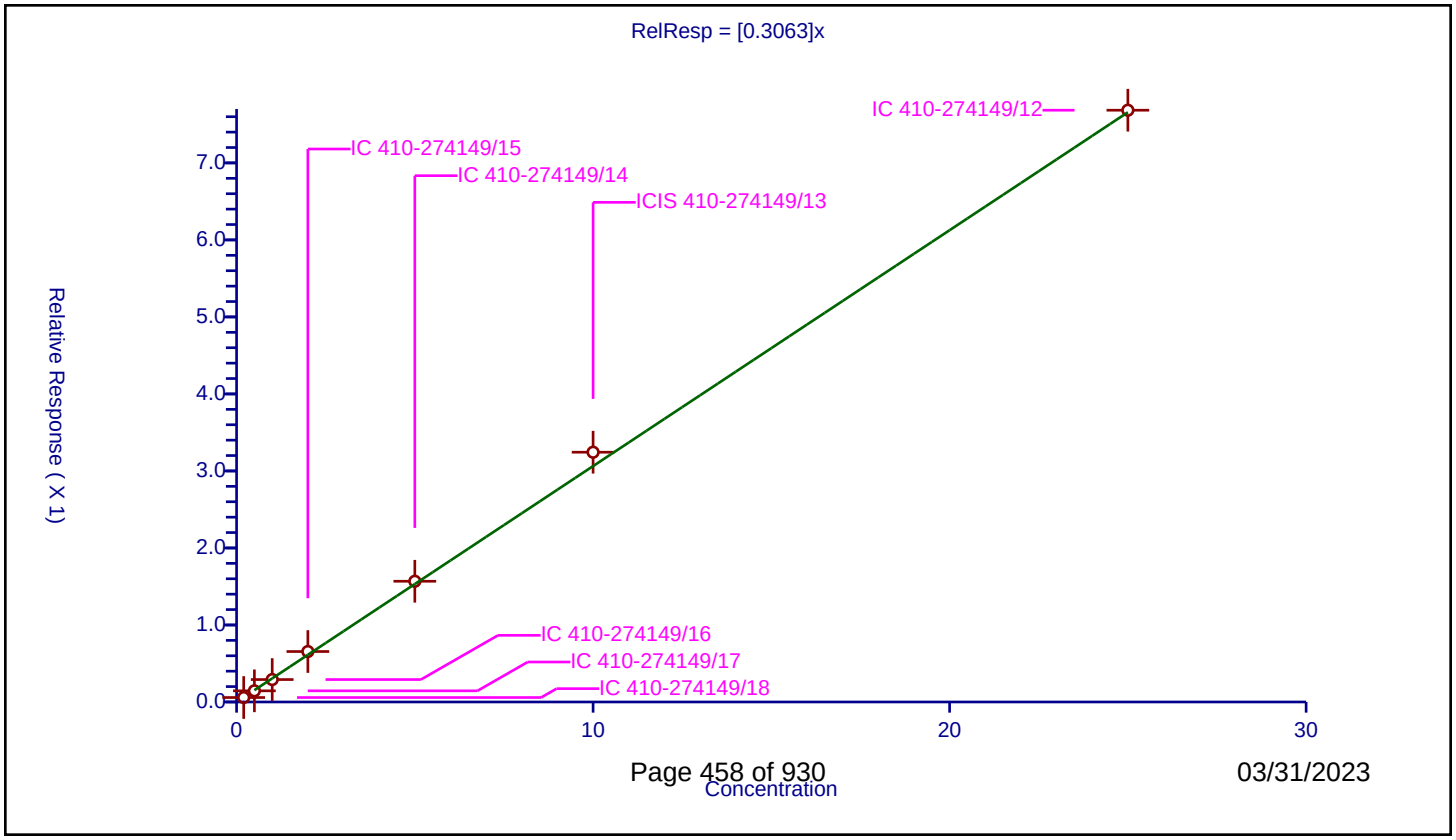
Curve Coefficients

Intercept:	0
Slope:	0.3063

Error Coefficients

Standard Error:	739000
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 410-274149/18	0.2	0.057986	10.0	2085513.0	0.289929	Y
2	IC 410-274149/17	0.5	0.144923	10.0	2031490.0	0.289846	Y
3	IC 410-274149/16	1.0	0.29154	10.0	2037557.0	0.29154	Y
4	IC 410-274149/15	2.0	0.655174	10.0	2031307.0	0.327587	Y
5	IC 410-274149/14	5.0	1.567894	10.0	2106074.0	0.313579	Y
6	ICIS 410-274149/13	10.0	3.243246	10.0	2081655.0	0.324325	Y
7	IC 410-274149/12	25.0	7.68452	10.0	2132698.0	0.307381	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

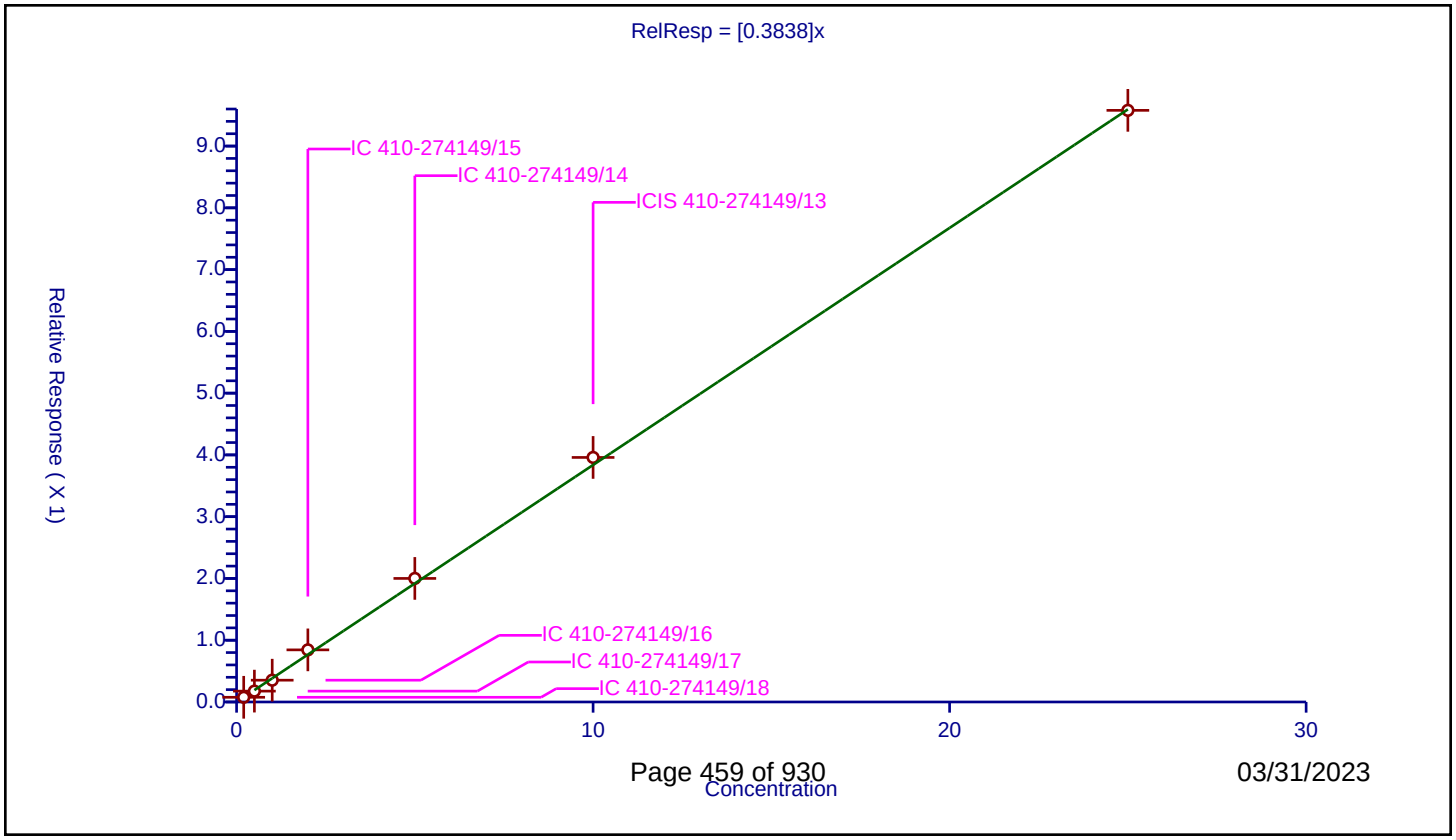
Curve Coefficients

Intercept:	0
Slope:	0.3838

Error Coefficients

Standard Error:	919000
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 410-274149/18	0.2	0.076053	10.0	2085513.0	0.380266	Y
2	IC 410-274149/17	0.5	0.176048	10.0	2031490.0	0.352096	Y
3	IC 410-274149/16	1.0	0.352982	10.0	2037557.0	0.352982	Y
4	IC 410-274149/15	2.0	0.843619	10.0	2031307.0	0.42181	Y
5	IC 410-274149/14	5.0	2.000409	10.0	2106074.0	0.400082	Y
6	ICIS 410-274149/13	10.0	3.959162	10.0	2081655.0	0.395916	Y
7	IC 410-274149/12	25.0	9.578281	10.0	2132698.0	0.383131	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

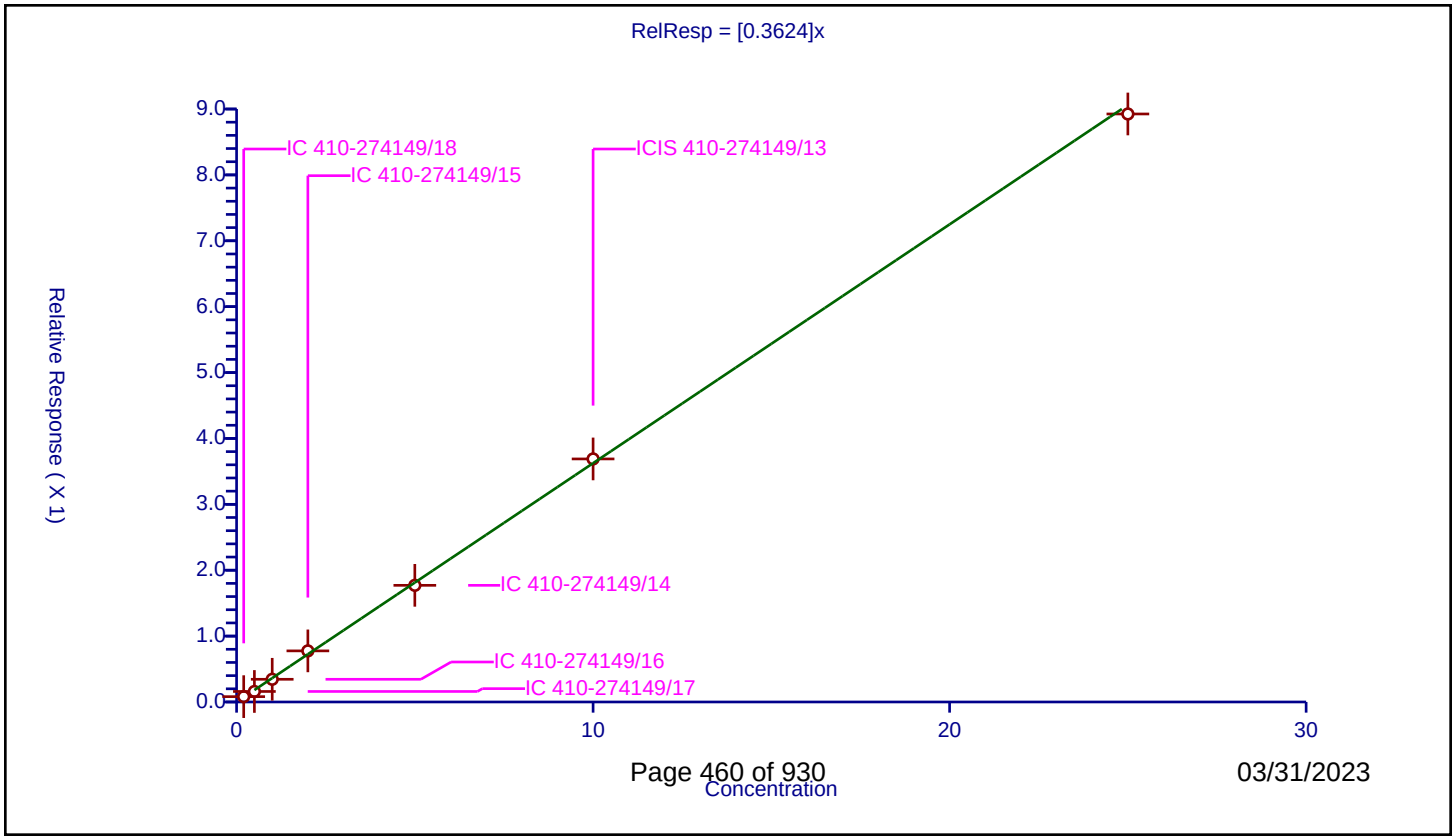
Curve Coefficients

Intercept:	0
Slope:	0.3624

Error Coefficients

Standard Error:	855000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.081093	10.0	2085513.0	0.405464	Y
2	IC 410-274149/17	0.5	0.159656	10.0	2031490.0	0.319312	Y
3	IC 410-274149/16	1.0	0.34452	10.0	2037557.0	0.34452	Y
4	IC 410-274149/15	2.0	0.775781	10.0	2031307.0	0.387891	Y
5	IC 410-274149/14	5.0	1.770337	10.0	2106074.0	0.354067	Y
6	ICIS 410-274149/13	10.0	3.689089	10.0	2081655.0	0.368909	Y
7	IC 410-274149/12	25.0	8.924663	10.0	2132698.0	0.356987	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

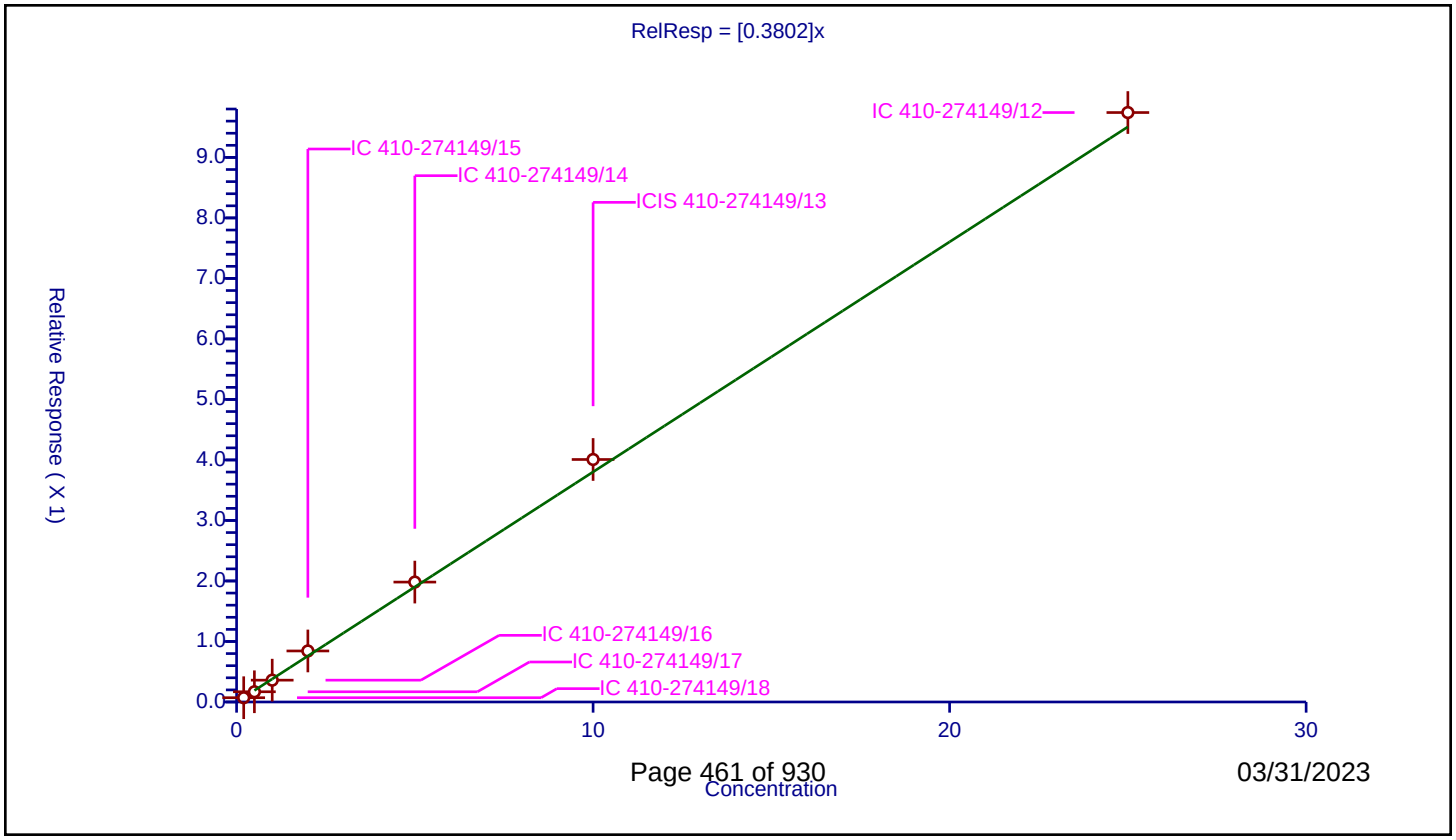
Curve Coefficients

Intercept:	0
Slope:	0.3802

Error Coefficients

Standard Error:	933000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.070884	10.0	2085513.0	0.354421	Y
2	IC 410-274149/17	0.5	0.168984	10.0	2031490.0	0.337969	Y
3	IC 410-274149/16	1.0	0.360559	10.0	2037557.0	0.360559	Y
4	IC 410-274149/15	2.0	0.843368	10.0	2031307.0	0.421684	Y
5	IC 410-274149/14	5.0	1.98182	10.0	2106074.0	0.396364	Y
6	ICIS 410-274149/13	10.0	4.007864	10.0	2081655.0	0.400786	Y
7	IC 410-274149/12	25.0	9.741675	10.0	2132698.0	0.389667	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

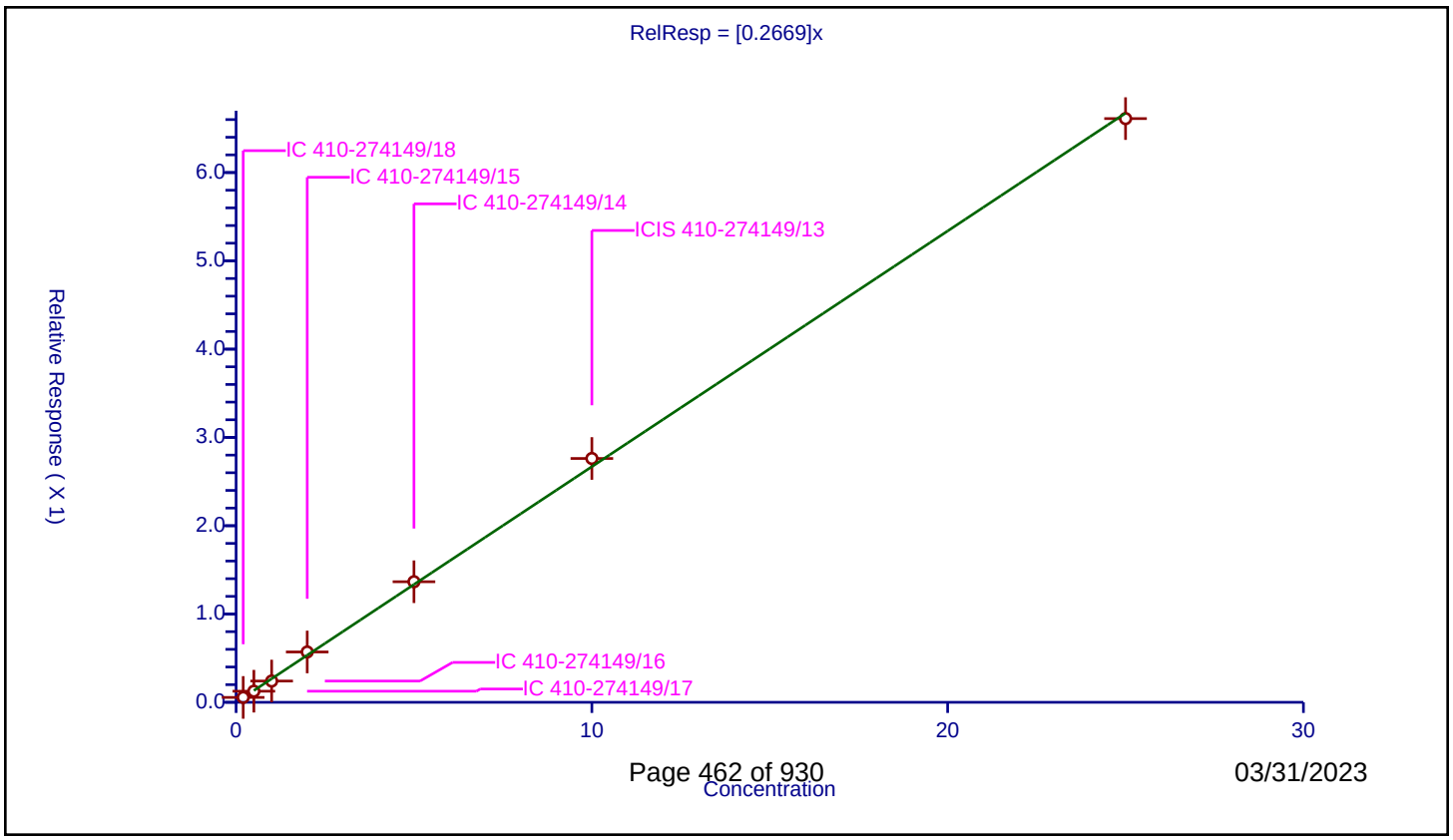
Curve Coefficients

Intercept:	0
Slope:	0.2669

Error Coefficients

Standard Error:	635000
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 410-274149/18	0.2	0.055358	10.0	2085513.0	0.27679	Y
2	IC 410-274149/17	0.5	0.125927	10.0	2031490.0	0.251855	Y
3	IC 410-274149/16	1.0	0.240867	10.0	2037557.0	0.240867	Y
4	IC 410-274149/15	2.0	0.570283	10.0	2031307.0	0.285142	Y
5	IC 410-274149/14	5.0	1.365579	10.0	2106074.0	0.273116	Y
6	ICIS 410-274149/13	10.0	2.761596	10.0	2081655.0	0.27616	Y
7	IC 410-274149/12	25.0	6.610969	10.0	2132698.0	0.264439	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

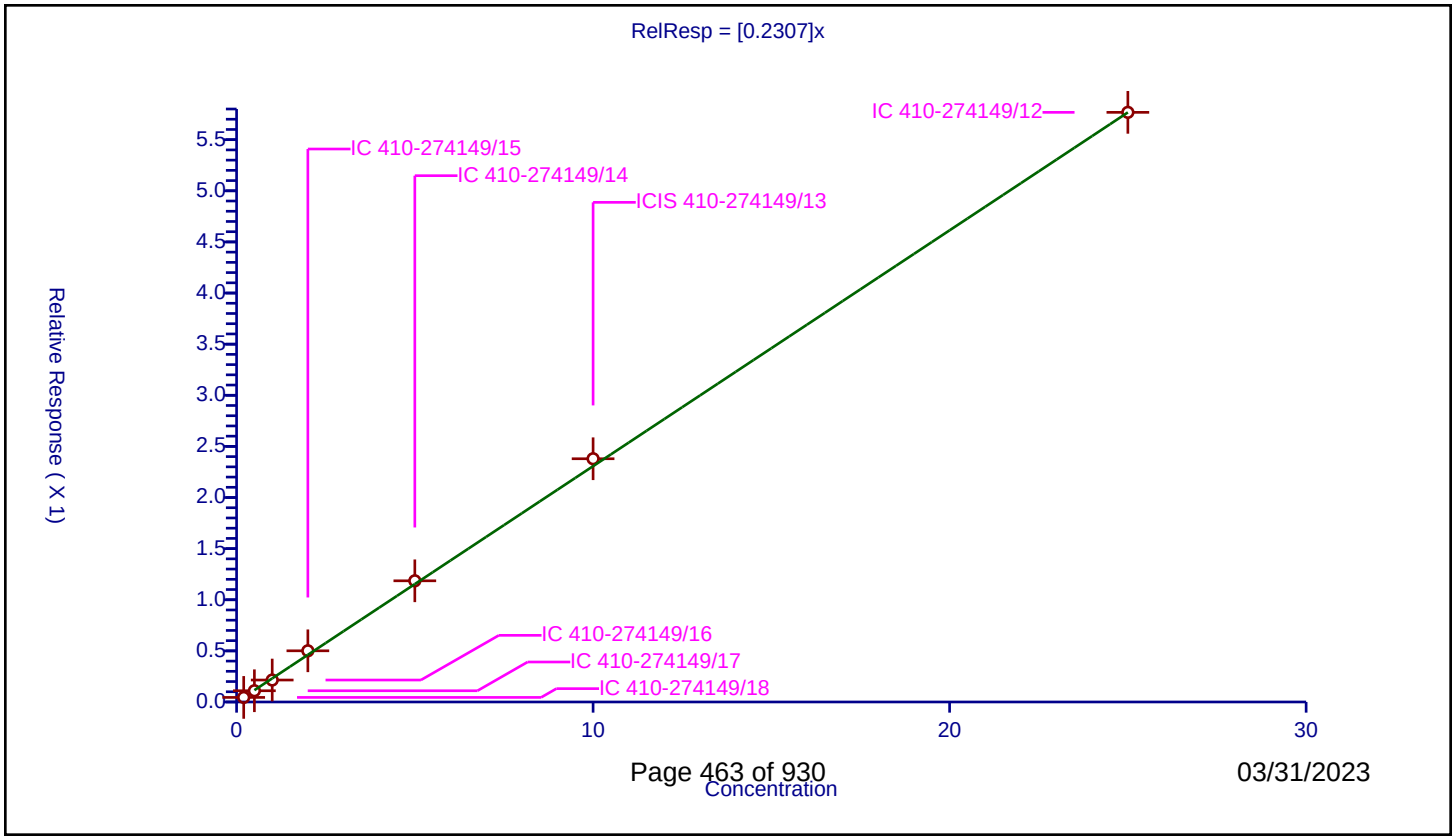
Curve Coefficients

Intercept:	0
Slope:	0.2307

Error Coefficients

Standard Error:	553000
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 410-274149/18	0.2	0.044819	10.0	2085513.0	0.224094	Y
2	IC 410-274149/17	0.5	0.10988	10.0	2031490.0	0.21976	Y
3	IC 410-274149/16	1.0	0.214806	10.0	2037557.0	0.214806	Y
4	IC 410-274149/15	2.0	0.500697	10.0	2031307.0	0.250349	Y
5	IC 410-274149/14	5.0	1.18531	10.0	2106074.0	0.237062	Y
6	ICIS 410-274149/13	10.0	2.379285	10.0	2081655.0	0.237928	Y
7	IC 410-274149/12	25.0	5.767366	10.0	2132698.0	0.230695	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

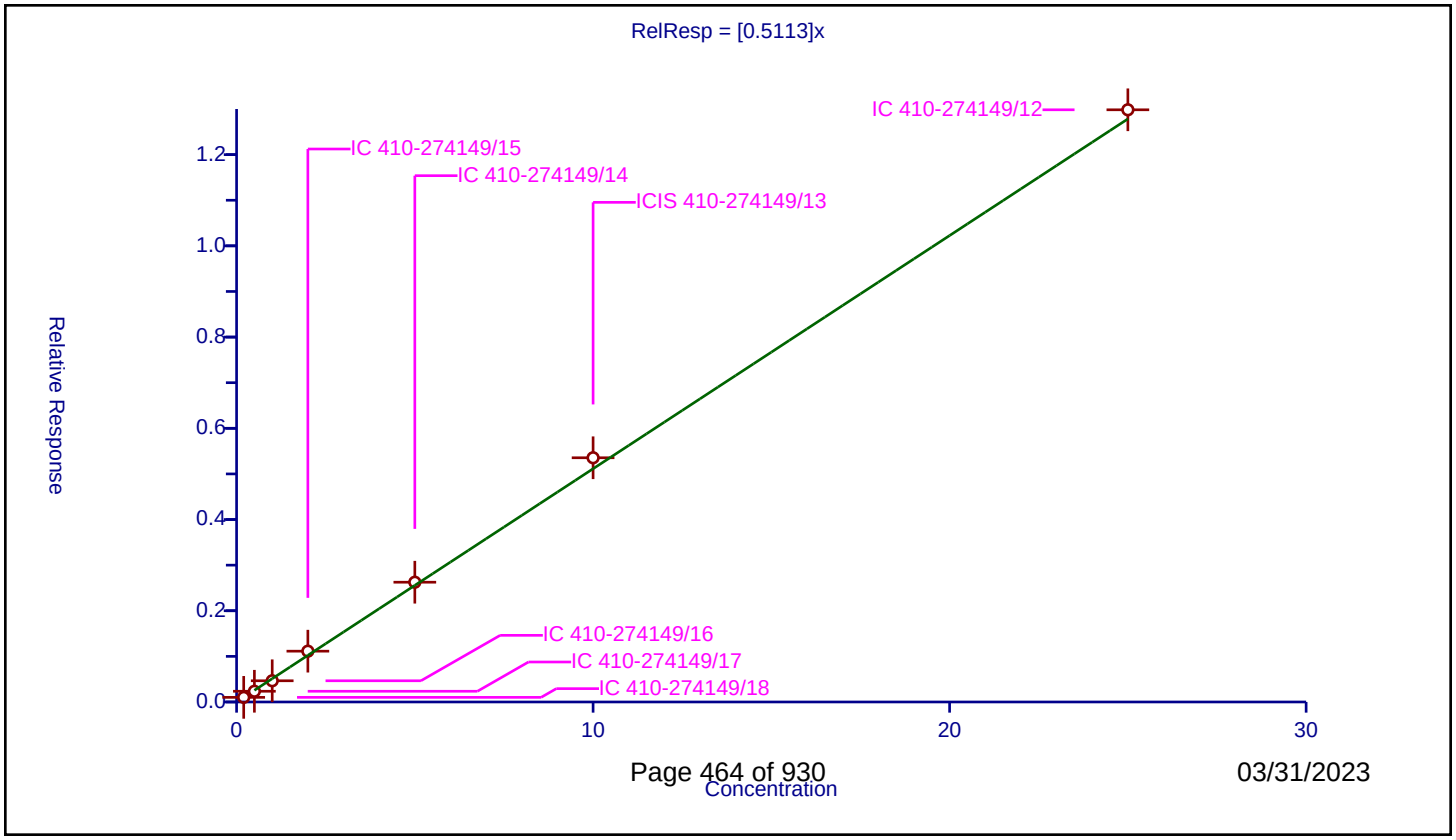
Curve Coefficients

Intercept:	0
Slope:	0.5113

Error Coefficients

Standard Error:	1240000
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 410-274149/18	0.2	0.101404	10.0	2085513.0	0.507022	Y
2	IC 410-274149/17	0.5	0.235212	10.0	2031490.0	0.470423	Y
3	IC 410-274149/16	1.0	0.464851	10.0	2037557.0	0.464851	Y
4	IC 410-274149/15	2.0	1.114032	10.0	2031307.0	0.557016	Y
5	IC 410-274149/14	5.0	2.625639	10.0	2106074.0	0.525128	Y
6	ICIS 410-274149/13	10.0	5.354173	10.0	2081655.0	0.535417	Y
7	IC 410-274149/12	25.0	12.983221	10.0	2132698.0	0.519329	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

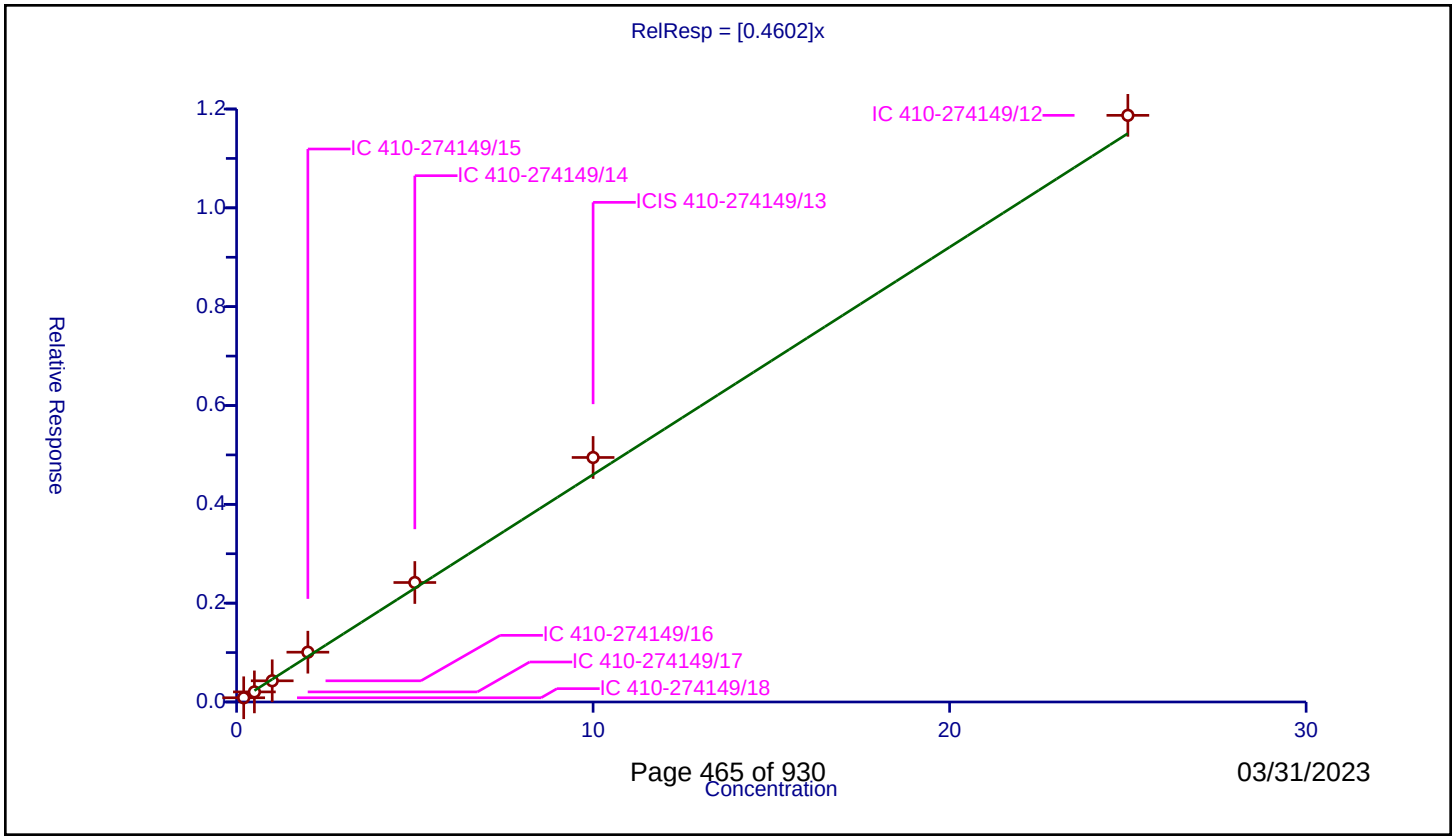
Curve Coefficients

Intercept:	0
Slope:	0.4602

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.085332	10.0	2085513.0	0.426658	Y
2	IC 410-274149/17	0.5	0.204338	10.0	2031490.0	0.408675	Y
3	IC 410-274149/16	1.0	0.428999	10.0	2037557.0	0.428999	Y
4	IC 410-274149/15	2.0	1.007947	10.0	2031307.0	0.503974	Y
5	IC 410-274149/14	5.0	2.417921	10.0	2106074.0	0.483584	Y
6	ICIS 410-274149/13	10.0	4.948077	10.0	2081655.0	0.494808	Y
7	IC 410-274149/12	25.0	11.872004	10.0	2132698.0	0.47488	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

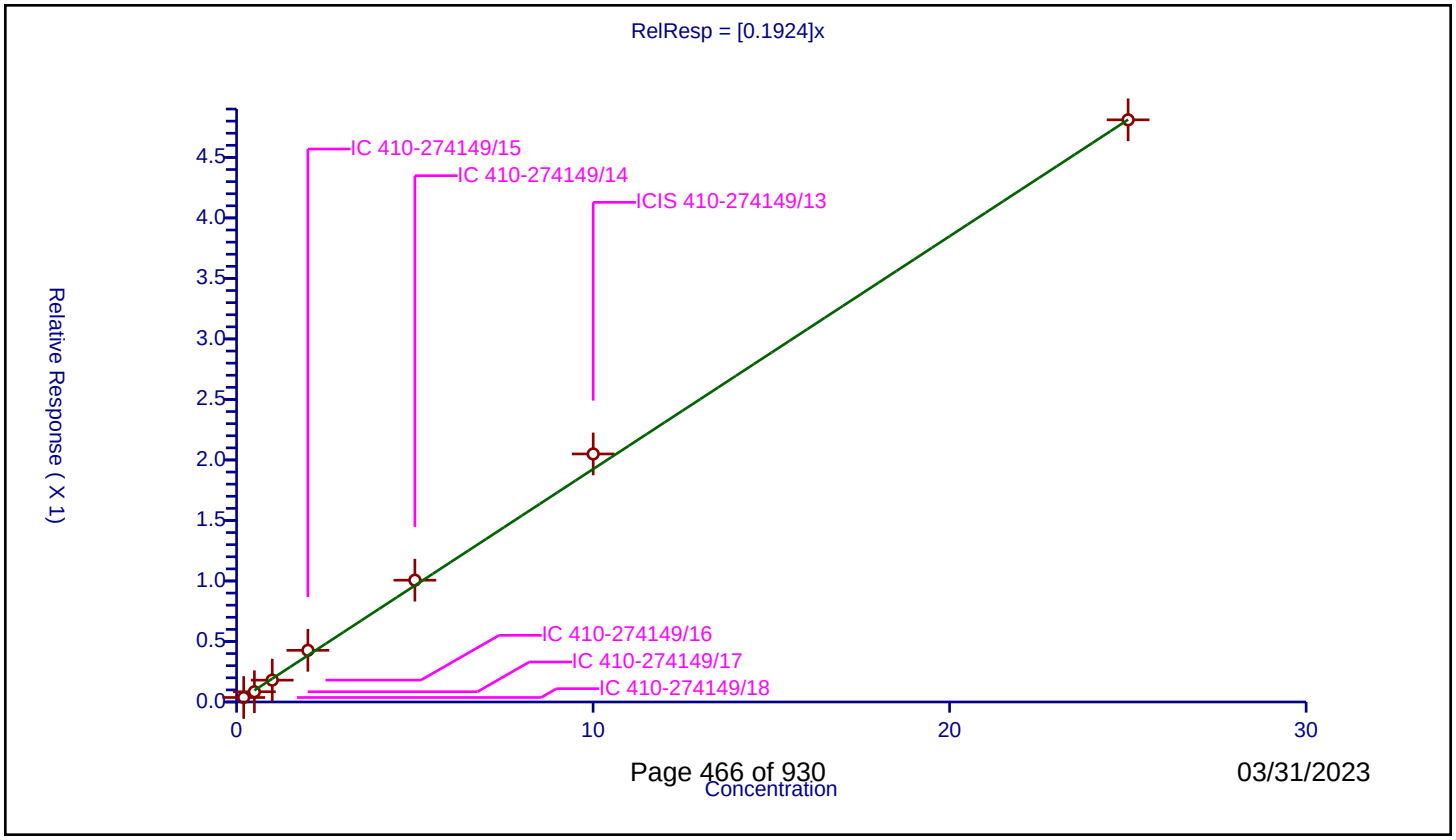
Curve Coefficients

Intercept:	0
Slope:	0.1924

Error Coefficients

Standard Error:	463000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.200057	0.037027	10.0	2085513.0	0.185081	Y
2	IC 410-274149/17	0.500143	0.08482	10.0	2031490.0	0.169591	Y
3	IC 410-274149/16	1.000286	0.18051	10.0	2037557.0	0.180459	Y
4	IC 410-274149/15	2.000572	0.426873	10.0	2031307.0	0.213375	Y
5	IC 410-274149/14	5.00143	1.006536	10.0	2106074.0	0.20125	Y
6	ICIS 410-274149/13	10.00286	2.049581	10.0	2081655.0	0.204899	Y
7	IC 410-274149/12	25.00715	4.81069	10.0	2132698.0	0.192373	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

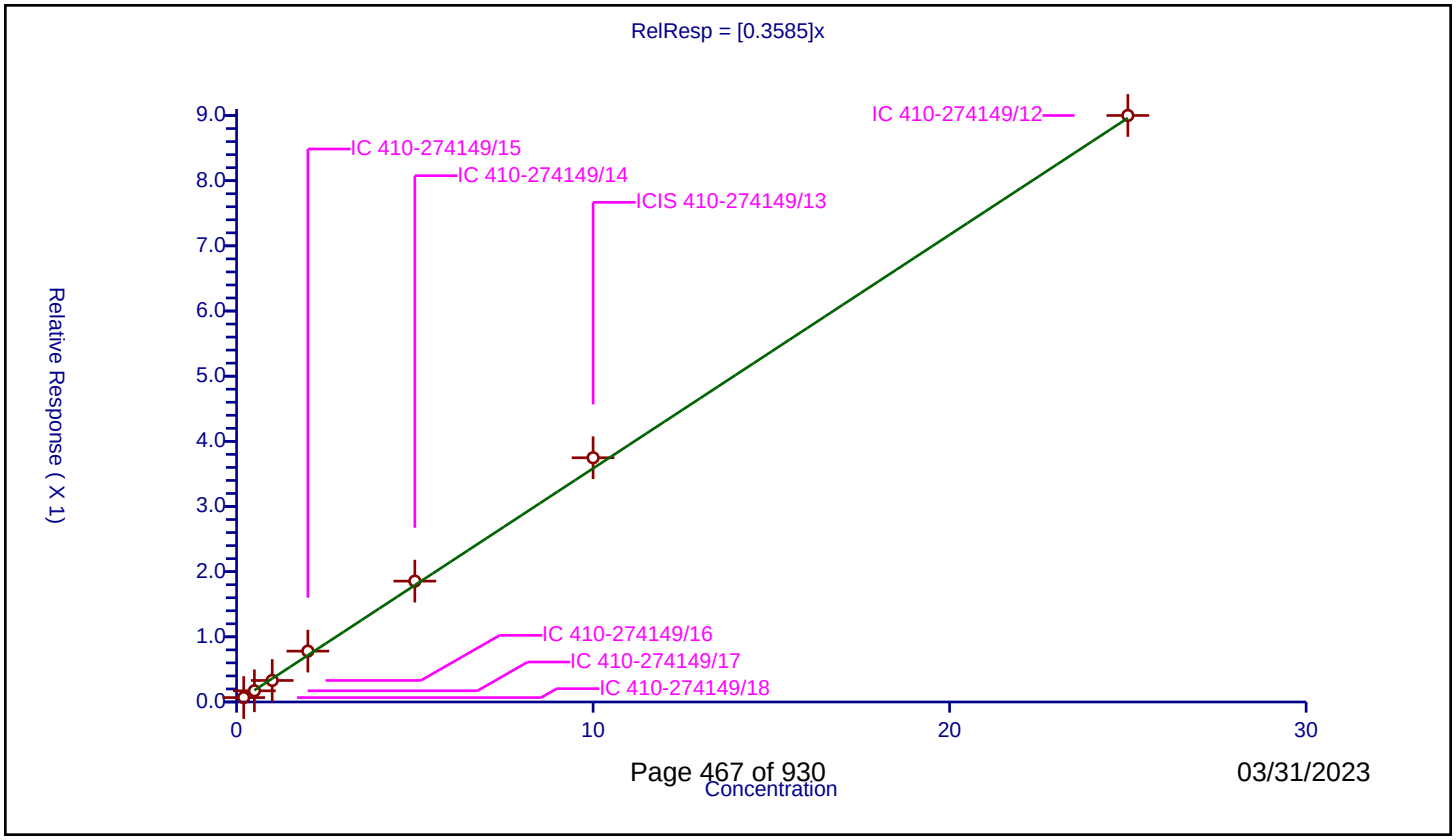
Curve Coefficients

Intercept:	0
Slope:	0.3585

Error Coefficients

Standard Error:	864000
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 410-274149/18	0.2	0.067705	10.0	2085513.0	0.338526	Y
2	IC 410-274149/17	0.5	0.172169	10.0	2031490.0	0.344338	Y
3	IC 410-274149/16	1.0	0.330484	10.0	2037557.0	0.330484	Y
4	IC 410-274149/15	2.0	0.780497	10.0	2031307.0	0.390249	Y
5	IC 410-274149/14	5.0	1.854968	10.0	2106074.0	0.370994	Y
6	ICIS 410-274149/13	10.0	3.748075	10.0	2081655.0	0.374808	Y
7	IC 410-274149/12	25.0	9.00096	10.0	2132698.0	0.360038	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

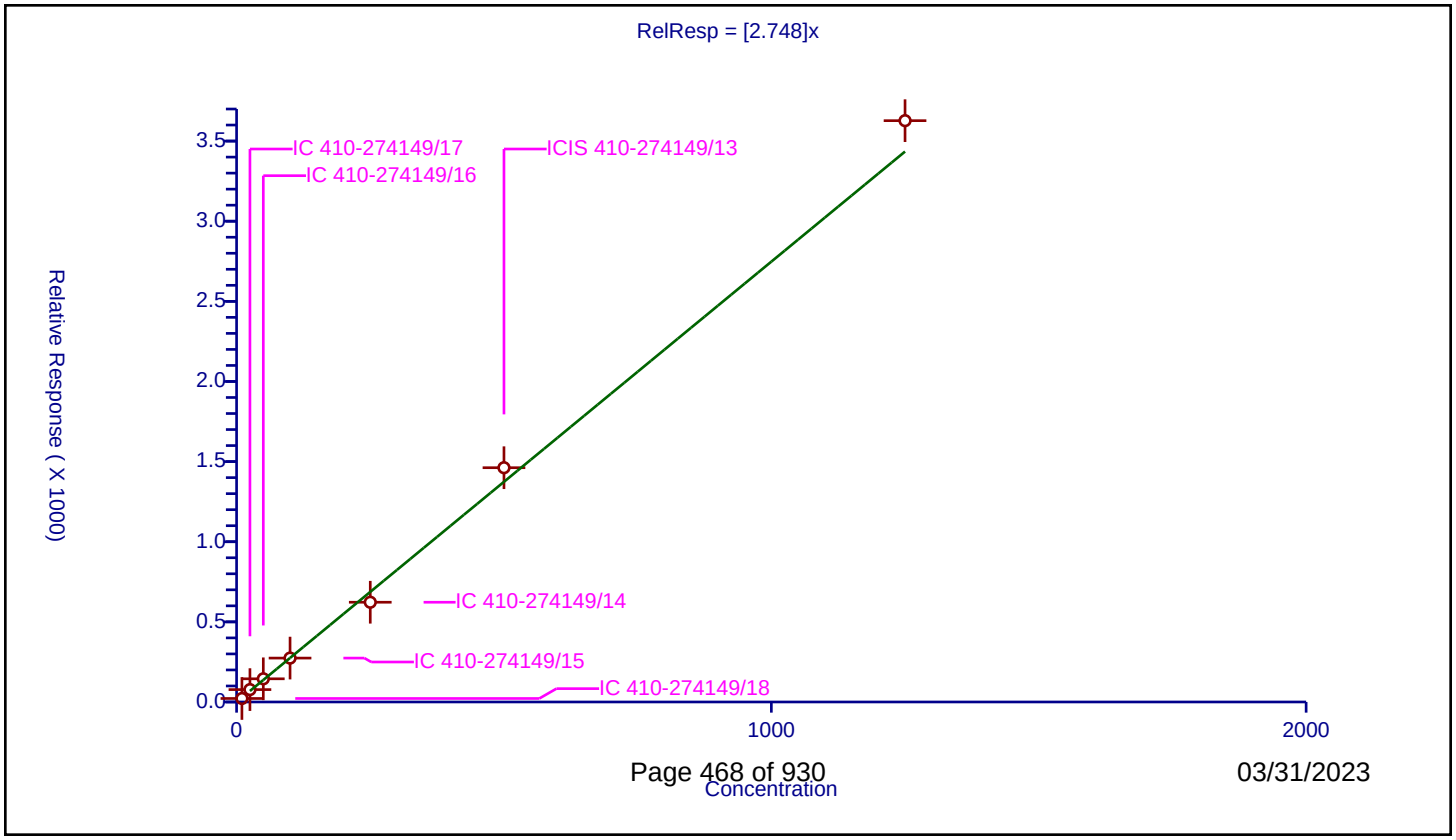
Curve Coefficients

Intercept:	0
Slope:	2.748

Error Coefficients

Standard Error:	3180000
Relative Standard Error:	11.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	10.000019	21.9246	50.0	127772.0	2.192456	Y
2	IC 410-274149/17	25.000046	77.33097	50.0	81790.0	3.093233	Y
3	IC 410-274149/16	50.000093	144.617876	50.0	87066.0	2.892352	Y
4	IC 410-274149/15	100.000185	274.027753	50.0	107663.0	2.740272	Y
5	IC 410-274149/14	250.000463	622.425708	50.0	120975.0	2.489698	Y
6	ICIS 410-274149/13	500.000926	1461.841768	50.0	101370.0	2.923678	Y
7	IC 410-274149/12	1250.002314	3627.277049	50.0	96770.0	2.901816	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

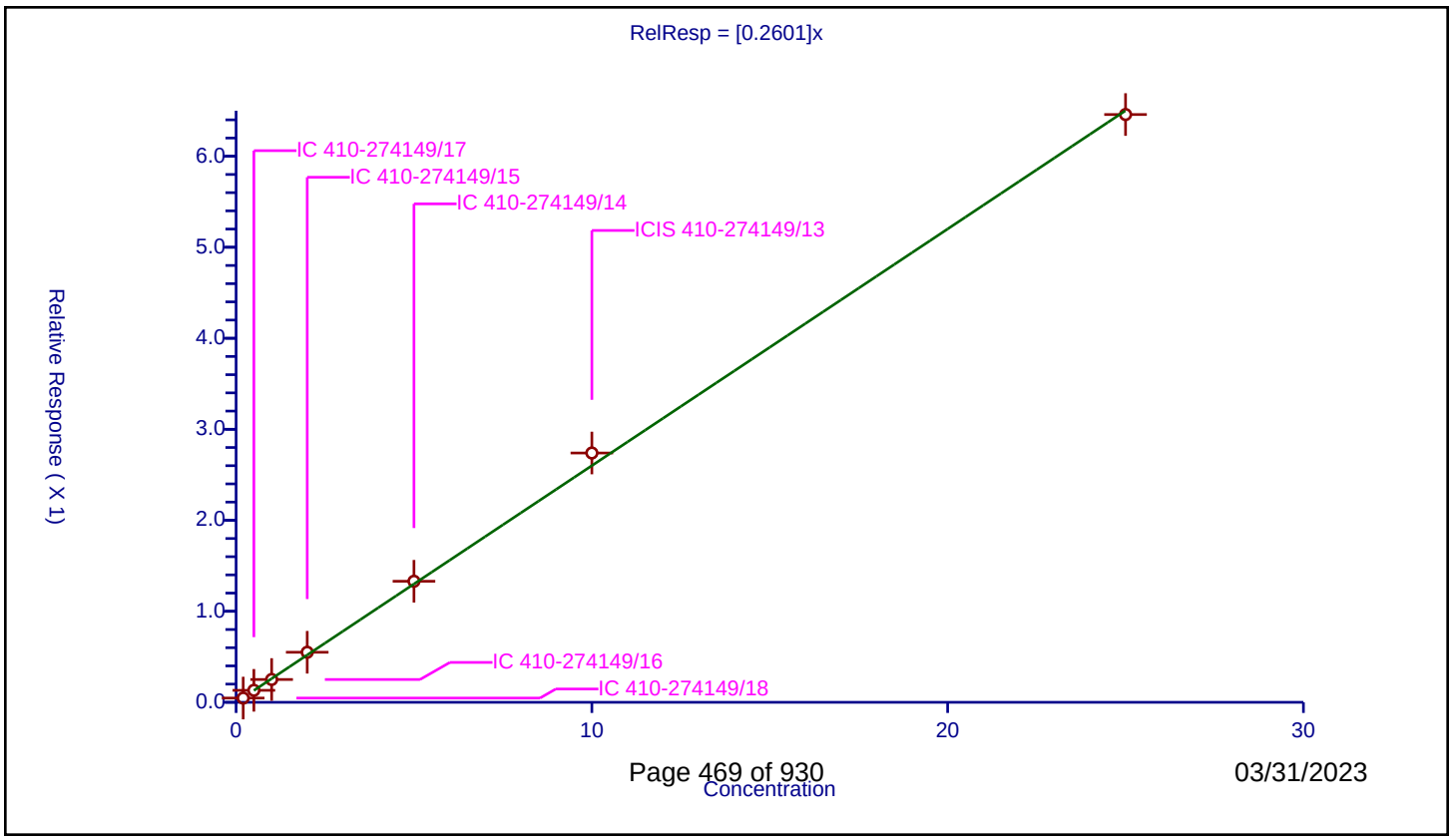
Curve Coefficients

Intercept:	0
Slope:	0.2601

Error Coefficients

Standard Error:	621000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.046578	10.0	2085513.0	0.232892	Y
2	IC 410-274149/17	0.5	0.131815	10.0	2031490.0	0.263629	Y
3	IC 410-274149/16	1.0	0.25053	10.0	2037557.0	0.25053	Y
4	IC 410-274149/15	2.0	0.549971	10.0	2031307.0	0.274986	Y
5	IC 410-274149/14	5.0	1.330167	10.0	2106074.0	0.266033	Y
6	ICIS 410-274149/13	10.0	2.739513	10.0	2081655.0	0.273951	Y
7	IC 410-274149/12	25.0	6.458617	10.0	2132698.0	0.258345	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

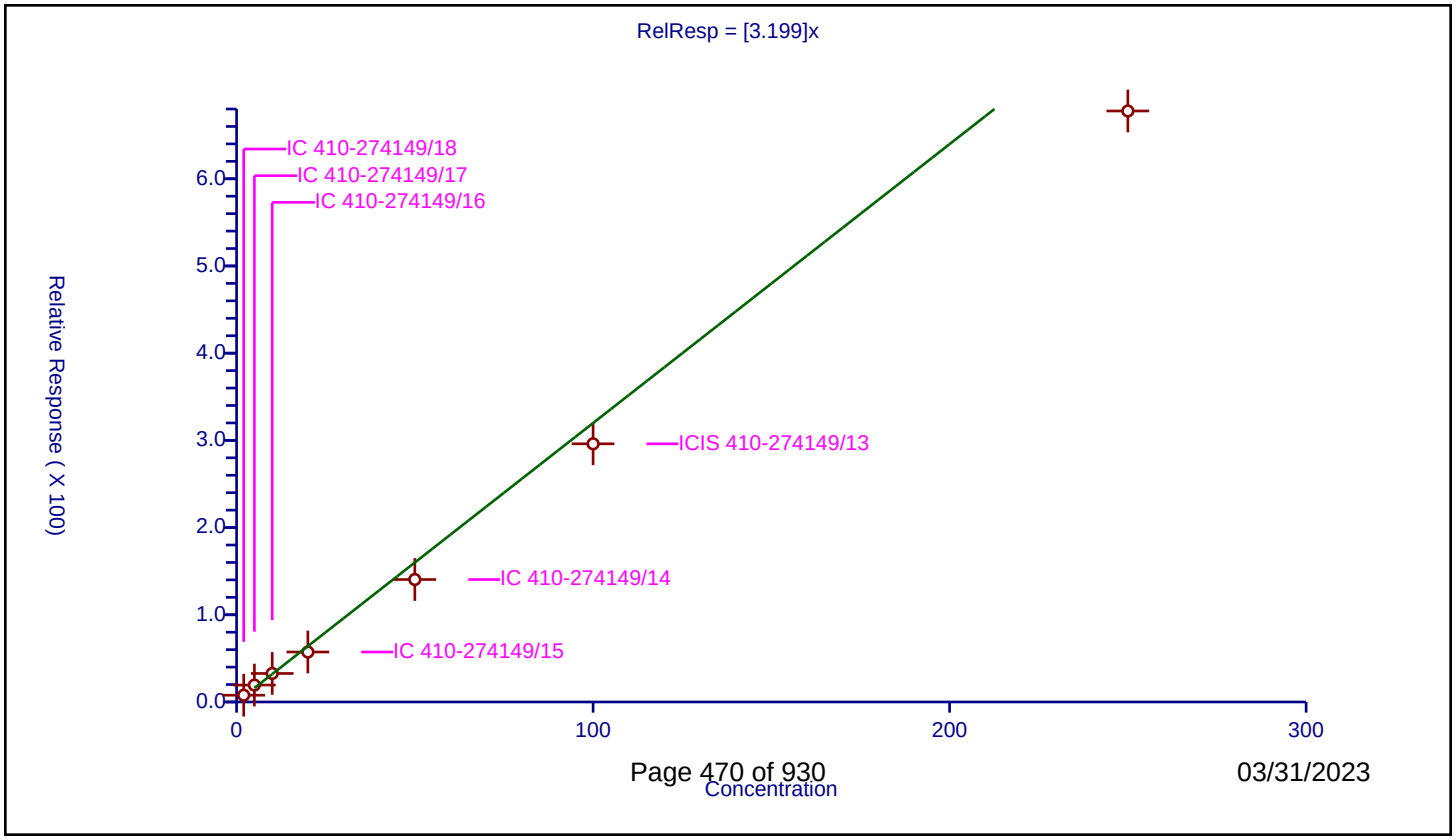
Curve Coefficients

Intercept:	0
Slope:	3.199

Error Coefficients

Standard Error:	607000
Relative Standard Error:	15.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.960

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	2.0	7.784178	50.0	127772.0	3.892089	Y
2	IC 410-274149/17	5.0	19.409463	50.0	81790.0	3.881893	Y
3	IC 410-274149/16	10.0	32.72058	50.0	87066.0	3.272058	Y
4	IC 410-274149/15	20.0	57.308918	50.0	107663.0	2.865446	Y
5	IC 410-274149/14	50.0	140.437694	50.0	120975.0	2.808754	Y
6	ICIS 410-274149/13	100.0	296.051593	50.0	101370.0	2.960516	Y
7	IC 410-274149/12	250.0	677.725018	50.0	96770.0	2.7109	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

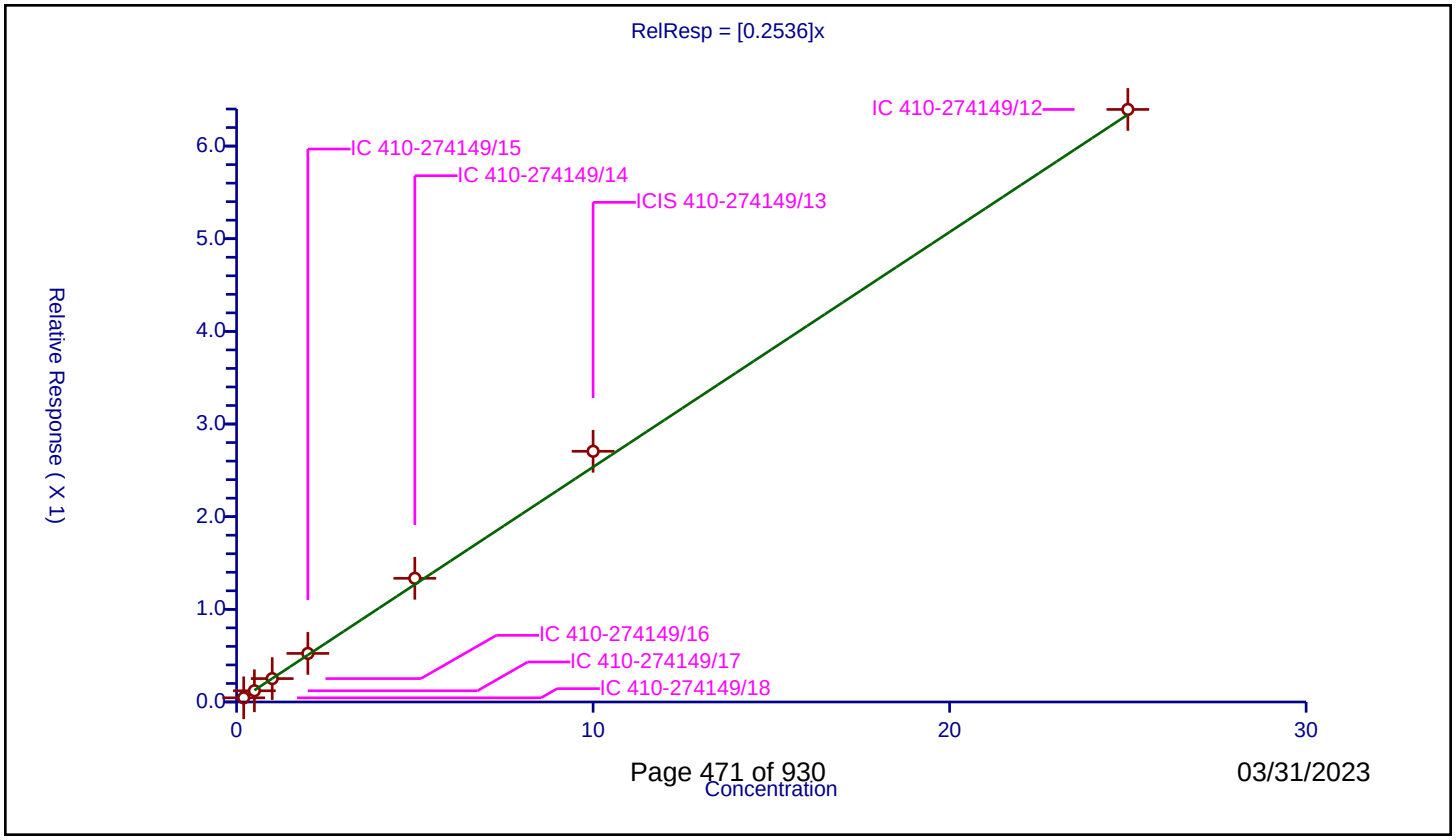
Curve Coefficients

Intercept:	0
Slope:	0.2536

Error Coefficients

Standard Error:	615000
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 410-274149/18	0.2	0.045001	10.0	2085513.0	0.225005	Y
2	IC 410-274149/17	0.5	0.121098	10.0	2031490.0	0.242197	Y
3	IC 410-274149/16	1.0	0.252503	10.0	2037557.0	0.252503	Y
4	IC 410-274149/15	2.0	0.524239	10.0	2031307.0	0.262119	Y
5	IC 410-274149/14	5.0	1.33502	10.0	2106074.0	0.267004	Y
6	ICIS 410-274149/13	10.0	2.705953	10.0	2081655.0	0.270595	Y
7	IC 410-274149/12	25.0	6.395345	10.0	2132698.0	0.255814	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

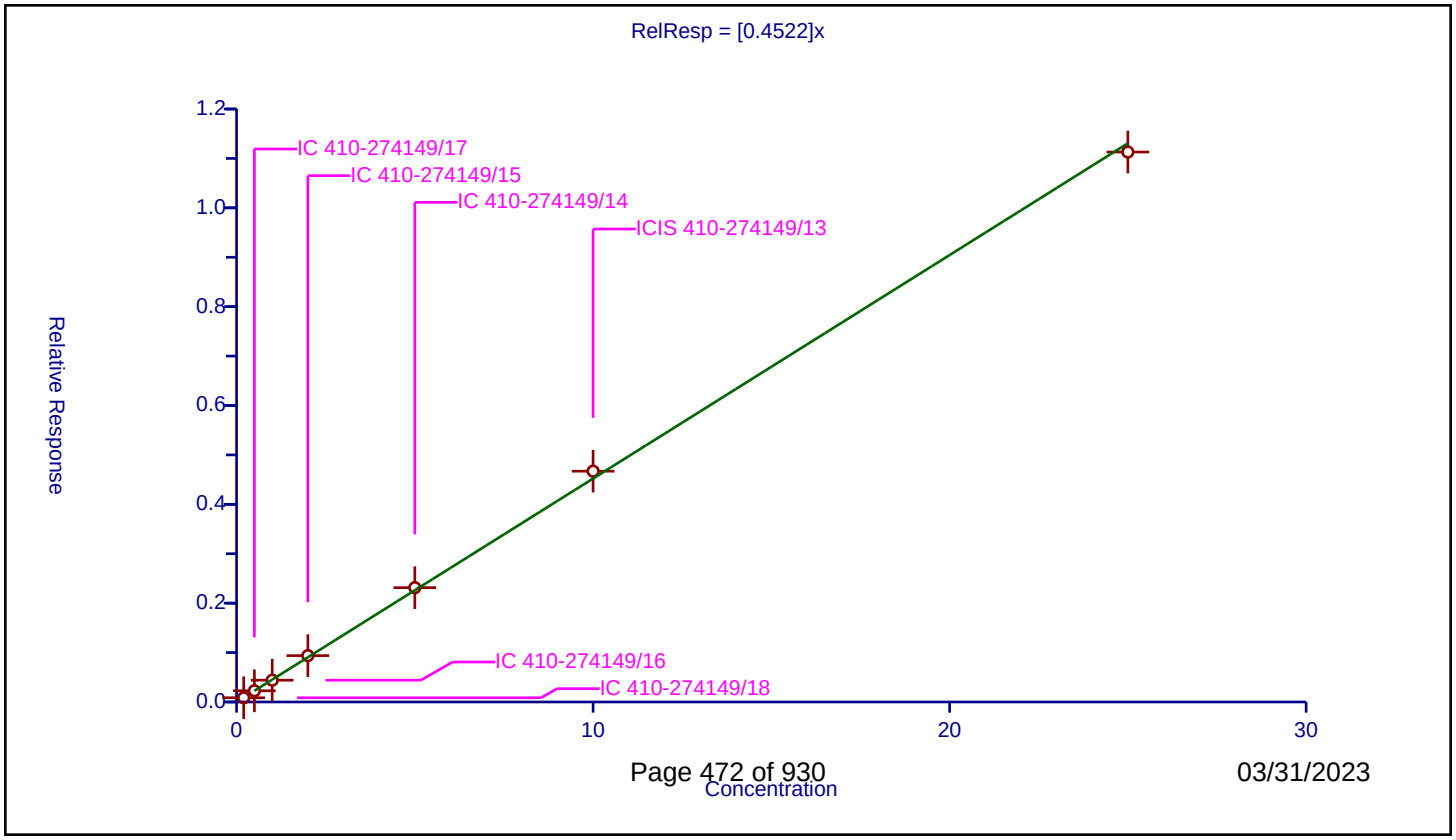
Curve Coefficients

Intercept:	0
Slope:	0.4522

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.085264	10.0	2085513.0	0.426322	Y
2	IC 410-274149/17	0.5	0.226873	10.0	2031490.0	0.453746	Y
3	IC 410-274149/16	1.0	0.441382	10.0	2037557.0	0.441382	Y
4	IC 410-274149/15	2.0	0.938263	10.0	2031307.0	0.469131	Y
5	IC 410-274149/14	5.0	2.313774	10.0	2106074.0	0.462755	Y
6	ICIS 410-274149/13	10.0	4.670822	10.0	2081655.0	0.467082	Y
7	IC 410-274149/12	25.0	11.129565	10.0	2132698.0	0.445183	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

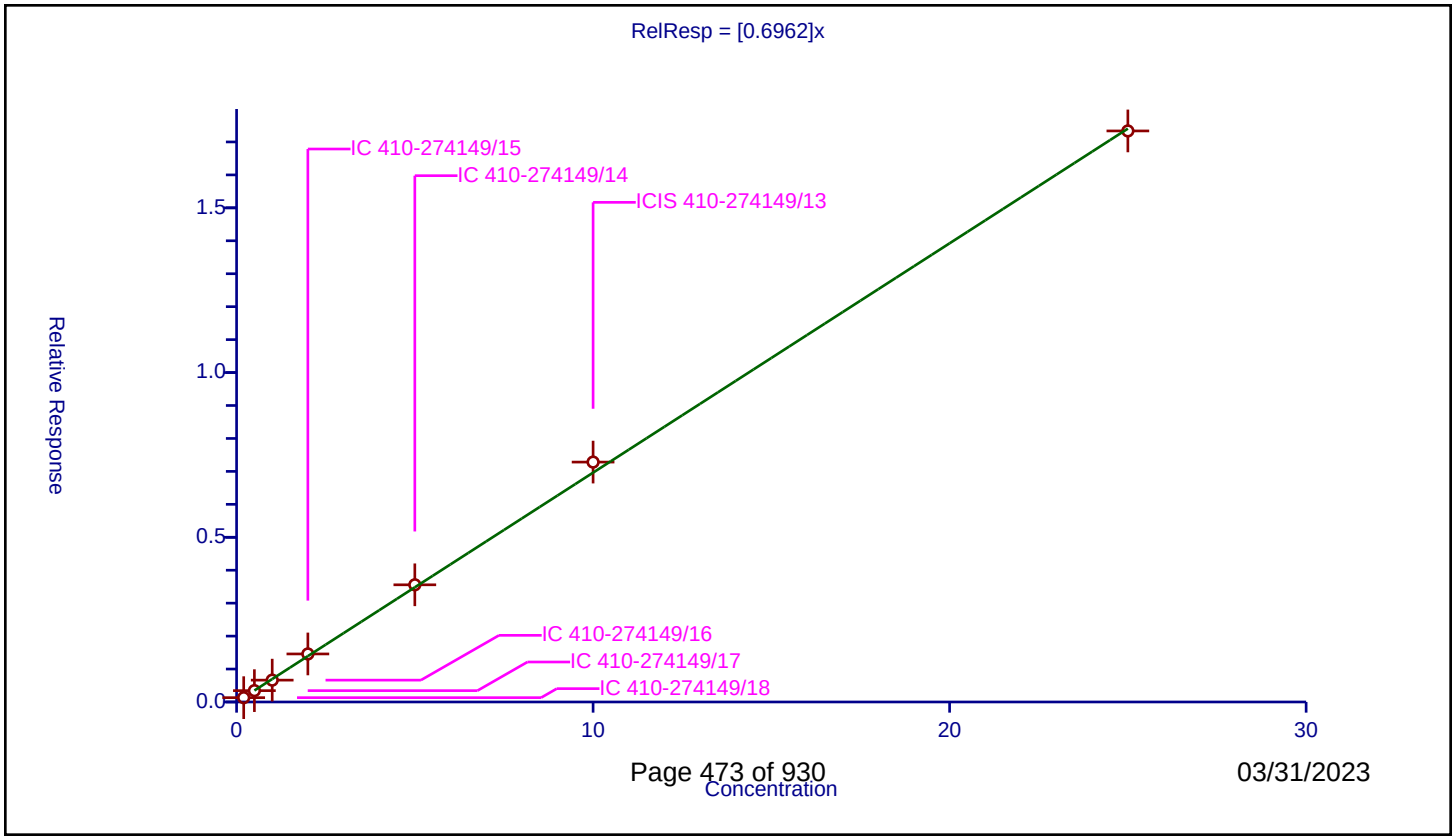
Curve Coefficients

Intercept:	0
Slope:	0.6962

Error Coefficients

Standard Error:	1670000
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 410-274149/18	0.2	0.131833	10.0	2085513.0	0.659166	Y
2	IC 410-274149/17	0.5	0.344058	10.0	2031490.0	0.688116	Y
3	IC 410-274149/16	1.0	0.663633	10.0	2037557.0	0.663633	Y
4	IC 410-274149/15	2.0	1.458445	10.0	2031307.0	0.729223	Y
5	IC 410-274149/14	5.0	3.557373	10.0	2106074.0	0.711475	Y
6	ICIS 410-274149/13	10.0	7.282432	10.0	2081655.0	0.728243	Y
7	IC 410-274149/12	25.0	17.334447	10.0	2132698.0	0.693378	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

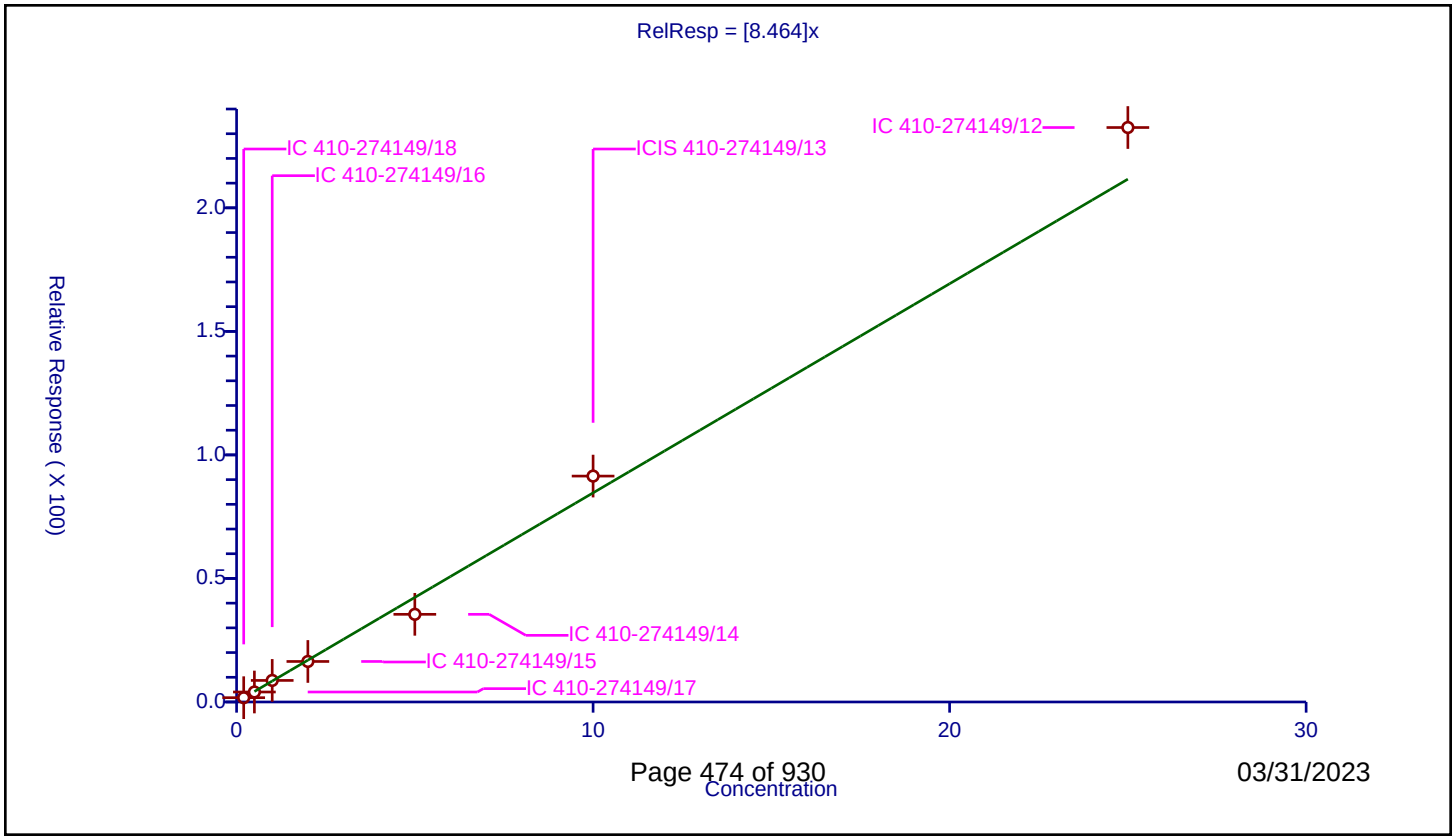
Curve Coefficients

Intercept:	0
Slope:	8.464

Error Coefficients

Standard Error:	202000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	1.740992	50.0	127772.0	8.704959	Y
2	IC 410-274149/17	0.5	4.03778	50.0	81790.0	8.075559	Y
3	IC 410-274149/16	1.0	8.729584	50.0	87066.0	8.729584	Y
4	IC 410-274149/15	2.0	16.401178	50.0	107663.0	8.200589	Y
5	IC 410-274149/14	5.0	35.484191	50.0	120975.0	7.096838	Y
6	ICIS 410-274149/13	10.0	91.432376	50.0	101370.0	9.143238	Y
7	IC 410-274149/12	25.0	232.511626	50.0	96770.0	9.300465	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

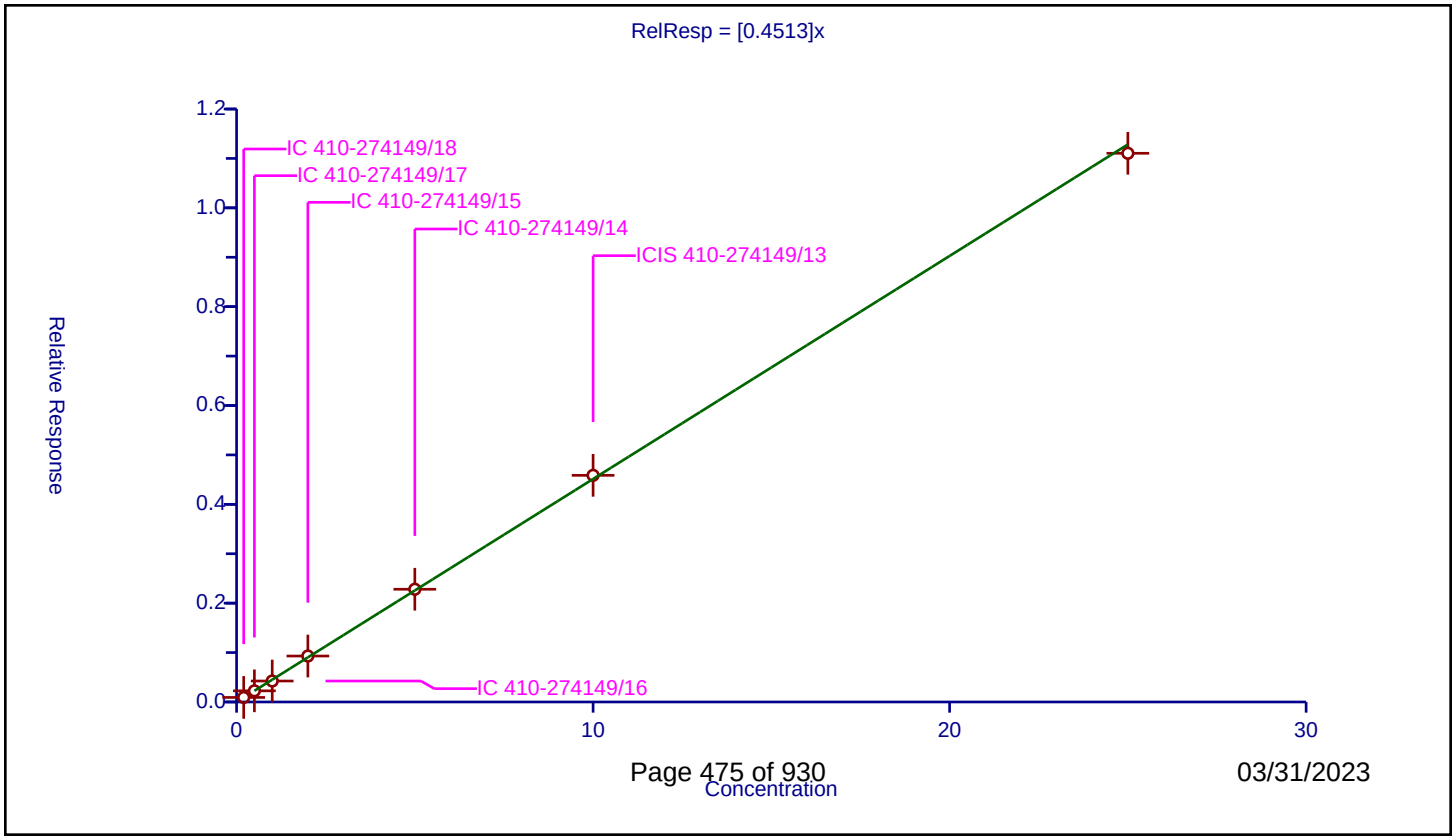
Curve Coefficients

Intercept:	0
Slope:	0.4513

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	3.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.091771	10.0	2085513.0	0.458856	Y
2	IC 410-274149/17	0.5	0.225716	10.0	2031490.0	0.451432	Y
3	IC 410-274149/16	1.0	0.424597	10.0	2037557.0	0.424597	Y
4	IC 410-274149/15	2.0	0.930342	10.0	2031307.0	0.465171	Y
5	IC 410-274149/14	5.0	2.281373	10.0	2106074.0	0.456275	Y
6	ICIS 410-274149/13	10.0	4.586994	10.0	2081655.0	0.458699	Y
7	IC 410-274149/12	25.0	11.103977	10.0	2132698.0	0.444159	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

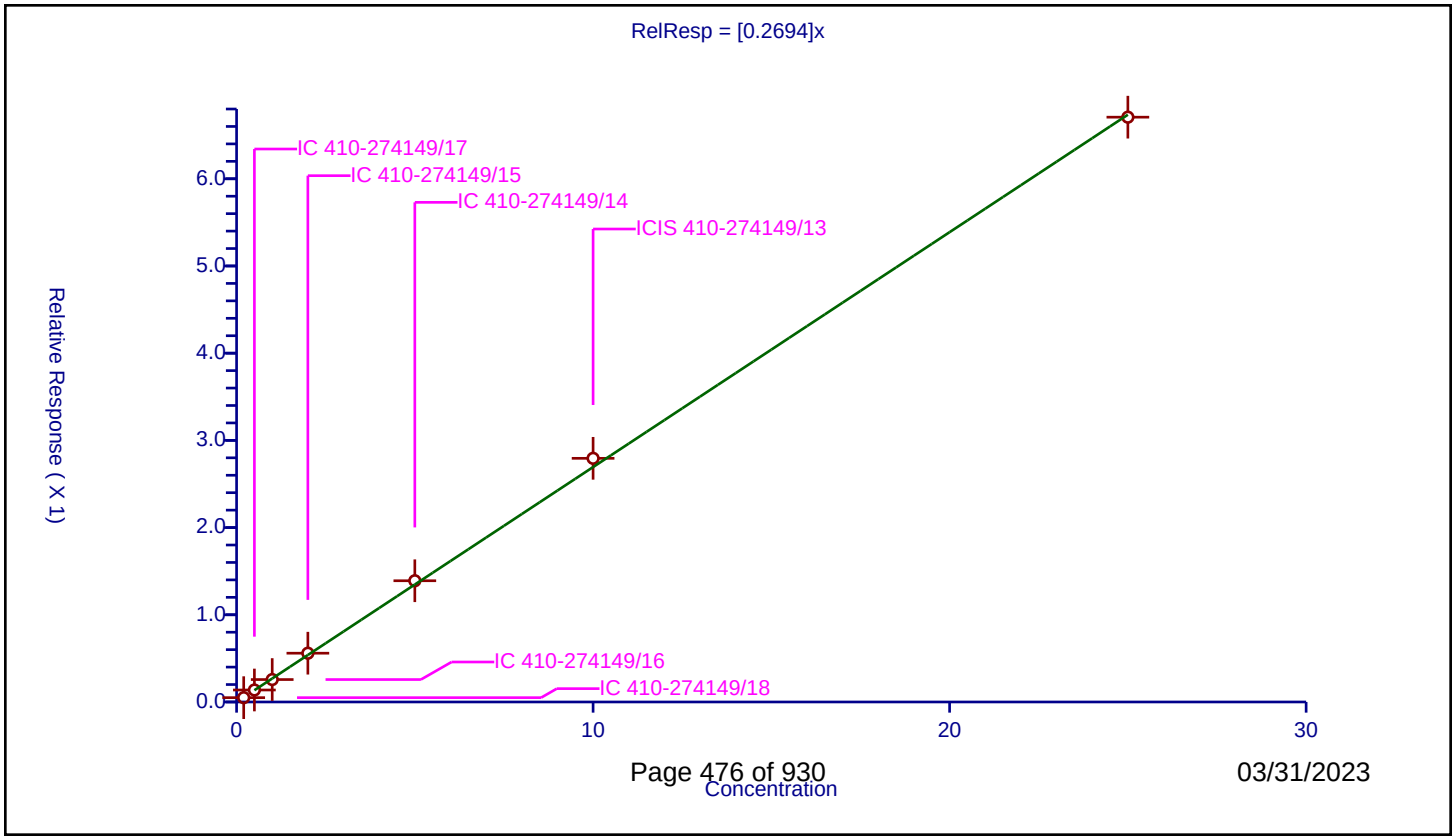
Curve Coefficients

Intercept:	0
Slope:	0.2694

Error Coefficients

Standard Error:	644000
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 410-274149/18	0.2	0.049628	10.0	2085513.0	0.24814	Y
2	IC 410-274149/17	0.5	0.137436	10.0	2031490.0	0.274872	Y
3	IC 410-274149/16	1.0	0.25722	10.0	2037557.0	0.25722	Y
4	IC 410-274149/15	2.0	0.559448	10.0	2031307.0	0.279724	Y
5	IC 410-274149/14	5.0	1.390241	10.0	2106074.0	0.278048	Y
6	ICIS 410-274149/13	10.0	2.794233	10.0	2081655.0	0.279423	Y
7	IC 410-274149/12	25.0	6.706378	10.0	2132698.0	0.268255	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

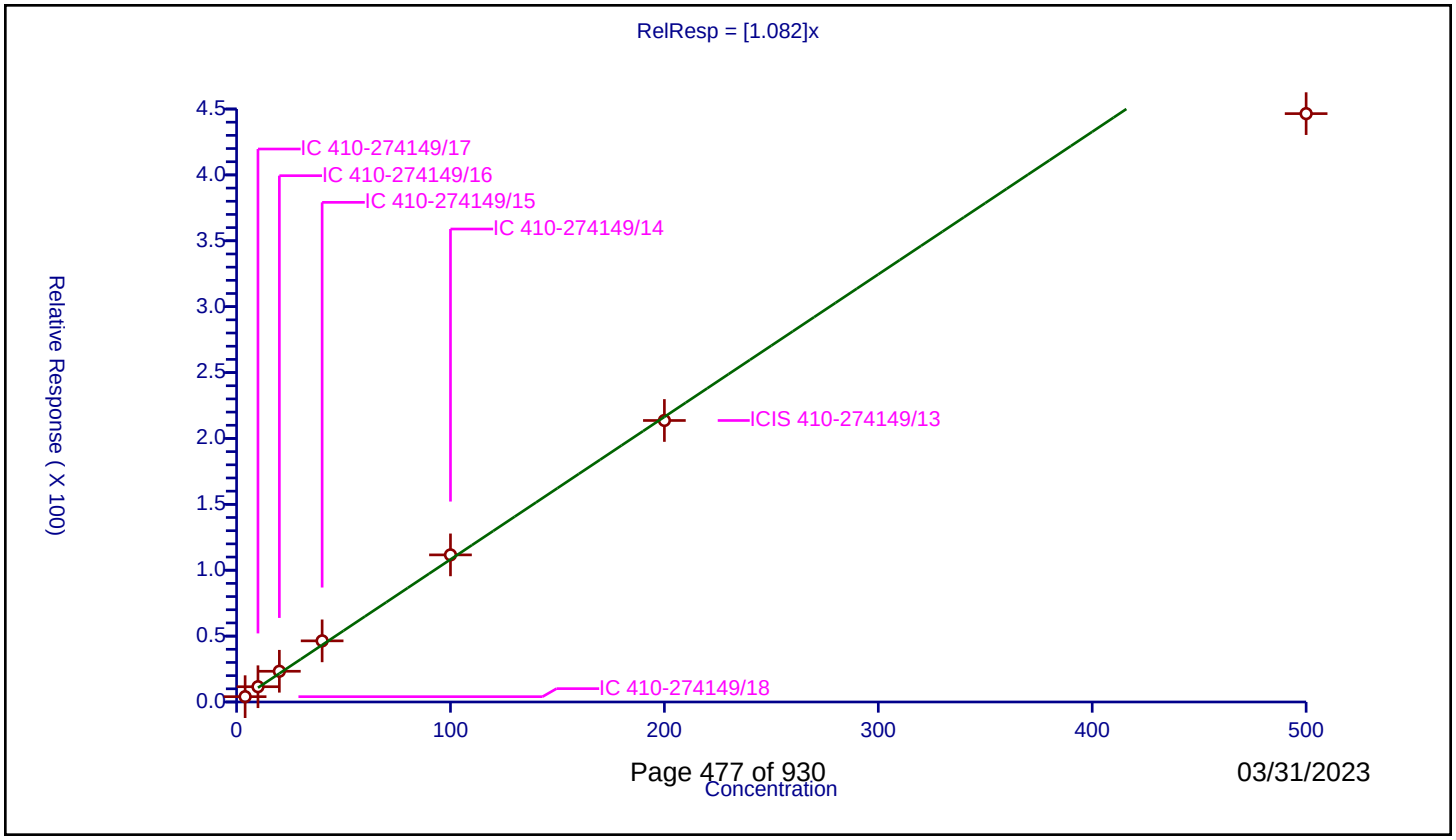
Curve Coefficients

Intercept:	0
Slope:	1.082

Error Coefficients

Standard Error:	412000
Relative Standard Error:	9.4
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	4.0	4.038443	50.0	127772.0	1.009611	Y
2	IC 410-274149/17	10.0	11.594938	50.0	81790.0	1.159494	Y
3	IC 410-274149/16	20.0	23.32426	50.0	87066.0	1.166213	Y
4	IC 410-274149/15	40.0	46.395233	50.0	107663.0	1.159881	Y
5	IC 410-274149/14	100.0	111.628849	50.0	120975.0	1.116288	Y
6	ICIS 410-274149/13	200.0	213.632732	50.0	101370.0	1.068164	Y
7	IC 410-274149/12	500.0	446.490131	50.0	96770.0	0.89298	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

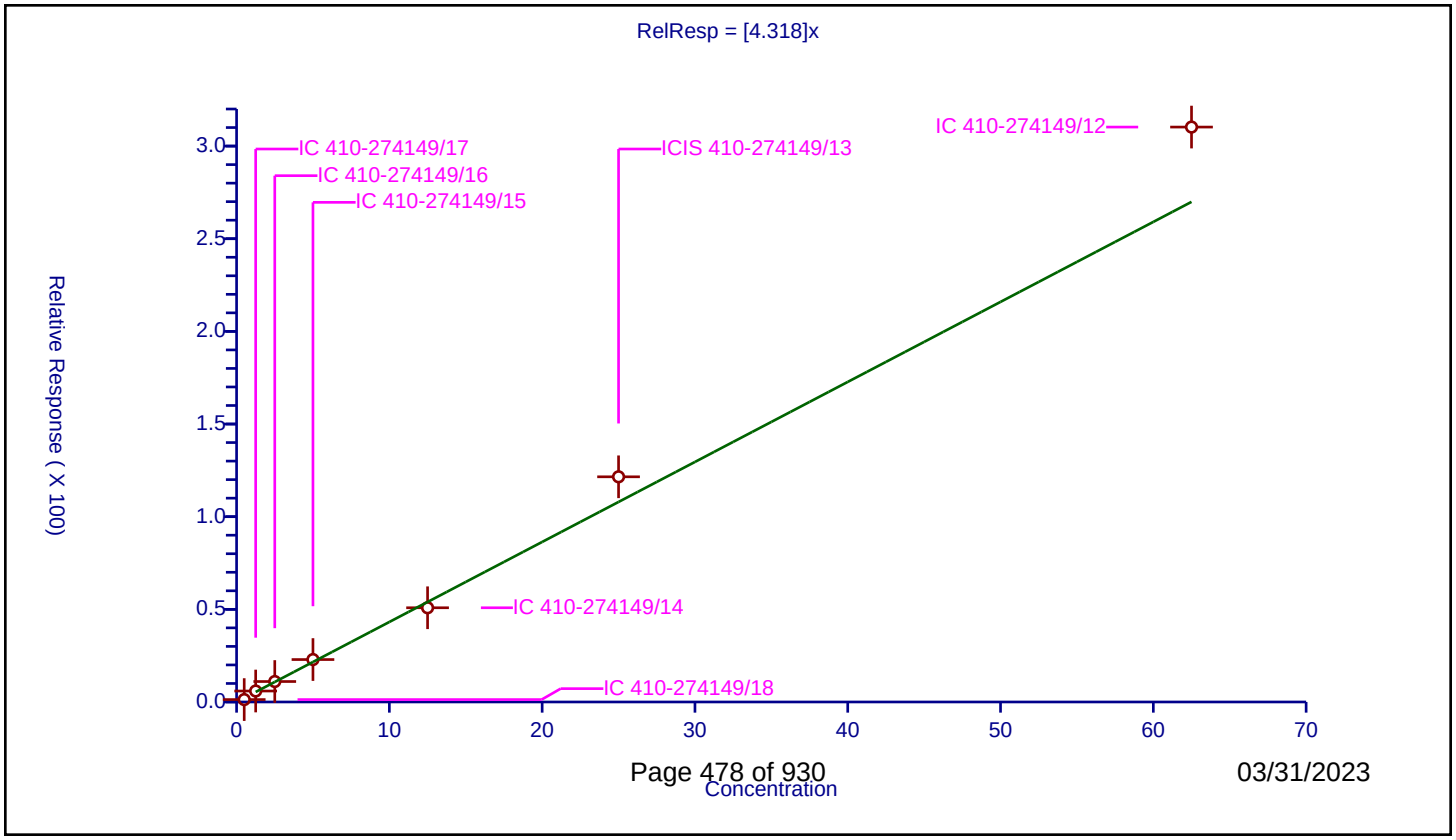
Curve Coefficients

Intercept:	0
Slope:	4.318

Error Coefficients

Standard Error:	270000
Relative Standard Error:	18.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.5	1.297624	50.0	127772.0	2.595248	Y
2	IC 410-274149/17	1.25	5.924318	50.0	81790.0	4.739455	Y
3	IC 410-274149/16	2.5	11.051386	50.0	87066.0	4.420555	Y
4	IC 410-274149/15	5.0	22.895981	50.0	107663.0	4.579196	Y
5	IC 410-274149/14	12.5	50.846043	50.0	120975.0	4.067683	Y
6	ICIS 410-274149/13	25.0	121.523133	50.0	101370.0	4.860925	Y
7	IC 410-274149/12	62.5	310.261961	50.0	96770.0	4.964191	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

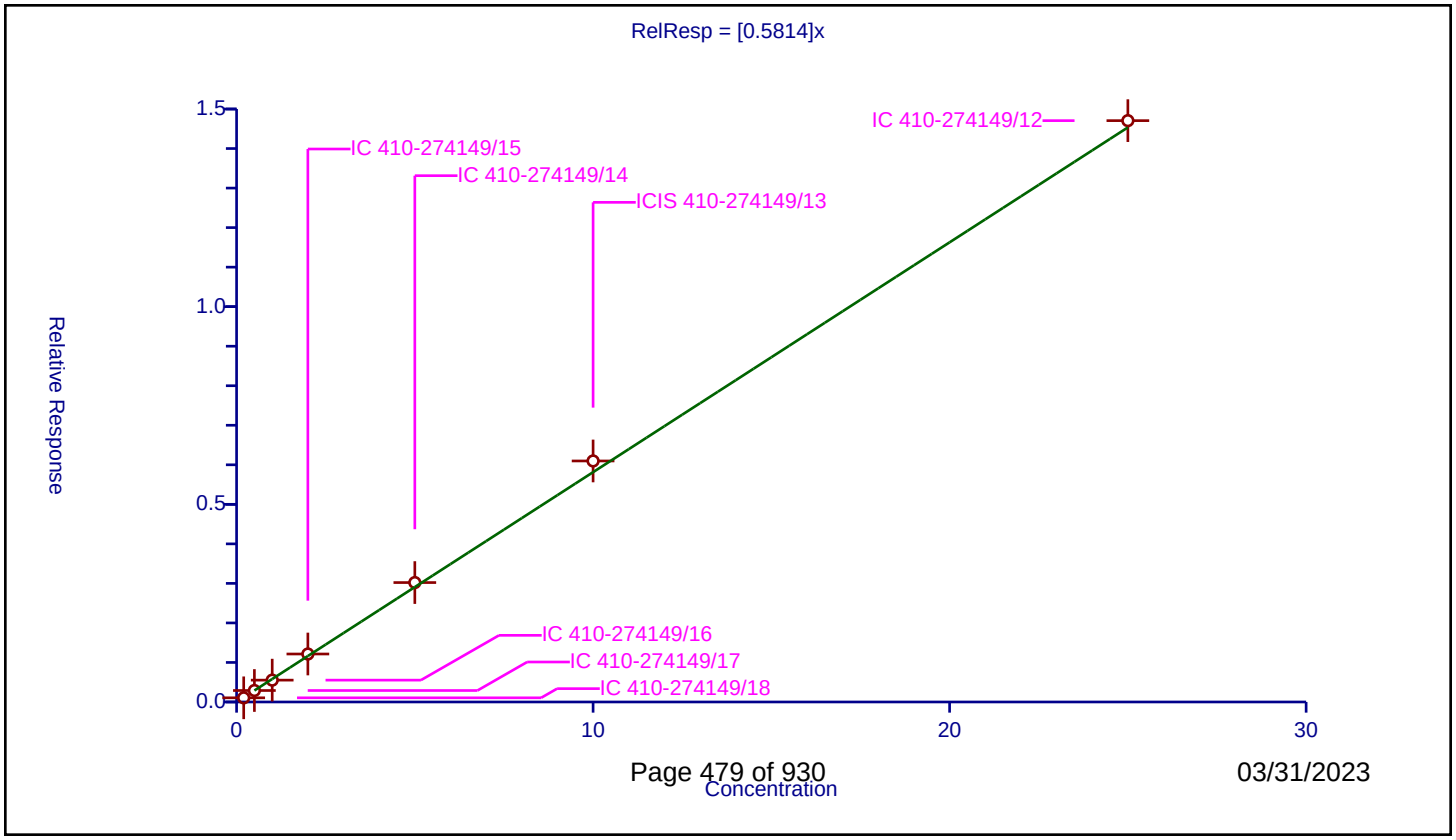
Curve Coefficients

Intercept:	0
Slope:	0.5814

Error Coefficients

Standard Error:	1410000
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 410-274149/18	0.2	0.105327	10.0	2085513.0	0.526633	Y
2	IC 410-274149/17	0.5	0.290358	10.0	2031490.0	0.580717	Y
3	IC 410-274149/16	1.0	0.553089	10.0	2037557.0	0.553089	Y
4	IC 410-274149/15	2.0	1.213893	10.0	2031307.0	0.606947	Y
5	IC 410-274149/14	5.0	3.021371	10.0	2106074.0	0.604274	Y
6	ICIS 410-274149/13	10.0	6.097322	10.0	2081655.0	0.609732	Y
7	IC 410-274149/12	25.0	14.705556	10.0	2132698.0	0.588222	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

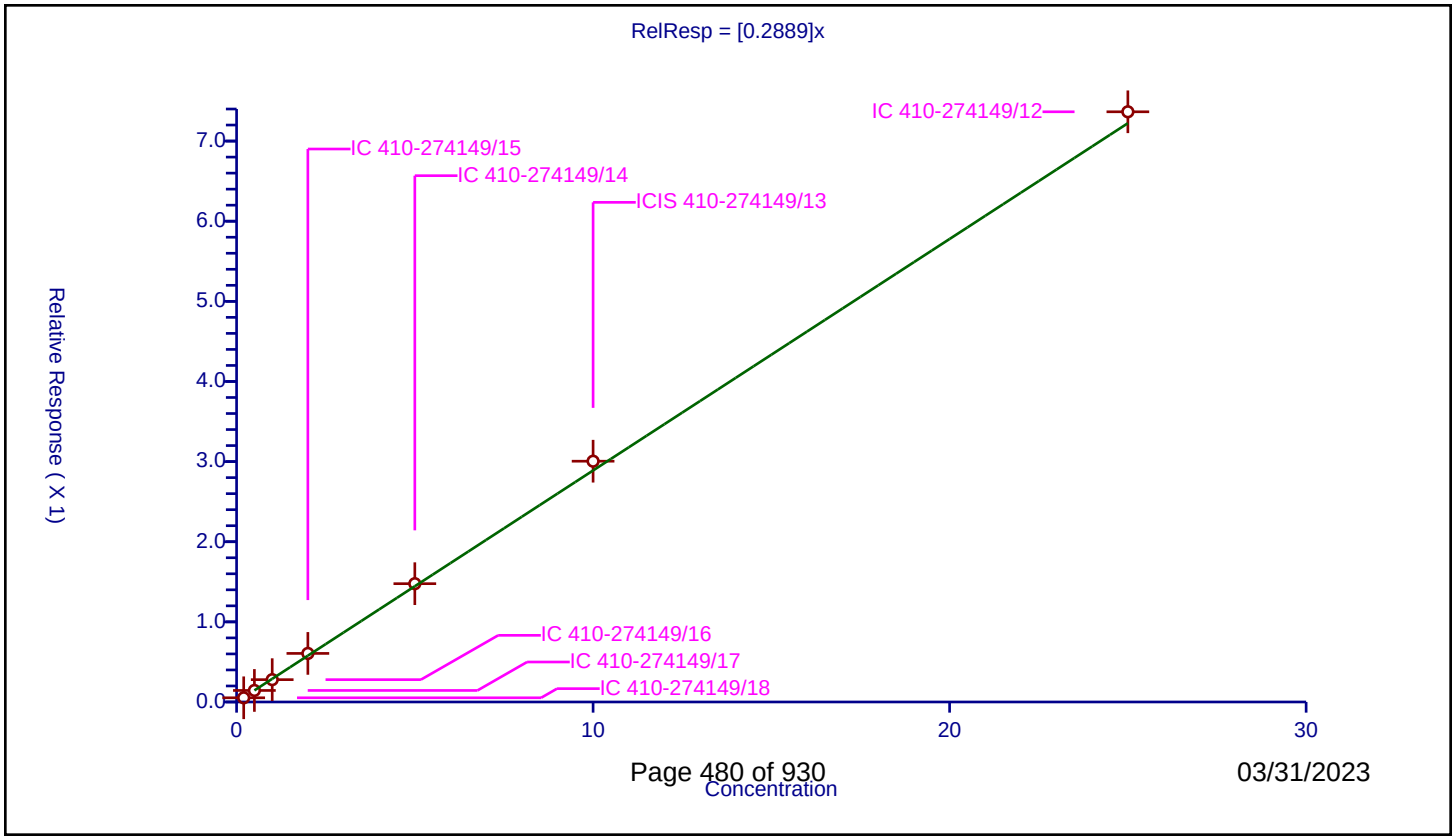
Curve Coefficients

Intercept:	0
Slope:	0.2889

Error Coefficients

Standard Error:	704000
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 410-274149/18	0.2	0.052467	10.0	2085513.0	0.262334	Y
2	IC 410-274149/17	0.5	0.143885	10.0	2031490.0	0.287769	Y
3	IC 410-274149/16	1.0	0.2788	10.0	2037557.0	0.2788	Y
4	IC 410-274149/15	2.0	0.606029	10.0	2031307.0	0.303014	Y
5	IC 410-274149/14	5.0	1.476501	10.0	2106074.0	0.2953	Y
6	ICIS 410-274149/13	10.0	3.005037	10.0	2081655.0	0.300504	Y
7	IC 410-274149/12	25.0	7.36552	10.0	2132698.0	0.294621	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

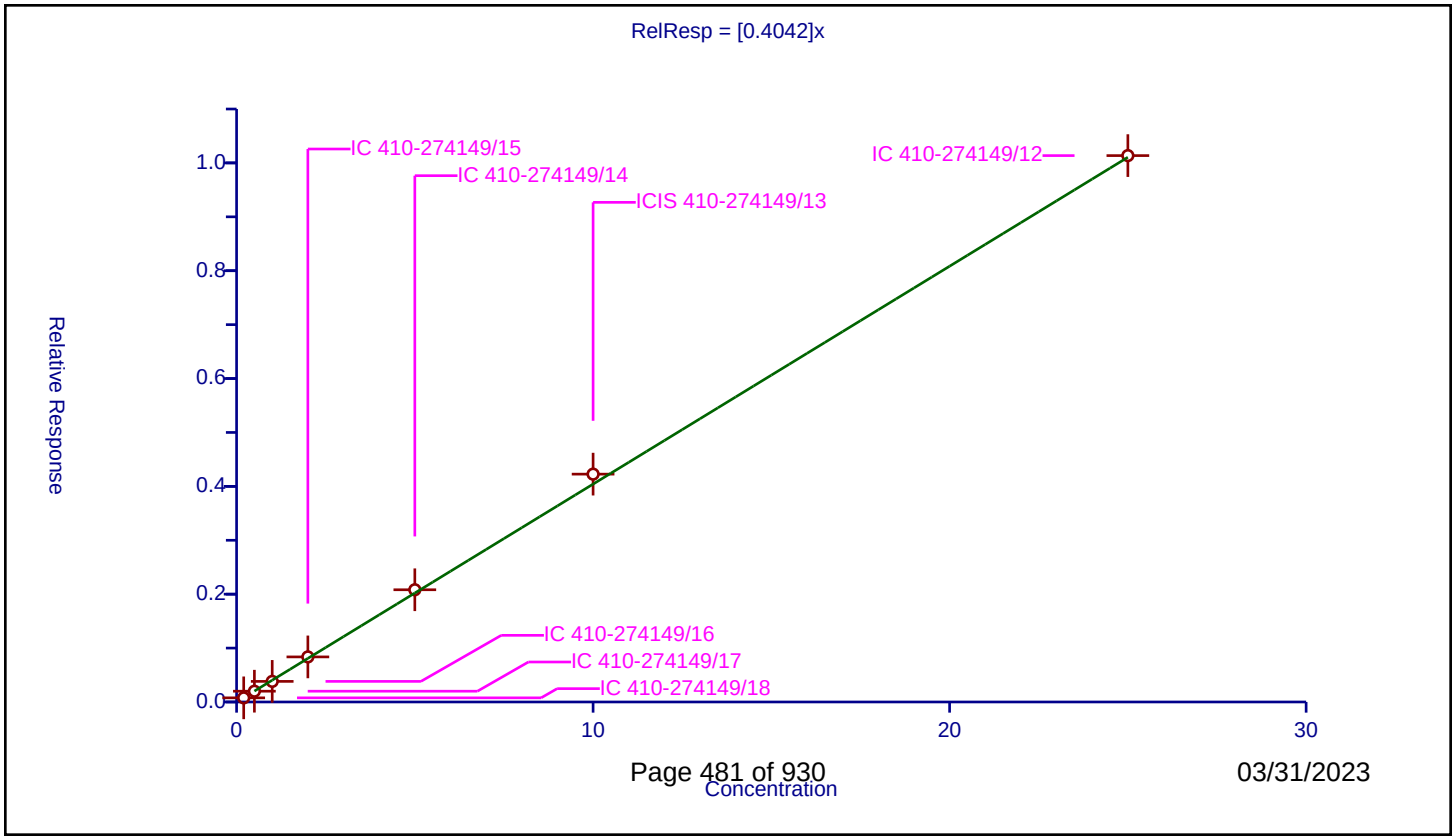
Curve Coefficients

Intercept:	0
Slope:	0.4042

Error Coefficients

Standard Error:	973000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.076974	10.0	2085513.0	0.384869	Y
2	IC 410-274149/17	0.5	0.199932	10.0	2031490.0	0.399864	Y
3	IC 410-274149/16	1.0	0.381938	10.0	2037557.0	0.381938	Y
4	IC 410-274149/15	2.0	0.836471	10.0	2031307.0	0.418236	Y
5	IC 410-274149/14	5.0	2.081959	10.0	2106074.0	0.416392	Y
6	ICIS 410-274149/13	10.0	4.226599	10.0	2081655.0	0.42266	Y
7	IC 410-274149/12	25.0	10.135926	10.0	2132698.0	0.405437	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

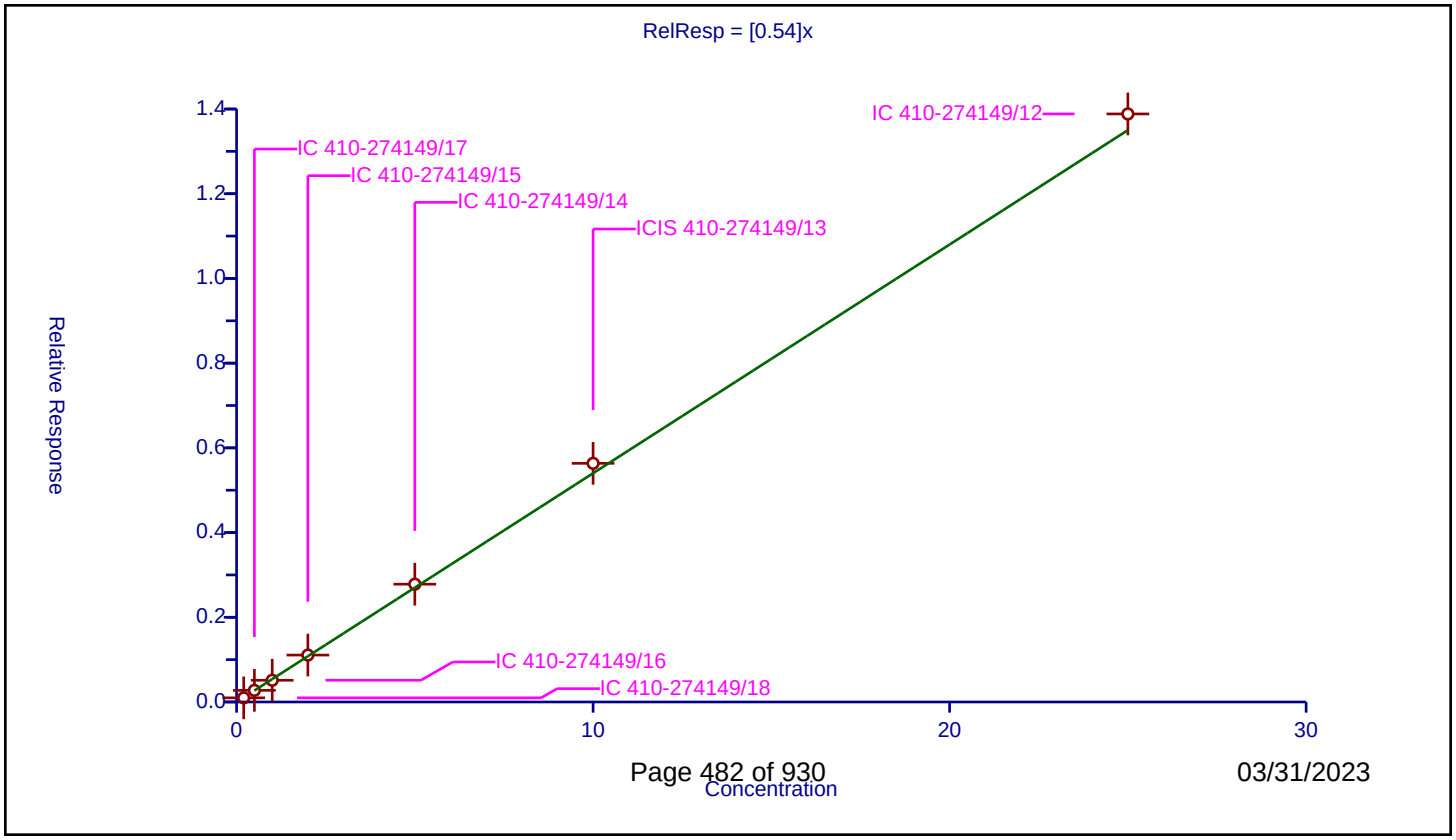
Curve Coefficients

Intercept:	0
Slope:	0.54

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.097727	10.0	2085513.0	0.488633	Y
2	IC 410-274149/17	0.5	0.27503	10.0	2031490.0	0.550059	Y
3	IC 410-274149/16	1.0	0.512614	10.0	2037557.0	0.512614	Y
4	IC 410-274149/15	2.0	1.107686	10.0	2031307.0	0.553843	Y
5	IC 410-274149/14	5.0	2.781474	10.0	2106074.0	0.556295	Y
6	ICIS 410-274149/13	10.0	5.634416	10.0	2081655.0	0.563442	Y
7	IC 410-274149/12	25.0	13.883222	10.0	2132698.0	0.555329	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

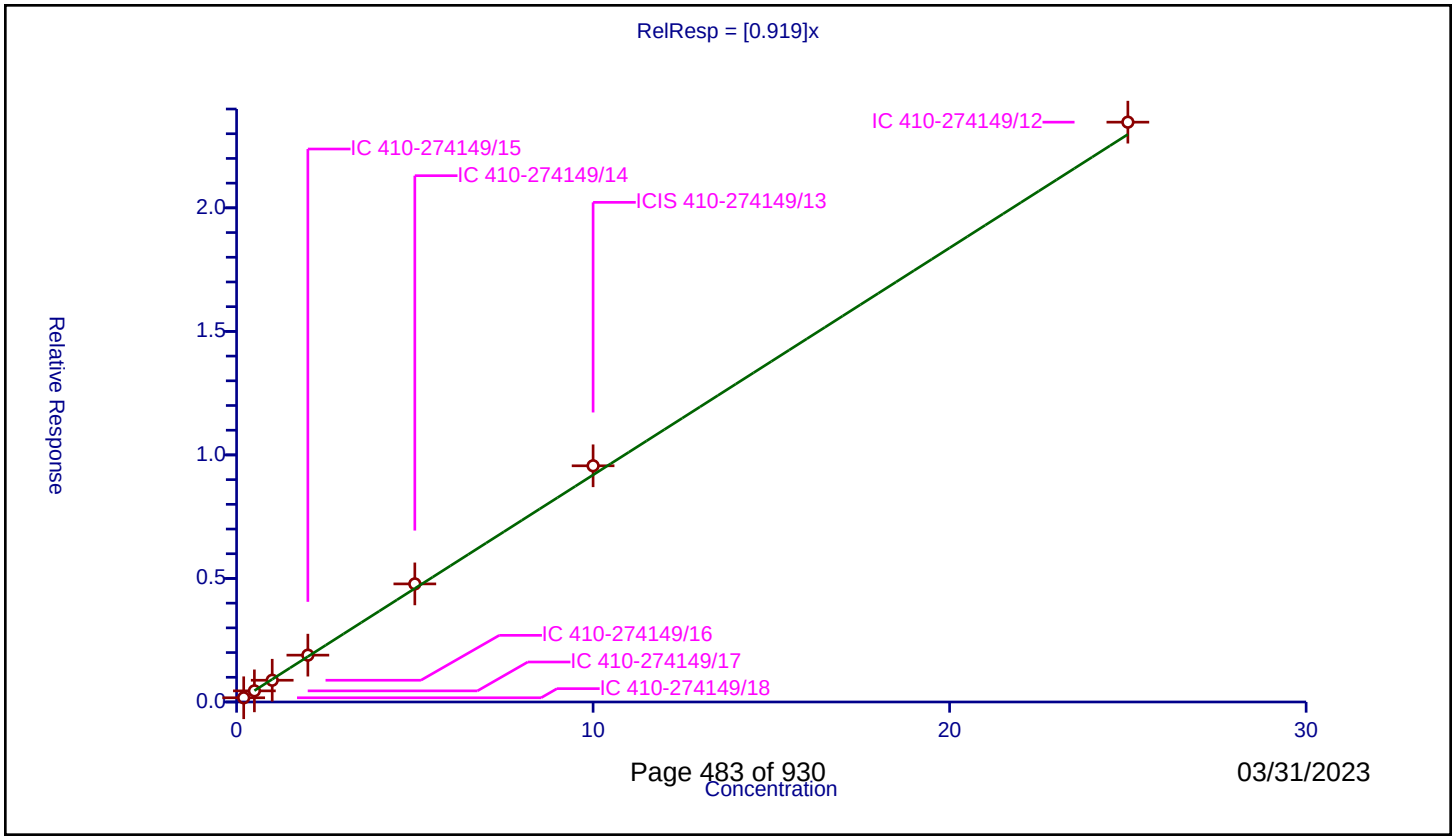
Curve Coefficients

Intercept:	0
Slope:	0.919

Error Coefficients

Standard Error:	2240000
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 410-274149/18	0.2	0.170697	10.0	2085513.0	0.853483	Y
2	IC 410-274149/17	0.5	0.45028	10.0	2031490.0	0.900561	Y
3	IC 410-274149/16	1.0	0.879779	10.0	2037557.0	0.879779	Y
4	IC 410-274149/15	2.0	1.896277	10.0	2031307.0	0.948138	Y
5	IC 410-274149/14	5.0	4.780236	10.0	2106074.0	0.956047	Y
6	ICIS 410-274149/13	10.0	9.559615	10.0	2081655.0	0.955961	Y
7	IC 410-274149/12	25.0	23.467598	10.0	2132698.0	0.938704	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

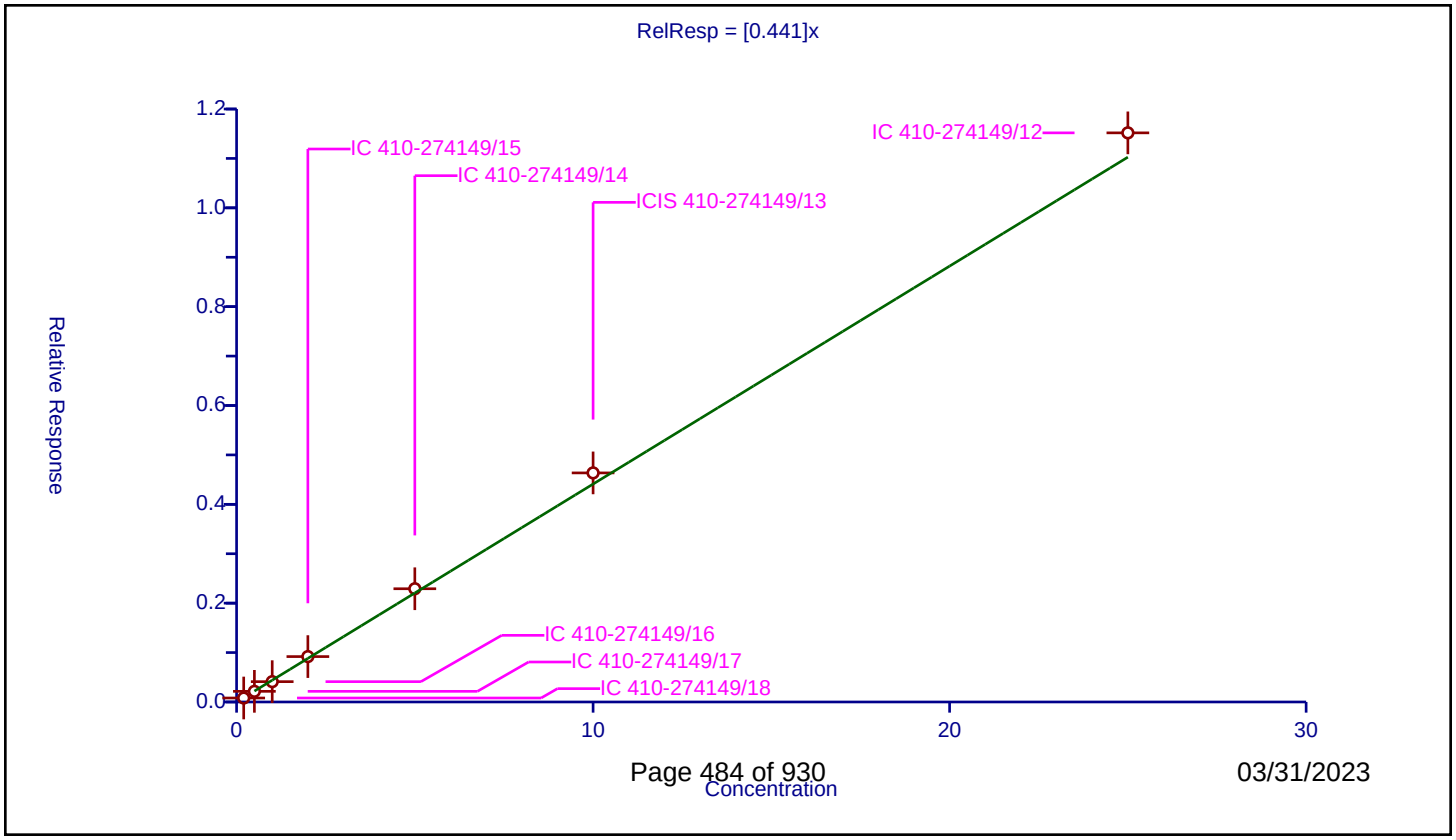
Curve Coefficients

Intercept:	0
Slope:	0.441

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	5.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.080445	10.0	2085513.0	0.402227	Y
2	IC 410-274149/17	0.5	0.215842	10.0	2031490.0	0.431683	Y
3	IC 410-274149/16	1.0	0.411252	10.0	2037557.0	0.411252	Y
4	IC 410-274149/15	2.0	0.918881	10.0	2031307.0	0.459441	Y
5	IC 410-274149/14	5.0	2.291843	10.0	2106074.0	0.458369	Y
6	ICIS 410-274149/13	10.0	4.636085	10.0	2081655.0	0.463609	Y
7	IC 410-274149/12	25.0	11.51736	10.0	2132698.0	0.460694	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

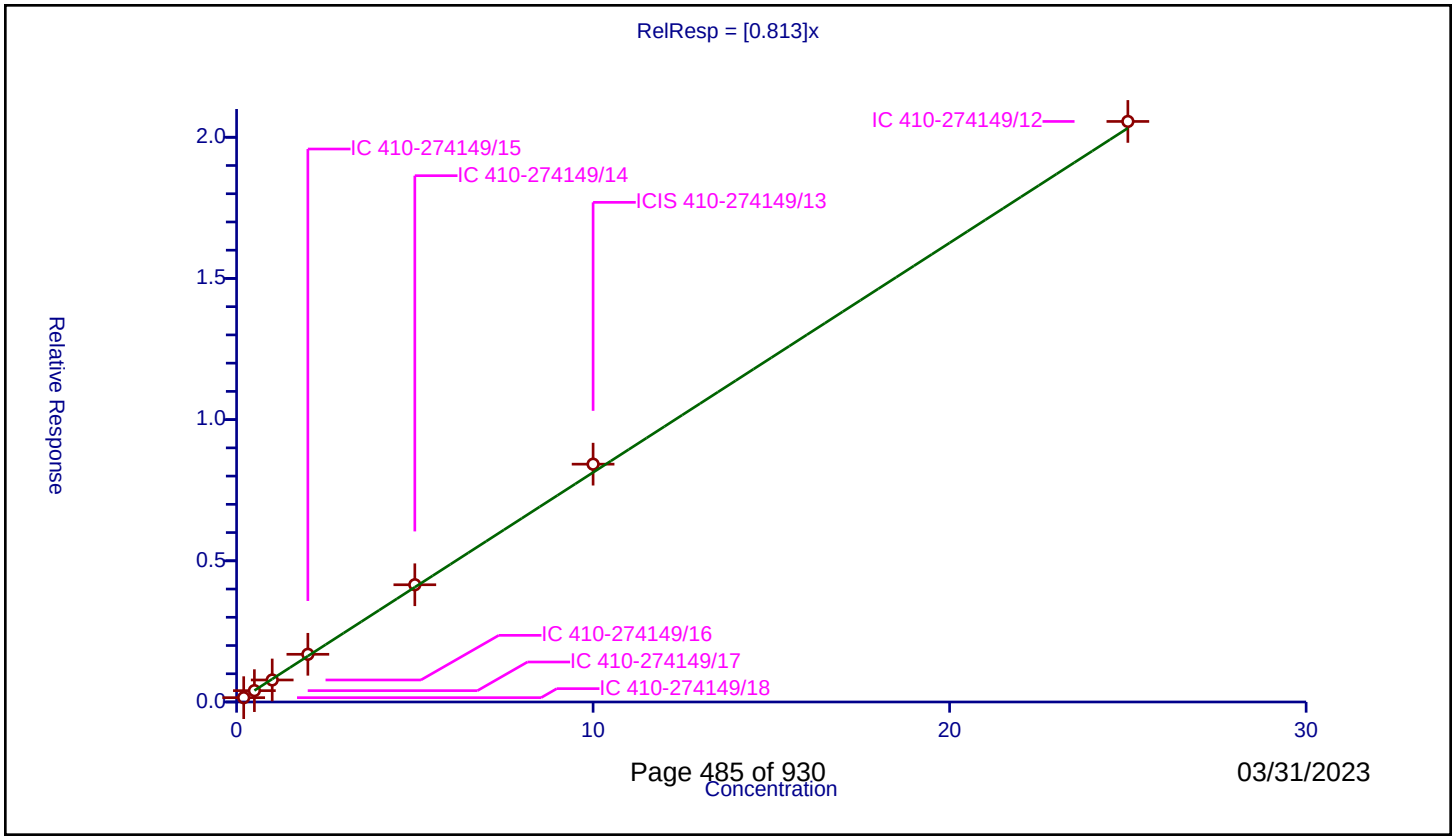
Curve Coefficients

Intercept:	0
Slope:	0.813

Error Coefficients

Standard Error:	1970000
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 410-274149/18	0.2	0.153794	10.0	2085513.0	0.768971	Y
2	IC 410-274149/17	0.5	0.401434	10.0	2031490.0	0.802869	Y
3	IC 410-274149/16	1.0	0.779247	10.0	2037557.0	0.779247	Y
4	IC 410-274149/15	2.0	1.689164	10.0	2031307.0	0.844582	Y
5	IC 410-274149/14	5.0	4.152167	10.0	2106074.0	0.830433	Y
6	ICIS 410-274149/13	10.0	8.422366	10.0	2081655.0	0.842237	Y
7	IC 410-274149/12	25.0	20.56014	10.0	2132698.0	0.822406	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

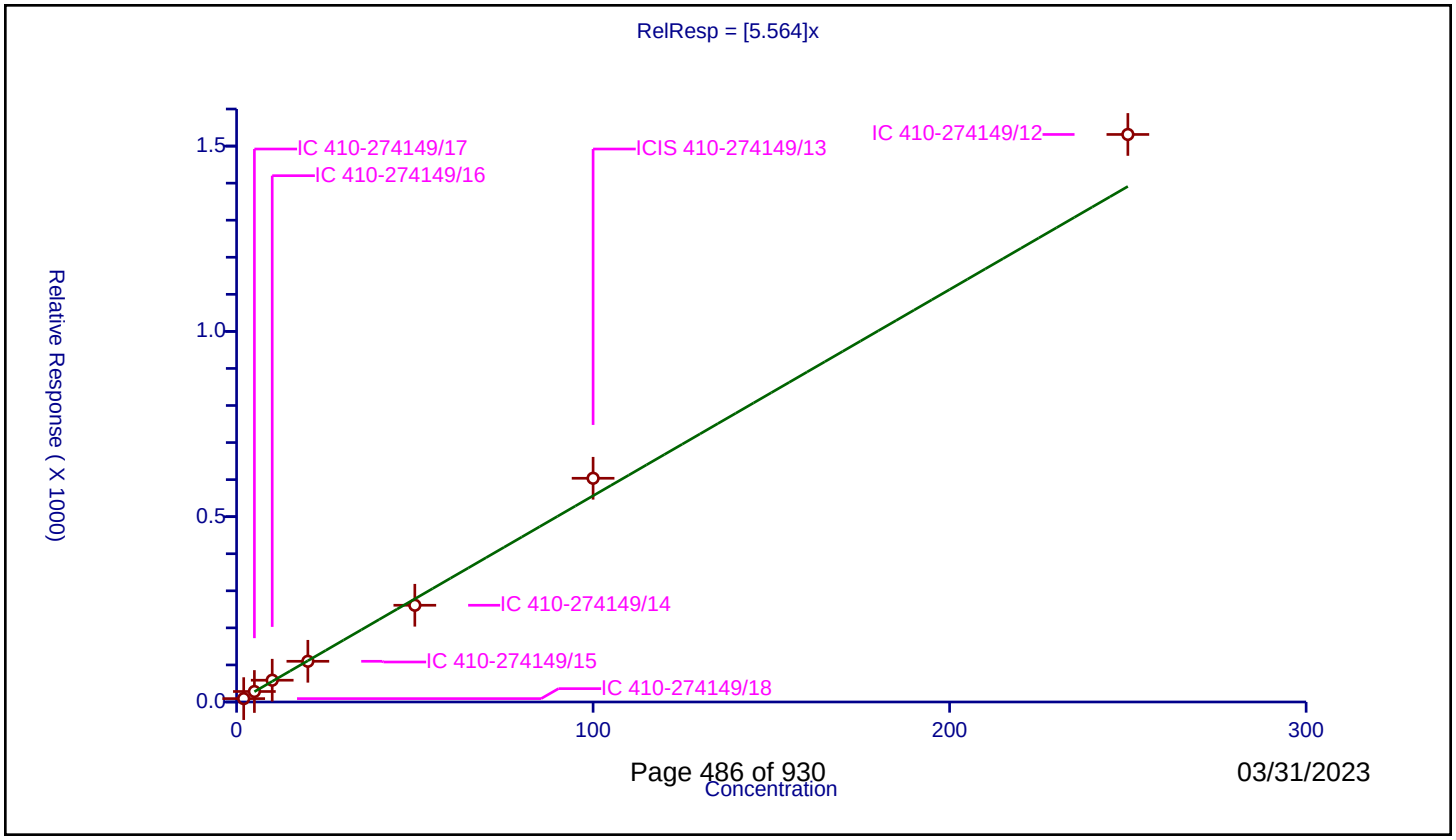
Curve Coefficients

Intercept:	0
Slope:	5.564

Error Coefficients

Standard Error:	1340000
Relative Standard Error:	9.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	2.0	9.068888	50.0	127772.0	4.534444	Y
2	IC 410-274149/17	5.0	28.32559	50.0	81790.0	5.665118	Y
3	IC 410-274149/16	10.0	58.777824	50.0	87066.0	5.877782	Y
4	IC 410-274149/15	20.0	109.82696	50.0	107663.0	5.491348	Y
5	IC 410-274149/14	50.0	261.017979	50.0	120975.0	5.22036	Y
6	ICIS 410-274149/13	100.0	603.680576	50.0	101370.0	6.036806	Y
7	IC 410-274149/12	250.0	1531.381627	50.0	96770.0	6.125527	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

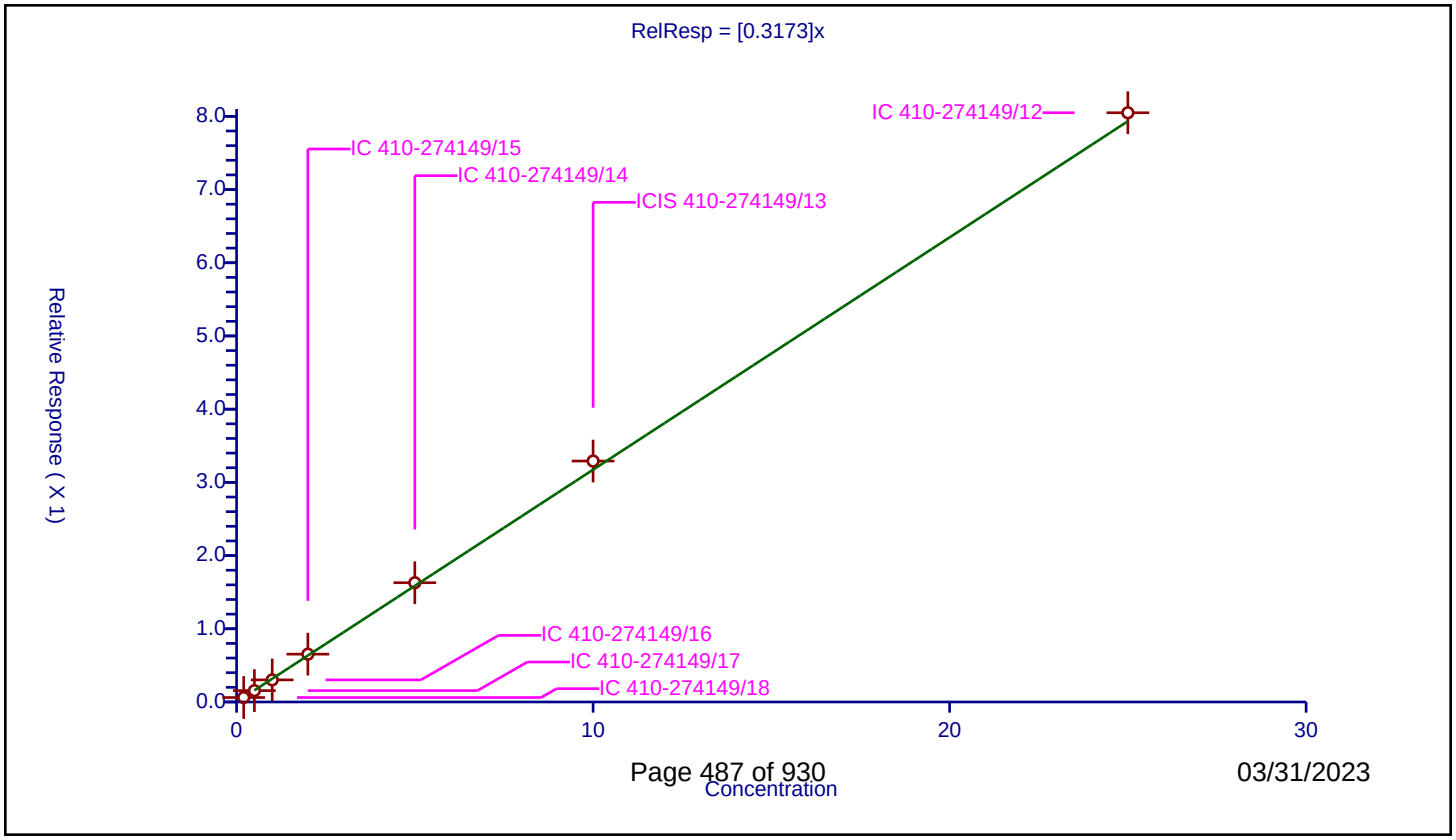
Curve Coefficients

Intercept:	0
Slope:	0.3173

Error Coefficients

Standard Error:	770000
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 410-274149/18	0.2	0.061045	10.0	2085513.0	0.305225	Y
2	IC 410-274149/17	0.5	0.155324	10.0	2031490.0	0.310649	Y
3	IC 410-274149/16	1.0	0.301861	10.0	2037557.0	0.301861	Y
4	IC 410-274149/15	2.0	0.65319	10.0	2031307.0	0.326595	Y
5	IC 410-274149/14	5.0	1.629031	10.0	2106074.0	0.325806	Y
6	ICIS 410-274149/13	10.0	3.291348	10.0	2081655.0	0.329135	Y
7	IC 410-274149/12	25.0	8.048866	10.0	2132698.0	0.321955	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

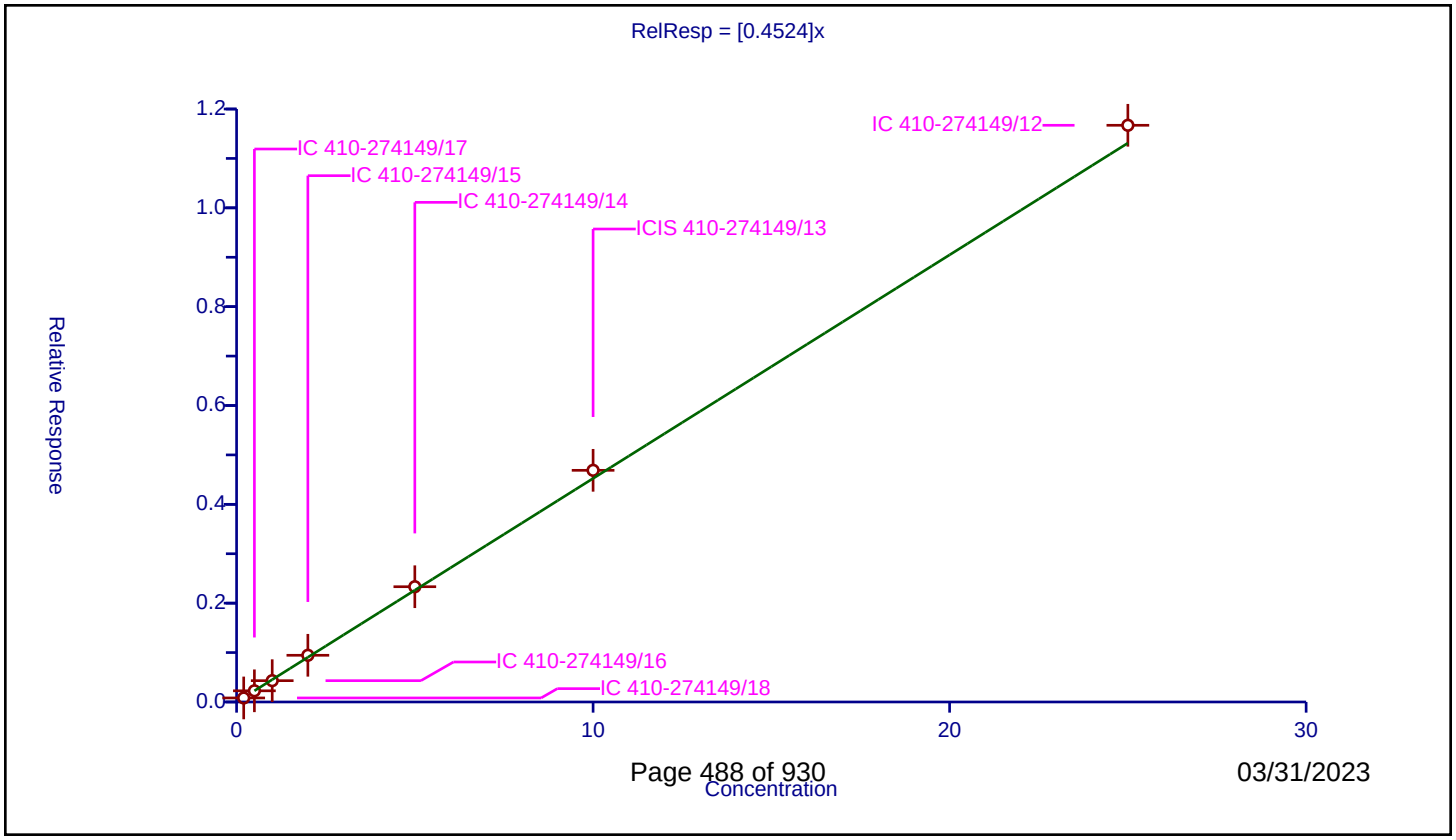
Curve Coefficients

Intercept:	0
Slope:	0.4524

Error Coefficients

Standard Error:	1110000
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 410-274149/18	0.2	0.081591	10.0	2085513.0	0.407957	Y
2	IC 410-274149/17	0.5	0.226386	10.0	2031490.0	0.452771	Y
3	IC 410-274149/16	1.0	0.431389	10.0	2037557.0	0.431389	Y
4	IC 410-274149/15	2.0	0.945061	10.0	2031307.0	0.472531	Y
5	IC 410-274149/14	5.0	2.332843	10.0	2106074.0	0.466569	Y
6	ICIS 410-274149/13	10.0	4.688467	10.0	2081655.0	0.468847	Y
7	IC 410-274149/12	25.0	11.670649	10.0	2132698.0	0.466826	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

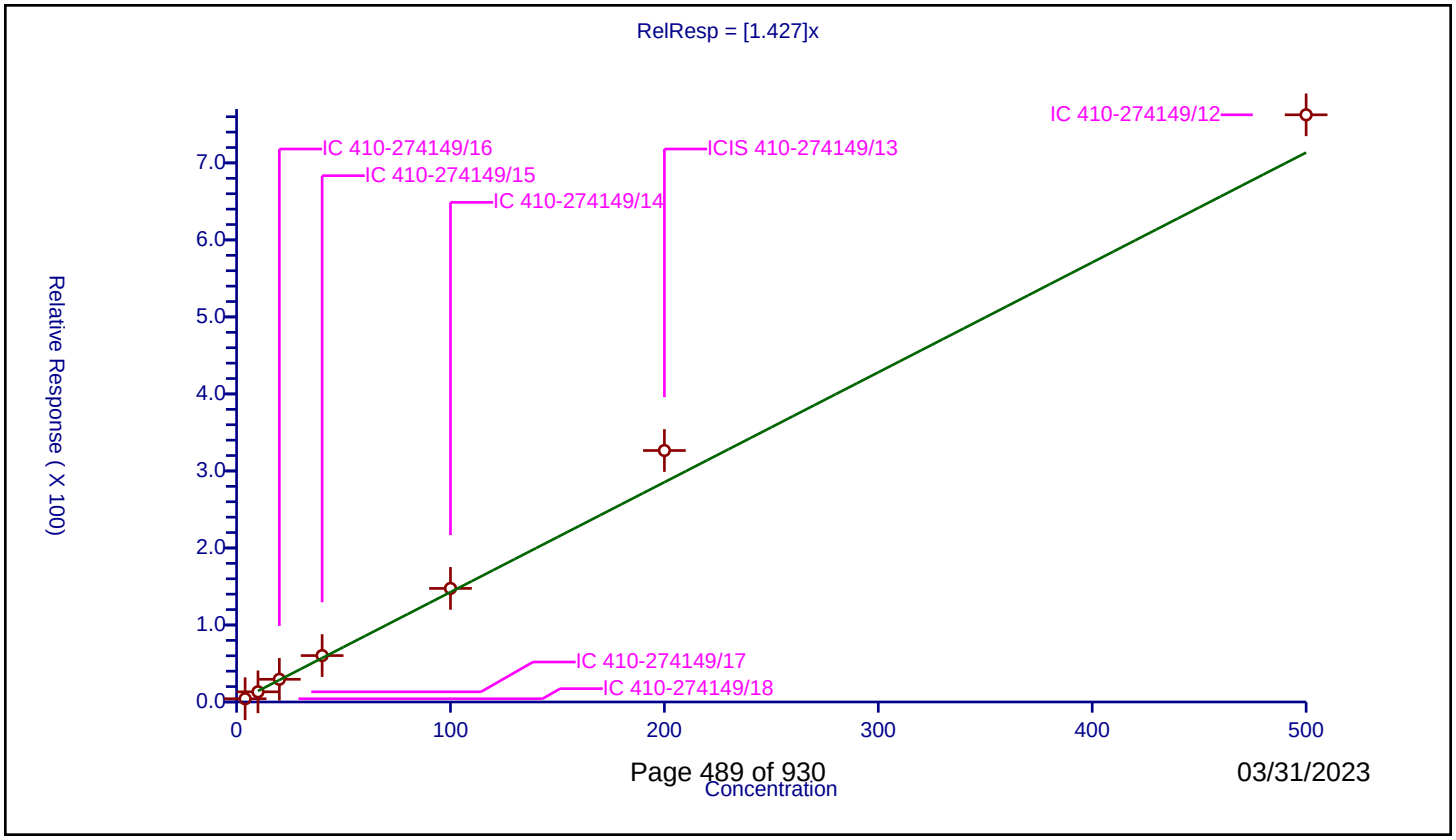
Curve Coefficients

Intercept:	0
Slope:	1.427

Error Coefficients

Standard Error:	678000
Relative Standard Error:	13.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	4.0	4.209843	50.0	127772.0	1.052461	Y
2	IC 410-274149/17	10.0	13.21922	50.0	81790.0	1.321922	Y
3	IC 410-274149/16	20.0	29.500609	50.0	87066.0	1.47503	Y
4	IC 410-274149/15	40.0	60.252362	50.0	107663.0	1.506309	Y
5	IC 410-274149/14	100.0	147.511056	50.0	120975.0	1.475111	Y
6	ICIS 410-274149/13	200.0	326.559633	50.0	101370.0	1.632798	Y
7	IC 410-274149/12	500.0	762.46874	50.0	96770.0	1.524937	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

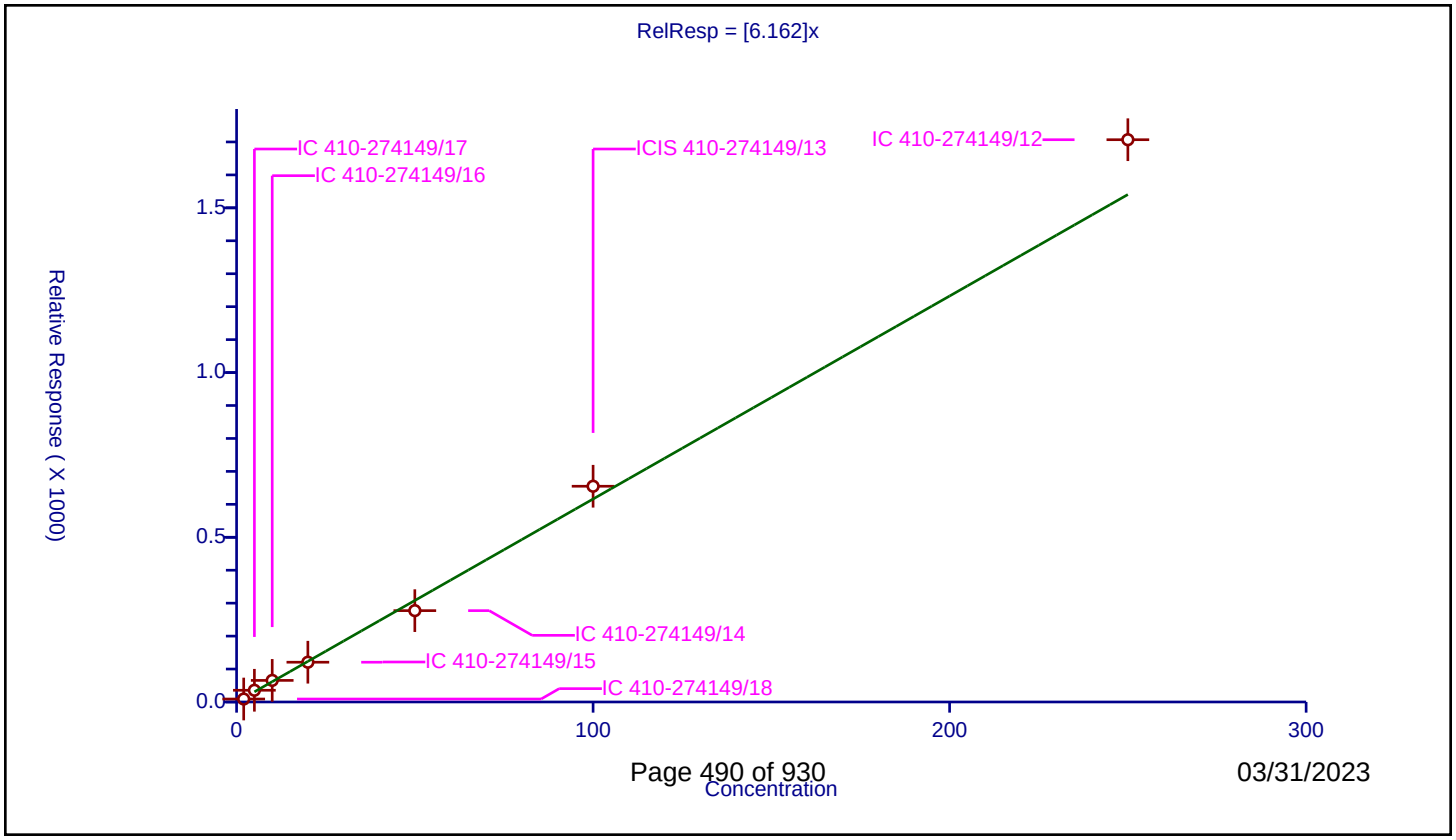
Curve Coefficients

Intercept:	0
Slope:	6.162

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	14.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	2.0	9.003538	50.0	127772.0	4.501769	Y
2	IC 410-274149/17	5.0	35.580756	50.0	81790.0	7.116151	Y
3	IC 410-274149/16	10.0	65.564629	50.0	87066.0	6.556463	Y
4	IC 410-274149/15	20.0	120.701169	50.0	107663.0	6.035058	Y
5	IC 410-274149/14	50.0	277.282496	50.0	120975.0	5.54565	Y
6	ICIS 410-274149/13	100.0	654.886061	50.0	101370.0	6.548861	Y
7	IC 410-274149/12	250.0	1706.85388	50.0	96770.0	6.827416	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

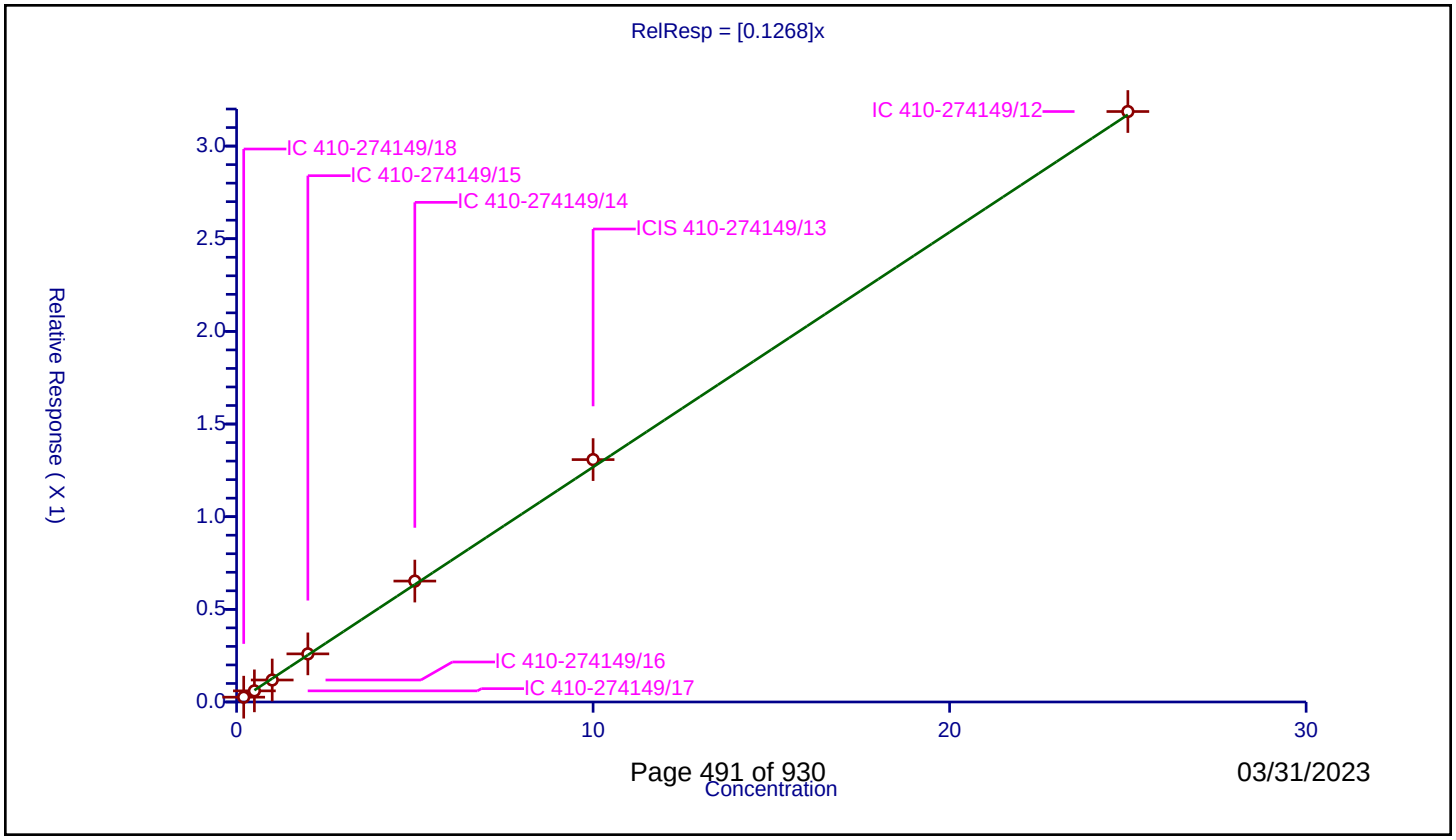
Curve Coefficients

Intercept:	0
Slope:	0.1268

Error Coefficients

Standard Error:	305000
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 410-274149/18	0.2	0.026013	10.0	2085513.0	0.130064	Y
2	IC 410-274149/17	0.5	0.06002	10.0	2031490.0	0.12004	Y
3	IC 410-274149/16	1.0	0.118662	10.0	2037557.0	0.118662	Y
4	IC 410-274149/15	2.0	0.259739	10.0	2031307.0	0.12987	Y
5	IC 410-274149/14	5.0	0.652541	10.0	2106074.0	0.130508	Y
6	ICIS 410-274149/13	10.0	1.308089	10.0	2081655.0	0.130809	Y
7	IC 410-274149/12	25.0	3.186532	10.0	2132698.0	0.127461	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

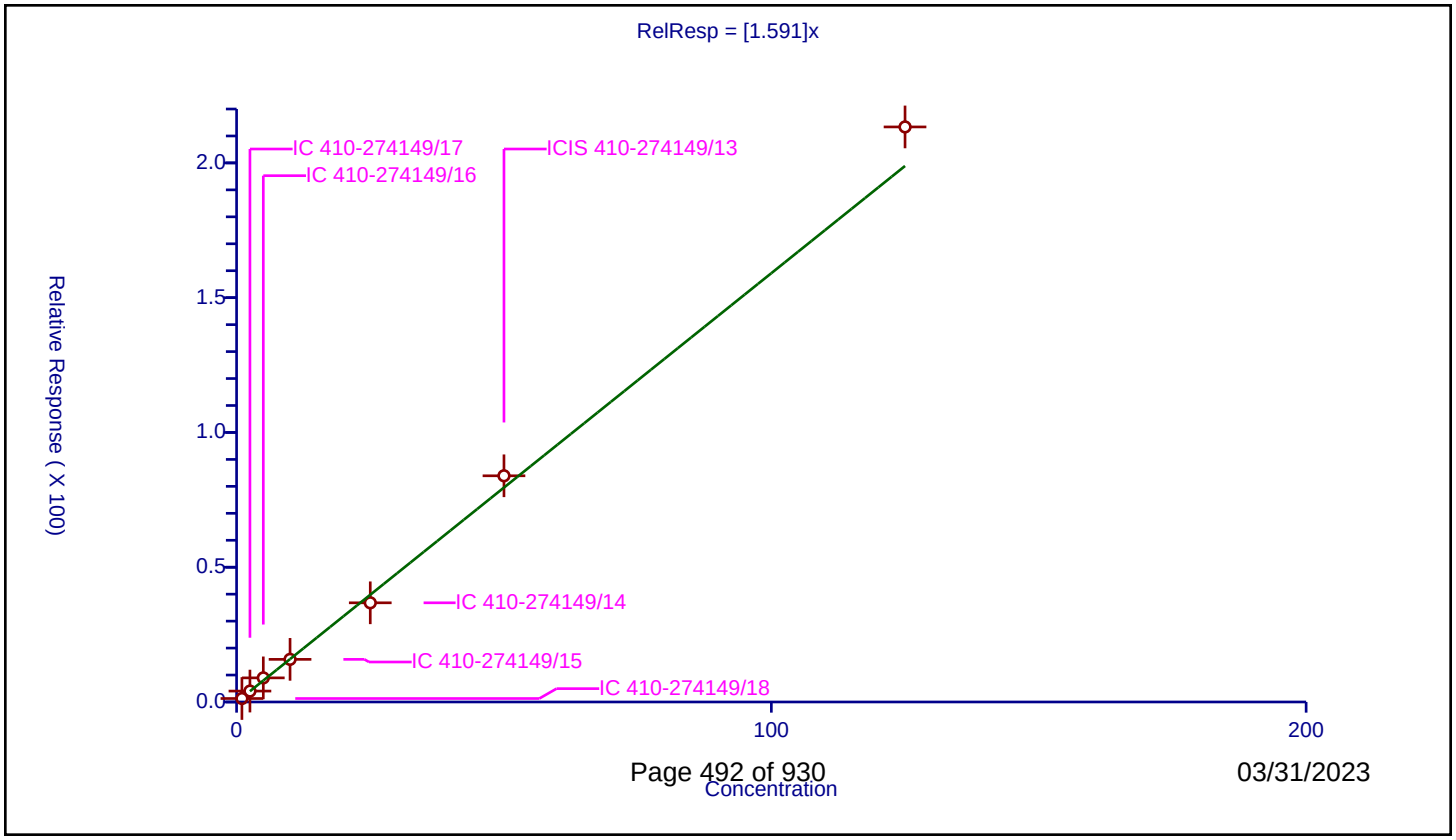
Curve Coefficients

Intercept:	0
Slope:	1.591

Error Coefficients

Standard Error:	186000
Relative Standard Error:	10.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	1.0	1.286276	50.0	127772.0	1.286276	Y
2	IC 410-274149/17	2.5	4.055508	50.0	81790.0	1.622203	Y
3	IC 410-274149/16	5.0	8.946087	50.0	87066.0	1.789217	Y
4	IC 410-274149/15	10.0	15.814625	50.0	107663.0	1.581463	Y
5	IC 410-274149/14	25.0	36.796859	50.0	120975.0	1.471874	Y
6	ICIS 410-274149/13	50.0	83.925224	50.0	101370.0	1.678504	Y
7	IC 410-274149/12	125.0	213.350212	50.0	96770.0	1.706802	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

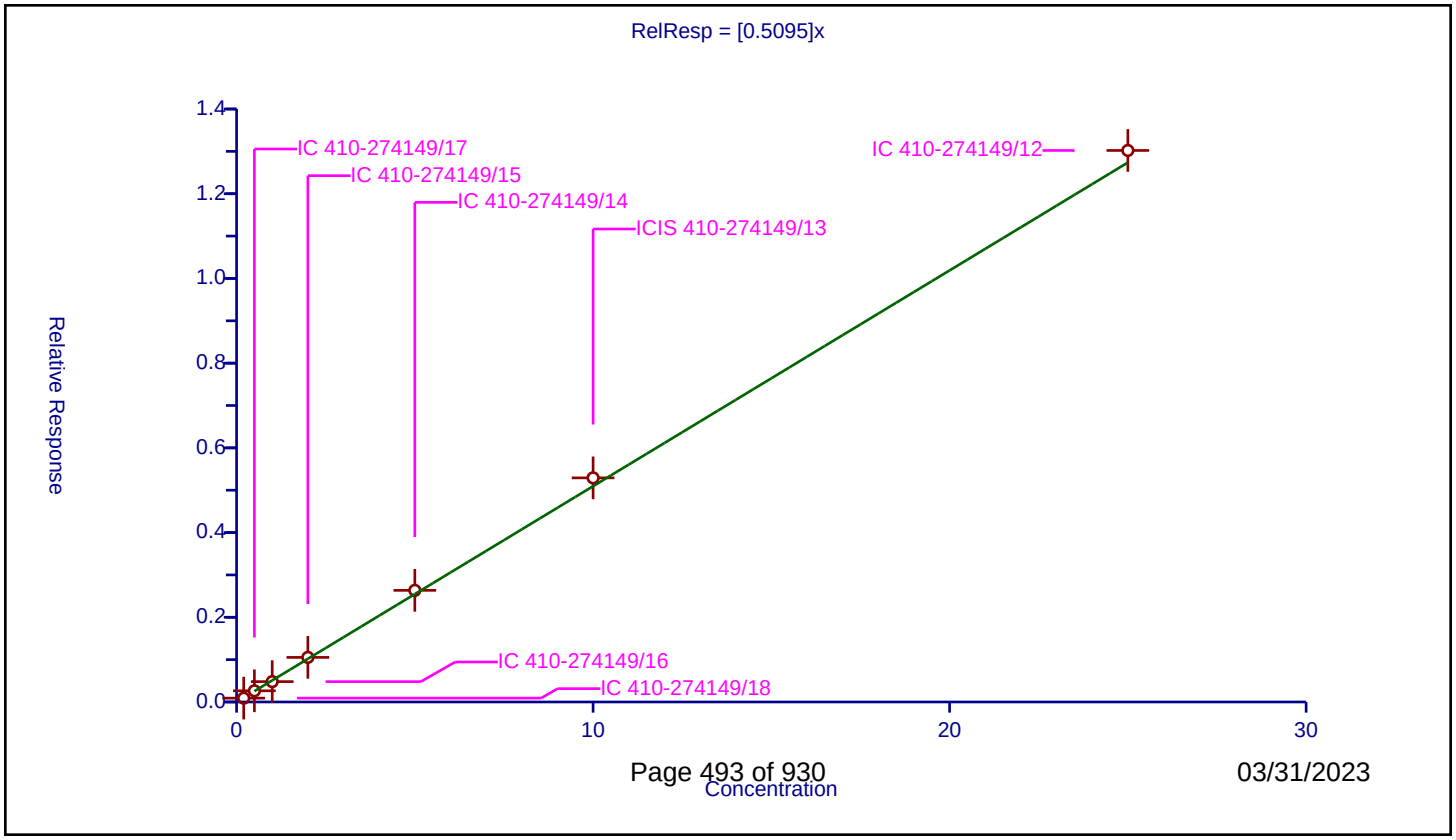
Curve Coefficients

Intercept:	0
Slope:	0.5095

Error Coefficients

Standard Error:	1240000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.090822	10.0	2085513.0	0.454109	Y
2	IC 410-274149/17	0.5	0.263831	10.0	2031490.0	0.527662	Y
3	IC 410-274149/16	1.0	0.481007	10.0	2037557.0	0.481007	Y
4	IC 410-274149/15	2.0	1.052692	10.0	2031307.0	0.526346	Y
5	IC 410-274149/14	5.0	2.635686	10.0	2106074.0	0.527137	Y
6	ICIS 410-274149/13	10.0	5.291223	10.0	2081655.0	0.529122	Y
7	IC 410-274149/12	25.0	13.021867	10.0	2132698.0	0.520875	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

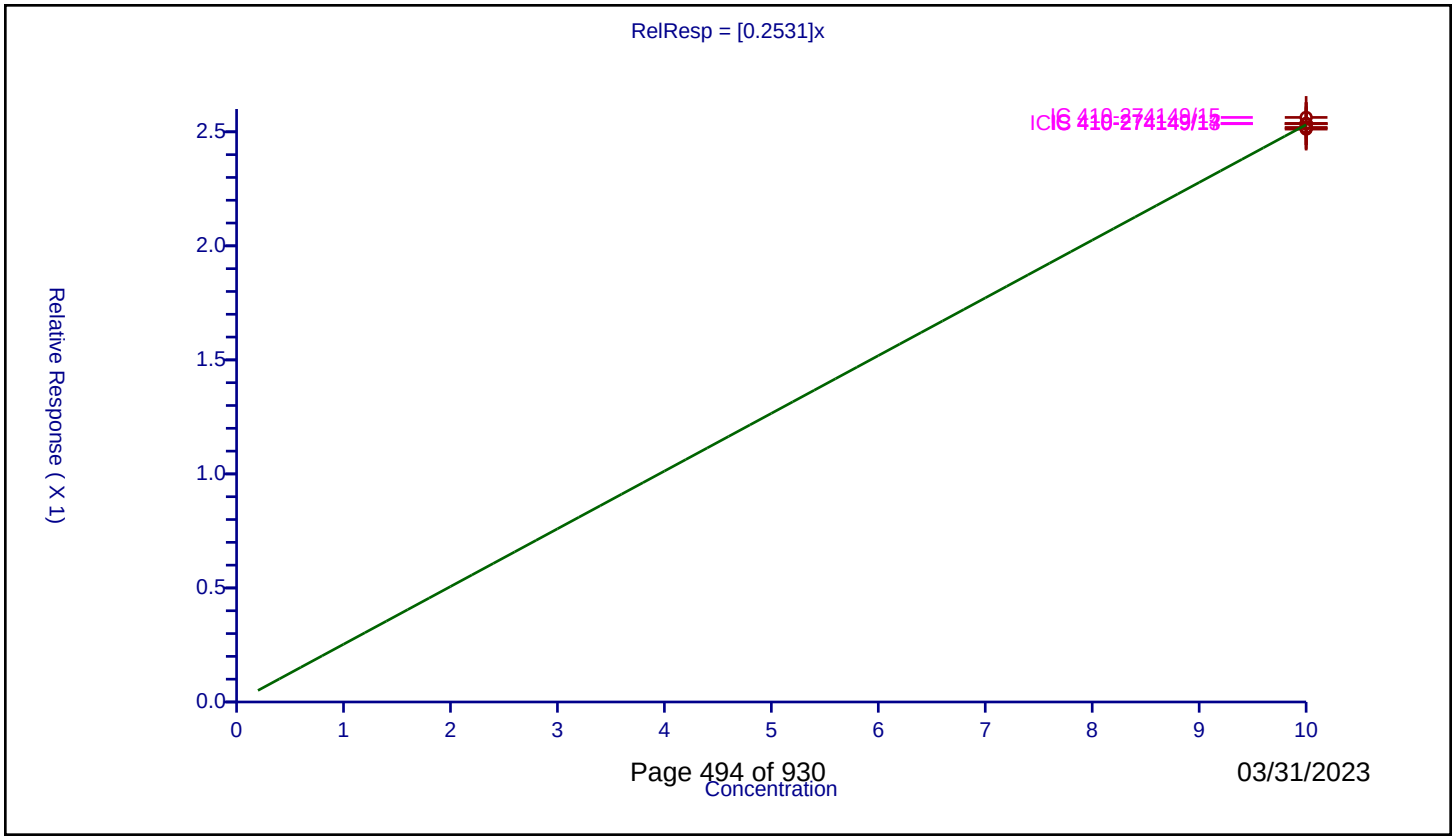
Curve Coefficients

Intercept:	0
Slope:	0.2531

Error Coefficients

Standard Error:	567000
Relative Standard Error:	0.7
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/12	10.0	2.519175	10.0	2132698.0	0.251918	Y
2	ICIS 410-274149/13	10.0	2.535776	10.0	2081655.0	0.253578	Y
3	IC 410-274149/14	10.0	2.536445	10.0	2106074.0	0.253644	Y
4	IC 410-274149/15	10.0	2.563133	10.0	2031307.0	0.256313	Y
5	IC 410-274149/16	10.0	2.511787	10.0	2037557.0	0.251179	Y
6	IC 410-274149/17	10.0	2.53539	10.0	2031490.0	0.253539	Y
7	IC 410-274149/18	10.0	2.515765	10.0	2085513.0	0.251576	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

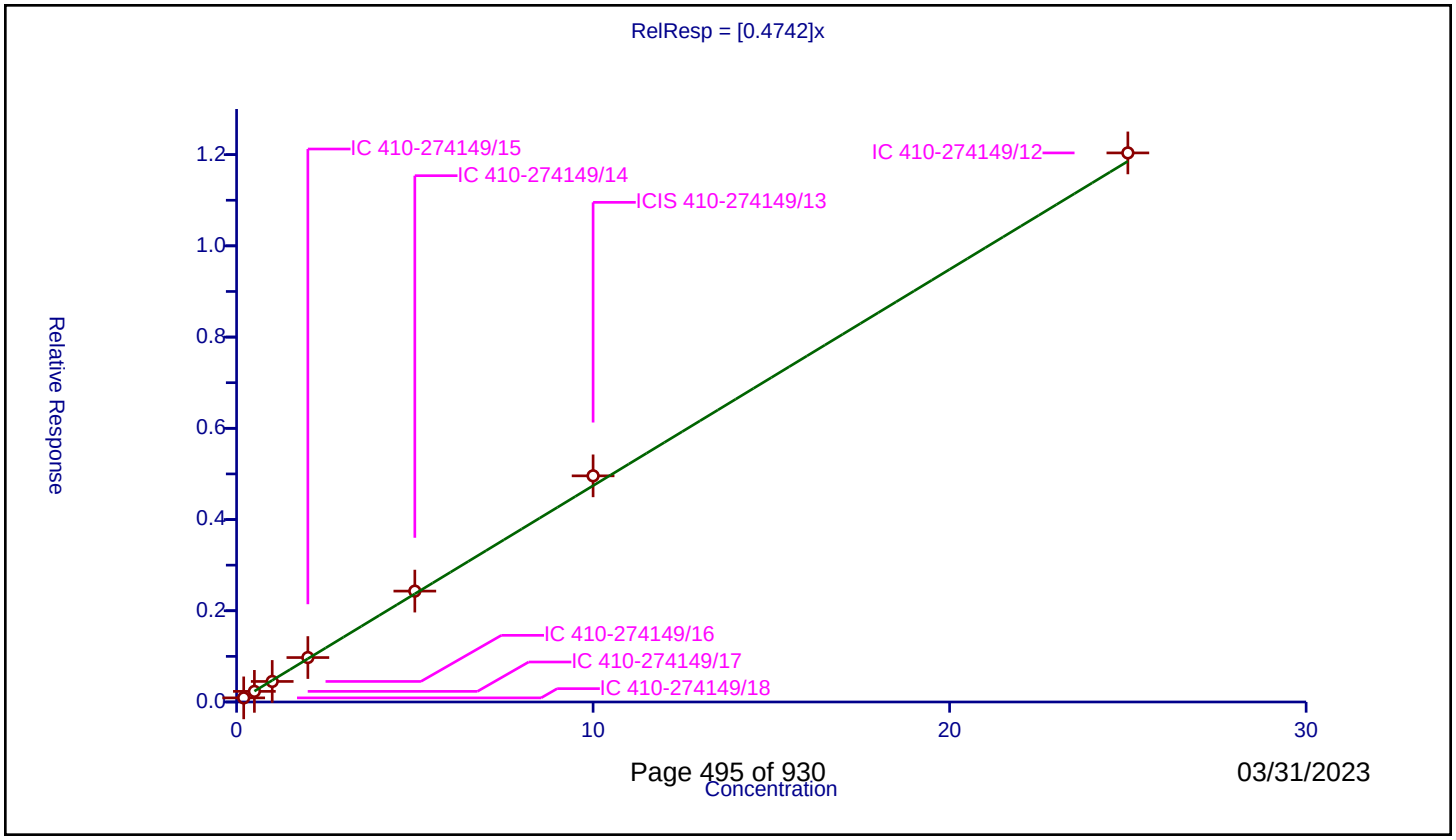
Curve Coefficients

Intercept:	0
Slope:	0.4742

Error Coefficients

Standard Error:	1150000
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 410-274149/18	0.2	0.090443	10.0	2085513.0	0.452215	Y
2	IC 410-274149/17	0.5	0.233051	10.0	2031490.0	0.466101	Y
3	IC 410-274149/16	1.0	0.450392	10.0	2037557.0	0.450392	Y
4	IC 410-274149/15	2.0	0.97425	10.0	2031307.0	0.487125	Y
5	IC 410-274149/14	5.0	2.430897	10.0	2106074.0	0.486179	Y
6	ICIS 410-274149/13	10.0	4.958079	10.0	2081655.0	0.495808	Y
7	IC 410-274149/12	25.0	12.037982	10.0	2132698.0	0.481519	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

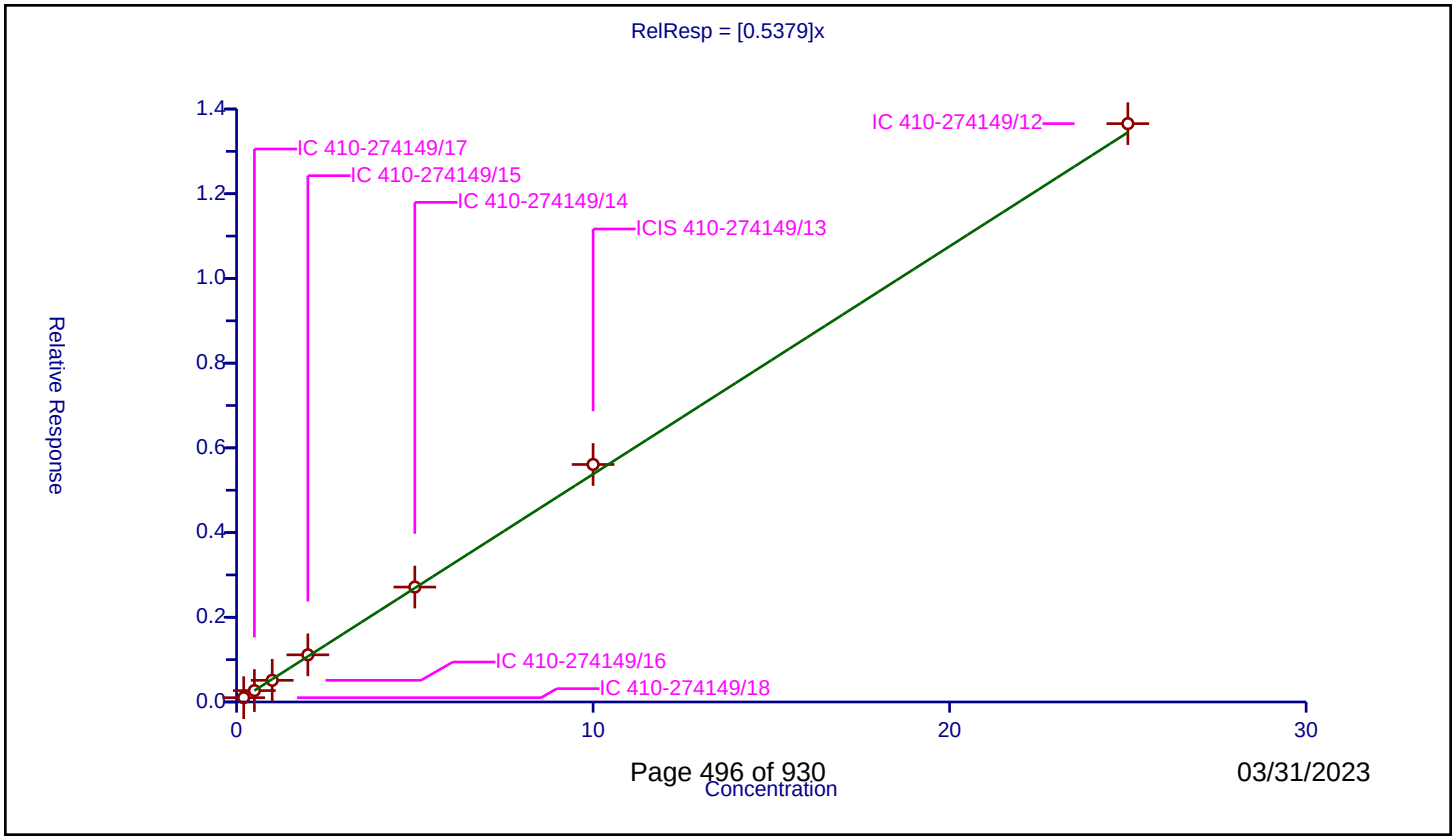
Curve Coefficients

Intercept:	0
Slope:	0.5379

Error Coefficients

Standard Error:	1310000
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 410-274149/18	0.2	0.101879	10.0	2085513.0	0.509395	Y
2	IC 410-274149/17	0.5	0.269014	10.0	2031490.0	0.538029	Y
3	IC 410-274149/16	1.0	0.511667	10.0	2037557.0	0.511667	Y
4	IC 410-274149/15	2.0	1.113529	10.0	2031307.0	0.556765	Y
5	IC 410-274149/14	5.0	2.7132	10.0	2106074.0	0.54264	Y
6	ICIS 410-274149/13	10.0	5.607764	10.0	2081655.0	0.560776	Y
7	IC 410-274149/12	25.0	13.654831	10.0	2132698.0	0.546193	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

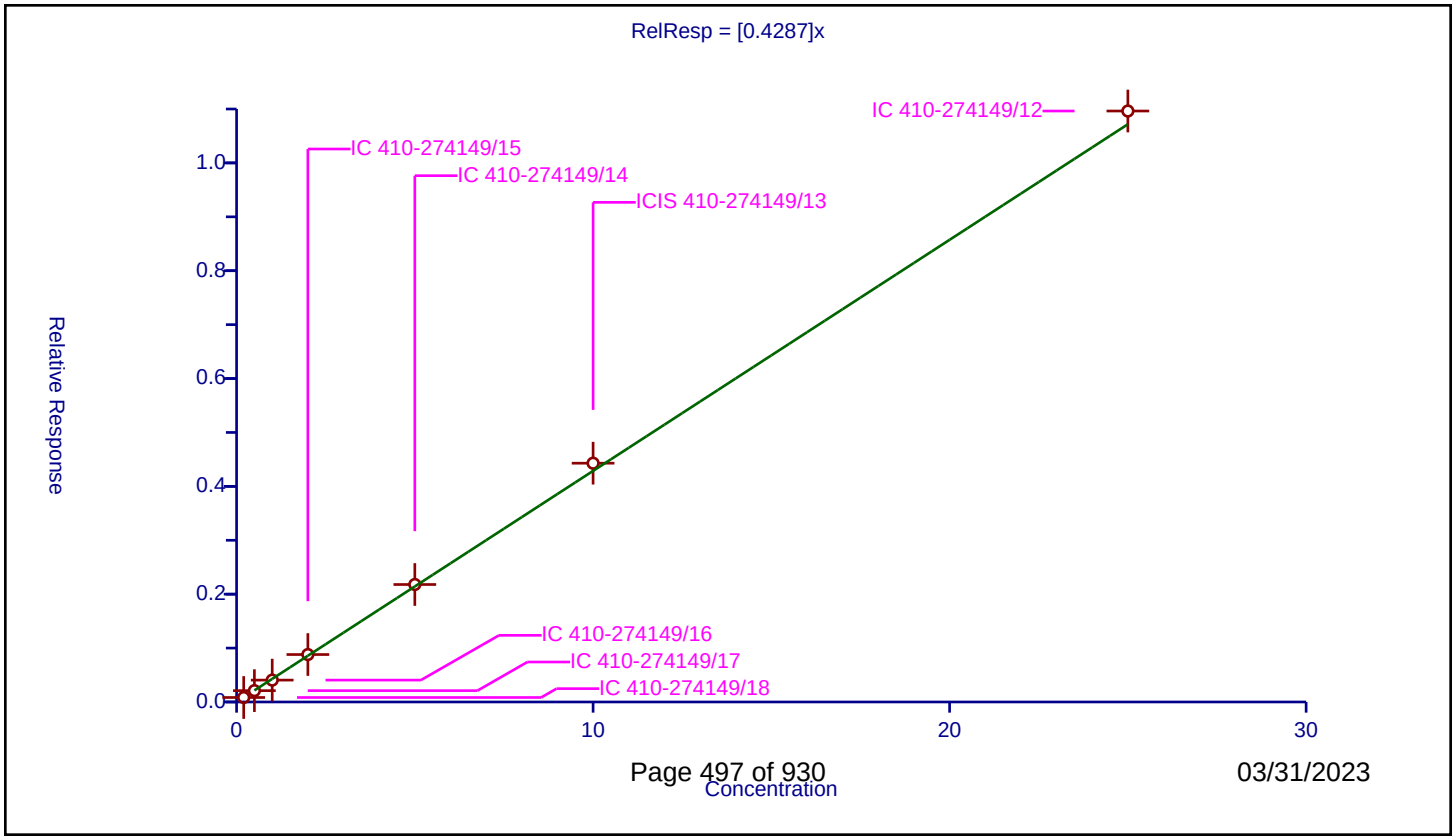
Curve Coefficients

Intercept:	0
Slope:	0.4287

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.083337	10.0	2085513.0	0.416684	Y
2	IC 410-274149/17	0.5	0.210368	10.0	2031490.0	0.420736	Y
3	IC 410-274149/16	1.0	0.405903	10.0	2037557.0	0.405903	Y
4	IC 410-274149/15	2.0	0.880143	10.0	2031307.0	0.440071	Y
5	IC 410-274149/14	5.0	2.17943	10.0	2106074.0	0.435886	Y
6	ICIS 410-274149/13	10.0	4.429485	10.0	2081655.0	0.442949	Y
7	IC 410-274149/12	25.0	10.962823	10.0	2132698.0	0.438513	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

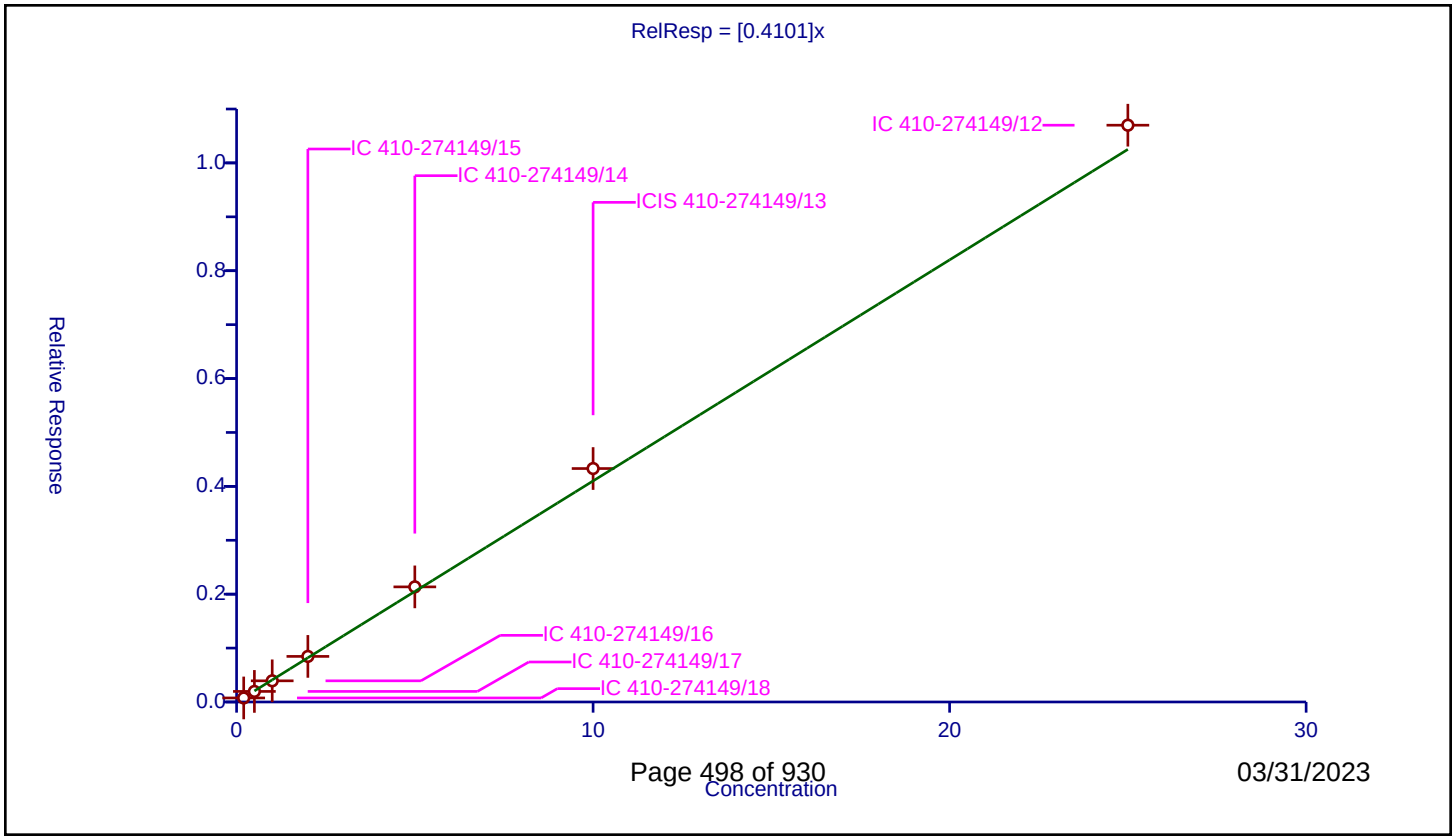
Curve Coefficients

Intercept:	0
Slope:	0.4101

Error Coefficients

Standard Error:	1020000
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 410-274149/18	0.2	0.074984	10.0	2085513.0	0.37492	Y
2	IC 410-274149/17	0.5	0.195994	10.0	2031490.0	0.391988	Y
3	IC 410-274149/16	1.0	0.392563	10.0	2037557.0	0.392563	Y
4	IC 410-274149/15	2.0	0.84553	10.0	2031307.0	0.422765	Y
5	IC 410-274149/14	5.0	2.135447	10.0	2106074.0	0.427089	Y
6	ICIS 410-274149/13	10.0	4.330689	10.0	2081655.0	0.433069	Y
7	IC 410-274149/12	25.0	10.699626	10.0	2132698.0	0.427985	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

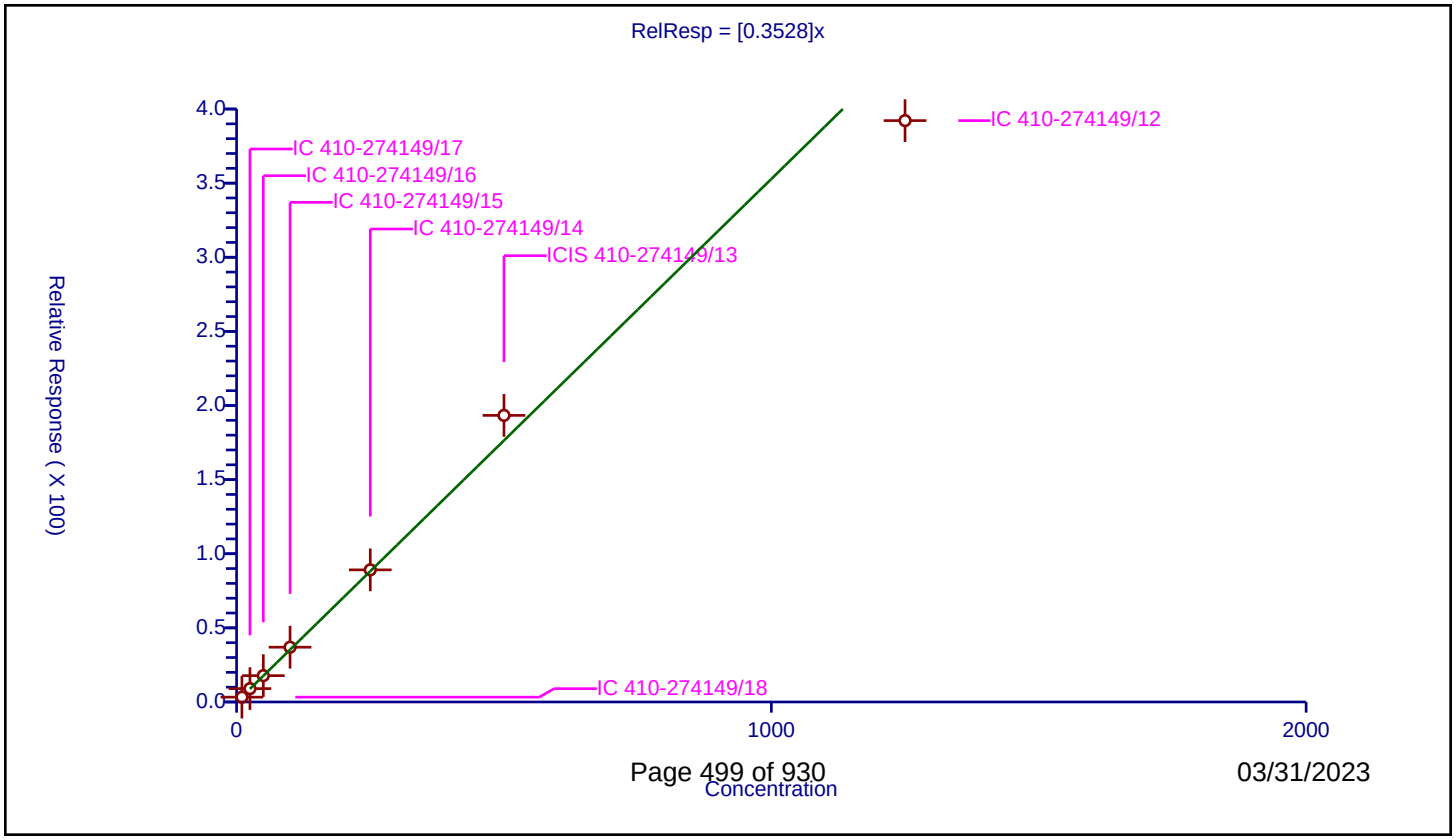
Curve Coefficients

Intercept:	0
Slope:	0.3528

Error Coefficients

Standard Error:	361000
Relative Standard Error:	7.1
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	10.0	3.268713	50.0	127772.0	0.326871	Y
2	IC 410-274149/17	25.0	9.026165	50.0	81790.0	0.361047	Y
3	IC 410-274149/16	50.0	17.771576	50.0	87066.0	0.355432	Y
4	IC 410-274149/15	100.0	36.952806	50.0	107663.0	0.369528	Y
5	IC 410-274149/14	250.0	89.120066	50.0	120975.0	0.35648	Y
6	ICIS 410-274149/13	500.0	193.334813	50.0	101370.0	0.38667	Y
7	IC 410-274149/12	1250.0	392.176294	50.0	96770.0	0.313741	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

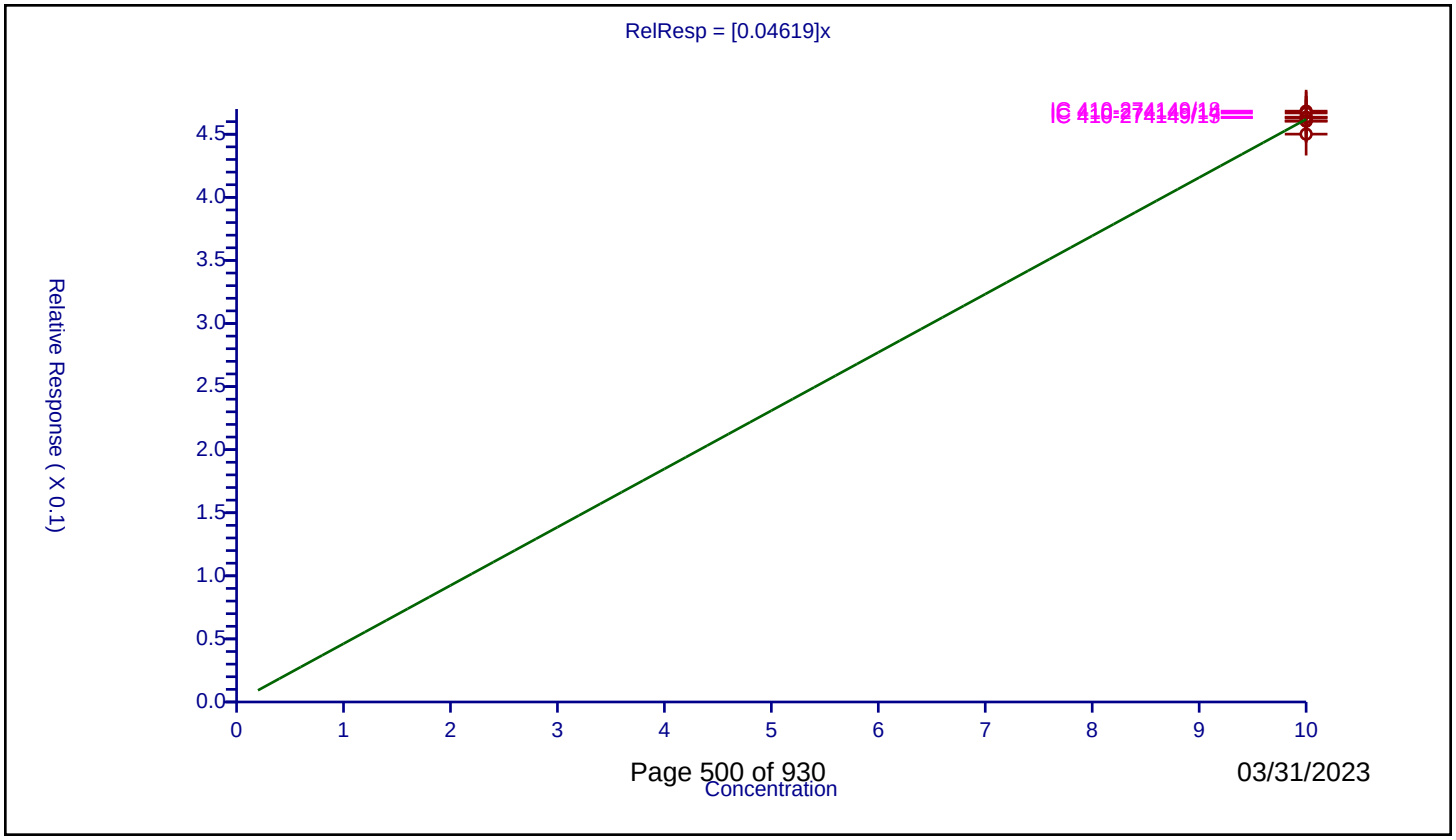
Curve Coefficients

Intercept:	0
Slope:	0.04619

Error Coefficients

Standard Error:	103000
Relative Standard Error:	1.3
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/12	10.0	0.460346	10.0	2132698.0	0.046035	Y
2	ICIS 410-274149/13	10.0	0.460658	10.0	2081655.0	0.046066	Y
3	IC 410-274149/14	10.0	0.466878	10.0	2106074.0	0.046688	Y
4	IC 410-274149/15	10.0	0.463539	10.0	2031307.0	0.046354	Y
5	IC 410-274149/16	10.0	0.450093	10.0	2037557.0	0.045009	Y
6	IC 410-274149/17	10.0	0.463167	10.0	2031490.0	0.046317	Y
7	IC 410-274149/18	10.0	0.468312	10.0	2085513.0	0.046831	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

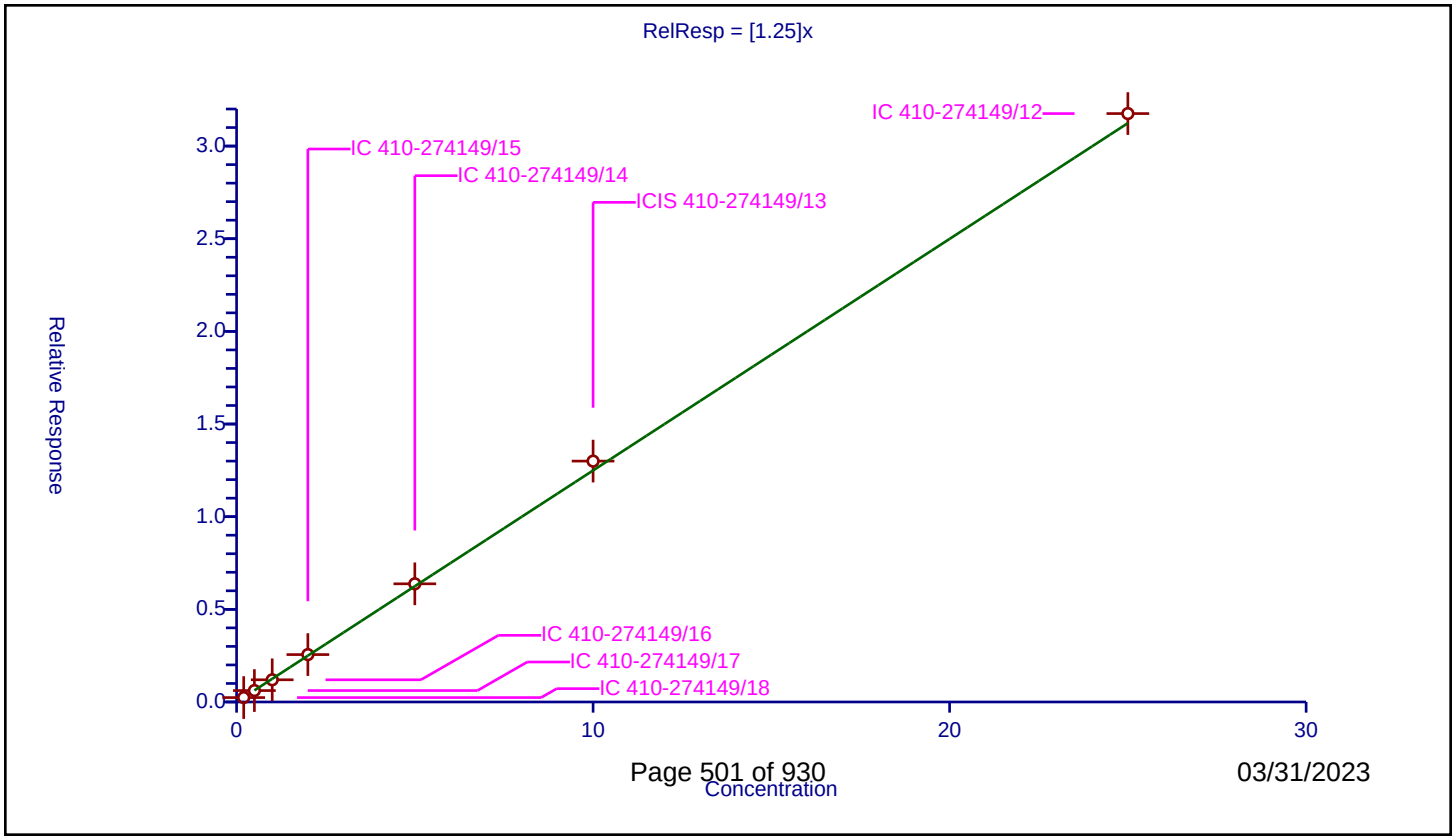
Curve Coefficients

Intercept:	0
Slope:	1.25

Error Coefficients

Standard Error:	3040000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.237946	10.0	2085513.0	1.189731	Y
2	IC 410-274149/17	0.5	0.617291	10.0	2031490.0	1.234582	Y
3	IC 410-274149/16	1.0	1.198038	10.0	2037557.0	1.198038	Y
4	IC 410-274149/15	2.0	2.557349	10.0	2031307.0	1.278674	Y
5	IC 410-274149/14	5.0	6.377535	10.0	2106074.0	1.275507	Y
6	ICIS 410-274149/13	10.0	12.999162	10.0	2081655.0	1.299916	Y
7	IC 410-274149/12	25.0	31.754051	10.0	2132698.0	1.270162	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

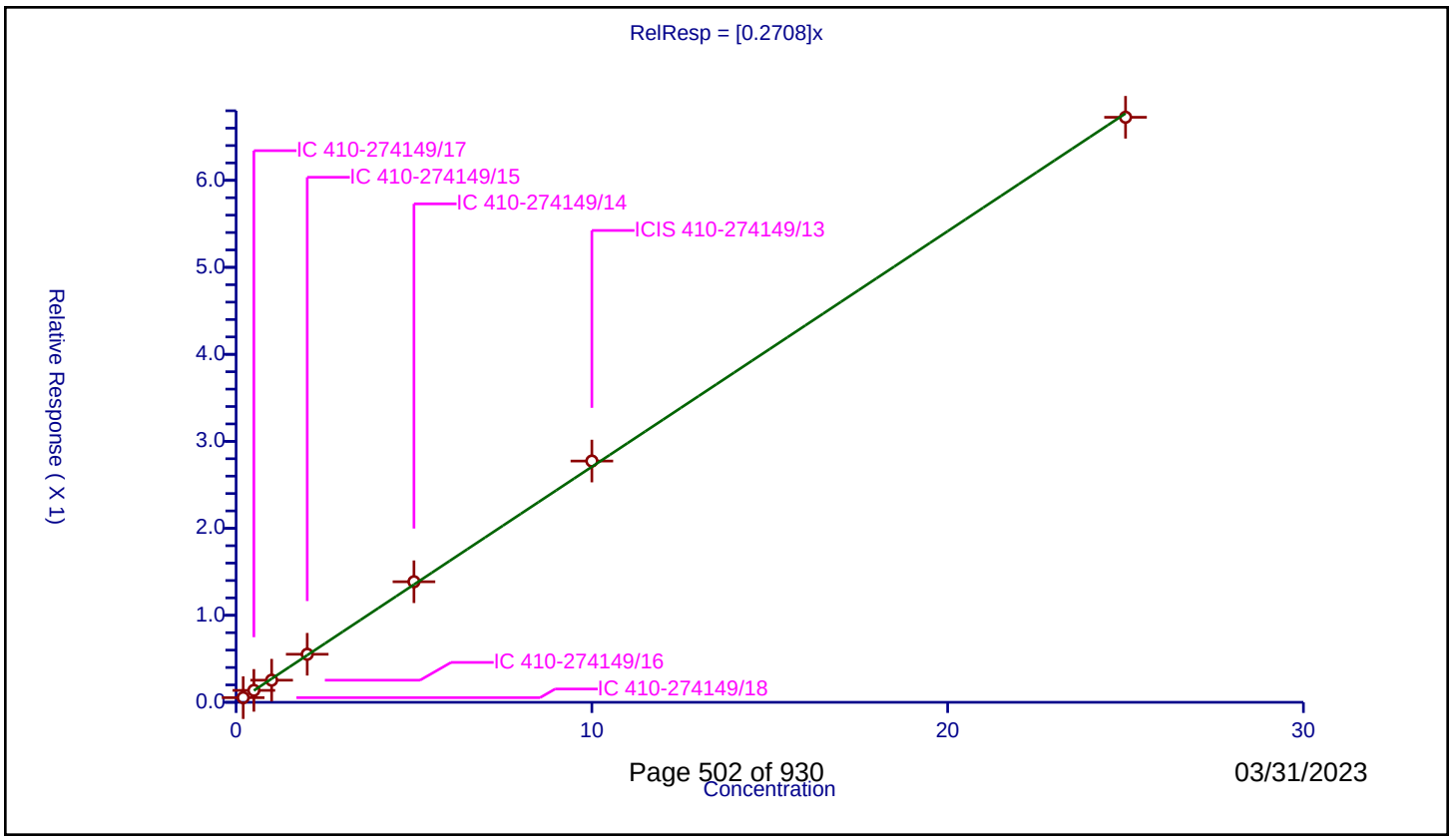
Curve Coefficients

Intercept:	0
Slope:	0.2708

Error Coefficients

Standard Error:	644000
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 410-274149/18	0.2	0.053387	10.0	2085513.0	0.266937	Y
2	IC 410-274149/17	0.5	0.137116	10.0	2031490.0	0.274232	Y
3	IC 410-274149/16	1.0	0.254309	10.0	2037557.0	0.254309	Y
4	IC 410-274149/15	2.0	0.552472	10.0	2031307.0	0.276236	Y
5	IC 410-274149/14	5.0	1.3862	10.0	2106074.0	0.27724	Y
6	ICIS 410-274149/13	10.0	2.773356	10.0	2081655.0	0.277336	Y
7	IC 410-274149/12	25.0	6.725092	10.0	2132698.0	0.269004	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

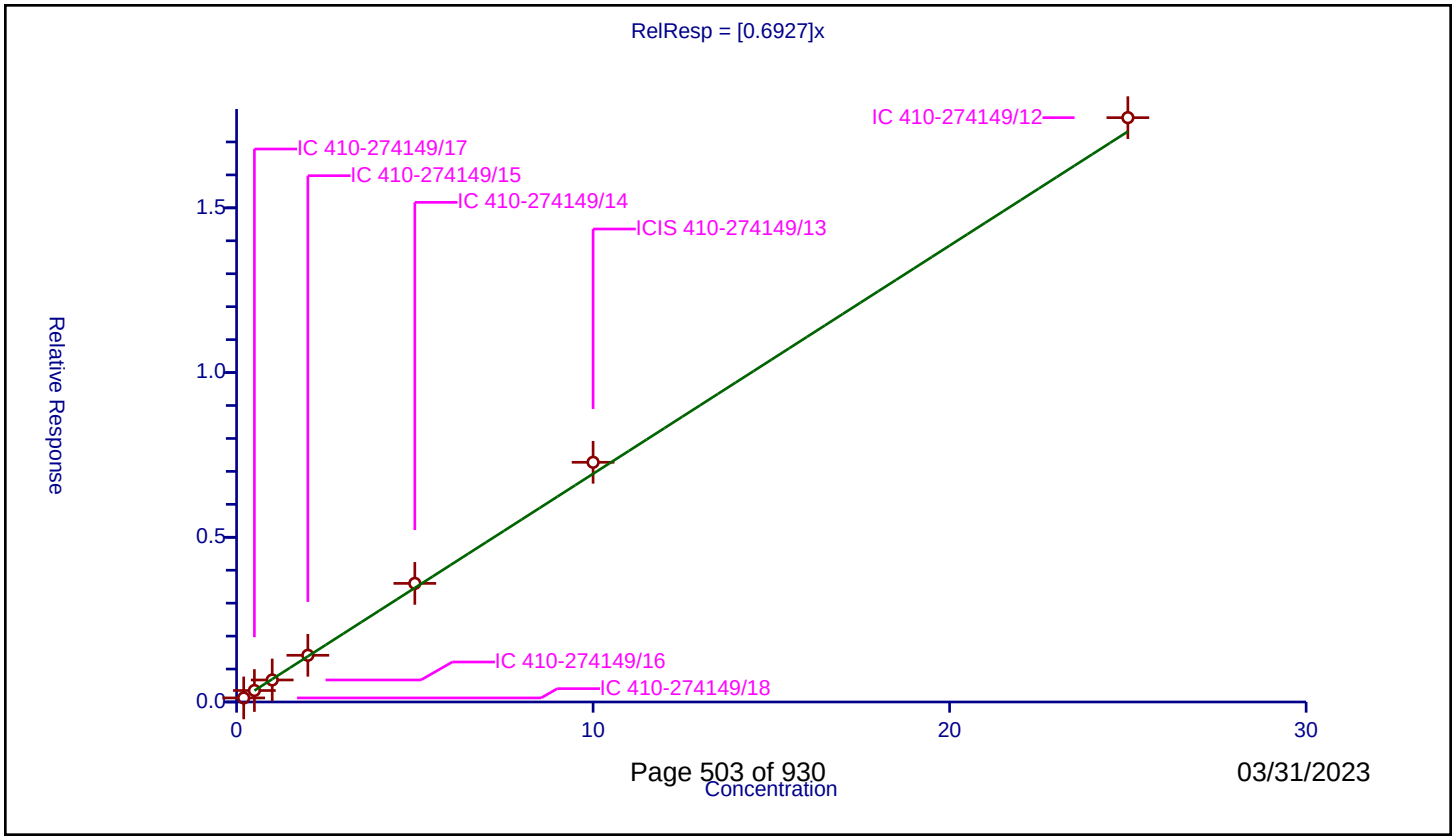
Curve Coefficients

Intercept:	0
Slope:	0.6927

Error Coefficients

Standard Error:	1700000
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 410-274149/18	0.2	0.123456	10.0	2085513.0	0.617282	Y
2	IC 410-274149/17	0.5	0.348646	10.0	2031490.0	0.697291	Y
3	IC 410-274149/16	1.0	0.668261	10.0	2037557.0	0.668261	Y
4	IC 410-274149/15	2.0	1.41755	10.0	2031307.0	0.708775	Y
5	IC 410-274149/14	5.0	3.600424	10.0	2106074.0	0.720085	Y
6	ICIS 410-274149/13	10.0	7.27635	10.0	2081655.0	0.727635	Y
7	IC 410-274149/12	25.0	17.737481	10.0	2132698.0	0.709499	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

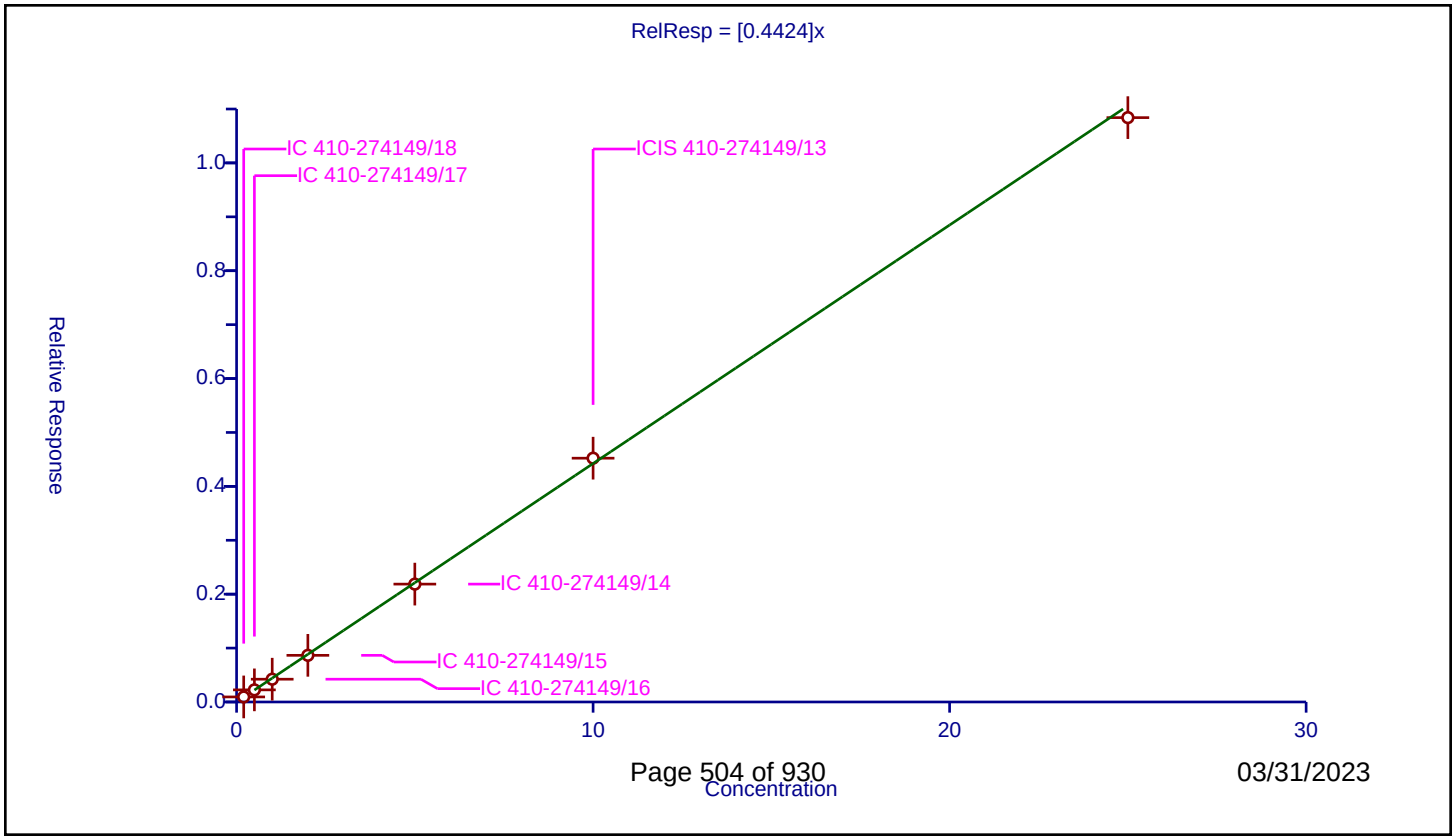
Curve Coefficients

Intercept:	0
Slope:	0.4424

Error Coefficients

Standard Error:	1040000
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 410-274149/18	0.2	0.093632	10.0	2085513.0	0.468158	Y
2	IC 410-274149/17	0.5	0.224909	10.0	2031490.0	0.449818	Y
3	IC 410-274149/16	1.0	0.422619	10.0	2037557.0	0.422619	Y
4	IC 410-274149/15	2.0	0.865566	10.0	2031307.0	0.432783	Y
5	IC 410-274149/14	5.0	2.186917	10.0	2106074.0	0.437383	Y
6	ICIS 410-274149/13	10.0	4.522709	10.0	2081655.0	0.452271	Y
7	IC 410-274149/12	25.0	10.840311	10.0	2132698.0	0.433612	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

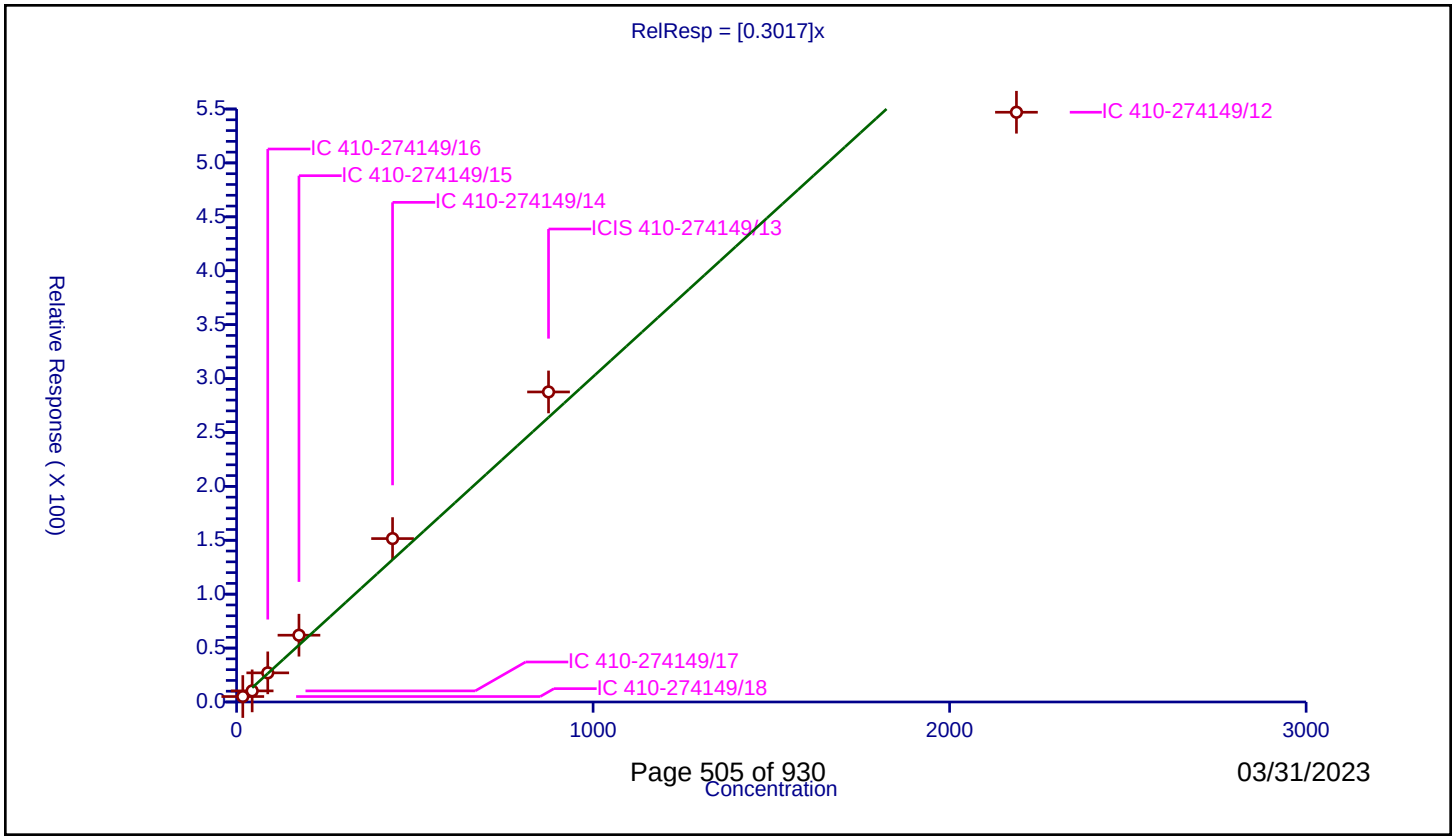
Curve Coefficients

Intercept:	0
Slope:	0.3017

Error Coefficients

Standard Error:	519000
Relative Standard Error:	15.3
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	17.5	5.046098	50.0	127772.0	0.288348	Y
2	IC 410-274149/17	43.75	10.301993	50.0	81790.0	0.235474	Y
3	IC 410-274149/16	87.5	27.034089	50.0	87066.0	0.308961	Y
4	IC 410-274149/15	175.0	61.933998	50.0	107663.0	0.353909	Y
5	IC 410-274149/14	437.5	151.551974	50.0	120975.0	0.346405	Y
6	ICIS 410-274149/13	875.0	287.572753	50.0	101370.0	0.328655	Y
7	IC 410-274149/12	2187.5	547.018187	50.0	96770.0	0.250065	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

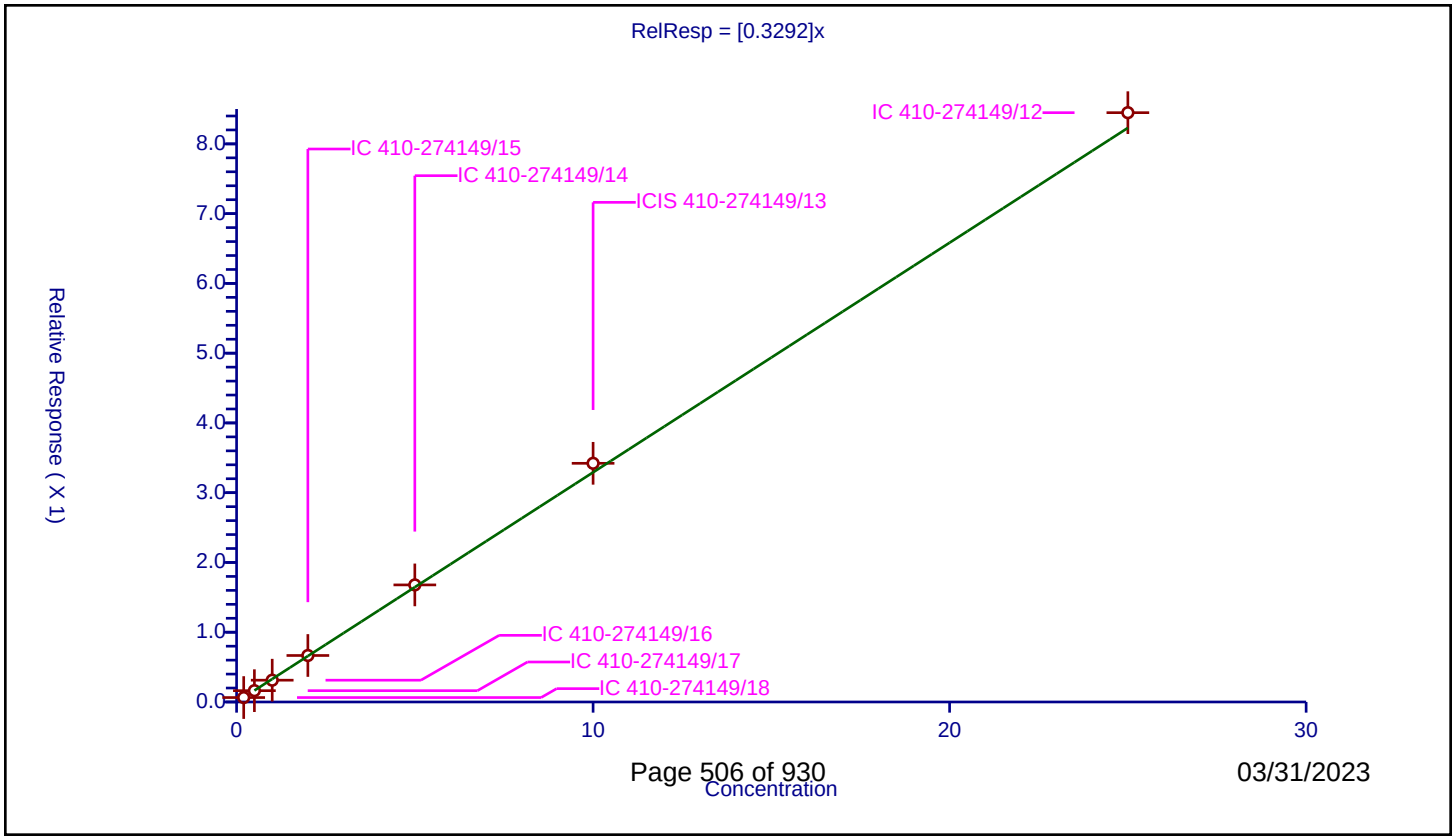
Curve Coefficients

Intercept:	0
Slope:	0.3292

Error Coefficients

Standard Error:	806000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.063649	10.0	2085513.0	0.318243	Y
2	IC 410-274149/17	0.5	0.162324	10.0	2031490.0	0.324648	Y
3	IC 410-274149/16	1.0	0.312408	10.0	2037557.0	0.312408	Y
4	IC 410-274149/15	2.0	0.666399	10.0	2031307.0	0.333199	Y
5	IC 410-274149/14	5.0	1.678265	10.0	2106074.0	0.335653	Y
6	ICIS 410-274149/13	10.0	3.42148	10.0	2081655.0	0.342148	Y
7	IC 410-274149/12	25.0	8.447713	10.0	2132698.0	0.337909	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

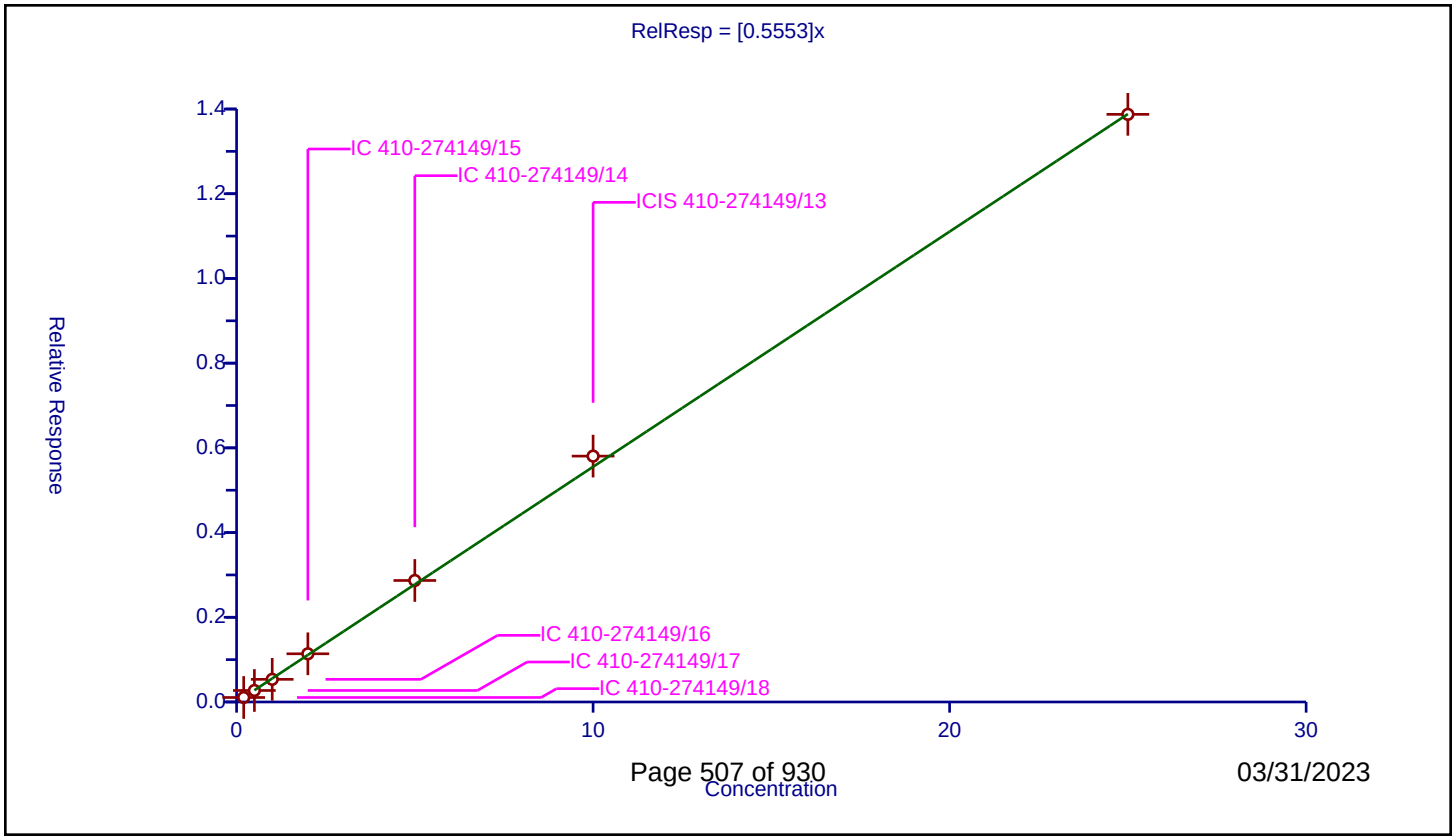
Curve Coefficients

Intercept:	0
Slope:	0.5553

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.10596	10.0	2085513.0	0.529798	Y
2	IC 410-274149/17	0.5	0.271899	10.0	2031490.0	0.543798	Y
3	IC 410-274149/16	1.0	0.535033	10.0	2037557.0	0.535033	Y
4	IC 410-274149/15	2.0	1.138179	10.0	2031307.0	0.569089	Y
5	IC 410-274149/14	5.0	2.868859	10.0	2106074.0	0.573772	Y
6	ICIS 410-274149/13	10.0	5.804929	10.0	2081655.0	0.580493	Y
7	IC 410-274149/12	25.0	13.873854	10.0	2132698.0	0.554954	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

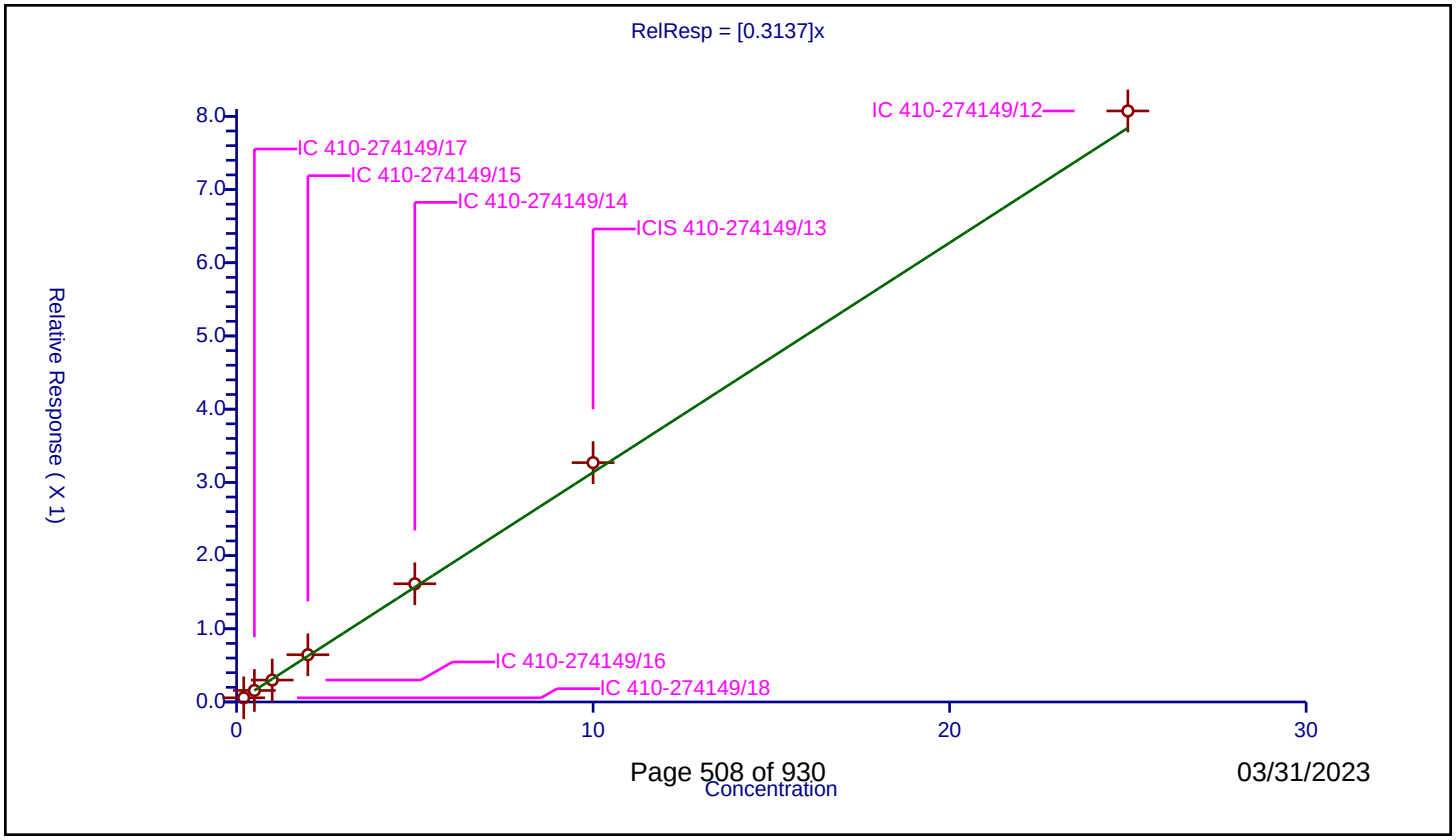
Curve Coefficients

Intercept:	0
Slope:	0.3137

Error Coefficients

Standard Error:	771000
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 410-274149/18	0.2	0.057175	10.0	2085513.0	0.285877	Y
2	IC 410-274149/17	0.5	0.157397	10.0	2031490.0	0.314794	Y
3	IC 410-274149/16	1.0	0.299511	10.0	2037557.0	0.299511	Y
4	IC 410-274149/15	2.0	0.645397	10.0	2031307.0	0.322699	Y
5	IC 410-274149/14	5.0	1.614502	10.0	2106074.0	0.3229	Y
6	ICIS 410-274149/13	10.0	3.269485	10.0	2081655.0	0.326949	Y
7	IC 410-274149/12	25.0	8.073347	10.0	2132698.0	0.322934	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

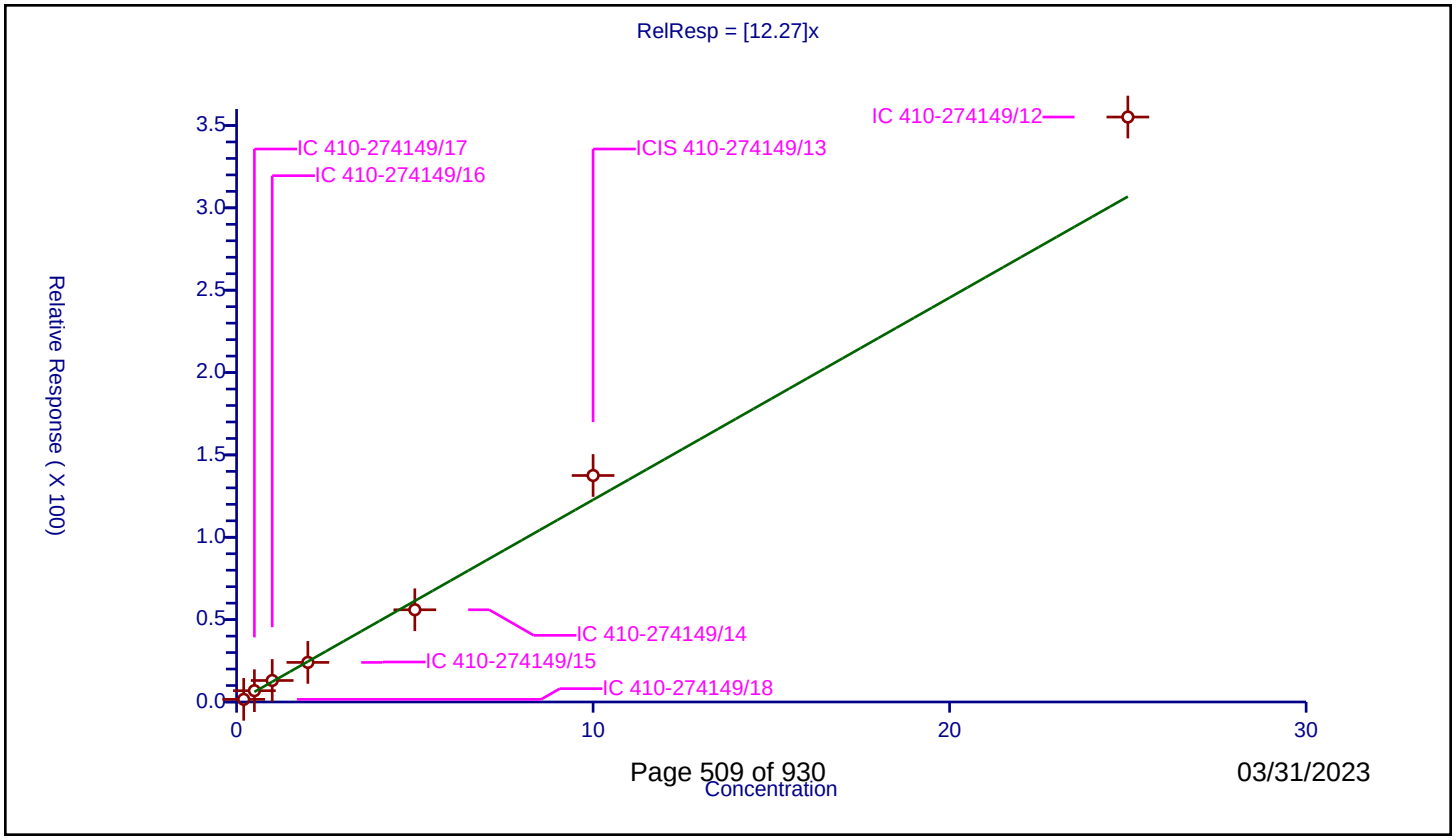
Curve Coefficients

Intercept:	0
Slope:	12.27

Error Coefficients

Standard Error:	309000
Relative Standard Error:	17.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	1.593463	50.0	127772.0	7.967317	Y
2	IC 410-274149/17	0.5	6.862697	50.0	81790.0	13.725394	Y
3	IC 410-274149/16	1.0	13.051019	50.0	87066.0	13.051019	Y
4	IC 410-274149/15	2.0	24.040757	50.0	107663.0	12.020378	Y
5	IC 410-274149/14	5.0	55.99256	50.0	120975.0	11.198512	Y
6	ICIS 410-274149/13	10.0	137.509125	50.0	101370.0	13.750912	Y
7	IC 410-274149/12	25.0	355.128139	50.0	96770.0	14.205126	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

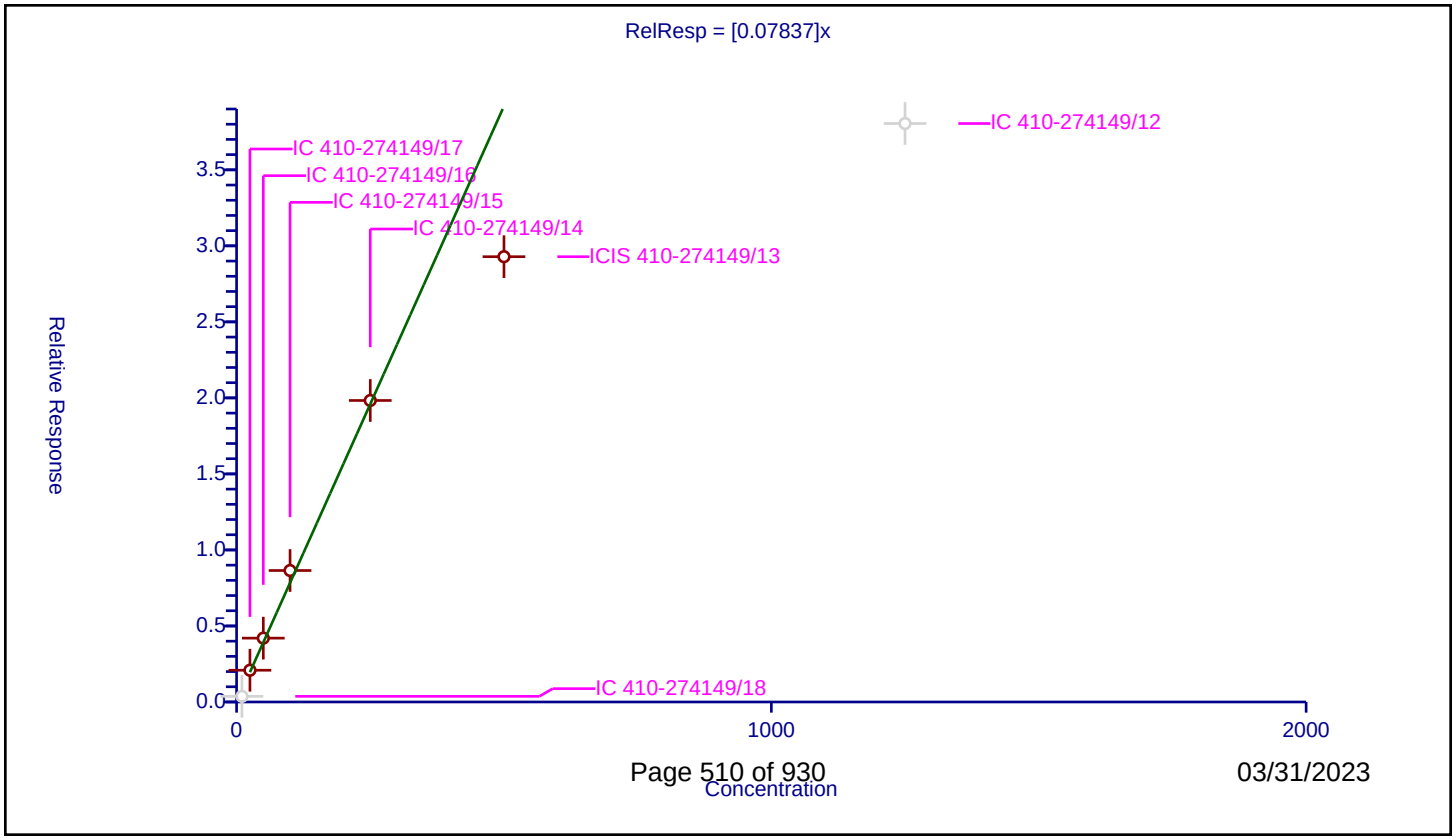
Curve Coefficients

Intercept:	0
Slope:	0.07837

Error Coefficients

Standard Error:	39500
Relative Standard Error:	14.5
Correlation Coefficient:	0.905
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	10.0	0.370582	50.0	127772.0	0.037058	N
2	IC 410-274149/17	25.0	2.087664	50.0	81790.0	0.083507	Y
3	IC 410-274149/16	50.0	4.199113	50.0	87066.0	0.083982	Y
4	IC 410-274149/15	100.0	8.648282	50.0	107663.0	0.086483	Y
5	IC 410-274149/14	250.0	19.829304	50.0	120975.0	0.079317	Y
6	ICIS 410-274149/13	500.0	29.287264	50.0	101370.0	0.058575	Y
7	IC 410-274149/12	1250.0	38.046399	50.0	96770.0	0.030437	N



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

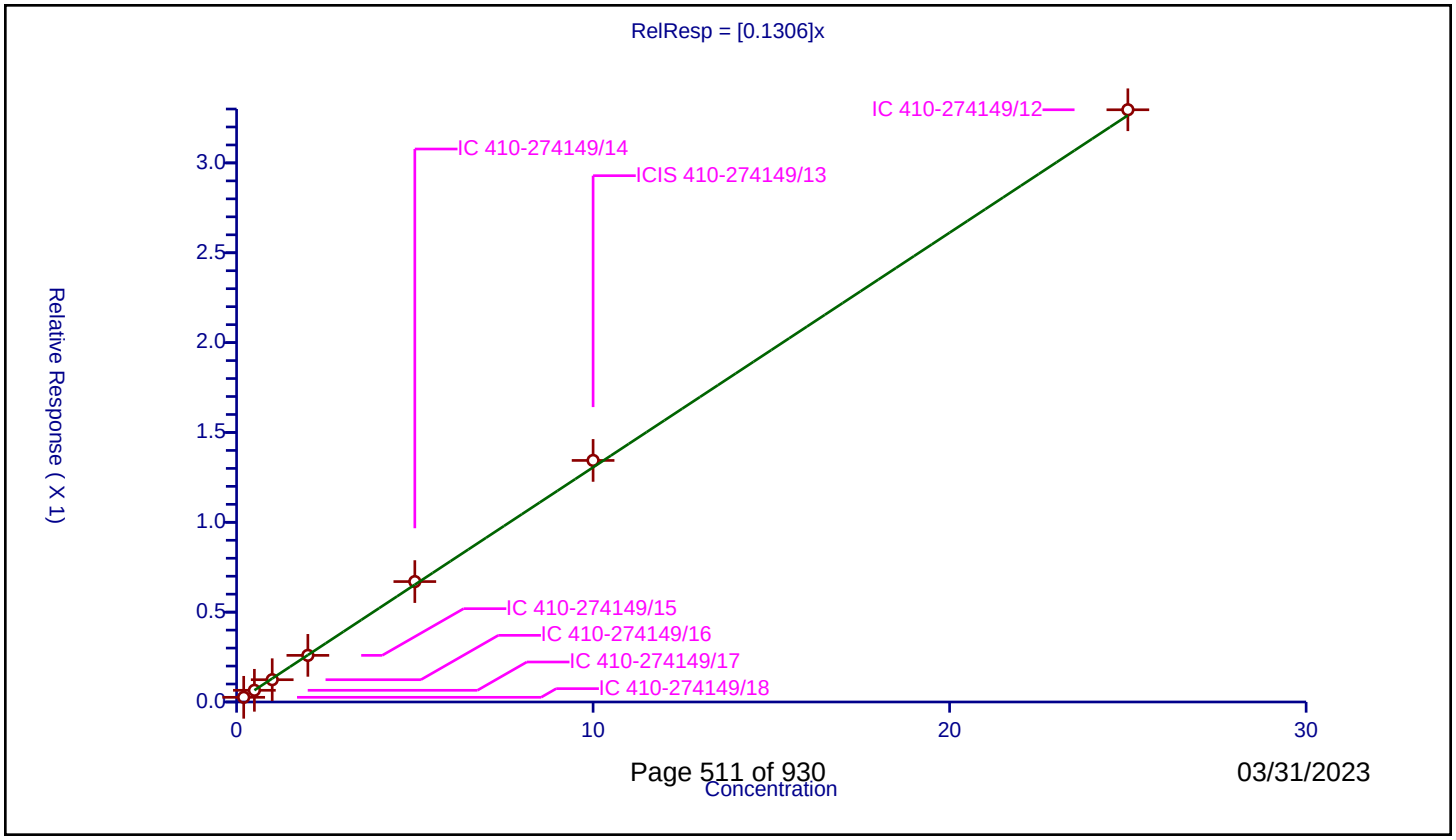
Curve Coefficients

Intercept:	0
Slope:	0.1306

Error Coefficients

Standard Error:	315000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.026013	10.0	2085513.0	0.130064	Y
2	IC 410-274149/17	0.5	0.065031	10.0	2031490.0	0.130062	Y
3	IC 410-274149/16	1.0	0.123987	10.0	2037557.0	0.123987	Y
4	IC 410-274149/15	2.0	0.259532	10.0	2031307.0	0.129766	Y
5	IC 410-274149/14	5.0	0.670152	10.0	2106074.0	0.13403	Y
6	ICIS 410-274149/13	10.0	1.344253	10.0	2081655.0	0.134425	Y
7	IC 410-274149/12	25.0	3.295882	10.0	2132698.0	0.131835	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

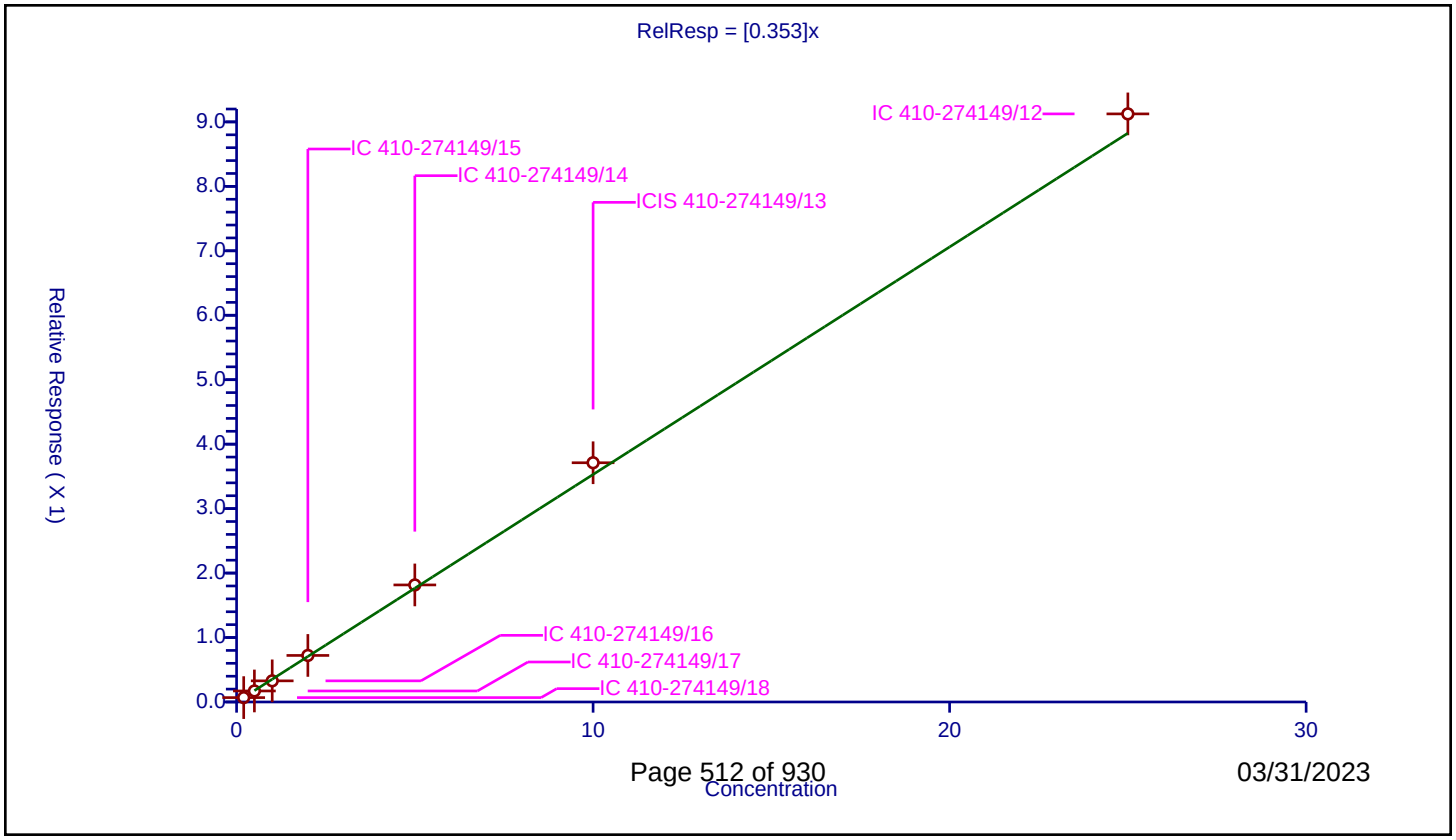
Curve Coefficients

Intercept:	0
Slope:	0.353

Error Coefficients

Standard Error:	872000
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 410-274149/18	0.2	0.068002	10.0	2085513.0	0.340012	Y
2	IC 410-274149/17	0.5	0.171234	10.0	2031490.0	0.342468	Y
3	IC 410-274149/16	1.0	0.32804	10.0	2037557.0	0.32804	Y
4	IC 410-274149/15	2.0	0.722092	10.0	2031307.0	0.361046	Y
5	IC 410-274149/14	5.0	1.816147	10.0	2106074.0	0.363229	Y
6	ICIS 410-274149/13	10.0	3.711926	10.0	2081655.0	0.371193	Y
7	IC 410-274149/12	25.0	9.124091	10.0	2132698.0	0.364964	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

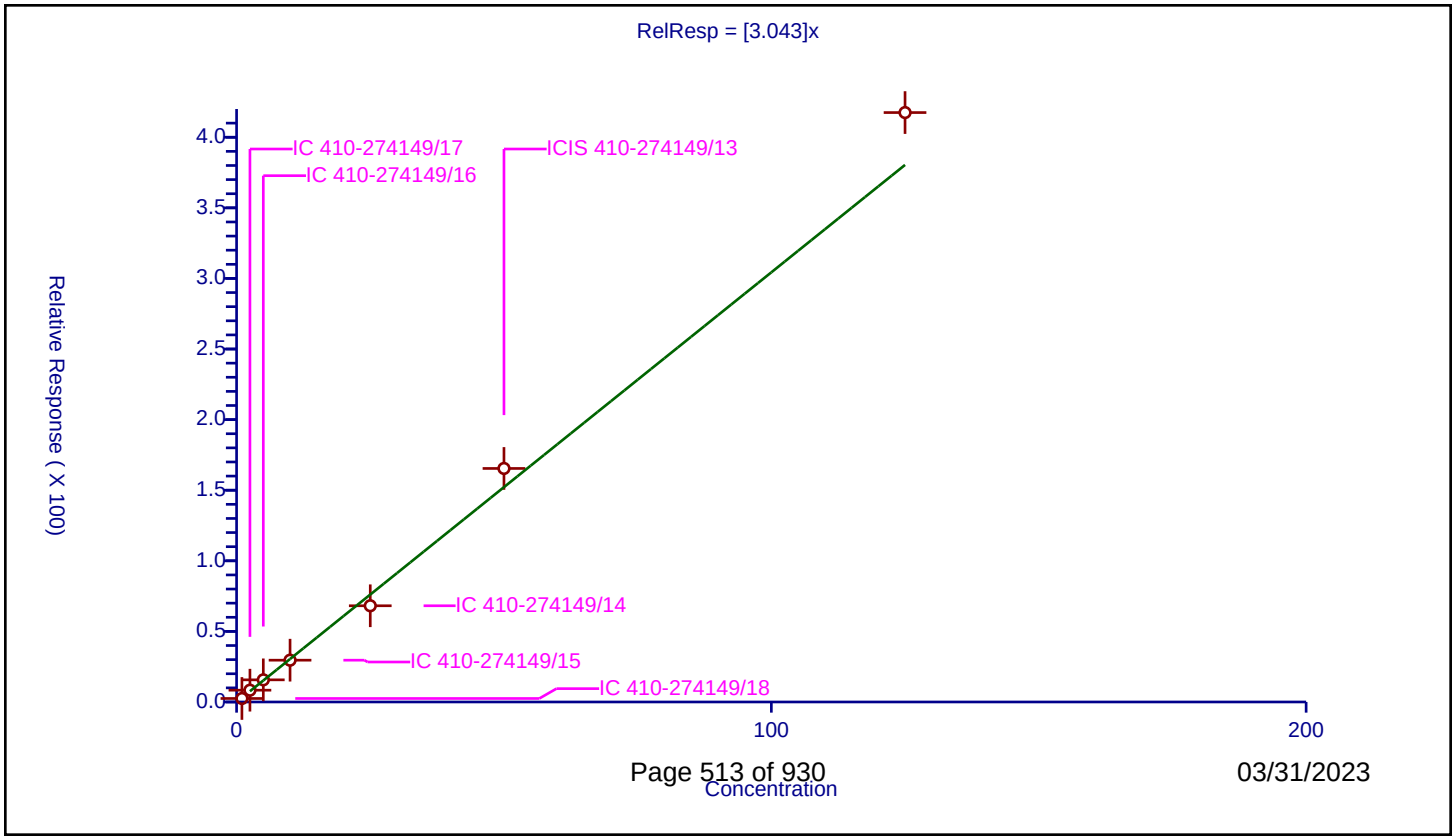
Curve Coefficients

Intercept:	0
Slope:	3.043

Error Coefficients

Standard Error:	364000
Relative Standard Error:	11.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	1.0	2.48646	50.0	127772.0	2.48646	Y
2	IC 410-274149/17	2.5	8.364103	50.0	81790.0	3.345641	Y
3	IC 410-274149/16	5.0	15.680633	50.0	87066.0	3.136127	Y
4	IC 410-274149/15	10.0	29.607665	50.0	107663.0	2.960766	Y
5	IC 410-274149/14	25.0	68.152924	50.0	120975.0	2.726117	Y
6	ICIS 410-274149/13	50.0	165.41679	50.0	101370.0	3.308336	Y
7	IC 410-274149/12	125.0	417.486308	50.0	96770.0	3.33989	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

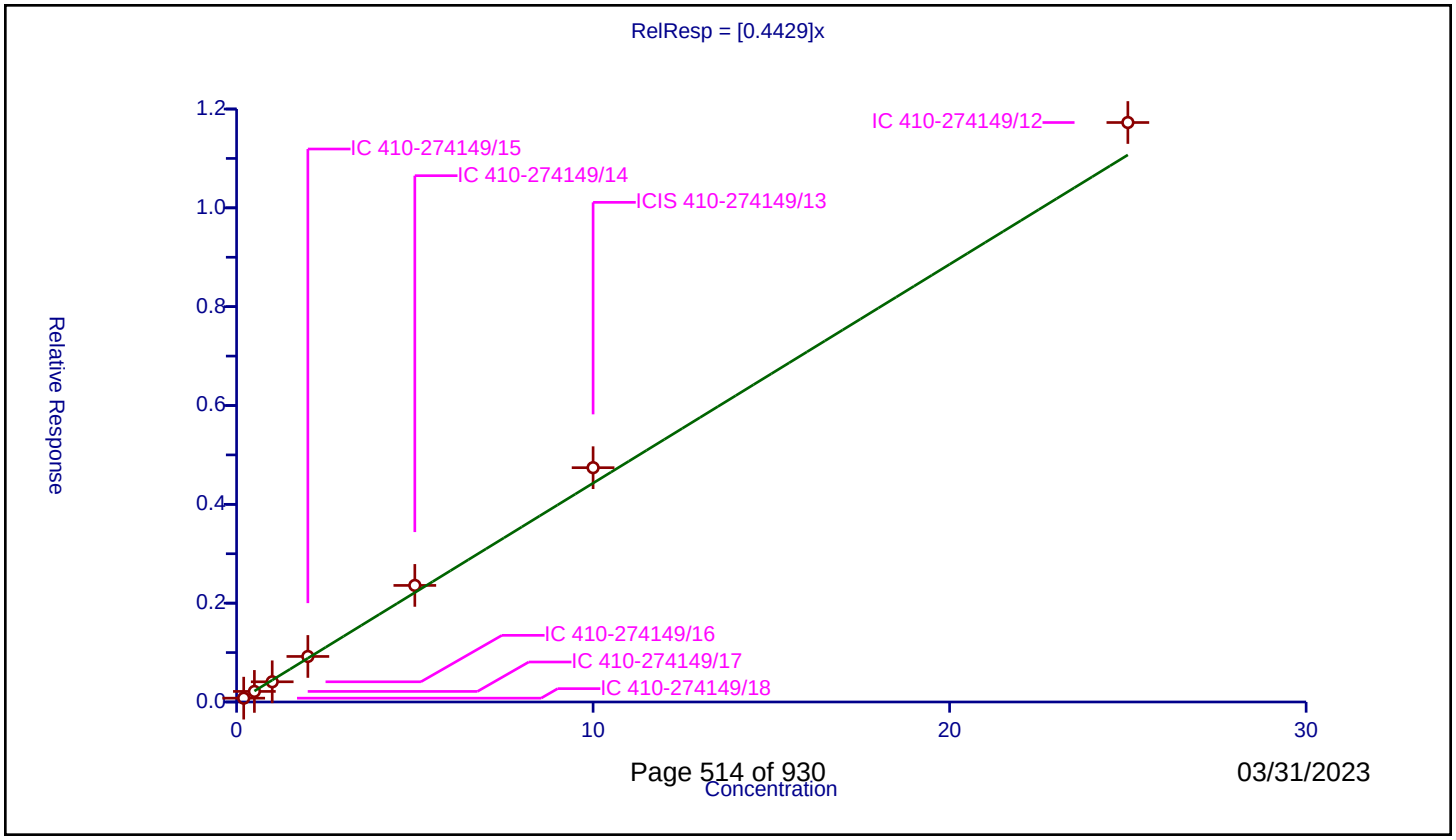
Curve Coefficients

Intercept:	0
Slope:	0.4429

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.077607	10.0	2085513.0	0.388034	Y
2	IC 410-274149/17	0.5	0.21371	10.0	2031490.0	0.42742	Y
3	IC 410-274149/16	1.0	0.408847	10.0	2037557.0	0.408847	Y
4	IC 410-274149/15	2.0	0.921323	10.0	2031307.0	0.460662	Y
5	IC 410-274149/14	5.0	2.358849	10.0	2106074.0	0.47177	Y
6	ICIS 410-274149/13	10.0	4.741424	10.0	2081655.0	0.474142	Y
7	IC 410-274149/12	25.0	11.727099	10.0	2132698.0	0.469084	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

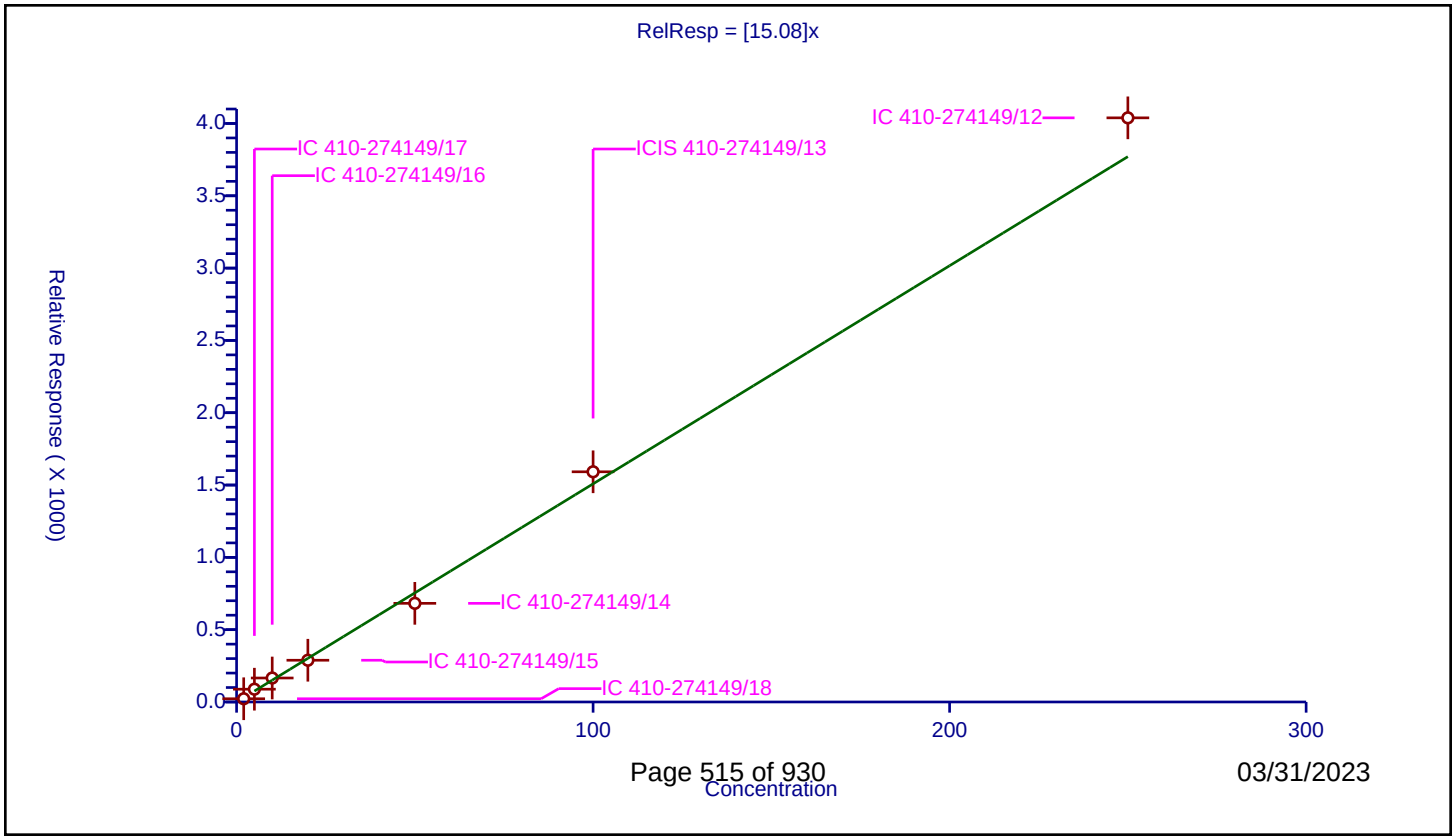
Curve Coefficients

Intercept:	0
Slope:	15.08

Error Coefficients

Standard Error:	3530000
Relative Standard Error:	14.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	2.0	22.324531	50.0	127772.0	11.162266	Y
2	IC 410-274149/17	5.0	88.438073	50.0	81790.0	17.687615	Y
3	IC 410-274149/16	10.0	165.773092	50.0	87066.0	16.577309	Y
4	IC 410-274149/15	20.0	288.685528	50.0	107663.0	14.434276	Y
5	IC 410-274149/14	50.0	682.126059	50.0	120975.0	13.642521	Y
6	ICIS 410-274149/13	100.0	1591.751998	50.0	101370.0	15.91752	Y
7	IC 410-274149/12	250.0	4038.931487	50.0	96770.0	16.155726	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

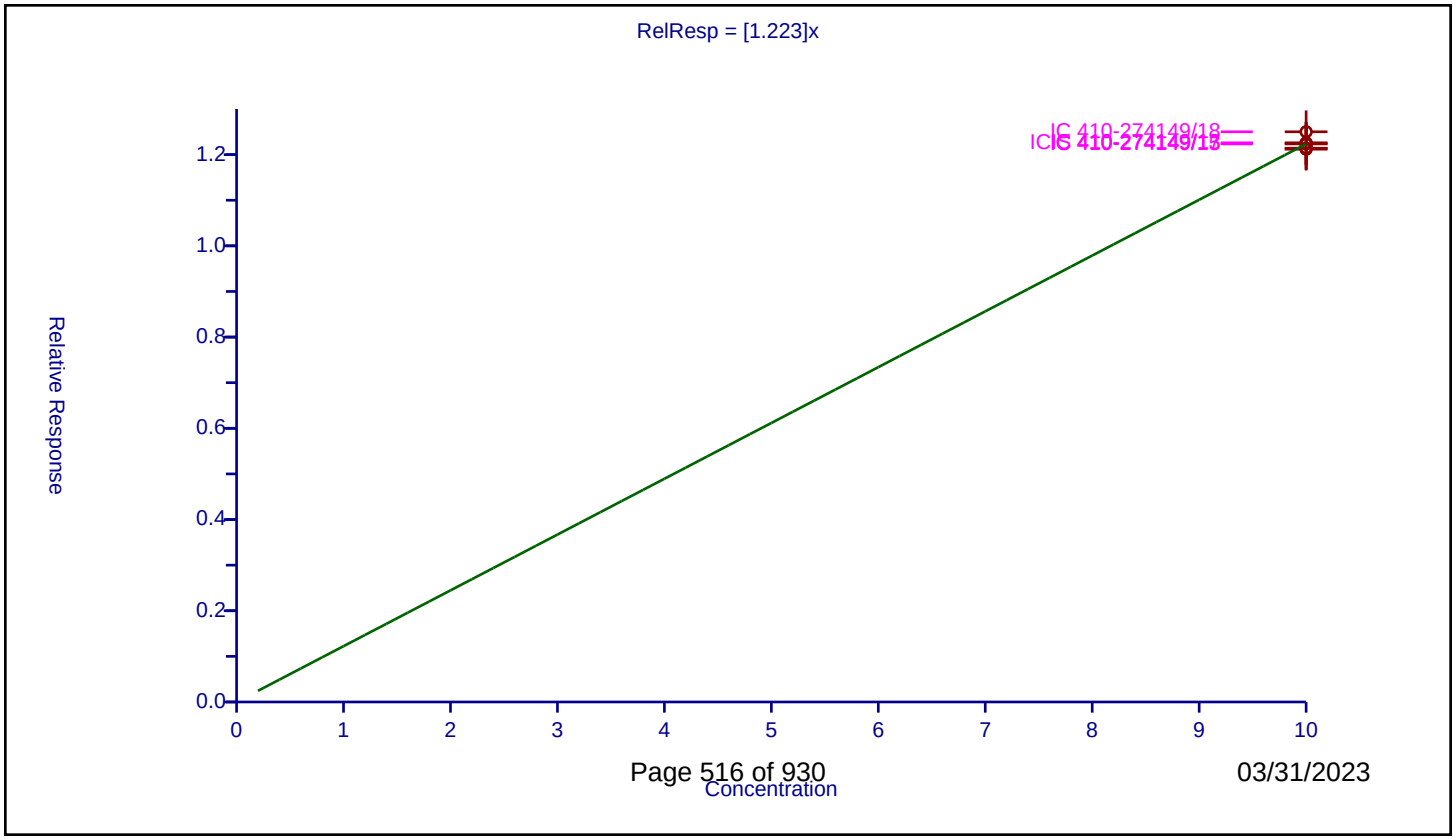
Curve Coefficients

Intercept:	0
Slope:	1.223

Error Coefficients

Standard Error:	2430000
Relative Standard Error:	1.1
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0.000000000000000222

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/12	10.0	12.137976	10.0	1927449.0	1.213798	Y
2	ICIS 410-274149/13	10.0	12.244471	10.0	1866823.0	1.224447	Y
3	IC 410-274149/14	10.0	12.119056	10.0	1880356.0	1.211906	Y
4	IC 410-274149/15	10.0	12.234589	10.0	1814146.0	1.223459	Y
5	IC 410-274149/16	10.0	12.140099	10.0	1802515.0	1.21401	Y
6	IC 410-274149/17	10.0	12.259191	10.0	1783683.0	1.225919	Y
7	IC 410-274149/18	10.0	12.500747	10.0	1804145.0	1.250075	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

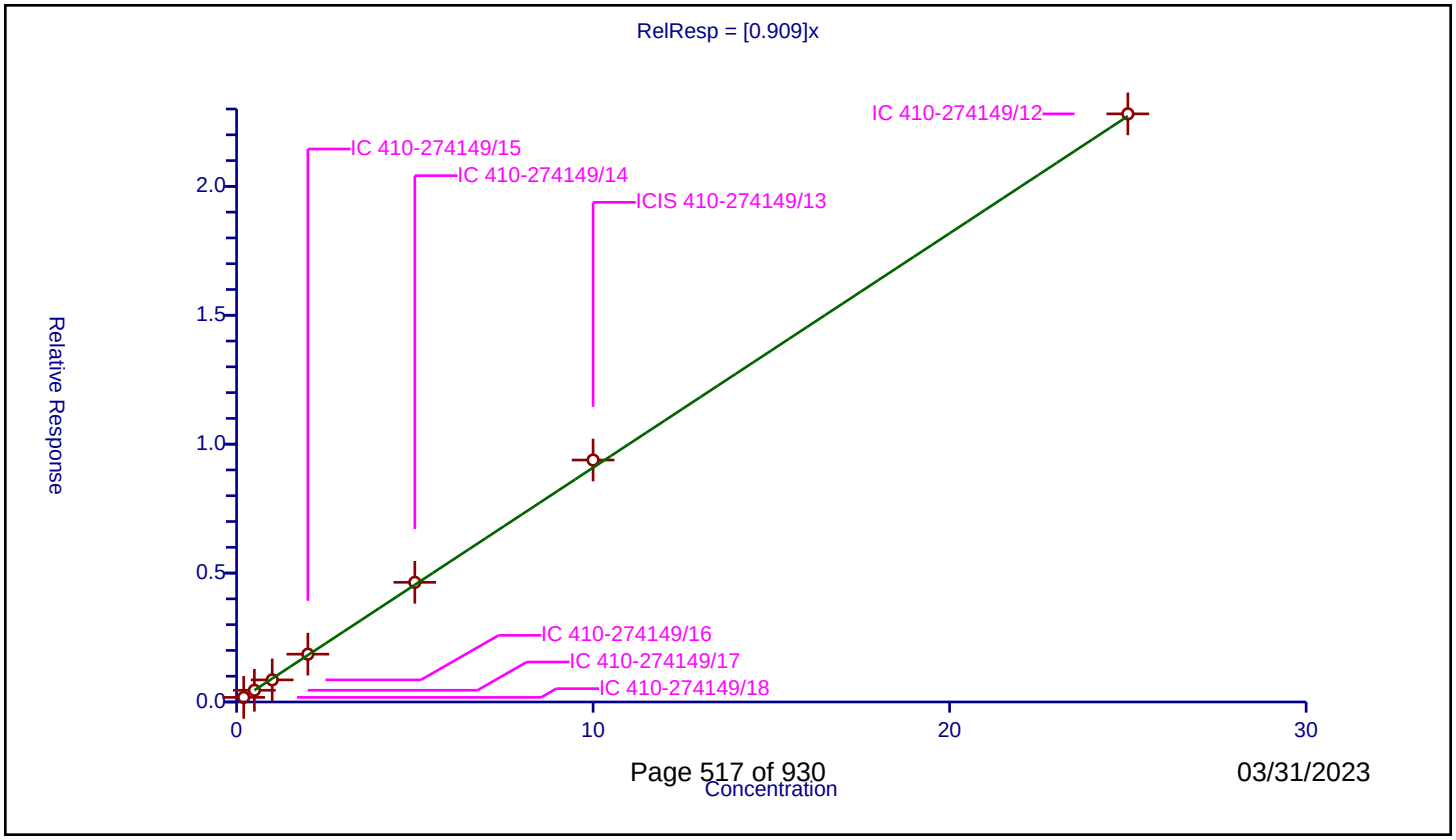
Curve Coefficients

Intercept:	0
Slope:	0.909

Error Coefficients

Standard Error:	1970000
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 410-274149/18	0.2	0.178012	10.0	1804145.0	0.890061	Y
2	IC 410-274149/17	0.5	0.454431	10.0	1783683.0	0.908861	Y
3	IC 410-274149/16	1.0	0.857175	10.0	1802515.0	0.857175	Y
4	IC 410-274149/15	2.0	1.855391	10.0	1814146.0	0.927695	Y
5	IC 410-274149/14	5.0	4.6411	10.0	1880356.0	0.92822	Y
6	ICIS 410-274149/13	10.0	9.38458	10.0	1866823.0	0.938458	Y
7	IC 410-274149/12	25.0	22.812137	10.0	1927449.0	0.912485	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

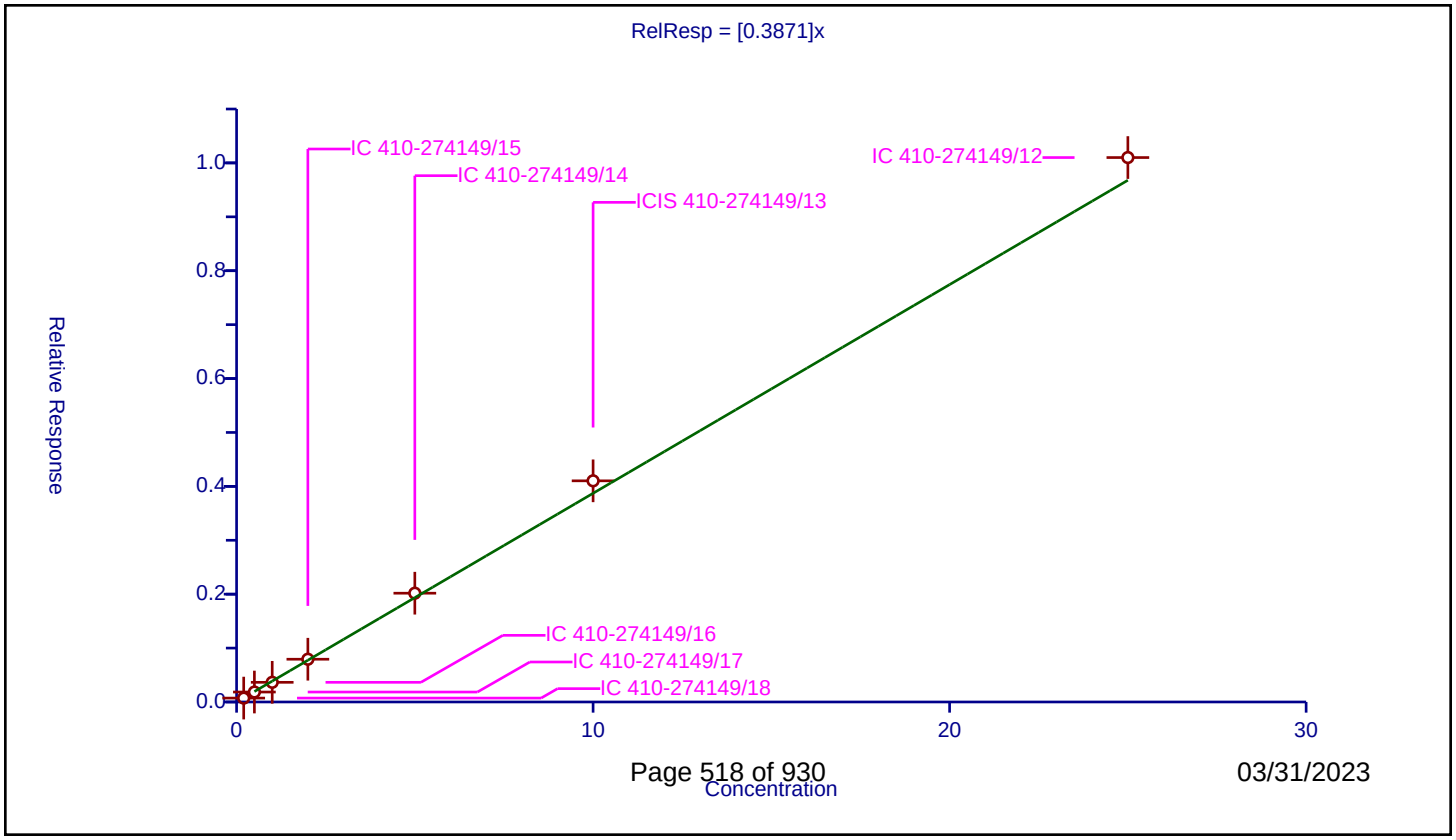
Curve Coefficients

Intercept:	0
Slope:	0.3871

Error Coefficients

Standard Error:	870000
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 410-274149/18	0.2	0.072278	10.0	1804145.0	0.36139	Y
2	IC 410-274149/17	0.5	0.184607	10.0	1783683.0	0.369214	Y
3	IC 410-274149/16	1.0	0.364901	10.0	1802515.0	0.364901	Y
4	IC 410-274149/15	2.0	0.793189	10.0	1814146.0	0.396594	Y
5	IC 410-274149/14	5.0	2.018267	10.0	1880356.0	0.403653	Y
6	ICIS 410-274149/13	10.0	4.102521	10.0	1866823.0	0.410252	Y
7	IC 410-274149/12	25.0	10.099676	10.0	1927449.0	0.403987	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

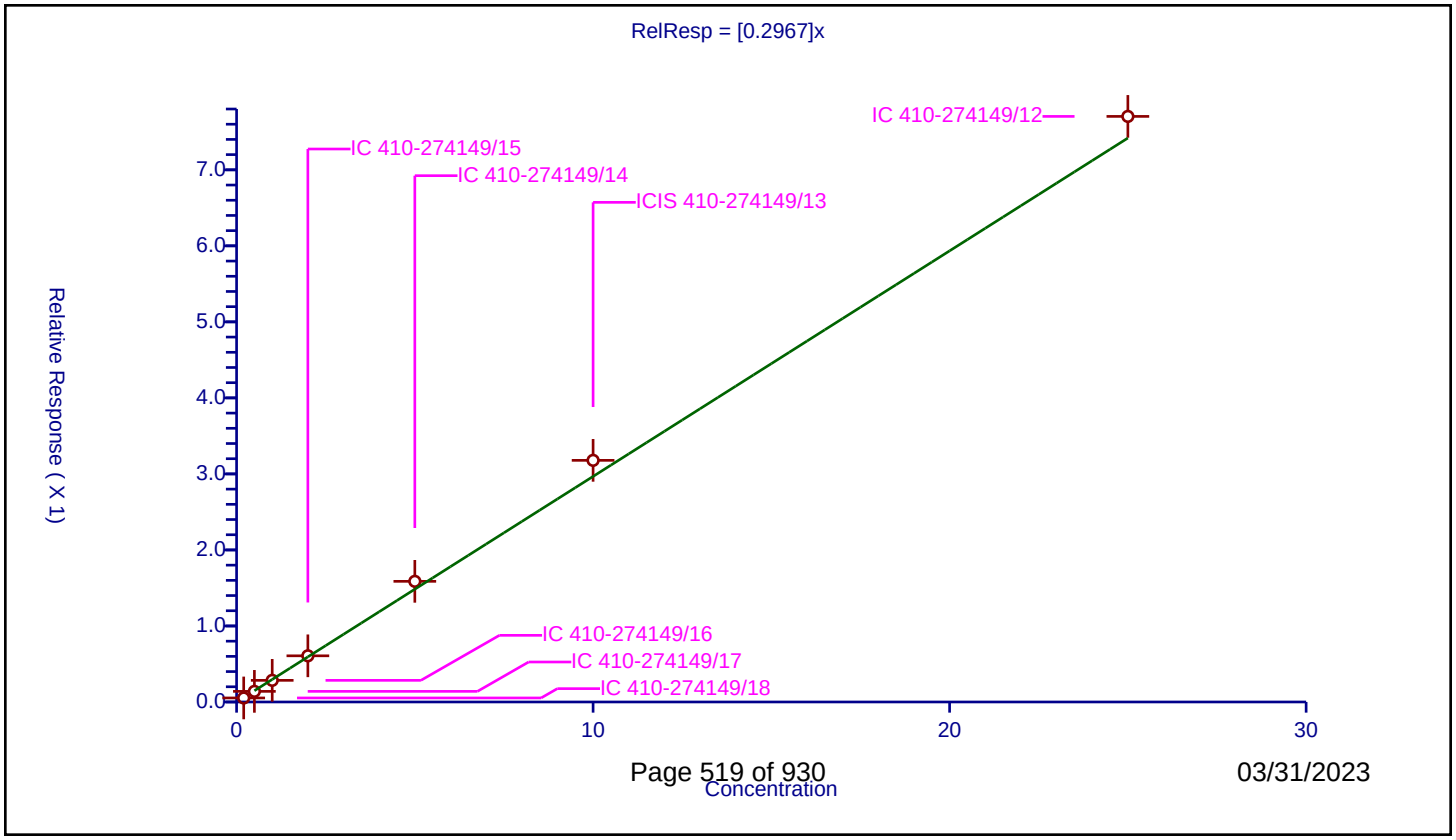
Curve Coefficients

Intercept:	0
Slope:	0.2967

Error Coefficients

Standard Error:	666000
Relative Standard Error:	6.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.053083	10.0	1804145.0	0.265417	Y
2	IC 410-274149/17	0.5	0.139874	10.0	1783683.0	0.279747	Y
3	IC 410-274149/16	1.0	0.284719	10.0	1802515.0	0.284719	Y
4	IC 410-274149/15	2.0	0.607459	10.0	1814146.0	0.30373	Y
5	IC 410-274149/14	5.0	1.58721	10.0	1880356.0	0.317442	Y
6	ICIS 410-274149/13	10.0	3.178523	10.0	1866823.0	0.317852	Y
7	IC 410-274149/12	25.0	7.702808	10.0	1927449.0	0.308112	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

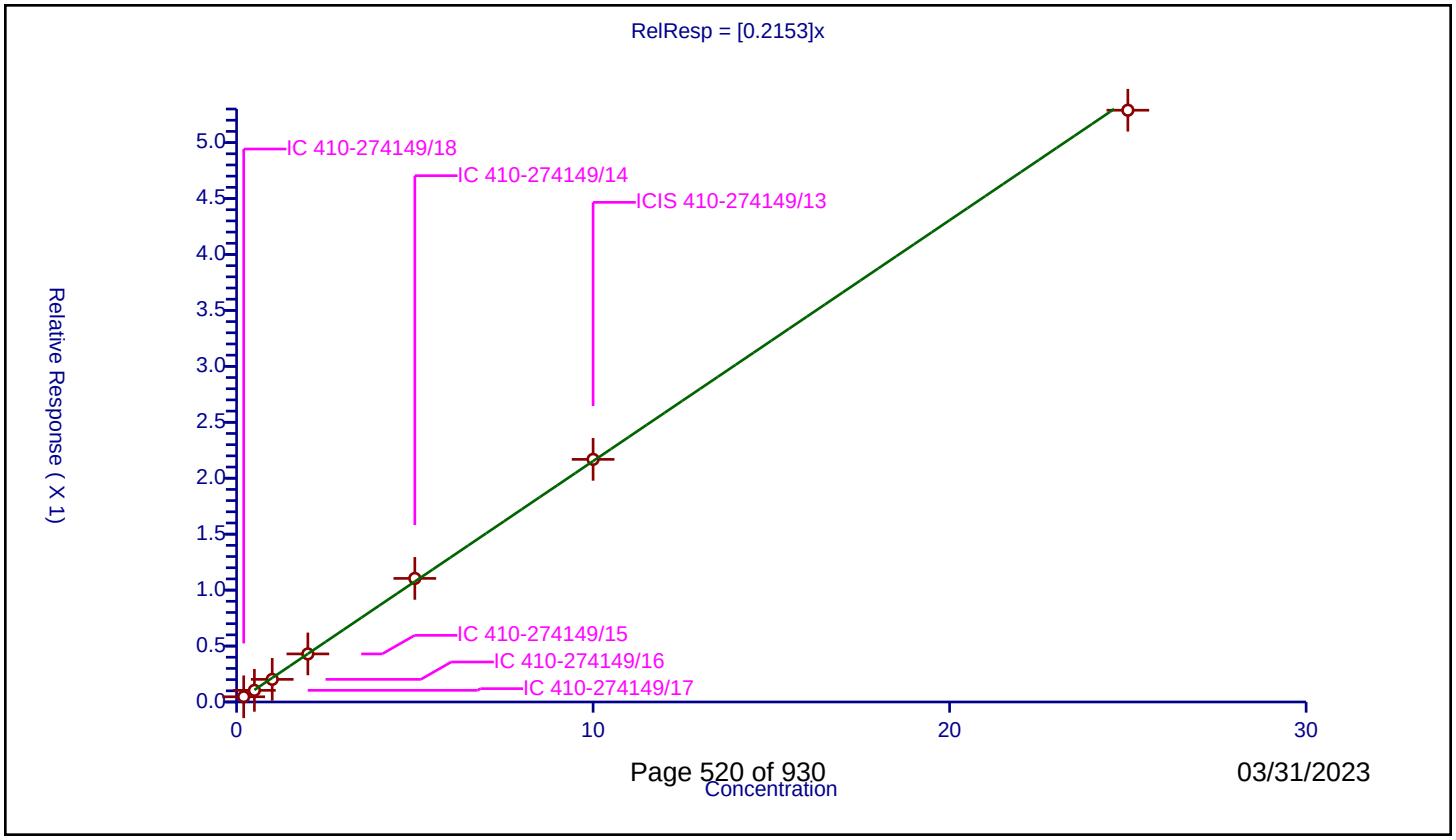
Curve Coefficients

Intercept:	0
Slope:	0.2153

Error Coefficients

Standard Error:	457000
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 410-274149/18	0.2	0.046515	10.0	1804145.0	0.232576	Y
2	IC 410-274149/17	0.5	0.104032	10.0	1783683.0	0.208064	Y
3	IC 410-274149/16	1.0	0.202284	10.0	1802515.0	0.202284	Y
4	IC 410-274149/15	2.0	0.429695	10.0	1814146.0	0.214848	Y
5	IC 410-274149/14	5.0	1.104504	10.0	1880356.0	0.220901	Y
6	ICIS 410-274149/13	10.0	2.168615	10.0	1866823.0	0.216861	Y
7	IC 410-274149/12	25.0	5.289312	10.0	1927449.0	0.211572	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

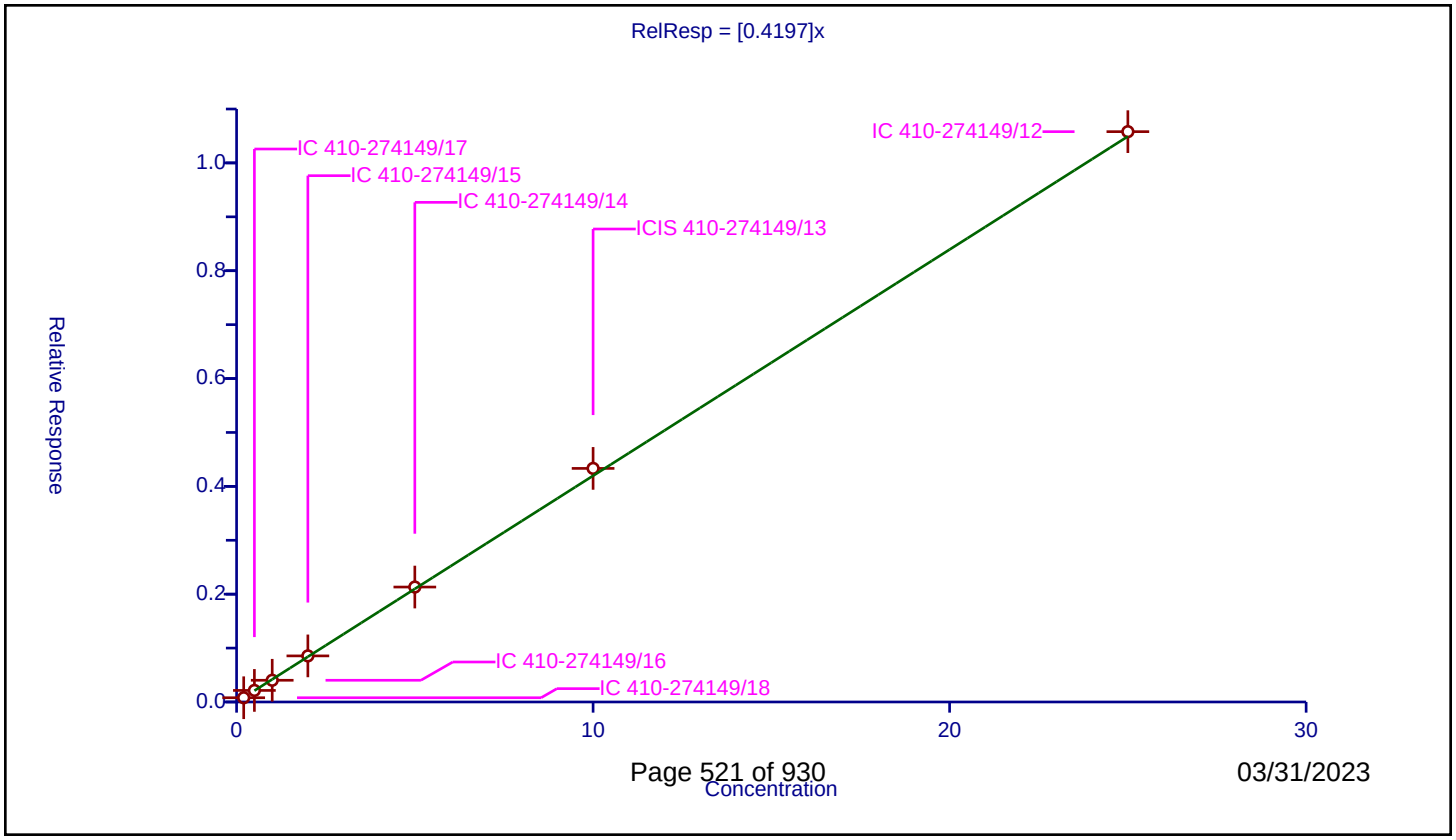
Curve Coefficients

Intercept:	0
Slope:	0.4197

Error Coefficients

Standard Error:	913000
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 410-274149/18	0.2	0.079046	10.0	1804145.0	0.395229	Y
2	IC 410-274149/17	0.5	0.214494	10.0	1783683.0	0.428989	Y
3	IC 410-274149/16	1.0	0.402948	10.0	1802515.0	0.402948	Y
4	IC 410-274149/15	2.0	0.85492	10.0	1814146.0	0.42746	Y
5	IC 410-274149/14	5.0	2.132181	10.0	1880356.0	0.426436	Y
6	ICIS 410-274149/13	10.0	4.333228	10.0	1866823.0	0.433323	Y
7	IC 410-274149/12	25.0	10.579772	10.0	1927449.0	0.423191	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

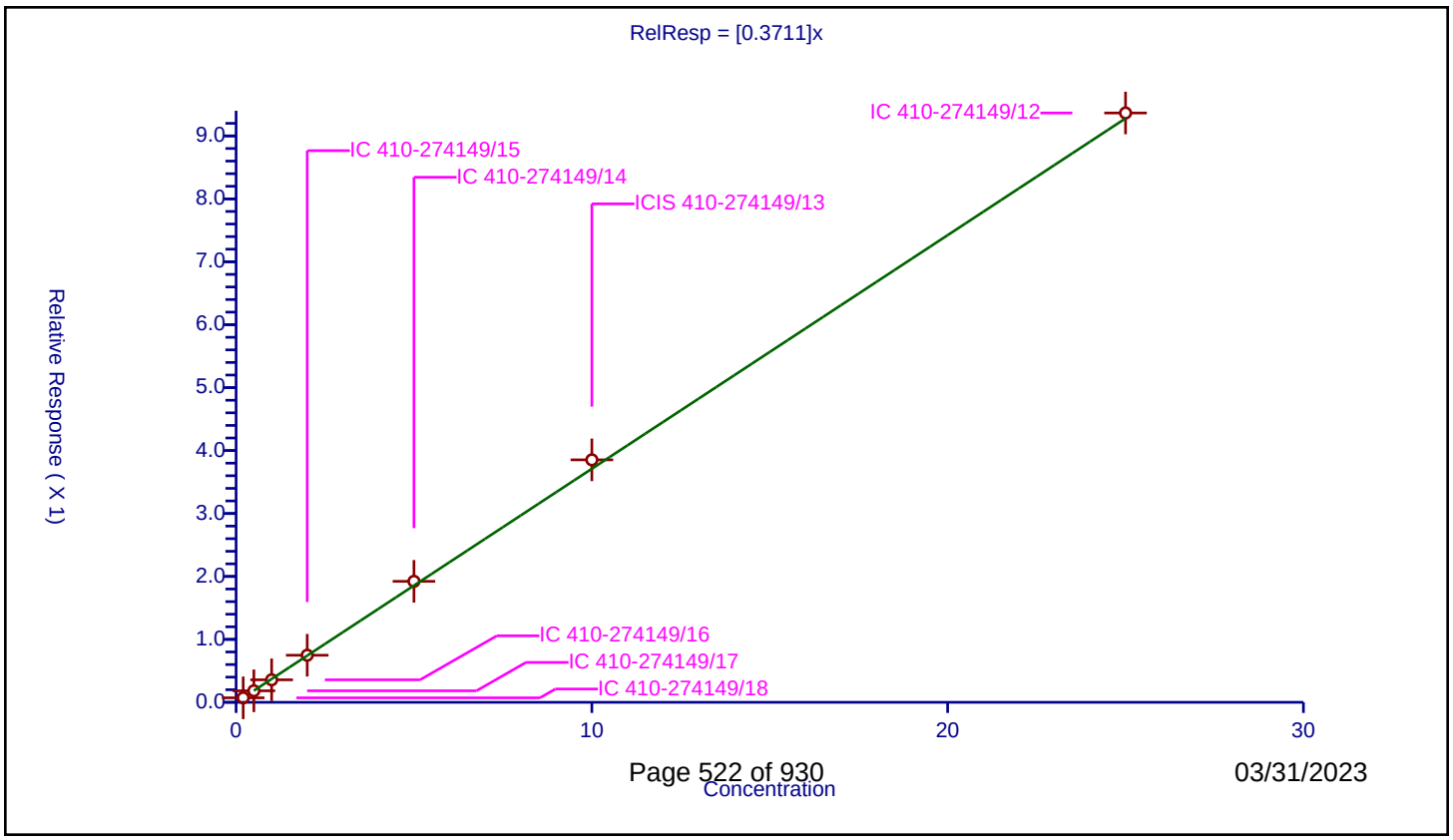
Curve Coefficients

Intercept:	0
Slope:	0.3711

Error Coefficients

Standard Error:	809000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.071186	10.0	1804145.0	0.35593	Y
2	IC 410-274149/17	0.5	0.183026	10.0	1783683.0	0.366052	Y
3	IC 410-274149/16	1.0	0.357584	10.0	1802515.0	0.357584	Y
4	IC 410-274149/15	2.0	0.748176	10.0	1814146.0	0.374088	Y
5	IC 410-274149/14	5.0	1.922503	10.0	1880356.0	0.384501	Y
6	ICIS 410-274149/13	10.0	3.852797	10.0	1866823.0	0.38528	Y
7	IC 410-274149/12	25.0	9.364492	10.0	1927449.0	0.37458	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

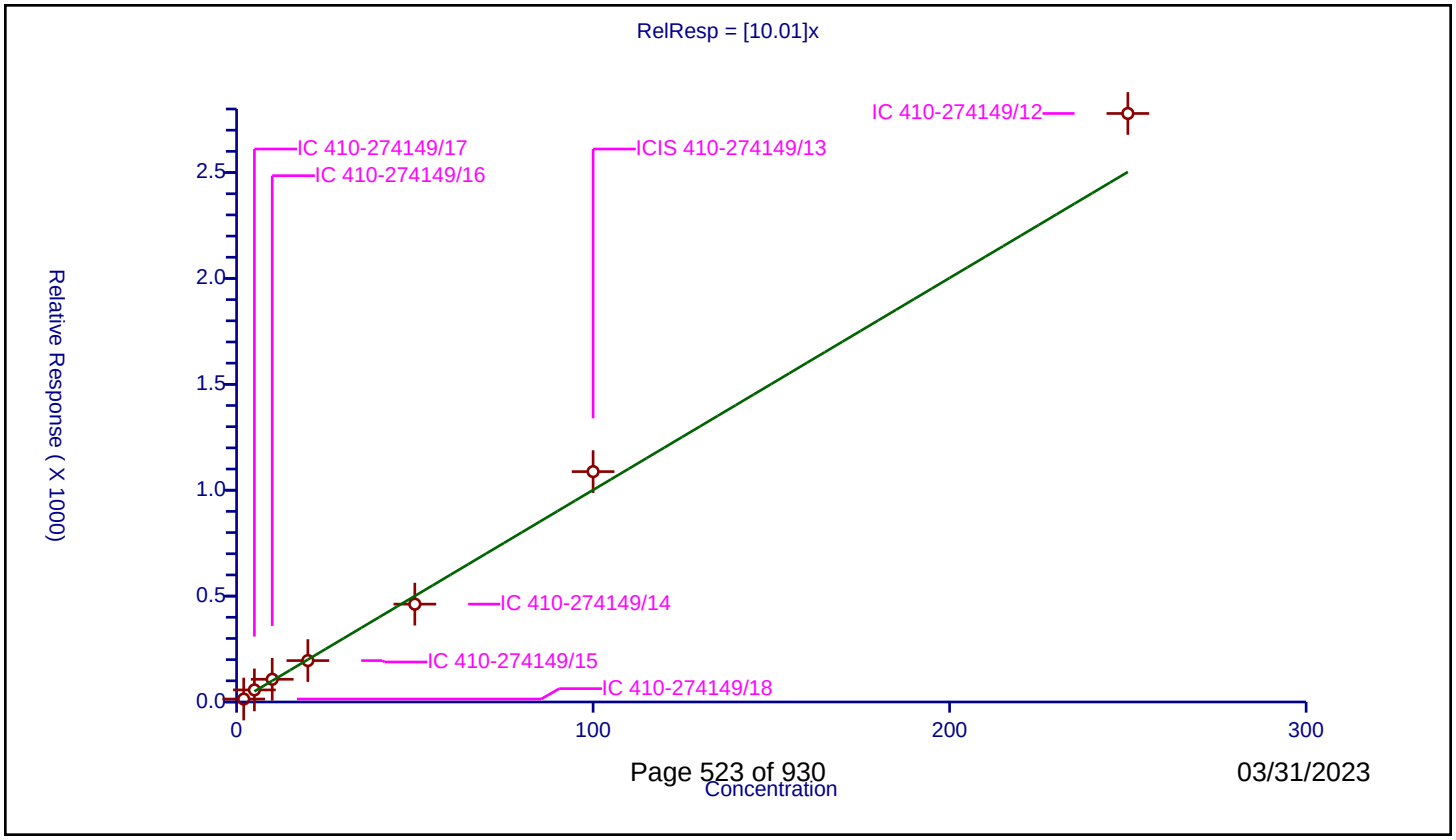
Curve Coefficients

Intercept:	0
Slope:	10.01

Error Coefficients

Standard Error:	2420000
Relative Standard Error:	15.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	2.0	13.90602	50.0	127772.0	6.95301	Y
2	IC 410-274149/17	5.0	56.977014	50.0	81790.0	11.395403	Y
3	IC 410-274149/16	10.0	107.208899	50.0	87066.0	10.72089	Y
4	IC 410-274149/15	20.0	195.500311	50.0	107663.0	9.775016	Y
5	IC 410-274149/14	50.0	462.026038	50.0	120975.0	9.240521	Y
6	ICIS 410-274149/13	100.0	1087.879057	50.0	101370.0	10.878791	Y
7	IC 410-274149/12	250.0	2778.996073	50.0	96770.0	11.115984	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

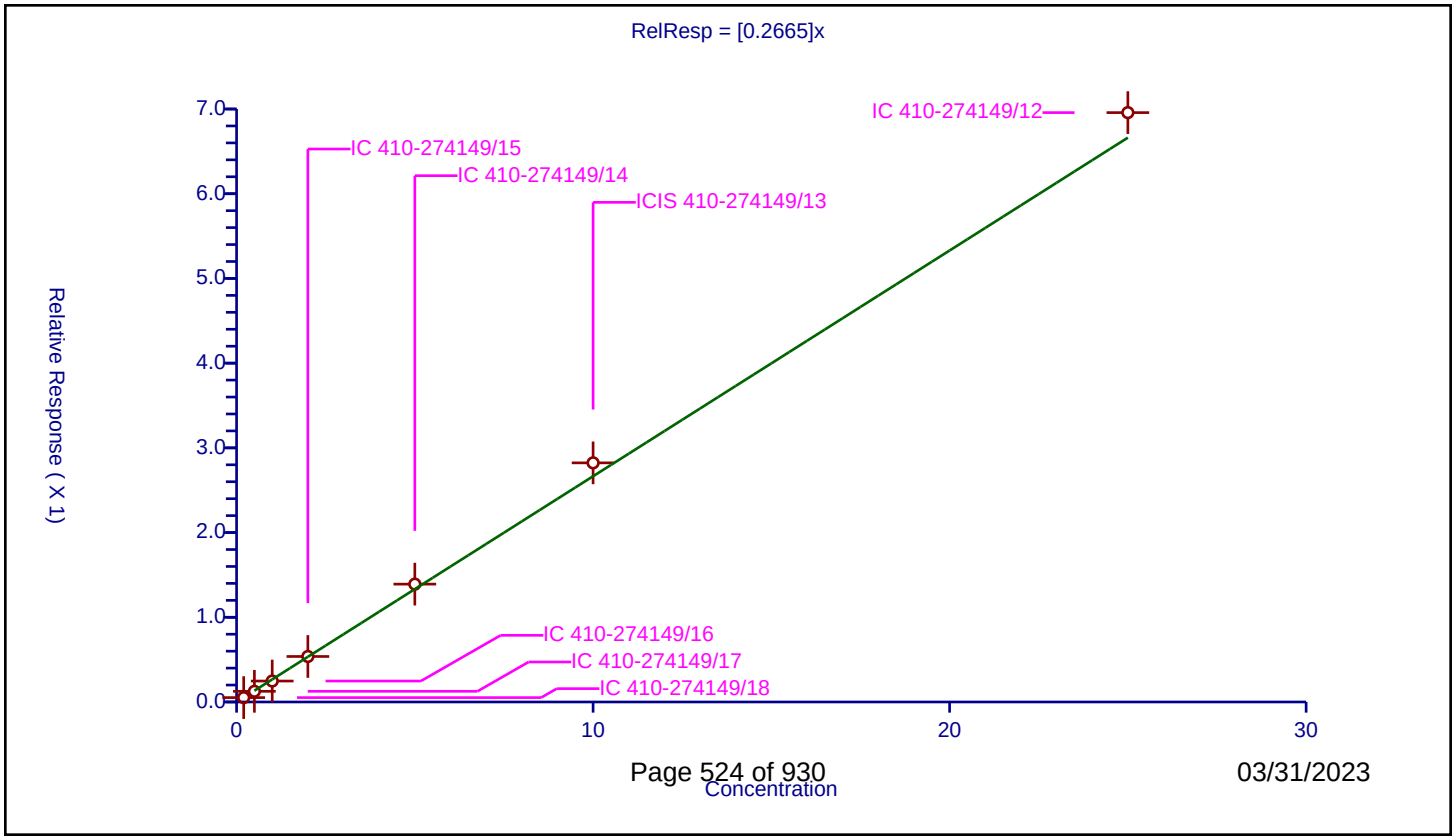
Curve Coefficients

Intercept:	0
Slope:	0.2665

Error Coefficients

Standard Error:	600000
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 410-274149/18	0.2	0.051675	10.0	1804145.0	0.258377	Y
2	IC 410-274149/17	0.5	0.126104	10.0	1783683.0	0.252208	Y
3	IC 410-274149/16	1.0	0.247377	10.0	1802515.0	0.247377	Y
4	IC 410-274149/15	2.0	0.537112	10.0	1814146.0	0.268556	Y
5	IC 410-274149/14	5.0	1.391338	10.0	1880356.0	0.278268	Y
6	ICIS 410-274149/13	10.0	2.822881	10.0	1866823.0	0.282288	Y
7	IC 410-274149/12	25.0	6.957543	10.0	1927449.0	0.278302	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

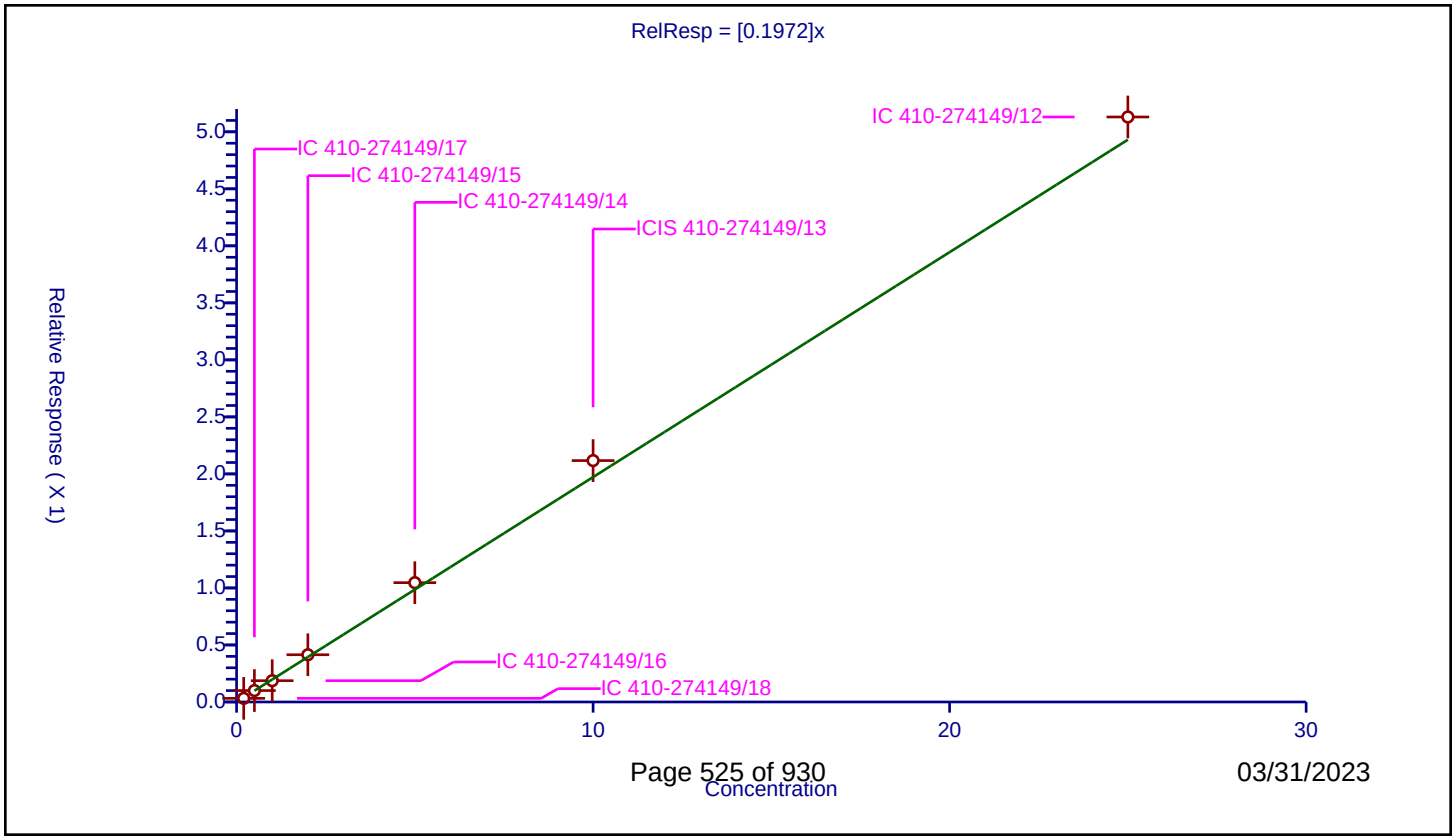
Curve Coefficients

Intercept:	0
Slope:	0.1972

Error Coefficients

Standard Error:	443000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.032015	10.0	1804145.0	0.160076	Y
2	IC 410-274149/17	0.5	0.100287	10.0	1783683.0	0.200574	Y
3	IC 410-274149/16	1.0	0.186684	10.0	1802515.0	0.186684	Y
4	IC 410-274149/15	2.0	0.414195	10.0	1814146.0	0.207097	Y
5	IC 410-274149/14	5.0	1.04635	10.0	1880356.0	0.20927	Y
6	ICIS 410-274149/13	10.0	2.116933	10.0	1866823.0	0.211693	Y
7	IC 410-274149/12	25.0	5.130112	10.0	1927449.0	0.205204	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

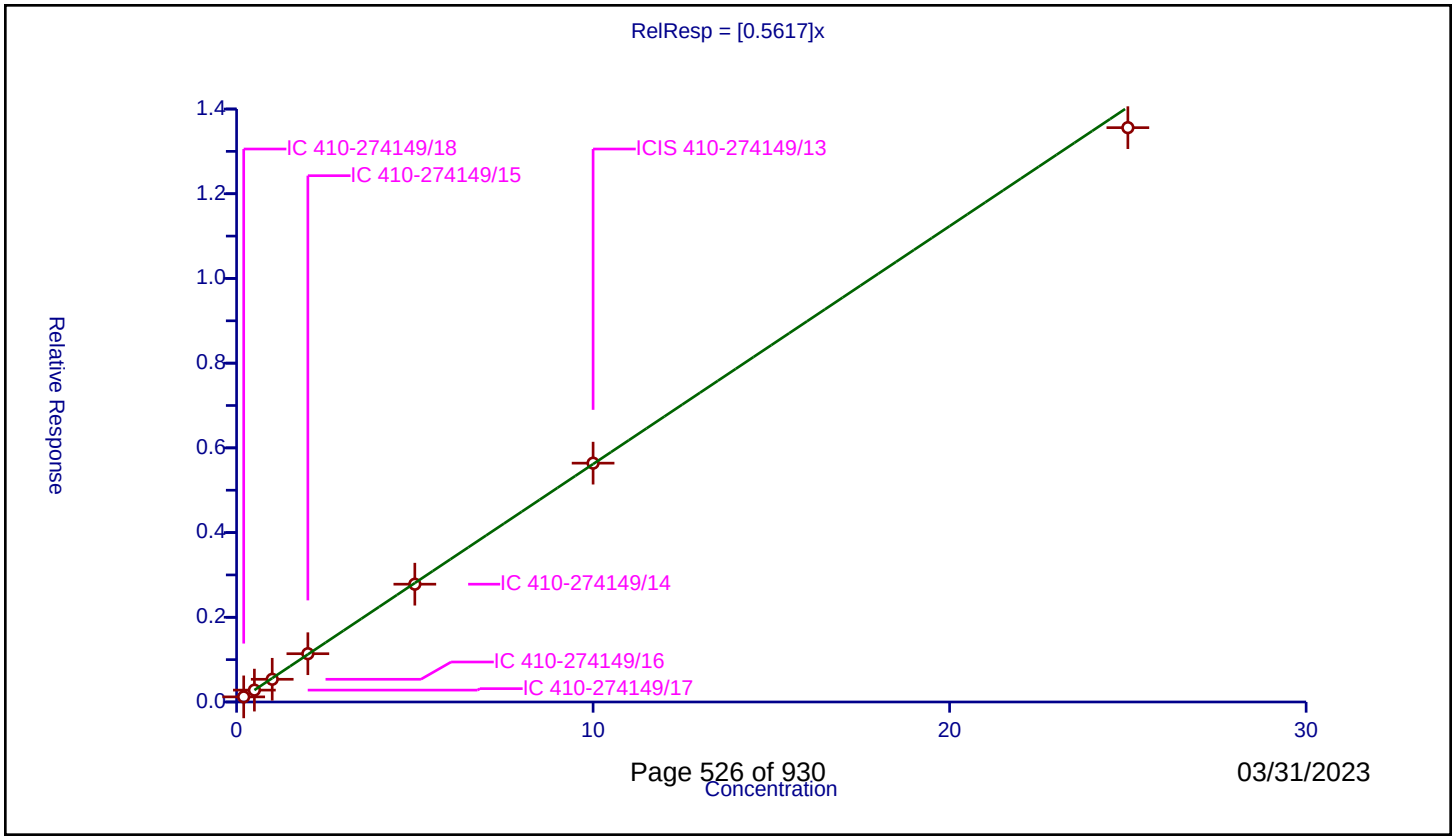
Curve Coefficients

Intercept:	0
Slope:	0.5617

Error Coefficients

Standard Error:	1170000
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 410-274149/18	0.2	0.12045	10.0	1804145.0	0.602252	Y
2	IC 410-274149/17	0.5	0.280672	10.0	1783683.0	0.561344	Y
3	IC 410-274149/16	1.0	0.536073	10.0	1802515.0	0.536073	Y
4	IC 410-274149/15	2.0	1.140013	10.0	1814146.0	0.570006	Y
5	IC 410-274149/14	5.0	2.781308	10.0	1880356.0	0.556262	Y
6	ICIS 410-274149/13	10.0	5.639003	10.0	1866823.0	0.5639	Y
7	IC 410-274149/12	25.0	13.559669	10.0	1927449.0	0.542387	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

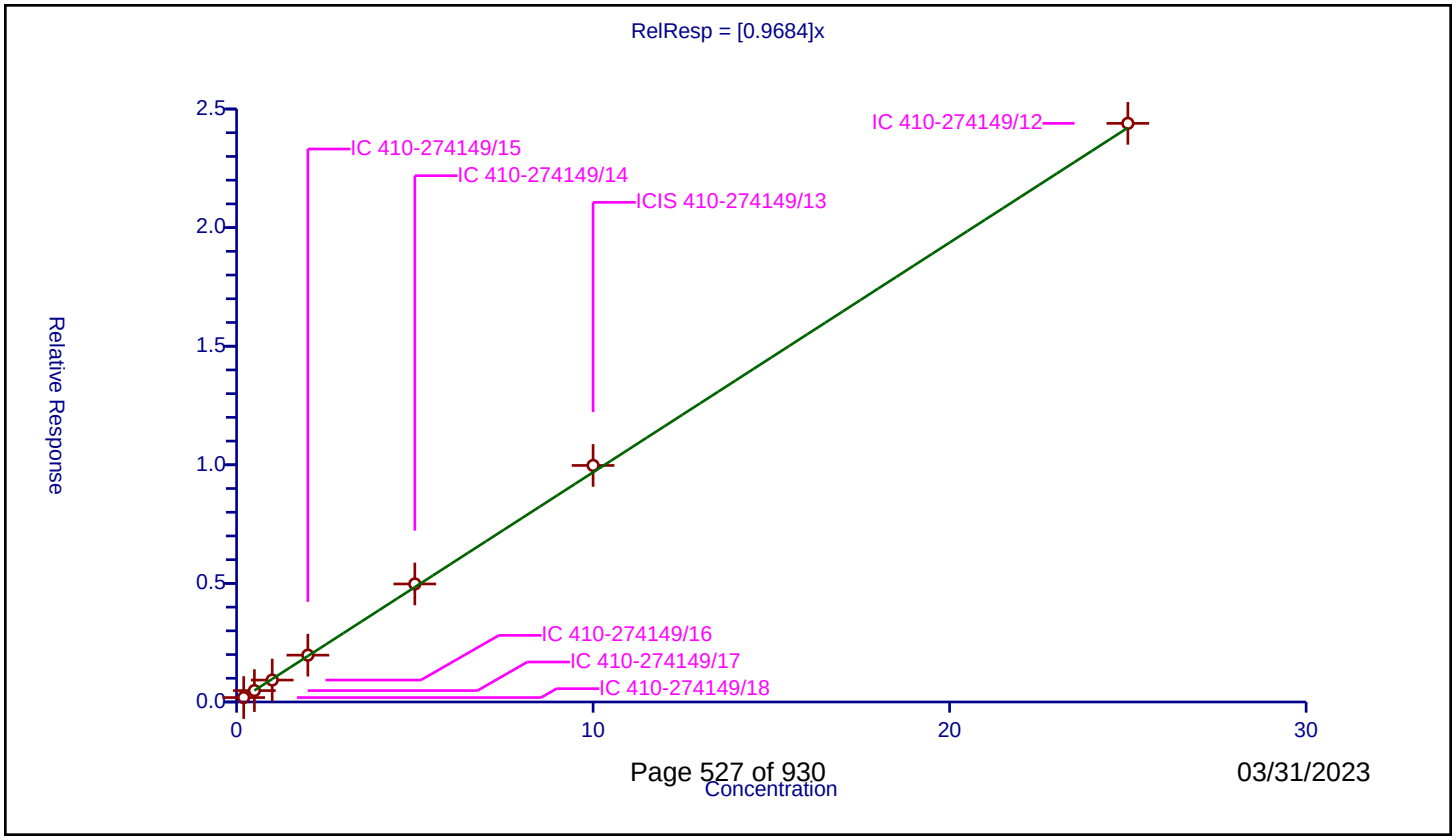
Curve Coefficients

Intercept:	0
Slope:	0.9684

Error Coefficients

Standard Error:	2110000
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 410-274149/18	0.2	0.187707	10.0	1804145.0	0.938533	Y
2	IC 410-274149/17	0.5	0.480141	10.0	1783683.0	0.960283	Y
3	IC 410-274149/16	1.0	0.924253	10.0	1802515.0	0.924253	Y
4	IC 410-274149/15	2.0	1.975271	10.0	1814146.0	0.987636	Y
5	IC 410-274149/14	5.0	4.976786	10.0	1880356.0	0.995357	Y
6	ICIS 410-274149/13	10.0	9.972713	10.0	1866823.0	0.997271	Y
7	IC 410-274149/12	25.0	24.394622	10.0	1927449.0	0.975785	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

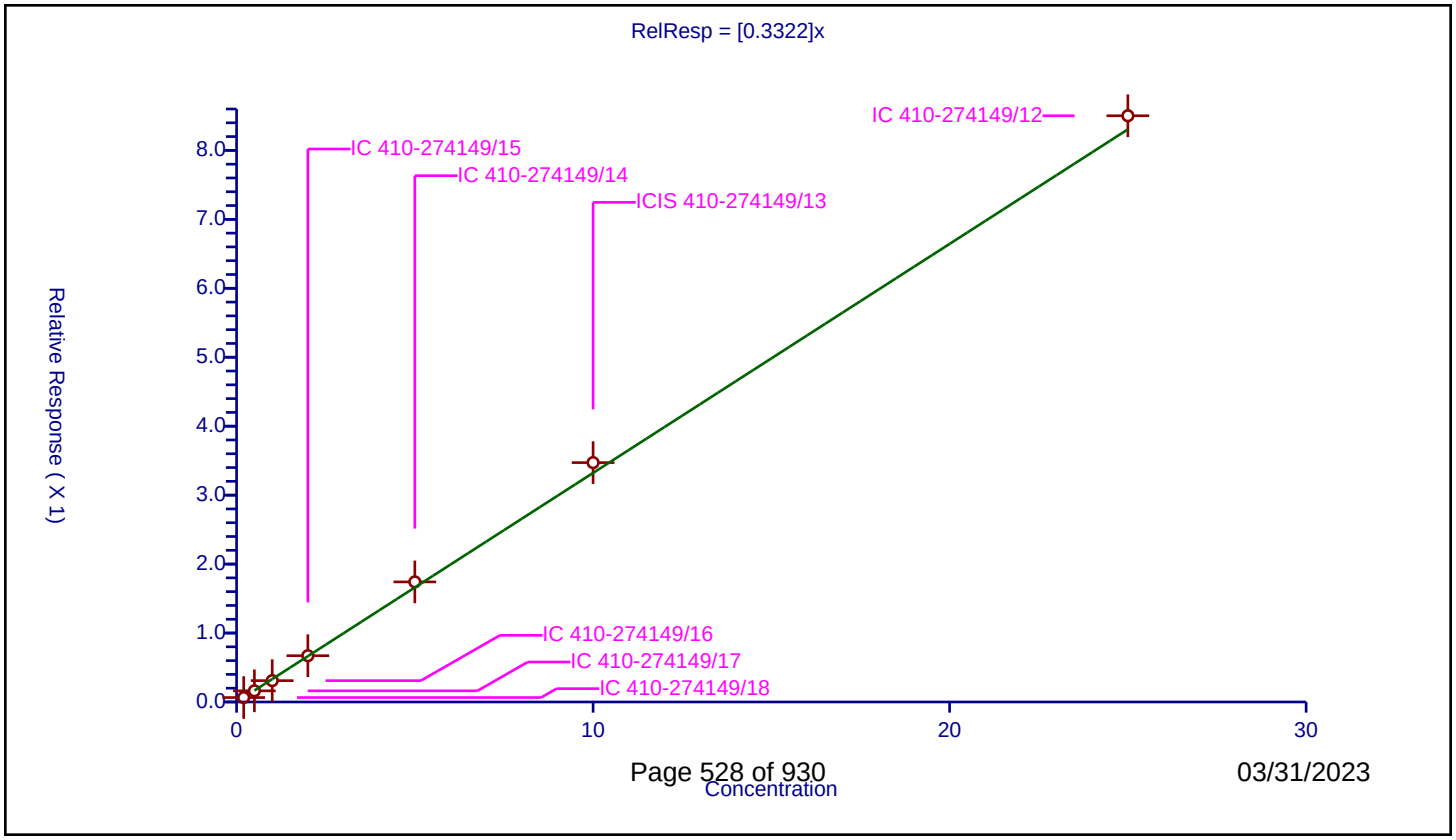
Curve Coefficients

Intercept:	0
Slope:	0.3322

Error Coefficients

Standard Error:	734000
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 410-274149/18	0.2	0.064213	10.0	1804145.0	0.321066	Y
2	IC 410-274149/17	0.5	0.161722	10.0	1783683.0	0.323443	Y
3	IC 410-274149/16	1.0	0.309656	10.0	1802515.0	0.309656	Y
4	IC 410-274149/15	2.0	0.671346	10.0	1814146.0	0.335673	Y
5	IC 410-274149/14	5.0	1.741574	10.0	1880356.0	0.348315	Y
6	ICIS 410-274149/13	10.0	3.471507	10.0	1866823.0	0.347151	Y
7	IC 410-274149/12	25.0	8.502238	10.0	1927449.0	0.34009	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

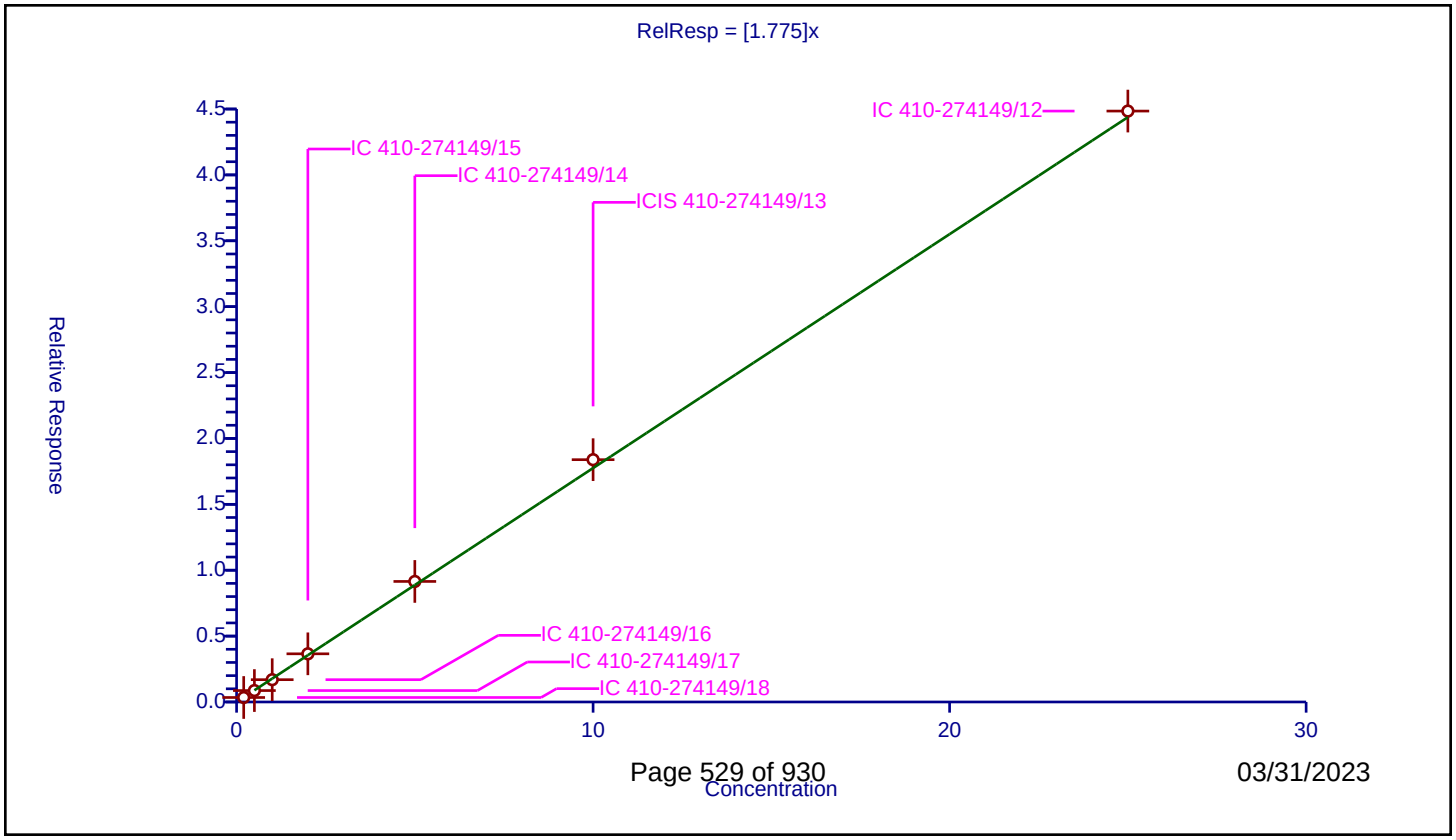
Curve Coefficients

Intercept:	0
Slope:	1.775

Error Coefficients

Standard Error:	3870000
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 410-274149/18	0.2	0.341669	10.0	1804145.0	1.708344	Y
2	IC 410-274149/17	0.5	0.867946	10.0	1783683.0	1.735891	Y
3	IC 410-274149/16	1.0	1.692269	10.0	1802515.0	1.692269	Y
4	IC 410-274149/15	2.0	3.65518	10.0	1814146.0	1.82759	Y
5	IC 410-274149/14	5.0	9.147715	10.0	1880356.0	1.829543	Y
6	ICIS 410-274149/13	10.0	18.388042	10.0	1866823.0	1.838804	Y
7	IC 410-274149/12	25.0	44.843749	10.0	1927449.0	1.79375	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

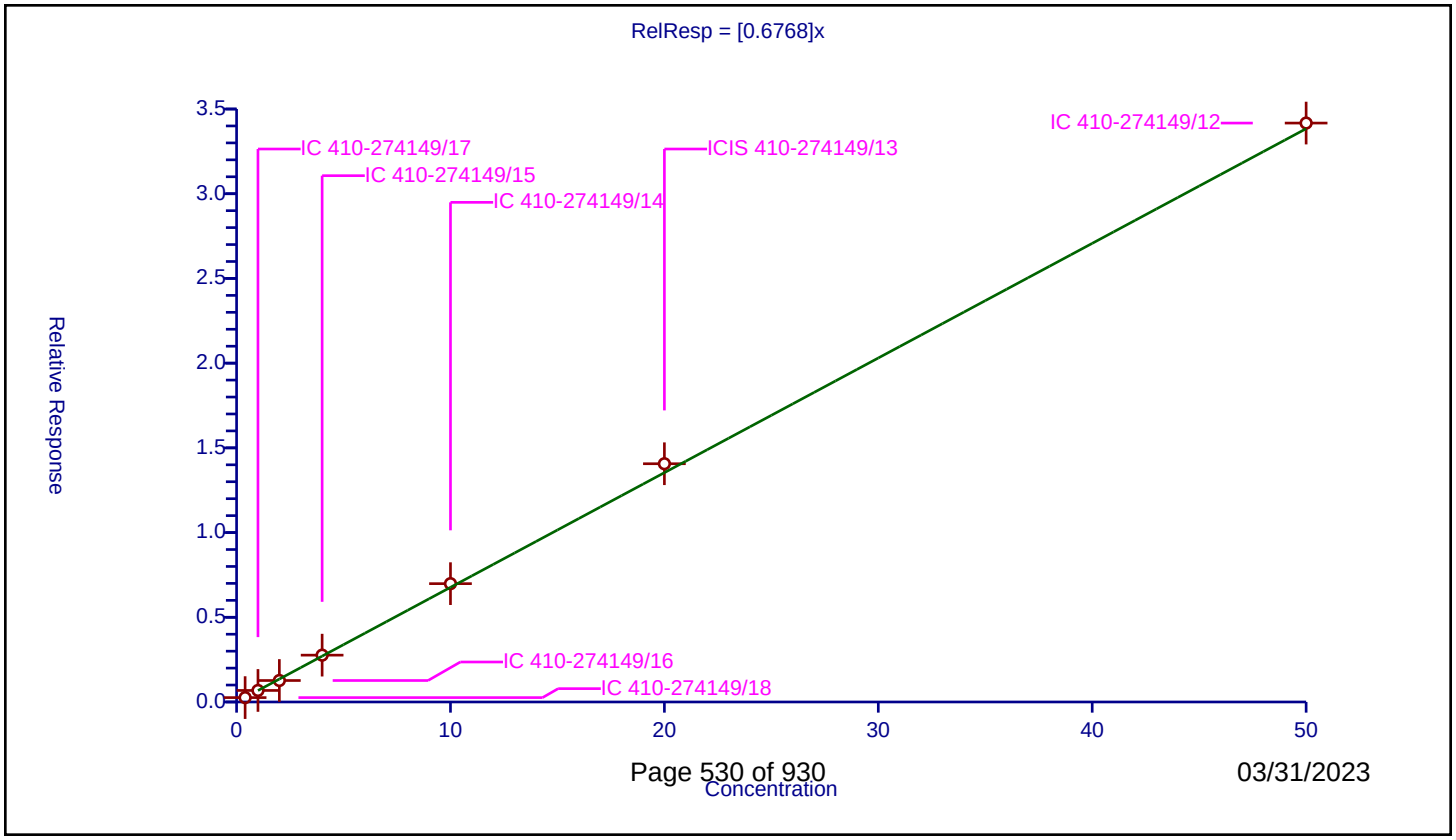
Curve Coefficients

Intercept:	0
Slope:	0.6768

Error Coefficients

Standard Error:	2950000
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 410-274149/18	0.4	0.258876	10.0	1804145.0	0.64719	Y
2	IC 410-274149/17	1.0	0.680048	10.0	1783683.0	0.680048	Y
3	IC 410-274149/16	2.0	1.26805	10.0	1802515.0	0.634025	Y
4	IC 410-274149/15	4.0	2.7647	10.0	1814146.0	0.691175	Y
5	IC 410-274149/14	10.0	6.984114	10.0	1880356.0	0.698411	Y
6	ICIS 410-274149/13	20.0	14.06271	10.0	1866823.0	0.703135	Y
7	IC 410-274149/12	50.0	34.170331	10.0	1927449.0	0.683407	Y



03/31/2023

Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

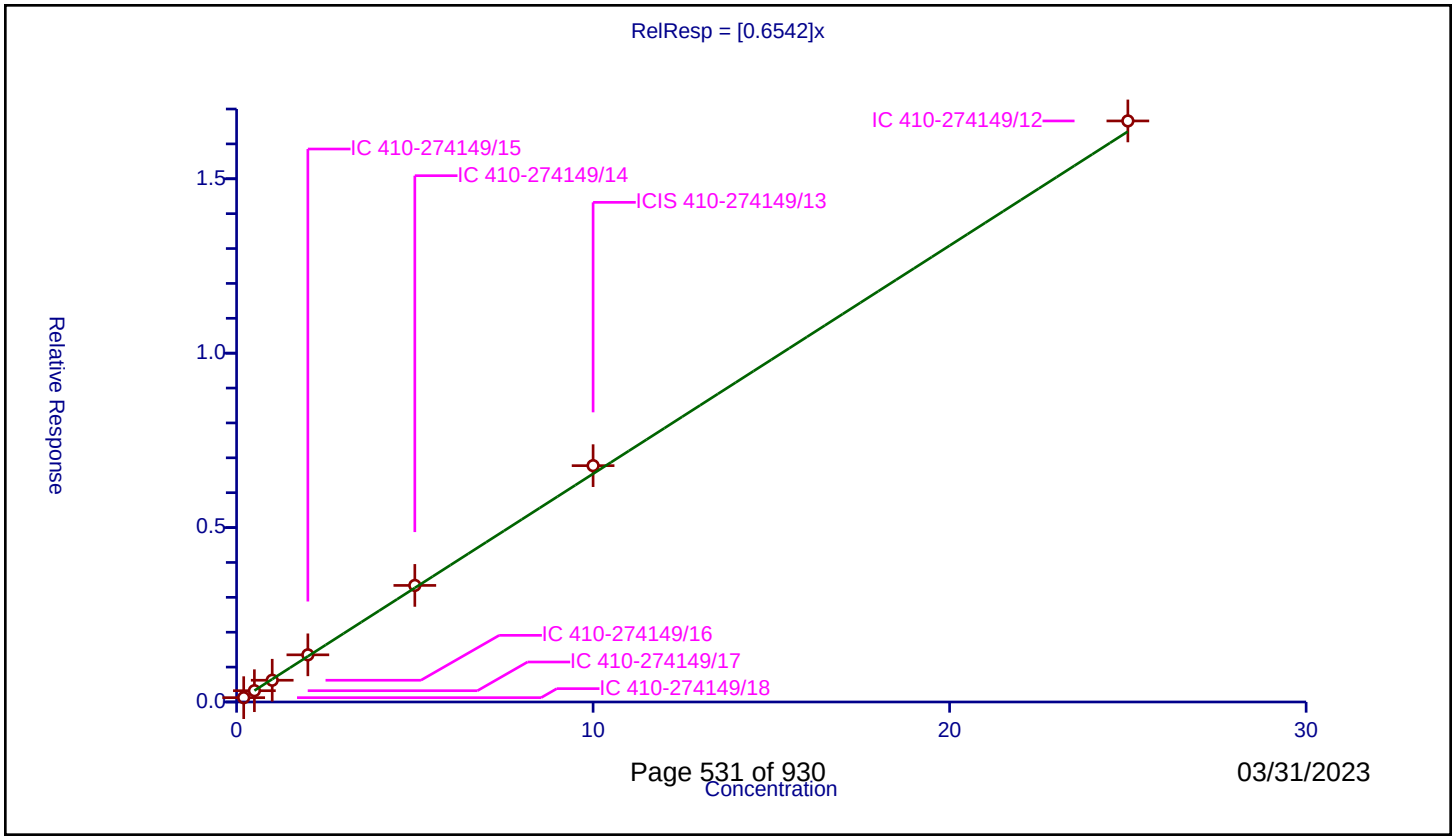
Curve Coefficients

Intercept:	0
Slope:	0.6542

Error Coefficients

Standard Error:	1440000
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 410-274149/18	0.2	0.124037	10.0	1804145.0	0.620183	Y
2	IC 410-274149/17	0.5	0.323684	10.0	1783683.0	0.647368	Y
3	IC 410-274149/16	1.0	0.623762	10.0	1802515.0	0.623762	Y
4	IC 410-274149/15	2.0	1.351694	10.0	1814146.0	0.675847	Y
5	IC 410-274149/14	5.0	3.34217	10.0	1880356.0	0.668434	Y
6	ICIS 410-274149/13	10.0	6.775666	10.0	1866823.0	0.677567	Y
7	IC 410-274149/12	25.0	16.658345	10.0	1927449.0	0.666334	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

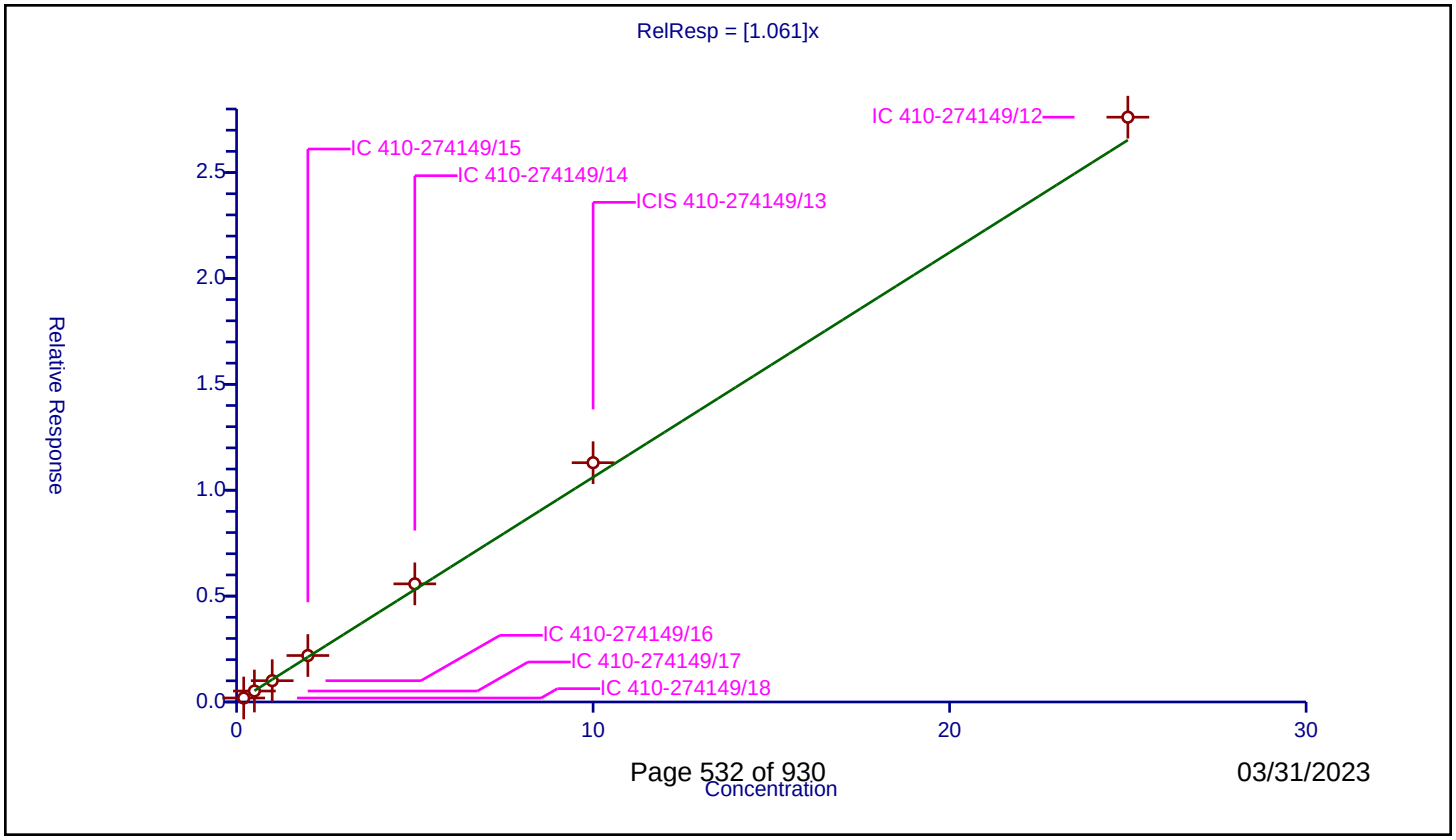
Curve Coefficients

Intercept:	0
Slope:	1.061

Error Coefficients

Standard Error:	2380000
Relative Standard Error:	6.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.188156	10.0	1804145.0	0.940778	Y
2	IC 410-274149/17	0.5	0.51831	10.0	1783683.0	1.036619	Y
3	IC 410-274149/16	1.0	1.005085	10.0	1802515.0	1.005085	Y
4	IC 410-274149/15	2.0	2.193875	10.0	1814146.0	1.096938	Y
5	IC 410-274149/14	5.0	5.577673	10.0	1880356.0	1.115535	Y
6	ICIS 410-274149/13	10.0	11.298779	10.0	1866823.0	1.129878	Y
7	IC 410-274149/12	25.0	27.614484	10.0	1927449.0	1.104579	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

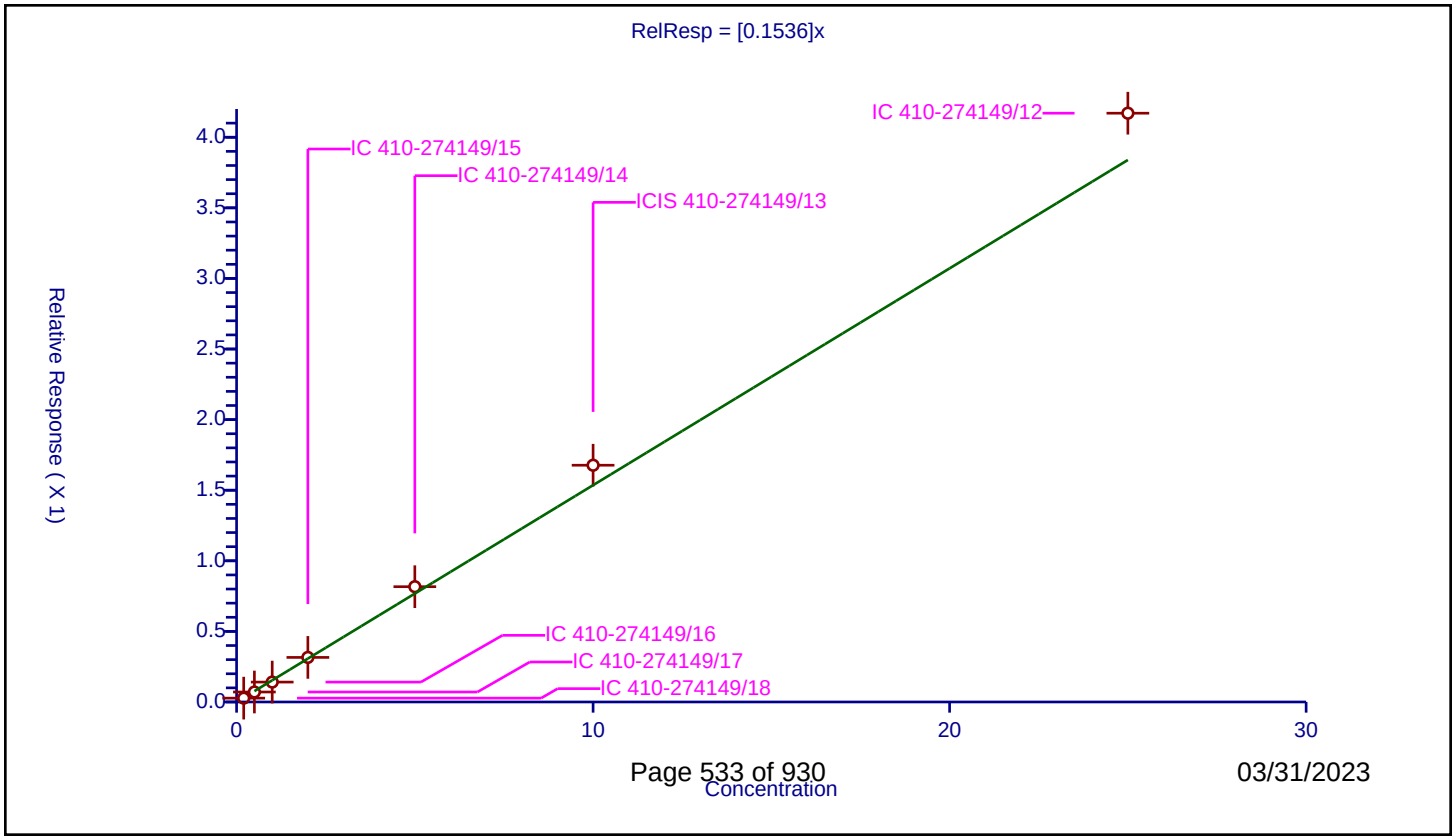
Curve Coefficients

Intercept:	0
Slope:	0.1536

Error Coefficients

Standard Error:	359000
Relative Standard Error:	8.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.027332	10.0	1804145.0	0.136658	Y
2	IC 410-274149/17	0.5	0.070769	10.0	1783683.0	0.141539	Y
3	IC 410-274149/16	1.0	0.141058	10.0	1802515.0	0.141058	Y
4	IC 410-274149/15	2.0	0.315691	10.0	1814146.0	0.157846	Y
5	IC 410-274149/14	5.0	0.816643	10.0	1880356.0	0.163329	Y
6	ICIS 410-274149/13	10.0	1.676993	10.0	1866823.0	0.167699	Y
7	IC 410-274149/12	25.0	4.170414	10.0	1927449.0	0.166817	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

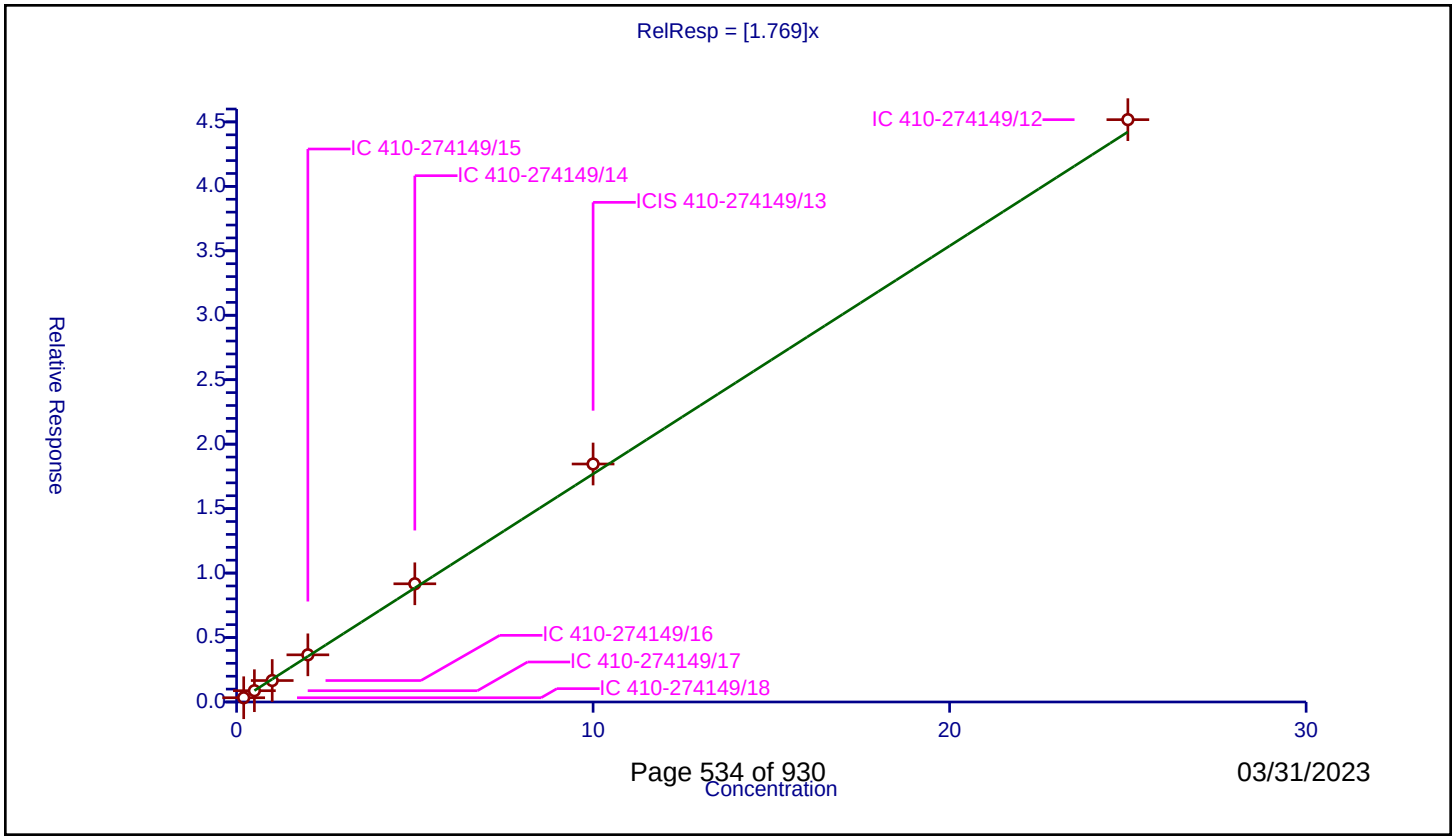
Curve Coefficients

Intercept:	0
Slope:	1.769

Error Coefficients

Standard Error:	3900000
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 410-274149/18	0.2	0.330234	10.0	1804145.0	1.65117	Y
2	IC 410-274149/17	0.5	0.876019	10.0	1783683.0	1.752038	Y
3	IC 410-274149/16	1.0	1.663659	10.0	1802515.0	1.663659	Y
4	IC 410-274149/15	2.0	3.65809	10.0	1814146.0	1.829045	Y
5	IC 410-274149/14	5.0	9.169407	10.0	1880356.0	1.833881	Y
6	ICIS 410-274149/13	10.0	18.46189	10.0	1866823.0	1.846189	Y
7	IC 410-274149/12	25.0	45.173839	10.0	1927449.0	1.806954	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

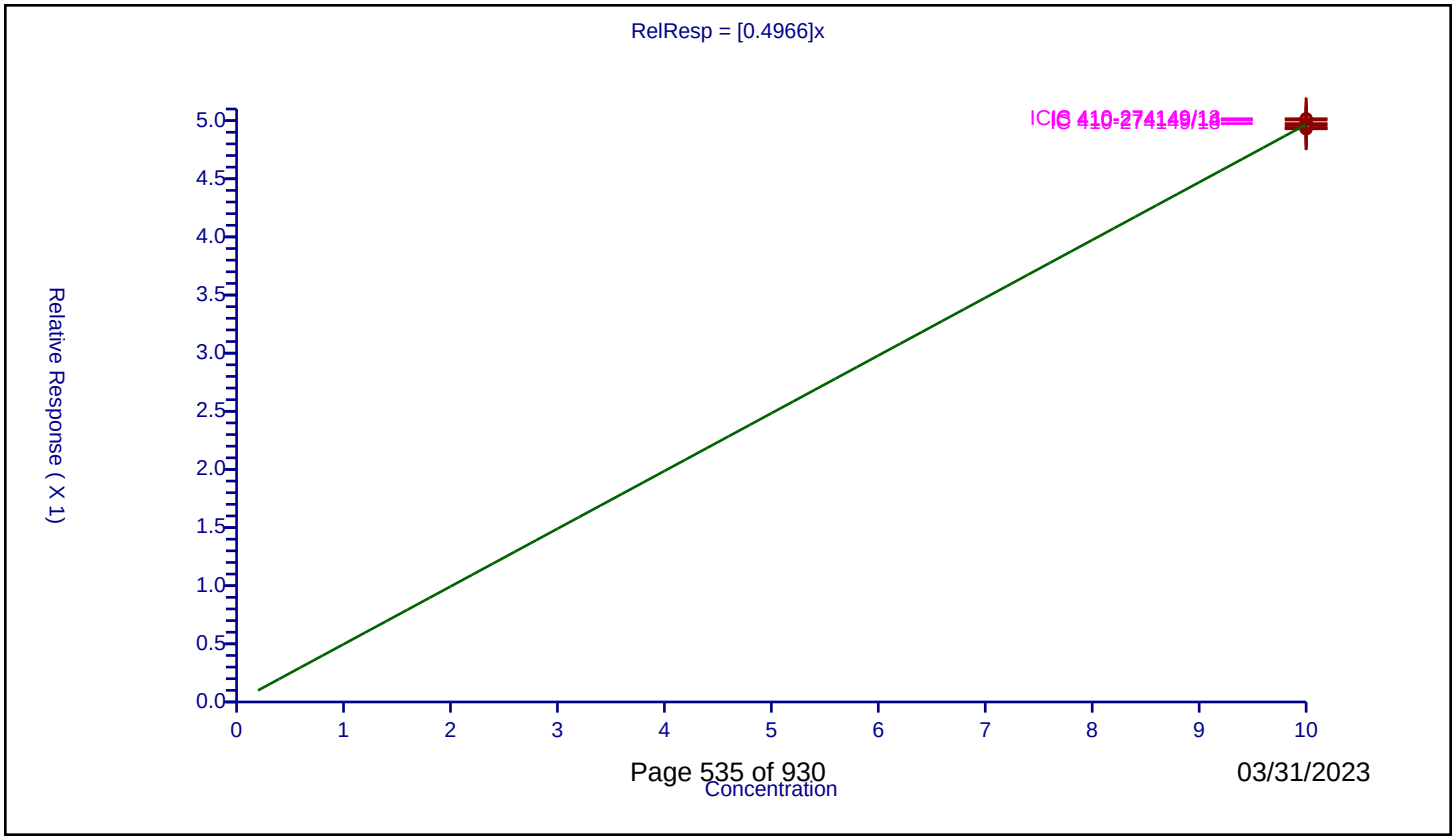
Curve Coefficients

Intercept:	0
Slope:	0.4966

Error Coefficients

Standard Error:	988000
Relative Standard Error:	0.7
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/12	10.0	4.963332	10.0	1927449.0	0.496333	Y
2	ICIS 410-274149/13	10.0	5.016533	10.0	1866823.0	0.501653	Y
3	IC 410-274149/14	10.0	5.004994	10.0	1880356.0	0.500499	Y
4	IC 410-274149/15	10.0	4.941493	10.0	1814146.0	0.494149	Y
5	IC 410-274149/16	10.0	4.929745	10.0	1802515.0	0.492975	Y
6	IC 410-274149/17	10.0	4.934021	10.0	1783683.0	0.493402	Y
7	IC 410-274149/18	10.0	4.97485	10.0	1804145.0	0.497485	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

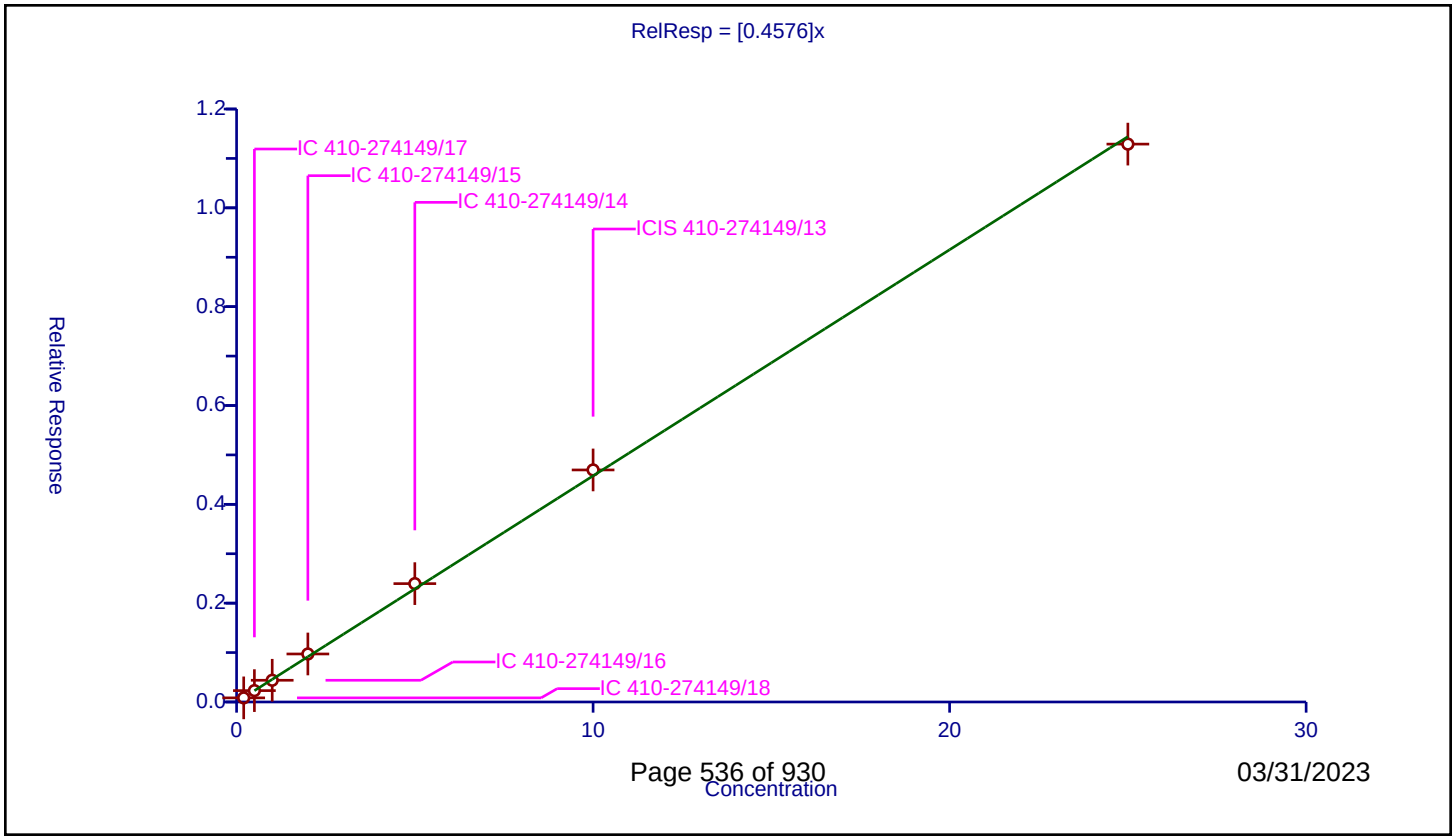
Curve Coefficients

Intercept:	0
Slope:	0.4576

Error Coefficients

Standard Error:	553000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.083516	10.0	1000650.0	0.417579	Y
2	IC 410-274149/17	0.5	0.229995	10.0	974107.0	0.459991	Y
3	IC 410-274149/16	1.0	0.439772	10.0	992900.0	0.439772	Y
4	IC 410-274149/15	2.0	0.971642	10.0	997250.0	0.485821	Y
5	IC 410-274149/14	5.0	2.395176	10.0	1047322.0	0.479035	Y
6	ICIS 410-274149/13	10.0	4.695939	10.0	1051287.0	0.469594	Y
7	IC 410-274149/12	25.0	11.289702	10.0	1090322.0	0.451588	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

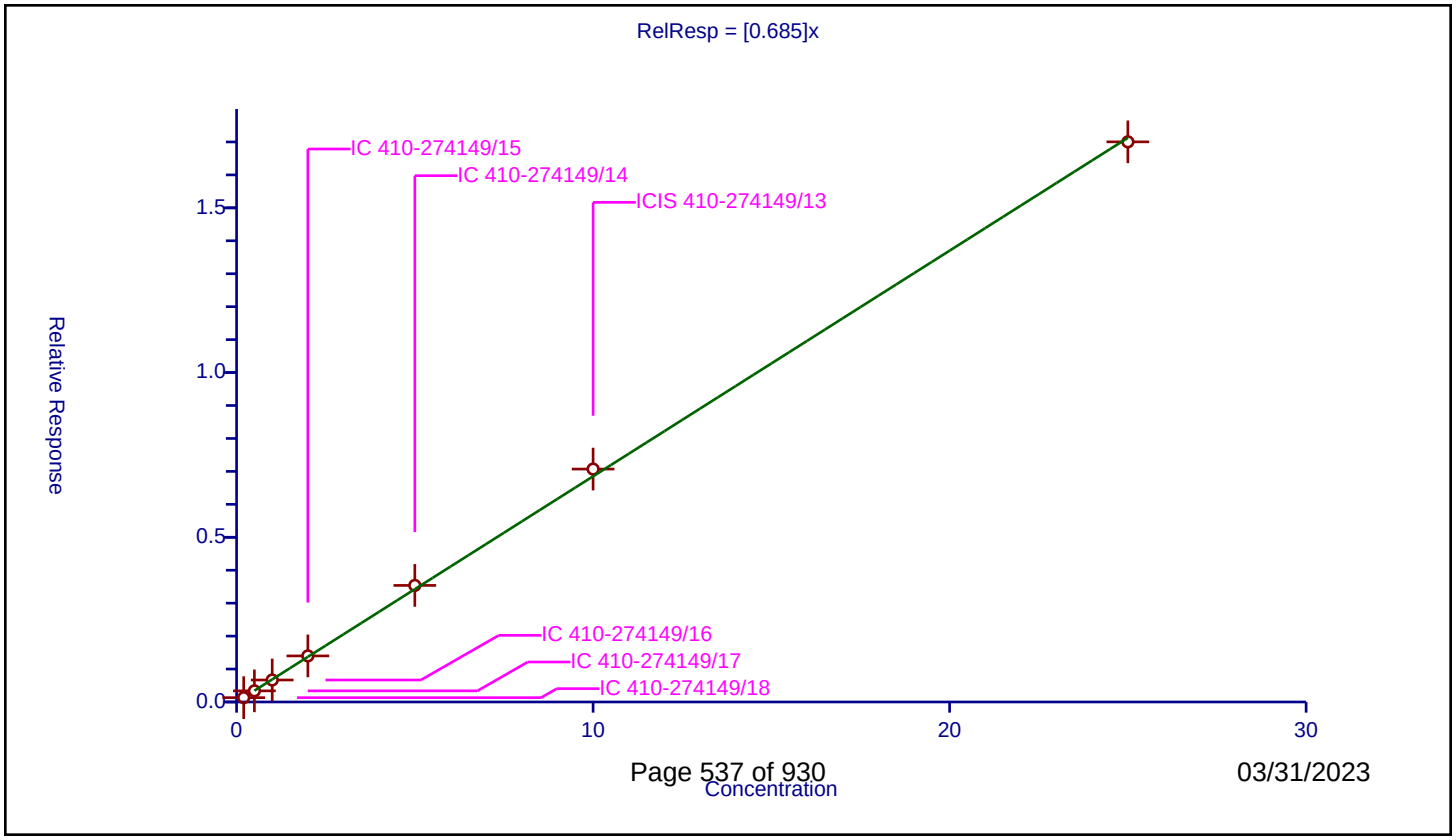
Curve Coefficients

Intercept:	0
Slope:	0.685

Error Coefficients

Standard Error:	832000
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 410-274149/18	0.2	0.131505	10.0	1000650.0	0.657523	Y
2	IC 410-274149/17	0.5	0.338146	10.0	974107.0	0.676291	Y
3	IC 410-274149/16	1.0	0.667157	10.0	992900.0	0.667157	Y
4	IC 410-274149/15	2.0	1.398606	10.0	997250.0	0.699303	Y
5	IC 410-274149/14	5.0	3.538262	10.0	1047322.0	0.707652	Y
6	ICIS 410-274149/13	10.0	7.070429	10.0	1051287.0	0.707043	Y
7	IC 410-274149/12	25.0	17.003206	10.0	1090322.0	0.680128	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

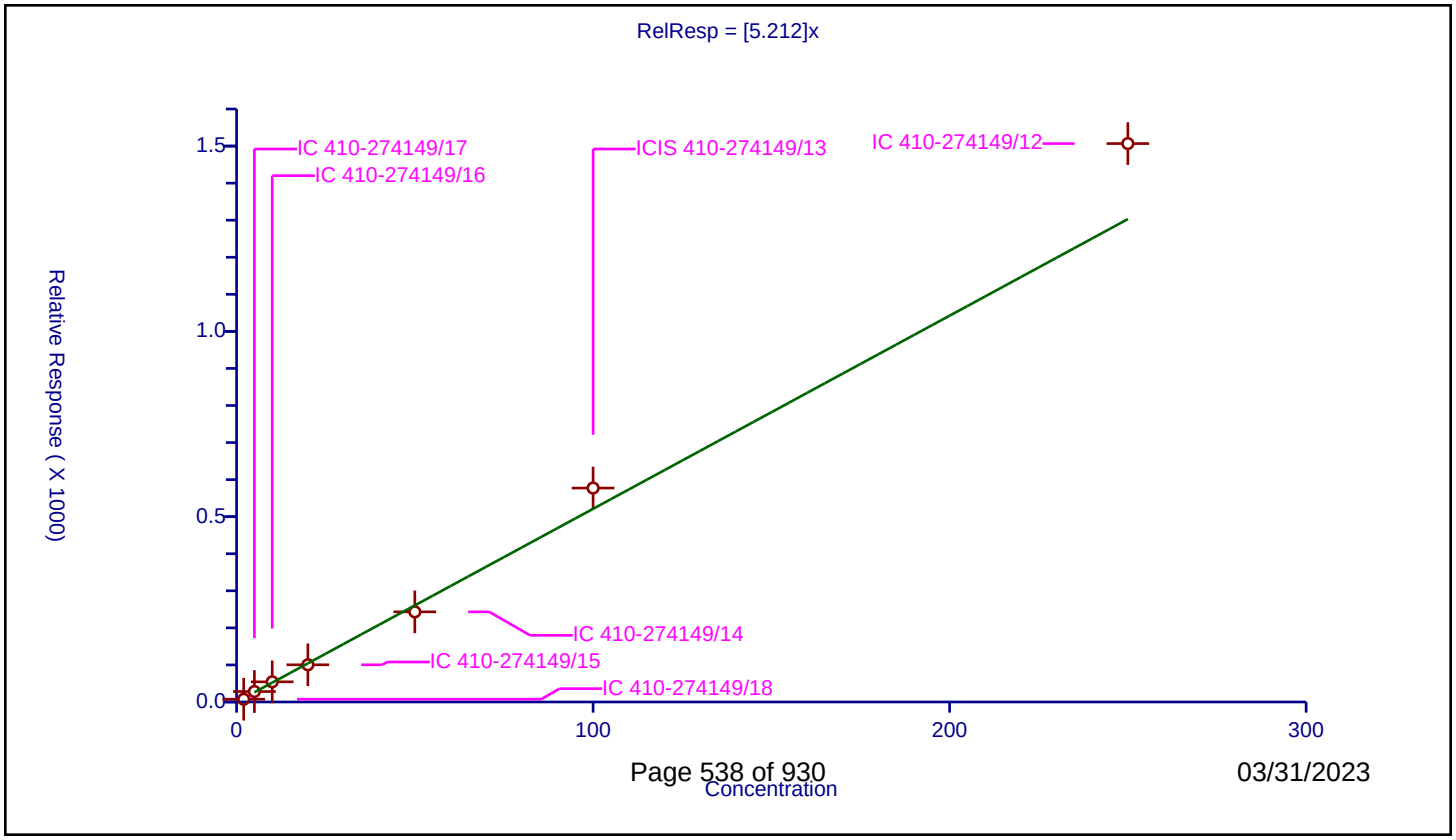
Curve Coefficients

Intercept:	0
Slope:	5.212

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	14.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	2.0	7.435901	50.0	127772.0	3.717951	Y
2	IC 410-274149/17	5.0	28.253454	50.0	81790.0	5.650691	Y
3	IC 410-274149/16	10.0	54.339237	50.0	87066.0	5.433924	Y
4	IC 410-274149/15	20.0	100.309298	50.0	107663.0	5.015465	Y
5	IC 410-274149/14	50.0	243.243232	50.0	120975.0	4.864865	Y
6	ICIS 410-274149/13	100.0	577.240801	50.0	101370.0	5.772408	Y
7	IC 410-274149/12	250.0	1506.770693	50.0	96770.0	6.027083	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

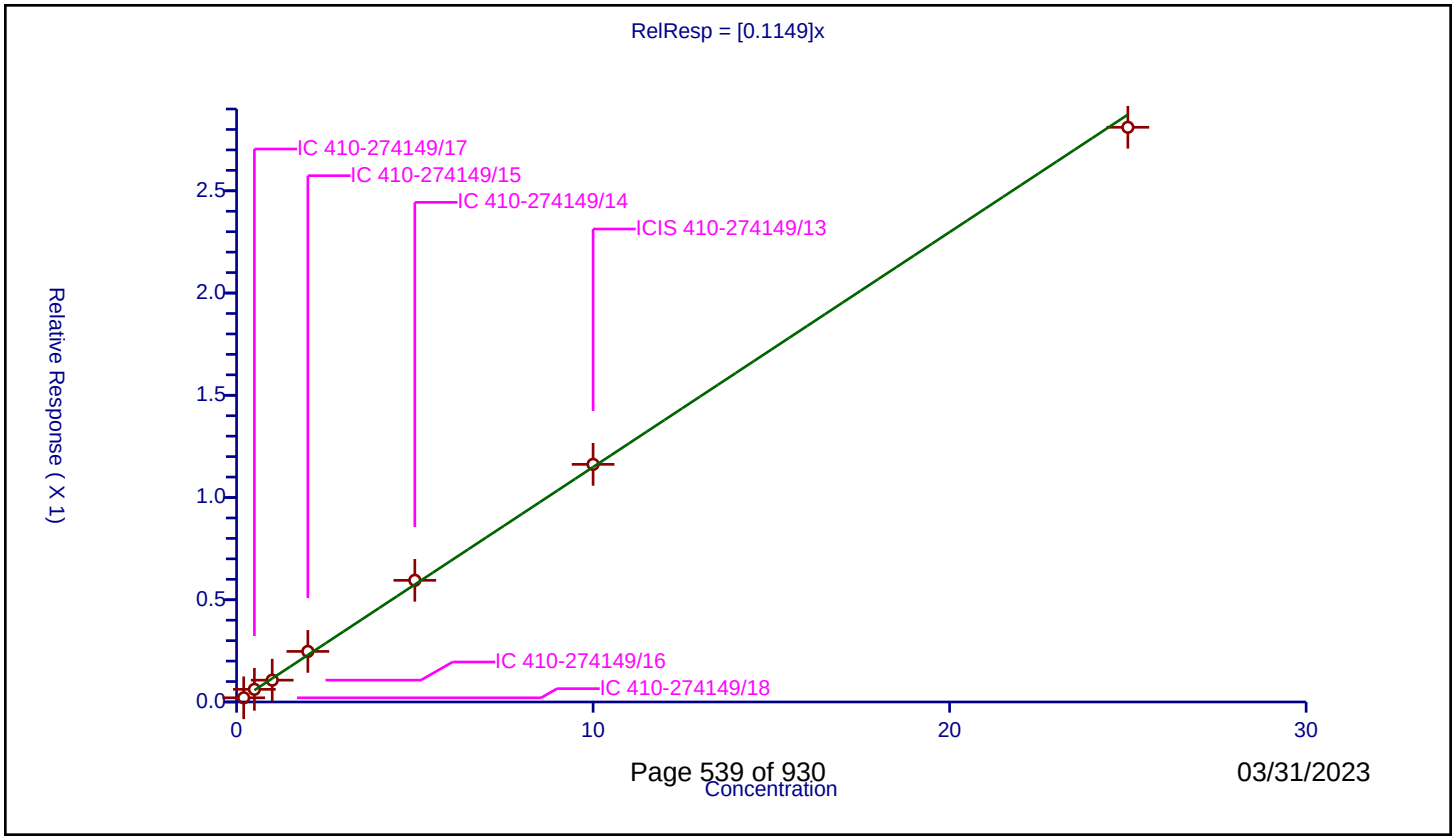
Curve Coefficients

Intercept:	0
Slope:	0.1149

Error Coefficients

Standard Error:	138000
Relative Standard Error:	7.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.020517	10.0	1000650.0	0.102583	Y
2	IC 410-274149/17	0.5	0.061841	10.0	974107.0	0.123683	Y
3	IC 410-274149/16	1.0	0.106738	10.0	992900.0	0.106738	Y
4	IC 410-274149/15	2.0	0.24732	10.0	997250.0	0.12366	Y
5	IC 410-274149/14	5.0	0.595022	10.0	1047322.0	0.119004	Y
6	ICIS 410-274149/13	10.0	1.162176	10.0	1051287.0	0.116218	Y
7	IC 410-274149/12	25.0	2.810601	10.0	1090322.0	0.112424	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

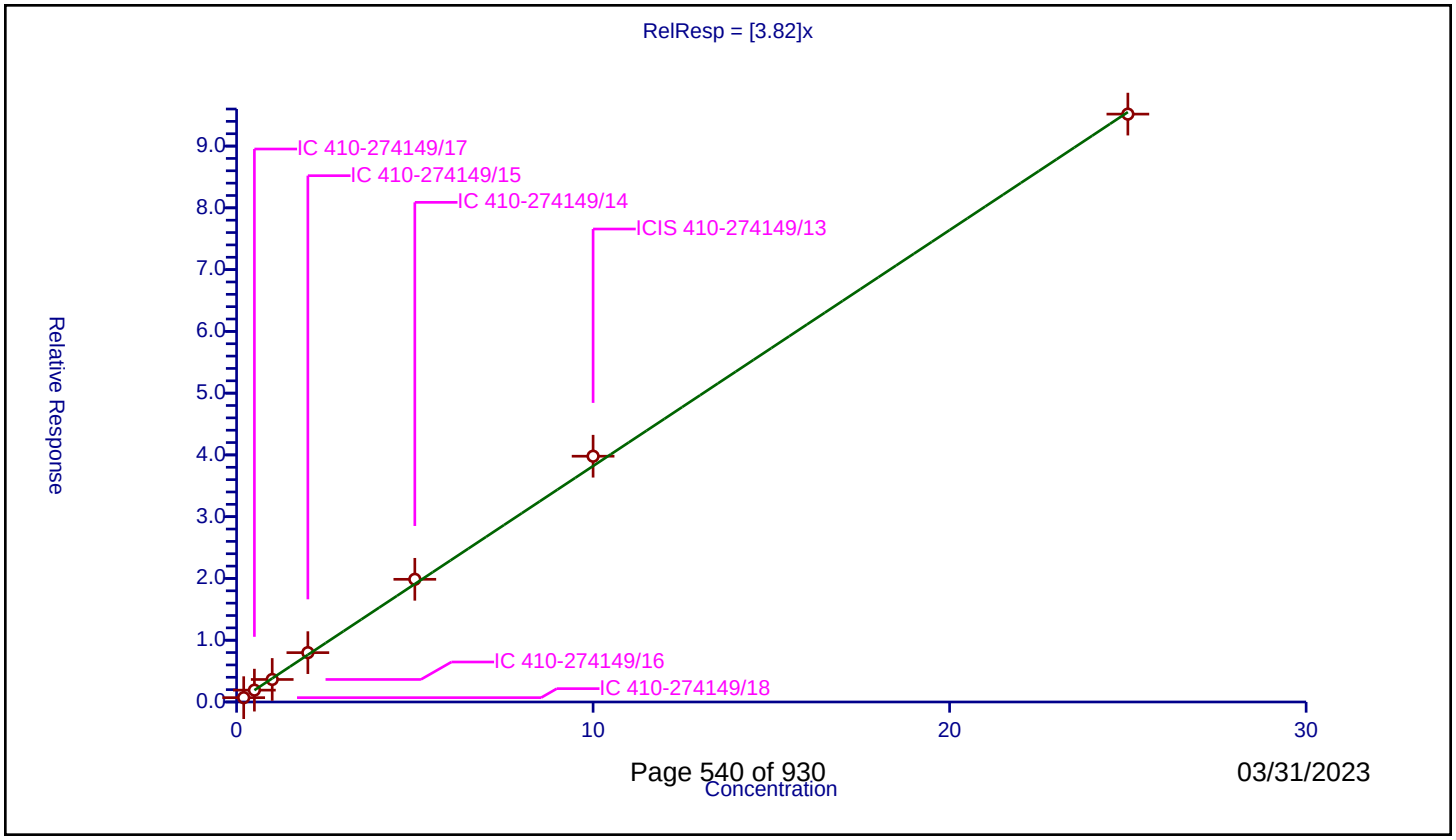
Curve Coefficients

Intercept:	0
Slope:	3.82

Error Coefficients

Standard Error:	4660000
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 410-274149/18	0.2	0.701294	10.0	1000650.0	3.506471	Y
2	IC 410-274149/17	0.5	1.917418	10.0	974107.0	3.834835	Y
3	IC 410-274149/16	1.0	3.644929	10.0	992900.0	3.644929	Y
4	IC 410-274149/15	2.0	7.989511	10.0	997250.0	3.994756	Y
5	IC 410-274149/14	5.0	19.863423	10.0	1047322.0	3.972685	Y
6	ICIS 410-274149/13	10.0	39.790409	10.0	1051287.0	3.979041	Y
7	IC 410-274149/12	25.0	95.176939	10.0	1090322.0	3.807078	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

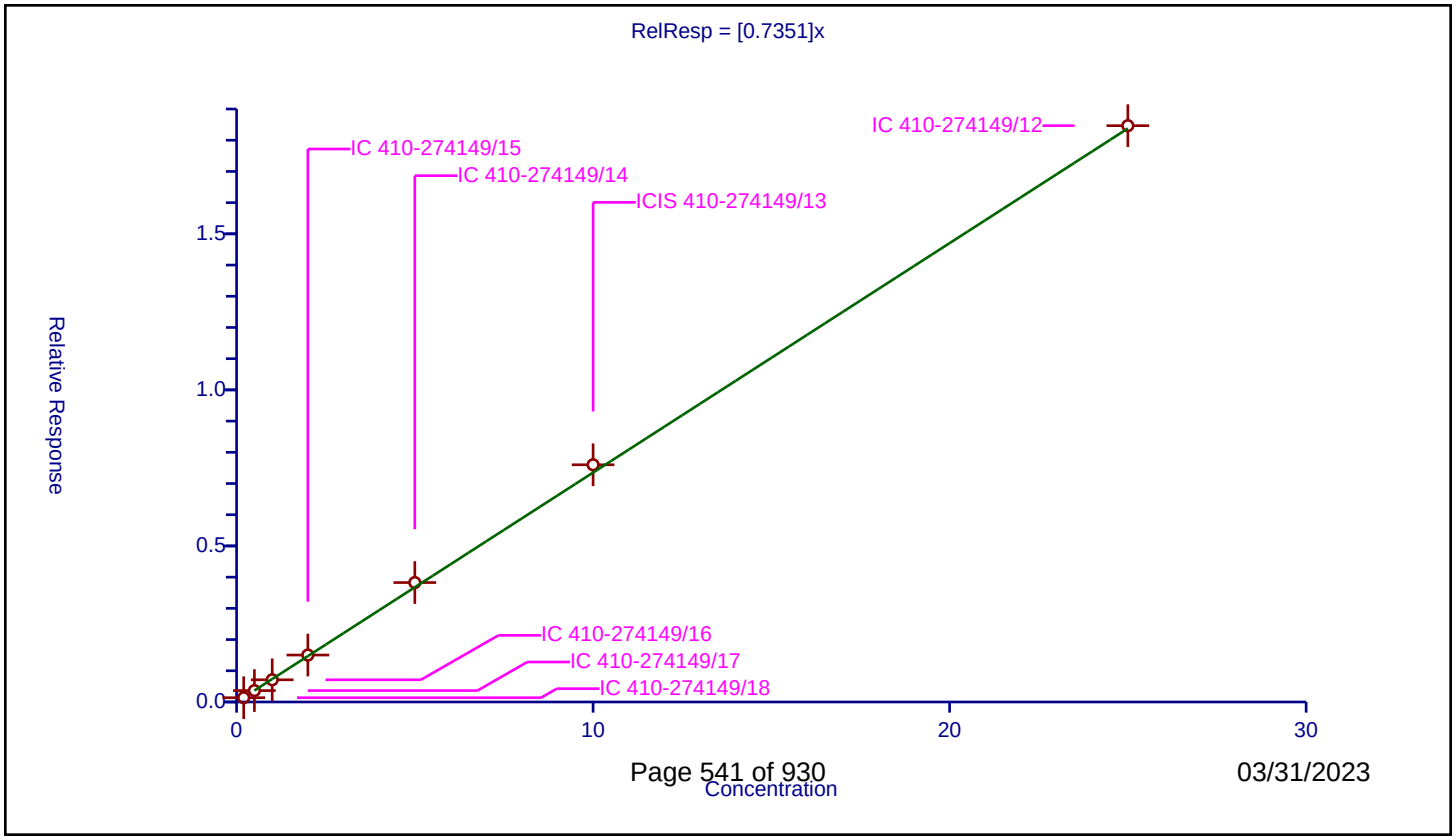
Curve Coefficients

Intercept:	0
Slope:	0.7351

Error Coefficients

Standard Error:	902000
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 410-274149/18	0.2	0.137511	10.0	1000650.0	0.687553	Y
2	IC 410-274149/17	0.5	0.365165	10.0	974107.0	0.73033	Y
3	IC 410-274149/16	1.0	0.711451	10.0	992900.0	0.711451	Y
4	IC 410-274149/15	2.0	1.504497	10.0	997250.0	0.752249	Y
5	IC 410-274149/14	5.0	3.826836	10.0	1047322.0	0.765367	Y
6	ICIS 410-274149/13	10.0	7.600836	10.0	1051287.0	0.760084	Y
7	IC 410-274149/12	25.0	18.465912	10.0	1090322.0	0.738636	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

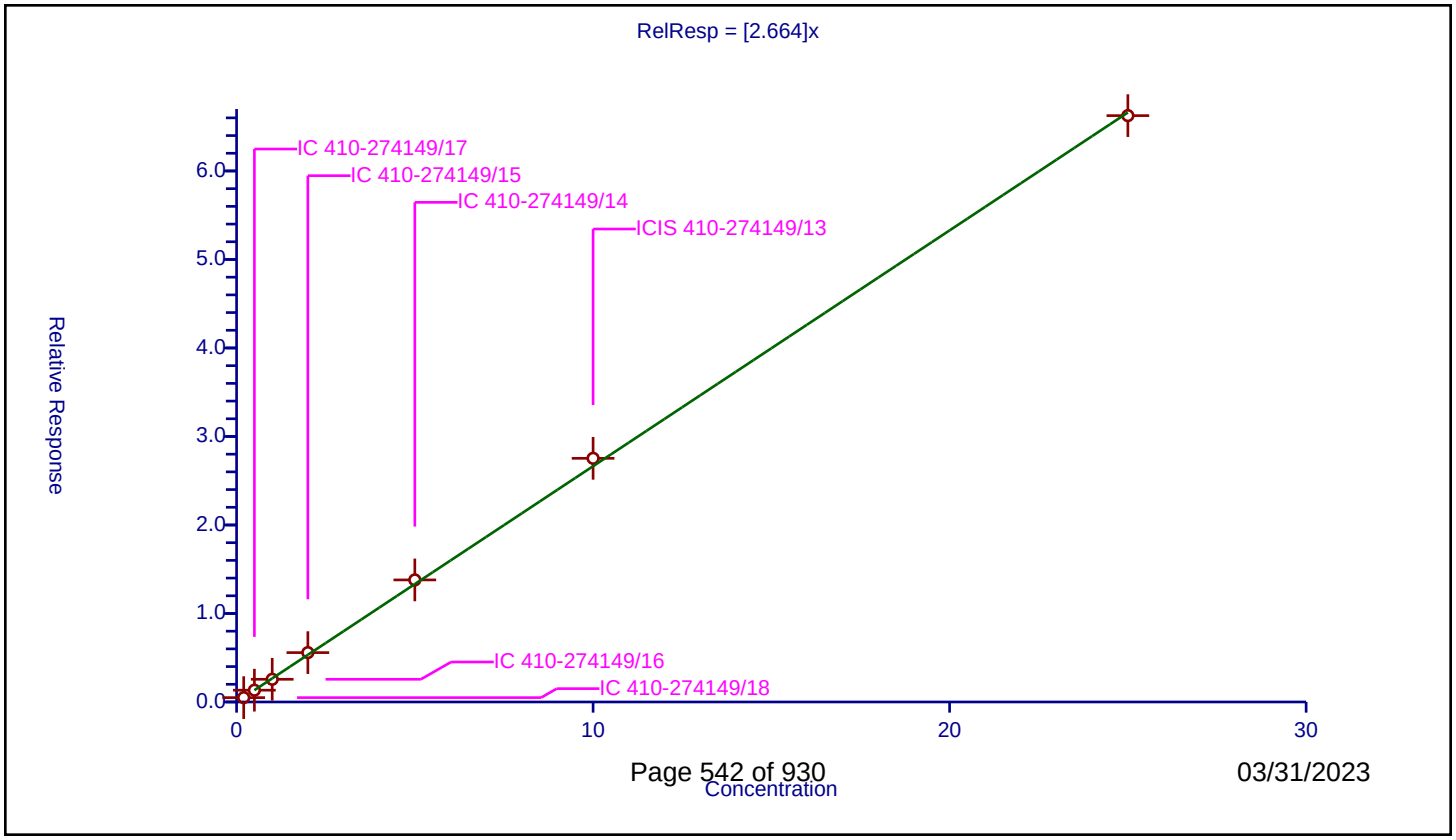
Curve Coefficients

Intercept:	0
Slope:	2.664

Error Coefficients

Standard Error:	3240000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.493579	10.0	1000650.0	2.467896	Y
2	IC 410-274149/17	0.5	1.332862	10.0	974107.0	2.665724	Y
3	IC 410-274149/16	1.0	2.564931	10.0	992900.0	2.564931	Y
4	IC 410-274149/15	2.0	5.579012	10.0	997250.0	2.789506	Y
5	IC 410-274149/14	5.0	13.791804	10.0	1047322.0	2.758361	Y
6	ICIS 410-274149/13	10.0	27.53329	10.0	1051287.0	2.753329	Y
7	IC 410-274149/12	25.0	66.251548	10.0	1090322.0	2.650062	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

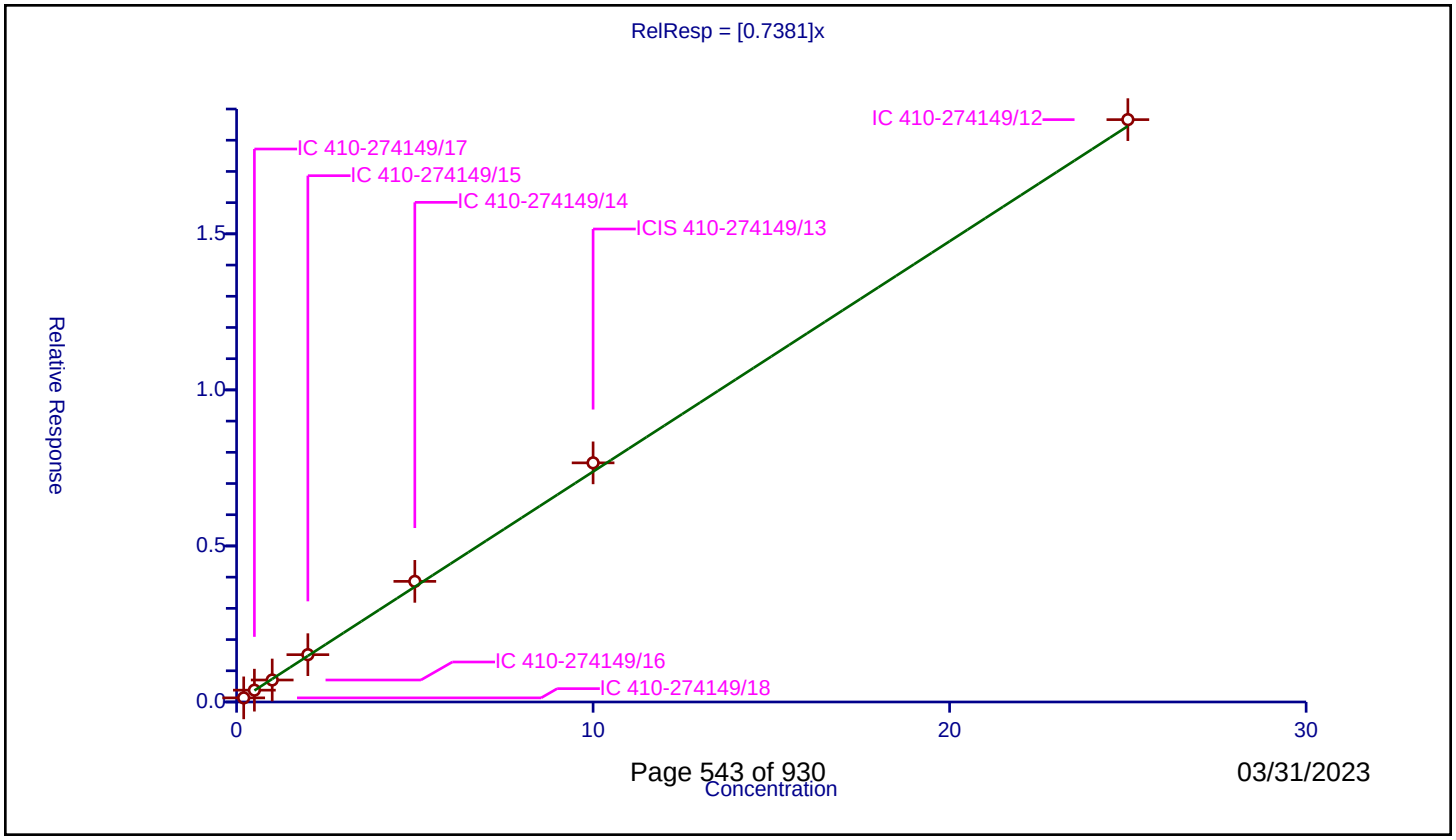
Curve Coefficients

Intercept:	0
Slope:	0.7381

Error Coefficients

Standard Error:	911000
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 410-274149/18	0.2	0.132214	10.0	1000650.0	0.66107	Y
2	IC 410-274149/17	0.5	0.378767	10.0	974107.0	0.757535	Y
3	IC 410-274149/16	1.0	0.704139	10.0	992900.0	0.704139	Y
4	IC 410-274149/15	2.0	1.516551	10.0	997250.0	0.758275	Y
5	IC 410-274149/14	5.0	3.86522	10.0	1047322.0	0.773044	Y
6	ICIS 410-274149/13	10.0	7.662161	10.0	1051287.0	0.766216	Y
7	IC 410-274149/12	25.0	18.660011	10.0	1090322.0	0.7464	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

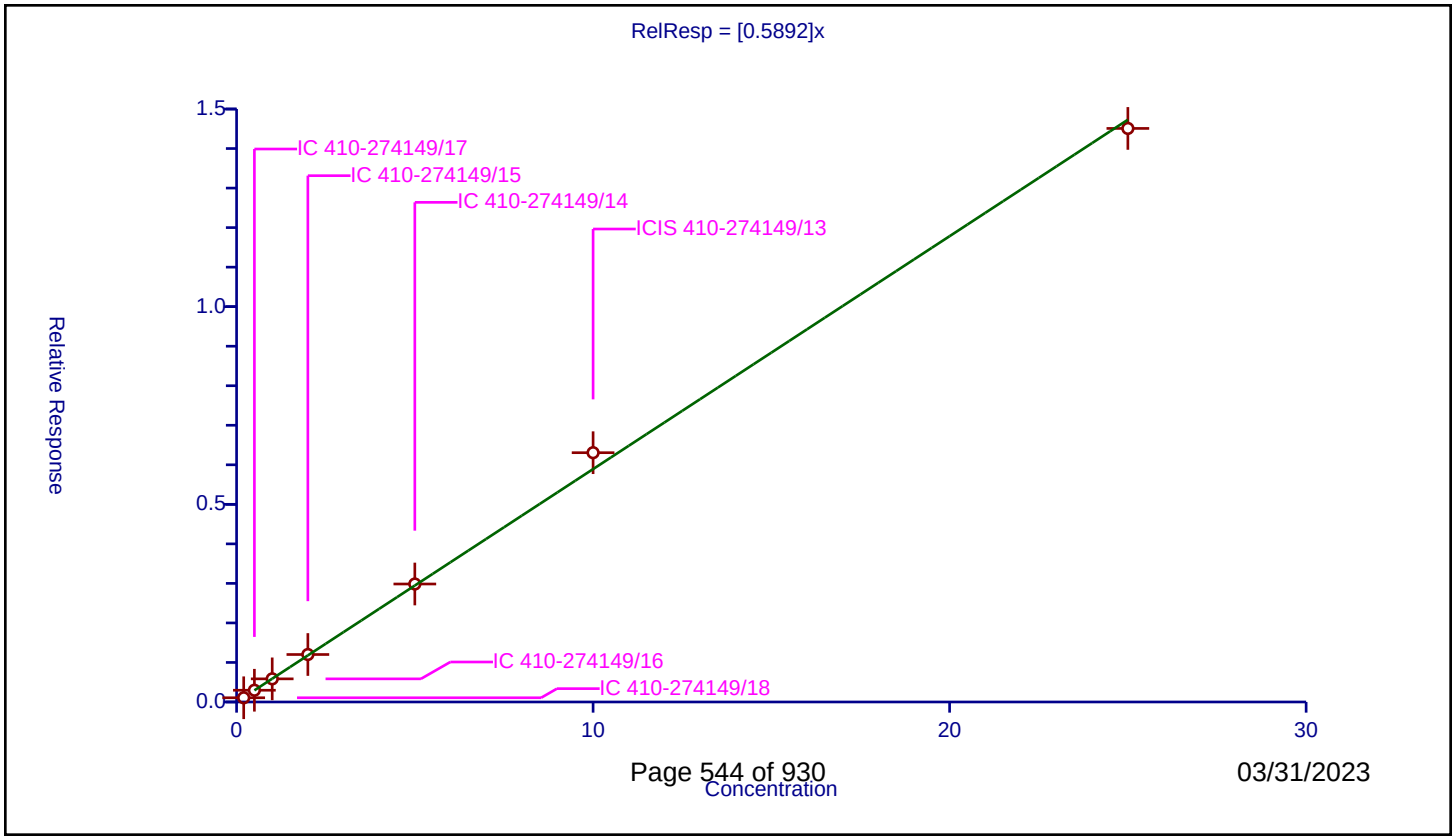
Curve Coefficients

Intercept:	0
Slope:	0.5892

Error Coefficients

Standard Error:	714000
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 410-274149/18	0.2	0.10715	10.0	1000650.0	0.535752	Y
2	IC 410-274149/17	0.5	0.297267	10.0	974107.0	0.594534	Y
3	IC 410-274149/16	1.0	0.585517	10.0	992900.0	0.585517	Y
4	IC 410-274149/15	2.0	1.200892	10.0	997250.0	0.600446	Y
5	IC 410-274149/14	5.0	2.984717	10.0	1047322.0	0.596943	Y
6	ICIS 410-274149/13	10.0	6.306194	10.0	1051287.0	0.630619	Y
7	IC 410-274149/12	25.0	14.508604	10.0	1090322.0	0.580344	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

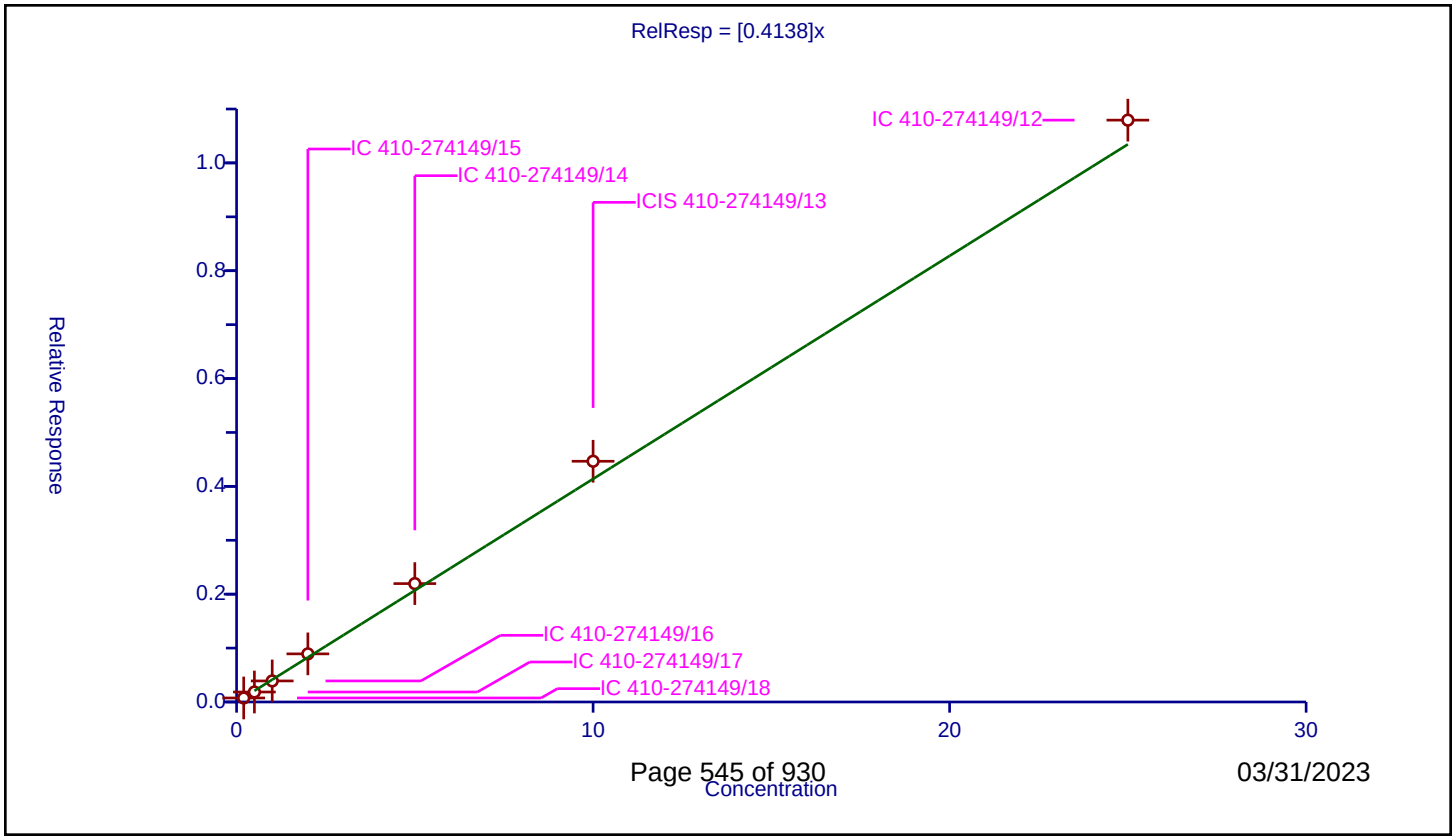
Curve Coefficients

Intercept:	0
Slope:	0.4138

Error Coefficients

Standard Error:	527000
Relative Standard Error:	8.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.074402	10.0	1000650.0	0.372008	Y
2	IC 410-274149/17	0.5	0.185021	10.0	974107.0	0.370041	Y
3	IC 410-274149/16	1.0	0.390613	10.0	992900.0	0.390613	Y
4	IC 410-274149/15	2.0	0.892524	10.0	997250.0	0.446262	Y
5	IC 410-274149/14	5.0	2.196335	10.0	1047322.0	0.439267	Y
6	ICIS 410-274149/13	10.0	4.465831	10.0	1051287.0	0.446583	Y
7	IC 410-274149/12	25.0	10.79394	10.0	1090322.0	0.431758	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

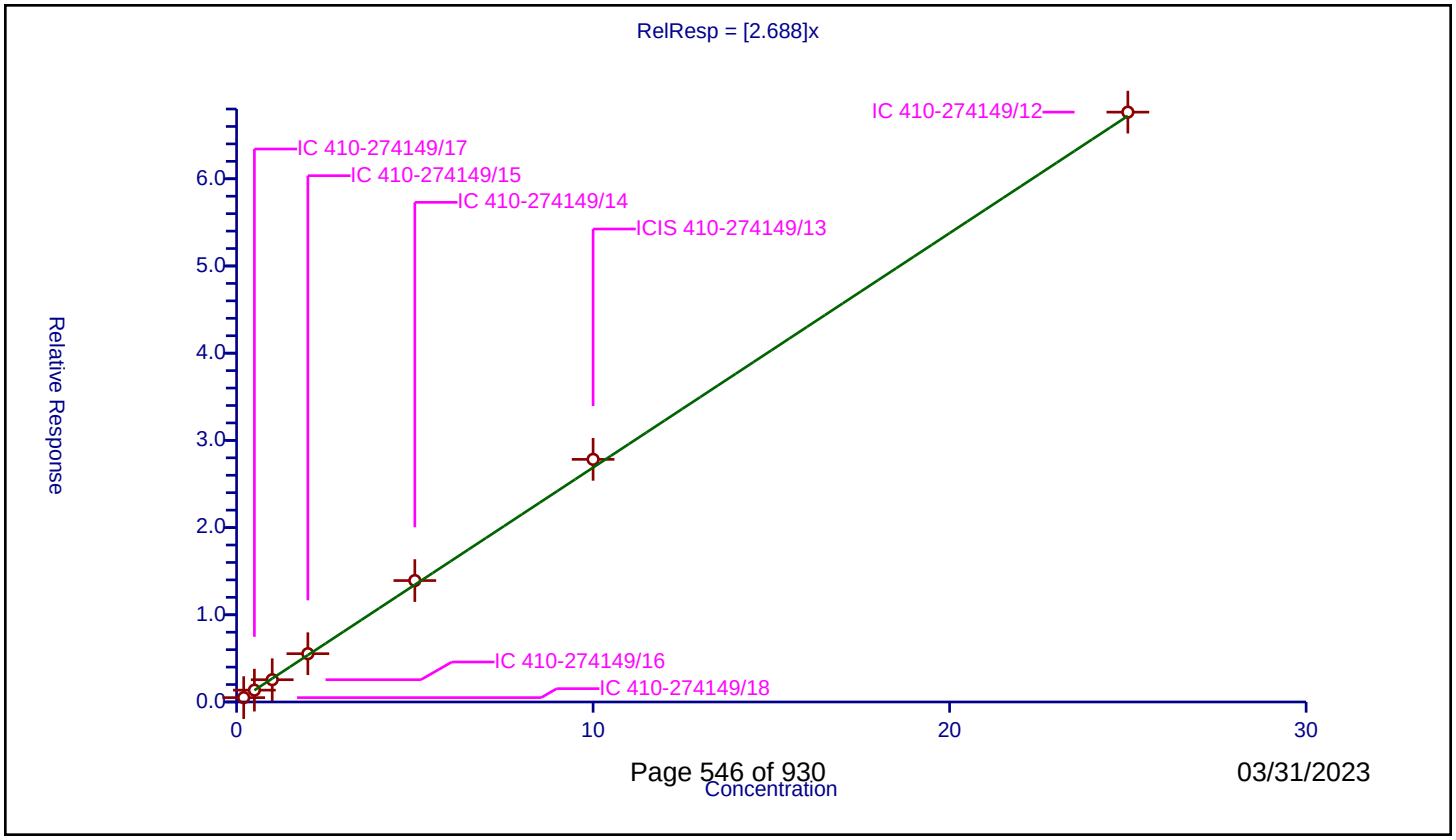
Curve Coefficients

Intercept:	0
Slope:	2.688

Error Coefficients

Standard Error:	3300000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.500984	10.0	1000650.0	2.504922	Y
2	IC 410-274149/17	0.5	1.358105	10.0	974107.0	2.716211	Y
3	IC 410-274149/16	1.0	2.555816	10.0	992900.0	2.555816	Y
4	IC 410-274149/15	2.0	5.53829	10.0	997250.0	2.769145	Y
5	IC 410-274149/14	5.0	13.923798	10.0	1047322.0	2.78476	Y
6	ICIS 410-274149/13	10.0	27.822602	10.0	1051287.0	2.78226	Y
7	IC 410-274149/12	25.0	67.641449	10.0	1090322.0	2.705658	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

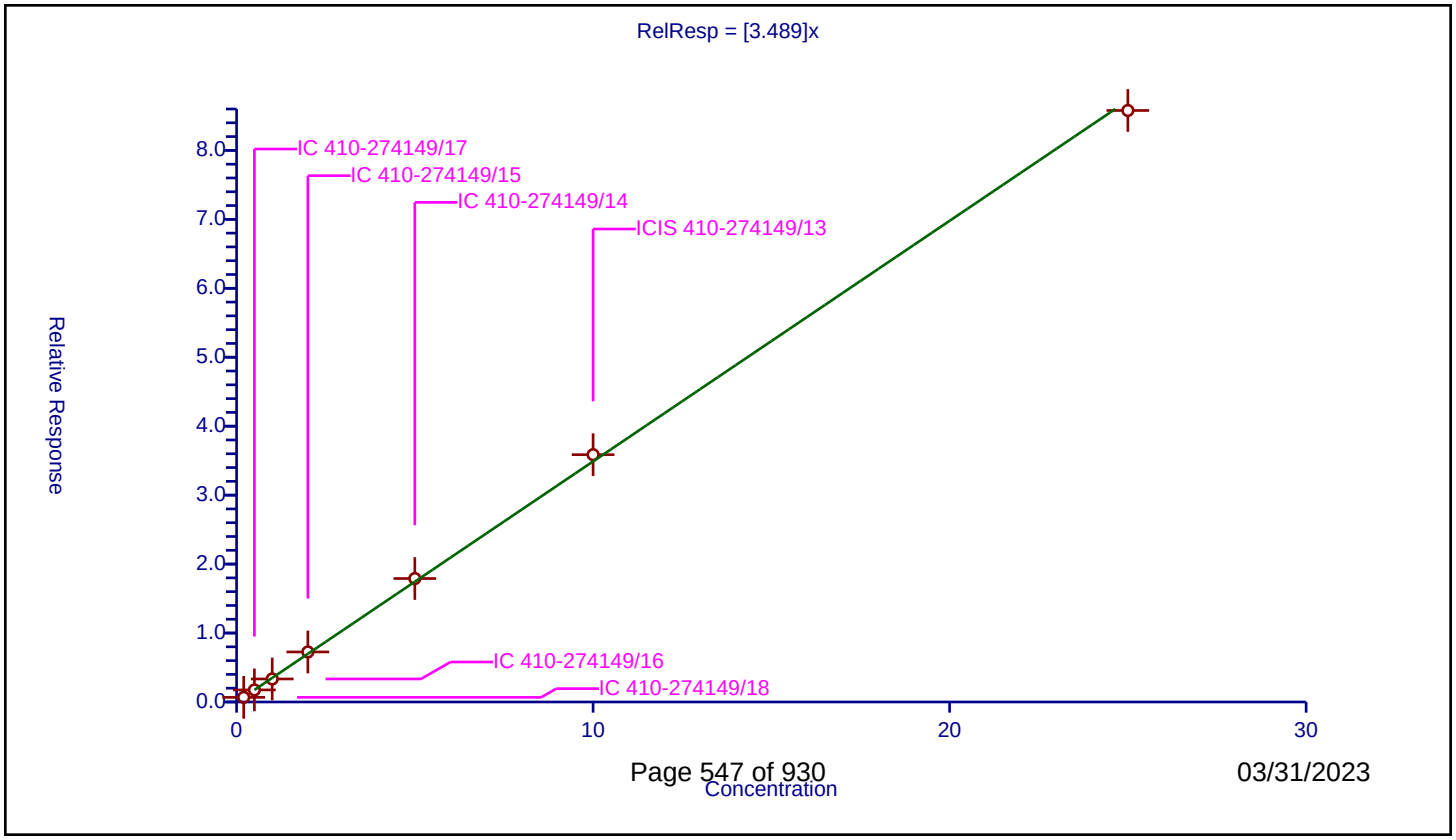
Curve Coefficients

Intercept:	0
Slope:	3.489

Error Coefficients

Standard Error:	4200000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.672433	10.0	1000650.0	3.362165	Y
2	IC 410-274149/17	0.5	1.748083	10.0	974107.0	3.496166	Y
3	IC 410-274149/16	1.0	3.338282	10.0	992900.0	3.338282	Y
4	IC 410-274149/15	2.0	7.257298	10.0	997250.0	3.628649	Y
5	IC 410-274149/14	5.0	17.903243	10.0	1047322.0	3.580649	Y
6	ICIS 410-274149/13	10.0	35.868749	10.0	1051287.0	3.586875	Y
7	IC 410-274149/12	25.0	85.786098	10.0	1090322.0	3.431444	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

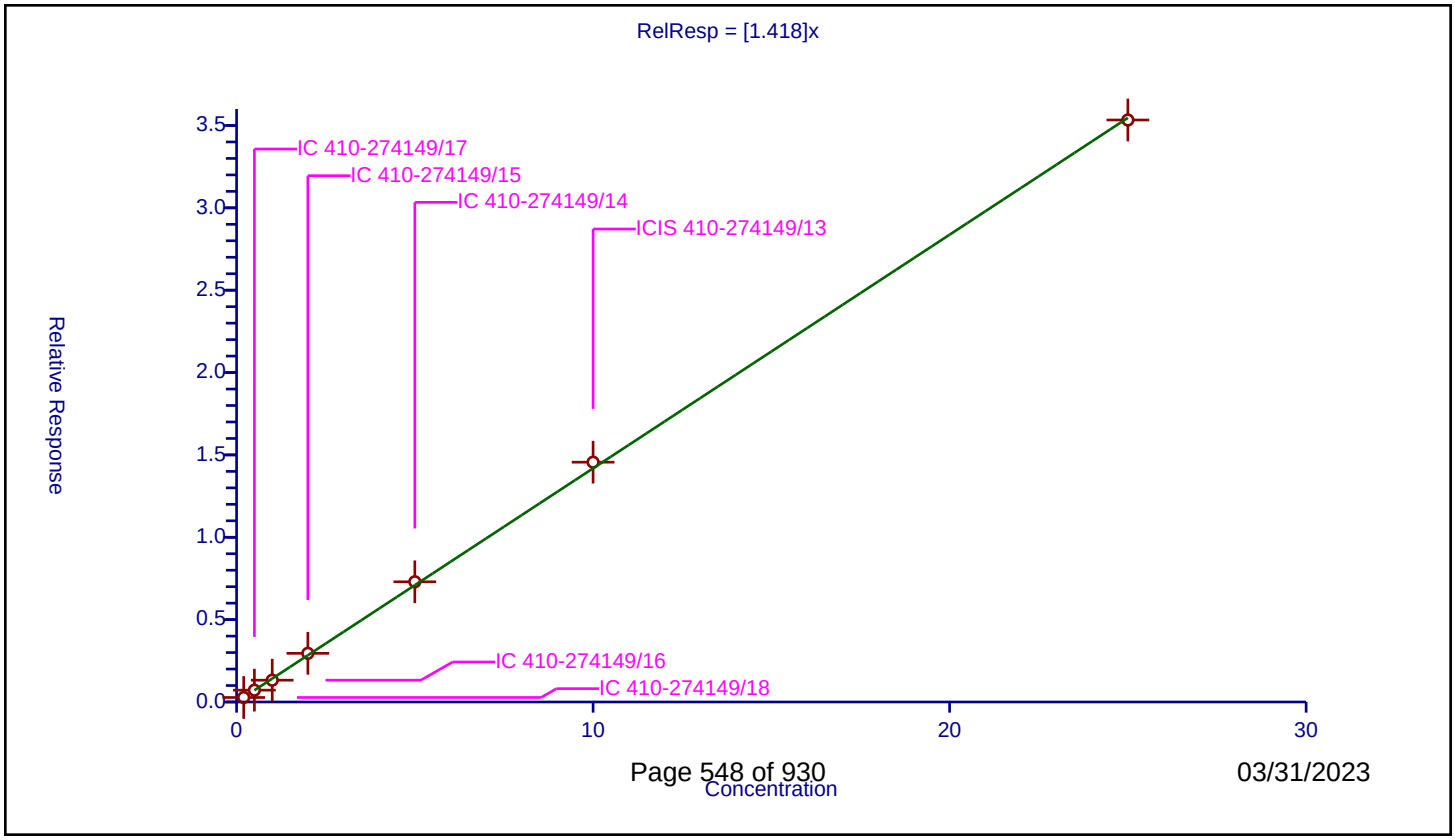
Curve Coefficients

Intercept:	0
Slope:	1.418

Error Coefficients

Standard Error:	1730000
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 410-274149/18	0.2	0.272983	10.0	1000650.0	1.364913	Y
2	IC 410-274149/17	0.5	0.717693	10.0	974107.0	1.435386	Y
3	IC 410-274149/16	1.0	1.323406	10.0	992900.0	1.323406	Y
4	IC 410-274149/15	2.0	2.953883	10.0	997250.0	1.476942	Y
5	IC 410-274149/14	5.0	7.297765	10.0	1047322.0	1.459553	Y
6	ICIS 410-274149/13	10.0	14.558822	10.0	1051287.0	1.455882	Y
7	IC 410-274149/12	25.0	35.333094	10.0	1090322.0	1.413324	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

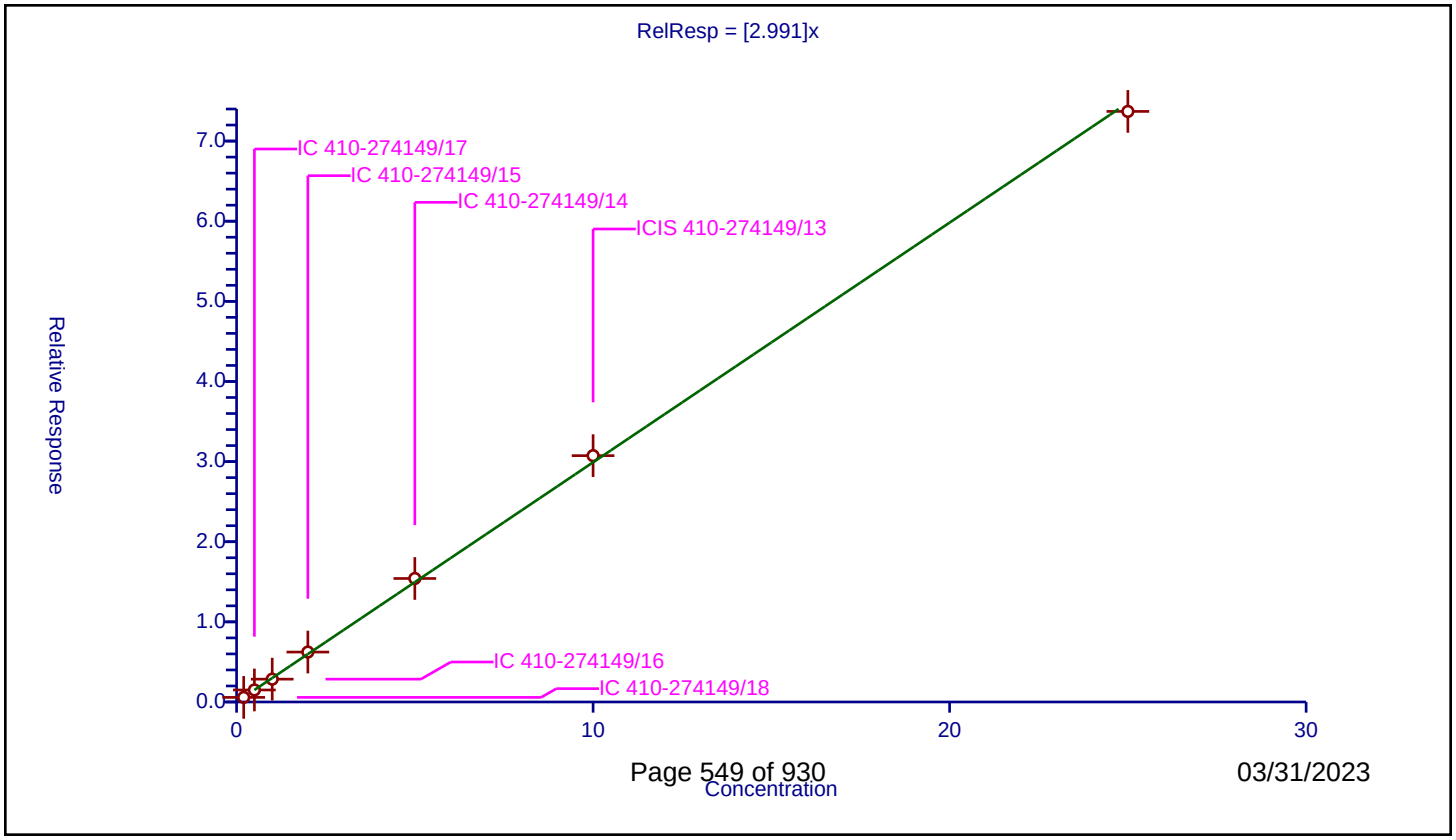
Curve Coefficients

Intercept:	0
Slope:	2.991

Error Coefficients

Standard Error:	3610000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.573247	10.0	1000650.0	2.866237	Y
2	IC 410-274149/17	0.5	1.500184	10.0	974107.0	3.000369	Y
3	IC 410-274149/16	1.0	2.850317	10.0	992900.0	2.850317	Y
4	IC 410-274149/15	2.0	6.230474	10.0	997250.0	3.115237	Y
5	IC 410-274149/14	5.0	15.413359	10.0	1047322.0	3.082672	Y
6	ICIS 410-274149/13	10.0	30.740901	10.0	1051287.0	3.07409	Y
7	IC 410-274149/12	25.0	73.698962	10.0	1090322.0	2.947958	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

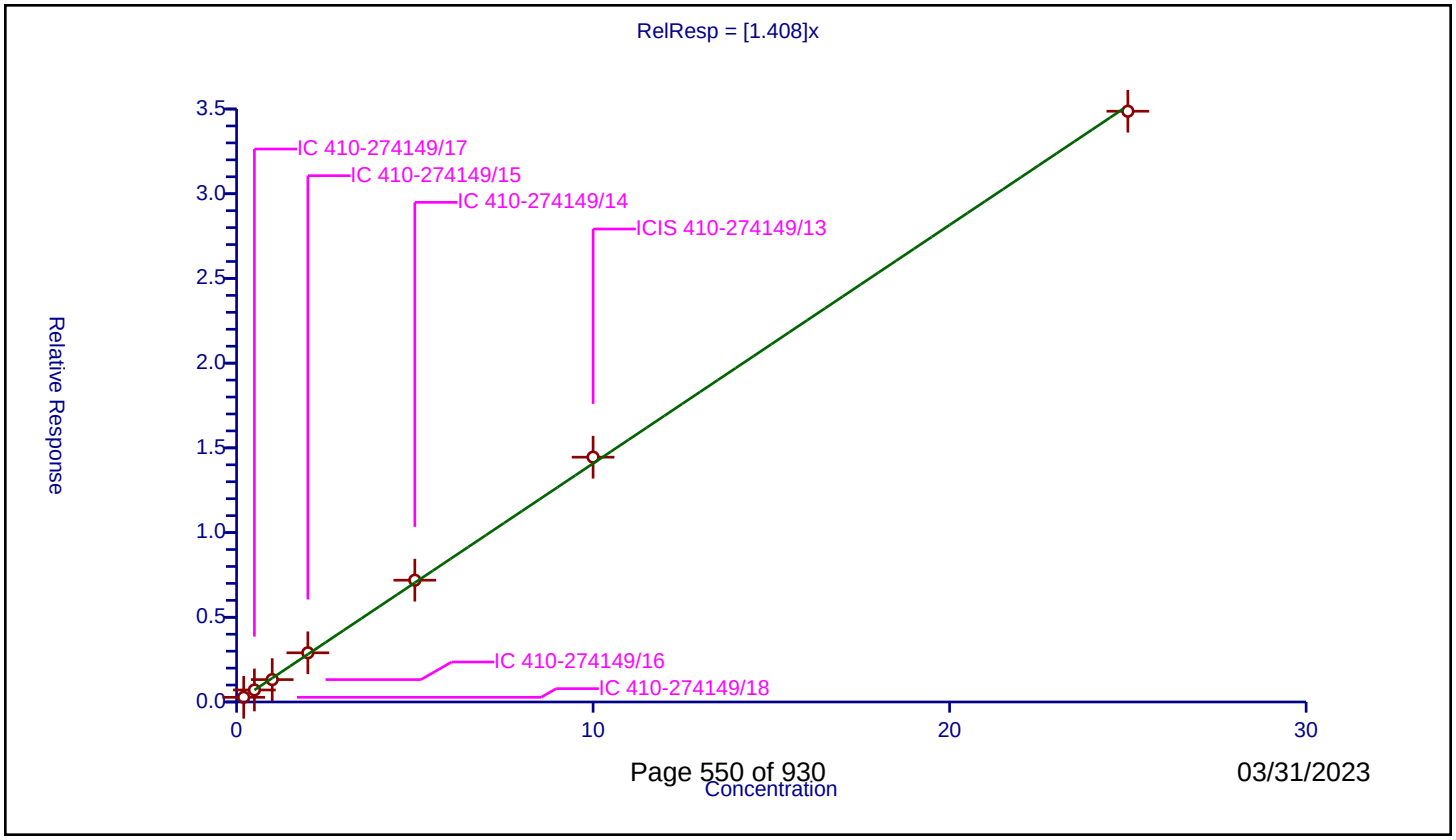
Curve Coefficients

Intercept:	0
Slope:	1.408

Error Coefficients

Standard Error:	1700000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.27683	10.0	1000650.0	1.38415	Y
2	IC 410-274149/17	0.5	0.709573	10.0	974107.0	1.419146	Y
3	IC 410-274149/16	1.0	1.321644	10.0	992900.0	1.321644	Y
4	IC 410-274149/15	2.0	2.903926	10.0	997250.0	1.451963	Y
5	IC 410-274149/14	5.0	7.188792	10.0	1047322.0	1.437758	Y
6	ICIS 410-274149/13	10.0	14.450098	10.0	1051287.0	1.44501	Y
7	IC 410-274149/12	25.0	34.86914	10.0	1090322.0	1.394766	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

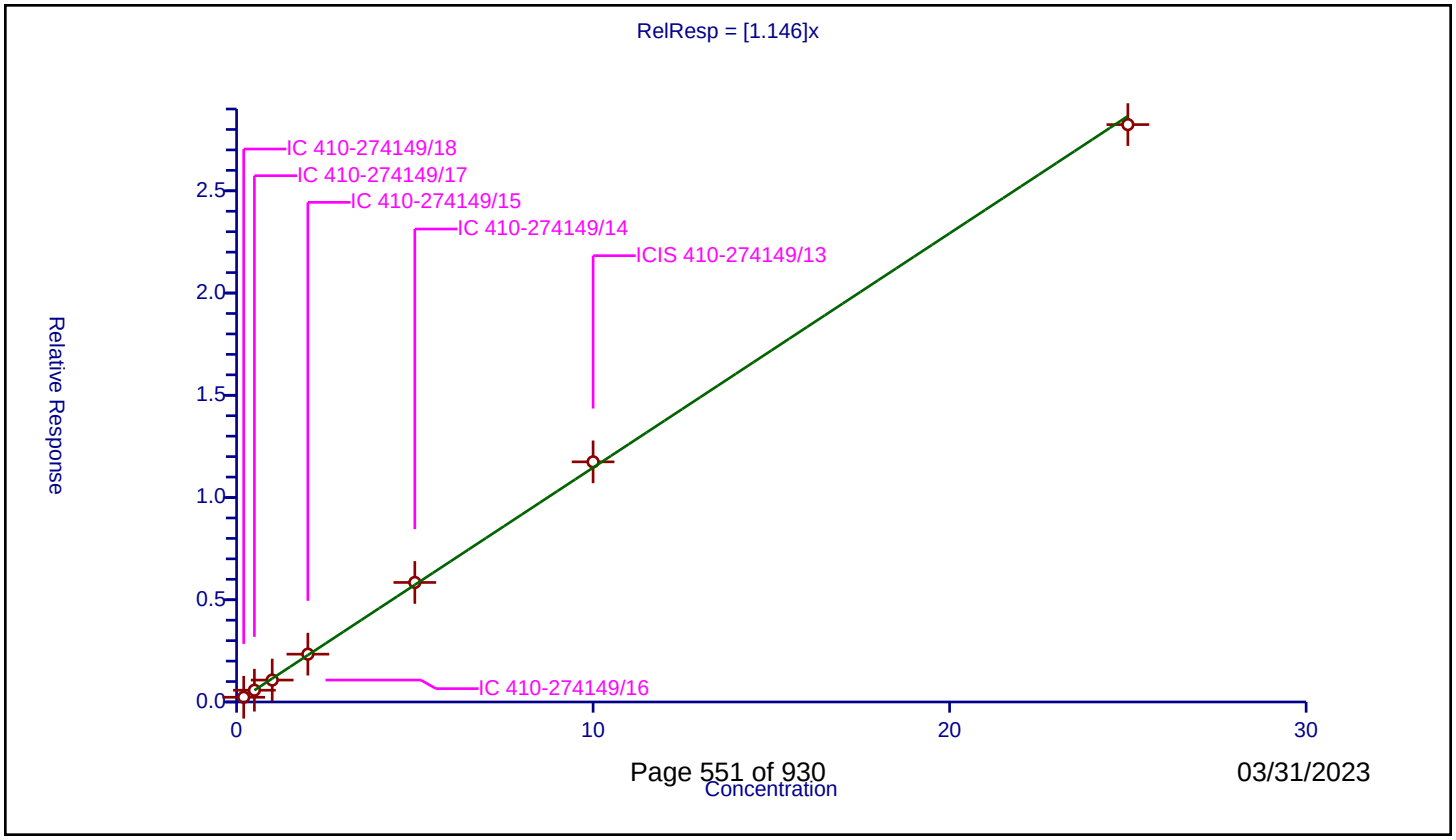
Curve Coefficients

Intercept:	0
Slope:	1.146

Error Coefficients

Standard Error:	1380000
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 410-274149/18	0.2	0.23128	10.0	1000650.0	1.156398	Y
2	IC 410-274149/17	0.5	0.575738	10.0	974107.0	1.151475	Y
3	IC 410-274149/16	1.0	1.072102	10.0	992900.0	1.072102	Y
4	IC 410-274149/15	2.0	2.339233	10.0	997250.0	1.169616	Y
5	IC 410-274149/14	5.0	5.845356	10.0	1047322.0	1.169071	Y
6	ICIS 410-274149/13	10.0	11.744195	10.0	1051287.0	1.17442	Y
7	IC 410-274149/12	25.0	28.238062	10.0	1090322.0	1.129522	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

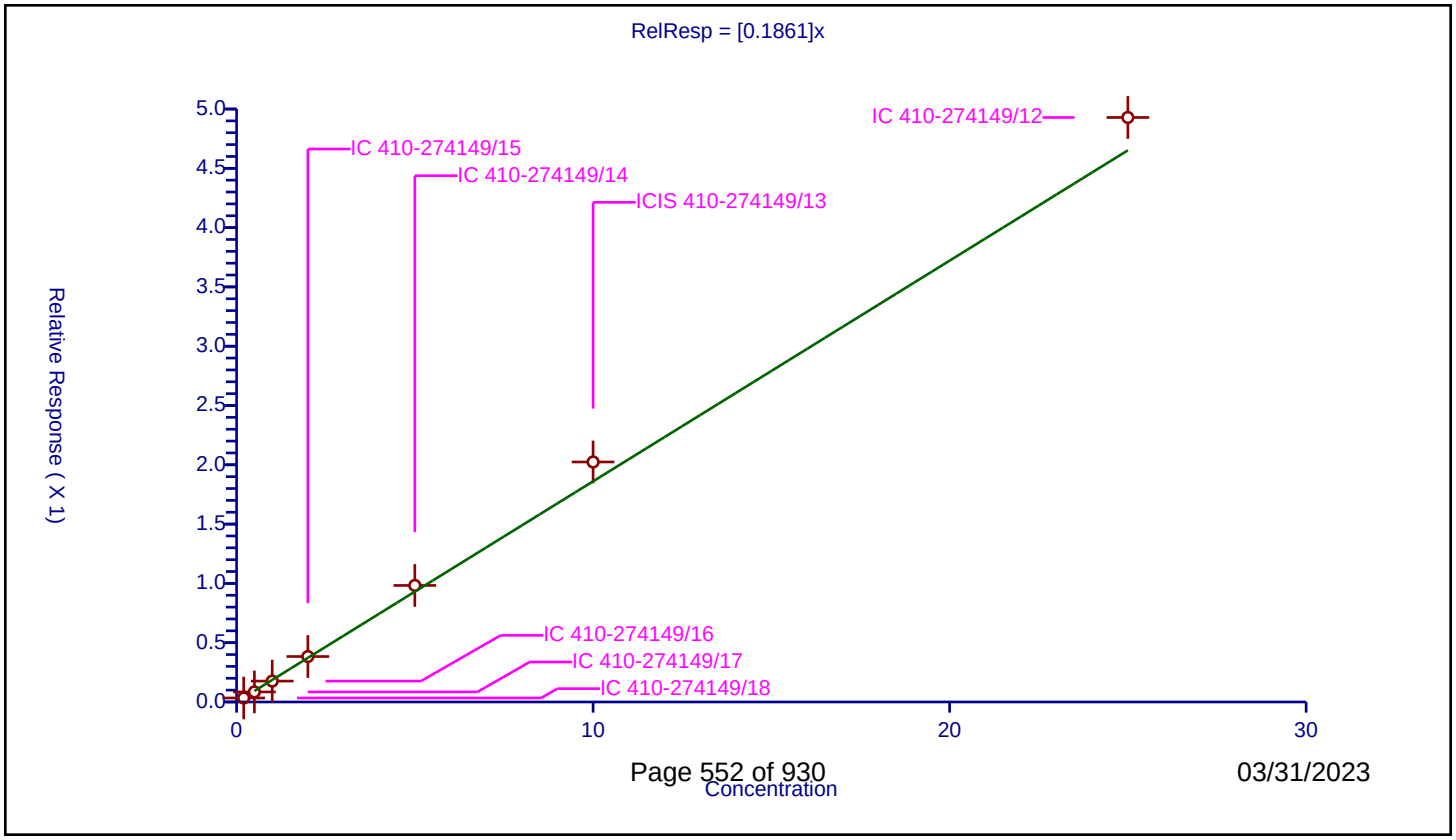
Curve Coefficients

Intercept:	0
Slope:	0.1861

Error Coefficients

Standard Error:	240000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.033768	10.0	1000650.0	0.16884	Y
2	IC 410-274149/17	0.5	0.084796	10.0	974107.0	0.169591	Y
3	IC 410-274149/16	1.0	0.176251	10.0	992900.0	0.176251	Y
4	IC 410-274149/15	2.0	0.383324	10.0	997250.0	0.191662	Y
5	IC 410-274149/14	5.0	0.982792	10.0	1047322.0	0.196558	Y
6	ICIS 410-274149/13	10.0	2.023872	10.0	1051287.0	0.202387	Y
7	IC 410-274149/12	25.0	4.92881	10.0	1090322.0	0.197152	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

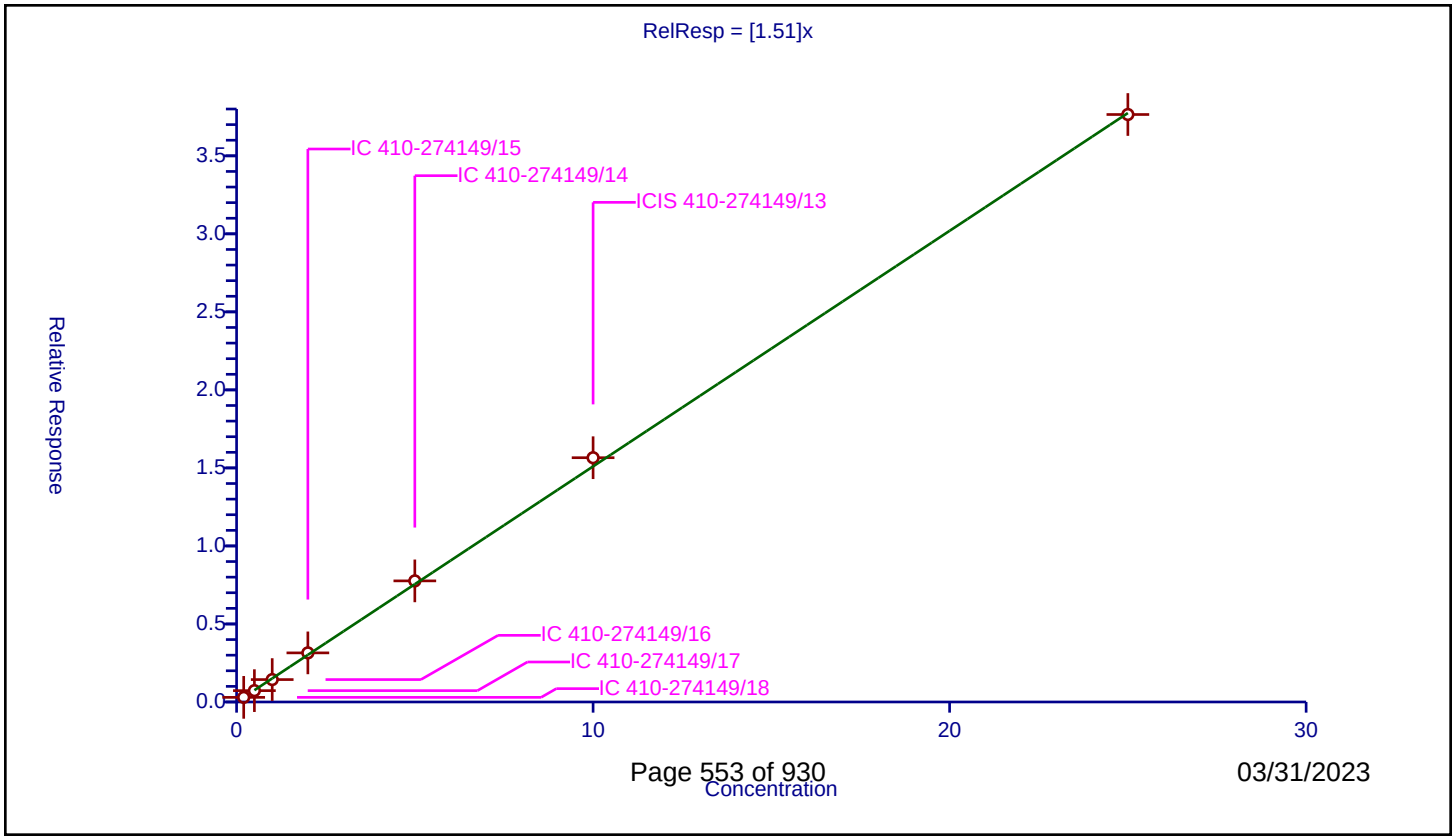
Curve Coefficients

Intercept:	0
Slope:	1.51

Error Coefficients

Standard Error:	1840000
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 410-274149/18	0.2	0.295778	10.0	1000650.0	1.478889	Y
2	IC 410-274149/17	0.5	0.727918	10.0	974107.0	1.455836	Y
3	IC 410-274149/16	1.0	1.435774	10.0	992900.0	1.435774	Y
4	IC 410-274149/15	2.0	3.147536	10.0	997250.0	1.573768	Y
5	IC 410-274149/14	5.0	7.760307	10.0	1047322.0	1.552061	Y
6	ICIS 410-274149/13	10.0	15.653528	10.0	1051287.0	1.565353	Y
7	IC 410-274149/12	25.0	37.648447	10.0	1090322.0	1.505938	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

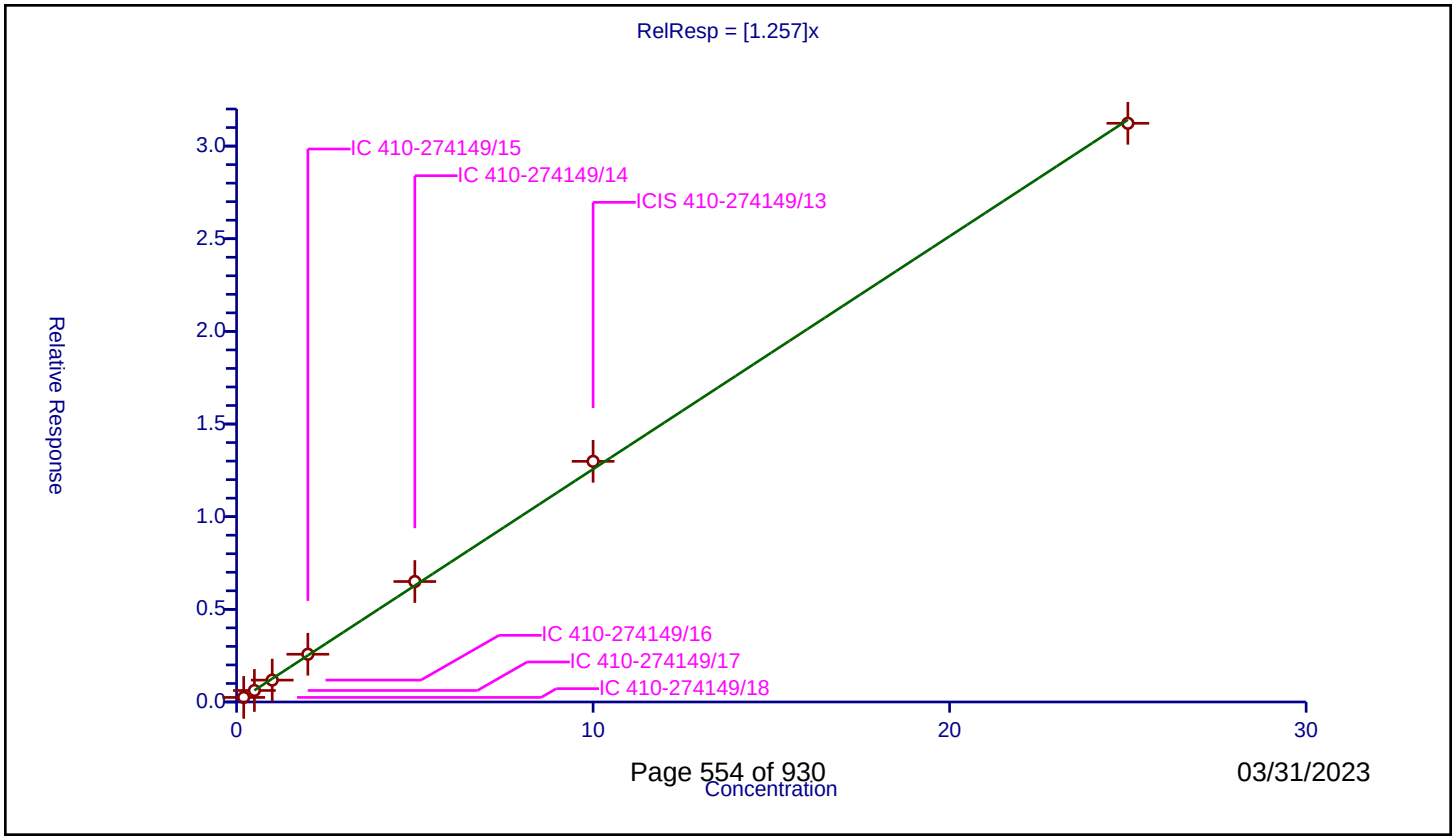
Curve Coefficients

Intercept:	0
Slope:	1.257

Error Coefficients

Standard Error:	1530000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.247299	10.0	1000650.0	1.236496	Y
2	IC 410-274149/17	0.5	0.621677	10.0	974107.0	1.243354	Y
3	IC 410-274149/16	1.0	1.180723	10.0	992900.0	1.180723	Y
4	IC 410-274149/15	2.0	2.576084	10.0	997250.0	1.288042	Y
5	IC 410-274149/14	5.0	6.501496	10.0	1047322.0	1.300299	Y
6	ICIS 410-274149/13	10.0	12.987348	10.0	1051287.0	1.298735	Y
7	IC 410-274149/12	25.0	31.230655	10.0	1090322.0	1.249226	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

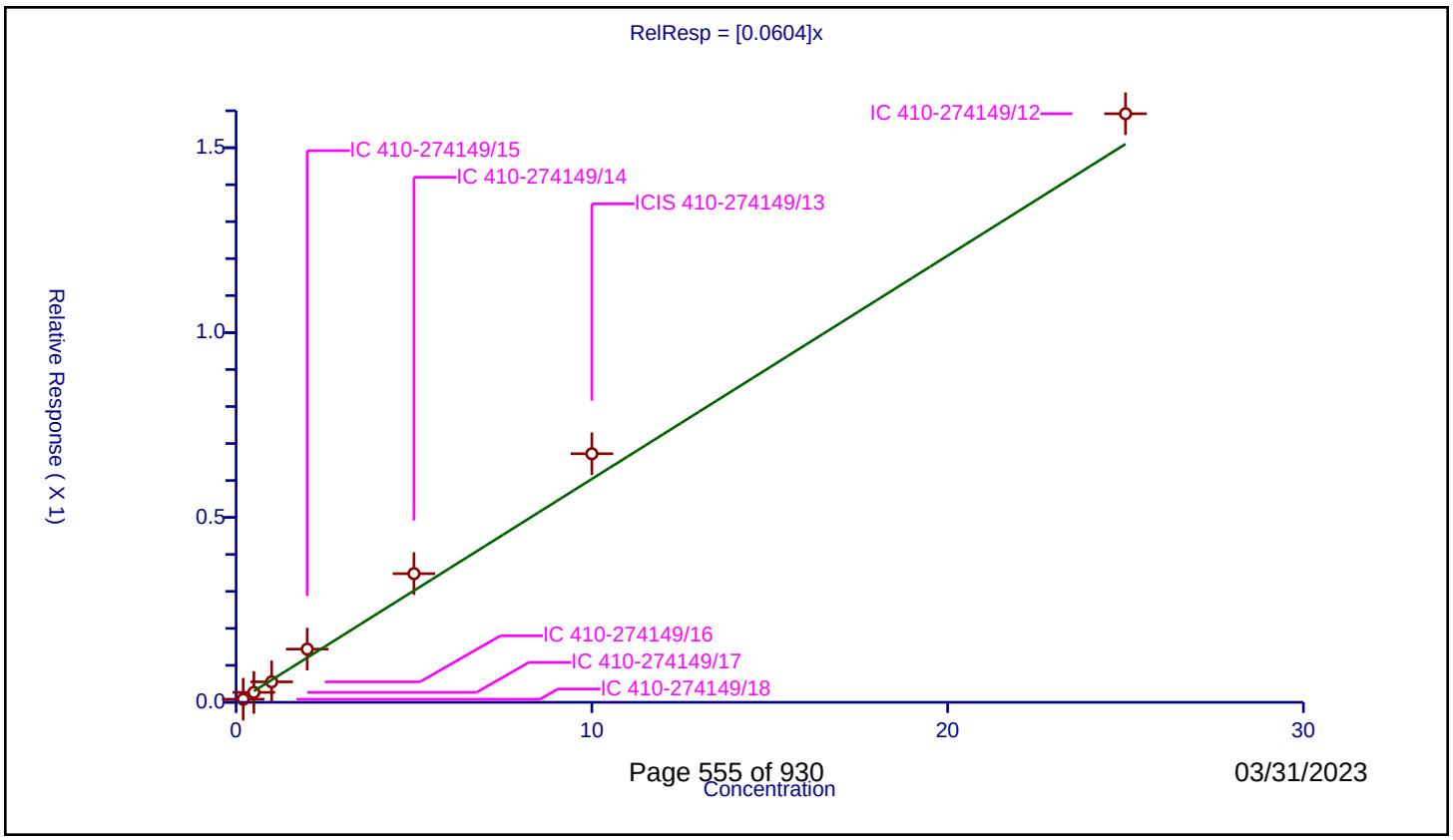
Curve Coefficients

Intercept:	0
Slope:	0.0604

Error Coefficients

Standard Error:	78200
Relative Standard Error:	18.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.008285	10.0	1000650.0	0.041423	Y
2	IC 410-274149/17	0.5	0.026784	10.0	974107.0	0.053567	Y
3	IC 410-274149/16	1.0	0.055383	10.0	992900.0	0.055383	Y
4	IC 410-274149/15	2.0	0.143856	10.0	997250.0	0.071928	Y
5	IC 410-274149/14	5.0	0.347983	10.0	1047322.0	0.069597	Y
6	ICIS 410-274149/13	10.0	0.67229	10.0	1051287.0	0.067229	Y
7	IC 410-274149/12	25.0	1.591952	10.0	1090322.0	0.063678	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

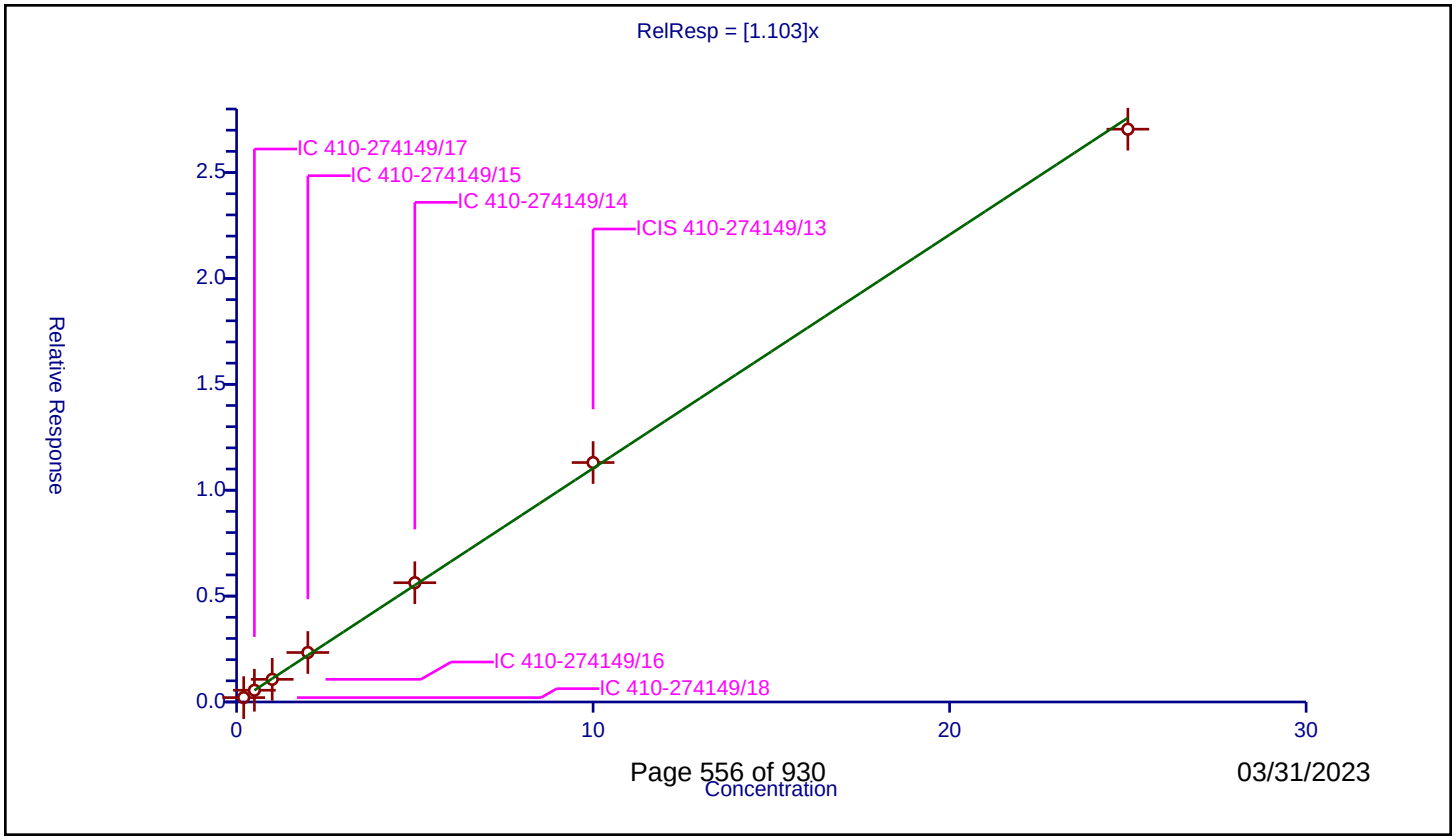
Curve Coefficients

Intercept:	0
Slope:	1.103

Error Coefficients

Standard Error:	1320000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.207245	10.0	1000650.0	1.036226	Y
2	IC 410-274149/17	0.5	0.554672	10.0	974107.0	1.109344	Y
3	IC 410-274149/16	1.0	1.070098	10.0	992900.0	1.070098	Y
4	IC 410-274149/15	2.0	2.336445	10.0	997250.0	1.168223	Y
5	IC 410-274149/14	5.0	5.632165	10.0	1047322.0	1.126433	Y
6	ICIS 410-274149/13	10.0	11.306988	10.0	1051287.0	1.130699	Y
7	IC 410-274149/12	25.0	27.048037	10.0	1090322.0	1.081921	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

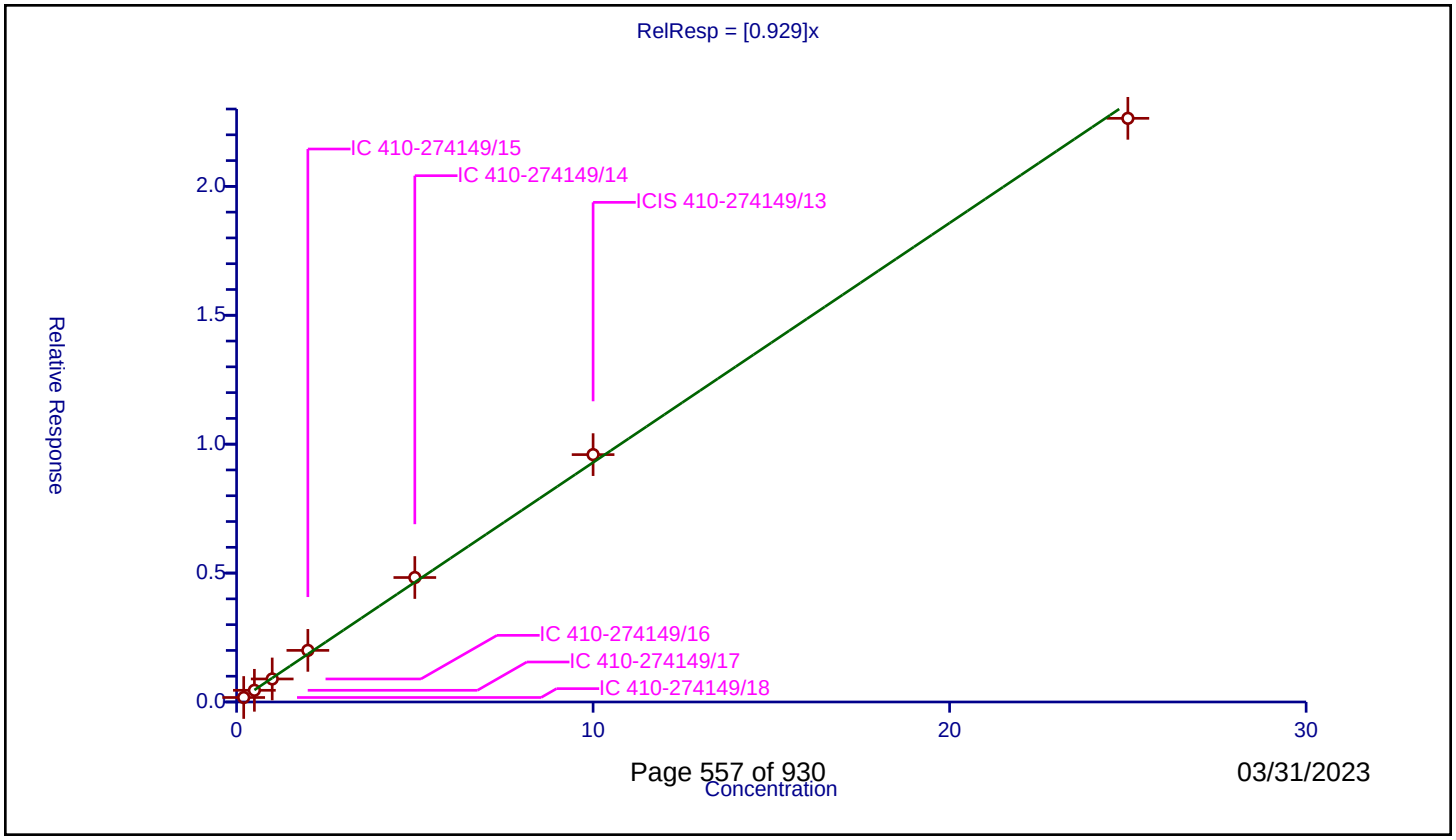
Curve Coefficients

Intercept:	0
Slope:	0.929

Error Coefficients

Standard Error:	1110000
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 410-274149/18	0.2	0.174067	10.0	1000650.0	0.870334	Y
2	IC 410-274149/17	0.5	0.453954	10.0	974107.0	0.907908	Y
3	IC 410-274149/16	1.0	0.893202	10.0	992900.0	0.893202	Y
4	IC 410-274149/15	2.0	2.001935	10.0	997250.0	1.000968	Y
5	IC 410-274149/14	5.0	4.827665	10.0	1047322.0	0.965533	Y
6	ICIS 410-274149/13	10.0	9.595505	10.0	1051287.0	0.959551	Y
7	IC 410-274149/12	25.0	22.638863	10.0	1090322.0	0.905555	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

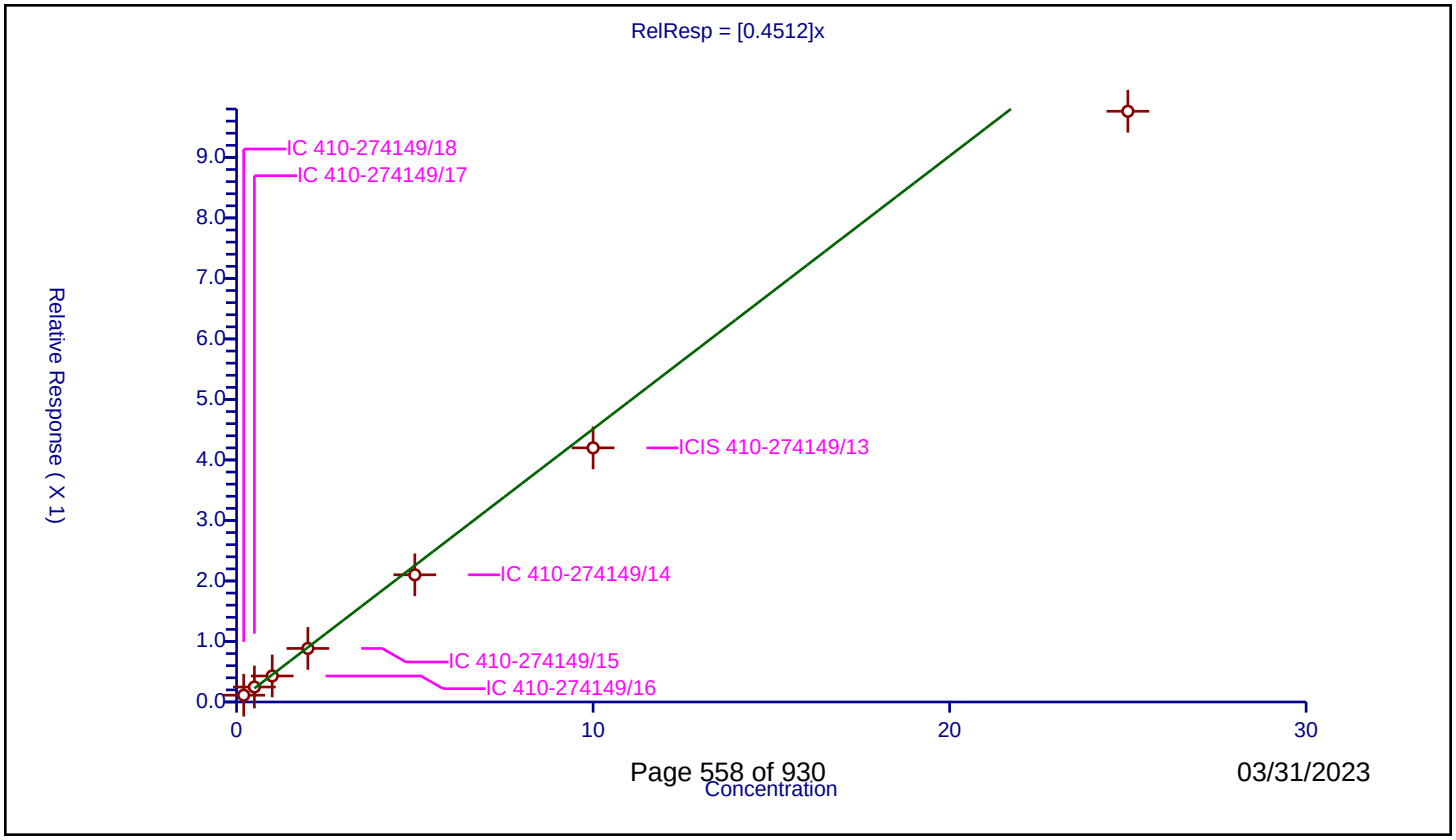
Curve Coefficients

Intercept:	0
Slope:	0.4512

Error Coefficients

Standard Error:	481000
Relative Standard Error:	12.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.112037	10.0	1000650.0	0.560186	Y
2	IC 410-274149/17	0.5	0.247468	10.0	974107.0	0.494935	Y
3	IC 410-274149/16	1.0	0.429761	10.0	992900.0	0.429761	Y
4	IC 410-274149/15	2.0	0.885114	10.0	997250.0	0.442557	Y
5	IC 410-274149/14	5.0	2.101932	10.0	1047322.0	0.420386	Y
6	ICIS 410-274149/13	10.0	4.199966	10.0	1051287.0	0.419997	Y
7	IC 410-274149/12	25.0	9.762987	10.0	1090322.0	0.390519	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

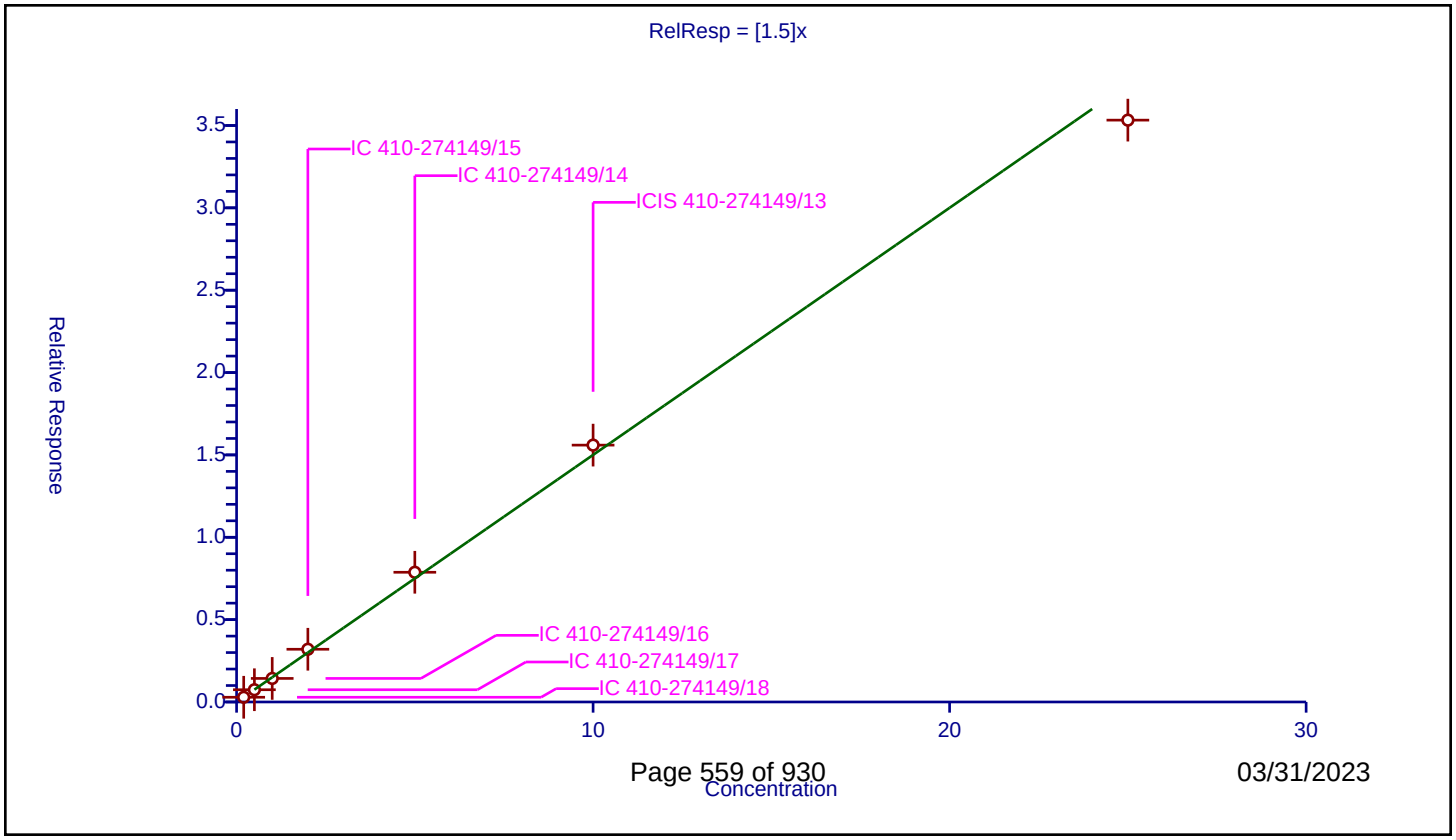
Curve Coefficients

Intercept:	0
Slope:	1.5

Error Coefficients

Standard Error:	1750000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.287023	10.0	1000650.0	1.435117	Y
2	IC 410-274149/17	0.5	0.743614	10.0	974107.0	1.487229	Y
3	IC 410-274149/16	1.0	1.429832	10.0	992900.0	1.429832	Y
4	IC 410-274149/15	2.0	3.201093	10.0	997250.0	1.600547	Y
5	IC 410-274149/14	5.0	7.87582	10.0	1047322.0	1.575164	Y
6	ICIS 410-274149/13	10.0	15.594895	10.0	1051287.0	1.559489	Y
7	IC 410-274149/12	25.0	35.324134	10.0	1090322.0	1.412965	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

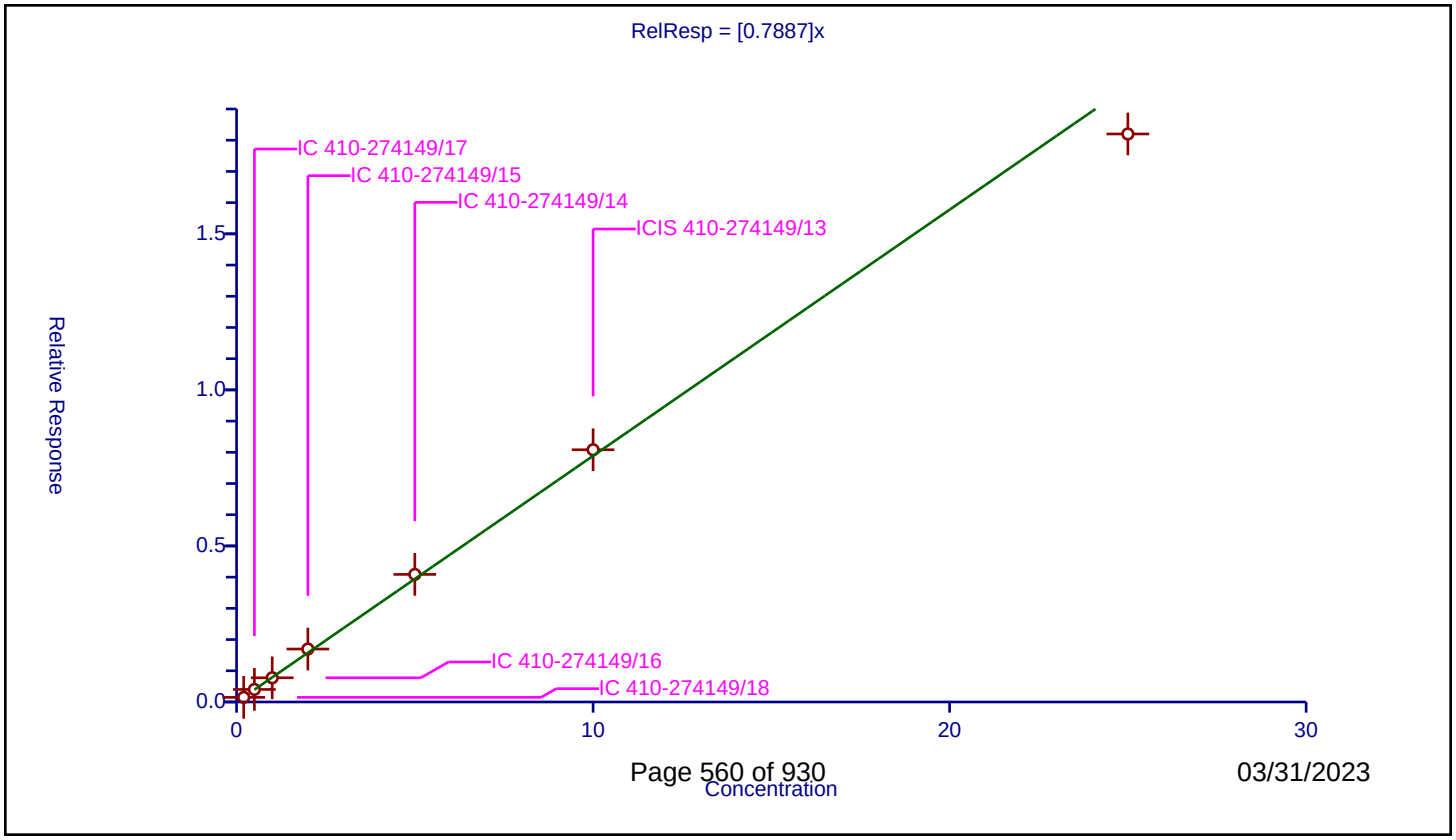
Curve Coefficients

Intercept:	0
Slope:	0.7887

Error Coefficients

Standard Error:	902000
Relative Standard Error:	5.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-274149/18	0.2	0.147884	10.0	1000650.0	0.739419	Y
2	IC 410-274149/17	0.5	0.402102	10.0	974107.0	0.804203	Y
3	IC 410-274149/16	1.0	0.775254	10.0	992900.0	0.775254	Y
4	IC 410-274149/15	2.0	1.696556	10.0	997250.0	0.848278	Y
5	IC 410-274149/14	5.0	4.087845	10.0	1047322.0	0.817569	Y
6	ICIS 410-274149/13	10.0	8.081504	10.0	1051287.0	0.80815	Y
7	IC 410-274149/12	25.0	18.200467	10.0	1090322.0	0.728019	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 01:00 Calibration End Date: 03/21/2023 03:01 Calibration ID: 48555

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-355532/9	IM21X08.D
Level 2	IC 410-355532/8	IM21X07.D
Level 3	IC 410-355532/7	IM21X06.D
Level 4	IC 410-355532/6	IM21X05.D
Level 5	IC 410-355532/5	IM21X04.D
Level 6	IC 410-355532/4	IM21X03.D
Level 7	IC 410-355532/3	IM21X02.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	0.4047 0.3954	0.4122 0.3893	0.4226	0.4099	0.4128	Ave		0.4067				2.8		20.0			
Methoxymethane	+++++ 0.3646	0.4353 0.3990	0.4113	0.3923	0.4004	Ave		0.4005				5.8		20.0			
Acetonitrile	+++++ 0.0132	0.0098 0.0141	0.0143	0.0169	0.0129	Ave		0.0135				17.0		20.0			
Vinyl acetate	0.5094 0.4062	0.3690 0.4598	0.3650	0.4153	0.4366	Ave		0.4230				12.1		20.0			
Ethyl acetate	0.2342 0.1685	0.1892 0.1873	0.1601	0.1663	0.1832	Ave		0.1841				13.5		20.0			
cis-1,4-Dichloro-2-butene	0.0866 0.1258	0.0985 0.1329	0.1051	0.1160	0.1257	Ave		0.1129				14.9		20.0			
Cyclohexanone	0.5826 0.4074	0.5254 +++++	0.5282	0.6029	0.4939	Ave		0.5234				13.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 01:00 Calibration End Date: 03/21/2023 03:01 Calibration ID: 48555

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-355532/9	IM21X08.D
Level 2	IC 410-355532/8	IM21X07.D
Level 3	IC 410-355532/7	IM21X06.D
Level 4	IC 410-355532/6	IM21X05.D
Level 5	IC 410-355532/5	IM21X04.D
Level 6	IC 410-355532/4	IM21X03.D
Level 7	IC 410-355532/3	IM21X02.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	18534 914606	46724 2237937	96074	183543	461267	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methoxymethane	FB	Ave	+++++ 843351	49342 2294133	93510	175698	447384	+++++ 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	FB	Ave	+++++ 152742	5551 403958	16251	37788	72256	+++++ 50.0	2.50 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	23327 939675	41827 2643789	82985	185980	487822	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	10727 389753	21446 1076752	36387	74450	204738	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,4-Dichloro-2-butene	CBZd 5	Ave	6202 454039	17462 1224176	37673	82462	219255	0.400 20.0	1.00 50.0	2.00	4.00	10.0
Cyclohexanone	TBAd 10	Ave	11958 487475	27681 +++++	61006	138047	248553	10.00 500	25.0 +++++	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 01:00 Calibration End Date: 03/21/2023 03:01 Calibration ID: 48555

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-355532/9	IM21X08.D
Level 2	IC 410-355532/8	IM21X07.D
Level 3	IC 410-355532/7	IM21X06.D
Level 4	IC 410-355532/6	IM21X05.D
Level 5	IC 410-355532/5	IM21X04.D
Level 6	IC 410-355532/4	IM21X03.D
Level 7	IC 410-355532/3	IM21X02.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	-0.5 -4.3	1.3	3.9	0.8	1.5	-2.8	50 30	30	30	30	30	30
Methoxymethane	+++++ -0.4	8.7	2.7	-2.0	0.0	-9.0	30	50	30	30	30	30
Acetonitrile	+++++ 3.9	-27.6	5.7	24.8	-4.4	-2.4	30	50	30	30	30	30
Vinyl acetate	20.4 8.7	-12.8	-13.7	-1.8	3.2	-4.0	50 30	30	30	30	30	30
Ethyl acetate	27.2 1.7	2.8	-13.1	-9.7	-0.5	-8.5	50 30	30	30	30	30	30
cis-1,4-Dichloro-2-butene	-23.3 17.7	-12.8	-6.9	2.7	11.3	11.4	50 30	30	30	30	30	30
Cyclohexanone	11.3 +++++	0.4	0.9	15.2	-5.6	-22.2	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X02.D
Lims ID: IC std7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 21-Mar-2023 01:00:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079468-003
Operator ID: mec29284 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub44

Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 21-Mar-2023 17:37:14 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 16:41:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.916	1.910	0.006	97	2237937	25.0	23.9	M
3 Dimethyl ether	45	1.989	1.983	0.006	99	2294133	25.0	24.9	M
21 Acetonitrile	41	3.842	3.910	-0.068	97	403958	125.0	129.9	M
* 26 t-Butyl alcohol-d10 (IS)	65	4.111	4.166	-0.055	79	143275	50.0	50.0	
33 Vinyl acetate	43	5.135	5.141	-0.006	98	2643789	25.0	27.2	
42 Ethyl acetate	43	6.019	6.025	-0.006	99	1076752	25.0	25.4	
59 Isopropyl acetate	43	7.250	7.250	0.000	98	2397587	25.0	25.7	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2299711	10.0	10.0	
70 n-Propyl acetate	43	8.543	8.549	-0.006	99	1764904	25.0	27.1	
73 2-Chloroethyl vinyl ether	63		9.152				ND	ND	U
104 n-Butyl acetate	43	10.475	10.475	0.000	97	2158096	25.0	26.2	
* 107 Chlorobenzene-d5 (IS)	117	11.060	11.061	-0.001	86	1841869	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.963	11.969	-0.006	30	1224176	50.0	58.8	
119 Cyclohexanone	55	11.999	12.000	-0.001	93	838356	1250.0	559.0	M
* 135 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	94	1113334	10.0	10.0	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000				ND	ND	
162 Chlorotrifluoroethene	1		0.000				ND	ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND
Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

MSV_CCV_V5ACE_00022	Amount Added:	2.50	Units: uL
MSV_DME_00045	Amount Added:	2.50	Units: uL
MSV_CCV_CYC_00005	Amount Added:	20.00	Units: uL
MSV_LLcentISO_00005	Amount Added:	5.00	Units: uL
MSV_V_SMRV4_00054	Amount Added:	12.50	Units: uL

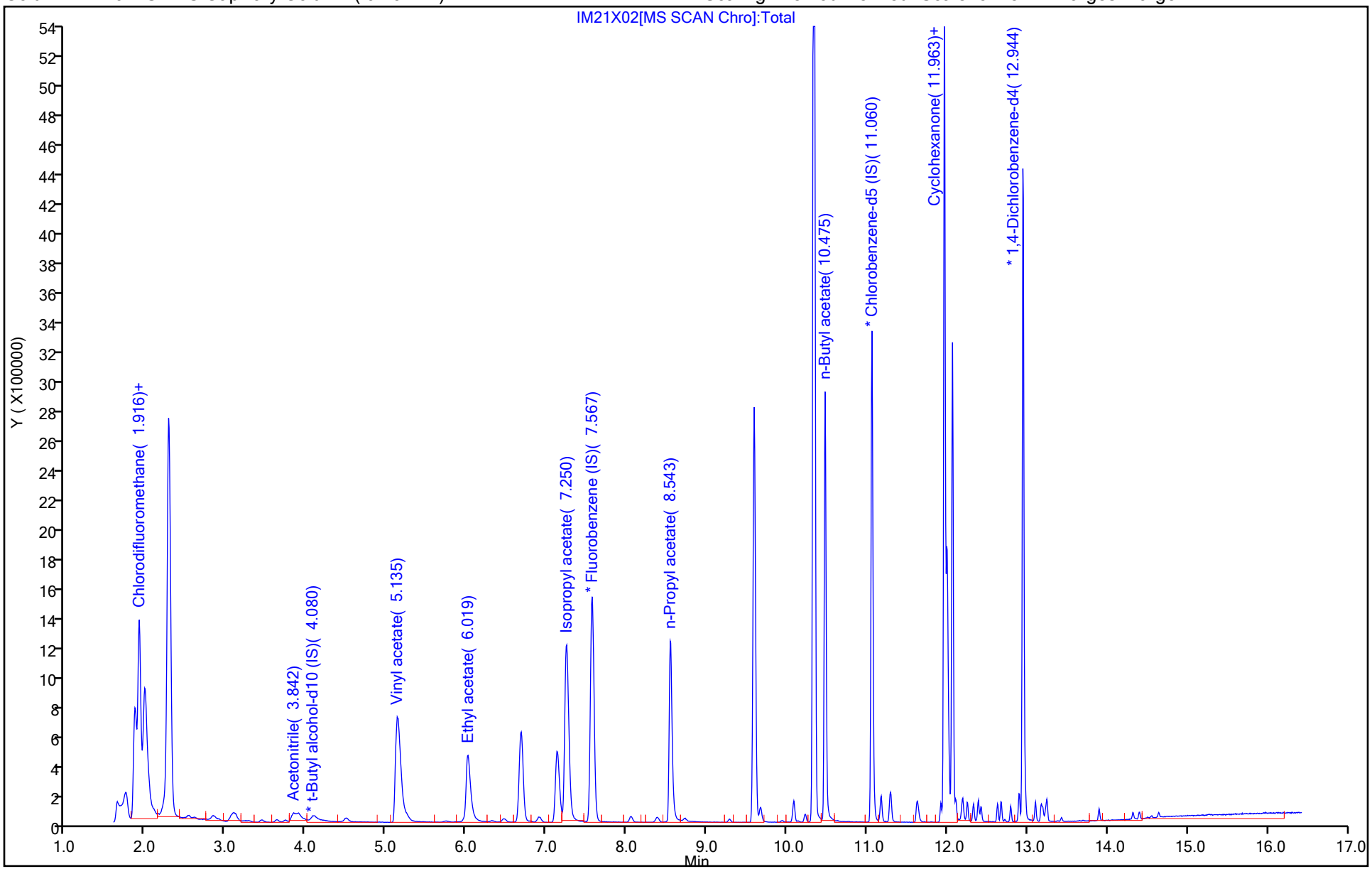
Report Date: 21-Mar-2023 17:37:15 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X02.D

Injection Date:	21-Mar-2023 01:00:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	IC std7			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

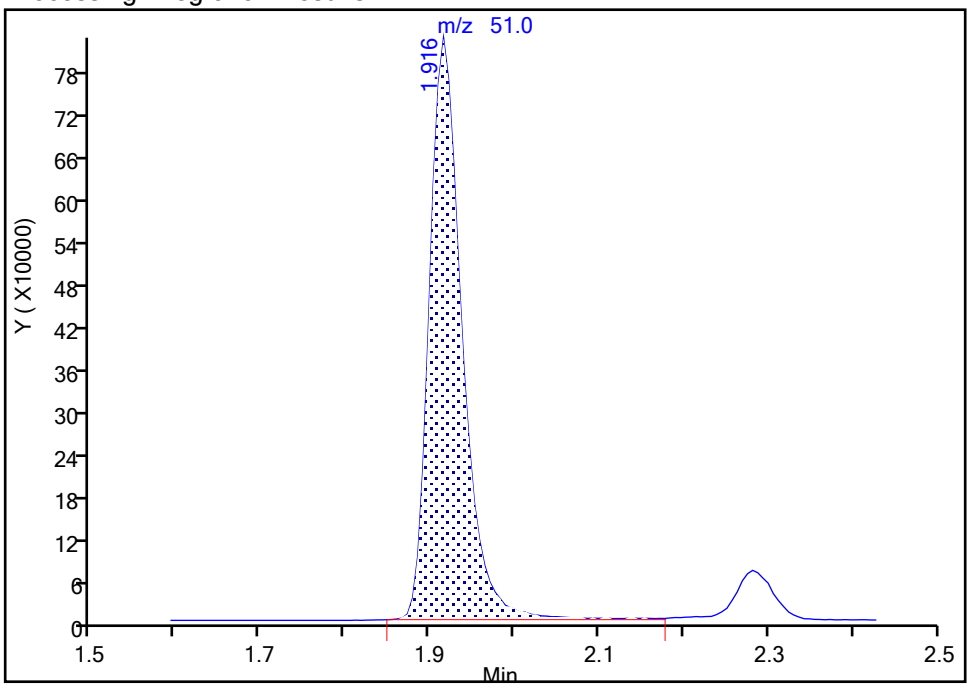
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X02.D
Injection Date: 21-Mar-2023 01:00:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: mec29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

2 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

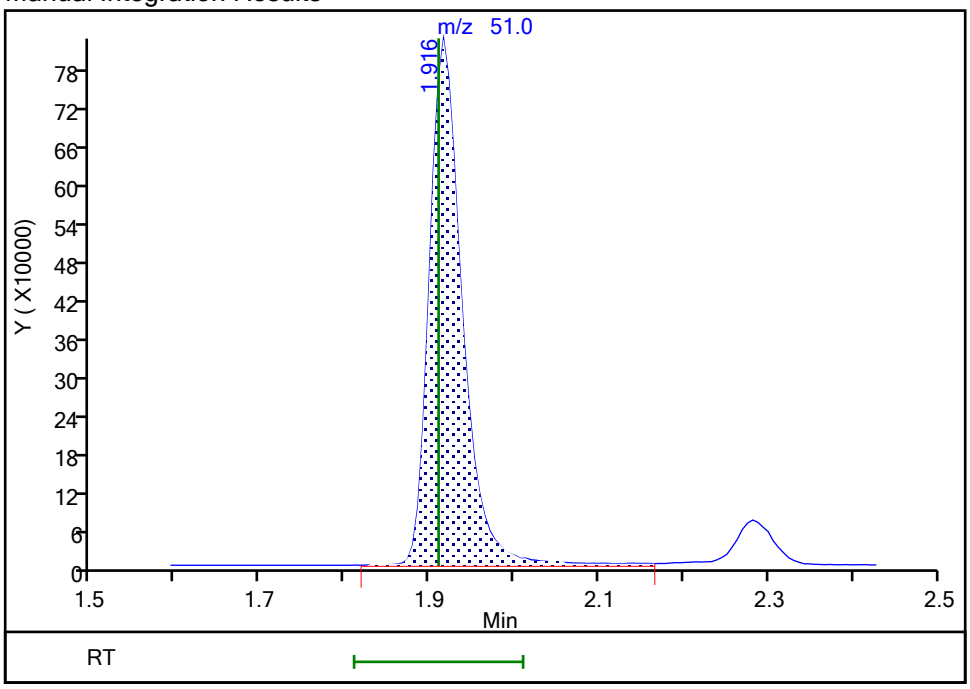
Processing Integration Results

RT: 1.92
Area: 2221334
Amount: 23.846107
Amount Units: ug/l



Manual Integration Results

RT: 1.92
Area: 2237937
Amount: 23.928303
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:39:40
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

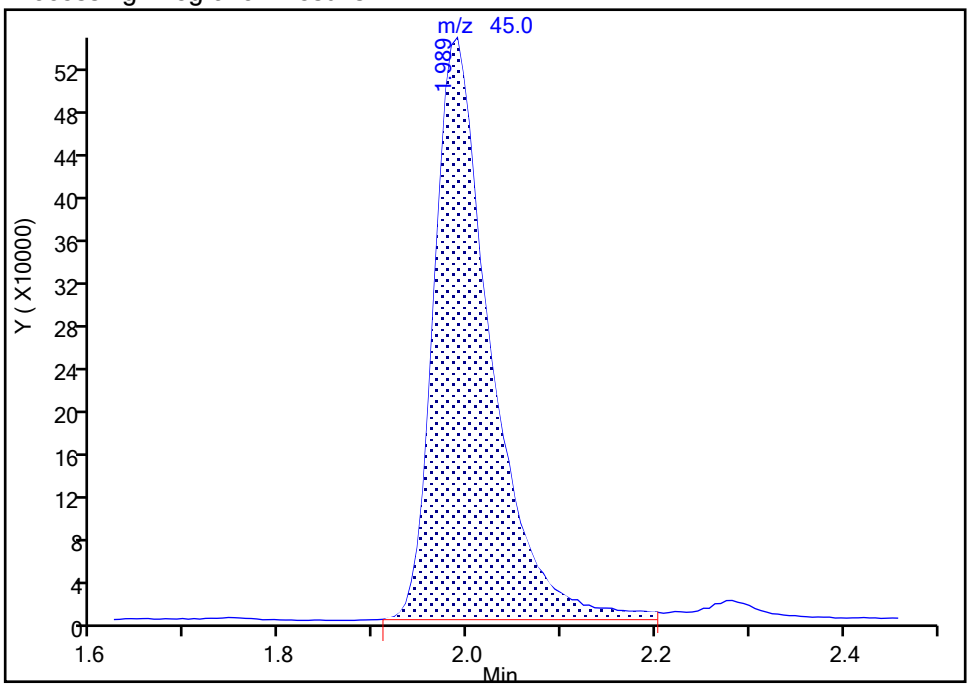
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X02.D				
Injection Date:	21-Mar-2023 01:00:30	Instrument ID:	19930		
Lims ID:	IC std7				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

3 Dimethyl ether, CAS: 115-10-6

Signal: 1

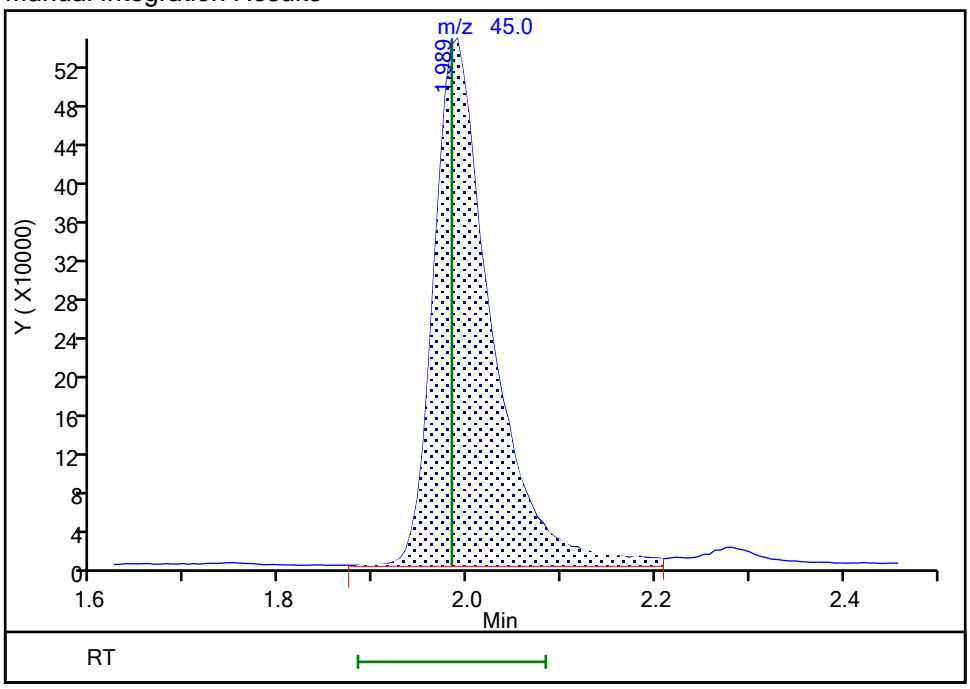
Processing Integration Results

RT: 1.99
Area: 2282933
Amount: 27.132324
Amount Units: ug/l



Manual Integration Results

RT: 1.99
Area: 2294133
Amount: 24.908664
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:39:57
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

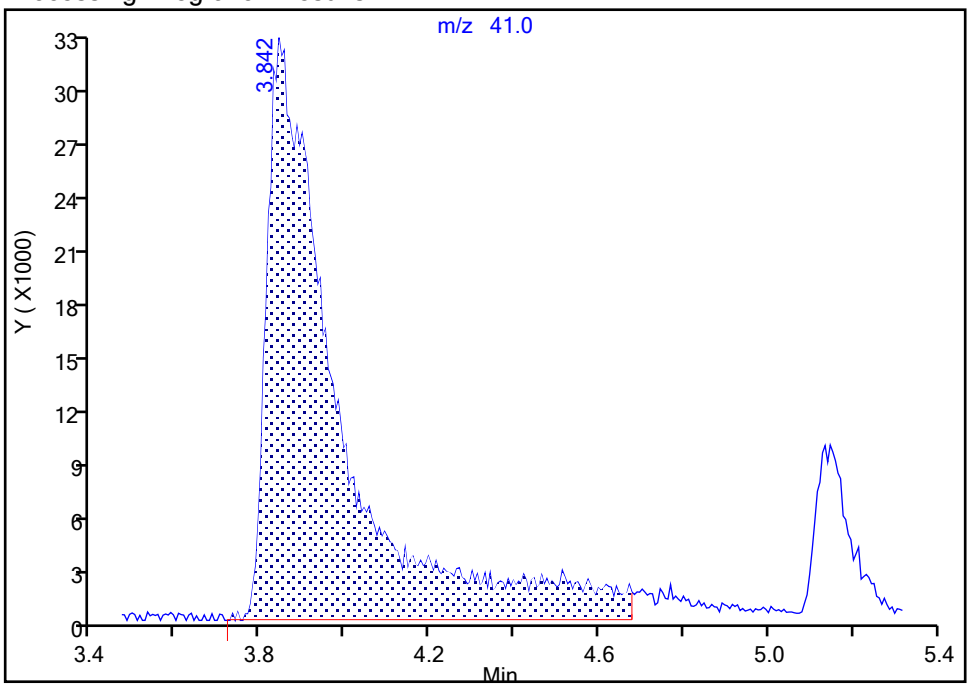
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X02.D				
Injection Date:	21-Mar-2023 01:00:30	Instrument ID:	19930		
Lims ID:	IC std7				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

21 Acetonitrile, CAS: 75-05-8

Signal: 1

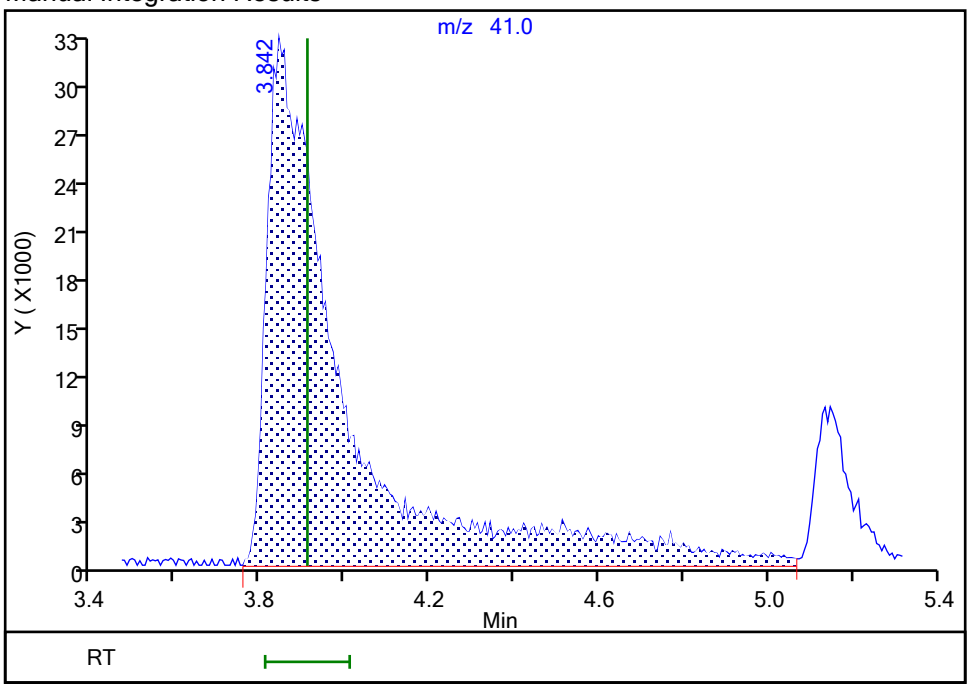
Processing Integration Results

RT: 3.84
Area: 382856
Amount: 130.1549
Amount Units: ug/l



Manual Integration Results

RT: 3.84
Area: 403958
Amount: 129.8598
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:40:20

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

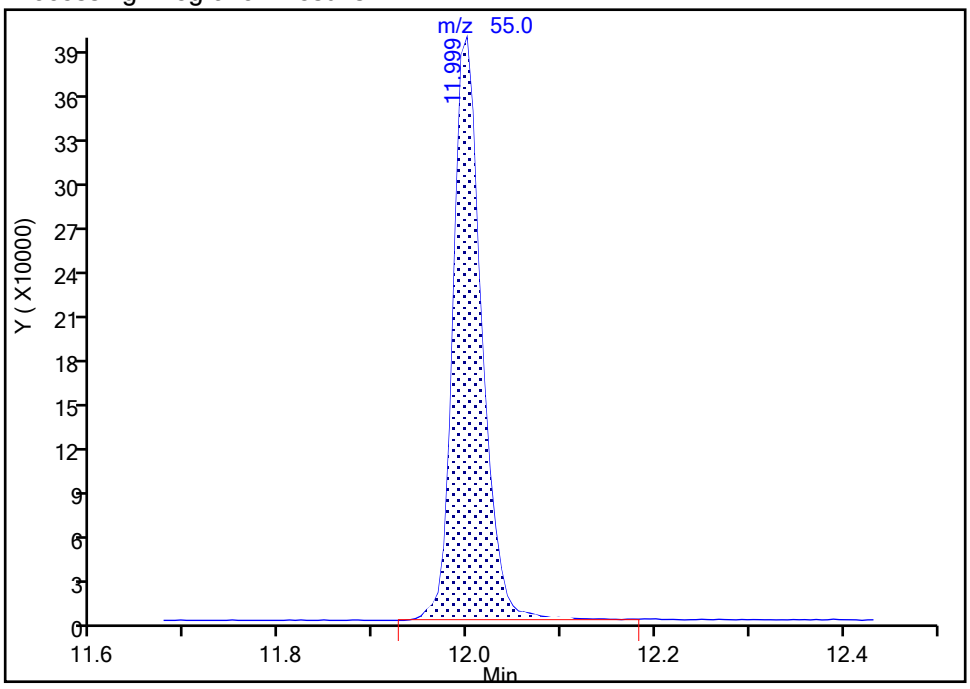
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X02.D
Injection Date: 21-Mar-2023 01:00:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: mec29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

119 Cyclohexanone, CAS: 108-94-1

Signal: 1

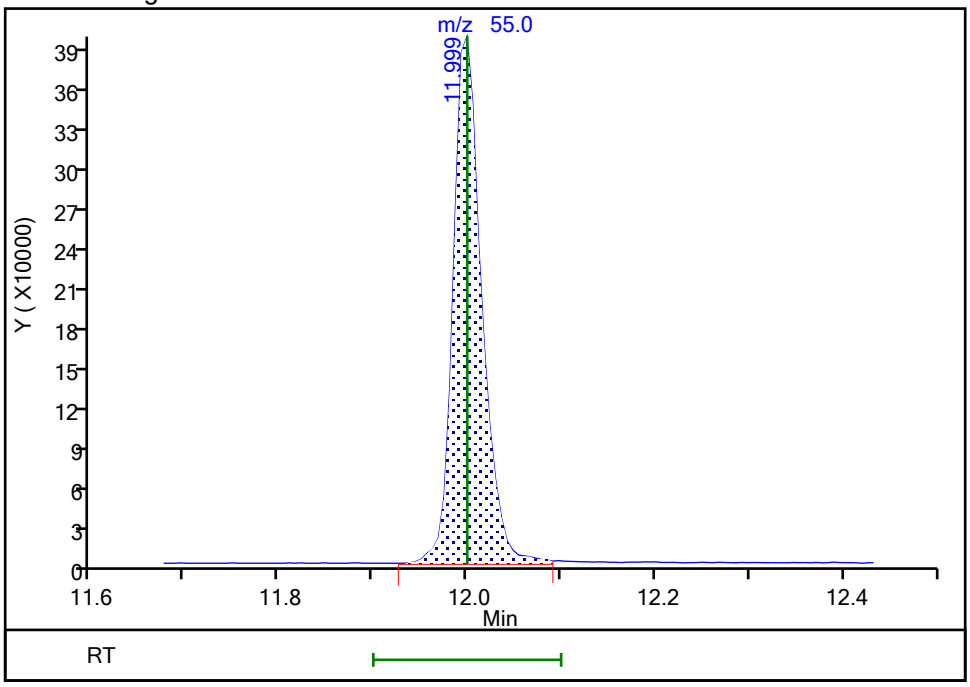
Processing Integration Results

RT: 12.00
Area: 844165
Amount: 998.1027
Amount Units: ug/l



Manual Integration Results

RT: 12.00
Area: 838356
Amount: 558.9877
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:56:08
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\19930\20230321-79468.b\IM21X03.D
Lims ID: IC std6 SM
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 21-Mar-2023 01:20:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079468-004
Operator ID: mec29284 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub44

Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 21-Mar-2023 17:37:17 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: DVW2 Date: 21-Mar-2023 10:24:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.910	1.910	0.000	97	914606	10.0	9.72	
3 Dimethyl ether	45	1.983	1.983	0.000	99	843351	10.0	9.10	M
21 Acetonitrile	41	3.910	3.910	0.000	78	152742	50.0	48.8	M
* 26 t-Butyl alcohol-d10 (IS)	65	4.166	4.166	0.000	44	119667	50.0	50.0	
33 Vinyl acetate	43	5.141	5.141	0.000	98	939675	10.0	9.60	
42 Ethyl acetate	43	6.025	6.025	0.000	100	389753	10.0	9.15	
59 Isopropyl acetate	43	7.250	7.250	0.000	98	861596	10.0	9.16	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2313272	10.0	10.0	
70 n-Propyl acetate	43	8.549	8.549	0.000	99	633121	10.0	9.65	
73 2-Chloroethyl vinyl ether	63		9.152				ND	ND	
104 n-Butyl acetate	43	10.475	10.475	0.000	97	779010	10.0	9.65	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1804556	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.969	11.969	0.000	30	454039	20.0	22.3	a
119 Cyclohexanone	55	12.000	12.000	0.000	93	487475	500.0	389.2	M
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1107165	10.0	10.0	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000				ND	ND	
162 Chlorotrifluoroethene	1		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_CCV_V5ACE_00022	Amount Added:	1.00	Units: uL
MSV_DME_00045	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added:	8.00	Units: uL
MSV_LLcentISO_00005	Amount Added:	5.00	Units: uL
MSV_V_SMRV4_00054	Amount Added:	5.00	Units: uL

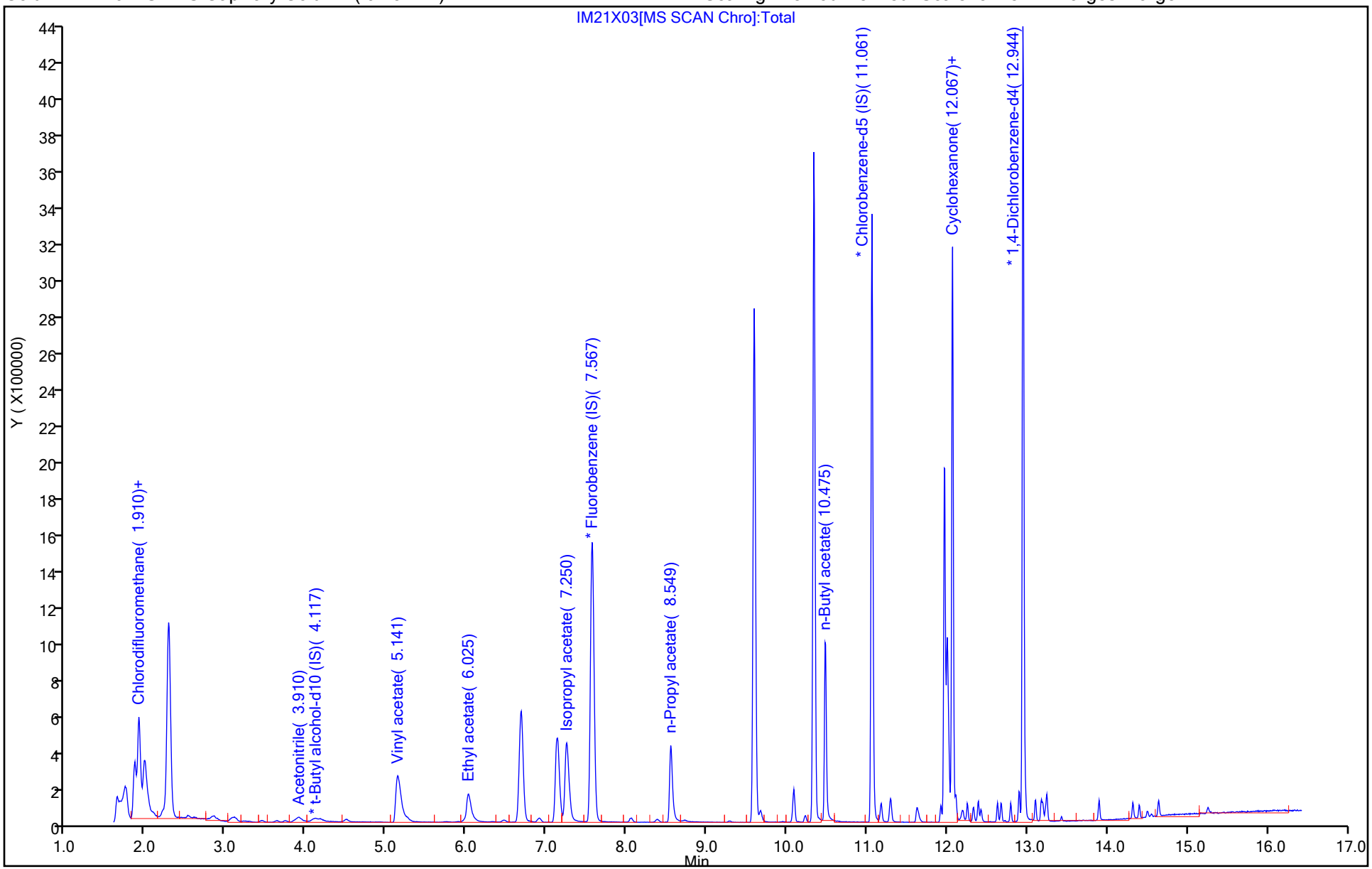
Report Date: 21-Mar-2023 17:37:18 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X03.D

Injection Date:	21-Mar-2023 01:20:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	IC std6 SM			Worklist Smp#:	4
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

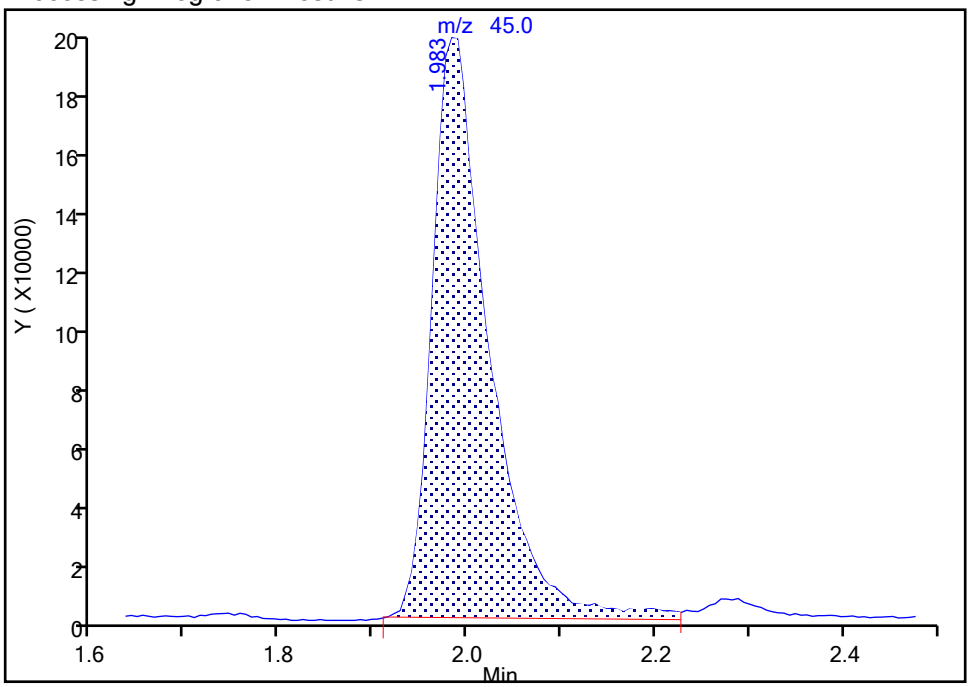
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X03.D				
Injection Date:	21-Mar-2023 01:20:30	Instrument ID:	19930		
Lims ID:	IC std6 SM				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

3 Dimethyl ether, CAS: 115-10-6

Signal: 1

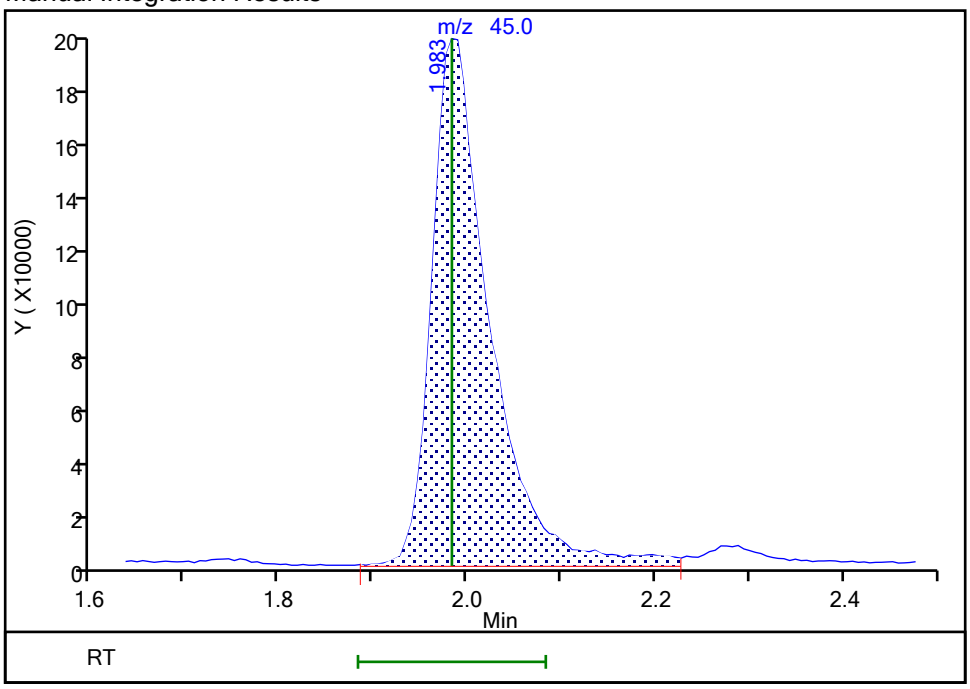
Processing Integration Results

RT: 1.98
Area: 835703
Amount: 9.768190
Amount Units: ug/l



Manual Integration Results

RT: 1.98
Area: 843351
Amount: 9.103047
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:42:22
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

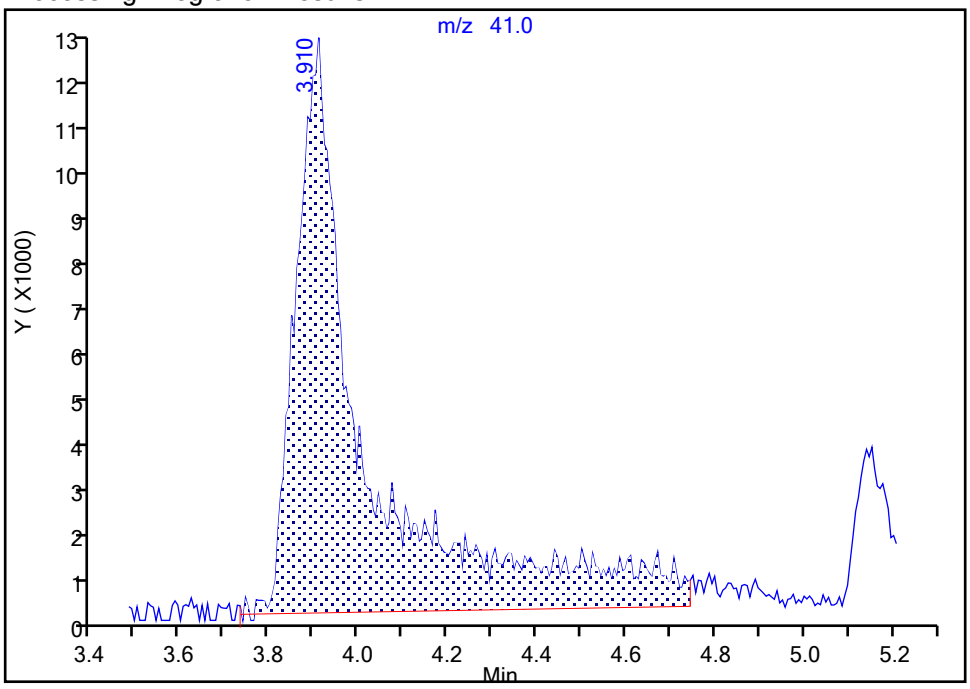
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X03.D
Injection Date: 21-Mar-2023 01:20:30 Instrument ID: 19930
Lims ID: IC std6 SM
Client ID:
Operator ID: mec29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

21 Acetonitrile, CAS: 75-05-8

Signal: 1

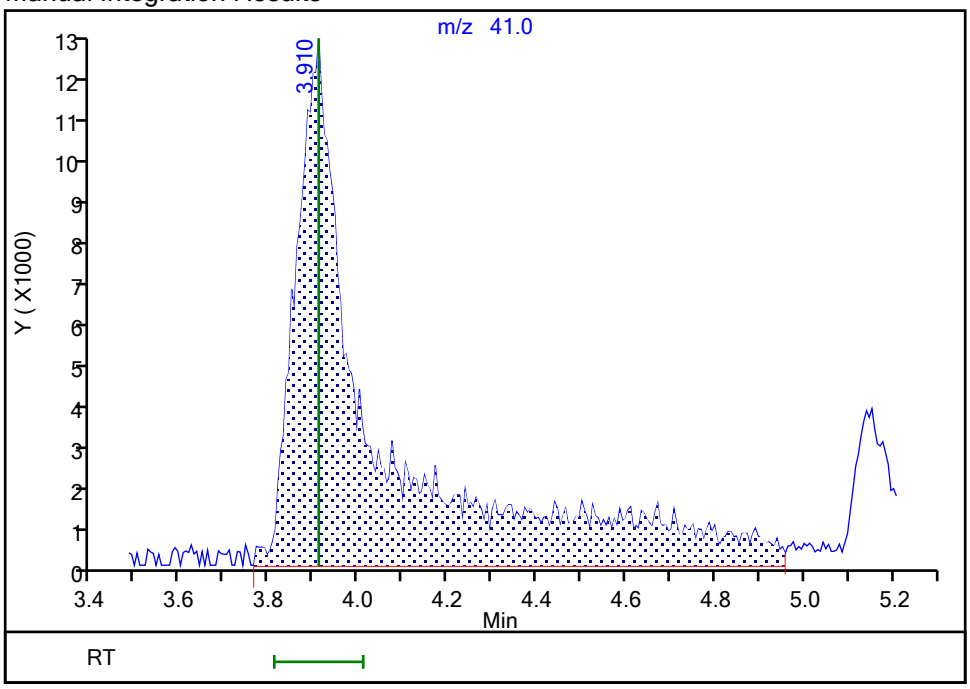
Processing Integration Results

RT: 3.91
Area: 131939
Amount: 44.228141
Amount Units: ug/l



Manual Integration Results

RT: 3.91
Area: 152742
Amount: 48.813902
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:42:42
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

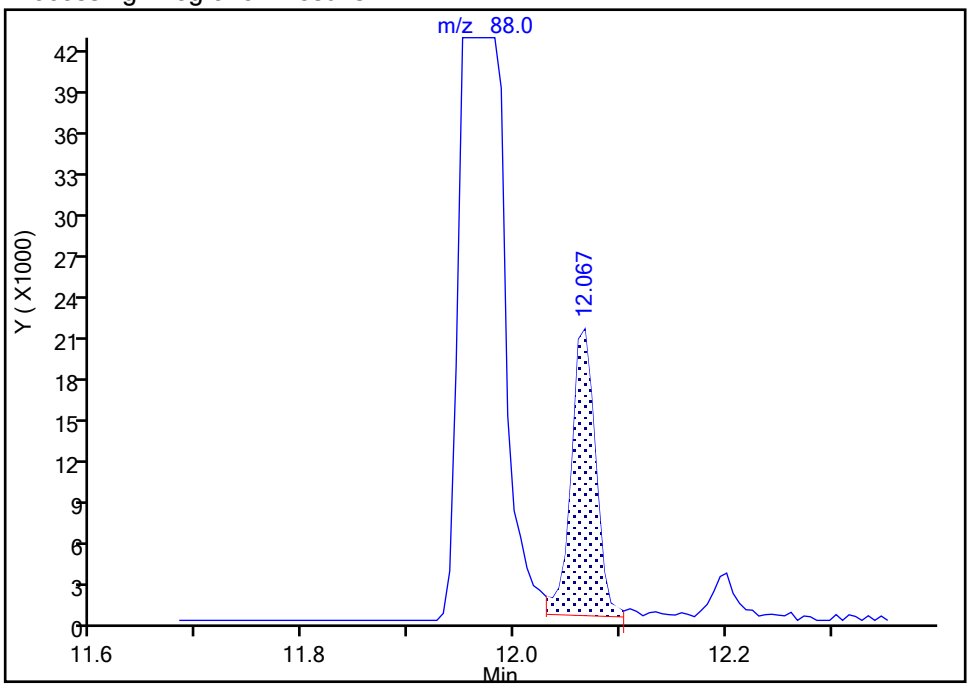
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X03.D				
Injection Date:	21-Mar-2023 01:20:30	Instrument ID:	19930		
Lims ID:	IC std6 SM				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

118 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

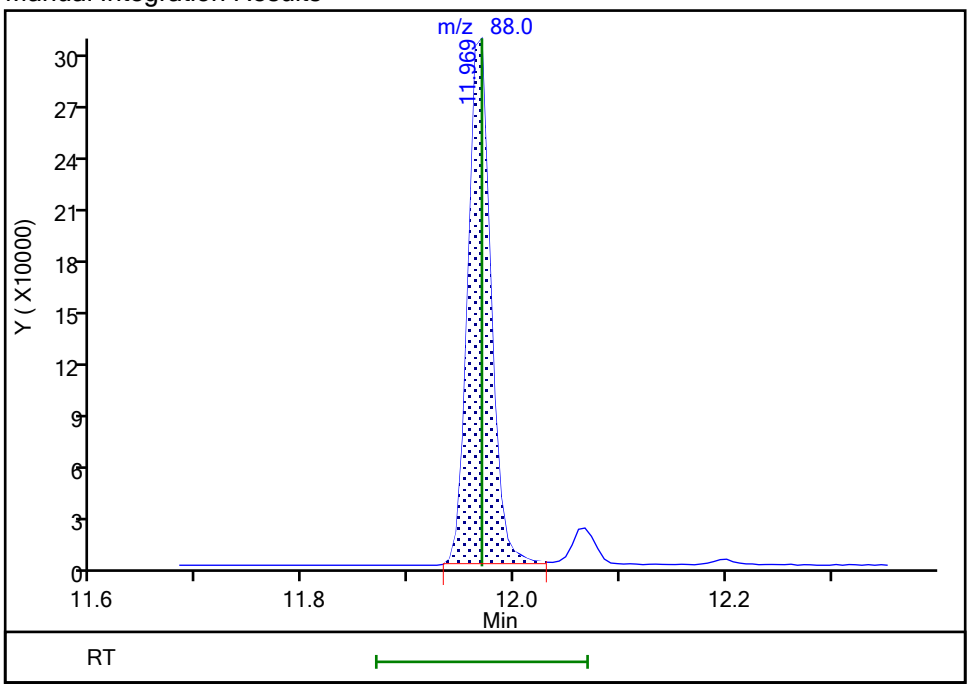
Processing Integration Results

RT: 12.07
Area: 33596
Amount: 1.643327
Amount Units: ug/l



Manual Integration Results

RT: 11.97
Area: 454039
Amount: 22.277303
Amount Units: ug/l



Reviewer: DVW2, 21-Mar-2023 10:23:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

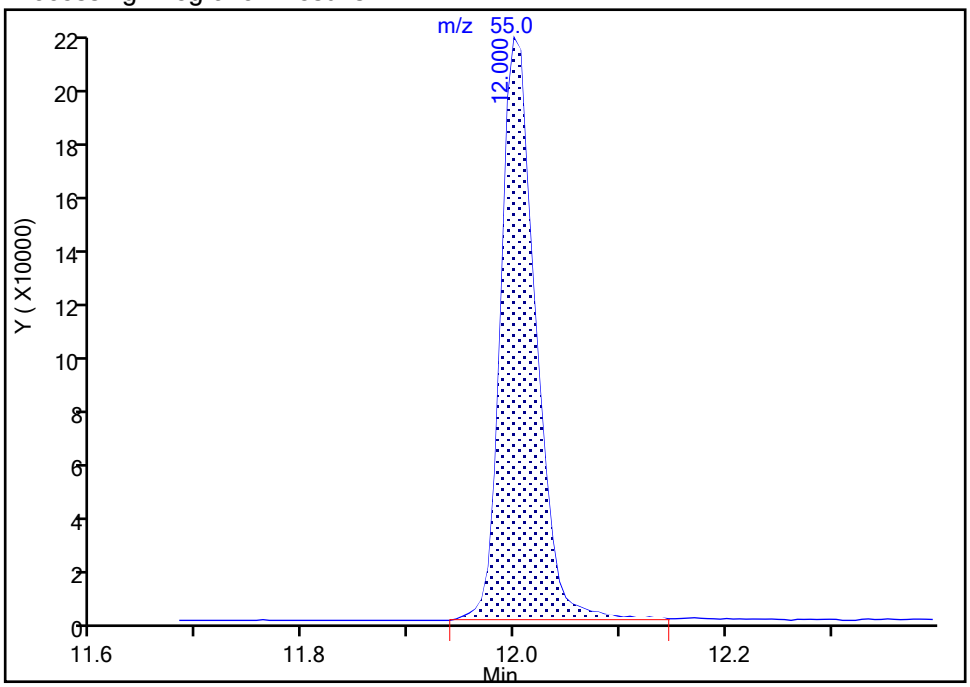
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X03.D
Injection Date: 21-Mar-2023 01:20:30 Instrument ID: 19930
Lims ID: IC std6 SM
Client ID:
Operator ID: mec29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

119 Cyclohexanone, CAS: 108-94-1

Signal: 1

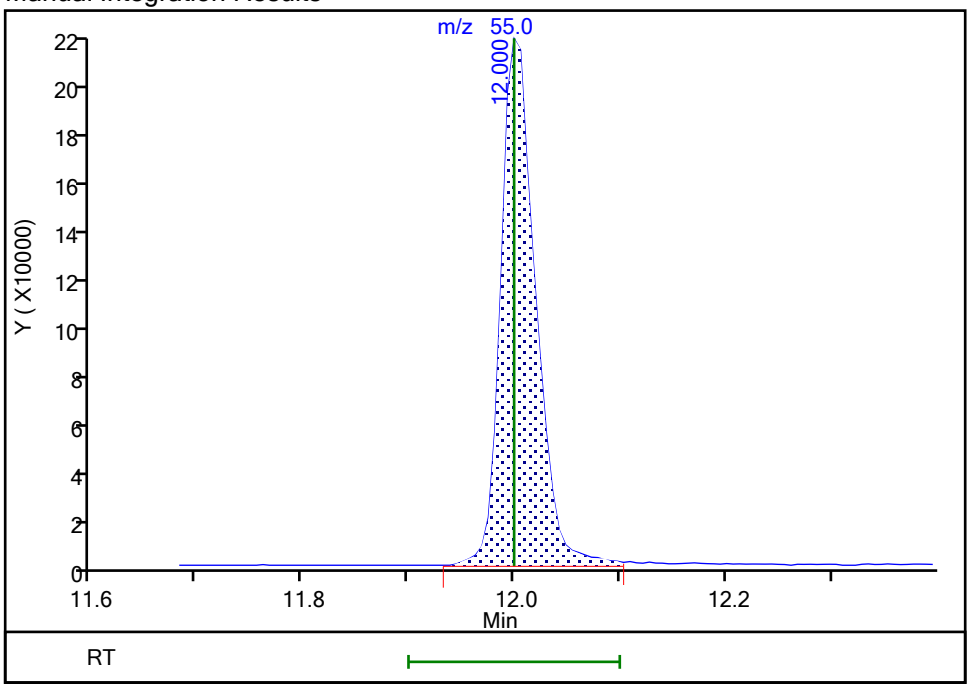
Processing Integration Results

RT: 12.00
Area: 489973
Amount: 397.3091
Amount Units: ug/l



Manual Integration Results

RT: 12.00
Area: 487475
Amount: 389.1546
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:55:54
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\19930\20230321-79468.b\IM21X04.D
Lims ID: IC std5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Mar-2023 01:40:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079468-005
Operator ID: mec29284 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub44

Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 21-Mar-2023 17:37:19 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 16:44:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.904	1.910	-0.006	97	461267	5.00	5.08	
3 Dimethyl ether	45	1.983	1.983	0.000	99	447384	5.00	5.00	
21 Acetonitrile	41	3.904	3.910	-0.006	18	72256	25.0	23.9	M
* 26 t-Butyl alcohol-d10 (IS)	65	4.129	4.166	-0.037	22	100647	50.0	50.0	
33 Vinyl acetate	43	5.141	5.141	0.000	98	487822	5.00	5.16	M
42 Ethyl acetate	43	6.025	6.025	0.000	100	204738	5.00	4.98	
59 Isopropyl acetate	43	7.250	7.250	0.000	98	456393	5.00	5.03	
* 61 Fluorobenzene (IS)	96	7.561	7.567	-0.006	99	2234583	10.0	10.0	
70 n-Propyl acetate	43	8.549	8.549	0.000	99	325156	5.00	5.13	
73 2-Chloroethyl vinyl ether	63		9.152				ND	ND	
104 n-Butyl acetate	43	10.482	10.475	0.007	97	410511	5.00	5.26	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1744532	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.969	11.969	0.000	30	219255	10.0	11.1	
119 Cyclohexanone	55	12.000	12.000	0.000	94	248553	250.0	235.9	M
* 135 1,4-Dichlorobenzene-d4	152	12.951	12.944	0.007	94	1075151	10.0	10.0	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000				ND	ND	
162 Chlorotrifluoroethene	1		0.000				ND	ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00022	Amount Added:	1.00	Units: uL
MSV_DME_00045	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added:	8.00	Units: uL
MSV_LLcentISO_00005	Amount Added:	5.00	Units: uL
MSV_V_SMRV4_00054	Amount Added:	5.00	Units: uL

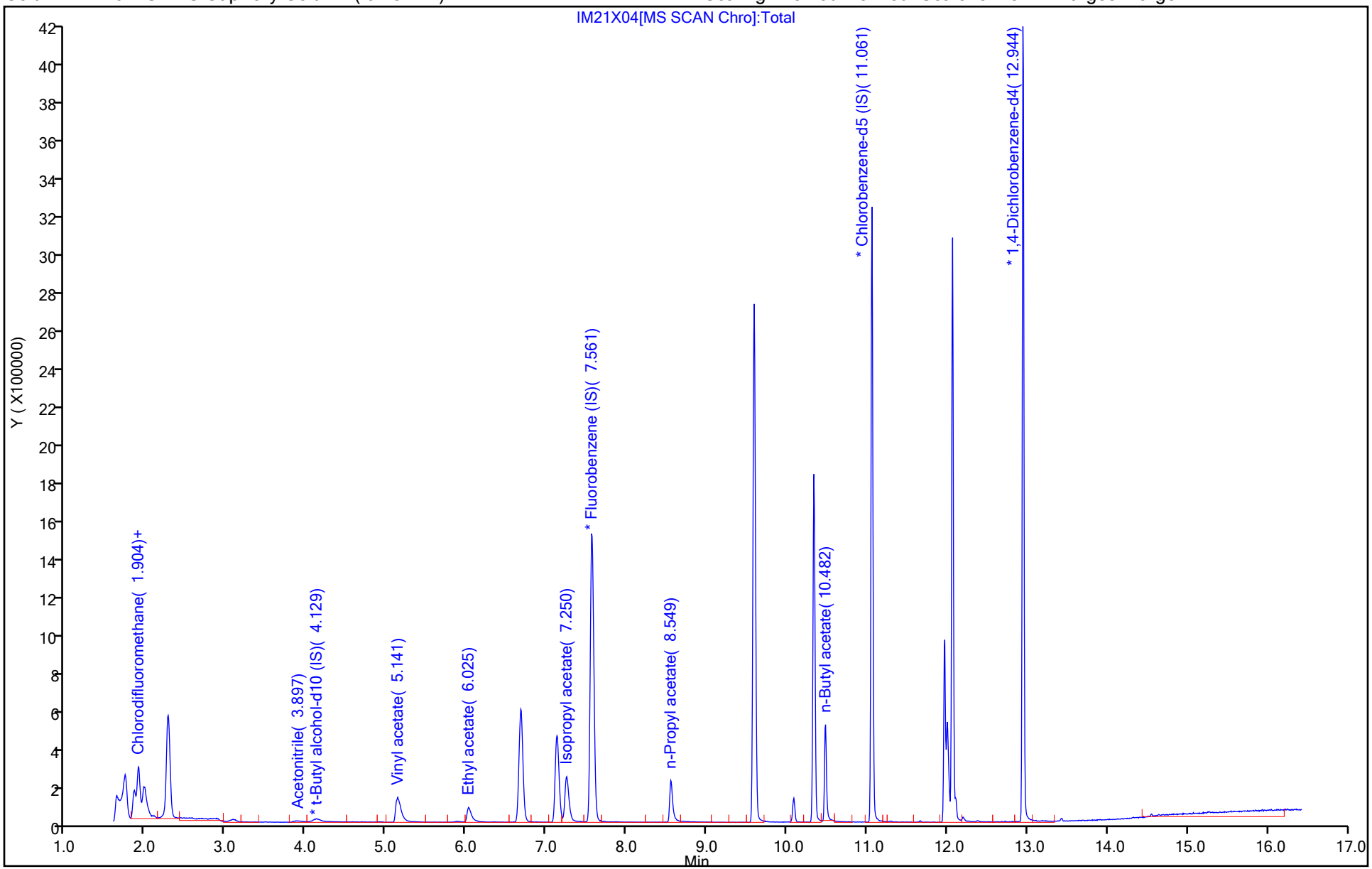
Report Date: 21-Mar-2023 17:37:20 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X04.D

Injection Date:	21-Mar-2023 01:40:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	IC std5			Worklist Smp#:	5
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

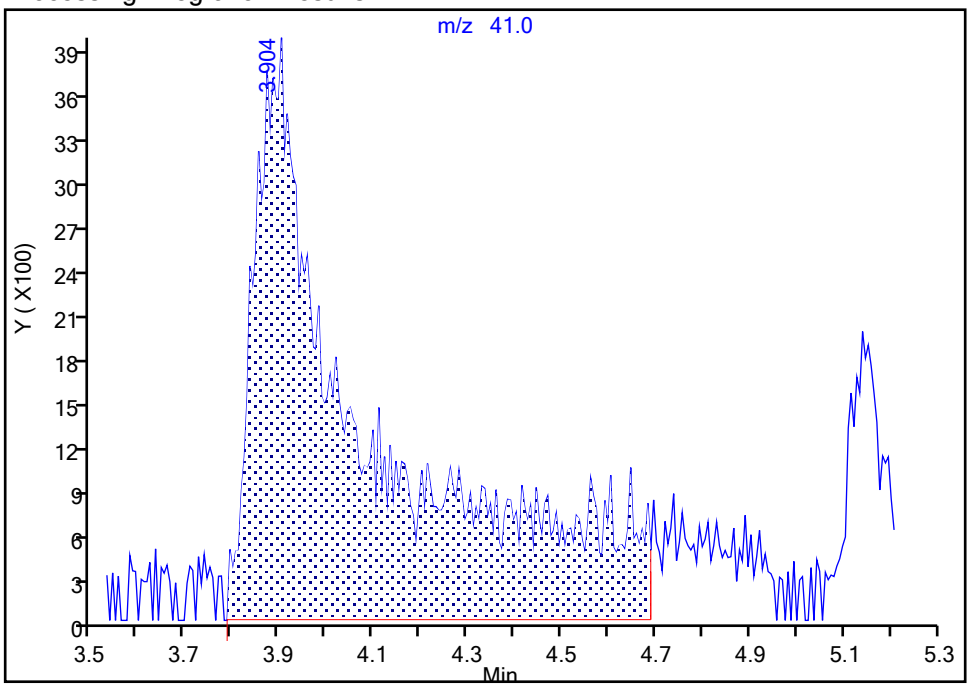
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X04.D				
Injection Date:	21-Mar-2023 01:40:30	Instrument ID:	19930		
Lims ID:	IC std5				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

21 Acetonitrile, CAS: 75-05-8

Signal: 1

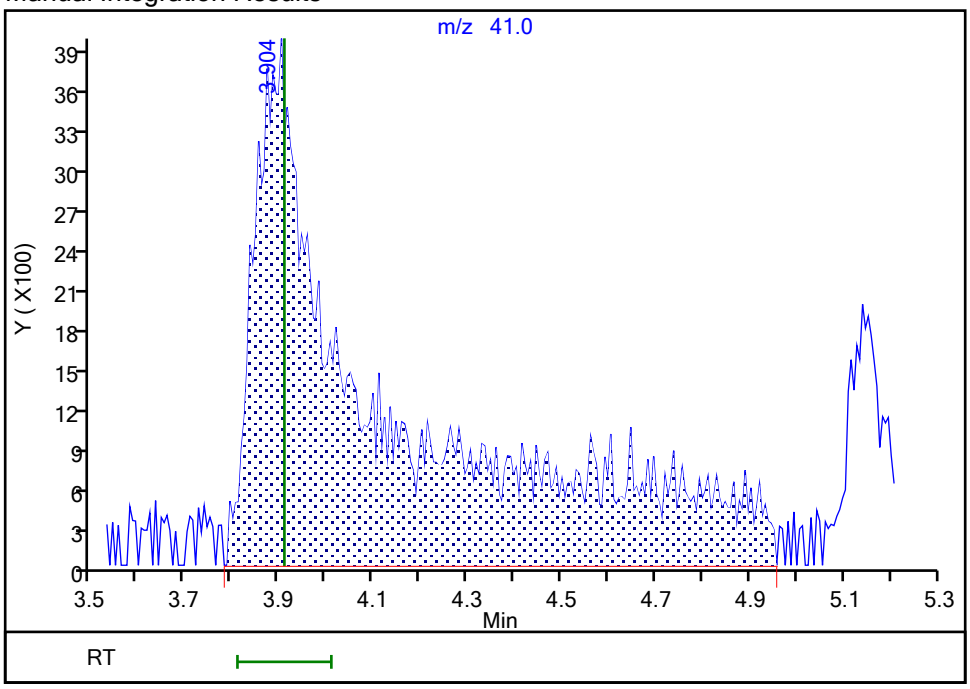
Processing Integration Results

RT: 3.90
Area: 64253
Amount: 21.861561
Amount Units: ug/l



Manual Integration Results

RT: 3.90
Area: 72256
Amount: 23.905024
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:43:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

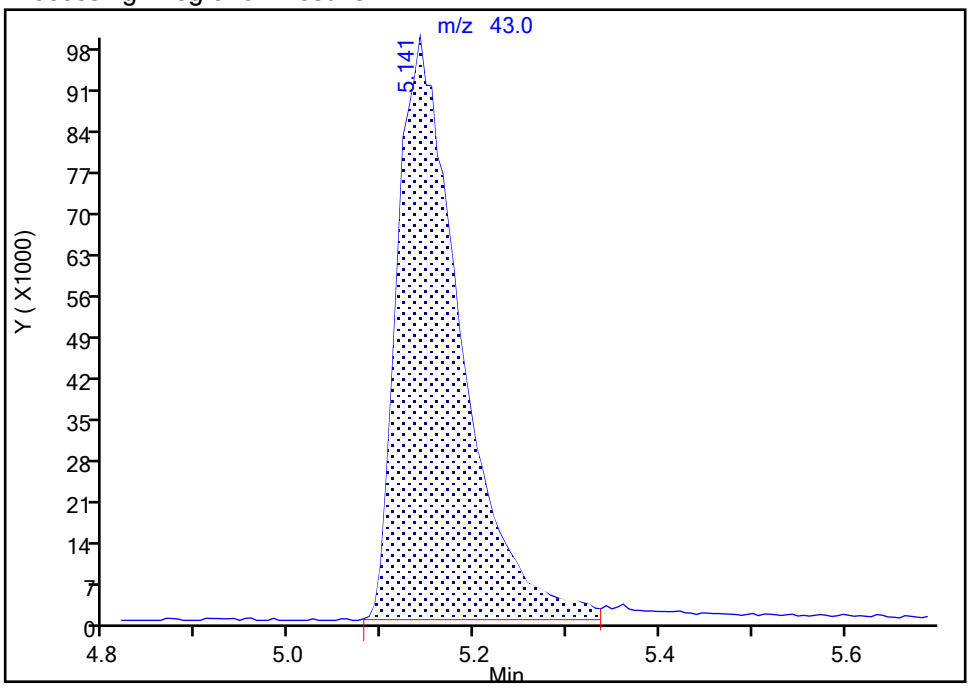
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X04.D
Injection Date: 21-Mar-2023 01:40:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

33 Vinyl acetate, CAS: 108-05-4

Signal: 1

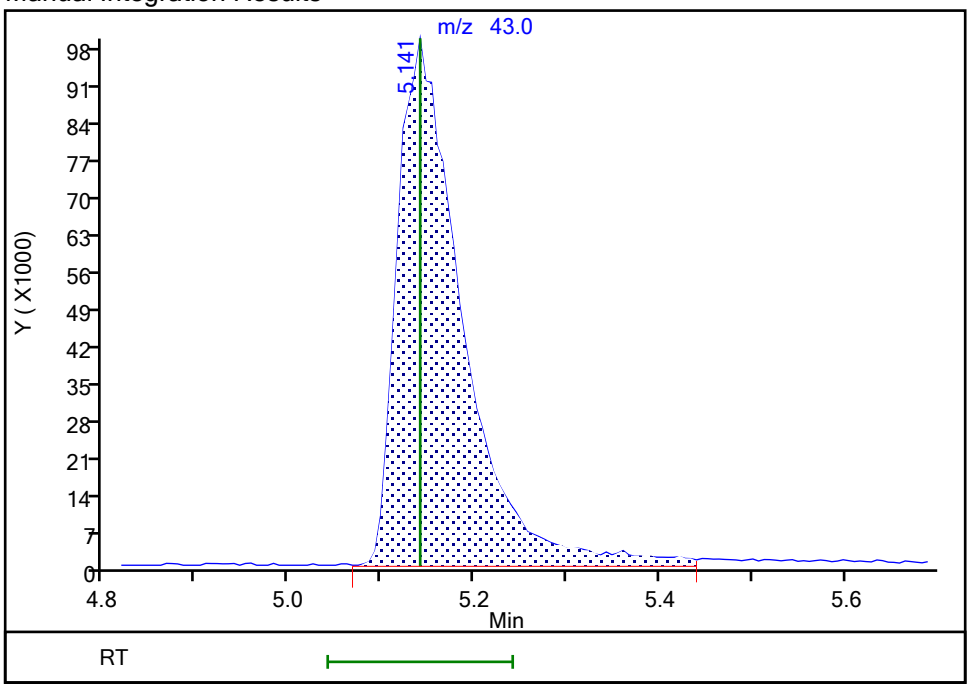
Processing Integration Results

RT: 5.14
Area: 473101
Amount: 5.227182
Amount Units: ug/l



Manual Integration Results

RT: 5.14
Area: 487822
Amount: 5.160281
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:44:02
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

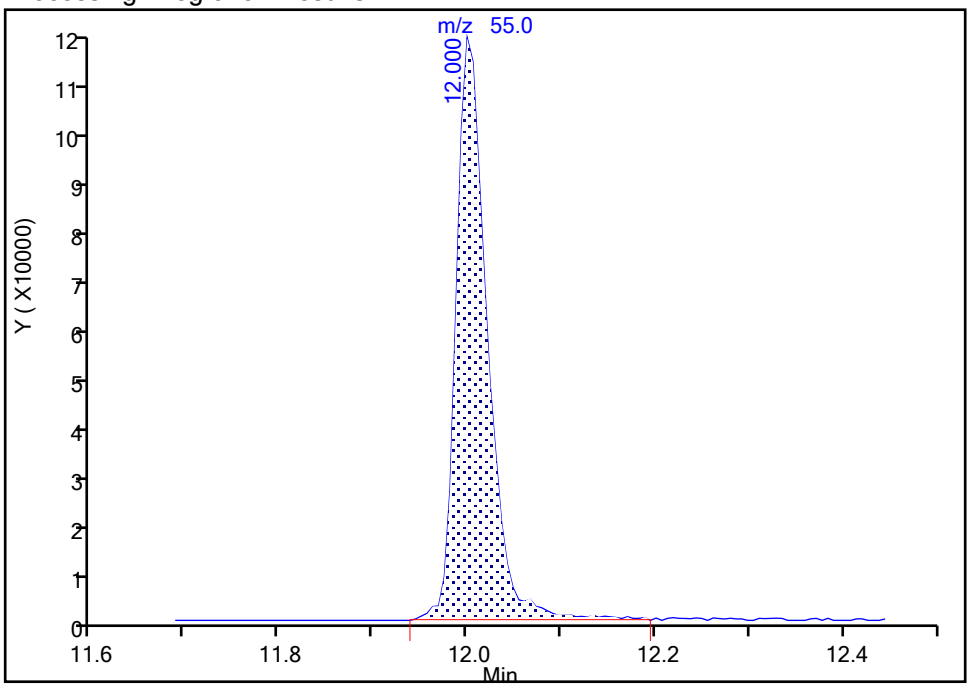
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X04.D
Injection Date: 21-Mar-2023 01:40:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

119 Cyclohexanone, CAS: 108-94-1

Signal: 1

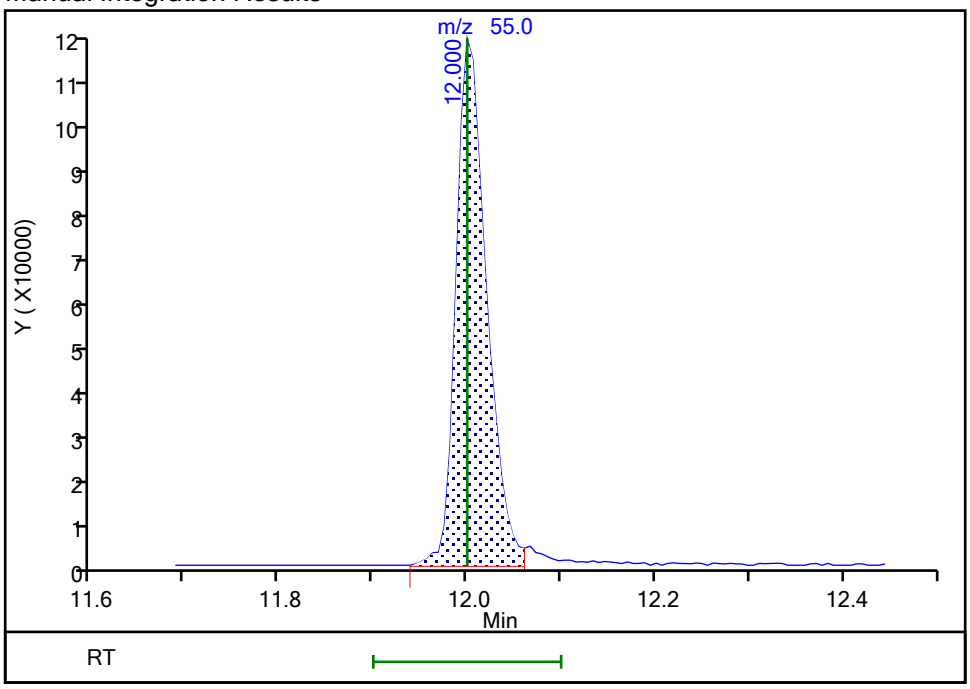
Processing Integration Results

RT: 12.00
Area: 257009
Amount: 263.2456
Amount Units: ug/l



Manual Integration Results

RT: 12.00
Area: 248553
Amount: 235.9187
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:55:41
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\19930\20230321-79468.b\IM21X05.D
Lims ID: IC std4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 21-Mar-2023 02:00:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079468-006
Operator ID: mec29284 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub44

Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 21-Mar-2023 17:37:21 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 16:46:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.910	1.910	0.000	97	183543	2.00	2.02	M
3 Dimethyl ether	45	1.977	1.983	-0.006	99	175698	2.00	1.96	M
21 Acetonitrile	41	3.915	3.910	0.005	20	37788	10.0	12.5	M
* 26 t-Butyl alcohol-d10 (IS)	65	4.129	4.166	-0.037	22	114495	50.0	50.0	
33 Vinyl acetate	43	5.153	5.141	0.012	98	185980	2.00	1.96	
42 Ethyl acetate	43	6.037	6.025	0.012	99	74450	2.00	1.81	
59 Isopropyl acetate	43	7.250	7.250	0.000	98	184960	2.00	2.03	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2239063	10.0	10.0	
70 n-Propyl acetate	43	8.561	8.549	0.012	99	133607	2.00	2.10	
73 2-Chloroethyl vinyl ether	63		9.152				ND	ND	
104 n-Butyl acetate	43	10.481	10.475	0.006	97	157886	2.00	1.99	
* 107 Chlorobenzene-d5 (IS)	117	11.060	11.061	-0.001	86	1776972	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.969	11.969	0.000	30	82462	4.00	4.11	a
119 Cyclohexanone	55	12.005	12.000	0.005	91	138047	100.0	115.2	Ma
* 135 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	94	1088569	10.0	10.0	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000				ND	ND	
162 Chlorotrifluoroethene	1		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_CCV_V5ACE_00022	Amount Added:	1.00	Units: uL
MSV_DME_00045	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added:	8.00	Units: uL
MSV_LLcentISO_00005	Amount Added:	5.00	Units: uL
MSV_V_SMRV4_00054	Amount Added:	5.00	Units: uL

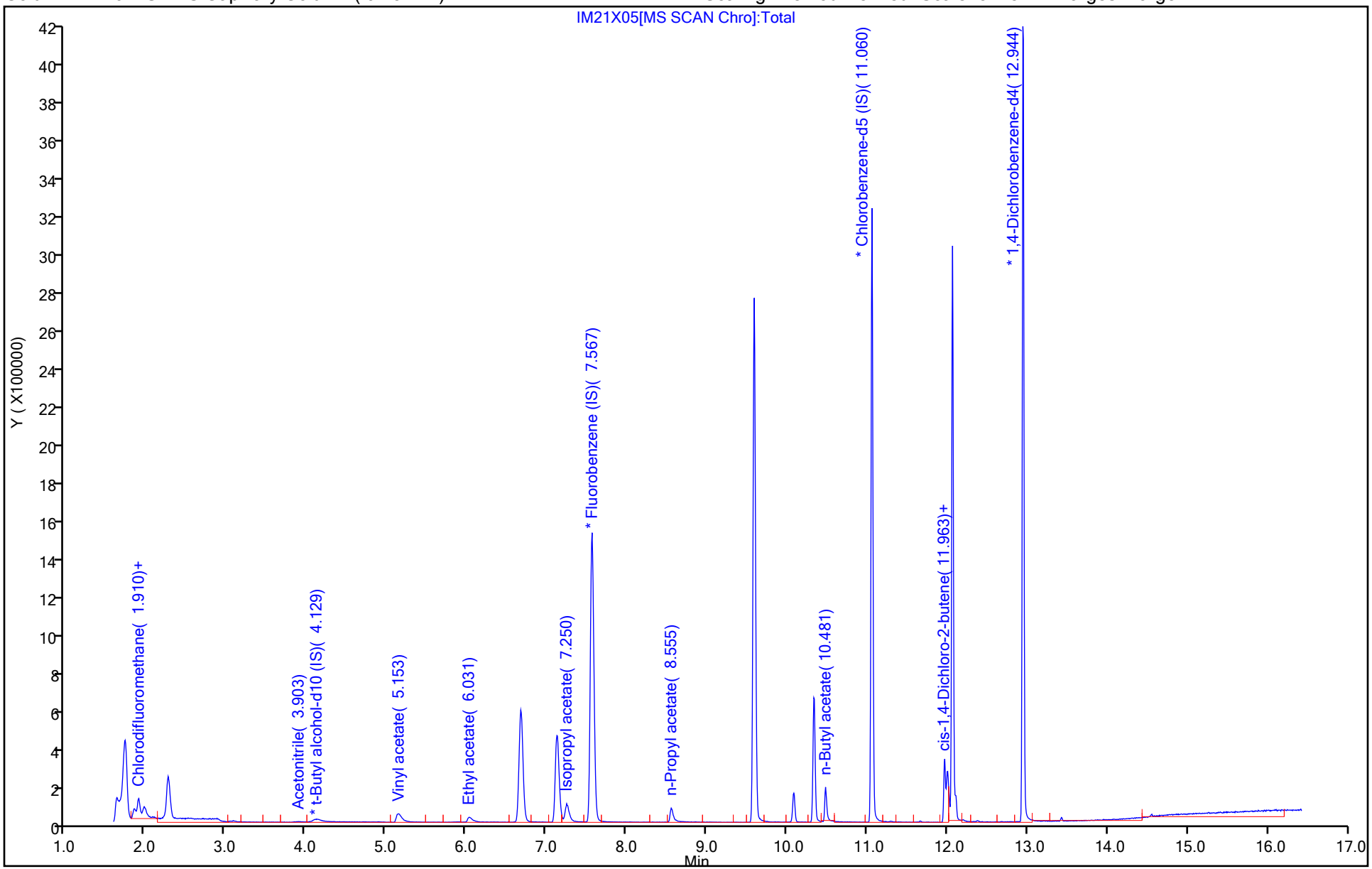
Report Date: 21-Mar-2023 17:37:22 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X05.D

Injection Date:	21-Mar-2023 02:00:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	IC std4			Worklist Smp#:	6
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

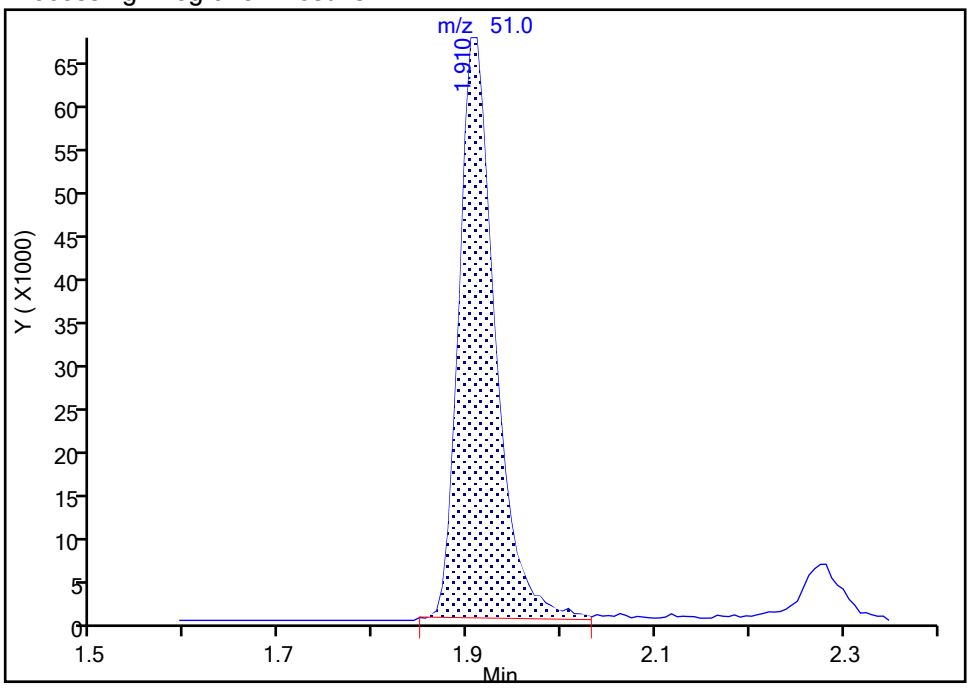
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X05.D
Injection Date: 21-Mar-2023 02:00:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: mec29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

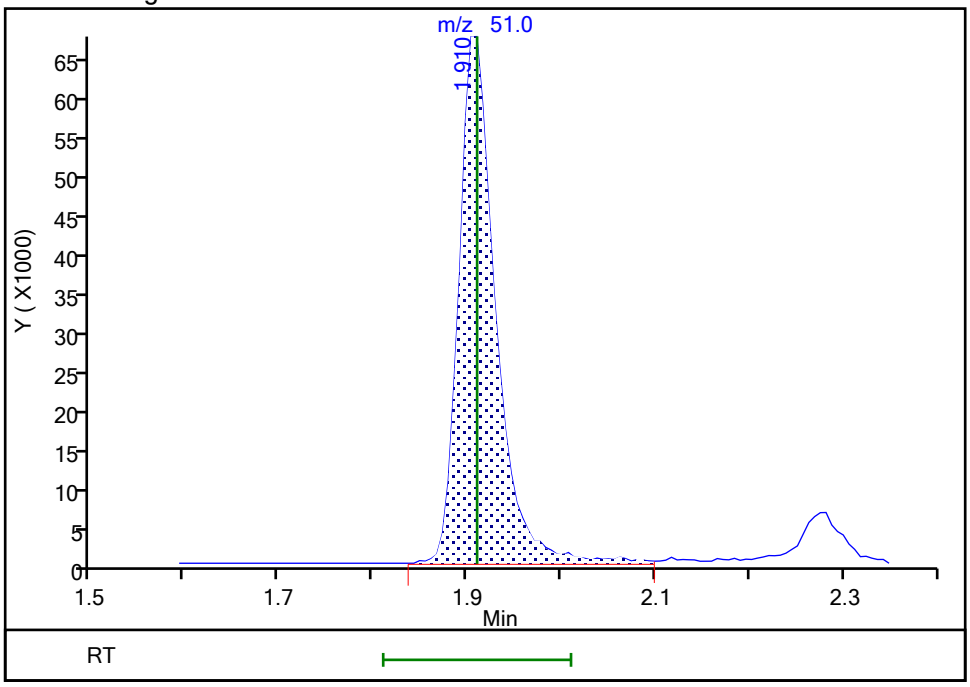
Processing Integration Results

RT: 1.91
Area: 179740
Amount: 1.979763
Amount Units: ug/l



Manual Integration Results

RT: 1.91
Area: 183543
Amount: 2.015621
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:44:58
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

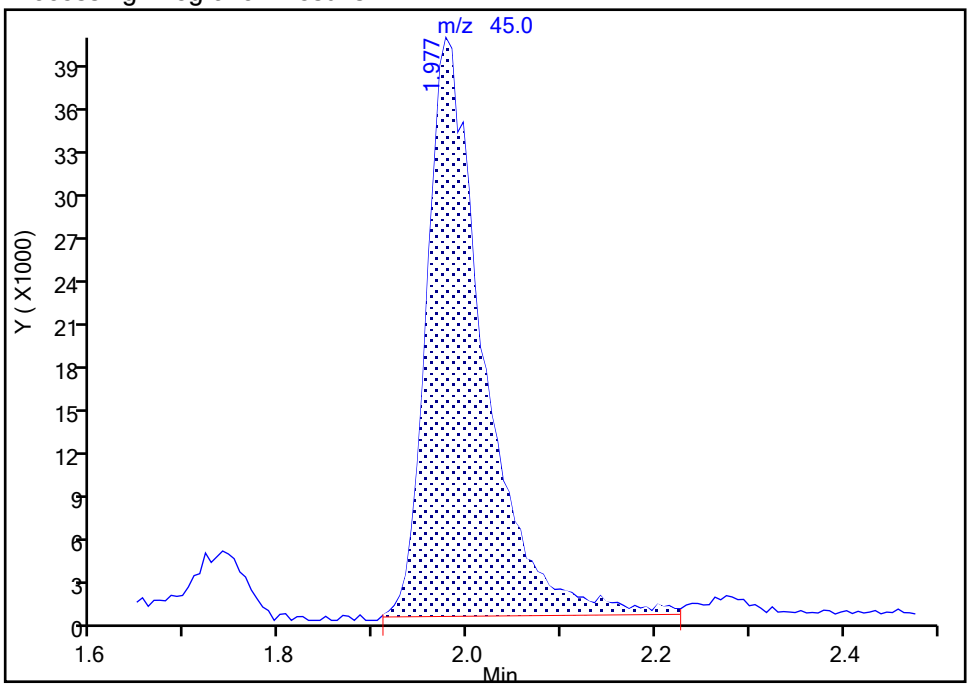
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X05.D				
Injection Date:	21-Mar-2023 02:00:30	Instrument ID:	19930		
Lims ID:	IC std4				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

3 Dimethyl ether, CAS: 115-10-6

Signal: 1

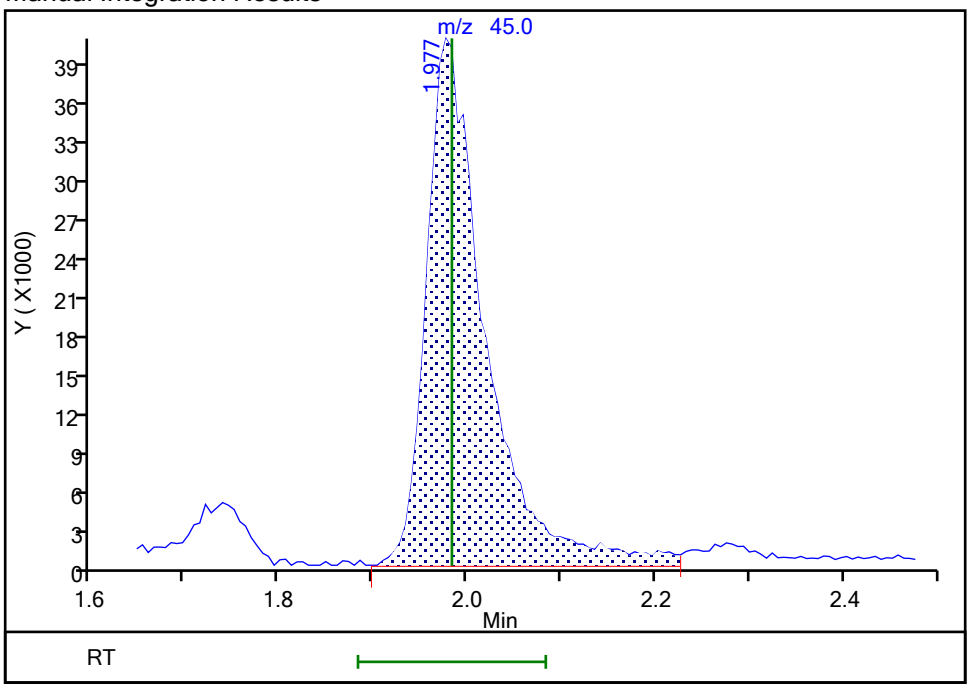
Processing Integration Results

RT: 1.98
Area: 170578
Amount: 1.939825
Amount Units: ug/l



Manual Integration Results

RT: 1.98
Area: 175698
Amount: 1.959321
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:45:27
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

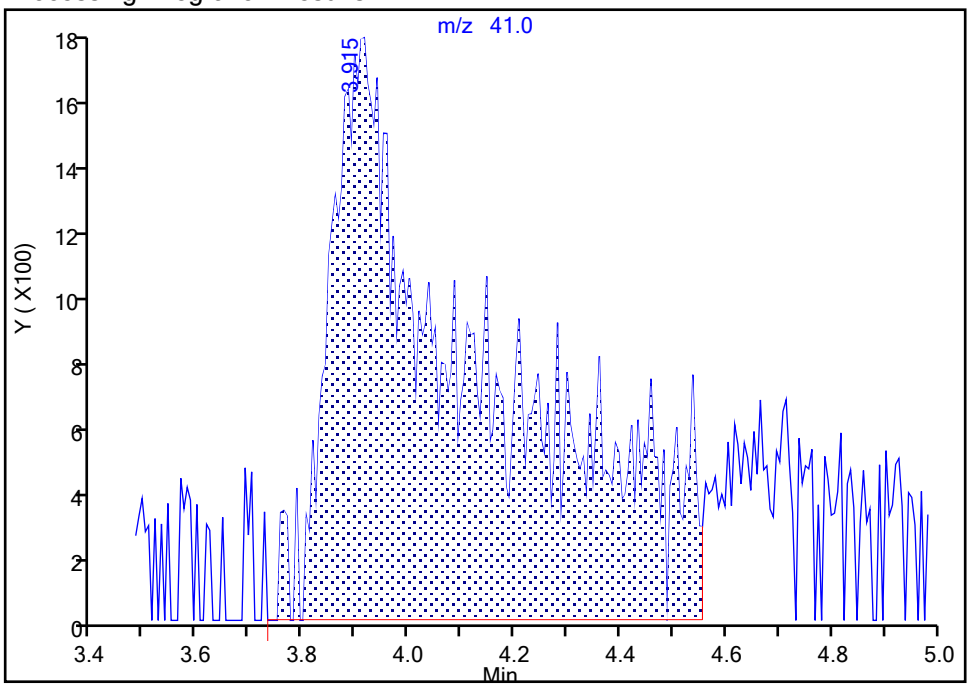
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X05.D
Injection Date: 21-Mar-2023 02:00:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: mec29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

21 Acetonitrile, CAS: 75-05-8

Signal: 1

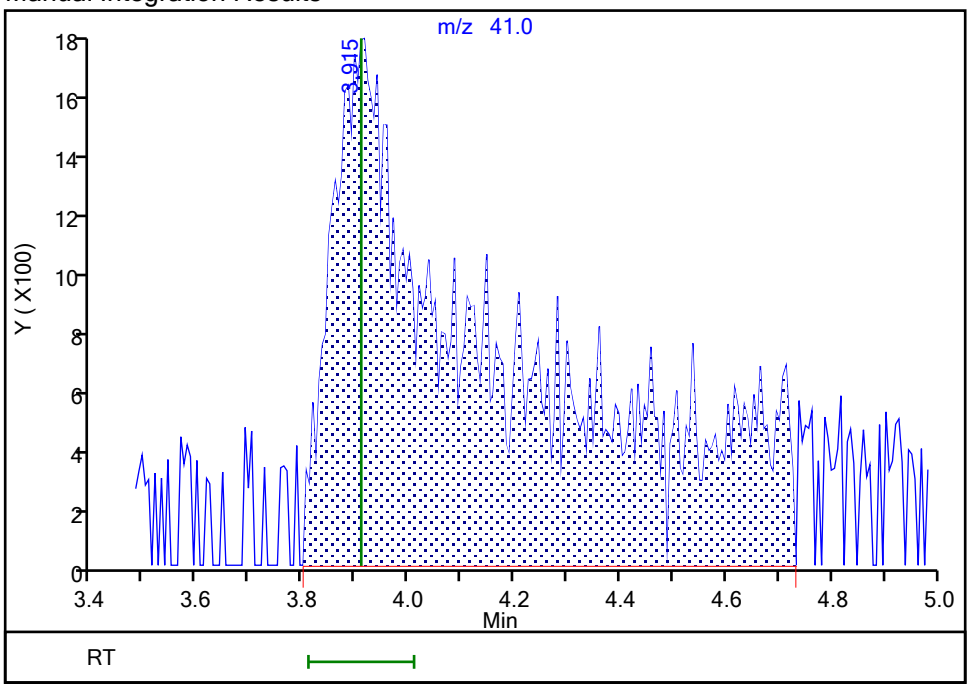
Processing Integration Results

RT: 3.92
Area: 33645
Amount: 11.249494
Amount Units: ug/l



Manual Integration Results

RT: 3.92
Area: 37788
Amount: 12.476689
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:45:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

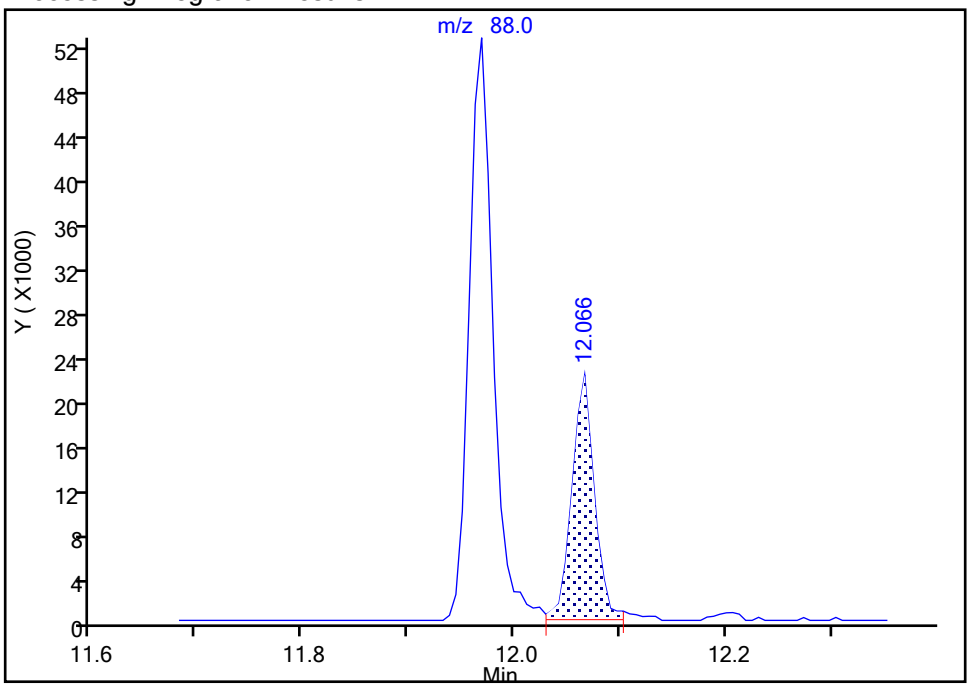
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X05.D
Injection Date: 21-Mar-2023 02:00:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: mec29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

118 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

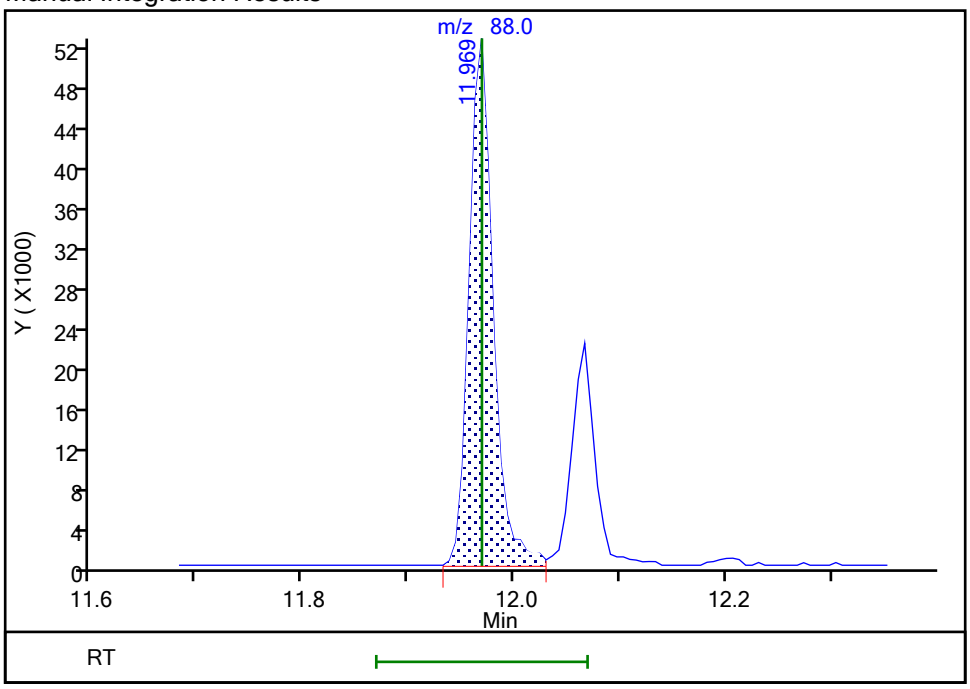
Processing Integration Results

RT: 12.07
Area: 32901
Amount: 1.132245
Amount Units: ug/l



Manual Integration Results

RT: 11.97
Area: 82462
Amount: 4.108782
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:45:54
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

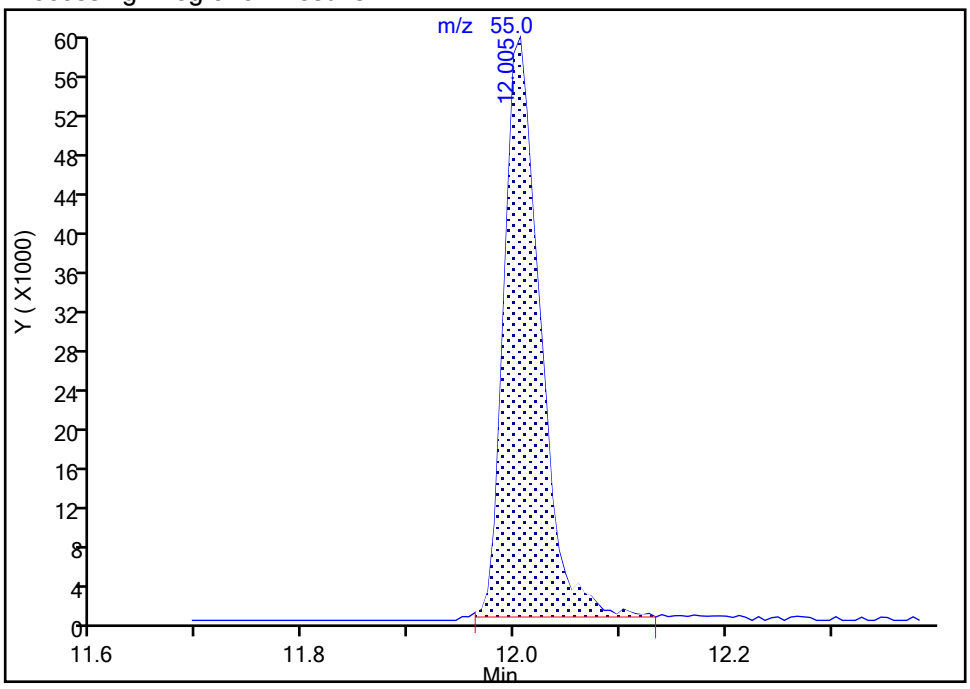
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X05.D
Injection Date: 21-Mar-2023 02:00:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: mec29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

119 Cyclohexanone, CAS: 108-94-1

Signal: 1

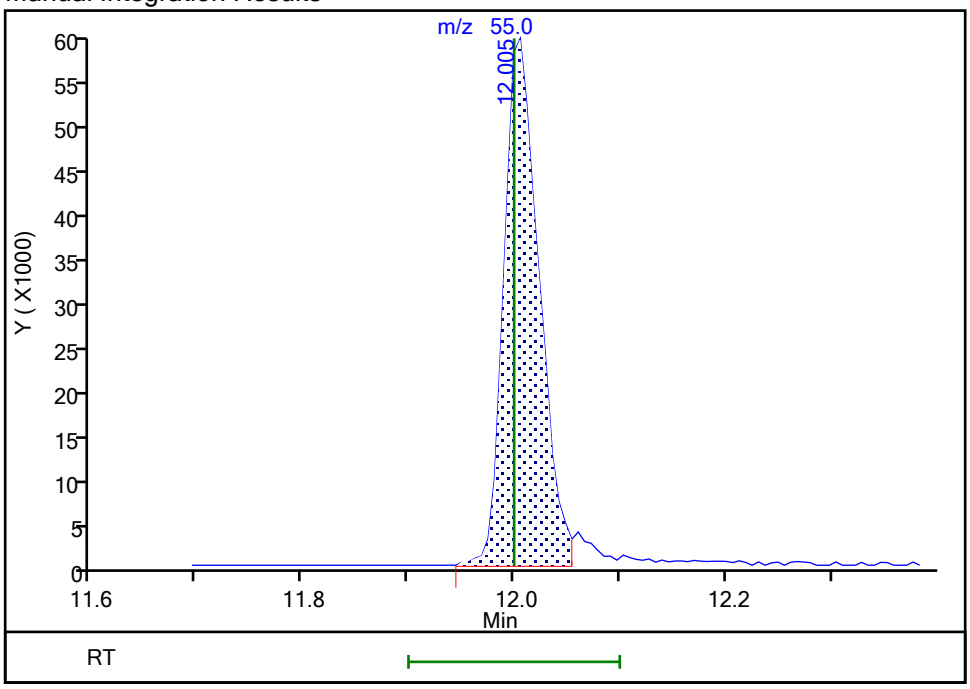
Processing Integration Results

RT: 12.01
Area: 140524
Amount: 118.9911
Amount Units: ug/l



Manual Integration Results

RT: 12.01
Area: 138047
Amount: 115.1820
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:55:26
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\19930\20230321-79468.b\IM21X06.D
Lims ID: IC std3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Mar-2023 02:20:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079468-007
Operator ID: mec29284 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub44

Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 21-Mar-2023 17:37:23 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 16:47:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.916	1.910	0.006	97	96074	1.00	1.04	
3 Dimethyl ether	45	1.983	1.983	0.000	99	93510	1.00	1.03	M
21 Acetonitrile	41	3.916	3.910	0.006	19	16251	5.00	5.28	M
* 26 t-Butyl alcohol-d10 (IS)	65	4.172	4.166	0.006	22	115497	50.0	50.0	M
33 Vinyl acetate	43	5.165	5.141	0.024	98	82985	1.00	0.8629	
42 Ethyl acetate	43	6.049	6.025	0.024	99	36387	1.00	0.8694	
59 Isopropyl acetate	43	7.262	7.250	0.012	98	81814	1.00	0.8855	
* 61 Fluorobenzene (IS)	96	7.573	7.567	0.006	99	2273293	10.0	10.0	
70 n-Propyl acetate	43	8.561	8.549	0.012	99	56272	1.00	0.8730	
73 2-Chloroethyl vinyl ether	63		9.152				ND	ND	
104 n-Butyl acetate	43	10.487	10.475	0.012	97	70299	1.00	0.8766	
* 107 Chlorobenzene-d5 (IS)	117	11.060	11.061	-0.001	86	1791965	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.969	11.969	0.000	30	37673	2.00	1.86	a
119 Cyclohexanone	55	11.999	12.000	-0.001	91	61006	50.0	50.5	M
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1092345	10.0	10.0	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000				ND	ND	
162 Chlorotrifluoroethene	1		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_CCV_V5ACE_00022	Amount Added:	1.00	Units: uL
MSV_DME_00045	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added:	8.00	Units: uL
MSV_LLcentISO_00005	Amount Added:	5.00	Units: uL
MSV_V_SMRV4_00054	Amount Added:	5.00	Units: uL

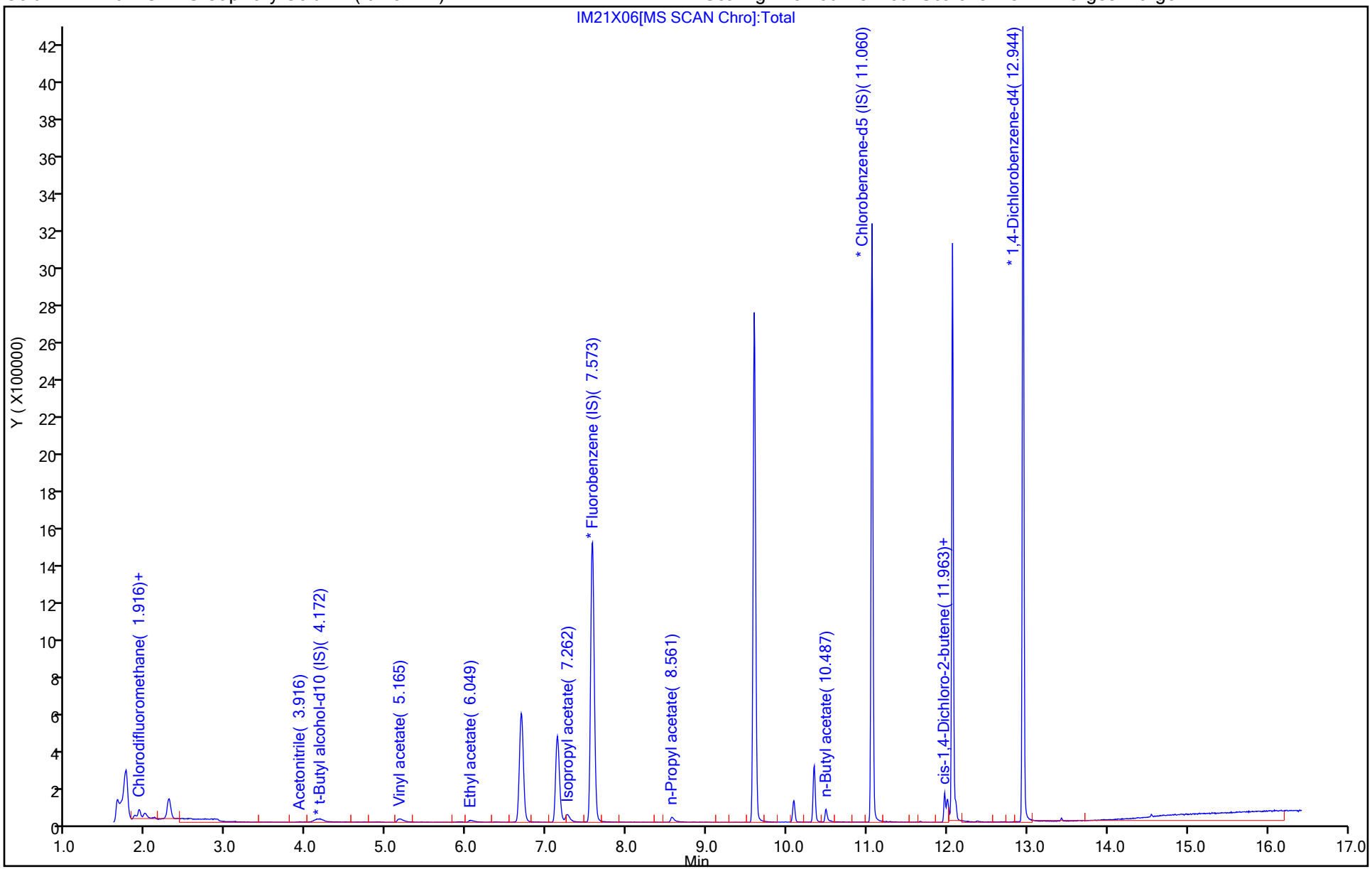
Report Date: 21-Mar-2023 17:37:24 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X06.D

Injection Date:	21-Mar-2023 02:20:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	IC std3			Worklist Smp#:	7
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

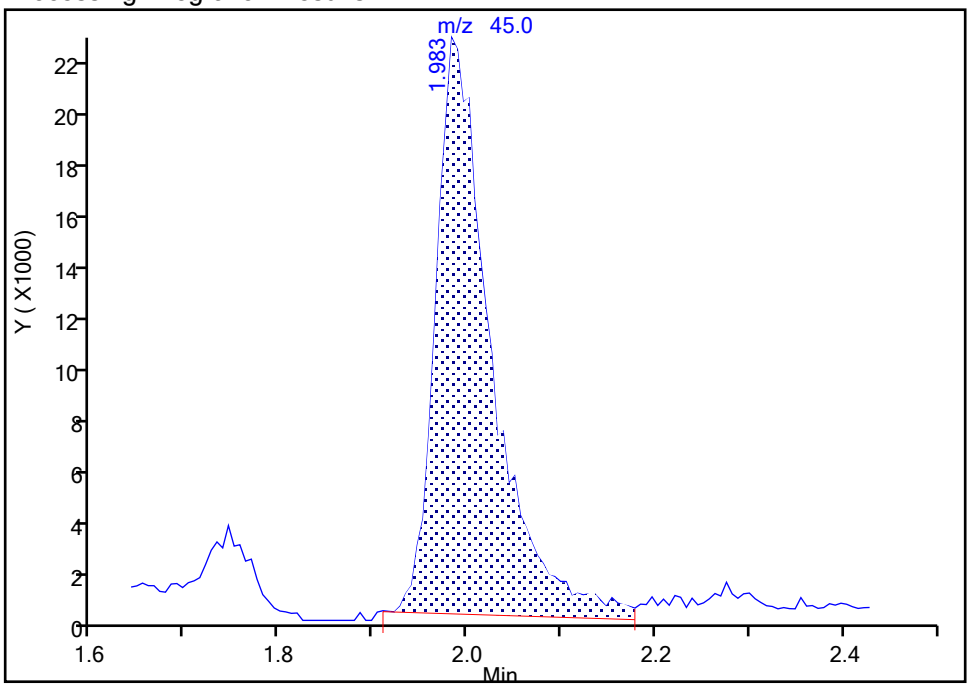
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X06.D
Injection Date: 21-Mar-2023 02:20:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

3 Dimethyl ether, CAS: 115-10-6

Signal: 1

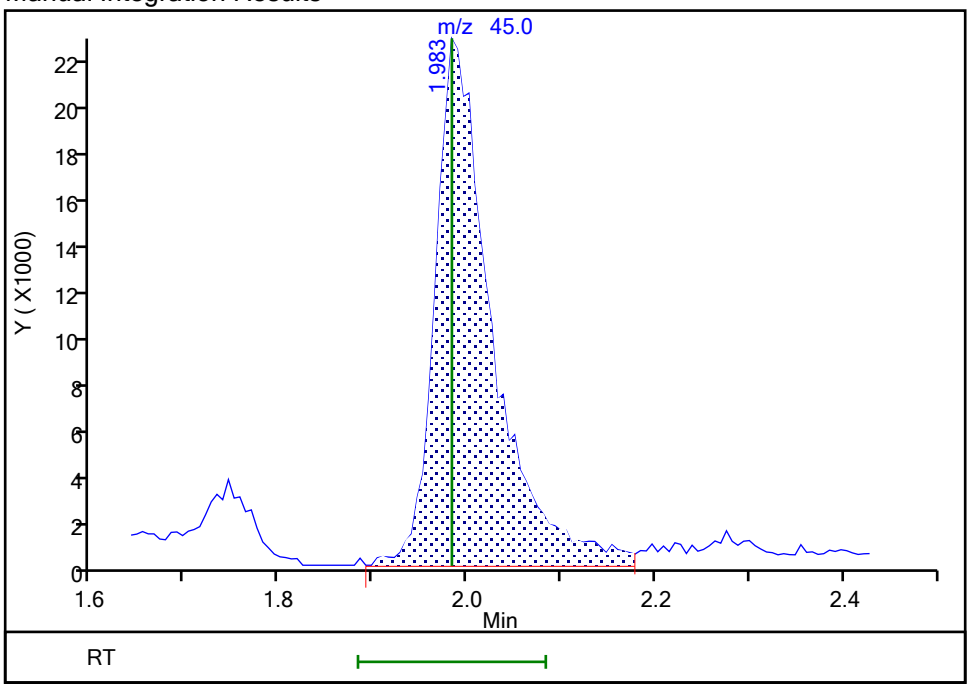
Processing Integration Results

RT: 1.98
Area: 90490
Amount: 0.938884
Amount Units: ug/l



Manual Integration Results

RT: 1.98
Area: 93510
Amount: 1.027088
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:46:28
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

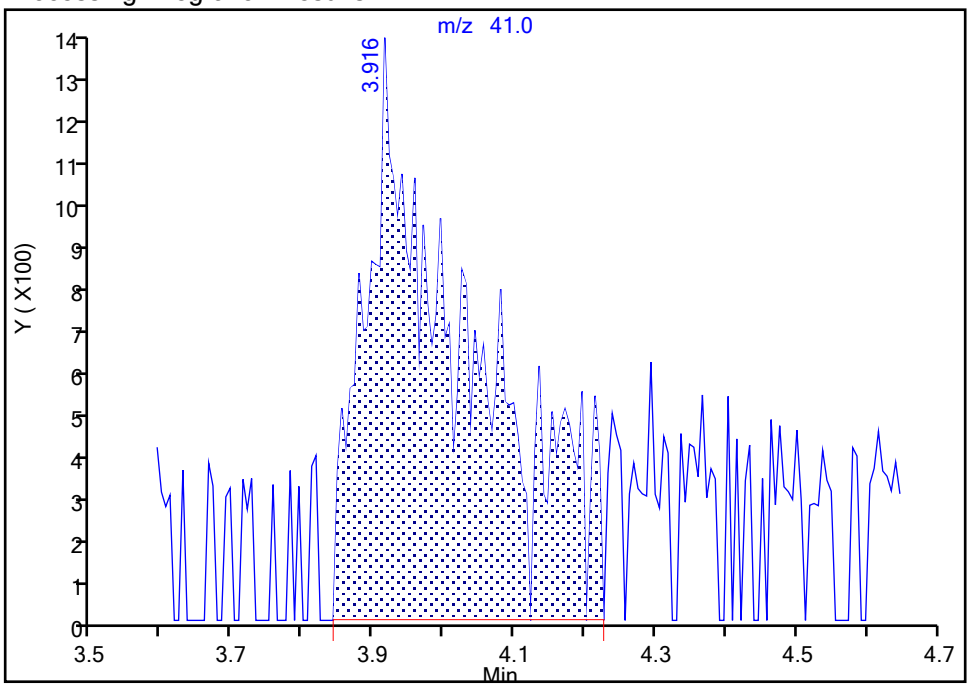
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X06.D
Injection Date: 21-Mar-2023 02:20:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

21 Acetonitrile, CAS: 75-05-8

Signal: 1

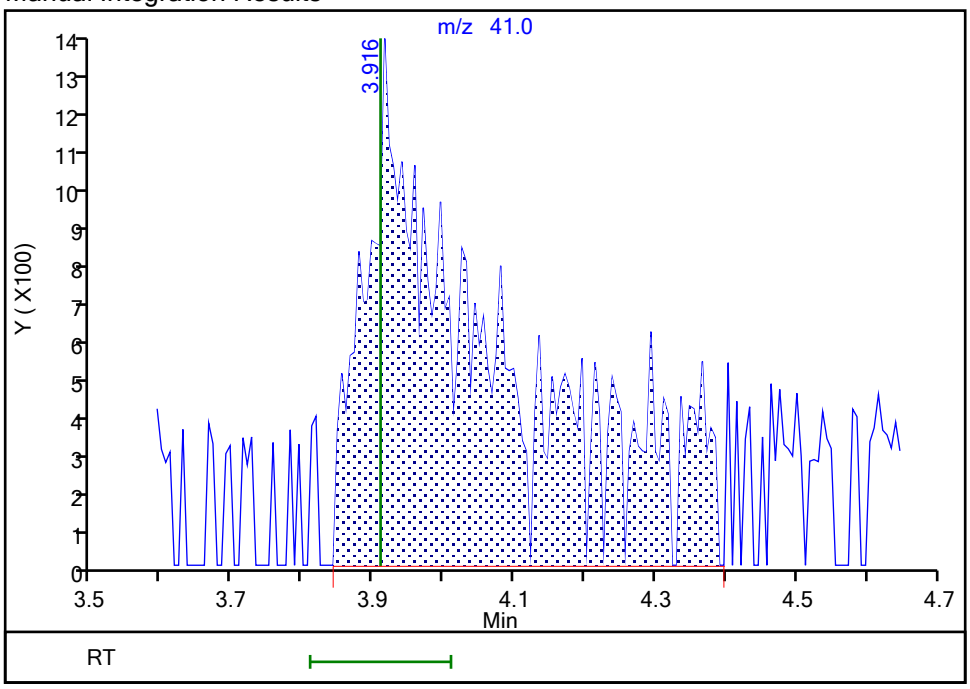
Processing Integration Results

RT: 3.92
Area: 13202
Amount: 4.263366
Amount Units: ug/l



Manual Integration Results

RT: 3.92
Area: 16251
Amount: 5.284896
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:46:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

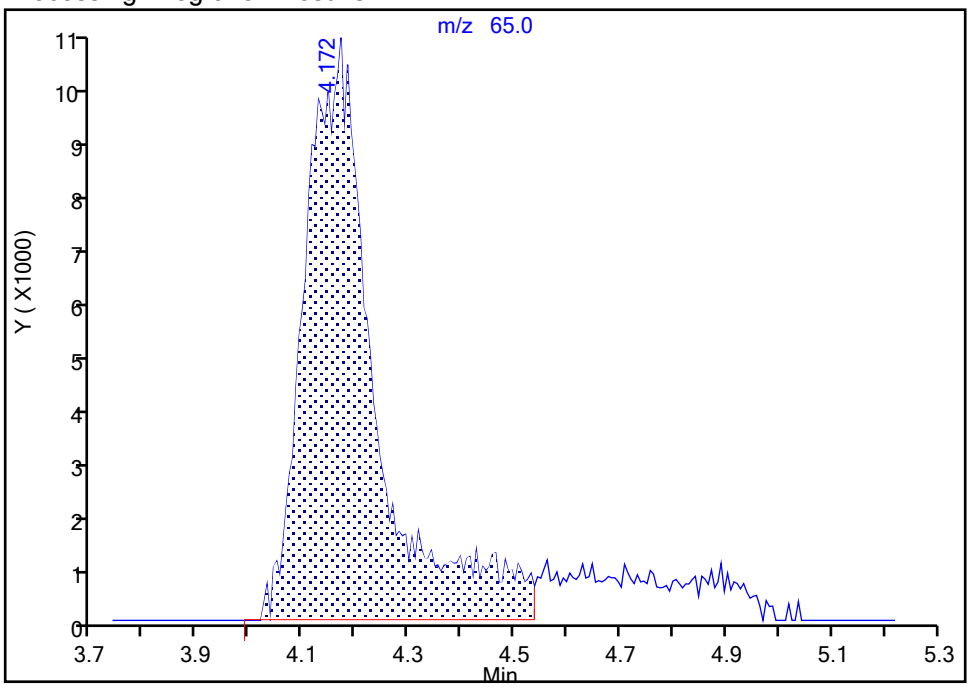
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X06.D
Injection Date: 21-Mar-2023 02:20:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

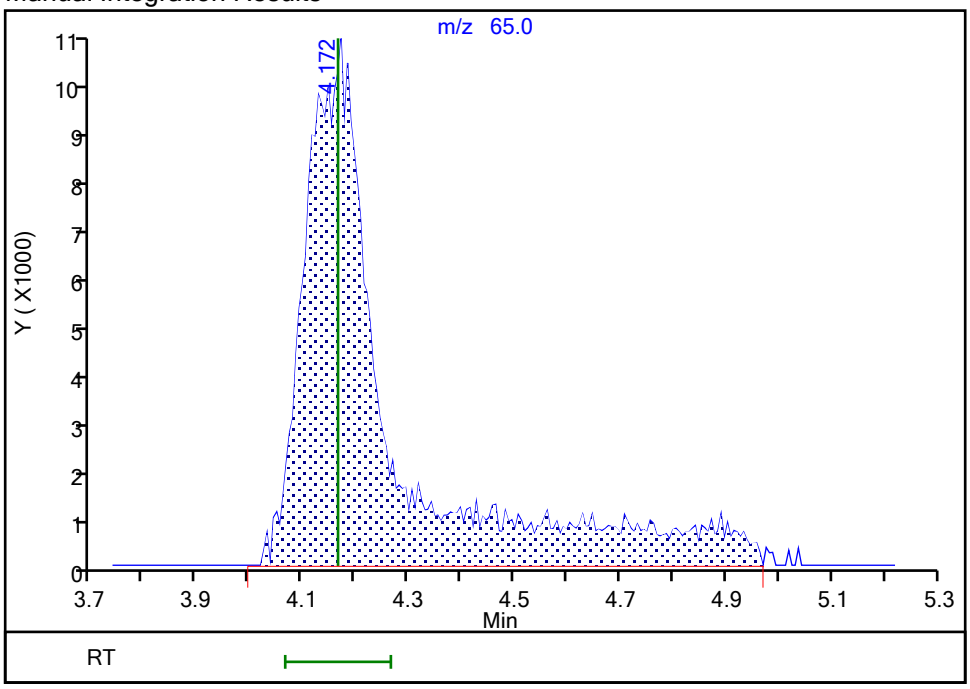
Processing Integration Results

RT: 4.17
Area: 97209
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 4.17
Area: 115497
Amount: 50.000000
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:46:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

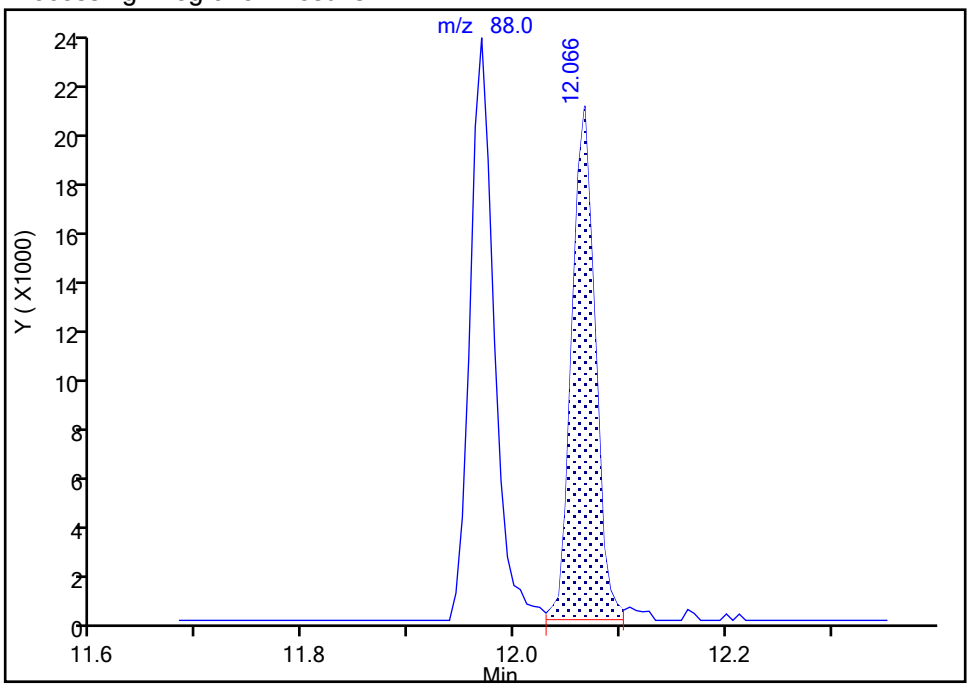
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X06.D
Injection Date: 21-Mar-2023 02:20:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

118 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

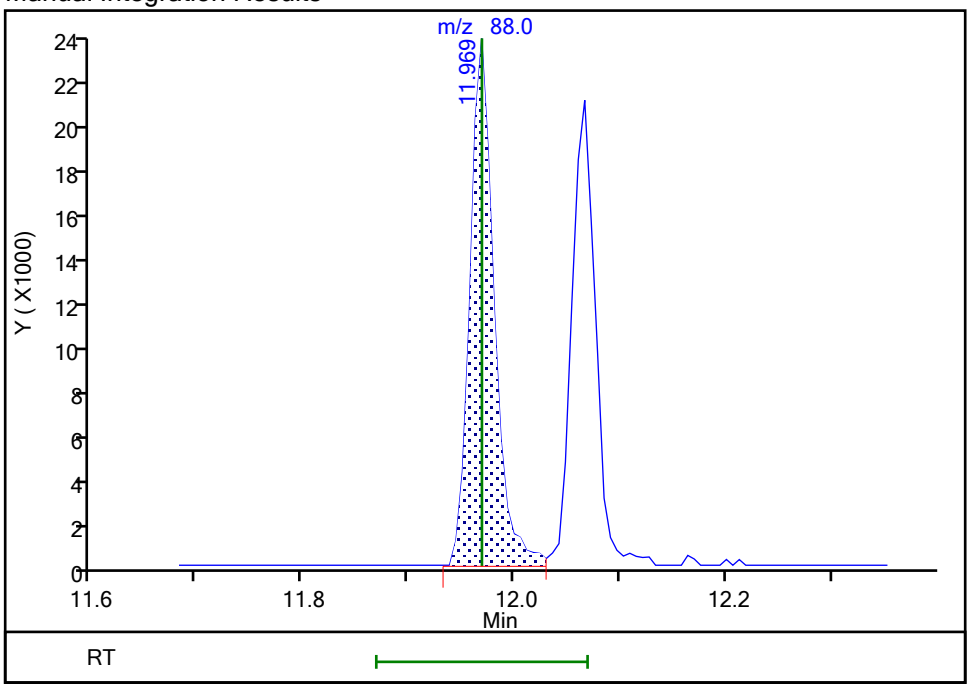
Processing Integration Results

RT: 12.07
Area: 32196
Amount: 1.035633
Amount Units: ug/l



Manual Integration Results

RT: 11.97
Area: 37673
Amount: 1.861403
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:47:00
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

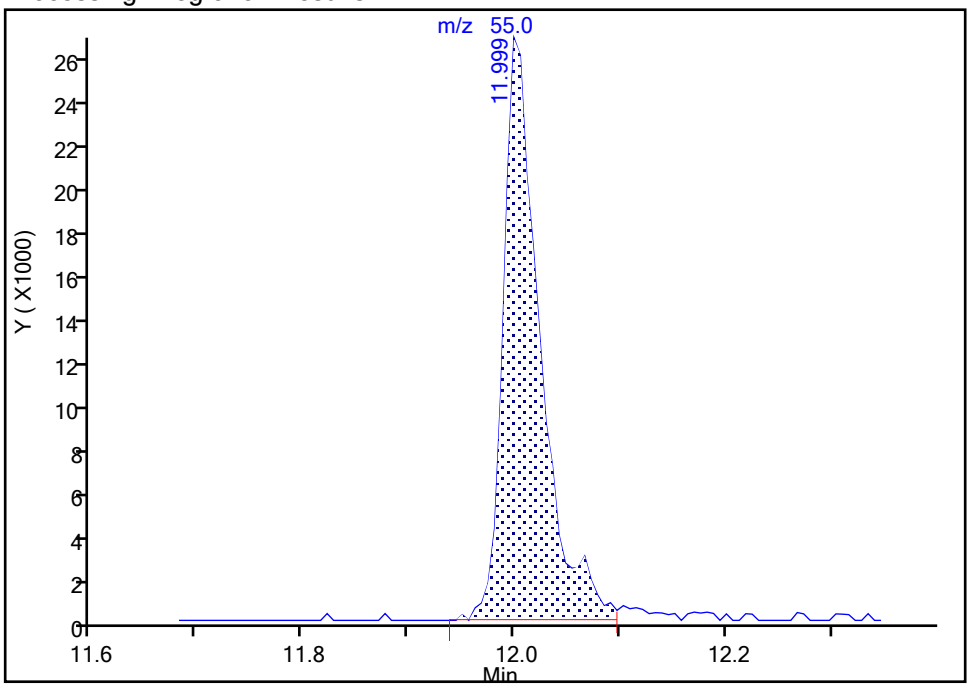
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X06.D
Injection Date: 21-Mar-2023 02:20:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

119 Cyclohexanone, CAS: 108-94-1

Signal: 1

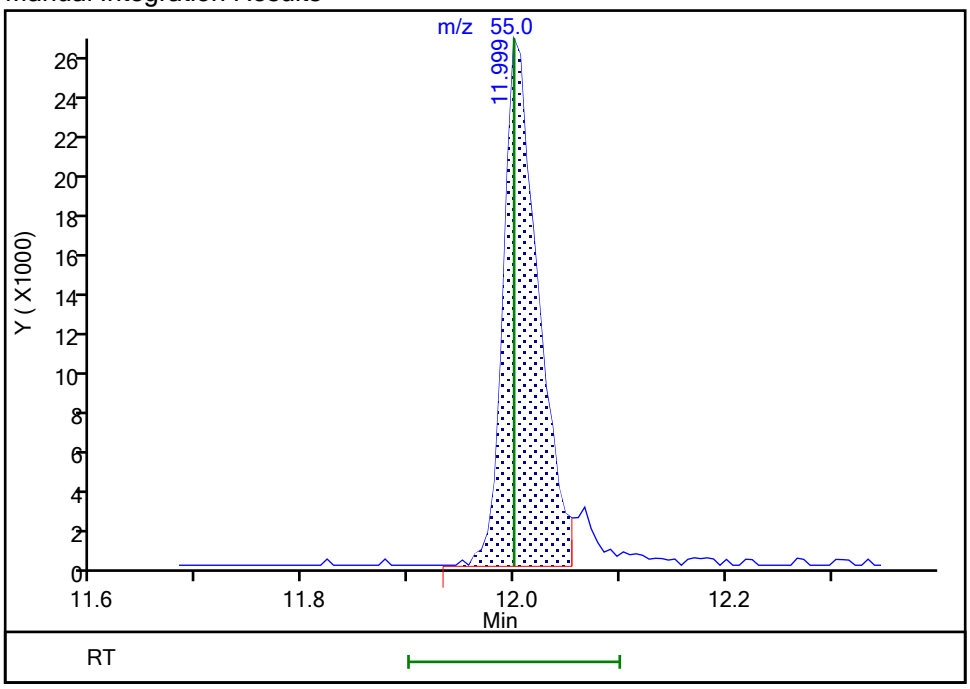
Processing Integration Results

RT: 12.00
Area: 64772
Amount: 55.576081
Amount Units: ug/l



Manual Integration Results

RT: 12.00
Area: 61006
Amount: 50.459859
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:54:49
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\19930\20230321-79468.b\IM21X07.D
Lims ID: IC std2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Mar-2023 02:41:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079468-008
Operator ID: mec29284 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub44

Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 21-Mar-2023 17:37:26 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 16:48:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.910	1.910	0.000	97	46724	0.5000	0.5067	
3 Dimethyl ether	45	1.977	1.983	-0.006	100	49342	0.5000	0.5434	M
21 Acetonitrile	41	3.977	3.910	0.067	24	5551	2.50	1.81	
* 26 t-Butyl alcohol-d10 (IS)	65	4.147	4.166	-0.019	1	105384	50.0	50.0	
33 Vinyl acetate	43	5.171	5.141	0.030	97	41827	0.5000	0.4361	M
42 Ethyl acetate	43	6.055	6.025	0.030	97	21446	0.5000	0.5138	M
59 Isopropyl acetate	43	7.263	7.250	0.013	99	41951	0.5000	0.4552	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2267293	10.0	10.0	
70 n-Propyl acetate	43	8.567	8.549	0.018	98	28155	0.5000	0.4380	Ma
73 2-Chloroethyl vinyl ether	63		9.152				ND	ND	
104 n-Butyl acetate	43	10.488	10.475	0.013	98	35219	0.5000	0.4440	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1772688	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.969	11.969	0.000	30	17462	1.00	0.8722	a
119 Cyclohexanone	55	12.006	12.000	0.006	91	27681	25.0	25.1	M
* 135 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	94	1084583	10.0	10.0	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000				ND	ND	
162 Chlorotrifluoroethene	1		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_CCV_V5ACE_00022	Amount Added:	0.50	Units: uL
MSV_DME_00045	Amount Added:	0.50	Units: uL
MSV_CCV_CYC_00005	Amount Added:	4.00	Units: uL
MSV_LLcentISO_00005	Amount Added:	5.00	Units: uL
MSV_V_SMRV4_00054	Amount Added:	2.50	Units: uL

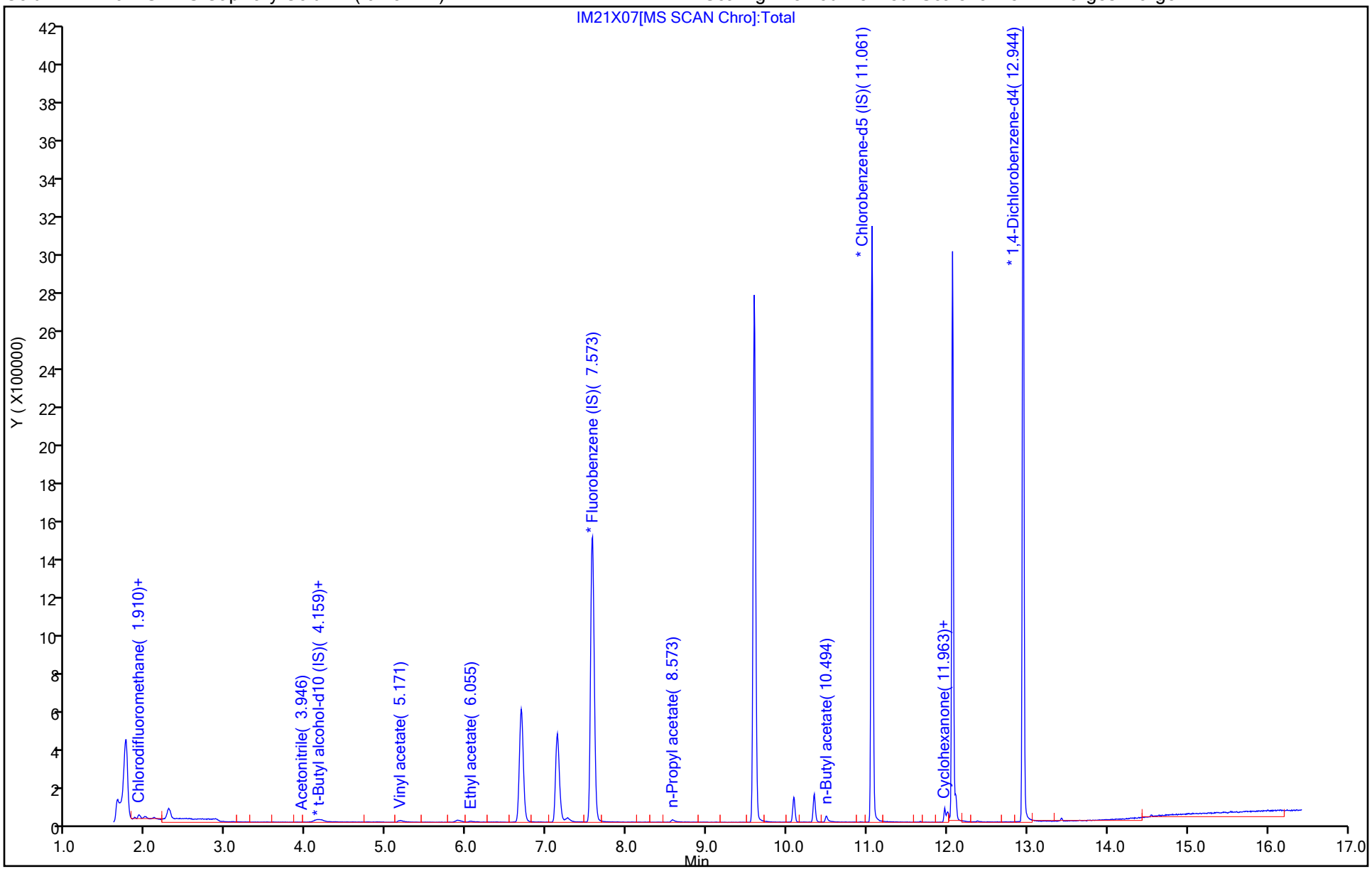
Report Date: 21-Mar-2023 17:37:27 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X07.D

Injection Date:	21-Mar-2023 02:41:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	IC std2			Worklist Smp#:	8
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

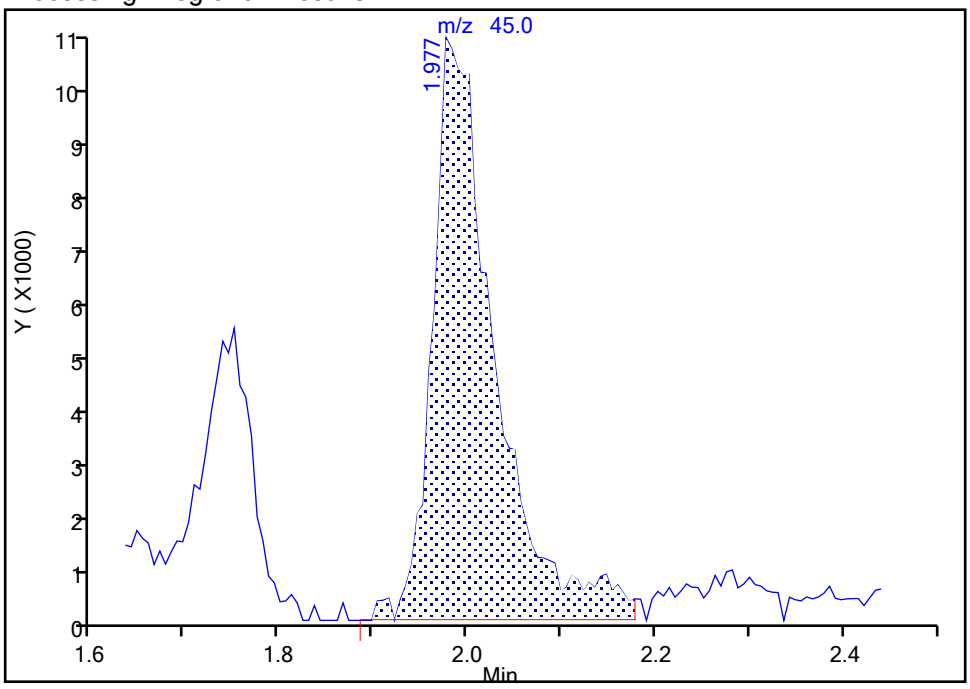
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X07.D				
Injection Date:	21-Mar-2023 02:41:30	Instrument ID:	19930		
Lims ID:	IC std2				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

3 Dimethyl ether, CAS: 115-10-6

Signal: 1

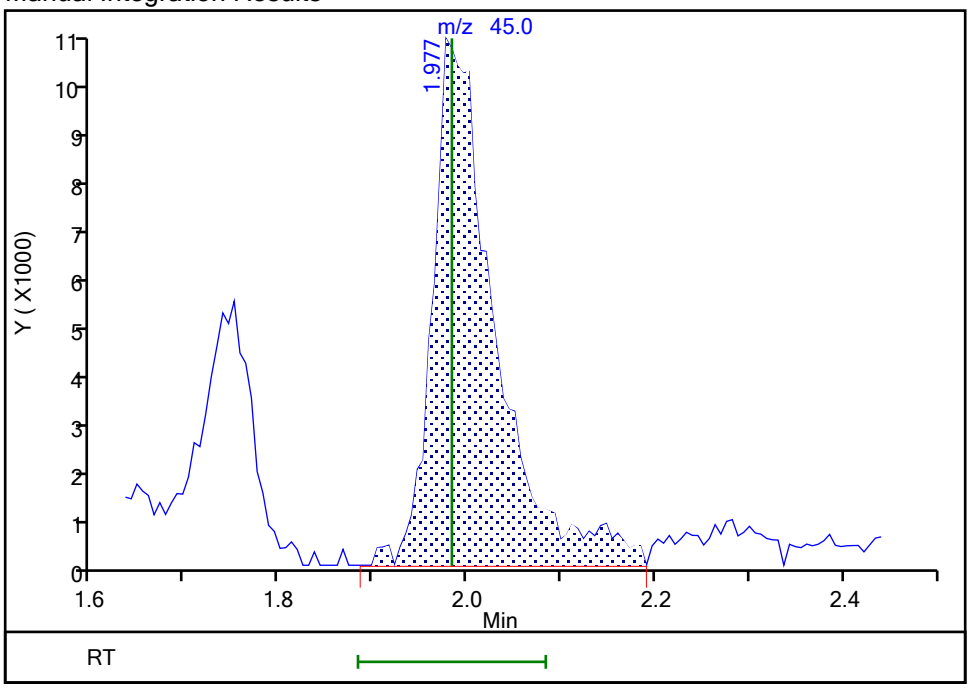
Processing Integration Results

RT: 1.98
Area: 49202
Amount: 0.443828
Amount Units: ug/l



Manual Integration Results

RT: 1.98
Area: 49342
Amount: 0.543393
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:47:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

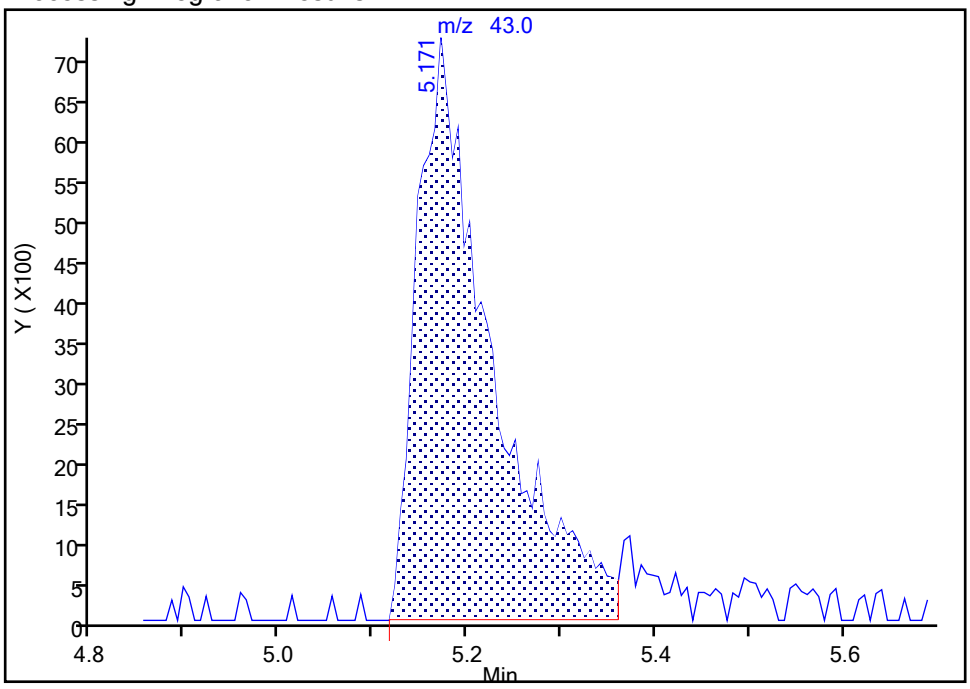
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X07.D				
Injection Date:	21-Mar-2023 02:41:30	Instrument ID:	19930		
Lims ID:	IC std2				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

33 Vinyl acetate, CAS: 108-05-4

Signal: 1

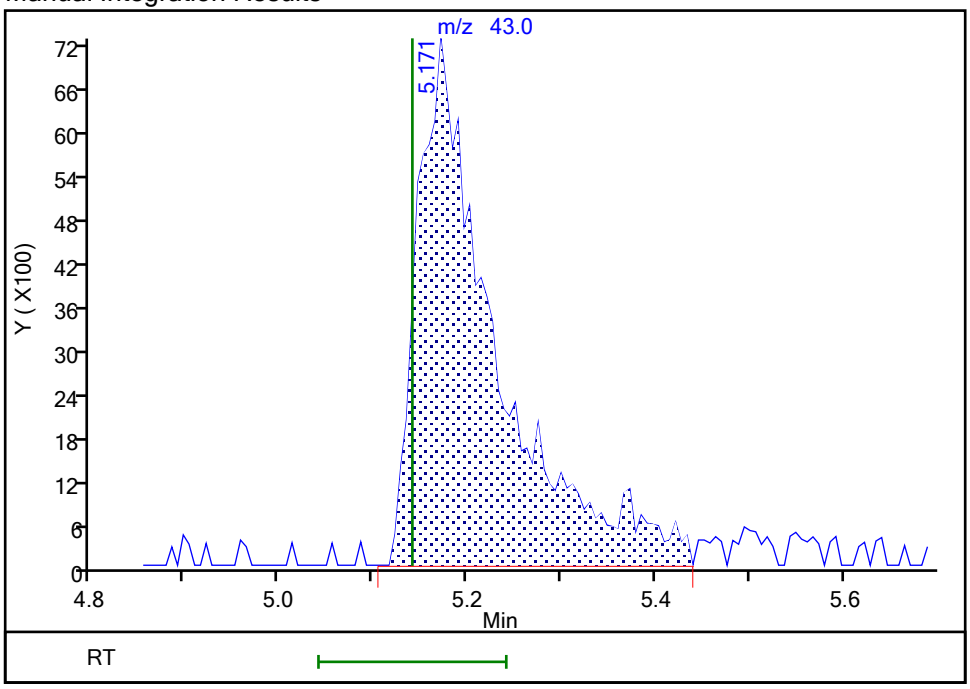
Processing Integration Results

RT: 5.17
Area: 39338
Amount: 0.426384
Amount Units: ug/l



Manual Integration Results

RT: 5.17
Area: 41827
Amount: 0.436071
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:47:56

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

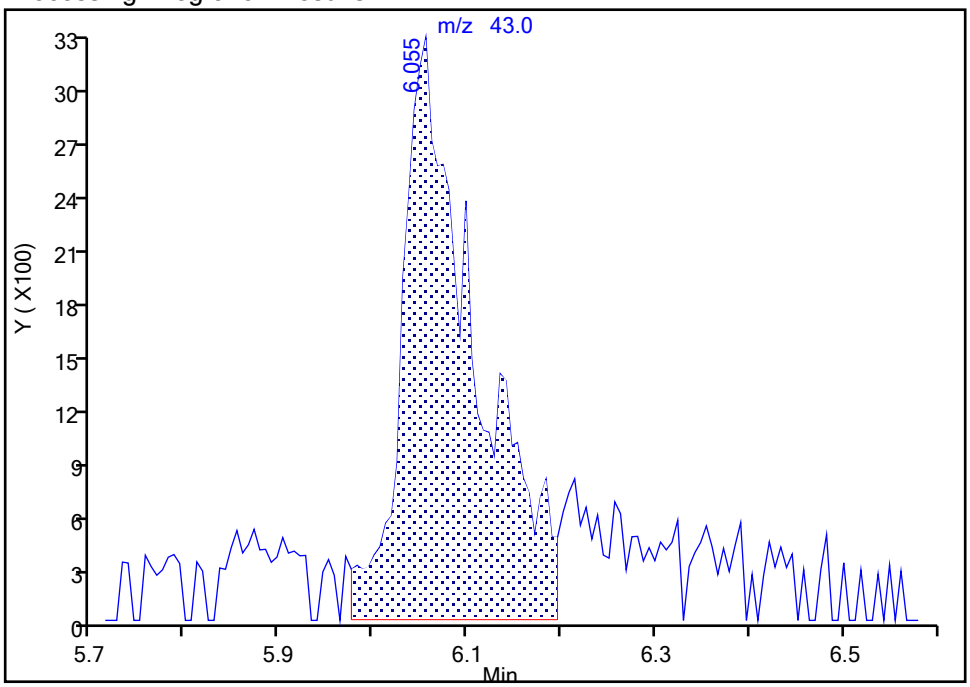
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X07.D
Injection Date: 21-Mar-2023 02:41:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

42 Ethyl acetate, CAS: 141-78-6

Signal: 1

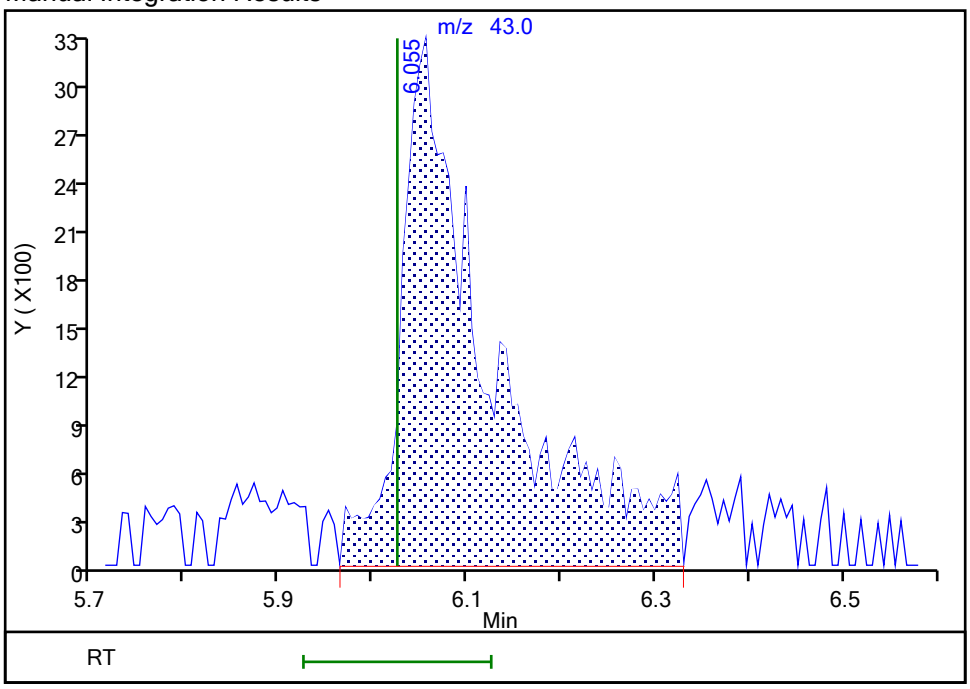
Processing Integration Results

RT: 6.06
Area: 17528
Amount: 0.454326
Amount Units: ug/l



Manual Integration Results

RT: 6.06
Area: 21446
Amount: 0.513772
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:48:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

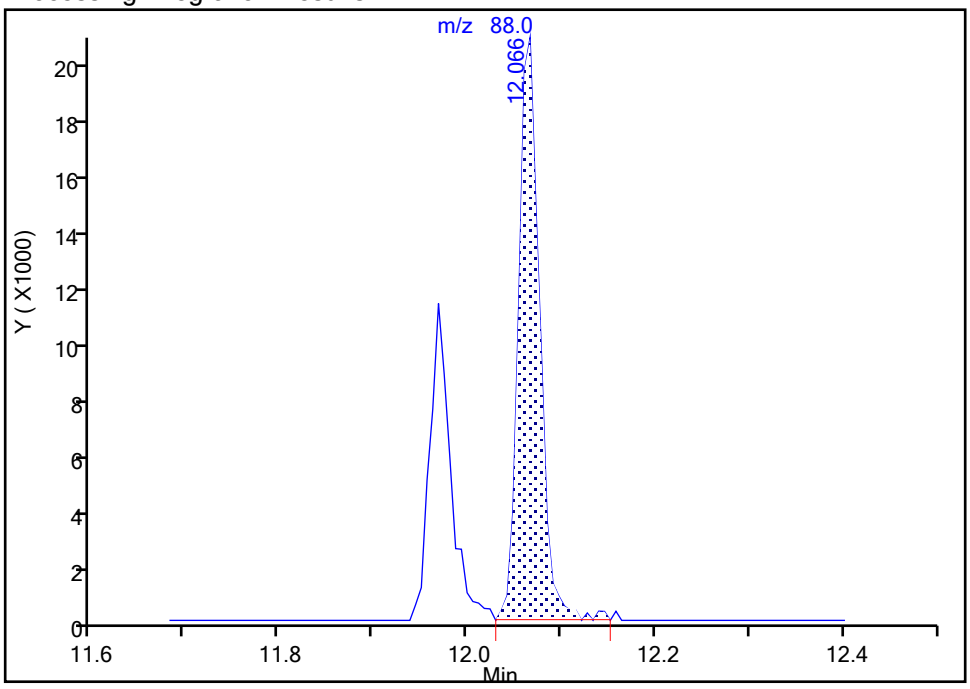
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X07.D
Injection Date: 21-Mar-2023 02:41:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

118 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

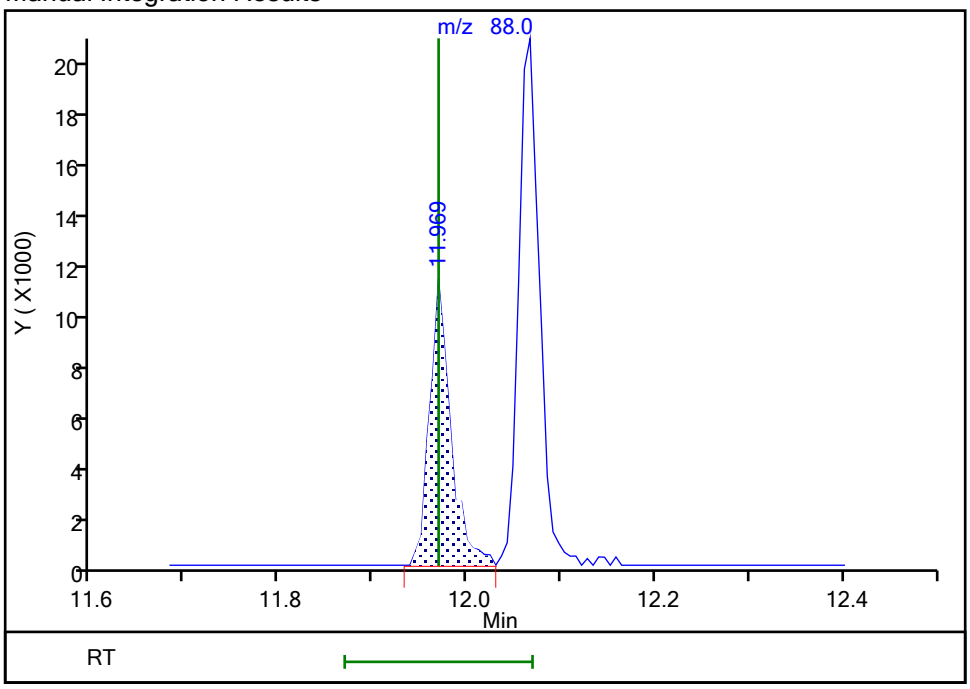
Processing Integration Results

RT: 12.07
Area: 32125
Amount: 1.031606
Amount Units: ug/l



Manual Integration Results

RT: 11.97
Area: 17462
Amount: 0.872171
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:48:21
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

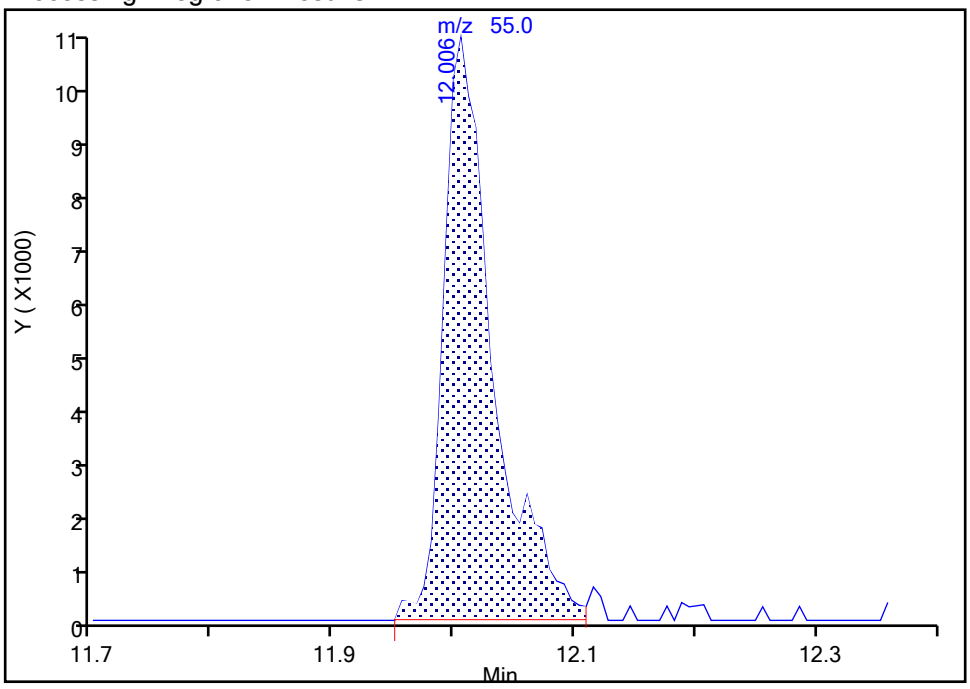
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X07.D				
Injection Date:	21-Mar-2023 02:41:30	Instrument ID:	19930		
Lims ID:	IC std2				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

119 Cyclohexanone, CAS: 108-94-1

Signal: 1

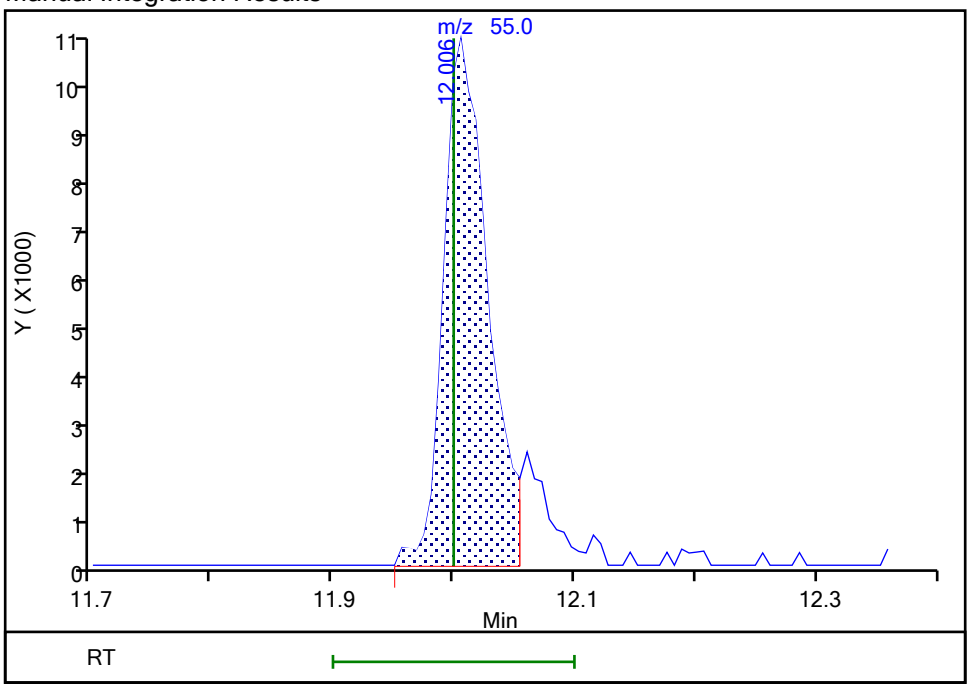
Processing Integration Results

RT: 12.01
Area: 30999
Amount: 24.833989
Amount Units: ug/l



Manual Integration Results

RT: 12.01
Area: 27681
Amount: 25.092925
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:54:27

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\19930\20230321-79468.b\IM21X08.D
Lims ID: IC std1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Mar-2023 03:01:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079468-009
Operator ID: mec29284 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub44

Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 21-Mar-2023 17:37:29 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 16:54:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.904	1.910	-0.006	97	18534	0.2000	0.1990	
3 Dimethyl ether	45	1.983	1.983	0.000	96	29907	0.2000	0.3261	
21 Acetonitrile	41	3.922	3.910	0.012	24	3864	1.00	1.25	
* 26 t-Butyl alcohol-d10 (IS)	65	4.135	4.166	-0.031	22	102634	50.0	50.0	
33 Vinyl acetate	43	5.184	5.141	0.043	87	23327	0.2000	0.2408	M
42 Ethyl acetate	43	6.049	6.025	0.024	3	10727	0.2000	0.2545	M
59 Isopropyl acetate	43	7.263	7.250	0.013	97	23090	0.2000	0.2481	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2289791	10.0	10.0	
70 n-Propyl acetate	43	8.573	8.549	0.024	97	14602	0.2000	0.2249	
73 2-Chloroethyl vinyl ether	63		9.152				ND	ND	
104 n-Butyl acetate	43	10.488	10.475	0.013	94	18894	0.2000	0.2358	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1790184	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.969	11.969	0.000	30	6202	0.4000	0.3067	a
119 Cyclohexanone	55	12.006	12.000	0.006	91	11958	10.0	11.1	M
* 135 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	94	1101215	10.0	10.0	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000				ND	ND	
162 Chlorotrifluoroethene	1		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_CCV_V5ACE_00022	Amount Added:	0.20	Units: uL
MSV_DME_00045	Amount Added:	0.20	Units: uL
MSV_CCV_CYC_00005	Amount Added:	1.60	Units: uL
MSV_LLcentISO_00005	Amount Added:	5.00	Units: uL
MSV_V_SMRV4_00054	Amount Added:	1.00	Units: uL

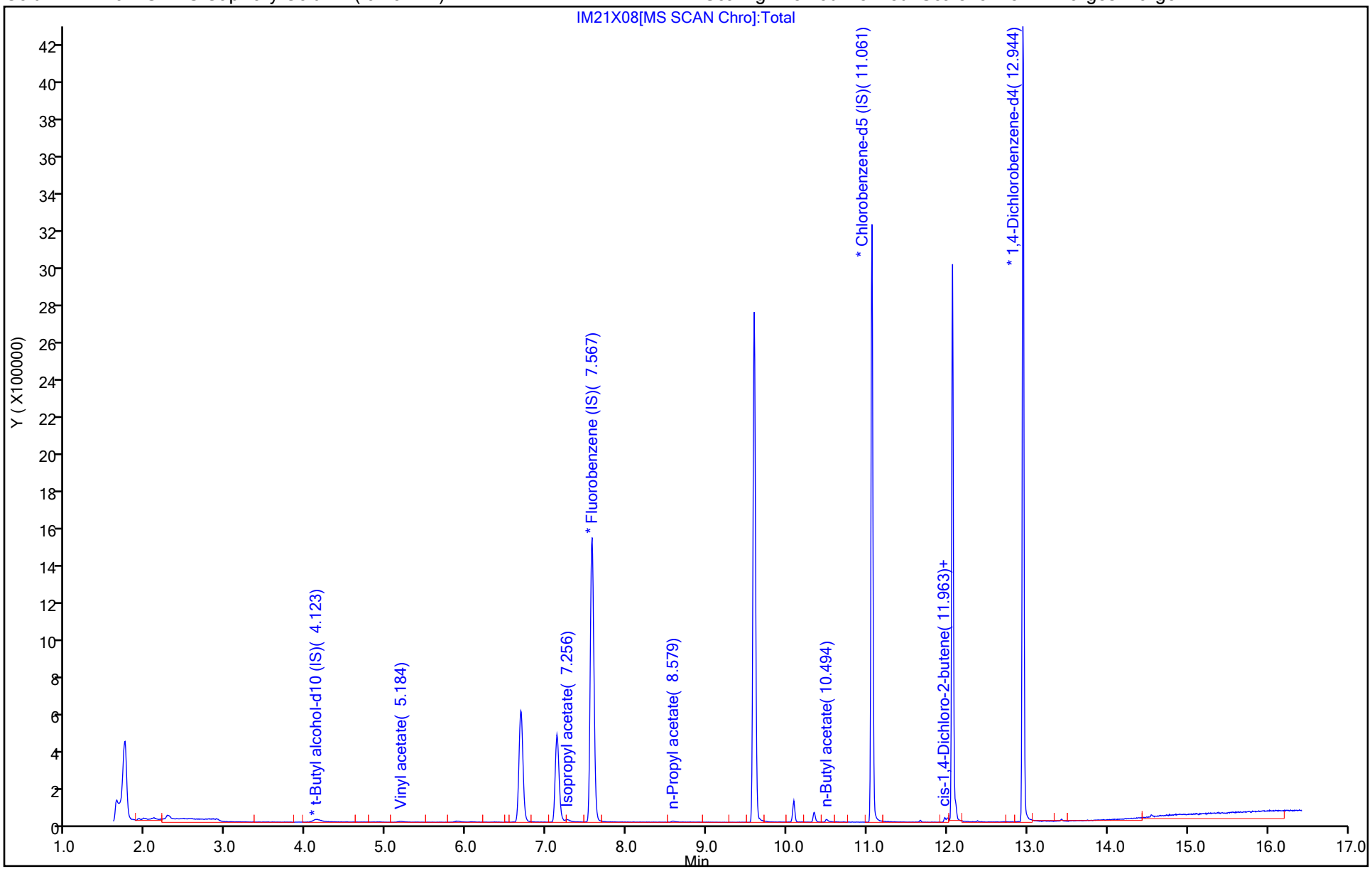
Report Date: 21-Mar-2023 17:37:29 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X08.D

Injection Date:	21-Mar-2023 03:01:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	IC std1			Worklist Smp#:	9
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

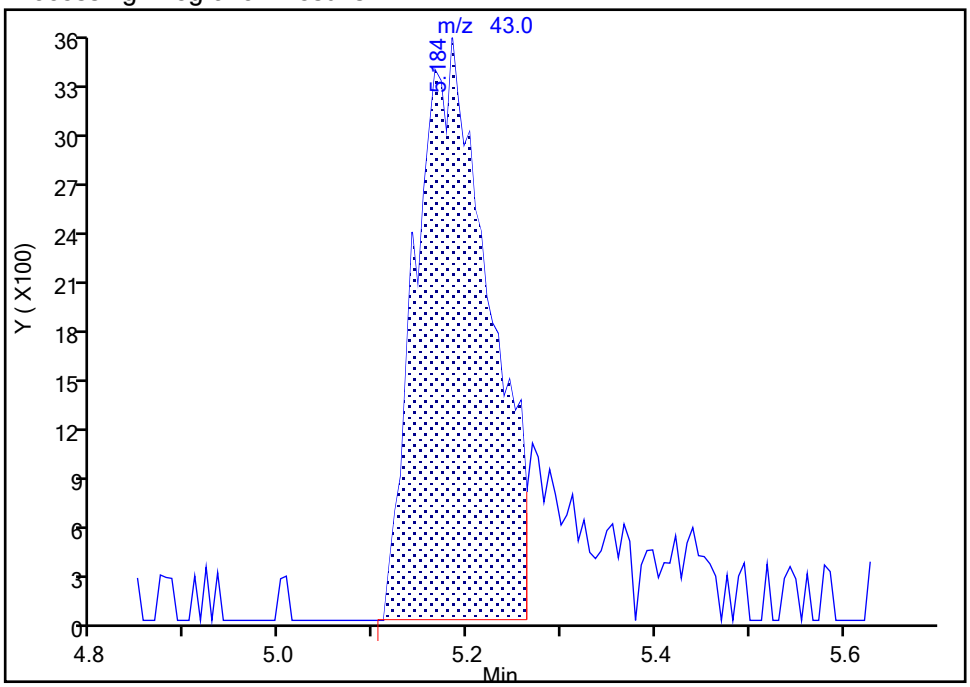
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X08.D				
Injection Date:	21-Mar-2023 03:01:30	Instrument ID:	19930		
Lims ID:	IC std1				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

33 Vinyl acetate, CAS: 108-05-4

Signal: 1

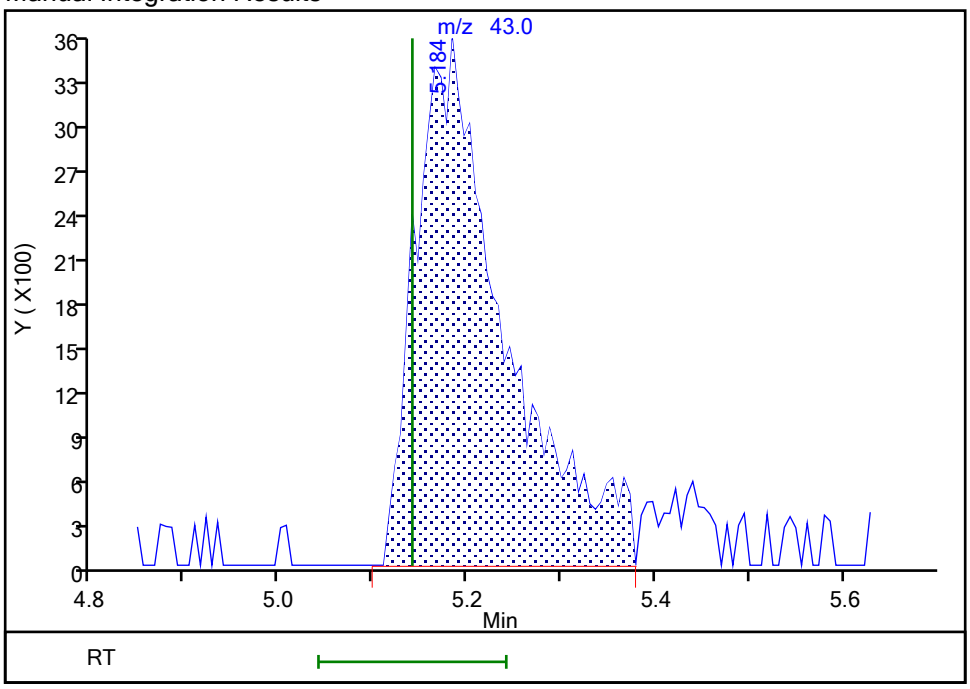
Processing Integration Results

RT: 5.18
Area: 19160
Amount: 0.204062
Amount Units: ug/l



Manual Integration Results

RT: 5.18
Area: 23327
Amount: 0.240808
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:48:46

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

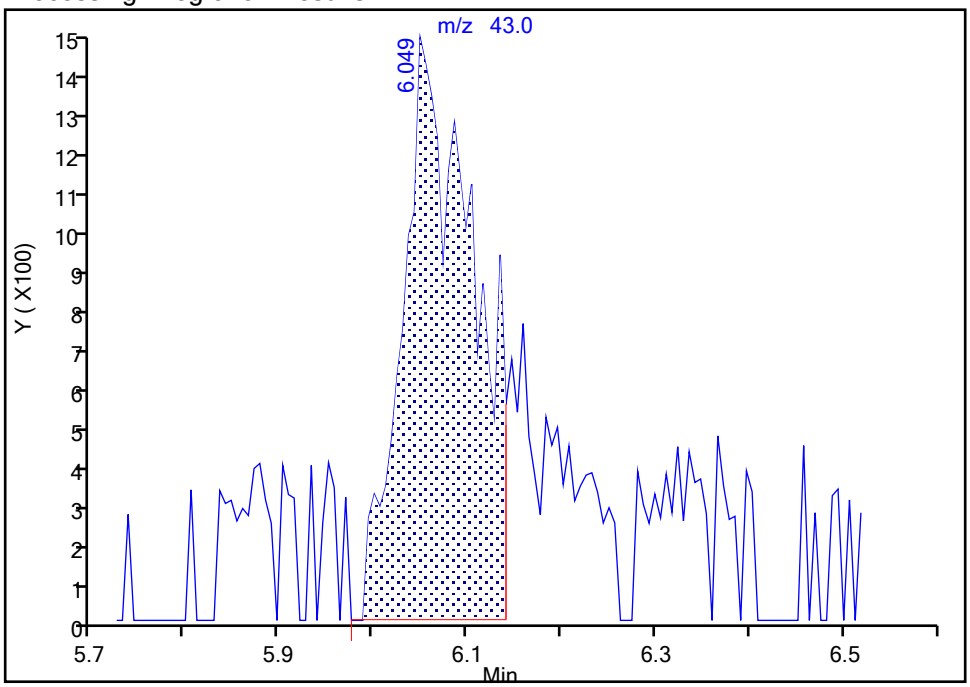
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X08.D
Injection Date: 21-Mar-2023 03:01:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

42 Ethyl acetate, CAS: 141-78-6

Signal: 1

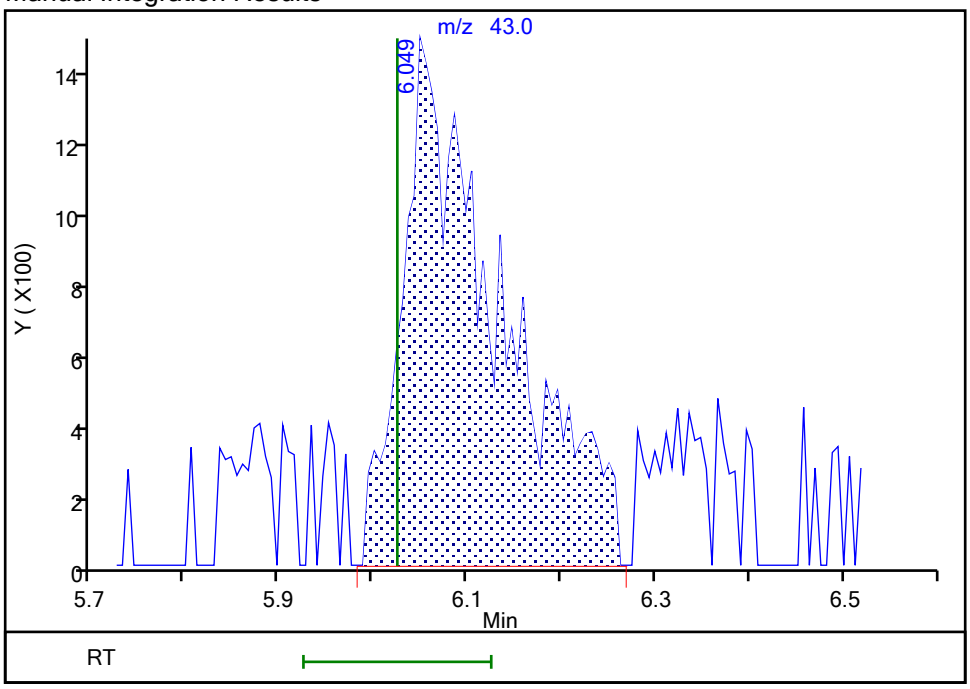
Processing Integration Results

RT: 6.05
Area: 7839
Amount: 0.195517
Amount Units: ug/l



Manual Integration Results

RT: 6.05
Area: 10727
Amount: 0.254457
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:48:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

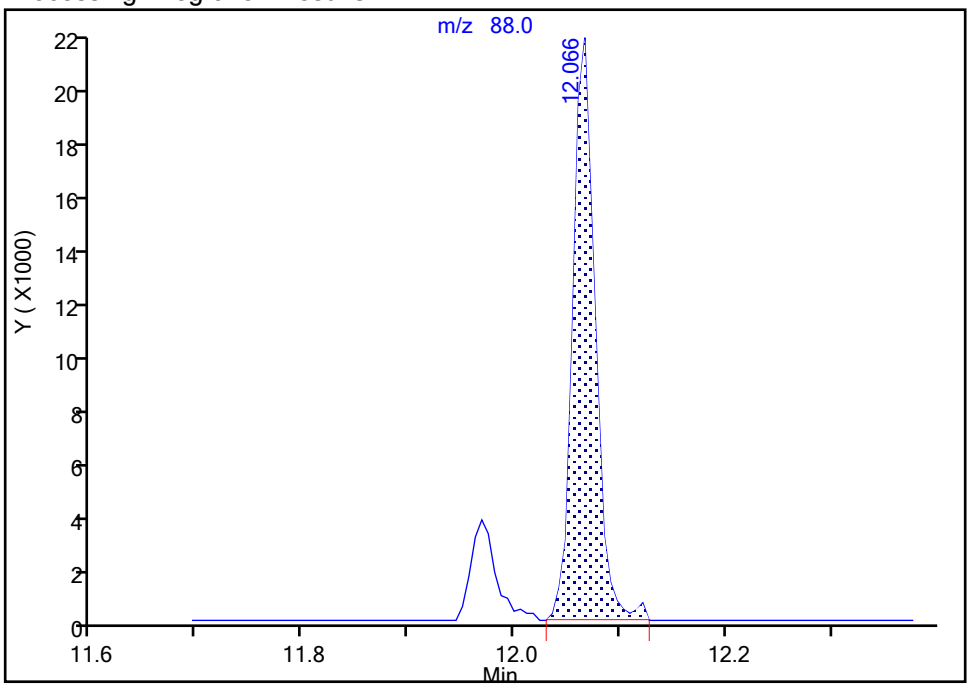
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X08.D				
Injection Date:	21-Mar-2023 03:01:30	Instrument ID:	19930		
Lims ID:	IC std1				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

118 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

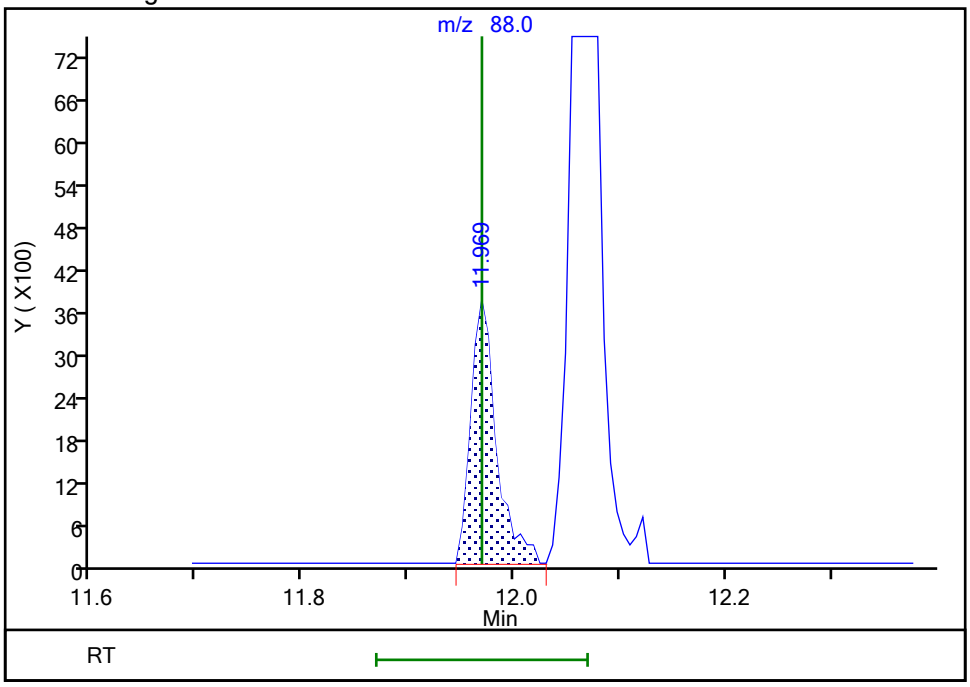
Processing Integration Results

RT: 12.07
Area: 31723
Amount: 1.081482
Amount Units: ug/l



Manual Integration Results

RT: 11.97
Area: 6202
Amount: 0.306742
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:49:01
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

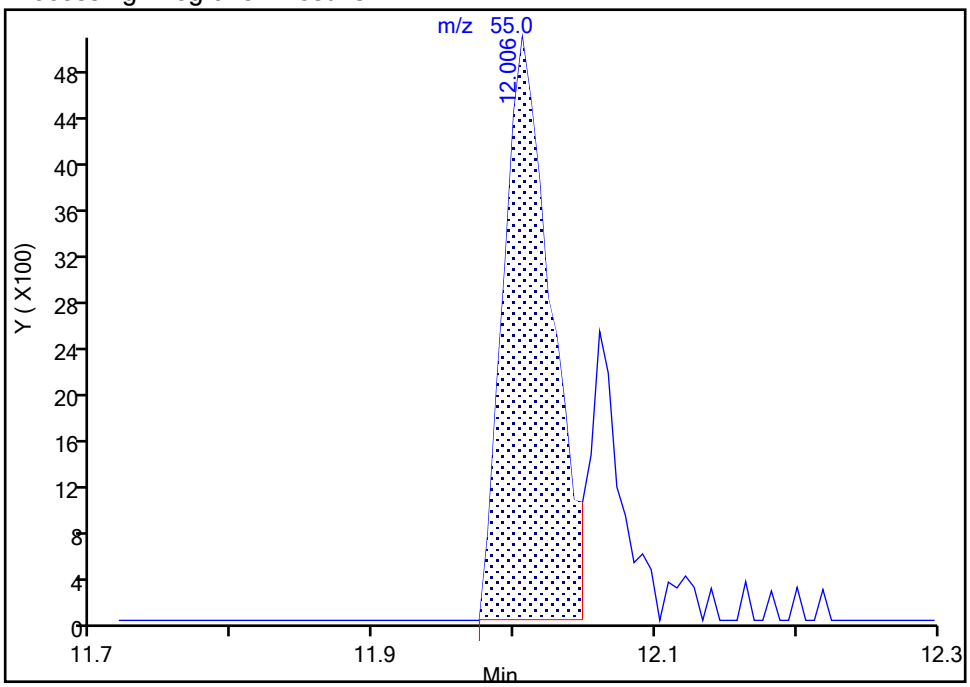
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X08.D
Injection Date: 21-Mar-2023 03:01:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

119 Cyclohexanone, CAS: 108-94-1

Signal: 1

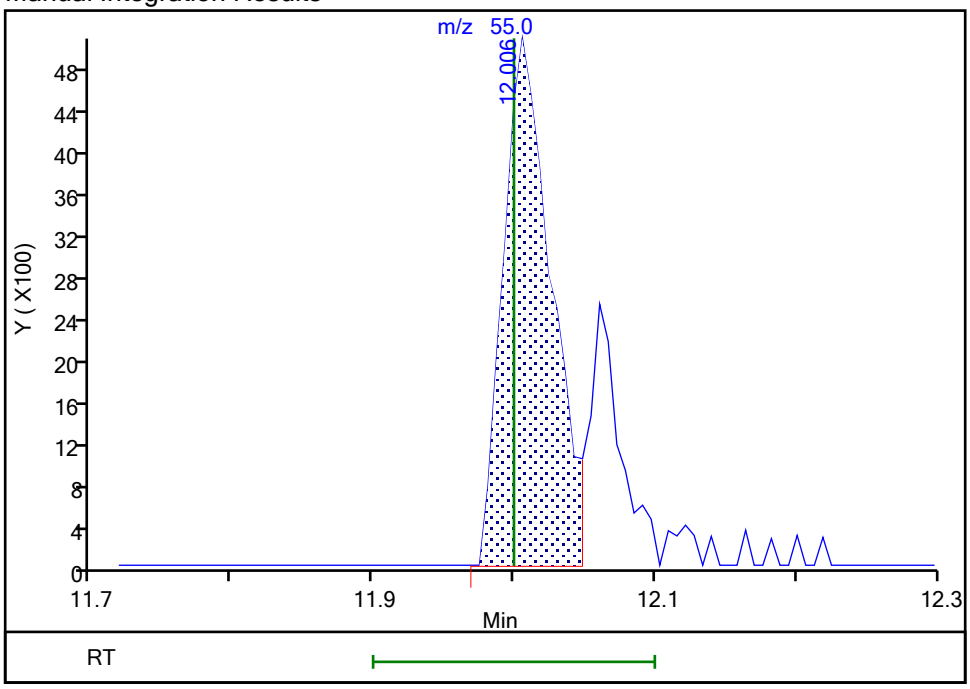
Processing Integration Results

RT: 12.01
Area: 11960
Amount: 11.508112
Amount Units: ug/l



Manual Integration Results

RT: 12.01
Area: 11958
Amount: 11.130418
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:54:08
Audit Action: Split an Integrated Peak 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

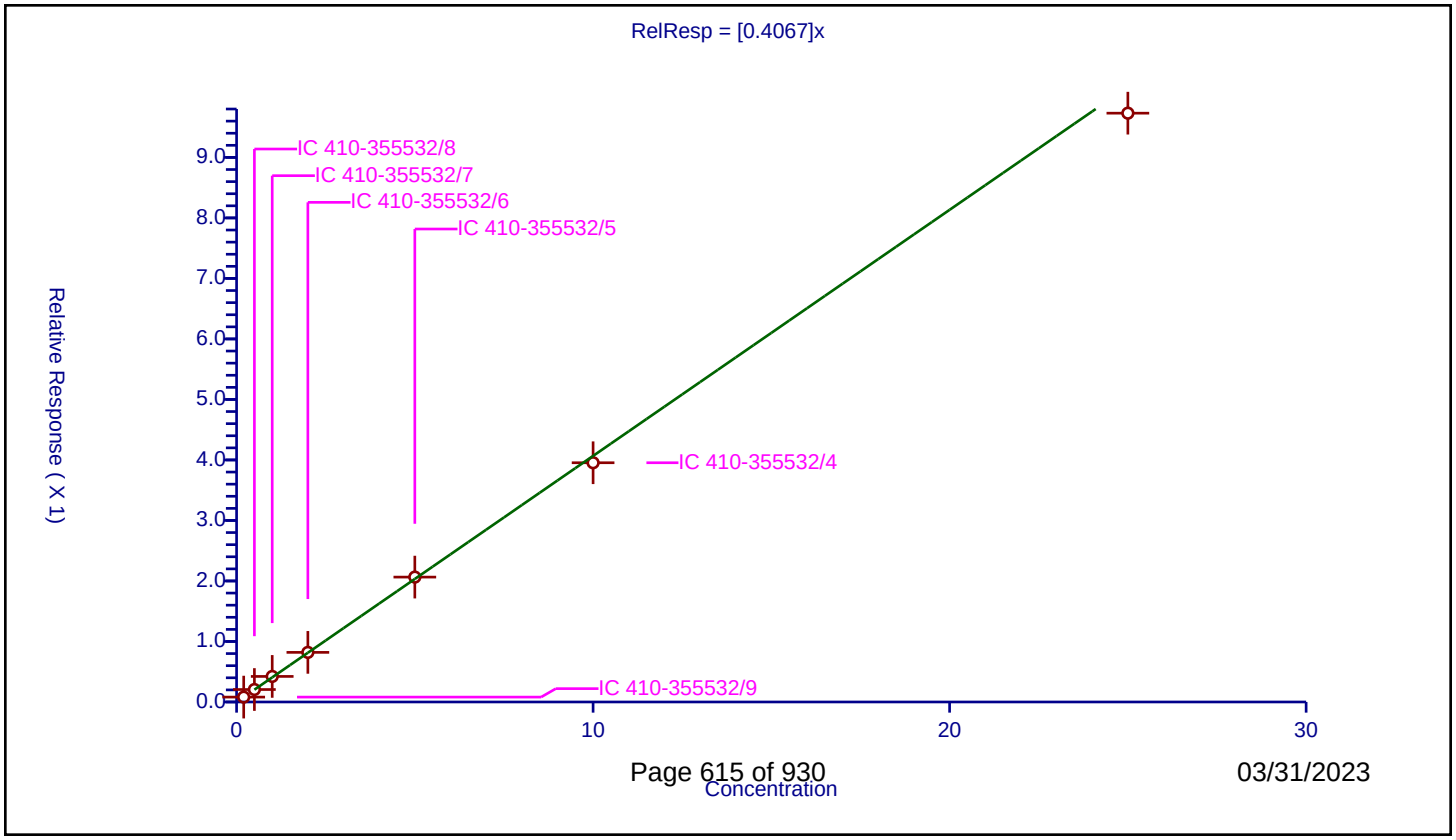
Curve Coefficients

Intercept:	0
Slope:	0.4067

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/9	0.2	0.080942	10.0	2289791.0	0.404709	Y
2	IC 410-355532/8	0.5	0.206078	10.0	2267293.0	0.412157	Y
3	IC 410-355532/7	1.0	0.42262	10.0	2273293.0	0.42262	Y
4	IC 410-355532/6	2.0	0.819731	10.0	2239063.0	0.409866	Y
5	IC 410-355532/5	5.0	2.06422	10.0	2234583.0	0.412844	Y
6	IC 410-355532/4	10.0	3.953733	10.0	2313272.0	0.395373	Y
7	IC 410-355532/3	25.0	9.731384	10.0	2299711.0	0.389255	Y



Calibration / Dimethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

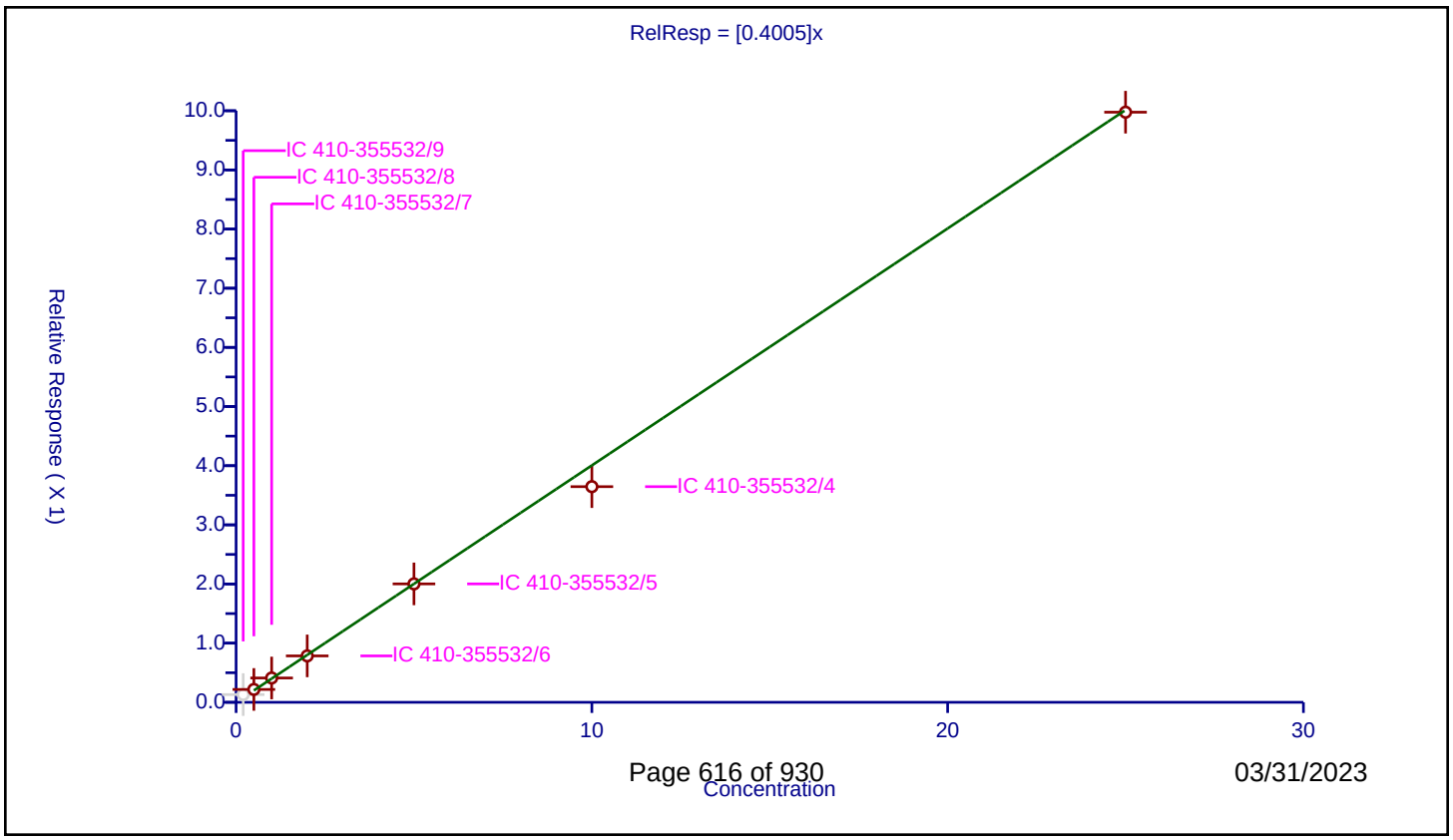
Curve Coefficients

Intercept:	0
Slope:	0.4005

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	5.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/9	0.2	0.13061	10.0	2289791.0	0.653051	N
2	IC 410-355532/8	0.5	0.217625	10.0	2267293.0	0.43525	Y
3	IC 410-355532/7	1.0	0.411342	10.0	2273293.0	0.411342	Y
4	IC 410-355532/6	2.0	0.784694	10.0	2239063.0	0.392347	Y
5	IC 410-355532/5	5.0	2.002092	10.0	2234583.0	0.400418	Y
6	IC 410-355532/4	10.0	3.645706	10.0	2313272.0	0.364571	Y
7	IC 410-355532/3	25.0	9.975745	10.0	2299711.0	0.39903	Y



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

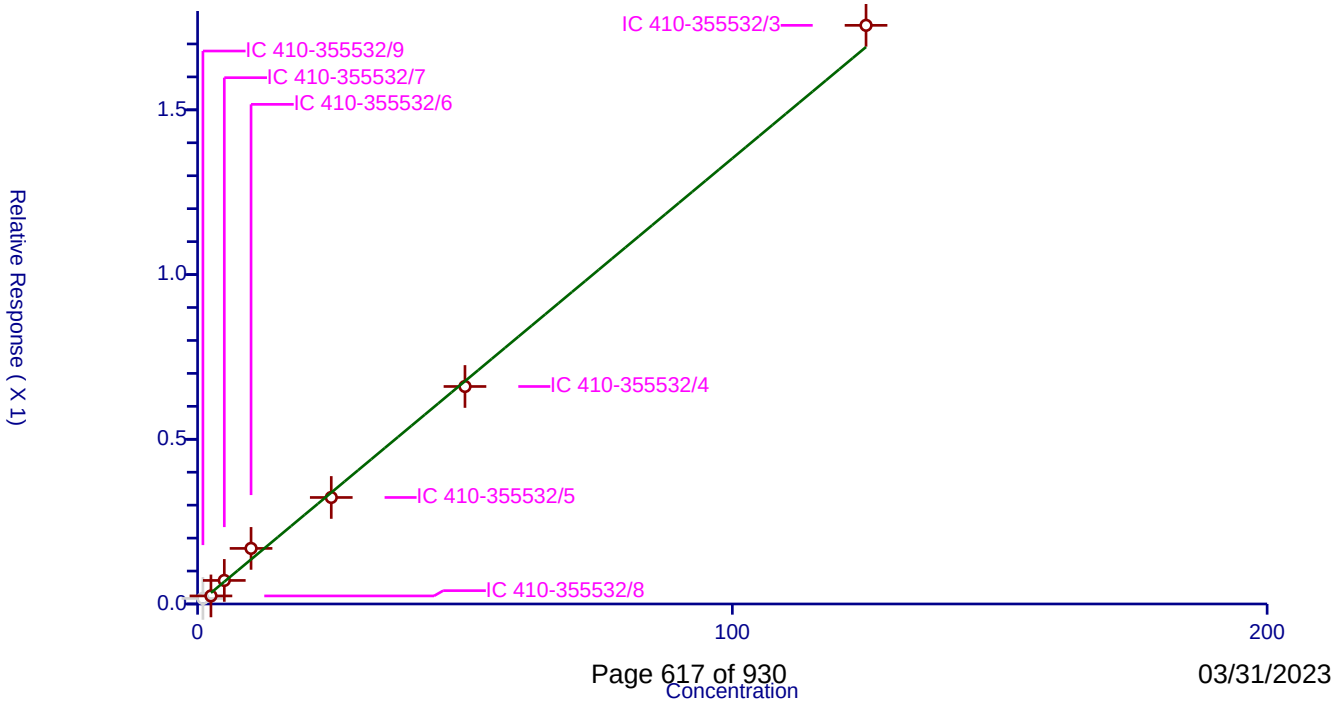
Curve Coefficients

Intercept:	0
Slope:	0.01353

Error Coefficients

Standard Error:	197000
Relative Standard Error:	17.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/9	1.0	0.016875	10.0	2289791.0	0.016875	N
2	IC 410-355532/8	2.5	0.024483	10.0	2267293.0	0.009793	Y
3	IC 410-355532/7	5.0	0.071487	10.0	2273293.0	0.014297	Y
4	IC 410-355532/6	10.0	0.168767	10.0	2239063.0	0.016877	Y
5	IC 410-355532/5	25.0	0.323353	10.0	2234583.0	0.012934	Y
6	IC 410-355532/4	50.0	0.660286	10.0	2313272.0	0.013206	Y
7	IC 410-355532/3	125.0	1.75656	10.0	2299711.0	0.014052	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

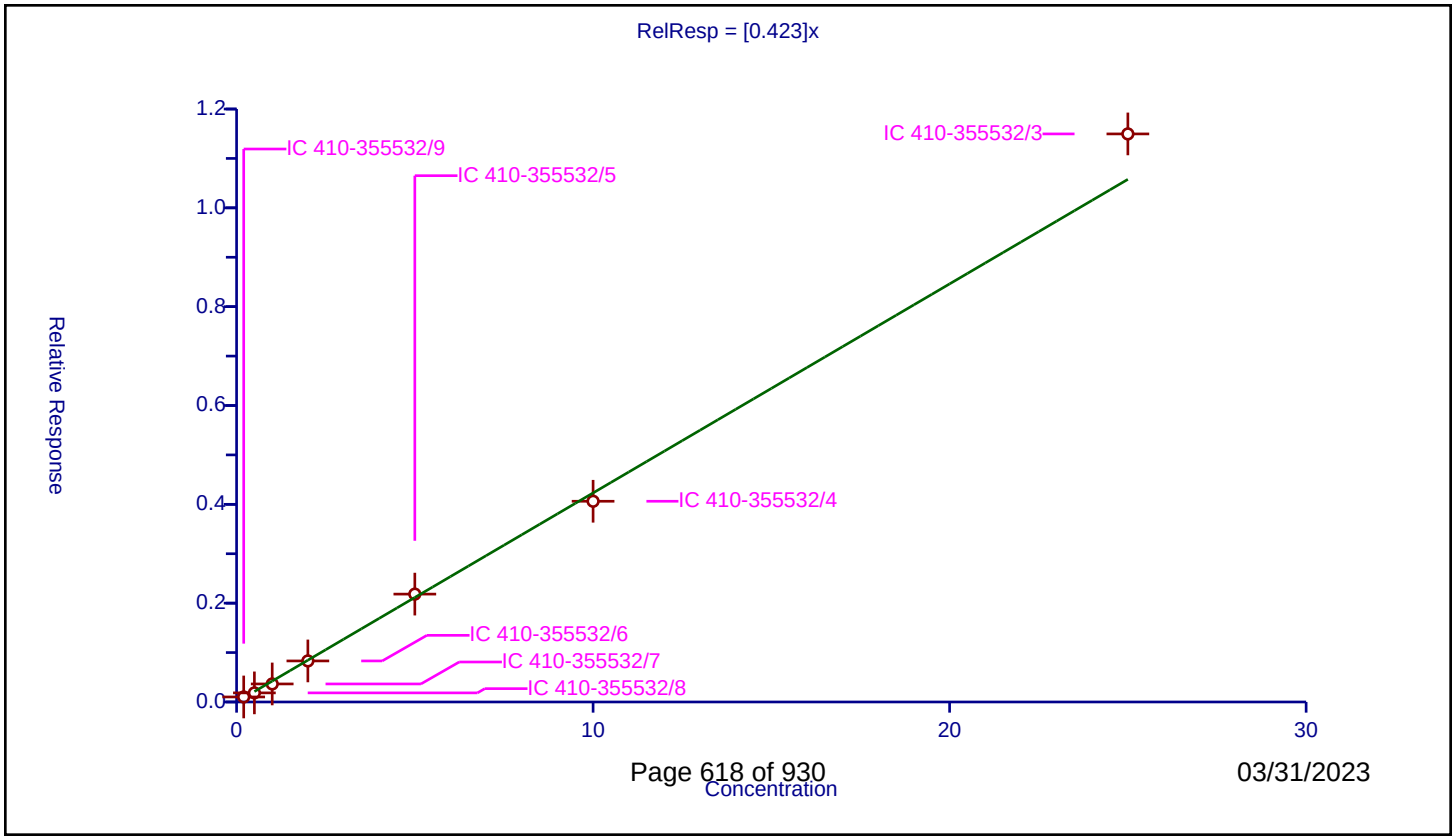
Curve Coefficients

Intercept:	0
Slope:	0.423

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	12.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/9	0.2	0.101874	10.0	2289791.0	0.50937	Y
2	IC 410-355532/8	0.5	0.18448	10.0	2267293.0	0.36896	Y
3	IC 410-355532/7	1.0	0.365043	10.0	2273293.0	0.365043	Y
4	IC 410-355532/6	2.0	0.830615	10.0	2239063.0	0.415308	Y
5	IC 410-355532/5	5.0	2.183056	10.0	2234583.0	0.436611	Y
6	IC 410-355532/4	10.0	4.062103	10.0	2313272.0	0.40621	Y
7	IC 410-355532/3	25.0	11.496179	10.0	2299711.0	0.459847	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

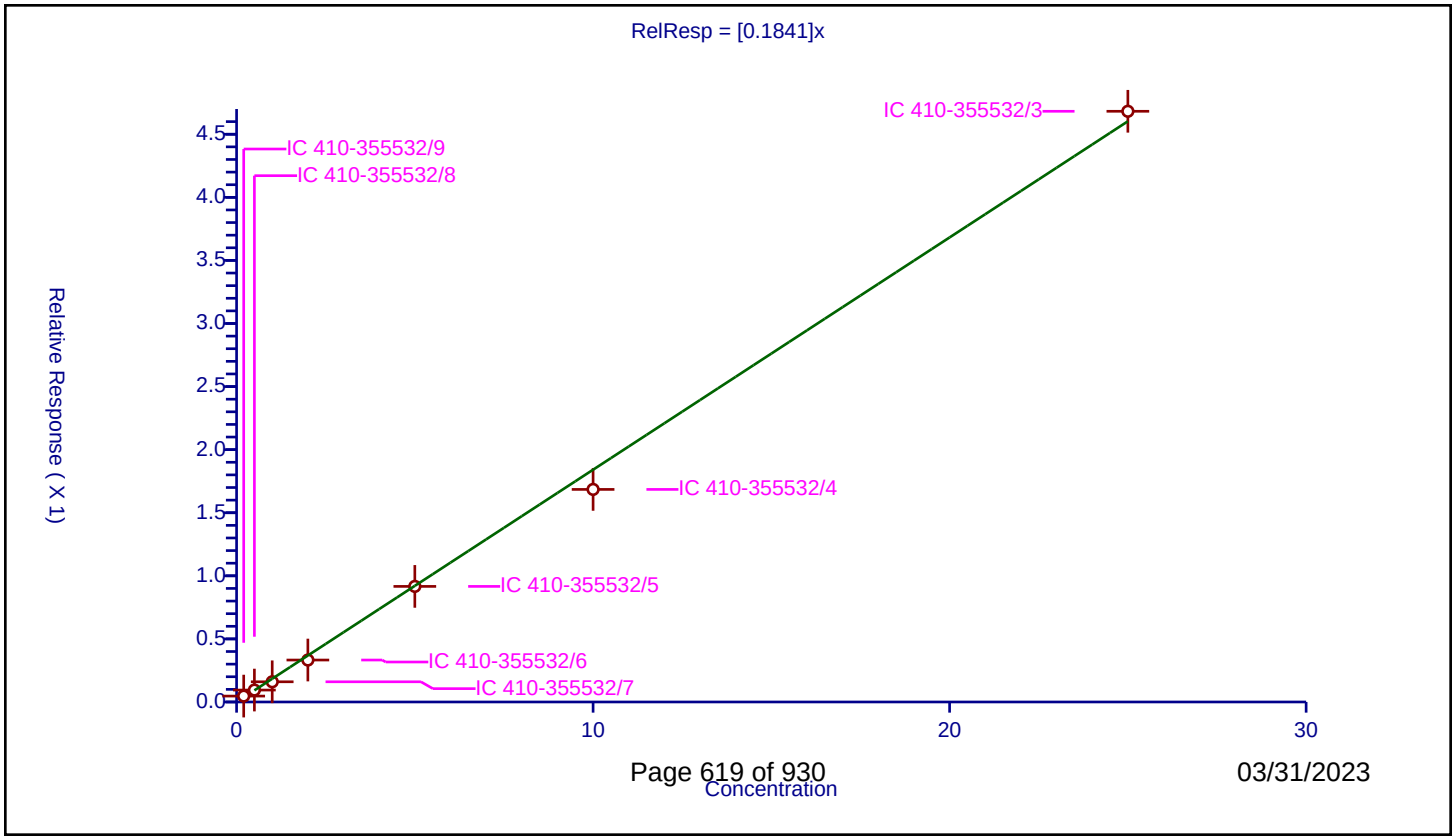
Curve Coefficients

Intercept:	0
Slope:	0.1841

Error Coefficients

Standard Error:	476000
Relative Standard Error:	13.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/9	0.2	0.046847	10.0	2289791.0	0.234235	Y
2	IC 410-355532/8	0.5	0.094589	10.0	2267293.0	0.189177	Y
3	IC 410-355532/7	1.0	0.160063	10.0	2273293.0	0.160063	Y
4	IC 410-355532/6	2.0	0.332505	10.0	2239063.0	0.166253	Y
5	IC 410-355532/5	5.0	0.916225	10.0	2234583.0	0.183245	Y
6	IC 410-355532/4	10.0	1.684856	10.0	2313272.0	0.168486	Y
7	IC 410-355532/3	25.0	4.682119	10.0	2299711.0	0.187285	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

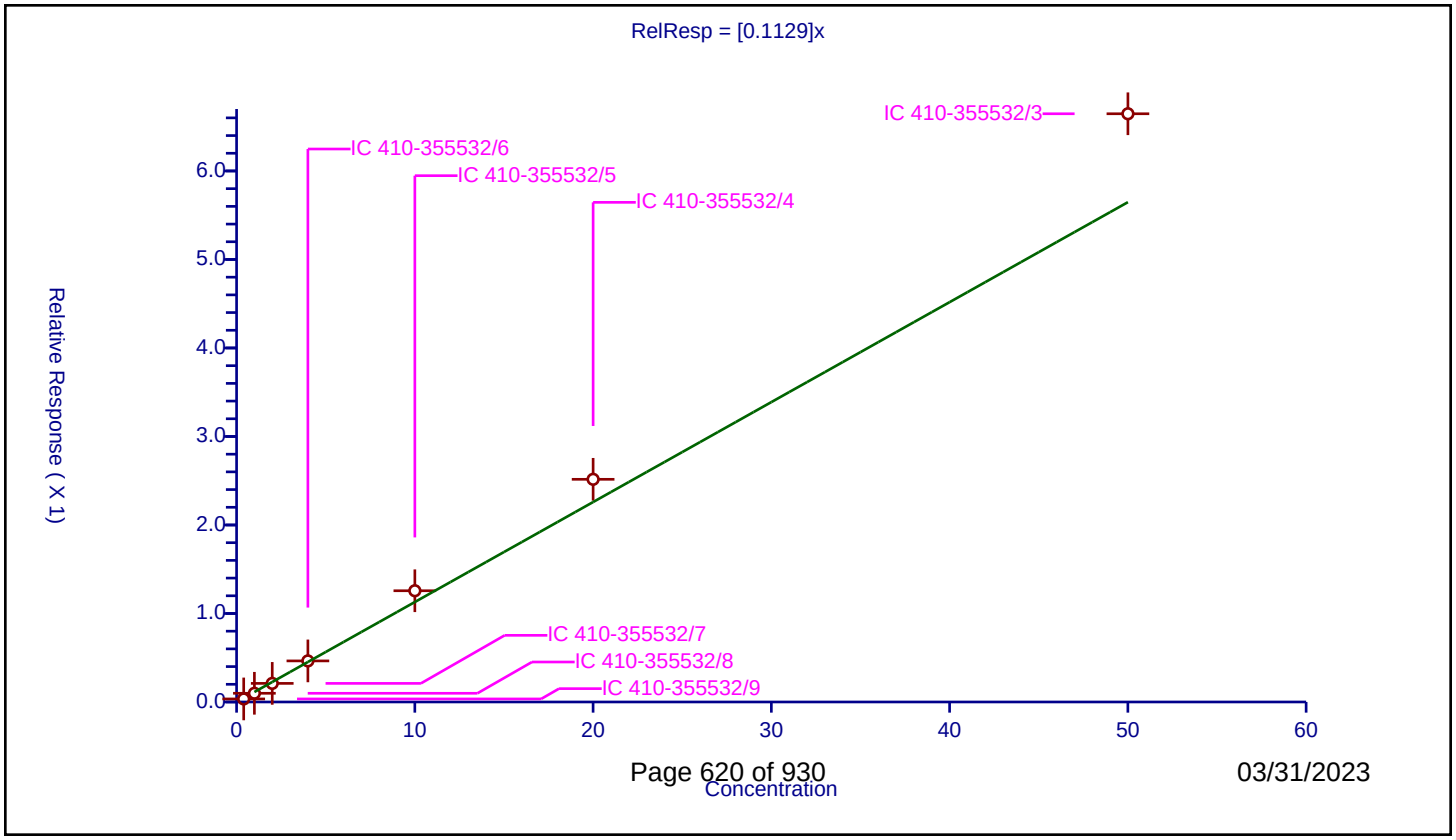
Curve Coefficients

Intercept:	0
Slope:	0.1129

Error Coefficients

Standard Error:	542000
Relative Standard Error:	14.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/9	0.400029	0.034644	10.0	1790184.0	0.086605	Y
2	IC 410-355532/8	1.000073	0.098506	10.0	1772688.0	0.098499	Y
3	IC 410-355532/7	2.000147	0.210233	10.0	1791965.0	0.105109	Y
4	IC 410-355532/6	4.000293	0.464059	10.0	1776972.0	0.116006	Y
5	IC 410-355532/5	10.000734	1.256813	10.0	1744532.0	0.125672	Y
6	IC 410-355532/4	20.001467	2.51607	10.0	1804556.0	0.125794	Y
7	IC 410-355532/3	50.003668	6.646379	10.0	1841869.0	0.132918	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

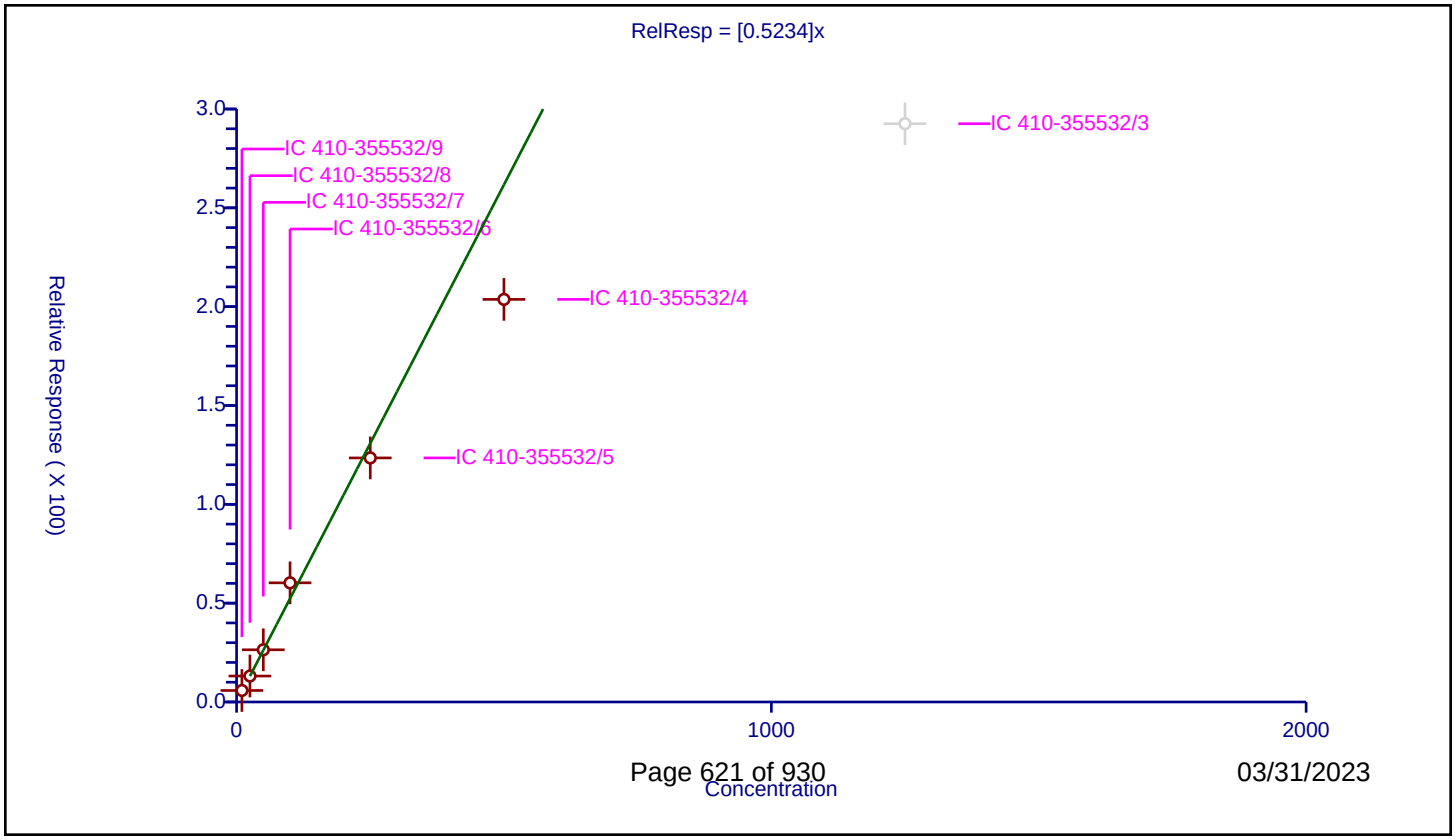
Curve Coefficients

Intercept:	0
Slope:	0.5234

Error Coefficients

Standard Error:	254000
Relative Standard Error:	13.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/9	9.9996	5.825555	50.0	102634.0	0.582579	Y
2	IC 410-355532/8	24.999	13.133398	50.0	105384.0	0.525357	Y
3	IC 410-355532/7	49.998	26.41021	50.0	115497.0	0.528225	Y
4	IC 410-355532/6	99.996	60.285165	50.0	114495.0	0.602876	Y
5	IC 410-355532/5	249.99	123.4776	50.0	100647.0	0.49393	Y
6	IC 410-355532/4	499.98	203.679795	50.0	119667.0	0.407376	Y
7	IC 410-355532/3	1249.95	292.568836	50.0	143275.0	0.234064	N



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-355532/18	IM21X17.D
Level 2	IC 410-355532/17	IM21X16.D
Level 3	IC 410-355532/16	IM21X15.D
Level 4	IC 410-355532/15	IM21X14.D
Level 5	IC 410-355532/14	IM21X13.D
Level 6	ICIS 410-355532/13	IM21X12.D
Level 7	IC 410-355532/12	IM21X11.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	0.3742 0.3872	0.3590 0.3636	0.3691	0.3743	0.3813	Ave		0.3727			0.1000	2.6		20.0			
Chloromethane	0.4537 0.3947	0.4158 0.3730	0.3984	0.4074	0.3852	Ave		0.4040			0.1000	6.4		20.0			
Vinyl chloride	0.4078 0.3908	0.4000 0.3761	0.3949	0.3955	0.3926	Ave		0.3940			0.1000	2.5		20.0			
1,3-Butadiene	0.4168 0.3469	0.3668 0.3386	0.3631	0.3483	0.3426	Ave		0.3604				7.5		20.0			
Bromomethane	0.3175 0.3121	0.3035 0.3028	0.2953	0.3074	0.3006	Ave		0.3056			0.1000	2.4		20.0			
Chloroethane	0.2424 0.2427	0.2401 0.2331	0.2410	0.2404	0.2366	Ave		0.2395			0.1000	1.4		20.0			
Dichlorofluoromethane	0.7096 0.6274	0.6531 0.6073	0.6341	0.6340	0.6241	Ave		0.6414			0.1000	5.2		20.0			
Trichlorofluoromethane	0.6581 0.6748	0.6337 0.5991	0.6275	0.6423	0.6188	Ave		0.6363			0.1000	3.9		20.0			
Ethyl ether	0.2067 0.2116	0.2049 0.2005	0.2078	0.2177	0.2098	Ave		0.2084				2.6		20.0			
Freon 123a	0.3821 0.3549	0.3624 0.3377	0.3529	0.3518	0.3480	Ave		0.3557				3.9		20.0			
Acrolein	2.6184 2.8314	2.4280 2.3185	2.5959	2.9681	2.8117	Ave		2.6531				8.7		20.0			
1,1-Dichloroethene	0.2622 0.2585	0.2710 0.2550	0.2522	0.2522	0.2521	Ave		0.2576			0.1000	2.7		20.0			
Freon 113	0.2851 0.3044	0.2908 0.3001	0.2870	0.2917	0.2934	Ave		0.2932			0.1000	2.4		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.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetone	4.3800 2.9678	3.4912 2.3199	3.1587	3.0631	3.0532	Ave		3.2048			0.1000	19.5		20.0			
Methyl iodide	0.5550 0.5646	0.5841 0.5528	0.5491	0.5457	0.5597	Ave		0.5587				2.3		20.0			
Carbon disulfide	0.7358 0.7307	0.7512 0.7196	0.7000	0.7062	0.7130	Ave		0.7224			0.1000	2.5		20.0			
Methyl acetate	15.851 11.037	9.9295 9.1897	10.713	12.507	11.075	Ave		11.472			0.1000	19.1		20.0			
Allyl chloride	0.4541 0.4319	0.4617 0.4250	0.4117	0.4227	0.4293	Ave		0.4338				4.1		20.0			
Methylene Chloride	0.2732 0.2767	0.2815 0.2675	0.2742	0.2717	0.2714	Ave		0.2737			0.1000	1.6		20.0			
t-Butyl alcohol	1.1005 1.1014	1.2970 0.7890	0.8152	1.0301	1.1608	Ave		1.0420				17.6		20.0			
Acrylonitrile	2.9523 4.3592	3.7461 3.5509	3.8075	4.5309	4.3317	Ave		3.8969				14.2		20.0			
Methyl tertiary butyl ether	0.6635 0.6739	0.6756 0.6367	0.6696	0.6475	0.6697	Ave		0.6624			0.1000	2.2		20.0			
trans-1,2-Dichloroethene	0.3047 0.2856	0.3033 0.2822	0.2885	0.2801	0.2847	Ave		0.2899			0.1000	3.4		20.0			
n-Hexane	0.3378 0.4091	0.3801 0.3995	0.3758	0.3832	0.3927	Ave		0.3826				6.0		20.0			
1,1-Dichloroethane	0.5216 0.5312	0.5232 0.5217	0.5218	0.5313	0.5305	Ave		0.5259			0.2000	0.9		20.0			
di-Isopropyl ether	0.8385 0.8951	0.9014 0.8646	0.8847	0.8738	0.8890	Ave		0.8781				2.4		20.0			
2-Chloro-1,3-butadiene	0.4224 0.4570	0.4511 0.4560	0.4413	0.4368	0.4536	Ave		0.4455				2.8		20.0			
Ethyl t-butyl ether	0.5960 0.6231	0.5872 0.5846	0.6388	0.6057	0.6279	Ave		0.6090				3.5		20.0			
2-Butanone	5.9059 6.4445	5.2245 5.1587	5.7914	6.6337	6.2640	Ave		5.9175			0.1000	9.7		20.0			
cis-1,2-Dichloroethene	0.3059 0.3193	0.3245 0.3165	0.3197	0.3122	0.3197	Ave		0.3168			0.1000	1.9		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.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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								
2,2-Dichloropropane	0.4770 0.4839	0.4884 0.4784	0.4684	0.4760	0.4757	Ave		0.4783				1.3		20.0			
Propionitrile	1.0485 1.5953	1.2906 1.3190	1.4222	1.4613	1.4707	Ave		1.3725				12.8		20.0			
Methacrylonitrile	5.9896 7.0400	5.0783 5.6999	6.0083	7.6633	6.6359	Ave		6.3022				13.8		20.0			
Bromochloromethane	0.1366 0.1521	0.1556 0.1491	0.1460	0.1429	0.1504	Ave		0.1475				4.3		20.0			
Tetrahydrofuran	1.7624 1.9655	1.6796 1.5337	1.8593	1.9874	1.9265	Ave		1.8163				9.2		20.0			
Chloroform	0.5233 0.5464	0.5609 0.5422	0.5379	0.5319	0.5395	Ave		0.5403			0.2000	2.2		20.0			
1,1,1-Trichloroethane	0.4975 0.5193	0.5168 0.5180	0.4986	0.5103	0.5122	Ave		0.5104			0.1000	1.8		20.0			
Cyclohexane	0.4781 0.5045	0.4883 0.4962	0.4723	0.4731	0.4860	Ave		0.4855			0.1000	2.5		20.0			
1,1-Dichloropropene	0.3798 0.4080	0.4033 0.4065	0.3923	0.3925	0.3972	Ave		0.3971				2.5		20.0			
Carbon tetrachloride	0.4367 0.4961	0.4687 0.4964	0.4569	0.4694	0.4829	Ave		0.4724			0.1000	4.6		20.0			
Isobutyl alcohol	0.3905 0.4131	0.4437 0.2860	0.3248	0.3479	0.4062	Ave		0.3732				14.9		20.0			
Benzene	1.1391 1.1616	1.1885 1.1530	1.1542	1.1611	1.1599	Ave		1.1596			0.5000	1.3		20.0			
1,2-Dichloroethane	0.3750 0.3566	0.3619 0.3436	0.3527	0.3460	0.3537	Ave		0.3556			0.1000	3.0		20.0			
t-Amyl methyl ether	0.4676 0.4820	0.4353 0.4496	0.4992	0.4758	0.4807	Ave		0.4700				4.6		20.0			
n-Heptane	0.4147 0.4254	0.3923 0.4188	0.3612	0.3824	0.3970	Ave		0.3988				5.7		20.0			
n-Butanol	+++++ 0.3322	0.2439 0.1981	0.2544	0.2791	0.3125	Ave		0.2700				18.0		20.0			
Trichloroethene	0.3190 0.3267	0.3413 0.3277	0.3198	0.3279	0.3261	Ave		0.3269			0.2000	2.2		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.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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								
Methylcyclohexane	0.5115 0.5661	0.5429 0.5589	0.5085	0.5390	0.5425	Ave		0.5385			0.1000	4.0		20.0			
1,2-Dichloropropane	0.2697 0.3000	0.2927 0.2982	0.2915	0.2948	0.2984	Ave		0.2922			0.1000	3.6		20.0			
Methyl methacrylate	+++++ 14.430	9.6187 12.351	10.612	16.265	13.394	Ave		12.778				19.2		20.0			
Dibromomethane	0.1390 0.1545	0.1487 0.1527	0.1494	0.1504	0.1518	Ave		0.1495				3.4		20.0			
1,4-Dioxane	0.0362 0.0983	0.0820 0.0351	0.1162	0.1235	0.0963	Ave		0.0840			0.0050	42.5	*	20.0			
Bromodichloromethane	0.3626 0.4031	0.3843 0.4018	0.3748	0.3864	0.3981	Ave		0.3873			0.2000	3.9		20.0			
2-Nitropropane	4.6170 5.0861	3.9973 4.2066	4.0833	5.2811	4.6680	Ave		4.5628				10.9		20.0			
cis-1,3-Dichloropropene	0.4123 0.4766	0.4217 0.4746	0.4380	0.4457	0.4626	Ave		0.4474			0.2000	5.6		20.0			
4-Methyl-2-pentanone	16.094 19.899	14.370 16.228	16.343	21.310	18.549	Ave		17.542			0.1000	14.0		20.0			
Toluene	0.9707 1.0049	1.0089 0.9911	1.0027	0.9897	0.9797	Ave		0.9925			0.4000	1.4		20.0			
trans-1,3-Dichloropropene	0.4559 0.5177	0.4548 0.5107	0.4683	0.4701	0.4970	Ave		0.4821			0.1000	5.4		20.0			
Ethyl methacrylate	0.3524 0.3959	0.3795 0.3879	0.3601	0.3558	0.3872	Ave		0.3741				4.7		20.0			
1,1,2-Trichloroethane	0.2616 0.2760	0.2790 0.2650	0.2777	0.2716	0.2694	Ave		0.2715			0.1000	2.4		20.0			
Tetrachloroethene	0.5058 0.5435	0.5531 0.5451	0.5283	0.5302	0.5390	Ave		0.5350			0.2000	2.9		20.0			
1,3-Dichloropropane	0.4336 0.4541	0.4597 0.4412	0.4483	0.4421	0.4535	Ave		0.4475				2.0		20.0			
2-Hexanone	10.866 13.871	9.8482 11.453	11.786	14.829	12.963	Ave		12.231			0.1000	14.3		20.0			
Dibromochloromethane	0.3506 0.4008	0.3614 0.3941	0.3557	0.3662	0.3881	Ave		0.3738				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.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dibromoethane	0.2461 0.2732	0.2645 0.2635	0.2694	0.2589	0.2663	Ave		0.2631			0.1000	3.3		20.0			
1-Chlorohexane	0.6049 0.5756	0.5970 0.5825	0.5466	0.5423	0.5529	Ave		0.5717				4.4		20.0			
Chlorobenzene	1.0915 1.1685	1.1750 1.1595	1.1165	1.1224	1.1521	Ave		1.1408			0.5000	2.7		20.0			
1,1,1,2-Tetrachloroethane	0.3809 0.4387	0.4089 0.4439	0.4172	0.4167	0.4296	Ave		0.4194				5.0		20.0			
Ethylbenzene	1.8582 1.9580	1.9855 1.9732	1.9037	1.8961	1.9541	Ave		1.9327			0.1000	2.4		20.0			
m&p-Xylene	0.7029 0.7841	0.7678 0.8029	0.7713	0.7716	0.7906	Ave		0.7702			0.1000	4.2		20.0			
o-Xylene	0.6986 0.7648	0.7570 0.7900	0.7509	0.7436	0.7660	Ave		0.7530			0.3000	3.7		20.0			
Styrene	1.0358 1.2547	1.1366 1.2857	1.1067	1.1310	1.2251	Ave		1.1680			0.3000	7.7		20.0			
Bromoform	0.2239 0.2670	0.2258 0.2701	0.2309	0.2308	0.2565	Ave		0.2436			0.1000	8.3		20.0			
Isopropylbenzene	1.8424 2.0548	1.9453 2.0698	1.9279	1.9814	2.0144	Ave		1.9766			0.1000	4.0		20.0			
1,1,2,2-Tetrachloroethane	0.5337 0.5688	0.5683 0.5434	0.5508	0.5326	0.5603	Ave		0.5511			0.3000	2.8		20.0			
Bromobenzene	0.8286 0.8392	0.8065 0.8401	0.7951	0.8063	0.8443	Ave		0.8229				2.4		20.0			
trans-1,4-Dichloro-2-butene	6.0532 7.9394	5.1540 7.1108	6.2135	8.5058	7.2718	Ave		6.8926				16.8		20.0			
1,2,3-Trichloropropane	0.1528 0.1622	0.1589 0.1519	0.1538	0.1499	0.1608	Ave		0.1558				3.1		20.0			
N-Propylbenzene	3.2196 3.8451	3.6651 3.7105	3.4752	3.5852	3.7831	Ave		3.6120				5.9		20.0			
2-Chlorotoluene	0.7175 0.8098	0.7730 0.8039	0.7607	0.7882	0.8048	Ave		0.7797				4.2		20.0			
1,3,5-Trimethylbenzene	2.4425 2.8356	2.6843 2.8058	2.6692	2.7035	2.8035	Ave		2.7064				4.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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								
4-Chlorotoluene	0.7006 0.8141	0.7692 0.8214	0.7536	0.7758	0.8120	Ave		0.7781				5.5		20.0			
tert-Butylbenzene	0.6361 0.6988	0.6626 0.6998	0.6388	0.6686	0.6893	Ave		0.6706				4.0		20.0			
Pentachloroethane	0.4408 0.5749	0.4800 0.5709	0.4933	0.5314	0.5490	Ave		0.5200				9.7		20.0			
1,2,4-Trimethylbenzene	2.5182 2.9387	2.7372 2.9121	2.6895	2.7700	2.8920	Ave		2.7797				5.4		20.0			
sec-Butylbenzene	3.1388 3.6833	3.3444 3.5836	3.3044	3.4844	3.5476	Ave		3.4409				5.5		20.0			
1,3-Dichlorobenzene	1.4540 1.6475	1.4870 1.6607	1.4810	1.5081	1.5849	Ave		1.5462			0.6000	5.4		20.0			
p-Isopropyltoluene	2.7864 3.3035	2.9475 3.3133	2.9537	3.0237	3.1911	Ave		3.0742				6.5		20.0			
1,4-Dichlorobenzene	1.4570 1.5725	1.5024 1.5748	1.4495	1.4874	1.5370	Ave		1.5115			0.5000	3.4		20.0			
1,2,3-Trimethylbenzene	1.2765 1.3128	1.2992 1.3243	1.2159	1.2708	1.2980	Ave		1.2853				2.8		20.0			
Benzyl chloride	0.1647 0.2482	0.1937 0.2491	0.2091	0.2164	0.2402	Ave		0.2173				14.4		20.0			
n-Butylbenzene	1.1609 1.5078	1.2278 1.5676	1.2443	1.3104	1.4343	Ave		1.3504				11.4		20.0			
1,2-Dichlorobenzene	1.3729 1.5462	1.4815 1.5399	1.3893	1.4417	1.5031	Ave		1.4678			0.4000	4.7		20.0			
1,2-Dibromo-3-Chloropropane	0.0773 0.0980	0.0946 0.0925	0.0919	0.0846	0.0944	Ave		0.0905			0.0500	7.9		20.0			
1,3,5-Trichlorobenzene	1.0452 1.2547	1.1112 1.2929	1.1236	1.1498	1.2210	Ave		1.1712				7.5		20.0			
1,2,4-Trichlorobenzene	0.8287 1.0329	0.8846 1.0282	0.8933	0.9354	0.9900	Ave		0.9419			0.2000	8.3		20.0			
Hexachlorobutadiene	0.5583 0.5615	0.5356 0.5713	0.5082	0.5185	0.5306	Ave		0.5406				4.4		20.0			
Naphthalene	1.7363 1.8567	1.6832 1.6717	1.7860	1.7149	1.8248	Ave		1.7534				4.0		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.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.8100 0.9170	0.8102 0.8691	0.8453	0.8472	0.8877	Ave		0.8552				4.6		20.0			
Dibromofluoromethane (Surr)	0.2625 0.2665	0.2665 0.2630	0.2682	0.2628	0.2650	Ave		0.2649				0.8		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0499 0.0496	0.0513 0.0483	0.0514	0.0509	0.0504	Ave		0.0503				2.2		20.0			
Toluene-d8 (Surr)	1.2952 1.2832	1.3032 1.2717	1.2875	1.2862	1.2844	Ave		1.2874				0.8		20.0			
4-Bromofluorobenzene (Surr)	0.4684 0.4714	0.4719 0.4761	0.4685	0.4638	0.4648	Ave		0.4693				0.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-355532/18	IM21X17.D
Level 2	IC 410-355532/17	IM21X16.D
Level 3	IC 410-355532/16	IM21X15.D
Level 4	IC 410-355532/15	IM21X14.D
Level 5	IC 410-355532/14	IM21X13.D
Level 6	ICIS 410-355532/13	IM21X12.D
Level 7	IC 410-355532/12	IM21X11.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	17110 922225	41469 2189447	86495	175844	455174	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	20747 940151	48039 2246458	93366	191397	459776	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	18650 930903	46214 2265037	92540	185810	468573	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	19058 826233	42370 2039072	85079	163666	408978	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	14521 743346	35058 1823508	69186	144456	358762	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	11084 577982	27735 1403631	56481	112973	282374	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	32448 1494327	75447 3657101	148598	297881	745004	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	30095 1607262	73208 3607774	147043	301784	738690	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	9452 503956	23667 1207355	48693	102296	250383	0.200 10.00	0.500 25.0	1.000	2.00	5.00
Freon 123a	FB	Ave	17475 845381	41867 2033587	82703	165285	415383	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd 10	Ave	66213 3424553	186326 8179515	347847	579612	1760321	10.00 500	25.0 1250	50.0	100.0	250
1,1-Dichloroethene	FB	Ave	11991 615600	31308 1535483	59105	118520	300931	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Freon 113	FB	Ave	13036 725110	33597 1807499	67263	137039	350208	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Acetone	TBAd10	Ave	22153 717958	53587 1636994	84658	119641	382327	2.00 100	5.00 250	10.0	20.0	50.0
Methyl iodide	FB	Ave	25378 1344711	67478 3329342	128674	256394	668087	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon disulfide	FB	Ave	33647 1740418	86787 4333479	164019	331819	851050	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd10	Ave	8017 266996	15241 648459	28713	48849	138687	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	20765 1028696	53339 2559531	96478	198621	512382	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	12493 659101	32518 1610741	64247	127652	323924	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd10	Ave	11132 532907	39817 1113473	43696	80472	290719	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd10	Ave	3733 263633	14375 626404	25512	44242	135604	0.500 25.0	1.25 62.5	2.50	5.00	12.5
Methyl tertiary butyl ether	FB	Ave	30341 1605079	78046 3834437	156908	304226	799391	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,2-Dichloroethene	FB	Ave	13932 680341	35040 1699518	67605	131610	339868	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	15447 974283	43907 2406168	88054	180035	468791	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	23853 1265159	60447 3141696	122273	249646	633253	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	38342 2131812	104135 5206924	207307	410537	1061122	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	19317 1088422	52111 2745997	103414	205252	541494	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	27255 1484132	67835 3520601	149693	284598	749516	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone	TBAd10	Ave	29871	80192	155219	259100	784382	2.00	5.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
			1559003	3640194				100	250			
cis-1,2-Dichloroethene	FB	Ave	13988 760484	37492 1905843	74915	146693	381596	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	21814 1152650	56427 2881260	109766	223631	567765	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Propionitrile	TBAd 10	Ave	10606 771867	39618 1861462	76235	114151	368330	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd 10	Ave	30294 1703050	77948 4022032	161032	299318	830959	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	6246 362331	17972 897716	34201	67134	179484	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd 10	Ave	4457 237735	12890 541115	24916	38813	120622	1.00 50.0	2.50 125	5.00	10.0	25.0
Chloroform	FB	Ave	23932 1301472	64800 3265115	126047	249917	643977	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	22751 1236794	59704 3119313	116847	239759	611388	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	21863 1201687	56413 2988278	110675	222305	580173	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	17369 971752	46595 2448000	91929	184421	474125	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	19970 1181687	54150 2989237	107065	220533	576461	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	TBAd 10	Ave	9875 499620	34050 1009122	43526	67949	254297	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	52092 2766730	137309 6943624	270461	545546	1384537	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	17147 849419	41807 2069077	82648	162578	422172	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	21381 1148066	50293 2707902	116974	223543	573757	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	18966	45320	84633	179673	473866	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
			1013268	2521926				10.0	25.0			
n-Butanol	TBAd 10	Ave	+++++ 703258	32752 1223254	59654	95379	342450	+++++ 875	43.8 2188	87.5	175	438
Trichloroethene	FB	Ave	14586 778206	39424 1973657	74939	154058	389301	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	23390 1348244	62717 3365809	119159	253260	647571	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	12331 714552	33813 1795772	68300	138522	356169	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl methacrylate	TBAd 10	Ave	+++++ 349068	14764 871510	28442	63530	167724	+++++ 10.0	0.500 25.0	1.00	2.00	5.00
Dibromomethane	FB	Ave	6355 368087	17182 919481	35015	70654	181241	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dioxane	TBAd 10	Ave	915 118927	6296 123866	15576	24121	60319	10.0 500	25.0 1250	50.0	100	250
Bromodichloromethane	FB	Ave	16582 960002	44403 2419702	87831	181572	475184	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBAd 10	Ave	11676 615199	30678 1484170	54719	103136	292267	1.00 50.0	2.50 125	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	18856 1135243	48720 2858052	102636	209411	552133	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone	TBAd 10	Ave	81398 4813730	220574 11451372	438008	832319	2322697	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd 5	Ave	34373 1895806	89746 4797042	182395	365184	923872	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd 5	Ave	16145 976681	40458 2471995	85183	173460	468676	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd 5	Ave	12480	33758	65507	131292	365161	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
			746956	1877330				10.0	25.0			
1,1,2-Trichloroethane	CBZd 5	Ave	9264 520789	24817 1282563	50506	100211	253999	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrachloroethene	CBZd 5	Ave	17910 1025277	49201 2638237	96104	195634	508265	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichloropropane	CBZd 5	Ave	15353 856612	40890 2135286	81544	163140	427645	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Hexanone	TBAd 10	Ave	54958 3355456	151162 8081494	315875	579187	1623206	2.00 100	5.00 250	10.0	20.0	50.0
Dibromochloromethane	CBZd 5	Ave	12415 756162	32144 1907545	64701	135111	365950	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromoethane	CBZd 5	Ave	8713 515479	23525 1275224	48995	95514	251158	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1-Chlorohexane	CBZd 5	Ave	21421 1085890	53107 2819454	99428	200092	521339	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chlorobenzene	CBZd 5	Ave	38651 2204397	104524 5612245	203081	414157	1086370	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd 5	Ave	13488 827659	36378 2148564	75882	153746	405063	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd 5	Ave	65799 3694009	176617 9550470	346280	699641	1842666	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd 5	Ave	49779 2958705	136602 7772437	280576	569407	1490951	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd 5	Ave	24739	67339	136591	274369	722330	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
			1442929	3823654				10.0	25.0			
Styrene	CBZd 5	Ave	36677 2367152	101109 6222891	201308	417331	1155265	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromoform	CBZd 5	Ave	7927 503660	20086 1307321	41999	85160	241884	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isopropylbenzene	CBZd 5	Ave	65240 3876560	173040 10017939	350685	731109	1899553	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	11706 665065	31254 1684823	62163	120006	325780	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromobenzene	DCBd 4	Ave	18174 981240	44356 2604838	89737	181668	490923	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	TBAd 10	Ave	30616 1920626	79110 5017664	166532	332224	910577	2.00 100	5.00 250	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	3351 189700	8741 471063	17353	33764	93500	0.200 10.0	0.500 25.0	1.00	2.00	5.00
N-Propylbenzene	DCBd 4	Ave	70616 4495847	201563 11504700	392220	807760	2199783	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chlorotoluene	DCBd 4	Ave	15738 946897	42512 2492610	85856	177588	467982	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd 4	Ave	53572 3315484	147622 8699547	301256	609124	1630191	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Chlorotoluene	DCBd 4	Ave	15367 951822	42302 2546778	85059	174789	472147	0.200 10.0	0.500 25.0	1.00	2.00	5.00
tert-Butylbenzene	DCBd 4	Ave	13951	36437	72093	150650	400832	0.200	0.500	1.00	2.00	5.00

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
			817068	2169810				10.0	25.0			
Pentachloroethane	DCBd 4	Ave	9669 672224	26396 1770213	55674	119732	319216	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd 4	Ave	55233 3435975	150530 9029284	303547	624102	1681631	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd 4	Ave	68845 4306580	183924 11111339	372950	785059	2062828	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichlorobenzene	DCBd 4	Ave	31892 1926286	81779 5148991	167155	339776	921590	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd 4	Ave	61116 3862618	162097 10273099	333364	681258	1855523	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd 4	Ave	31956 1838618	82622 4882929	163590	335121	893710	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd 4	Ave	27998 1534921	71447 4105948	137229	286323	754758	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd 4	Ave	3612 290235	10655 772337	23595	48767	139656	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd 4	Ave	25462 1762970	67525 4860363	140431	295236	833984	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd 4	Ave	30112 1807906	81474 4774475	156806	324822	874011	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1695 114580	5204 286713	10369	19053	54876	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd 4	Ave	22925	61109	126816	259052	709964	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
			1467042	4008610				10.0	25.0			
1,2,4-Trichlorobenzene	DCBd 4	Ave	18177 1207739	48648 3188084	100826	210756	575676	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Hexachlorobutadiene	DCBd 4	Ave	12245 656545	29455 1771421	57361	116814	308531	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Naphthalene	DCBd 4	Ave	38082 2170950	92567 5183365	201570	386386	1061065	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trichlorobenzene	DCBd 4	Ave	17765 1072140	44557 2694710	95399	190876	516164	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromofluoromethane (Surr)	FB	Ave	600251 634684	615761 633661	628564	617342	632686	10.0 10.0	10.0 10.0	10.0	10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	114034 118206	118620 116302	120346	119524	120327	10.0 10.0	10.0 10.0	10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd 5	Ave	2293084 2420949	2318546 2462175	2341910	2373030	2422302	10.0 10.0	10.0 10.0	10.0	10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	829348 889396	839517 921757	852245	855599	876575	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-355532/18	IM21X17.D
Level 2	IC 410-355532/17	IM21X16.D
Level 3	IC 410-355532/16	IM21X15.D
Level 4	IC 410-355532/15	IM21X14.D
Level 5	IC 410-355532/14	IM21X13.D
Level 6	ICIS 410-355532/13	IM21X12.D
Level 7	IC 410-355532/12	IM21X11.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	0.4 -2.4	-3.7	-0.9	0.4	2.3	3.9	50 30	30	30	30	30	30
Chloromethane	12.3 -7.7	2.9	-1.4	0.8	-4.7	-2.3	50 30	30	30	30	30	30
Vinyl chloride	3.5 -4.5	1.5	0.2	0.4	-0.4	-0.8	50 30	30	30	30	30	30
1,3-Butadiene	15.6 -6.1	1.8	0.7	-3.4	-4.9	-3.8	50 30	30	30	30	30	30
Bromomethane	3.9 -0.9	-0.7	-3.4	0.6	-1.6	2.1	50 30	30	30	30	30	30
Chloroethane	1.2 -2.7	0.3	0.7	0.4	-1.2	1.3	50 30	30	30	30	30	30
Dichlorofluoromethane	10.6 -5.3	1.8	-1.1	-1.2	-2.7	-2.2	50 30	30	30	30	30	30
Trichlorofluoromethane	3.4 -5.9	-0.4	-1.4	0.9	-2.7	6.0	50 30	30	30	30	30	30
Ethyl ether	-0.8 -3.8	-1.7	-0.3	4.5	0.6	1.5	50 30	30	30	30	30	30
Freon 123a	7.4 -5.1	1.9	-0.8	-1.1	-2.2	-0.2	50 30	30	30	30	30	30
Acrolein	-1.3 -12.6	-8.5	-2.2	11.9	6.0	6.7	50 30	30	30	30	30	30
1,1-Dichloroethene	1.8 -1.0	5.2	-2.1	-2.1	-2.1	0.3	50 30	30	30	30	30	30
Freon 113	-2.8 2.4	-0.8	-2.1	-0.5	0.1	3.8	50 30	30	30	30	30	30
Acetone	36.7 -27.6	8.9	-1.4	-4.4	-4.7	-7.4	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methyl iodide	-0.7 -1.1	4.5	-1.7	-2.3	0.2	1.1	50 30	30	30	30	30	30
Carbon disulfide	1.9 -0.4	4.0	-3.1	-2.2	-1.3	1.2	50 30	30	30	30	30	30
Methyl acetate	38.2 -19.9	-13.4	-6.6	9.0	-3.5	-3.8	50 30	30	30	30	30	30
Allyl chloride	4.7 -2.0	6.4	-5.1	-2.5	-1.0	-0.4	50 30	30	30	30	30	30
Methylene Chloride	-0.2 -2.3	2.8	0.2	-0.7	-0.9	1.1	50 30	30	30	30	30	30
t-Butyl alcohol	5.6 -24.3	24.5	-21.8	-1.1	11.4	5.7	50 30	30	30	30	30	30
Acrylonitrile	-24.2 -8.9	-3.9	-2.3	16.3	11.2	11.9	50 30	30	30	30	30	30
Methyl tertiary butyl ether	0.2 -3.9	2.0	1.1	-2.2	1.1	1.7	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	5.1 -2.6	4.6	-0.5	-3.4	-1.8	-1.5	50 30	30	30	30	30	30
n-Hexane	-11.7 4.4	-0.7	-1.8	0.2	2.7	6.9	50 30	30	30	30	30	30
1,1-Dichloroethane	-0.8 -0.8	-0.5	-0.8	1.0	0.9	1.0	50 30	30	30	30	30	30
di-Isopropyl ether	-4.5 -1.5	2.6	0.7	-0.5	1.2	1.9	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-5.2 2.4	1.3	-0.9	-1.9	1.8	2.6	50 30	30	30	30	30	30
Ethyl t-butyl ether	-2.1 -4.0	-3.6	4.9	-0.5	3.1	2.3	50 30	30	30	30	30	30
2-Butanone	-0.2 -12.8	-11.7	-2.1	12.1	5.9	8.9	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-3.5 -0.1	2.4	0.9	-1.5	0.9	0.8	50 30	30	30	30	30	30
2,2-Dichloropropane	-0.3 0.0	2.1	-2.1	-0.5	-0.5	1.2	50 30	30	30	30	30	30
Propionitrile	-23.6 -3.9	-6.0	3.6	6.5	7.2	16.2	50 30	30	30	30	30	30
Methacrylonitrile	-5.0 -9.6	-19.4	-4.7	21.6	5.3	11.7	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
Bromochloromethane	-7.4 1.1	5.5	-1.1	-3.1	1.9	3.1	50 30	30	30	30	30	30
Tetrahydrofuran	-3.0 -15.6	-7.5	2.4	9.4	6.1	8.2	50 30	30	30	30	30	30
Chloroform	-3.1 0.3	3.8	-0.4	-1.6	-0.1	1.1	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-2.5 1.5	1.3	-2.3	0.0	0.4	1.7	50 30	30	30	30	30	30
Cyclohexane	-1.5 2.2	0.6	-2.7	-2.6	0.1	3.9	50 30	30	30	30	30	30
1,1-Dichloropropene	-4.3 2.4	1.6	-1.2	-1.2	0.0	2.7	50 30	30	30	30	30	30
Carbon tetrachloride	-7.6 5.1	-0.8	-3.3	-0.7	2.2	5.0	50 30	30	30	30	30	30
Isobutyl alcohol	4.6 -23.4	18.9	-13.0	-6.8	8.8	10.7	50 30	30	30	30	30	30
Benzene	-1.8 -0.6	2.5	-0.5	0.1	0.0	0.2	50 30	30	30	30	30	30
1,2-Dichloroethane	5.4 -3.4	1.8	-0.8	-2.7	-0.5	0.3	50 30	30	30	30	30	30
t-Amyl methyl ether	-0.5 -4.3	-7.4	6.2	1.2	2.3	2.6	50 30	30	30	30	30	30
n-Heptane	4.0 5.0	-1.6	-9.4	-4.1	-0.5	6.7	50 30	30	30	30	30	30
n-Butanol	+++++ -26.6	-9.7	-5.8	3.3	15.7	23.0	 30	50	30	30	30	30
Trichloroethene	-2.4 0.2	4.4	-2.2	0.3	-0.2	-0.1	50 30	30	30	30	30	30
Methylcyclohexane	-5.0 3.8	0.8	-5.6	0.1	0.7	5.1	50 30	30	30	30	30	30
1,2-Dichloropropane	-7.7 2.1	0.2	-0.2	0.9	2.1	2.7	50 30	30	30	30	30	30
Methyl methacrylate	+++++ -3.3	-24.7	-17.0	27.3	4.8	12.9	 30	50	30	30	30	30
Dibromomethane	-7.0 2.1	-0.5	-0.1	0.6	1.6	3.4	50 30	30	30	30	30	30
1,4-Dioxane	-56.9 * -58.2 *	-2.3	38.4 *	47.1 *	14.7	17.1	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
Bromodichloromethane	-6.4 3.7	-0.8	-3.2	-0.2	2.8	4.1	50 30	30	30	30	30	30
2-Nitropropane	1.2 -7.8	-12.4	-10.5	15.7	2.3	11.5	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-7.8 6.1	-5.7	-2.1	-0.4	3.4	6.5	50 30	30	30	30	30	30
4-Methyl-2-pentanone	-8.3 -7.5	-18.1	-6.8	21.5	5.7	13.4	50 30	30	30	30	30	30
Toluene	-2.2 -0.1	1.6	1.0	-0.3	-1.3	1.2	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-5.4 5.9	-5.7	-2.9	-2.5	3.1	7.4	50 30	30	30	30	30	30
Ethyl methacrylate	-5.8 3.7	1.4	-3.7	-4.9	3.5	5.8	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-3.6 -2.4	2.8	2.3	0.0	-0.8	1.7	50 30	30	30	30	30	30
Tetrachloroethene	-5.5 1.9	3.4	-1.2	-0.9	0.7	1.6	50 30	30	30	30	30	30
1,3-Dichloropropane	-3.1 -1.4	2.7	0.2	-1.2	1.3	1.5	50 30	30	30	30	30	30
2-Hexanone	-11.2 -6.4	-19.5	-3.6	21.2	6.0	13.4	50 30	30	30	30	30	30
Dibromochloromethane	-6.2 5.4	-3.3	-4.8	-2.1	3.8	7.2	50 30	30	30	30	30	30
1,2-Dibromoethane	-6.5 0.1	0.5	2.4	-1.6	1.2	3.8	50 30	30	30	30	30	30
1-Chlorohexane	5.8 1.9	4.4	-4.4	-5.1	-3.3	0.7	50 30	30	30	30	30	30
Chlorobenzene	-4.3 1.6	3.0	-2.1	-1.6	1.0	2.4	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-9.2 5.8	-2.5	-0.5	-0.7	2.4	4.6	50 30	30	30	30	30	30
Ethylbenzene	-3.9 2.1	2.7	-1.5	-1.9	1.1	1.3	50 30	30	30	30	30	30
m&p-Xylene	-8.7 4.3	-0.3	0.1	0.2	2.6	1.8	50 30	30	30	30	30	30
o-Xylene	-7.2 4.9	0.5	-0.3	-1.3	1.7	1.6	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 Envirc Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
Styrene	-11.3 10.1	-2.7	-5.2	-3.2	4.9	7.4	50 30	30	30	30	30	30
Bromoform	-8.1 10.9	-7.3	-5.2	-5.2	5.3	9.6	50 30	30	30	30	30	30
Isopropylbenzene	-6.8 4.7	-1.6	-2.5	0.2	1.9	4.0	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-3.2 -1.4	3.1	-0.1	-3.4	1.7	3.2	50 30	30	30	30	30	30
Bromobenzene	0.7 2.1	-2.0	-3.4	-2.0	2.6	2.0	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-12.2 3.2	-25.2	-9.9	23.4	5.5	15.2	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-1.9 -2.5	2.0	-1.3	-3.8	3.2	4.2	50 30	30	30	30	30	30
N-Propylbenzene	-10.9 2.7	1.5	-3.8	-0.7	4.7	6.5	50 30	30	30	30	30	30
2-Chlorotoluene	-8.0 3.1	-0.9	-2.4	1.1	3.2	3.9	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-9.7 3.7	-0.8	-1.4	-0.1	3.6	4.8	50 30	30	30	30	30	30
4-Chlorotoluene	-10.0 5.6	-1.1	-3.1	-0.3	4.4	4.6	50 30	30	30	30	30	30
tert-Butylbenzene	-5.1 4.4	-1.2	-4.7	-0.3	2.8	4.2	50 30	30	30	30	30	30
Pentachloroethane	-15.2 9.8	-7.7	-5.1	2.2	5.6	10.6	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-9.4 4.8	-1.5	-3.2	-0.3	4.0	5.7	50 30	30	30	30	30	30
sec-Butylbenzene	-8.8 4.1	-2.8	-4.0	1.3	3.1	7.0	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-6.0 7.4	-3.8	-4.2	-2.5	2.5	6.6	50 30	30	30	30	30	30
p-Isopropyltoluene	-9.4 7.8	-4.1	-3.9	-1.6	3.8	7.5	50 30	30	30	30	30	30
1,4-Dichlorobenzene	-3.6 4.2	-0.6	-4.1	-1.6	1.7	4.0	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-0.7 3.0	1.1	-5.4	-1.1	1.0	2.1	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Envirc Job No.: 410-119839-1 Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
Benzyl chloride	-24.2 14.6	-10.9	-3.8	-0.4	10.5	14.2	50 30	30	30	30	30	30
n-Butylbenzene	-14.0 16.1	-9.1	-7.9	-3.0	6.2	11.7	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-6.5 4.9	0.9	-5.3	-1.8	2.4	5.3	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-14.6 2.2	4.6	1.6	-6.5	4.3	8.3	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-10.8 10.4	-5.1	-4.1	-1.8	4.3	7.1	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-12.0 9.2	-6.1	-5.2	-0.7	5.1	9.7	50 30	30	30	30	30	30
Hexachlorobutadiene	3.3 5.7	-0.9	-6.0	-4.1	-1.8	3.9	50 30	30	30	30	30	30
Naphthalene	-1.0 -4.7	-4.0	1.9	-2.2	4.1	5.9	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-5.3 1.6	-5.3	-1.2	-0.9	3.8	7.2	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.9 -0.7	0.6	1.2	-0.8	0.0	0.6	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-0.8 -3.9	2.2	2.2	1.2	0.3	-1.2	50 30	30	30	30	30	30
Toluene-d8 (Surr)	0.6 -1.2	1.2	0.0	-0.1	-0.2	-0.3	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.2 1.5	0.6	-0.2	-1.2	-1.0	0.5	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X11.D
Lims ID: IC std7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 21-Mar-2023 04:01:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079468-012
Operator ID: mec29284 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 21-Mar-2023 17:37:31 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 15:42:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	2189447	25.0	24.4	
4 Chloromethane	50	2.099	2.087	0.012	99	2246458	25.0	23.1	
5 Vinyl chloride	62	2.209	2.203	0.006	98	2265037	25.0	23.9	
6 Butadiene	39	2.215	2.209	0.006	95	2039072	25.0	23.5	
7 Bromomethane	94	2.532	2.526	0.006	92	1823508	25.0	24.8	
8 Chloroethane	64	2.611	2.599	0.012	99	1403631	25.0	24.3	
9 Dichlorofluoromethane	67	2.843	2.837	0.006	98	3657101	25.0	23.7	
10 Trichlorofluoromethane	101	2.910	2.898	0.012	98	3607774	25.0	23.5	
11 Ethyl ether	59	3.141	3.135	0.006	92	1207355	25.0	24.0	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.233	3.227	0.006	89	2033587	25.0	23.7	
14 Acrolein	56	3.300	3.306	-0.006	99	8179515	1249.9	1092.3	
15 1,1-Dichloroethene	96	3.446	3.434	0.012	98	1535483	25.0	24.7	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.489	3.477	0.012	91	1807499	25.0	25.6	
16 Acetone	43	3.470	3.477	-0.007	98	1636994	250.0	181.0	
18 Iodomethane	142	3.635	3.629	0.006	100	3329342	25.0	24.7	
19 Ethyl bromide	108	3.659	3.660	-0.001	100	1427207	25.0	24.6	
20 Carbon disulfide	76	3.745	3.733	0.012	100	4333479	25.0	24.9	
23 Methyl acetate	43	3.873	3.879	-0.006	97	648459	25.0	20.0	M
24 3-Chloro-1-propene	41	3.903	3.897	0.006	88	2559531	25.0	24.5	
25 Methylene Chloride	84	4.086	4.086	0.000	93	1610741	25.0	24.4	
* 26 t-Butyl alcohol-d10 (IS)	65	4.147	4.166	-0.019	99	141127	50.0	50.0	
27 2-Methyl-2-propanol	59	4.239	4.263	-0.024	99	1113473	500.0	378.6	
28 Acrylonitrile	53	4.415	4.416	-0.001	96	626404	62.5	56.9	
29 Methyl tert-butyl ether	73	4.482	4.477	0.005	97	3834437	25.0	24.0	
30 trans-1,2-Dichloroethene	96	4.495	4.495	0.000	98	1699518	25.0	24.3	
31 Hexane	57	4.921	4.915	0.006	95	2406168	25.0	26.1	
32 1,1-Dichloroethane	63	5.153	5.147	0.006	96	3141696	25.0	24.8	
35 Isopropyl ether	45	5.220	5.214	0.006	91	5206924	25.0	24.6	
36 2-Chloro-1,3-butadiene	53	5.263	5.263	0.000	94	2745997	25.0	25.6	
37 Tert-butyl ethyl ether	59	5.751	5.751	0.000	97	3520601	25.0	24.0	
38 2-Butanone (MEK)	43	5.952	5.958	-0.006	100	3640194	250.0	217.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	5.988	5.982	0.006	83	1905843	25.0	25.0	
40 2,2-Dichloropropane	77	6.007	5.995	0.012	88	2881260	25.0	25.0	
43 Propionitrile	54	6.049	6.056	-0.007	98	1861462	500.0	480.5	
S 41 1,2-Dichloroethene, Total	100				0			49.3	
45 Methacrylonitrile	67	6.257	6.244	0.013	93	4022032	250.0	226.1	
46 Chlorobromomethane	128	6.324	6.318	0.006	90	897716	25.0	25.3	
47 Tetrahydrofuran	71	6.336	6.330	0.006	79	541115	125.0	105.5	
48 Chloroform	83	6.470	6.464	0.006	94	3265115	25.0	25.1	
$ 49 Dibromofluoromethane (Surr)	113	6.683	6.677	0.006	94	633661	10.0	9.93	
50 1,1,1-Trichloroethane	97	6.695	6.690	0.005	99	3119313	25.0	25.4	
51 Cyclohexane	56	6.799	6.793	0.006	92	2988278	25.0	25.6	
53 1,1-Dichloropropene	75	6.909	6.903	0.006	92	2448000	25.0	25.6	
54 Carbon tetrachloride	117	6.909	6.909	0.000	95	2989237	25.0	26.3	
55 Isobutyl alcohol	41	7.080	7.092	-0.012	94	1009122	1250.0	958.1	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.141	7.135	0.005	76	116302	10.0	9.61	
57 Benzene	78	7.171	7.165	0.006	97	6943624	25.0	24.9	
58 1,2-Dichloroethane	62	7.238	7.238	0.000	97	2069077	25.0	24.2	
60 Tert-amyl methyl ether	73	7.366	7.354	0.012	98	2707902	25.0	23.9	
* 61 Fluorobenzene (IS)	96	7.573	7.567	0.006	99	2408929	10.0	10.0	
62 n-Heptane	43	7.586	7.580	0.006	90	2521926	25.0	26.2	
63 n-Butanol	56	7.982	7.976	0.006	91	1223254	2187.5	1604.9	
64 Trichloroethene	95	8.055	8.049	0.006	96	1973657	25.0	25.1	
65 Methylcyclohexane	83	8.360	8.360	0.000	91	3365809	25.0	25.9	
66 1,2-Dichloropropane	63	8.384	8.378	0.006	90	1795772	25.0	25.5	
67 Methyl methacrylate	69	8.470	8.464	0.006	89	871510	25.0	24.2	
69 Dibromomethane	93	8.494	8.488	0.006	92	919481	25.0	25.5	
68 1,4-Dioxane	88	8.530	8.537	-0.007	79	123866	1250.0	522.7	M
71 Dichlorobromomethane	83	8.726	8.726	0.000	98	2419702	25.0	25.9	
72 2-Nitropropane	41	8.994	8.994	0.000	100	1484170	125.0	115.2	
75 1-Bromo-2-chloroethane	63	9.122	9.122	0.000	99	1652054	25.0	24.9	
76 cis-1,3-Dichloropropene	75	9.280	9.280	0.000	94	2858052	25.0	26.5	
77 4-Methyl-2-pentanone (MIBK)	43	9.457	9.451	0.006	97	11451372	250.0	231.3	
$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2462175	10.0	9.88	
79 Toluene	92	9.671	9.671	-0.001	98	4797042	25.0	25.0	
97 trans-1,3-Dichloropropene	75	9.933	9.933	0.000	96	2471995	25.0	26.5	
99 Ethyl methacrylate	69	9.994	9.994	0.000	89	1877330	25.0	25.9	
S 98 1,3-Dichloropropene, Total	100				0			53.0	
100 1,1,2-Trichloroethane	97	10.134	10.134	0.000	92	1282563	25.0	24.4	
101 Tetrachloroethene	166	10.231	10.225	0.006	98	2638237	25.0	25.5	
102 1,3-Dichloropropane	76	10.298	10.299	-0.001	92	2135286	25.0	24.6	
103 2-Hexanone	43	10.353	10.353	0.000	97	8081494	250.0	234.1	
105 Chlorodibromomethane	129	10.518	10.518	0.000	90	1907545	25.0	26.4	
106 Ethylene Dibromide	107	10.628	10.628	0.000	98	1275224	25.0	25.0	
* 107 Chlorobenzene-d5 (IS)	117	11.060	11.061	-0.001	86	1936058	10.0	10.0	
108 1-Chlorohexane	91	11.073	11.073	0.000	97	2819454	25.0	25.5	
109 Chlorobenzene	112	11.091	11.091	0.000	96	5612245	25.0	25.4	
111 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	95	2148564	25.0	26.5	
112 Ethylbenzene	91	11.176	11.176	0.000	98	9550470	25.0	25.5	
S 110 Xylenes, Total	106				0			78.4	
113 m-Xylene & p-Xylene	106	11.292	11.292	0.000	93	7772437	50.0	52.1	
114 o-Xylene	106	11.621	11.621	0.000	96	3823654	25.0	26.2	
115 Styrene	104	11.634	11.634	0.000	95	6222891	25.0	27.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 Bromoform	173	11.792	11.792	0.000	97	1307321	25.0	27.7	
117 Isopropylbenzene	105	11.920	11.920	0.000	96	10017939	25.0	26.2	
$ 120 4-Bromofluorobenzene (Surr)	95	12.066	12.067	-0.001	96	921757	10.0	10.1	
121 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	94	1684823	25.0	24.6	
122 Bromobenzene	156	12.182	12.182	0.000	98	2604838	25.0	25.5	
123 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	95	5017664	250.0	257.9	
124 1,2,3-Trichloropropane	110	12.213	12.213	0.000	83	471063	25.0	24.4	
125 N-Propylbenzene	91	12.249	12.249	0.000	98	11504700	25.0	25.7	
126 2-Chlorotoluene	126	12.329	12.329	0.000	97	2492610	25.0	25.8	
127 1,3,5-Trimethylbenzene	105	12.389	12.384	0.005	95	8699547	25.0	25.9	
128 4-Chlorotoluene	126	12.420	12.420	0.000	97	2546778	25.0	26.4	
129 tert-Butylbenzene	134	12.627	12.627	0.000	93	2169810	25.0	26.1	
130 Pentachloroethane	167	12.664	12.664	0.000	92	1770213	25.0	27.4	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	9029284	25.0	26.2	
132 sec-Butylbenzene	105	12.792	12.792	0.000	95	11111339	25.0	26.0	
133 1,3-Dichlorobenzene	146	12.889	12.890	-0.001	99	5148991	25.0	26.9	
134 4-Isopropyltoluene	119	12.902	12.902	0.000	96	10273099	25.0	26.9	
* 135 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	92	1240232	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.963	12.963	0.000	94	4882929	25.0	26.0	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	4105948	25.0	25.8	
138 Benzyl chloride	126	13.042	13.042	0.000	99	772337	25.0	28.7	
139 n-Butylbenzene	92	13.194	13.188	0.006	98	4860363	25.0	29.0	
140 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	4774475	25.0	26.2	
142 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	88	286713	25.0	25.6	
143 1,3,5-Trichlorobenzene	180	13.895	13.889	0.006	98	4008610	25.0	27.6	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	3188084	25.0	27.3	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	96	1771421	25.0	26.4	
146 Naphthalene	128	14.493	14.493	0.000	97	5183365	25.0	23.8	
147 1,2,3-Trichlorobenzene	180	14.633	14.639	-0.006	95	2694710	25.0	25.4	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00068	Amount Added: 25.00	Units: uL	
MSV_LL_#2_826_00077	Amount Added: 25.00	Units: uL	
MSV_LL_GAS826_00141	Amount Added: 25.00	Units: uL	
MSV_LLcentISS_00006	Amount Added: 5.00	Units: uL	Run Reagent

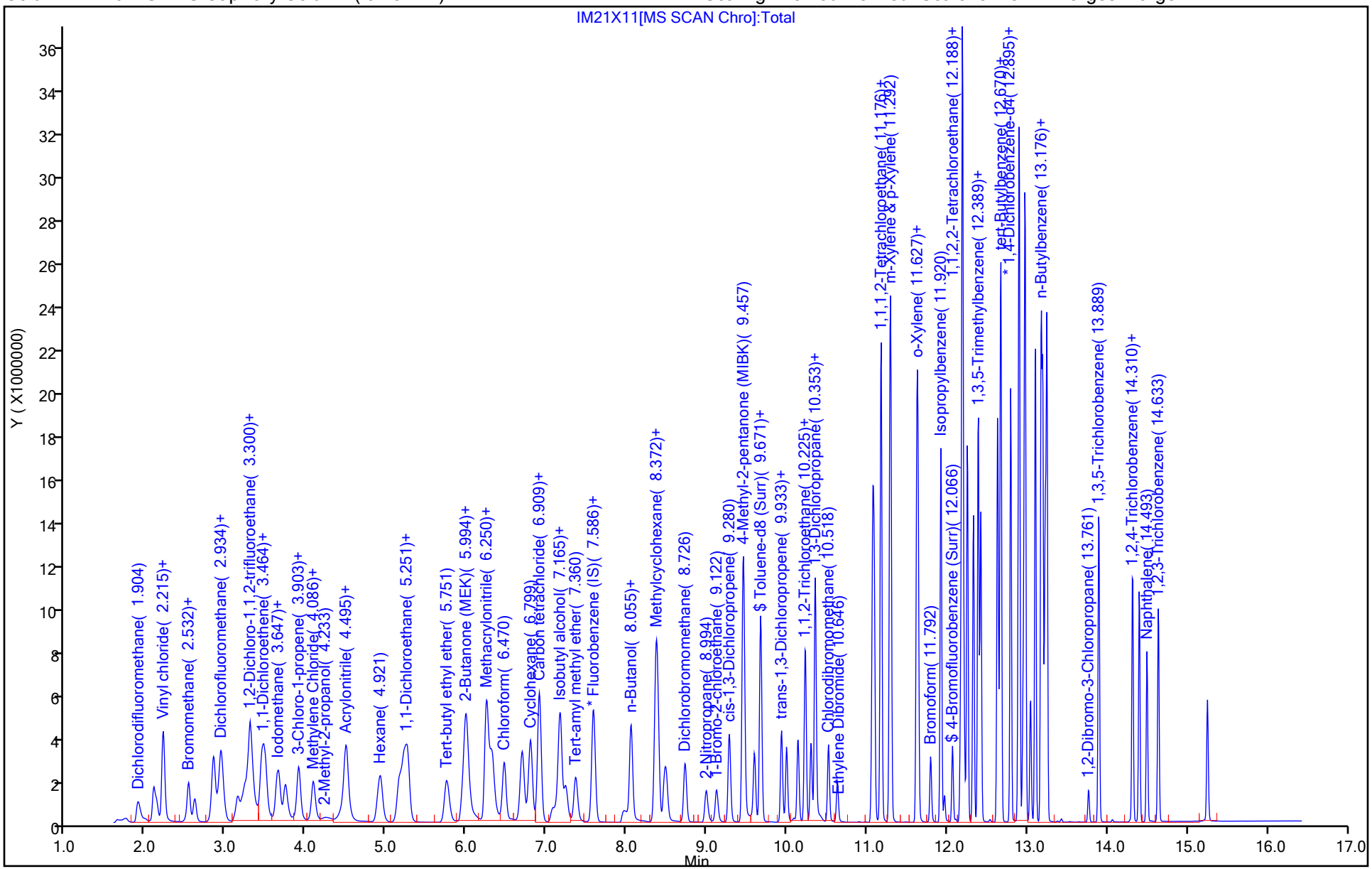
Report Date: 21-Mar-2023 17:37:32 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X11.D

Injection Date:	21-Mar-2023 04:01:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	IC std7			Worklist Smp#:	12
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

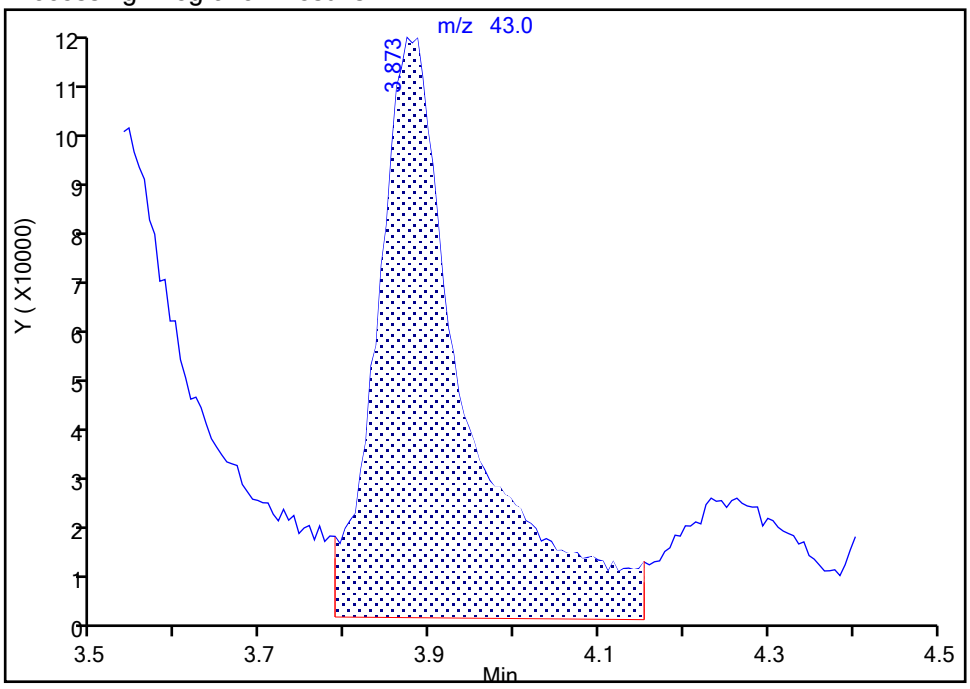
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X11.D				
Injection Date:	21-Mar-2023 04:01:30	Instrument ID:	19930		
Lims ID:	IC std7				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

23 Methyl acetate, CAS: 79-20-9

Signal: 1

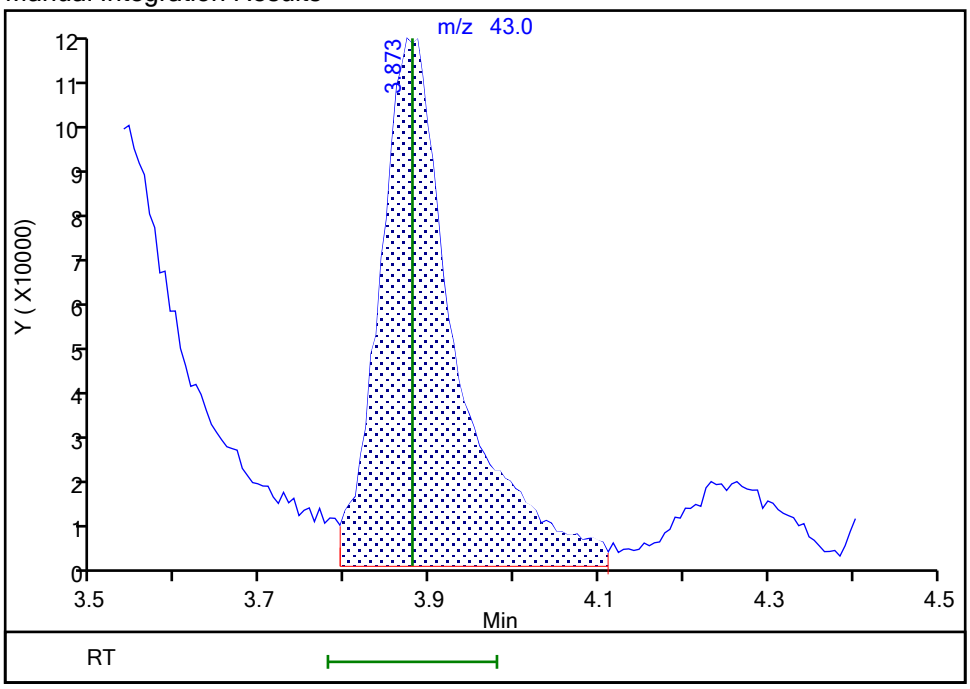
Processing Integration Results

RT: 3.87
Area: 799736
Amount: 26.116895
Amount Units: ug/l



Manual Integration Results

RT: 3.87
Area: 648459
Amount: 20.026891
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:38:01

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

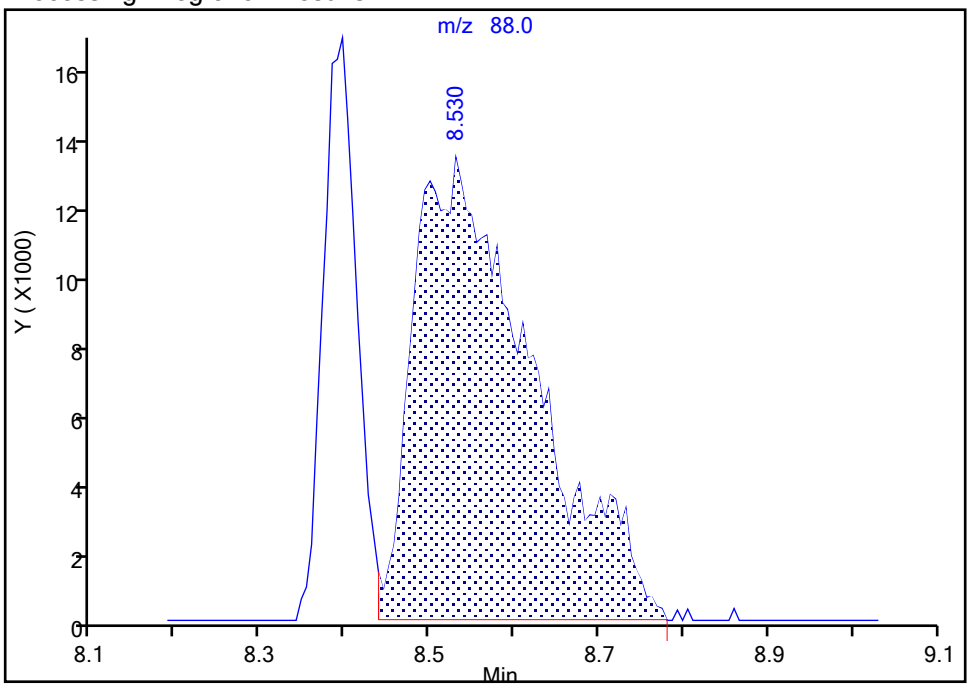
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X11.D
Injection Date: 21-Mar-2023 04:01:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: mec29284 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

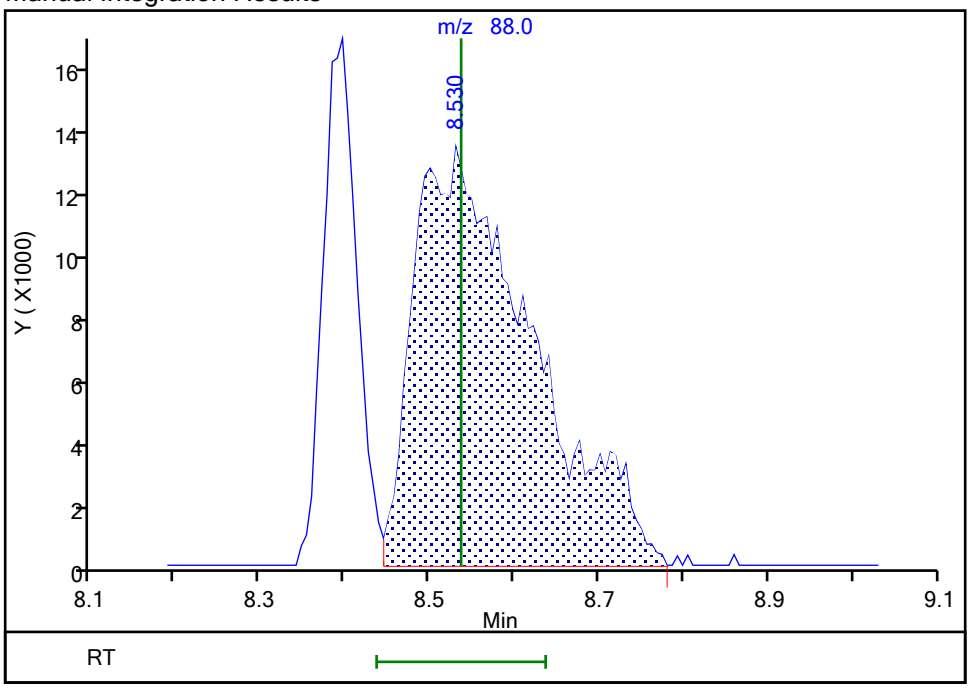
Processing Integration Results

RT: 8.53
Area: 124347
Amount: 571.6595
Amount Units: ug/l



Manual Integration Results

RT: 8.53
Area: 123866
Amount: 522.6727
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:38:58
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\19930\20230321-79468.b\IM21X12.D
Lims ID: ICIS - LG
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 21-Mar-2023 04:22:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079468-013
Operator ID: mec29284 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 21-Mar-2023 17:37:37 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: DVW2 Date: 21-Mar-2023 10:27:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	922225	10.0	10.4	M
4 Chloromethane	50	2.087	2.087	0.000	99	940151	10.0	9.77	
5 Vinyl chloride	62	2.203	2.203	0.000	98	930903	10.0	9.92	
6 Butadiene	39	2.209	2.209	0.000	95	826233	10.0	9.62	
7 Bromomethane	94	2.526	2.526	0.000	92	743346	10.0	10.2	
8 Chloroethane	64	2.599	2.599	0.000	99	577982	10.0	10.1	
9 Dichlorofluoromethane	67	2.837	2.837	0.000	97	1494327	10.0	9.78	
10 Trichlorofluoromethane	101	2.898	2.898	0.000	98	1607262	10.0	10.6	
11 Ethyl ether	59	3.135	3.135	0.000	93	503956	10.0	10.2	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.227	3.227	0.000	90	845381	10.0	9.98	
14 Acrolein	56	3.306	3.306	0.000	96	3424553	500.0	533.6	
15 1,1-Dichloroethene	96	3.434	3.434	0.000	98	615600	10.0	10.0	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.477	3.477	0.000	90	725110	10.0	10.4	
16 Acetone	43	3.477	3.477	0.000	68	717958	100.0	92.6	
18 Iodomethane	142	3.629	3.629	0.000	100	1344711	10.0	10.1	
19 Ethyl bromide	108	3.660	3.660	0.000	99	581386	10.0	10.2	
20 Carbon disulfide	76	3.733	3.733	0.000	100	1740418	10.0	10.1	
23 Methyl acetate	43	3.879	3.879	0.000	97	266996	10.0	9.62	M
24 3-Chloro-1-propene	41	3.897	3.897	0.000	87	1028696	10.0	9.96	
25 Methylene Chloride	84	4.086	4.086	0.000	93	659101	10.0	10.1	
* 26 t-Butyl alcohol-d10 (IS)	65	4.135	4.135	0.000	99	120956	50.0	50.0	
27 2-Methyl-2-propanol	59	4.263	4.263	0.000	99	532907	200.0	211.4	
28 Acrylonitrile	53	4.416	4.416	0.000	98	263633	25.0	28.0	
29 Methyl tert-butyl ether	73	4.477	4.477	0.000	95	1605079	10.0	10.2	
30 trans-1,2-Dichloroethene	96	4.495	4.495	0.000	98	680341	10.0	9.85	
31 Hexane	57	4.915	4.915	0.000	95	974283	10.0	10.7	
32 1,1-Dichloroethane	63	5.147	5.147	0.000	96	1265159	10.0	10.1	
35 Isopropyl ether	45	5.214	5.214	0.000	91	2131812	10.0	10.2	
36 2-Chloro-1,3-butadiene	53	5.263	5.263	0.000	93	1088422	10.0	10.3	
37 Tert-butyl ethyl ether	59	5.751	5.751	0.000	97	1484132	10.0	10.2	
38 2-Butanone (MEK)	43	5.958	5.958	0.000	100	1559003	100.0	108.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	5.982	5.982	0.000	83	760484	10.0	10.1	
40 2,2-Dichloropropane	77	5.995	5.995	0.000	89	1152650	10.0	10.1	
43 Propionitrile	54	6.056	6.056	0.000	98	771867	200.0	232.5	
45 Methacrylonitrile	67	6.244	6.244	0.000	92	1703050	100.0	111.7	
46 Chlorobromomethane	128	6.318	6.318	0.000	90	362331	10.0	10.3	
47 Tetrahydrofuran	71	6.330	6.330	0.000	79	237735	50.0	54.1	
48 Chloroform	83	6.464	6.464	0.000	95	1301472	10.0	10.1	
$ 49 Dibromofluoromethane (Surr)	113	6.677	6.677	0.000	94	634684	10.0	10.1	
50 1,1,1-Trichloroethane	97	6.690	6.690	0.000	98	1236794	10.0	10.2	
51 Cyclohexane	56	6.793	6.793	0.000	92	1201687	10.0	10.4	
53 1,1-Dichloropropene	75	6.903	6.903	0.000	91	971752	10.0	10.3	
54 Carbon tetrachloride	117	6.909	6.909	0.000	95	1181687	10.0	10.5	
55 Isobutyl alcohol	41	7.092	7.092	0.000	90	499620	500.0	553.5	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.135	7.135	0.000	89	118206	10.0	9.88	
57 Benzene	78	7.165	7.165	0.000	98	2766730	10.0	10.0	
58 1,2-Dichloroethane	62	7.238	7.238	0.000	97	849419	10.0	10.0	
60 Tert-amyl methyl ether	73	7.354	7.354	0.000	98	1148066	10.0	10.3	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2381761	10.0	10.0	
62 n-Heptane	43	7.580	7.580	0.000	92	1013268	10.0	10.7	
63 n-Butanol	56	7.976	7.976	0.000	90	703258	875.0	1076.6	
64 Trichloroethene	95	8.049	8.049	0.000	96	778206	10.0	10.0	
65 Methylcyclohexane	83	8.360	8.360	0.000	91	1348244	10.0	10.5	
66 1,2-Dichloropropane	63	8.378	8.378	0.000	90	714552	10.0	10.3	
67 Methyl methacrylate	69	8.464	8.464	0.000	89	349068	10.0	11.3	
69 Dibromomethane	93	8.488	8.488	0.000	92	368087	10.0	10.3	
68 1,4-Dioxane	88	8.537	8.537	0.000	84	118927	500.0	585.5	
71 Dichlorobromomethane	83	8.726	8.726	0.000	98	960002	10.0	10.4	
72 2-Nitropropane	41	8.994	8.994	0.000	99	615199	50.0	55.7	
75 1-Bromo-2-chloroethane	63	9.122	9.122	0.000	99	677411	10.0	10.3	
76 cis-1,3-Dichloropropene	75	9.280	9.280	0.000	93	1135243	10.0	10.7	
77 4-Methyl-2-pentanone (MIBK)	43	9.451	9.451	0.000	98	4813730	100.0	113.4	
$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2420949	10.0	9.97	
79 Toluene	92	9.671	9.671	0.000	98	1895806	10.0	10.1	
97 trans-1,3-Dichloropropene	75	9.933	9.933	0.000	95	976681	10.0	10.7	
99 Ethyl methacrylate	69	9.994	9.994	0.000	89	746956	10.0	10.6	
100 1,1,2-Trichloroethane	97	10.134	10.134	0.000	92	520789	10.0	10.2	
101 Tetrachloroethene	166	10.225	10.225	0.000	98	1025277	10.0	10.2	
102 1,3-Dichloropropane	76	10.299	10.299	0.000	92	856612	10.0	10.1	
103 2-Hexanone	43	10.353	10.353	0.000	98	3355456	100.0	113.4	
105 Chlorodibromomethane	129	10.518	10.518	0.000	89	756162	10.0	10.7	
106 Ethylene Dibromide	107	10.628	10.628	0.000	98	515479	10.0	10.4	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1886594	10.0	10.0	
108 1-Chlorohexane	91	11.073	11.073	0.000	97	1085890	10.0	10.1	
109 Chlorobenzene	112	11.091	11.091	0.000	96	2204397	10.0	10.2	
111 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	95	827659	10.0	10.5	
112 Ethylbenzene	91	11.176	11.176	0.000	98	3694009	10.0	10.1	
113 m-Xylene & p-Xylene	106	11.292	11.292	0.000	94	2958705	20.0	20.4	
114 o-Xylene	106	11.621	11.621	0.000	97	1442929	10.0	10.2	
115 Styrene	104	11.634	11.634	0.000	95	2367152	10.0	10.7	
116 Bromoform	173	11.792	11.792	0.000	97	503660	10.0	11.0	
117 Isopropylbenzene	105	11.920	11.920	0.000	96	3876560	10.0	10.4	
$ 120 4-Bromofluorobenzene (Surr)	95	12.067	12.067	0.000	96	889396	10.0	10.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	94	665065	10.0	10.3	
122 Bromobenzene	156	12.182	12.182	0.000	98	981240	10.0	10.2	
123 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	93	1920626	100.0	115.2	
124 1,2,3-Trichloropropane	110	12.213	12.213	0.000	84	189700	10.0	10.4	
125 N-Propylbenzene	91	12.249	12.249	0.000	99	4495847	10.0	10.6	
126 2-Chlorotoluene	126	12.329	12.329	0.000	97	946897	10.0	10.4	
127 1,3,5-Trimethylbenzene	105	12.384	12.384	0.000	94	3315484	10.0	10.5	
128 4-Chlorotoluene	126	12.420	12.420	0.000	97	951822	10.0	10.5	
129 tert-Butylbenzene	134	12.627	12.627	0.000	94	817068	10.0	10.4	
130 Pentachloroethane	167	12.664	12.664	0.000	92	672224	10.0	11.1	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	3435975	10.0	10.6	
132 sec-Butylbenzene	105	12.792	12.792	0.000	94	4306580	10.0	10.7	
133 1,3-Dichlorobenzene	146	12.890	12.890	0.000	99	1926286	10.0	10.7	
134 4-Isopropyltoluene	119	12.902	12.902	0.000	97	3862618	10.0	10.7	
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1169233	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.963	12.963	0.000	94	1838618	10.0	10.4	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	1534921	10.0	10.2	
138 Benzyl chloride	126	13.042	13.042	0.000	99	290235	10.0	11.4	
139 n-Butylbenzene	92	13.188	13.188	0.000	95	1762970	10.0	11.2	
140 1,2-Dichlorobenzene	146	13.225	13.225	0.000	99	1807906	10.0	10.5	
142 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	87	114580	10.0	10.8	
143 1,3,5-Trichlorobenzene	180	13.889	13.889	0.000	98	1467042	10.0	10.7	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	1207739	10.0	11.0	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	96	656545	10.0	10.4	
146 Naphthalene	128	14.493	14.493	0.000	97	2170950	10.0	10.6	
147 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	1072140	10.0	10.7	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00068	Amount Added: 10.00	Units: uL	
MSV_LL_#2_826_00077	Amount Added: 10.00	Units: uL	
MSV_LL_GAS826_00141	Amount Added: 10.00	Units: uL	
MSV_LLcentISS_00006	Amount Added: 5.00	Units: uL	Run Reagent

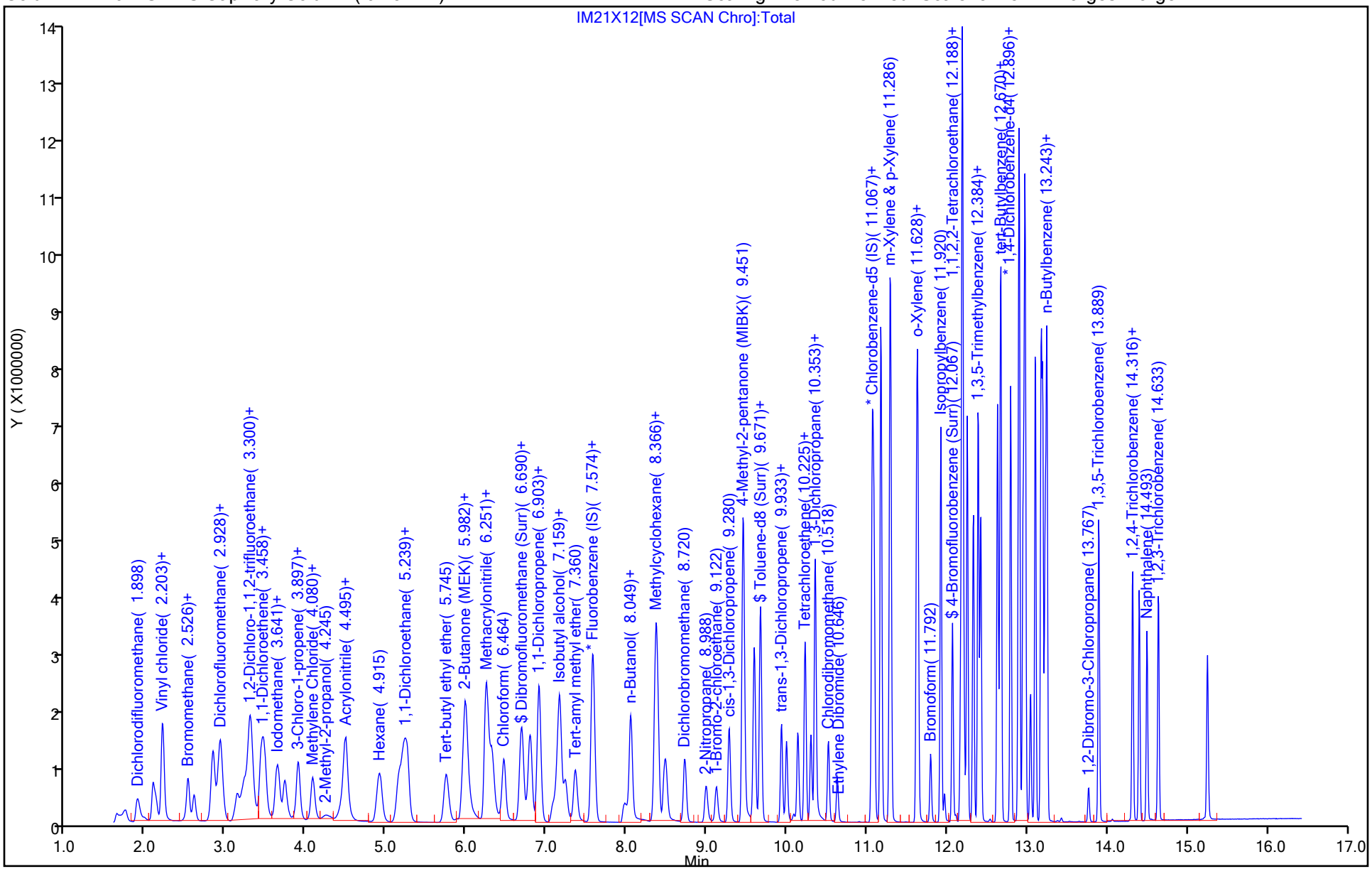
Report Date: 21-Mar-2023 17:37:38 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X12.D

Injection Date:	21-Mar-2023 04:22:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	ICIS - LG			Worklist Smp#:	13
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

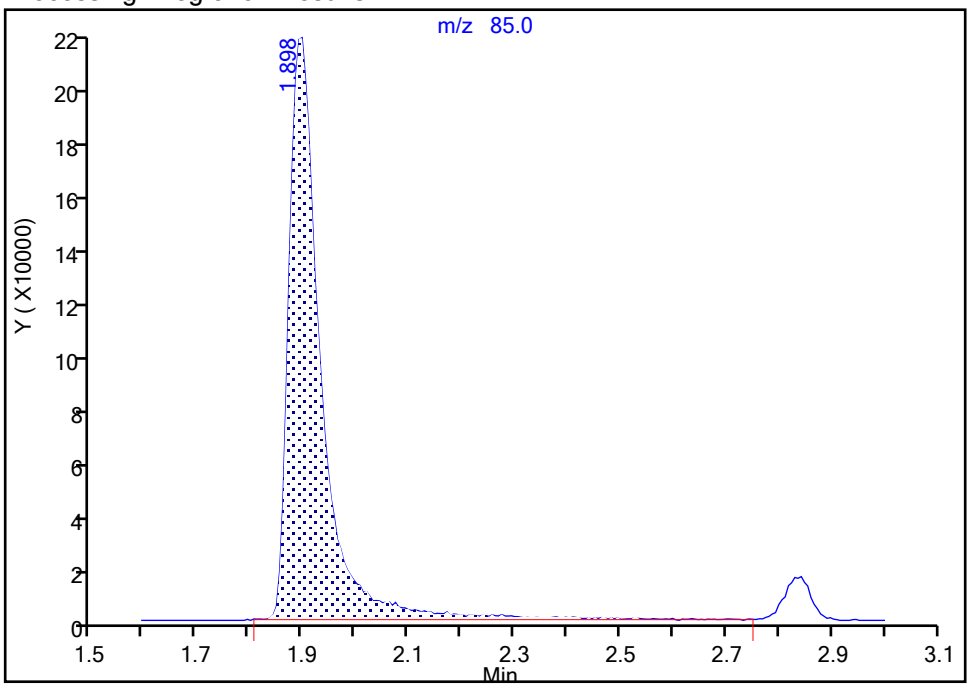
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X12.D
Injection Date: 21-Mar-2023 04:22:30 Instrument ID: 19930
Lims ID: ICIS - LG
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

1 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

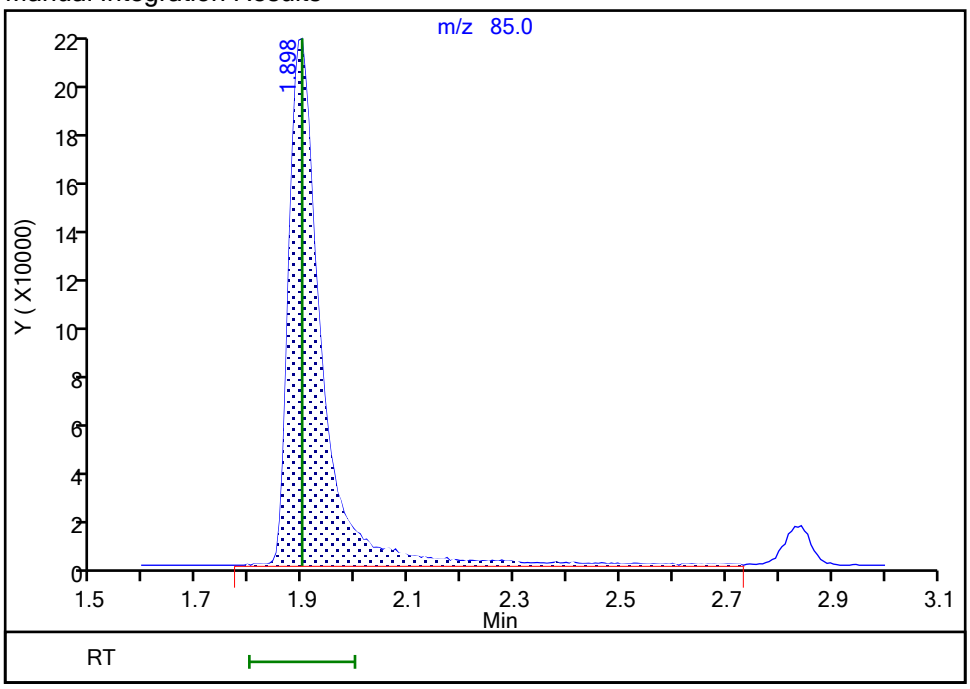
Processing Integration Results

RT: 1.90
Area: 899819
Amount: 10.174710
Amount Units: ug/l



Manual Integration Results

RT: 1.90
Area: 922225
Amount: 10.390459
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:43:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

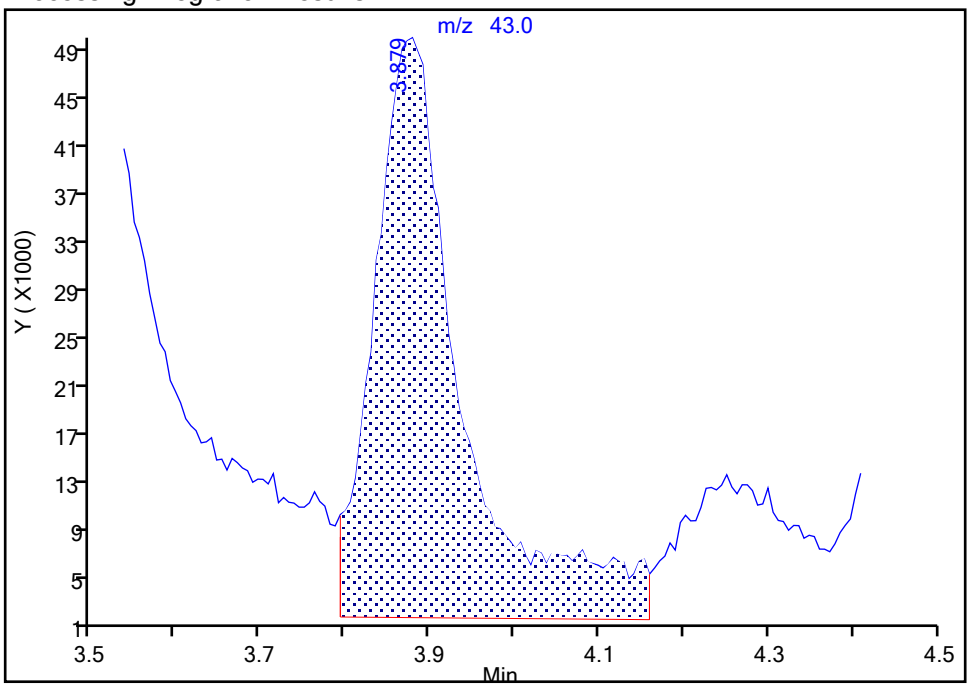
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X12.D				
Injection Date:	21-Mar-2023 04:22:30	Instrument ID:	19930		
Lims ID:	ICIS - LG				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

23 Methyl acetate, CAS: 79-20-9

Signal: 1

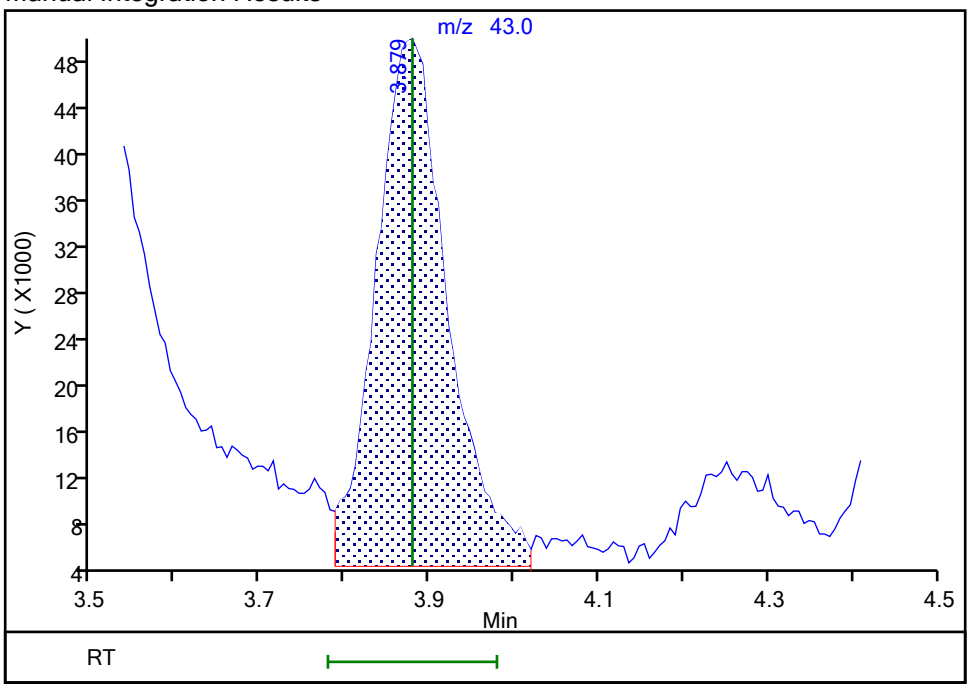
Processing Integration Results

RT: 3.88
Area: 348419
Amount: 12.708697
Amount Units: ug/l



Manual Integration Results

RT: 3.88
Area: 266996
Amount: 9.620961
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:43:58
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X13.D
Lims ID: IC std5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Mar-2023 04:42:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079468-014
Operator ID: mec29284 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 21-Mar-2023 17:37:43 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 15:49:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	455174	5.00	5.12	
4 Chloromethane	50	2.093	2.087	0.006	99	459776	5.00	4.77	
5 Vinyl chloride	62	2.209	2.203	0.006	98	468573	5.00	4.98	
6 Butadiene	39	2.215	2.209	0.006	95	408978	5.00	4.75	
7 Bromomethane	94	2.532	2.526	0.006	92	358762	5.00	4.92	
8 Chloroethane	64	2.605	2.599	0.006	99	282374	5.00	4.94	
9 Dichlorofluoromethane	67	2.843	2.837	0.006	97	745004	5.00	4.87	
10 Trichlorofluoromethane	101	2.904	2.898	0.006	96	738690	5.00	4.86	
11 Ethyl ether	59	3.148	3.135	0.013	91	250383	5.00	5.03	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.227	3.227	0.000	88	415383	5.00	4.89	
14 Acrolein	56	3.312	3.306	0.006	95	1760321	250.0	264.9	
15 1,1-Dichloroethene	96	3.440	3.434	0.006	98	300931	5.00	4.89	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.483	3.477	0.006	90	350208	5.00	5.00	
16 Acetone	43	3.489	3.477	0.012	71	382327	50.0	47.6	M
18 Iodomethane	142	3.641	3.629	0.012	99	668087	5.00	5.01	
19 Ethyl bromide	108	3.666	3.660	0.006	99	289573	5.01	5.05	
20 Carbon disulfide	76	3.739	3.733	0.006	100	851050	5.00	4.94	
23 Methyl acetate	43	3.885	3.879	0.006	97	138687	5.00	4.83	M
24 3-Chloro-1-propene	41	3.910	3.897	0.013	88	512382	5.00	4.95	
25 Methylene Chloride	84	4.086	4.086	0.000	93	323924	5.00	4.96	
* 26 t-Butyl alcohol-d10 (IS)	65	4.135	4.135	0.000	98	125221	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.269	4.263	0.006	98	290719	100.0	111.4	M
28 Acrylonitrile	53	4.428	4.416	0.012	96	135604	12.5	13.9	M
29 Methyl tert-butyl ether	73	4.495	4.477	0.018	95	799391	5.00	5.06	
30 trans-1,2-Dichloroethene	96	4.501	4.495	0.006	99	339868	5.00	4.91	
31 Hexane	57	4.922	4.915	0.007	95	468791	5.00	5.13	
32 1,1-Dichloroethane	63	5.159	5.147	0.012	96	633253	5.00	5.04	
35 Isopropyl ether	45	5.214	5.214	0.000	95	1061122	5.00	5.06	
36 2-Chloro-1,3-butadiene	53	5.269	5.263	0.006	93	541494	5.00	5.09	
37 Tert-butyl ethyl ether	59	5.751	5.751	0.000	97	749516	5.00	5.15	
38 2-Butanone (MEK)	43	5.964	5.958	0.006	100	784382	50.0	52.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	5.989	5.982	0.006	83	381596	5.00	5.05	
40 2,2-Dichloropropane	77	5.995	5.995	0.000	89	567765	5.00	4.97	
43 Propionitrile	54	6.062	6.056	0.006	98	368330	100.0	107.2	
S 41 1,2-Dichloroethene, Total	100				0			9.96	
45 Methacrylonitrile	67	6.251	6.244	0.007	91	830959	50.0	52.6	
46 Chlorobromomethane	128	6.324	6.318	0.006	91	179484	5.00	5.10	
47 Tetrahydrofuran	71	6.336	6.330	0.006	79	120622	25.0	26.5	
48 Chloroform	83	6.470	6.464	0.006	95	643977	5.00	4.99	
$ 49 Dibromofluoromethane (Surr)	113	6.683	6.677	0.006	94	632686	10.0	10.0	
50 1,1,1-Trichloroethane	97	6.696	6.690	0.006	98	611388	5.00	5.02	
51 Cyclohexane	56	6.799	6.793	0.006	92	580173	5.00	5.01	
53 1,1-Dichloropropene	75	6.909	6.903	0.006	91	474125	5.00	5.00	
54 Carbon tetrachloride	117	6.909	6.909	0.000	95	576461	5.00	5.11	
55 Isobutyl alcohol	41	7.098	7.092	0.006	94	254297	250.0	272.1	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.135	7.135	0.000	91	120327	10.0	10.0	
57 Benzene	78	7.171	7.165	0.006	98	1384537	5.00	5.00	
58 1,2-Dichloroethane	62	7.238	7.238	0.000	97	422172	5.00	4.97	M
60 Tert-amyl methyl ether	73	7.366	7.354	0.012	97	573757	5.00	5.11	
* 61 Fluorobenzene (IS)	96	7.574	7.567	0.007	99	2387313	10.0	10.0	
62 n-Heptane	43	7.592	7.580	0.012	91	473866	5.00	4.98	
63 n-Butanol	56	7.988	7.976	0.012	93	342450	437.5	506.4	
64 Trichloroethene	95	8.055	8.049	0.006	96	389301	5.00	4.99	
65 Methylcyclohexane	83	8.360	8.360	0.000	91	647571	5.00	5.04	
66 1,2-Dichloropropane	63	8.384	8.378	0.006	92	356169	5.00	5.11	
67 Methyl methacrylate	69	8.470	8.464	0.006	88	167724	5.00	5.24	
69 Dibromomethane	93	8.494	8.488	0.006	93	181241	5.00	5.08	
68 1,4-Dioxane	88	8.531	8.537	-0.006	83	60319	250.0	286.9	M
71 Dichlorobromomethane	83	8.726	8.726	0.000	98	475184	5.00	5.14	
72 2-Nitropropane	41	8.994	8.994	0.000	100	292267	25.0	25.6	
75 1-Bromo-2-chloroethane	63	9.122	9.122	0.000	99	333228	5.00	5.06	
76 cis-1,3-Dichloropropene	75	9.281	9.280	0.001	94	552133	5.00	5.17	
77 4-Methyl-2-pentanone (MIBK)	43	9.457	9.451	0.006	98	2322697	50.0	52.9	
$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2422302	10.0	9.98	
79 Toluene	92	9.671	9.671	0.000	97	923872	5.00	4.94	
97 trans-1,3-Dichloropropene	75	9.933	9.933	0.000	96	468676	5.00	5.15	
99 Ethyl methacrylate	69	9.994	9.994	0.000	89	365161	5.00	5.18	
S 98 1,3-Dichloropropene, Total	100				0			10.3	
100 1,1,2-Trichloroethane	97	10.140	10.134	0.006	93	253999	5.00	4.96	
101 Tetrachloroethene	166	10.225	10.225	0.000	98	508265	5.00	5.04	
102 1,3-Dichloropropane	76	10.299	10.299	0.000	93	427645	5.00	5.07	
103 2-Hexanone	43	10.354	10.353	0.001	98	1623206	50.0	53.0	
105 Chlorodibromomethane	129	10.518	10.518	0.000	89	365950	5.00	5.19	
106 Ethylene Dibromide	107	10.628	10.628	0.000	98	251158	5.00	5.06	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1885942	10.0	10.0	
108 1-Chlorohexane	91	11.073	11.073	0.000	97	521339	5.00	4.84	
109 Chlorobenzene	112	11.091	11.091	0.000	95	1086370	5.00	5.05	
111 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	95	405063	5.00	5.12	
112 Ethylbenzene	91	11.177	11.176	0.001	98	1842666	5.00	5.06	
S 110 Xylenes, Total	106				0			15.4	
113 m-Xylene & p-Xylene	106	11.292	11.292	0.000	94	1490951	10.0	10.3	
114 o-Xylene	106	11.622	11.621	0.001	96	722330	5.00	5.09	
115 Styrene	104	11.634	11.634	0.000	95	1155265	5.00	5.24	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 Bromoform	173	11.792	11.792	0.000	97	241884	5.00	5.27	
117 Isopropylbenzene	105	11.920	11.920	0.000	96	1899553	5.00	5.10	
$ 120 4-Bromofluorobenzene (Surr)	95	12.067	12.067	0.000	96	876575	10.0	9.90	
121 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	94	325780	5.00	5.08	
122 Bromobenzene	156	12.182	12.182	0.000	97	490923	5.00	5.13	
123 trans-1,4-Dichloro-2-butene	53	12.189	12.188	0.000	93	910577	50.0	52.8	
124 1,2,3-Trichloropropane	110	12.213	12.213	0.000	84	93500	5.00	5.16	
125 N-Propylbenzene	91	12.249	12.249	0.000	99	2199783	5.00	5.24	
126 2-Chlorotoluene	126	12.329	12.329	0.000	97	467982	5.00	5.16	
127 1,3,5-Trimethylbenzene	105	12.390	12.384	0.006	94	1630191	5.00	5.18	
128 4-Chlorotoluene	126	12.420	12.420	0.000	97	472147	5.00	5.22	
129 tert-Butylbenzene	134	12.627	12.627	0.000	93	400832	5.00	5.14	
130 Pentachloroethane	167	12.664	12.664	0.000	92	319216	5.00	5.28	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	1681631	5.00	5.20	
132 sec-Butylbenzene	105	12.792	12.792	0.000	94	2062828	5.00	5.15	
133 1,3-Dichlorobenzene	146	12.890	12.890	0.000	99	921590	5.00	5.13	
134 4-Isopropyltoluene	119	12.902	12.902	0.000	98	1855523	5.00	5.19	
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1162953	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	893710	5.00	5.08	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	754758	5.00	5.05	
138 Benzyl chloride	126	13.042	13.042	0.000	99	139656	5.00	5.53	
139 n-Butylbenzene	92	13.194	13.188	0.006	97	833984	5.00	5.31	
140 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	874011	5.00	5.12	
142 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	90	54876	5.00	5.22	
143 1,3,5-Trichlorobenzene	180	13.895	13.889	0.006	97	709964	5.00	5.21	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	93	575676	5.00	5.26	
145 Hexachlorobutadiene	225	14.401	14.395	0.006	96	308531	5.00	4.91	
146 Naphthalene	128	14.493	14.493	0.000	97	1061065	5.00	5.20	
147 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	516164	5.00	5.19	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00068	Amount Added:	5.00	Units: uL	
MSV_LL_#2_826_00077	Amount Added:	5.00	Units: uL	
MSV_LL_GAS826_00141	Amount Added:	5.00	Units: uL	
MSV_LLcentISS_00006	Amount Added:	5.00	Units: uL	Run Reagent

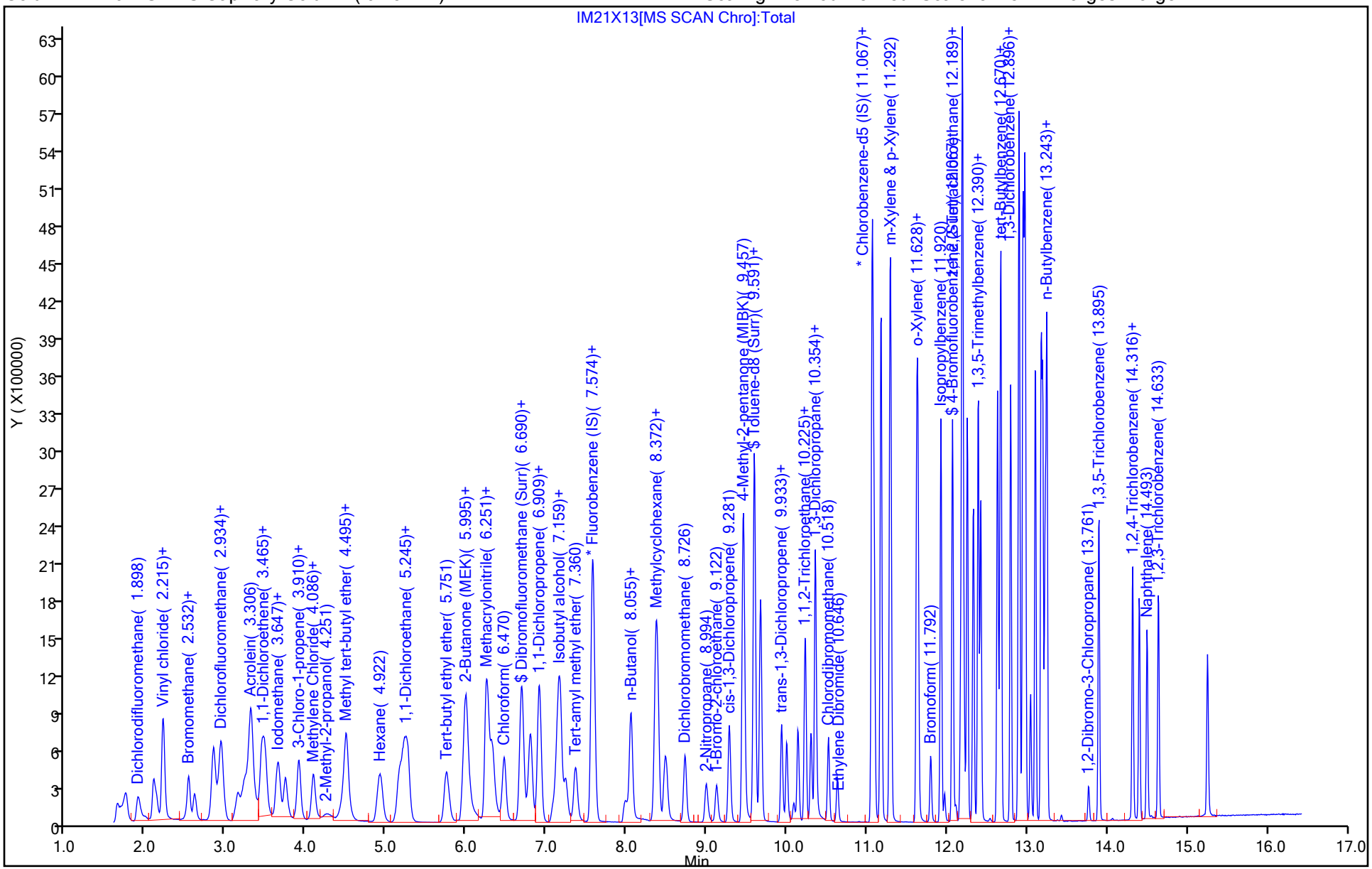
Report Date: 21-Mar-2023 17:37:43 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X13.D

Injection Date:	21-Mar-2023 04:42:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	IC std5			Worklist Smp#:	14
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

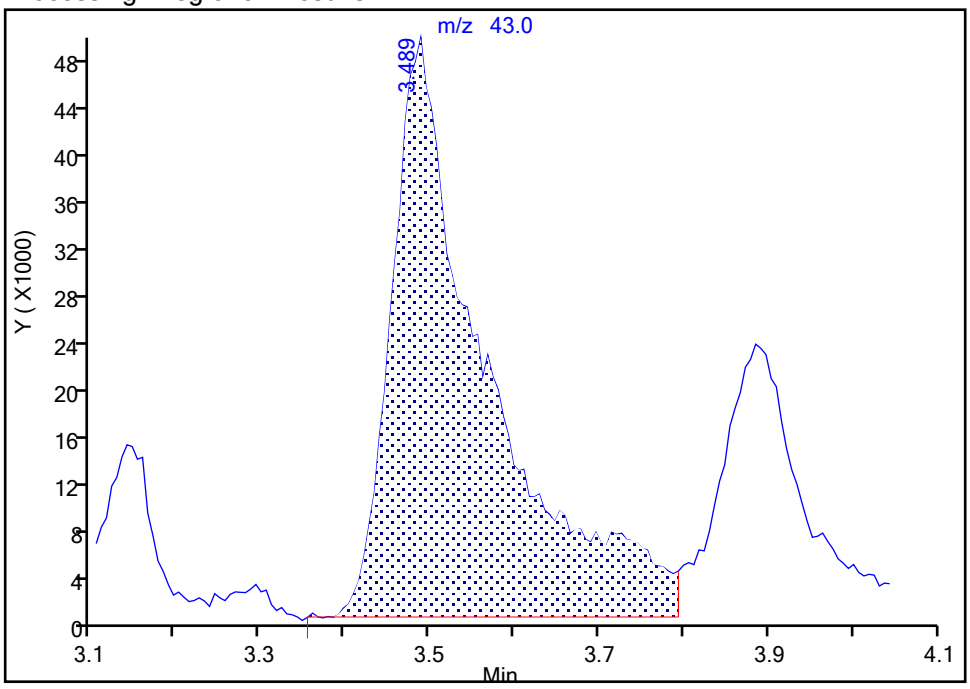
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X13.D				
Injection Date:	21-Mar-2023 04:42:30	Instrument ID:	19930		
Lims ID:	IC std5				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Acetone, CAS: 67-64-1

Signal: 1

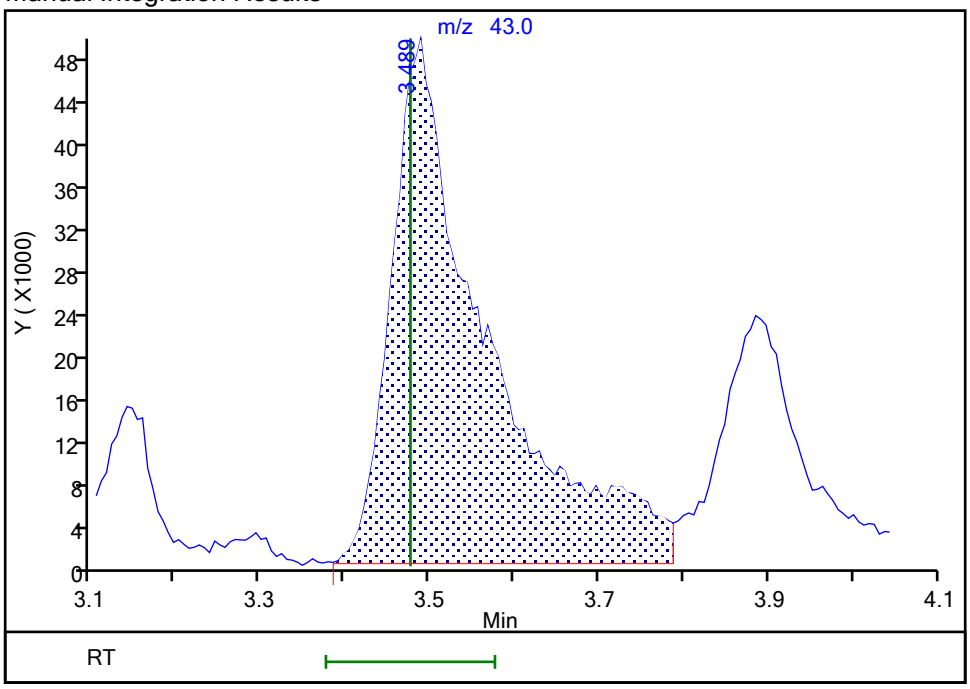
Processing Integration Results

RT: 3.49
Area: 383015
Amount: 47.708398
Amount Units: ug/l



Manual Integration Results

RT: 3.49
Area: 382327
Amount: 47.634364
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:13:05
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

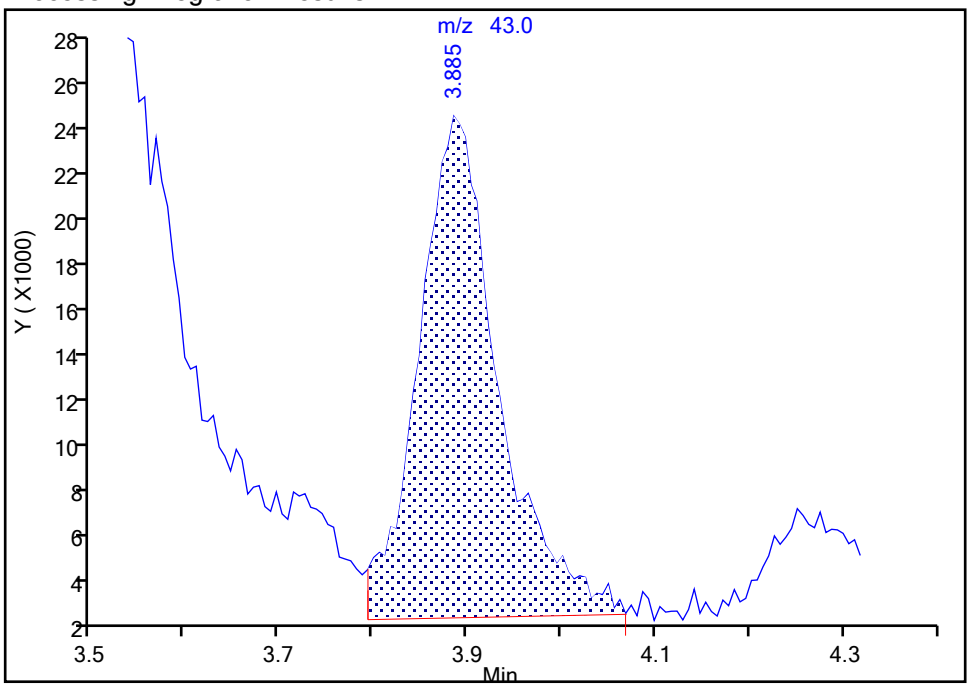
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X13.D
Injection Date: 21-Mar-2023 04:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

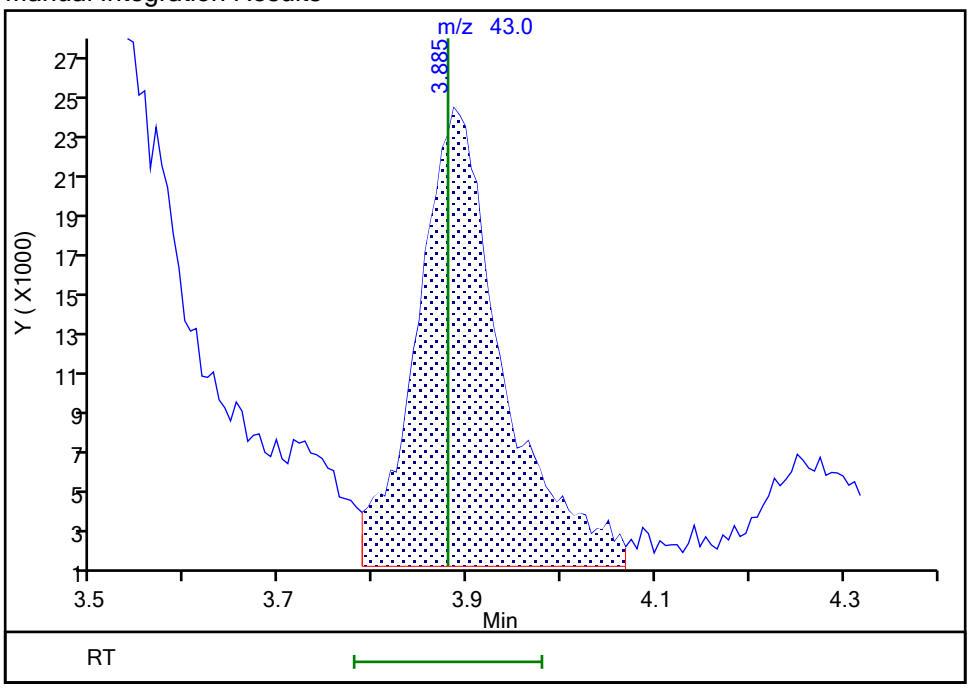
Processing Integration Results

RT: 3.89
Area: 125000
Amount: 4.378117
Amount Units: ug/l



Manual Integration Results

RT: 3.89
Area: 138687
Amount: 4.827249
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:46:36
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

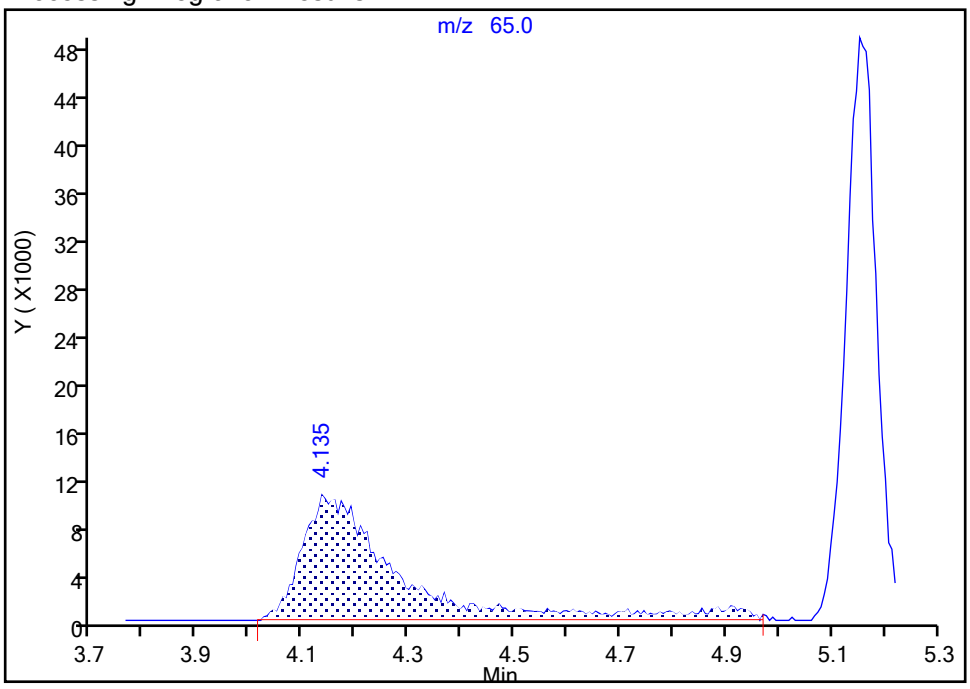
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X13.D
Injection Date: 21-Mar-2023 04:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

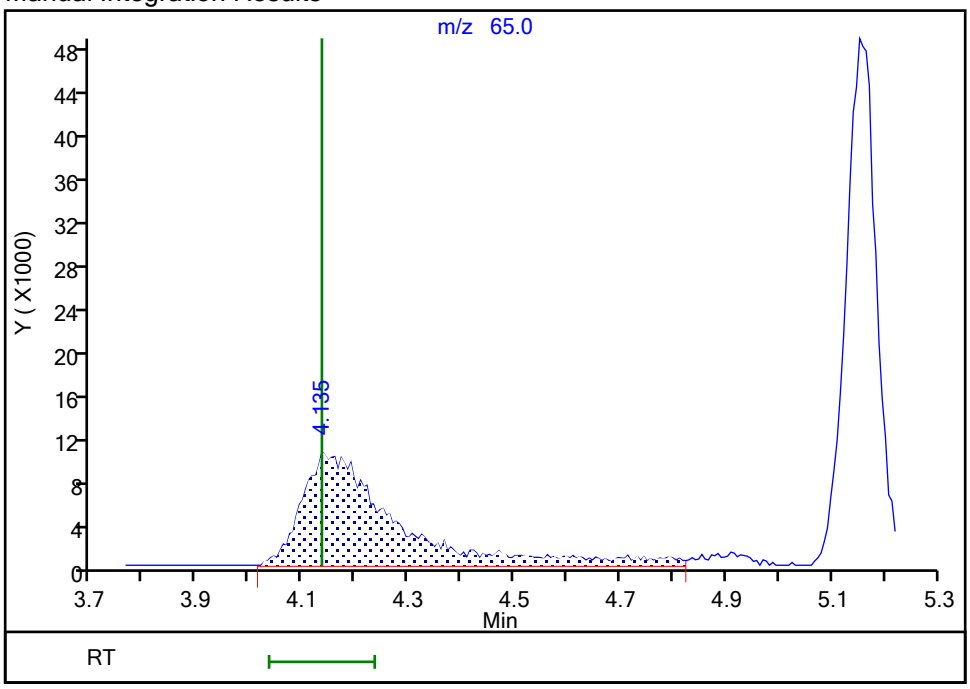
Processing Integration Results

RT: 4.14
Area: 131546
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 4.14
Area: 125221
Amount: 50.000000
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:12:32
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

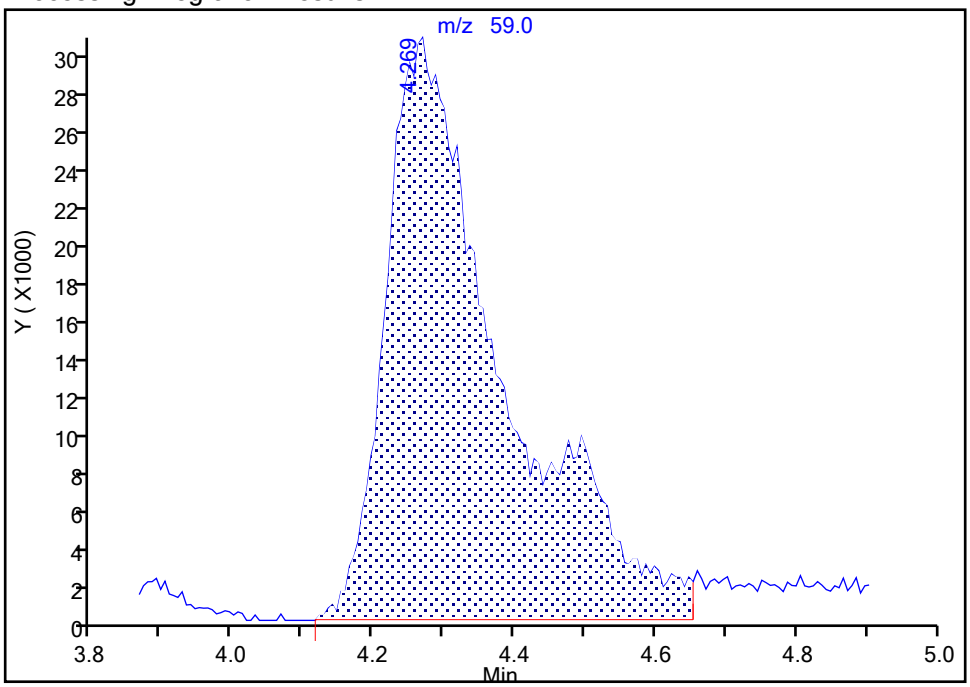
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X13.D
Injection Date: 21-Mar-2023 04:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

27 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

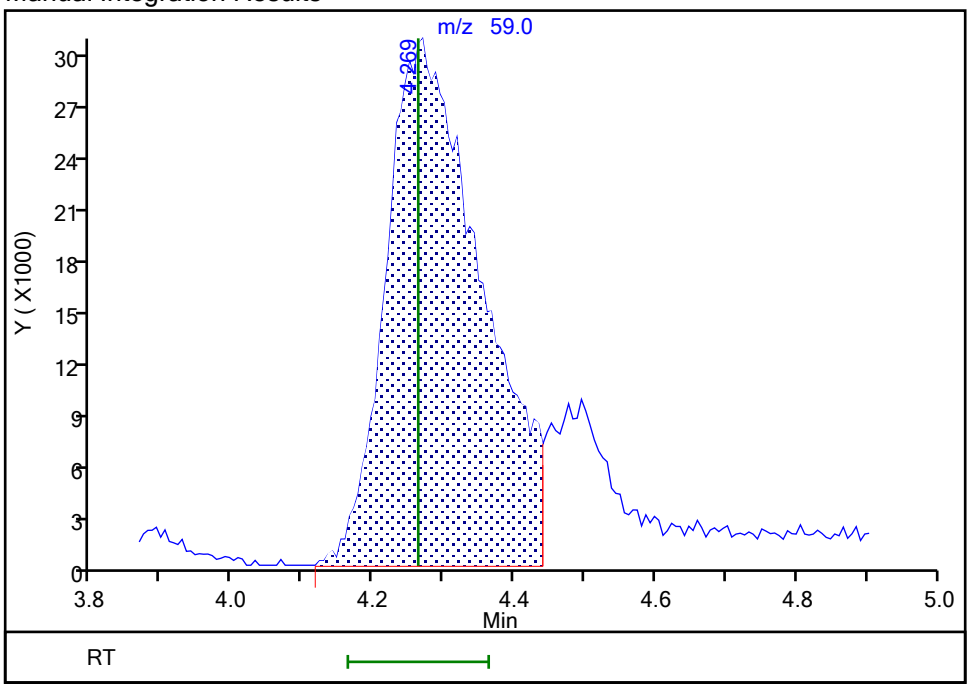
Processing Integration Results

RT: 4.27
Area: 354974
Amount: 115.2823
Amount Units: ug/l



Manual Integration Results

RT: 4.27
Area: 290719
Amount: 111.4019
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:47:03
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

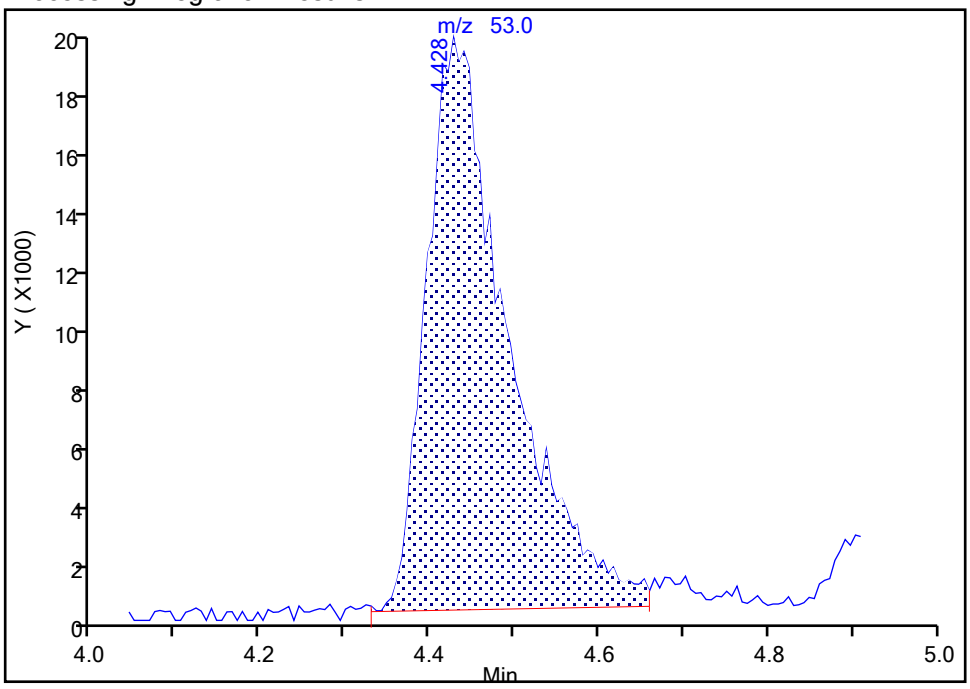
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X13.D				
Injection Date:	21-Mar-2023 04:42:30	Instrument ID:	19930		
Lims ID:	IC std5				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

28 Acrylonitrile, CAS: 107-13-1

Signal: 1

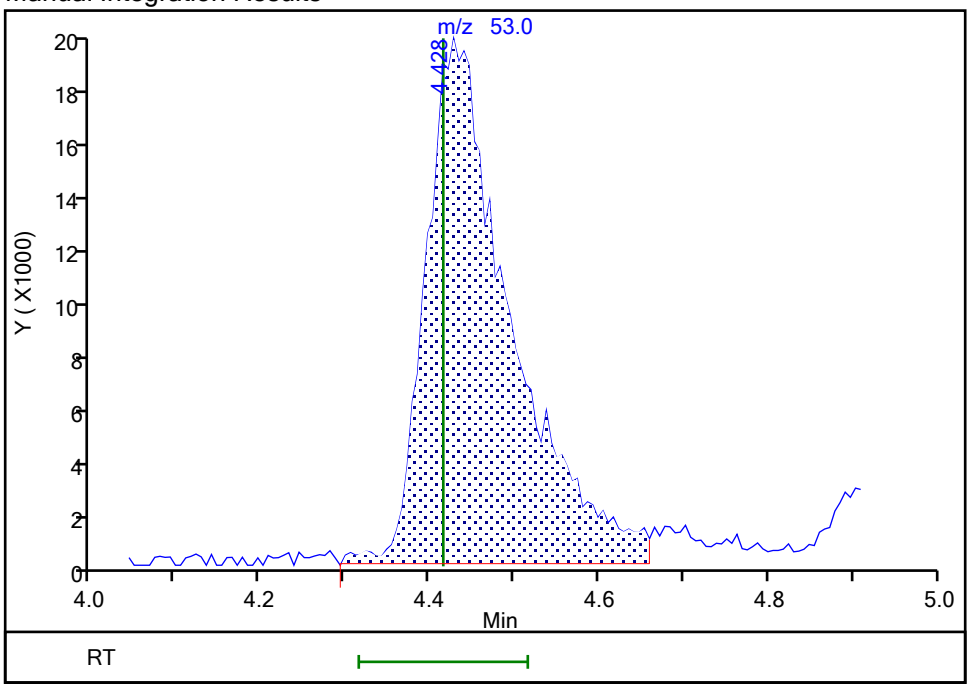
Processing Integration Results

RT: 4.43
Area: 127691
Amount: 13.253608
Amount Units: ug/l



Manual Integration Results

RT: 4.43
Area: 135604
Amount: 13.894510
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:47:31
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

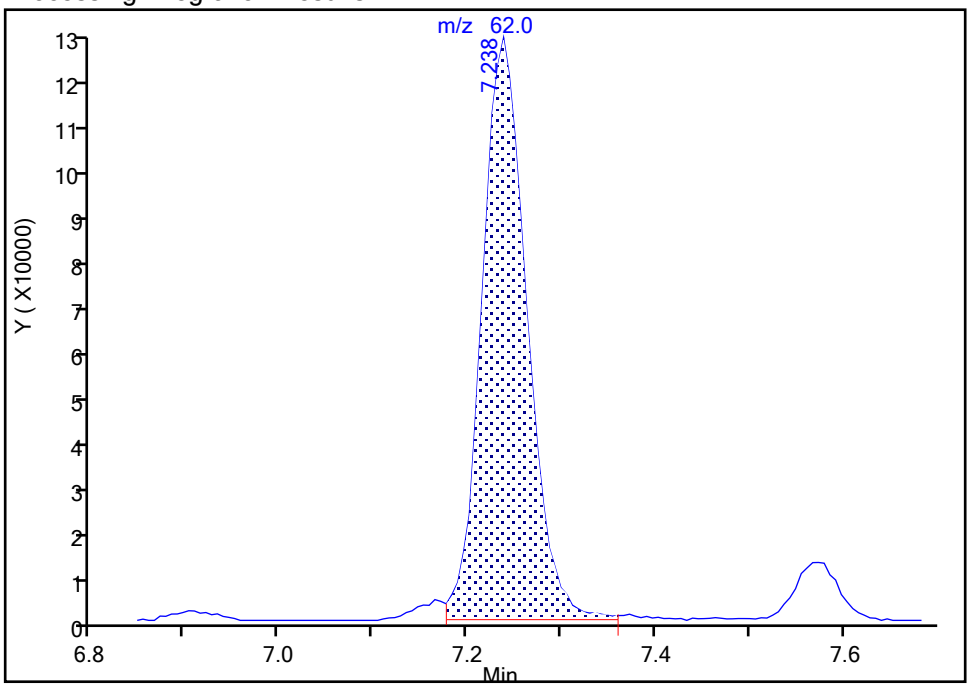
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X13.D
Injection Date: 21-Mar-2023 04:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

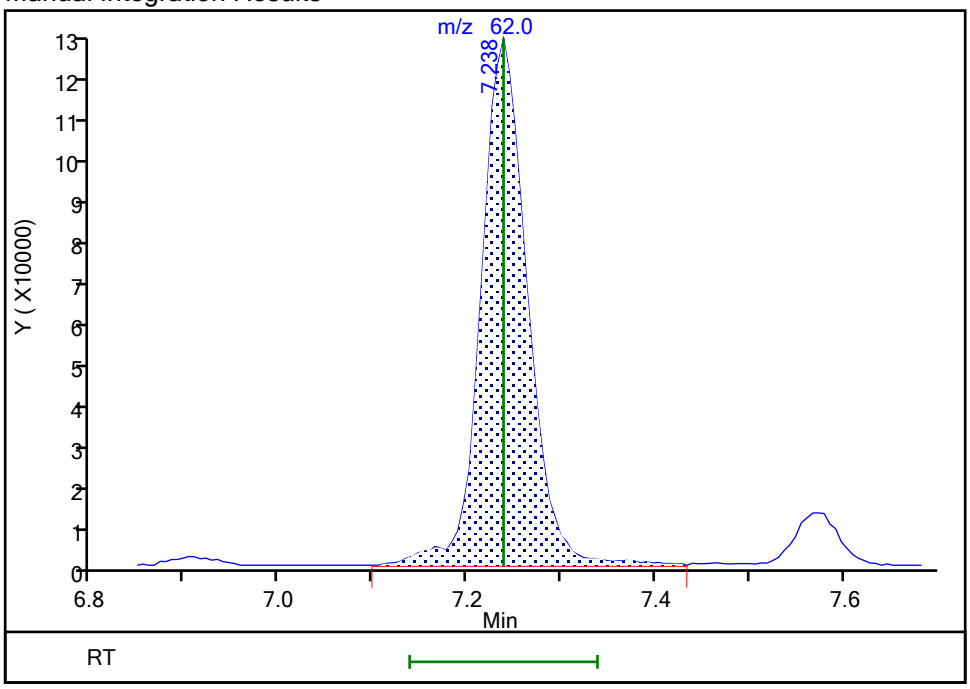
Processing Integration Results

RT: 7.24
Area: 410847
Amount: 4.857627
Amount Units: ug/l



Manual Integration Results

RT: 7.24
Area: 422172
Amount: 4.972504
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:48:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

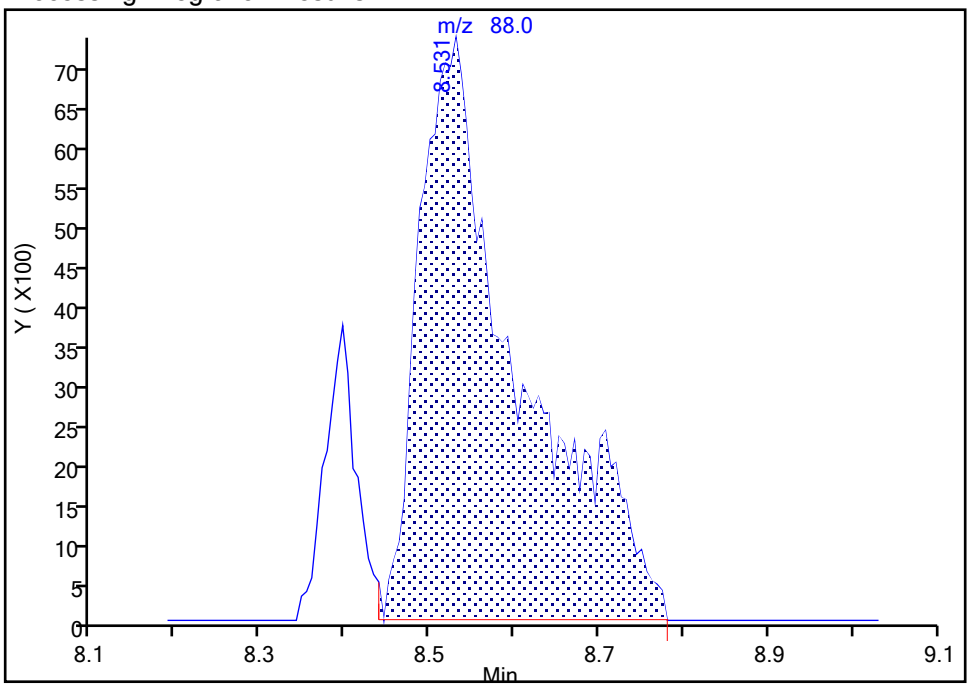
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X13.D
Injection Date: 21-Mar-2023 04:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

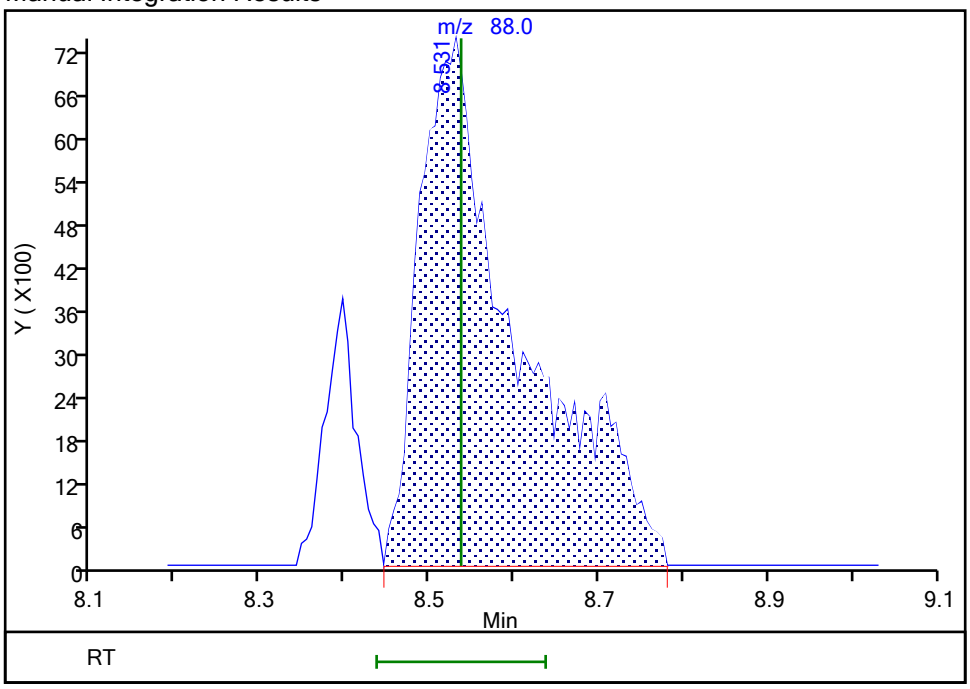
Processing Integration Results

RT: 8.53
Area: 60497
Amount: 304.3985
Amount Units: ug/l



Manual Integration Results

RT: 8.53
Area: 60319
Amount: 286.8566
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:48:23
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\19930\20230321-79468.b\IM21X14.D
Lims ID: IC std4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 21-Mar-2023 05:02:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079468-015
Operator ID: mec29284 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 21-Mar-2023 17:37:49 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 15:51:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	175844	2.00	2.01	
4 Chloromethane	50	2.087	2.087	0.000	99	191397	2.00	2.02	
5 Vinyl chloride	62	2.202	2.203	-0.001	98	185810	2.00	2.01	
6 Butadiene	39	2.209	2.209	0.000	95	163666	2.00	1.93	
7 Bromomethane	94	2.526	2.526	0.000	93	144456	2.00	2.01	
8 Chloroethane	64	2.605	2.599	0.006	99	112973	2.00	2.01	
9 Dichlorofluoromethane	67	2.843	2.837	0.006	97	297881	2.00	1.98	
10 Trichlorofluoromethane	101	2.904	2.898	0.006	98	301784	2.00	2.02	
11 Ethyl ether	59	3.141	3.135	0.006	91	102296	2.00	2.09	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.221	3.227	-0.006	89	165285	2.00	1.98	
14 Acrolein	56	3.312	3.306	0.006	94	579612	100.0	111.9	
15 1,1-Dichloroethene	96	3.440	3.434	0.006	98	118520	2.00	1.96	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.471	3.477	-0.006	92	137039	2.00	1.99	
16 Acetone	43	3.483	3.477	0.006	57	119641	20.0	19.1	M
18 Iodomethane	142	3.629	3.629	0.000	99	256394	2.00	1.95	
19 Ethyl bromide	108	3.653	3.660	-0.007	97	112150	2.00	1.99	
20 Carbon disulfide	76	3.739	3.733	0.006	100	331819	2.00	1.96	
23 Methyl acetate	43	3.891	3.879	0.012	34	48849	2.00	2.18	
24 3-Chloro-1-propene	41	3.903	3.897	0.006	87	198621	2.00	1.95	
25 Methylene Chloride	84	4.080	4.086	-0.006	92	127652	2.00	1.99	
* 26 t-Butyl alcohol-d10 (IS)	65	4.135	4.135	0.000	99	97646	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.251	4.263	-0.012	98	80472	40.0	39.5	
28 Acrylonitrile	53	4.422	4.416	0.006	97	44242	5.00	5.81	
29 Methyl tert-butyl ether	73	4.483	4.477	0.006	97	304226	2.00	1.96	
30 trans-1,2-Dichloroethene	96	4.501	4.495	0.006	98	131610	2.00	1.93	
31 Hexane	57	4.915	4.915	0.000	95	180035	2.00	2.00	
32 1,1-Dichloroethane	63	5.153	5.147	0.006	96	249646	2.00	2.02	
35 Isopropyl ether	45	5.214	5.214	0.000	92	410537	2.00	1.99	
36 2-Chloro-1,3-butadiene	53	5.269	5.263	0.006	93	205252	2.00	1.96	
37 Tert-butyl ethyl ether	59	5.744	5.751	-0.007	97	284598	2.00	1.99	
38 2-Butanone (MEK)	43	5.958	5.958	0.000	100	259100	20.0	22.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	5.988	5.982	0.006	83	146693	2.00	1.97	
40 2,2-Dichloropropane	77	6.007	5.995	0.012	88	223631	2.00	1.99	
43 Propionitrile	54	6.061	6.056	0.005	98	114151	40.0	42.6	
S 41 1,2-Dichloroethene, Total	100				0			3.90	
45 Methacrylonitrile	67	6.250	6.244	0.006	93	299318	20.0	24.3	
46 Chlorobromomethane	128	6.318	6.318	0.000	87	67134	2.00	1.94	
47 Tetrahydrofuran	71	6.342	6.330	0.012	89	38813	10.0	10.9	
48 Chloroform	83	6.470	6.464	0.006	94	249917	2.00	1.97	
$ 49 Dibromofluoromethane (Surr)	113	6.683	6.677	0.006	93	617342	10.0	9.92	
50 1,1,1-Trichloroethane	97	6.689	6.690	-0.001	98	239759	2.00	2.00	
51 Cyclohexane	56	6.793	6.793	0.000	92	222305	2.00	1.95	
53 1,1-Dichloropropene	75	6.909	6.903	0.006	93	184421	2.00	1.98	
54 Carbon tetrachloride	117	6.903	6.909	-0.006	95	220533	2.00	1.99	
55 Isobutyl alcohol	41	7.092	7.092	0.000	91	67949	100.0	93.2	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.128	7.135	-0.007	70	119524	10.0	10.1	
57 Benzene	78	7.165	7.165	0.000	96	545546	2.00	2.00	
58 1,2-Dichloroethane	62	7.238	7.238	0.000	97	162578	2.00	1.95	
60 Tert-amyl methyl ether	73	7.366	7.354	0.012	98	223543	2.00	2.02	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	98	2349279	10.0	10.0	
62 n-Heptane	43	7.586	7.580	0.006	92	179673	2.00	1.92	
63 n-Butanol	56	7.988	7.976	0.012	88	95379	175.0	180.9	
64 Trichloroethene	95	8.049	8.049	0.000	96	154058	2.00	2.01	
65 Methylcyclohexane	83	8.360	8.360	0.000	91	253260	2.00	2.00	
66 1,2-Dichloropropane	63	8.384	8.378	0.006	92	138522	2.00	2.02	
67 Methyl methacrylate	69	8.476	8.464	0.012	90	63530	2.00	2.55	
69 Dibromomethane	93	8.494	8.488	0.006	92	70654	2.00	2.01	
68 1,4-Dioxane	88	8.512	8.537	-0.025	33	24121	100.0	147.1	
71 Dichlorobromomethane	83	8.726	8.726	0.000	98	181572	2.00	2.00	
72 2-Nitropropane	41	8.994	8.994	0.000	100	103136	10.0	11.6	
75 1-Bromo-2-chloroethane	63	9.122	9.122	0.000	99	131348	2.00	2.03	
76 cis-1,3-Dichloropropene	75	9.280	9.280	0.000	94	209411	2.00	1.99	
77 4-Methyl-2-pentanone (MIBK)	43	9.451	9.451	0.000	98	832319	20.0	24.3	
$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2373030	10.0	10.0	
79 Toluene	92	9.671	9.671	0.000	98	365184	2.00	1.99	
97 trans-1,3-Dichloropropene	75	9.933	9.933	0.000	96	173460	2.00	1.95	
99 Ethyl methacrylate	69	10.000	9.994	0.006	89	131292	2.00	1.90	
S 98 1,3-Dichloropropene, Total	100				0			3.94	
100 1,1,2-Trichloroethane	97	10.140	10.134	0.006	91	100211	2.00	2.00	
101 Tetrachloroethene	166	10.225	10.225	0.000	97	195634	2.00	1.98	
102 1,3-Dichloropropane	76	10.298	10.299	-0.001	93	163140	2.00	1.98	
103 2-Hexanone	43	10.353	10.353	0.000	98	579187	20.0	24.2	
105 Chlorodibromomethane	129	10.518	10.518	0.000	89	135111	2.00	1.96	
106 Ethylene Dibromide	107	10.628	10.628	0.000	98	95514	2.00	1.97	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	-0.001	87	1844928	10.0	10.0	
108 1-Chlorohexane	91	11.073	11.073	0.000	97	200092	2.00	1.90	
109 Chlorobenzene	112	11.085	11.091	-0.006	96	414157	2.00	1.97	
111 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	94	153746	2.00	1.99	
112 Ethylbenzene	91	11.176	11.176	0.000	98	699641	2.00	1.96	
S 110 Xylenes, Total	106				0			5.98	
113 m-Xylene & p-Xylene	106	11.292	11.292	0.000	93	569407	4.00	4.01	
114 o-Xylene	106	11.621	11.621	0.000	96	274369	2.00	1.97	
115 Styrene	104	11.640	11.634	0.006	95	417331	2.00	1.94	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 Bromoform	173	11.792	11.792	0.000	97	85160	2.00	1.90	
117 Isopropylbenzene	105	11.920	11.920	0.000	96	731109	2.00	2.00	
$ 120 4-Bromofluorobenzene (Surr)	95	12.066	12.067	-0.001	96	855599	10.0	9.88	
121 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	94	120006	2.00	1.93	
122 Bromobenzene	156	12.182	12.182	0.000	96	181668	2.00	1.96	
123 trans-1,4-Dichloro-2-butene	53	12.194	12.188	0.006	93	332224	20.0	24.7	
124 1,2,3-Trichloropropane	110	12.213	12.213	0.000	83	33764	2.00	1.92	
125 N-Propylbenzene	91	12.249	12.249	0.000	99	807760	2.00	1.99	
126 2-Chlorotoluene	126	12.329	12.329	0.000	97	177588	2.00	2.02	
127 1,3,5-Trimethylbenzene	105	12.390	12.384	0.006	94	609124	2.00	2.00	
128 4-Chlorotoluene	126	12.420	12.420	0.000	97	174789	2.00	1.99	
129 tert-Butylbenzene	134	12.627	12.627	0.000	93	150650	2.00	1.99	
130 Pentachloroethane	167	12.664	12.664	0.000	92	119732	2.00	2.04	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	624102	2.00	1.99	
132 sec-Butylbenzene	105	12.792	12.792	0.000	94	785059	2.00	2.03	
133 1,3-Dichlorobenzene	146	12.889	12.890	-0.001	99	339776	2.00	1.95	
134 4-Isopropyltoluene	119	12.902	12.902	0.000	97	681258	2.00	1.97	
* 135 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	94	1126529	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.963	12.963	0.000	96	335121	2.00	1.97	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	97	286323	2.00	1.98	
138 Benzyl chloride	126	13.042	13.042	0.000	99	48767	2.00	1.99	
139 n-Butylbenzene	92	13.194	13.188	0.006	97	295236	2.00	1.94	
140 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	324822	2.00	1.96	
142 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	87	19053	2.00	1.87	
143 1,3,5-Trichlorobenzene	180	13.895	13.889	0.006	97	259052	2.00	1.96	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	210756	2.00	1.99	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	96	116814	2.00	1.92	
146 Naphthalene	128	14.493	14.493	0.000	97	386386	2.00	1.96	
147 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	190876	2.00	1.98	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00068	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00077	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00141	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00006	Amount Added:	5.00	Units: uL	Run Reagent

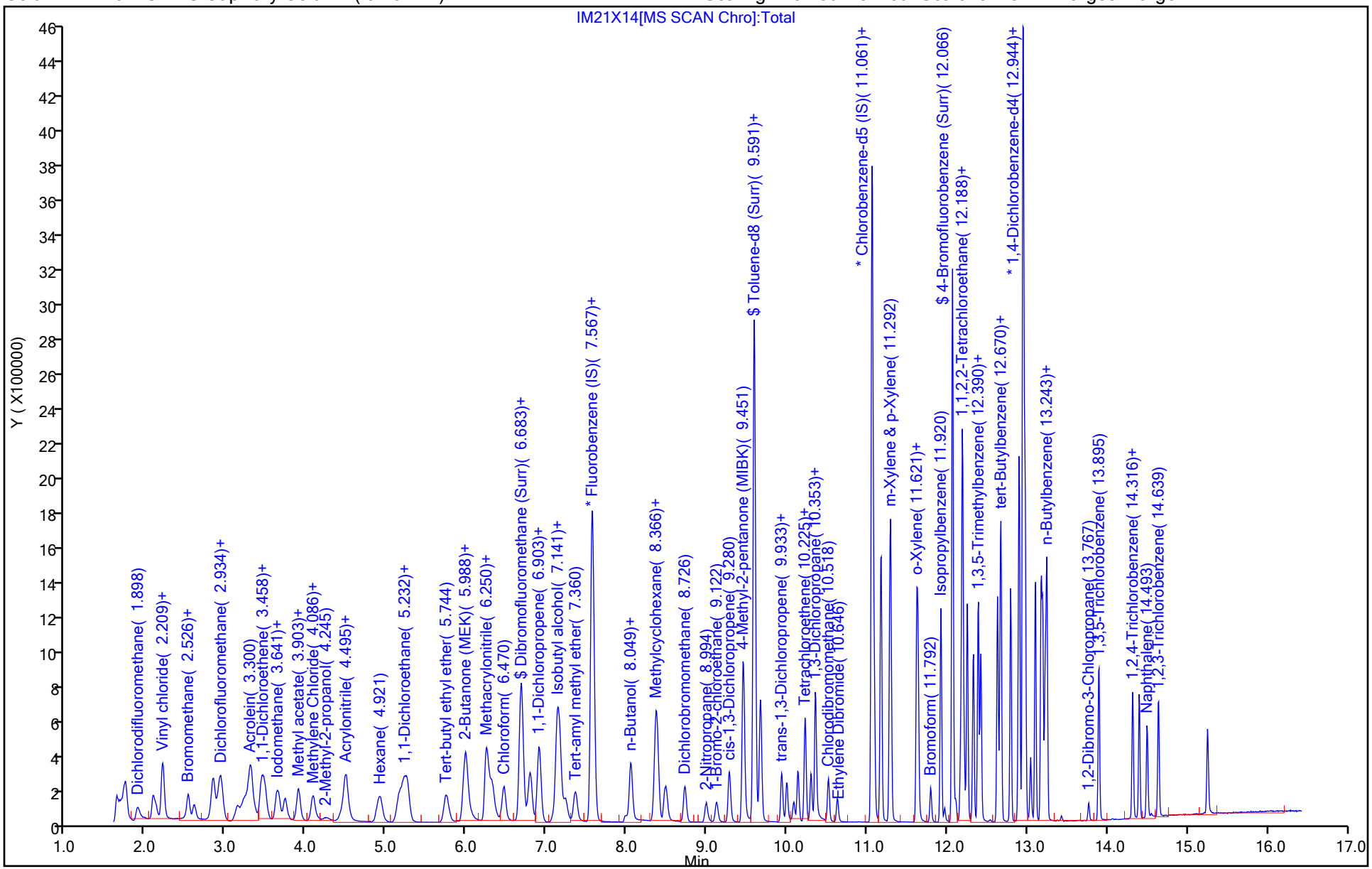
Report Date: 21-Mar-2023 17:37:50 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X14.D

Injection Date:	21-Mar-2023 05:02:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	IC std4			Worklist Smp#:	15
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

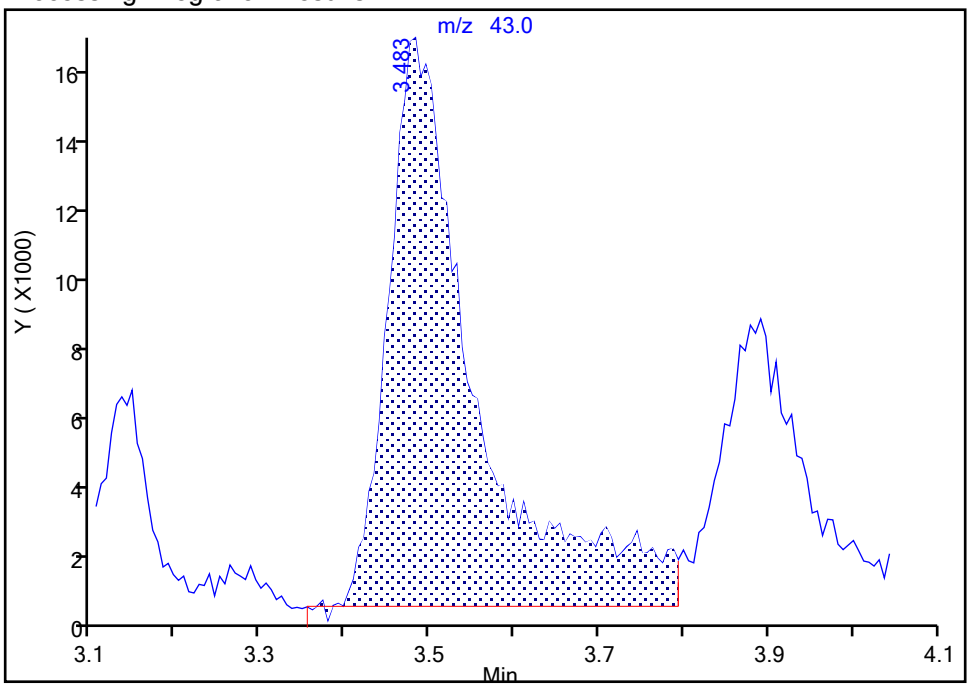
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X14.D
Injection Date: 21-Mar-2023 05:02:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

16 Acetone, CAS: 67-64-1

Signal: 1

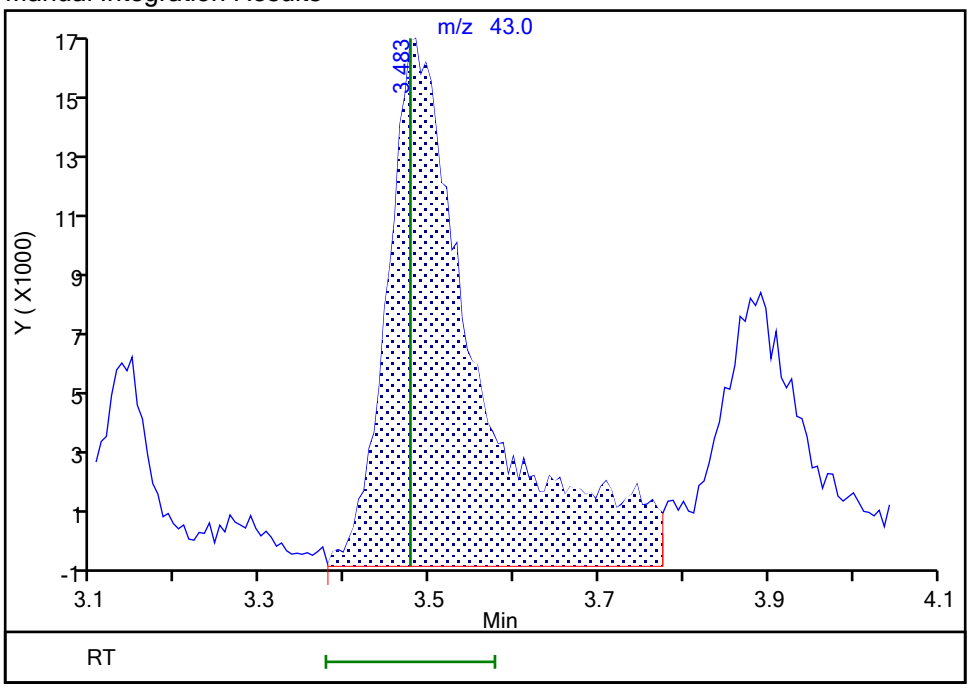
Processing Integration Results

RT: 3.48
Area: 112128
Amount: 19.939760
Amount Units: ug/l



Manual Integration Results

RT: 3.48
Area: 119641
Amount: 19.115609
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:49:46
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

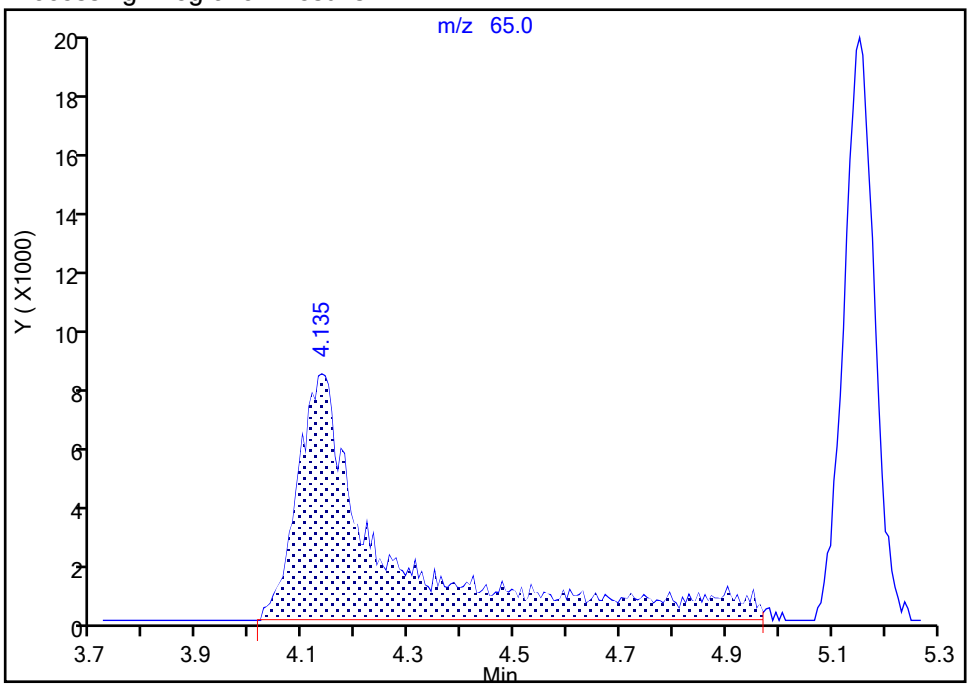
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X14.D
Injection Date: 21-Mar-2023 05:02:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

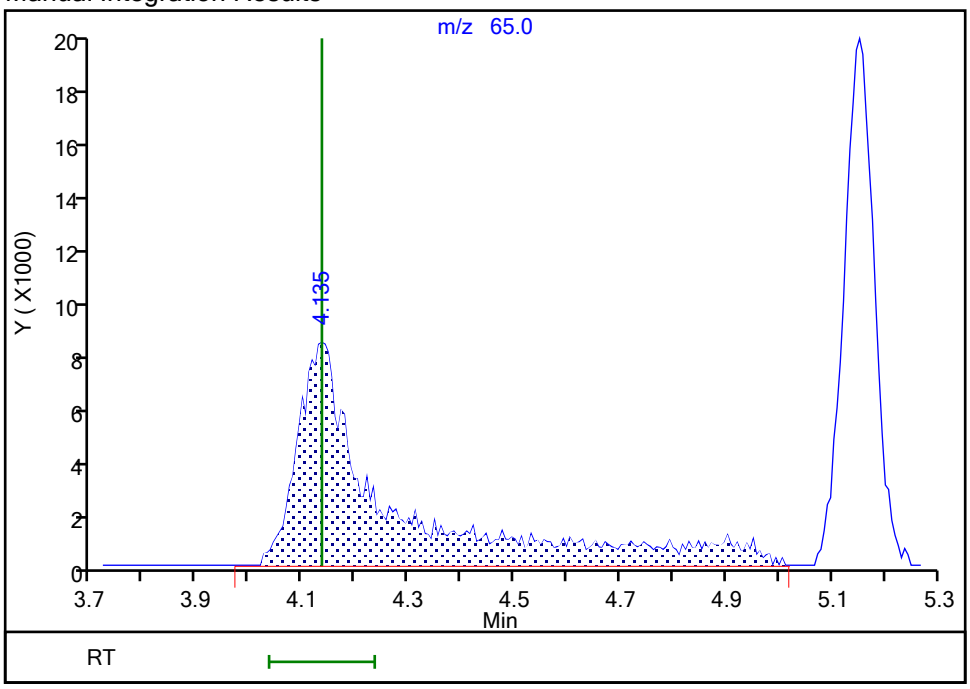
Processing Integration Results

RT: 4.14
Area: 97150
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 4.14
Area: 97646
Amount: 50.000000
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:08:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X15.D
Lims ID: IC std3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Mar-2023 05:22:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079468-016
Operator ID: mec29284 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 21-Mar-2023 17:37:54 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 15:54:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	86495	1.00	0.99	
4 Chloromethane	50	2.093	2.087	0.006	99	93366	1.00	0.9862	
5 Vinyl chloride	62	2.209	2.203	0.006	98	92540	1.00	1.00	
6 Butadiene	39	2.215	2.209	0.006	95	85079	1.00	1.01	
7 Bromomethane	94	2.532	2.526	0.006	92	69186	1.00	0.9662	
8 Chloroethane	64	2.611	2.599	0.012	99	56481	1.00	1.01	
9 Dichlorofluoromethane	67	2.843	2.837	0.006	97	148598	1.00	0.9887	
10 Trichlorofluoromethane	101	2.897	2.898	-0.001	96	147043	1.00	0.9861	
11 Ethyl ether	59	3.135	3.135	0.000	93	48693	1.00	1.00	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.233	3.227	0.006	90	82703	1.00	0.99	
14 Acrolein	56	3.318	3.306	0.012	94	347847	50.0	48.9	
15 1,1-Dichloroethene	96	3.440	3.434	0.006	98	59105	1.00	0.9791	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.483	3.477	0.006	91	67263	1.00	0.9789	
16 Acetone	43	3.495	3.477	0.018	56	84658	10.0	9.86	M
18 Iodomethane	142	3.635	3.629	0.006	100	128674	1.00	0.9828	
19 Ethyl bromide	108	3.659	3.660	-0.001	99	56502	1.00	1.00	
20 Carbon disulfide	76	3.739	3.733	0.006	100	164019	1.00	0.9690	
23 Methyl acetate	43	3.891	3.879	0.012	26	28713	1.00	0.9339	M
24 3-Chloro-1-propene	41	3.909	3.897	0.012	88	96478	1.00	0.9492	
25 Methylene Chloride	84	4.092	4.086	0.006	93	64247	1.00	1.00	
* 26 t-Butyl alcohol-d10 (IS)	65	4.178	4.135	0.043	98	134008	50.0	50.0	
27 2-Methyl-2-propanol	59	4.257	4.263	-0.006	82	43696	20.0	15.6	
28 Acrylonitrile	53	4.440	4.416	0.024	98	25512	2.50	2.44	
29 Methyl tert-butyl ether	73	4.482	4.477	0.005	98	156908	1.00	1.01	
30 trans-1,2-Dichloroethene	96	4.501	4.495	0.006	98	67605	1.00	1.00	
31 Hexane	57	4.921	4.915	0.006	94	88054	1.00	0.9822	
32 1,1-Dichloroethane	63	5.159	5.147	0.012	96	122273	1.00	0.99	
35 Isopropyl ether	45	5.220	5.214	0.006	93	207307	1.00	1.01	
36 2-Chloro-1,3-butadiene	53	5.269	5.263	0.006	93	103414	1.00	0.99	
37 Tert-butyl ethyl ether	59	5.744	5.751	-0.007	97	149693	1.00	1.05	
38 2-Butanone (MEK)	43	5.970	5.958	0.012	96	155219	10.0	9.79	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	5.994	5.982	0.012	82	74915	1.00	1.01	
40 2,2-Dichloropropane	77	6.007	5.995	0.012	78	109766	1.00	0.9794	
43 Propionitrile	54	6.068	6.056	0.012	97	76235	20.0	20.7	
S 41 1,2-Dichloroethene, Total	100				0			2.00	
45 Methacrylonitrile	67	6.250	6.244	0.006	91	161032	10.0	9.53	
46 Chlorobromomethane	128	6.324	6.318	0.006	88	34201	1.00	0.9895	
47 Tetrahydrofuran	71	6.342	6.330	0.012	78	24916	5.00	5.12	
48 Chloroform	83	6.470	6.464	0.006	95	126047	1.00	1.00	
$ 49 Dibromofluoromethane (Surr)	113	6.683	6.677	0.006	94	628564	10.0	10.1	
50 1,1,1-Trichloroethane	97	6.702	6.690	0.012	97	116847	1.00	0.9770	
51 Cyclohexane	56	6.799	6.793	0.006	91	110675	1.00	0.9728	
53 1,1-Dichloropropene	75	6.909	6.903	0.006	91	91929	1.00	0.9880	
54 Carbon tetrachloride	117	6.909	6.909	0.000	95	107065	1.00	0.9671	
55 Isobutyl alcohol	41	7.104	7.092	0.012	36	43526	50.0	43.5	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.128	7.135	-0.007	67	120346	10.0	10.2	
57 Benzene	78	7.165	7.165	0.000	96	270461	1.00	1.00	
58 1,2-Dichloroethane	62	7.238	7.238	0.000	97	82648	1.00	0.99	
60 Tert-amyl methyl ether	73	7.360	7.354	0.006	97	116974	1.00	1.06	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	98	2343275	10.0	10.0	
62 n-Heptane	43	7.586	7.580	0.006	39	84633	1.00	0.9056	
63 n-Butanol	56	8.018	7.976	0.042	79	59654	87.5	82.4	
64 Trichloroethene	95	8.049	8.049	0.000	95	74939	1.00	0.9782	
65 Methylcyclohexane	83	8.360	8.360	0.000	91	119159	1.00	0.9444	
66 1,2-Dichloropropane	63	8.378	8.378	0.000	89	68300	1.00	1.00	
67 Methyl methacrylate	69	8.482	8.464	0.018	88	28442	1.00	0.8305	
69 Dibromomethane	93	8.494	8.488	0.006	92	35015	1.00	1.00	
68 1,4-Dioxane	88	8.634	8.537	0.097	41	15576	50.0	69.2	
71 Dichlorobromomethane	83	8.726	8.726	0.000	97	87831	1.00	0.9678	
72 2-Nitropropane	41	9.000	8.994	0.006	99	54719	5.00	4.47	
75 1-Bromo-2-chloroethane	63	9.116	9.122	-0.006	99	62211	1.00	0.9631	
76 cis-1,3-Dichloropropene	75	9.280	9.280	0.000	94	102636	1.00	0.9791	
77 4-Methyl-2-pentanone (MIBK)	43	9.457	9.451	0.006	98	438008	10.0	9.32	
$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2341910	10.0	10.0	
79 Toluene	92	9.671	9.671	-0.001	98	182395	1.00	1.01	
97 trans-1,3-Dichloropropene	75	9.933	9.933	0.000	95	85183	1.00	0.9714	
99 Ethyl methacrylate	69	10.000	9.994	0.006	89	65507	1.00	0.9626	
S 98 1,3-Dichloropropene, Total	100				0			1.95	
100 1,1,2-Trichloroethane	97	10.140	10.134	0.006	91	50506	1.00	1.02	
101 Tetrachloroethene	166	10.225	10.225	0.000	98	96104	1.00	0.9876	
102 1,3-Dichloropropane	76	10.305	10.299	0.006	91	81544	1.00	1.00	
103 2-Hexanone	43	10.359	10.353	0.006	98	315875	10.0	9.64	
105 Chlorodibromomethane	129	10.518	10.518	0.000	91	64701	1.00	0.9515	
106 Ethylene Dibromide	107	10.628	10.628	0.000	97	48995	1.00	1.02	
* 107 Chlorobenzene-d5 (IS)	117	11.060	11.061	-0.001	86	1818962	10.0	10.0	
108 1-Chlorohexane	91	11.073	11.073	0.000	96	99428	1.00	0.9562	
109 Chlorobenzene	112	11.091	11.091	0.000	96	203081	1.00	0.9787	
111 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	93	75882	1.00	0.99	
112 Ethylbenzene	91	11.176	11.176	0.000	99	346280	1.00	0.9850	
S 110 Xylenes, Total	106				0			3.00	
113 m-Xylene & p-Xylene	106	11.292	11.292	0.000	93	280576	2.00	2.00	
114 o-Xylene	106	11.621	11.621	0.000	96	136591	1.00	1.00	
115 Styrene	104	11.640	11.634	0.006	95	201308	1.00	0.9476	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 Bromoform	173	11.792	11.792	0.000	96	41999	1.00	0.9480	
117 Isopropylbenzene	105	11.920	11.920	0.000	96	350685	1.00	0.9754	
$ 120 4-Bromofluorobenzene (Surr)	95	12.066	12.067	-0.001	96	852245	10.0	9.98	
121 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	96	62163	1.00	1.00	
122 Bromobenzene	156	12.182	12.182	0.000	92	89737	1.00	0.9662	
123 trans-1,4-Dichloro-2-butene	53	12.194	12.188	0.006	95	166532	10.0	9.01	M
124 1,2,3-Trichloropropane	110	12.213	12.213	0.000	82	17353	1.00	0.9871	
125 N-Propylbenzene	91	12.249	12.249	0.000	99	392220	1.00	0.9621	
126 2-Chlorotoluene	126	12.329	12.329	0.000	97	85856	1.00	0.9756	
127 1,3,5-Trimethylbenzene	105	12.389	12.384	0.005	95	301256	1.00	0.9863	
128 4-Chlorotoluene	126	12.420	12.420	0.000	98	85059	1.00	0.9686	
129 tert-Butylbenzene	134	12.627	12.627	0.000	93	72093	1.00	0.9526	
130 Pentachloroethane	167	12.658	12.664	-0.006	80	55674	1.00	0.9485	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	303547	1.00	0.9676	
132 sec-Butylbenzene	105	12.792	12.792	0.000	94	372950	1.00	0.9603	
133 1,3-Dichlorobenzene	146	12.895	12.890	0.005	99	167155	1.00	0.9579	
134 4-Isopropyltoluene	119	12.902	12.902	0.000	97	333364	1.00	0.9608	
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1128630	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.963	12.963	0.000	96	163590	1.00	0.9590	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	137229	1.00	0.9460	
138 Benzyl chloride	126	13.042	13.042	0.000	99	23595	1.00	0.9619	
139 n-Butylbenzene	92	13.188	13.188	0.000	97	140431	1.00	0.9214	
140 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	156806	1.00	0.9466	
142 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	85	10369	1.00	1.02	
143 1,3,5-Trichlorobenzene	180	13.895	13.889	0.006	98	126816	1.00	0.9594	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	93	100826	1.00	0.9485	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	96	57361	1.00	0.9402	
146 Naphthalene	128	14.499	14.493	0.006	97	201570	1.00	1.02	
147 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	96	95399	1.00	0.9884	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00068	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00077	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00141	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00006	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 21-Mar-2023 17:37:55 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X15.D

Injection Date: 21-Mar-2023 05:22:30 Instrument ID: 19930 Operator ID: mec29284

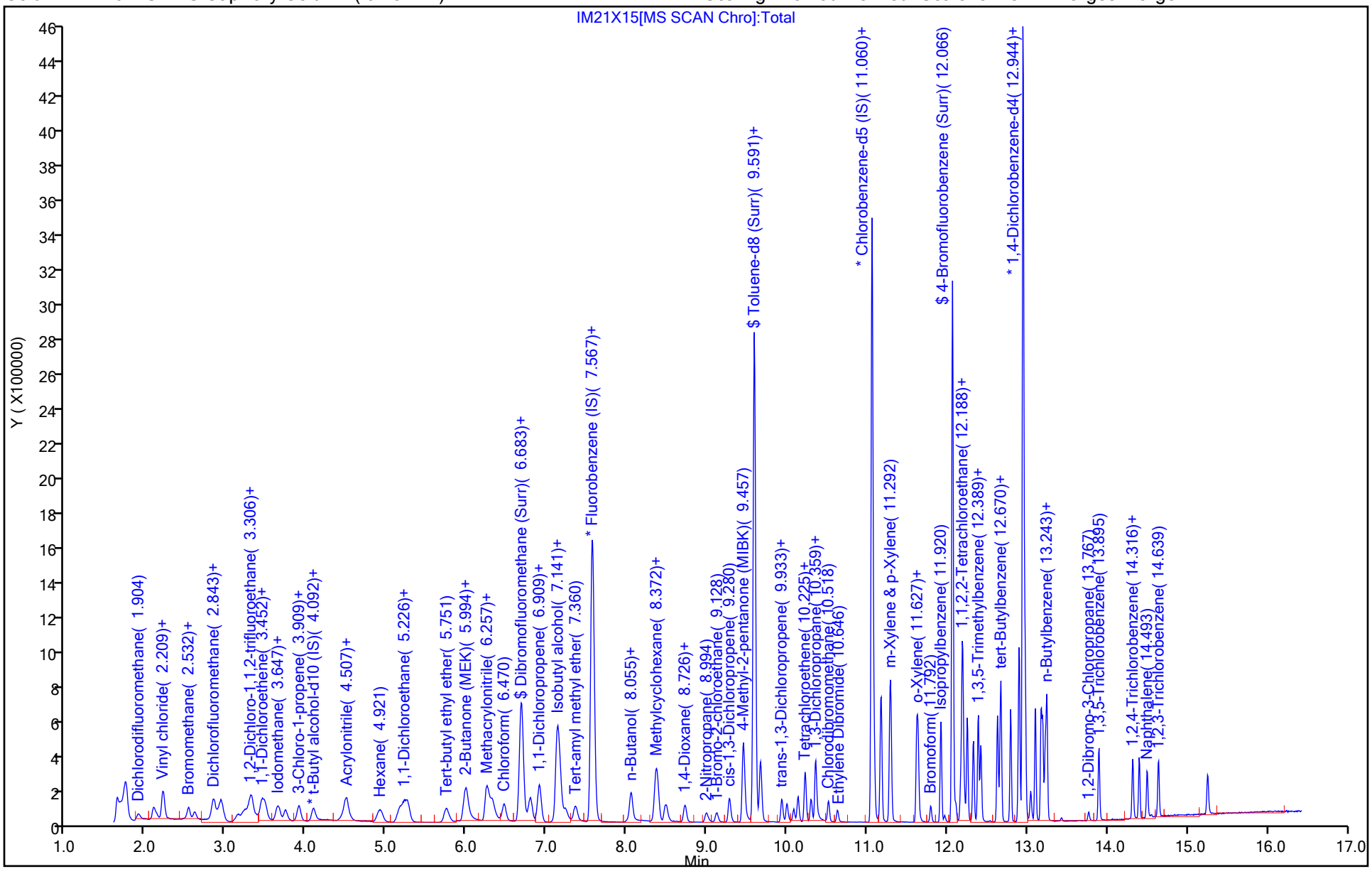
Lims ID: IC std3 Worklist Smp#: 16

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 15

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

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

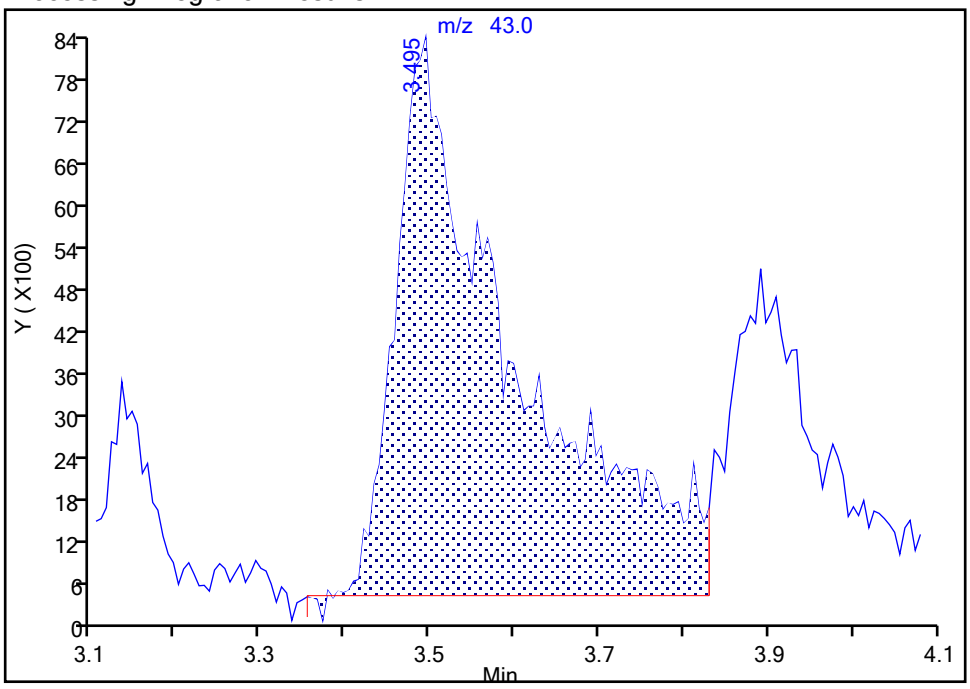
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X15.D				
Injection Date:	21-Mar-2023 05:22:30	Instrument ID:	19930		
Lims ID:	IC std3				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Acetone, CAS: 67-64-1

Signal: 1

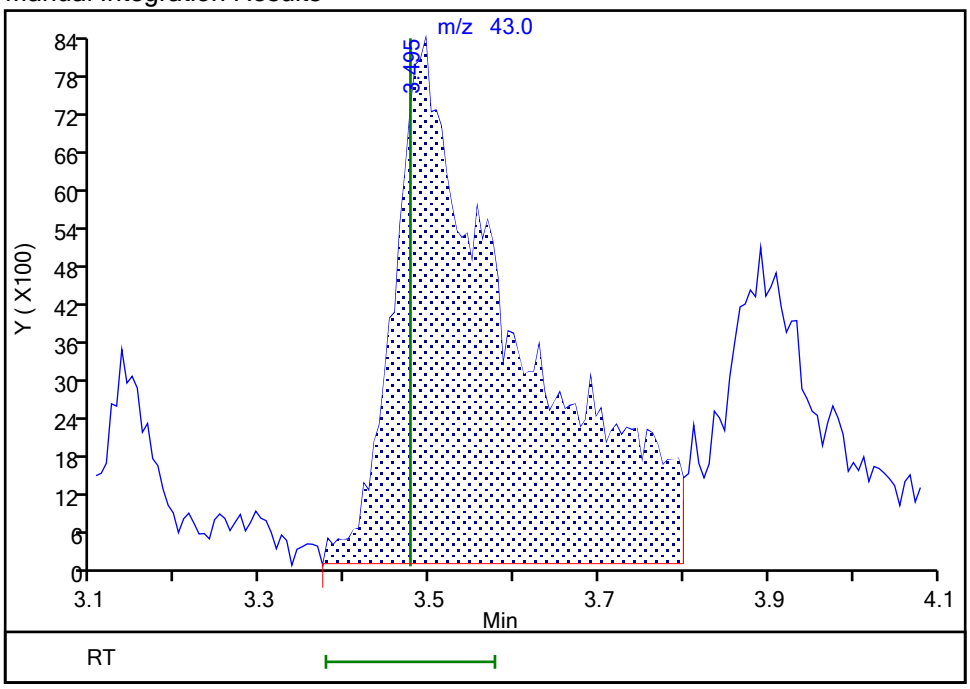
Processing Integration Results

RT: 3.49
Area: 78570
Amount: 8.960887
Amount Units: ug/l



Manual Integration Results

RT: 3.49
Area: 84658
Amount: 9.855981
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:52:06
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

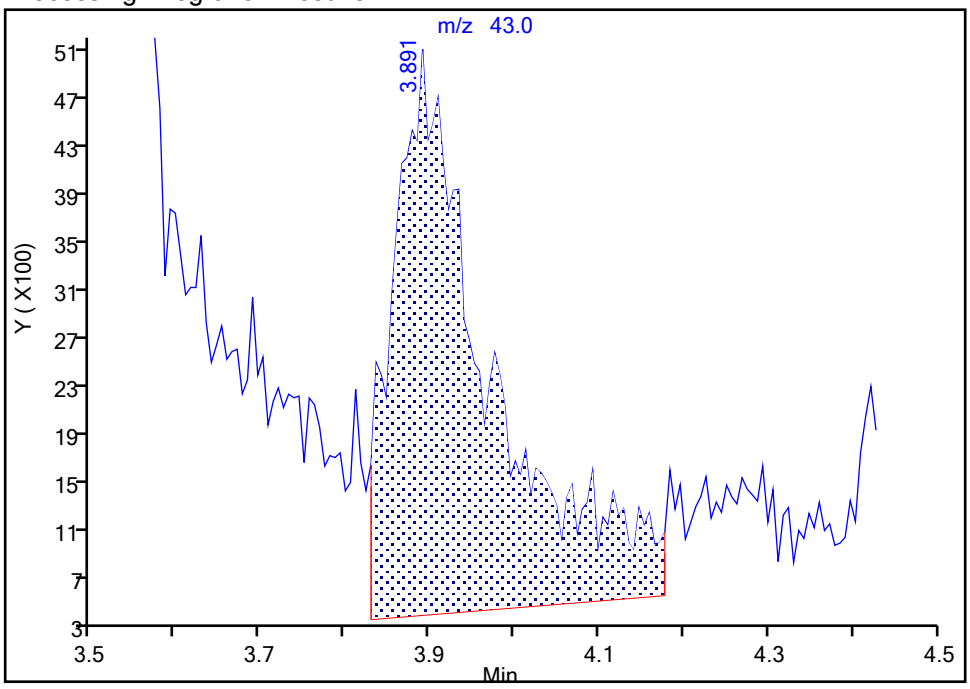
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X15.D
Injection Date: 21-Mar-2023 05:22:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

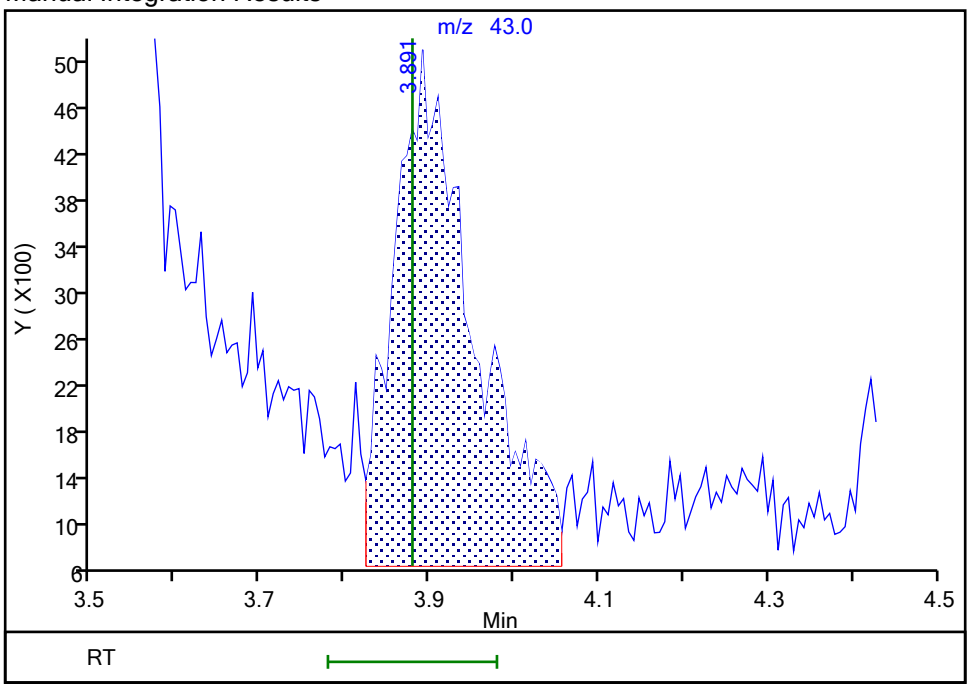
Processing Integration Results

RT: 3.89
Area: 37538
Amount: 1.249303
Amount Units: ug/l



Manual Integration Results

RT: 3.89
Area: 28713
Amount: 0.933875
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:52:27
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

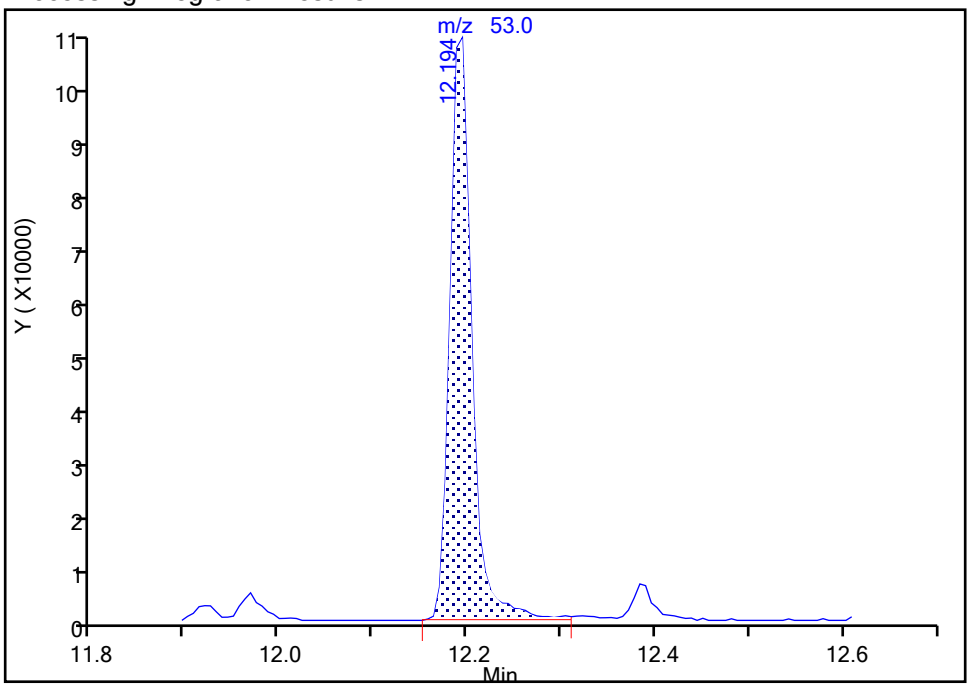
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X15.D
Injection Date: 21-Mar-2023 05:22:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

123 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

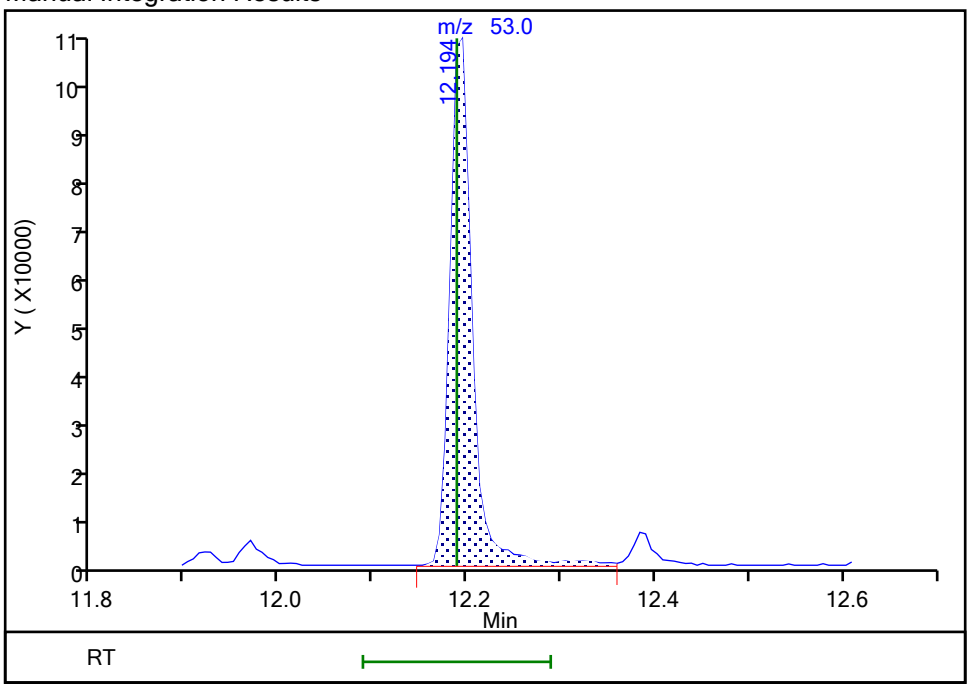
Processing Integration Results

RT: 12.19
Area: 164852
Amount: 8.864562
Amount Units: ug/l



Manual Integration Results

RT: 12.19
Area: 166532
Amount: 9.014690
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:27:01
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\19930\20230321-79468.b\IM21X16.D
Lims ID: IC std2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Mar-2023 05:42:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079468-017
Operator ID: mec29284 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 21-Mar-2023 17:38:00 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 15:56:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.910	1.898	0.012	99	41469	0.5000	0.4816	
4 Chloromethane	50	2.093	2.087	0.006	99	48039	0.5000	0.5146	
5 Vinyl chloride	62	2.209	2.203	0.006	97	46214	0.5000	0.5077	
6 Butadiene	39	2.221	2.209	0.012	97	42370	0.5000	0.5088	
7 Bromomethane	94	2.532	2.526	0.006	90	35058	0.5000	0.4965	
8 Chloroethane	64	2.611	2.599	0.012	99	27735	0.5000	0.5013	
9 Dichlorofluoromethane	67	2.849	2.837	0.012	96	75447	0.5000	0.5091	
10 Trichlorofluoromethane	101	2.910	2.898	0.012	97	73208	0.5000	0.4979	
11 Ethyl ether	59	3.147	3.135	0.012	92	23667	0.5000	0.4915	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.233	3.227	0.006	88	41867	0.5000	0.5094	
14 Acrolein	56	3.318	3.306	0.012	94	186326	25.0	22.9	
15 1,1-Dichloroethene	96	3.452	3.434	0.018	98	31308	0.5000	0.5260	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.489	3.477	0.012	91	33597	0.5000	0.4959	
16 Acetone	43	3.483	3.477	0.006	85	53587	5.00	5.45	
18 Iodomethane	142	3.635	3.629	0.006	99	67478	0.5000	0.5227	
19 Ethyl bromide	108	3.666	3.660	0.006	81	28335	0.5010	0.5101	
20 Carbon disulfide	76	3.745	3.733	0.012	100	86787	0.5000	0.5200	
23 Methyl acetate	43	3.885	3.879	0.006	23	15241	0.5000	0.4328	M
24 3-Chloro-1-propene	41	3.916	3.897	0.019	88	53339	0.5000	0.5322	
25 Methylene Chloride	84	4.092	4.086	0.006	96	32518	0.5000	0.5142	
* 26 t-Butyl alcohol-d10 (IS)	65	4.117	4.135	-0.018	94	153492	50.0	50.0	
27 2-Methyl-2-propanol	59	4.233	4.263	-0.030	98	39817	10.0	12.4	
28 Acrylonitrile	53	4.464	4.416	0.048	60	14375	1.25	1.20	M
29 Methyl tert-butyl ether	73	4.483	4.477	0.006	95	78046	0.5000	0.5100	
30 trans-1,2-Dichloroethene	96	4.495	4.495	0.000	98	35040	0.5000	0.5232	
31 Hexane	57	4.921	4.915	0.006	95	43907	0.5000	0.4967	
32 1,1-Dichloroethane	63	5.159	5.147	0.012	95	60447	0.5000	0.4975	
35 Isopropyl ether	45	5.220	5.214	0.006	91	104135	0.5000	0.5132	
36 2-Chloro-1,3-butadiene	53	5.269	5.263	0.006	93	52111	0.5000	0.5063	
37 Tert-butyl ethyl ether	59	5.751	5.751	0.000	96	67835	0.5000	0.4820	
38 2-Butanone (MEK)	43	5.964	5.958	0.006	98	80192	5.00	4.41	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	6.001	5.982	0.019	83	37492	0.5000	0.5122	
40 2,2-Dichloropropane	77	6.001	5.995	0.006	72	56427	0.5000	0.5106	
43 Propionitrile	54	6.068	6.056	0.012	91	39618	10.0	9.40	
S 41 1,2-Dichloroethene, Total	100				0			1.04	
45 Methacrylonitrile	67	6.250	6.244	0.006	90	77948	5.00	4.03	
46 Chlorobromomethane	128	6.330	6.318	0.012	91	17972	0.5000	0.5273	
47 Tetrahydrofuran	71	6.348	6.330	0.018	79	12890	2.50	2.31	
48 Chloroform	83	6.470	6.464	0.006	95	64800	0.5000	0.5191	
$ 49 Dibromofluoromethane (Surr)	113	6.683	6.677	0.006	94	615761	10.0	10.1	
50 1,1,1-Trichloroethane	97	6.702	6.690	0.012	97	59704	0.5000	0.5063	
51 Cyclohexane	56	6.799	6.793	0.006	91	56413	0.5000	0.5029	
53 1,1-Dichloropropene	75	6.909	6.903	0.006	90	46595	0.5000	0.5078	
54 Carbon tetrachloride	117	6.909	6.909	0.000	95	54150	0.5000	0.4961	
55 Isobutyl alcohol	41	7.067	7.092	-0.025	83	34050	25.0	29.7	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.128	7.135	-0.007	83	118620	10.0	10.2	
57 Benzene	78	7.165	7.165	0.000	96	137309	0.5000	0.5125	
58 1,2-Dichloroethane	62	7.232	7.238	-0.006	96	41807	0.5000	0.5088	
60 Tert-amyl methyl ether	73	7.366	7.354	0.012	98	50293	0.5000	0.4631	a
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2310552	10.0	10.0	
62 n-Heptane	43	7.586	7.580	0.006	37	45320	0.5000	0.4918	
63 n-Butanol	56	7.988	7.976	0.012	95	32752	43.8	39.5	M
64 Trichloroethene	95	8.055	8.049	0.006	96	39424	0.5000	0.5219	
65 Methylcyclohexane	83	8.360	8.360	0.000	90	62717	0.5000	0.5041	
66 1,2-Dichloropropane	63	8.372	8.378	-0.006	89	33813	0.5000	0.5009	
67 Methyl methacrylate	69	8.482	8.464	0.018	88	14764	0.5000	0.3764	
69 Dibromomethane	93	8.494	8.488	0.006	89	17182	0.5000	0.4974	
68 1,4-Dioxane	88	8.518	8.537	-0.019	33	6296	25.0	24.4	M
71 Dichlorobromomethane	83	8.726	8.726	0.000	98	44403	0.5000	0.4962	
72 2-Nitropropane	41	8.994	8.994	0.000	96	30678	2.50	2.19	
75 1-Bromo-2-chloroethane	63	9.128	9.122	0.006	98	32122	0.5000	0.5044	
76 cis-1,3-Dichloropropene	75	9.280	9.280	0.000	93	48720	0.5000	0.4713	
77 4-Methyl-2-pentanone (MIBK)	43	9.457	9.451	0.006	98	220574	5.00	4.10	
$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2318546	10.0	10.1	
79 Toluene	92	9.671	9.671	0.000	98	89746	0.5000	0.5082	
97 trans-1,3-Dichloropropene	75	9.939	9.933	0.006	95	40458	0.5000	0.4717	
99 Ethyl methacrylate	69	10.000	9.994	0.006	88	33758	0.5000	0.5072	
S 98 1,3-Dichloropropene, Total	100				0			0.9431	
100 1,1,2-Trichloroethane	97	10.140	10.134	0.006	94	24817	0.5000	0.5139	
101 Tetrachloroethene	166	10.231	10.225	0.006	98	49201	0.5000	0.5169	
102 1,3-Dichloropropane	76	10.305	10.299	0.006	91	40890	0.5000	0.5136	
103 2-Hexanone	43	10.359	10.353	0.006	98	151162	5.00	4.03	
105 Chlorodibromomethane	129	10.518	10.518	0.000	89	32144	0.5000	0.4833	
106 Ethylene Dibromide	107	10.634	10.628	0.006	99	23525	0.5000	0.5026	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1779098	10.0	10.0	
108 1-Chlorohexane	91	11.073	11.073	0.000	95	53107	0.5000	0.5221	
109 Chlorobenzene	112	11.091	11.091	0.000	97	104524	0.5000	0.5150	
111 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	92	36378	0.5000	0.4875	
112 Ethylbenzene	91	11.176	11.176	0.000	98	176617	0.5000	0.5137	
S 110 Xylenes, Total	106				0			1.50	
113 m-Xylene & p-Xylene	106	11.292	11.292	0.000	93	136602	1.00	1.00	
114 o-Xylene	106	11.621	11.621	0.000	96	67339	0.5000	0.5027	
115 Styrene	104	11.640	11.634	0.006	95	101109	0.5000	0.4866	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 Bromoform	173	11.798	11.792	0.006	96	20086	0.5000	0.4635	
117 Isopropylbenzene	105	11.920	11.920	0.000	96	173040	0.5000	0.4921	
$ 120 4-Bromofluorobenzene (Surr)	95	12.066	12.067	-0.001	96	839517	10.0	10.1	
121 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	95	31254	0.5000	0.5156	
122 Bromobenzene	156	12.182	12.182	0.000	91	44356	0.5000	0.4901	
123 trans-1,4-Dichloro-2-butene	53	12.194	12.188	0.006	94	79110	5.00	3.74	
124 1,2,3-Trichloropropane	110	12.213	12.213	0.000	83	8741	0.5000	0.5102	
125 N-Propylbenzene	91	12.249	12.249	0.000	99	201563	0.5000	0.5074	
126 2-Chlorotoluene	126	12.329	12.329	0.000	97	42512	0.5000	0.4957	
127 1,3,5-Trimethylbenzene	105	12.390	12.384	0.006	94	147622	0.5000	0.4959	
128 4-Chlorotoluene	126	12.420	12.420	0.000	97	42302	0.5000	0.4943	
129 tert-Butylbenzene	134	12.627	12.627	0.000	93	36437	0.5000	0.4940	
130 Pentachloroethane	167	12.664	12.664	0.000	76	26396	0.5000	0.4615	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	150530	0.5000	0.4924	
132 sec-Butylbenzene	105	12.792	12.792	0.000	94	183924	0.5000	0.4860	
133 1,3-Dichlorobenzene	146	12.896	12.890	0.006	97	81779	0.5000	0.4809	
134 4-Isopropyltoluene	119	12.902	12.902	0.000	97	162097	0.5000	0.4794	
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1099896	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	82622	0.5000	0.4970	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	97	71447	0.5000	0.5054	
138 Benzyl chloride	126	13.042	13.042	0.000	99	10655	0.5000	0.4457	
139 n-Butylbenzene	92	13.194	13.188	0.006	97	67525	0.5000	0.4546	
140 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	81474	0.5000	0.5047	
142 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	84	5204	0.5000	0.5231	
143 1,3,5-Trichlorobenzene	180	13.895	13.889	0.006	97	61109	0.5000	0.4744	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	93	48648	0.5000	0.4696	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	96	29455	0.5000	0.4954	
146 Naphthalene	128	14.499	14.493	0.006	96	92567	0.5000	0.4800	
147 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	44557	0.5000	0.4737	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00068	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00077	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00141	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00006	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 21-Mar-2023 17:38:01 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X16.D

Injection Date: 21-Mar-2023 05:42:30 Instrument ID: 19930 Operator ID: mec29284

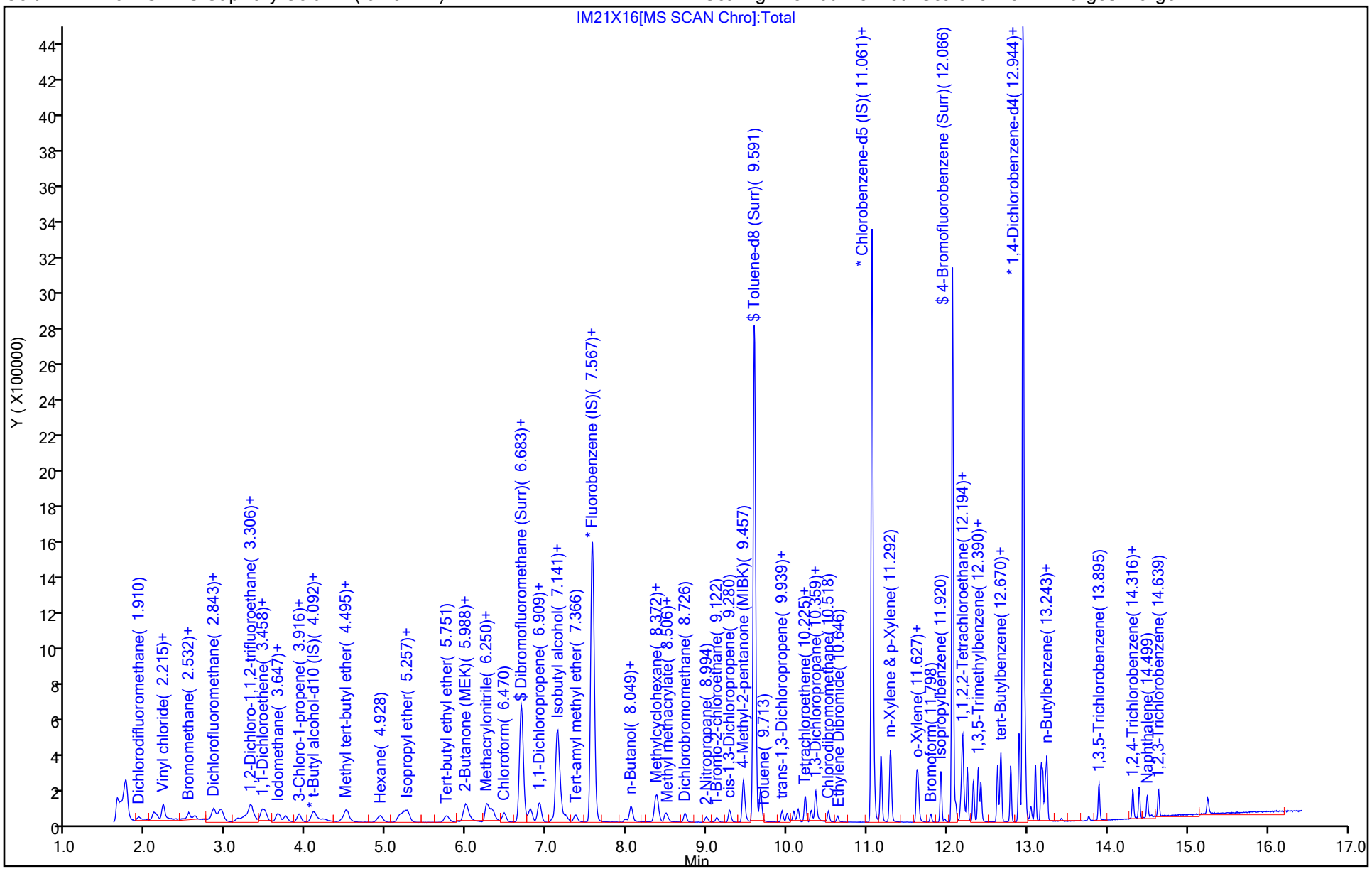
Lims ID: IC std2 Worklist Smp#: 17

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 16

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

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

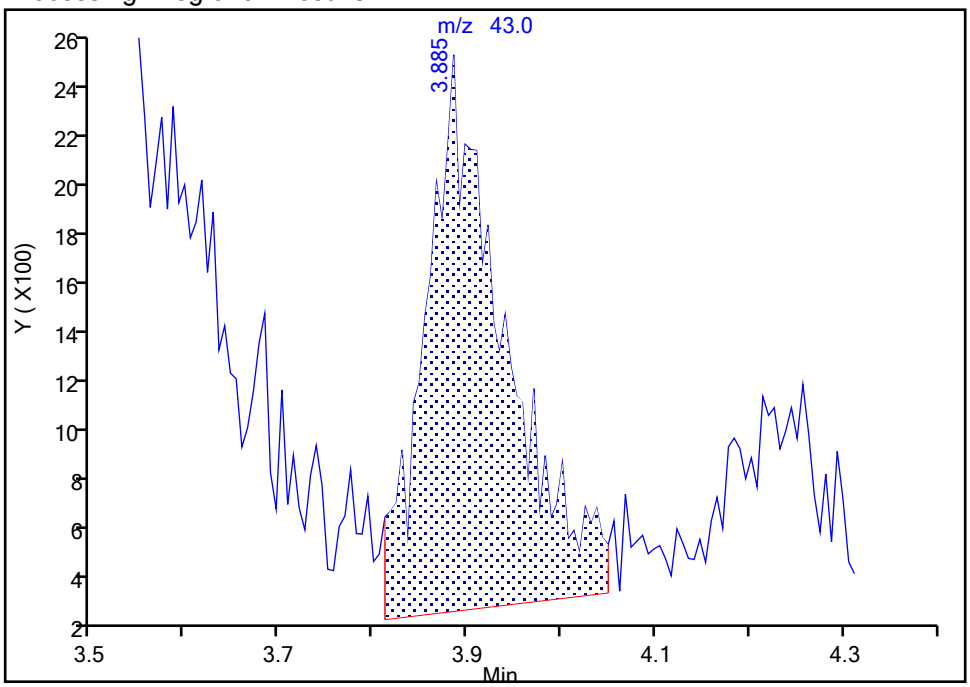
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X16.D
Injection Date: 21-Mar-2023 05:42:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

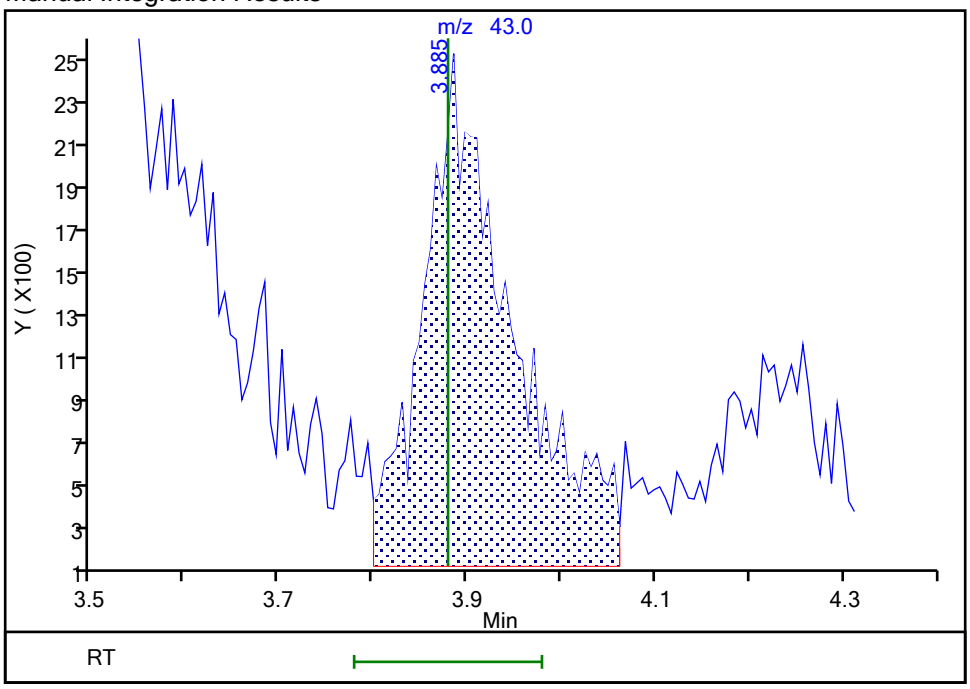
Processing Integration Results

RT: 3.89
Area: 13116
Amount: 0.397794
Amount Units: ug/l



Manual Integration Results

RT: 3.89
Area: 15241
Amount: 0.432782
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:54:48
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

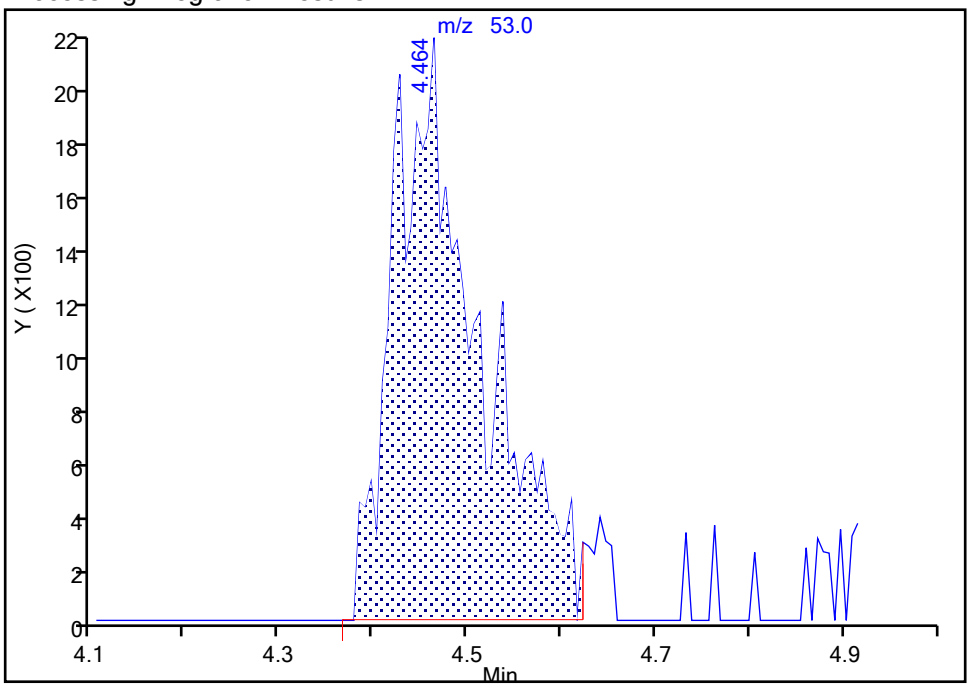
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X16.D
Injection Date: 21-Mar-2023 05:42:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

28 Acrylonitrile, CAS: 107-13-1

Signal: 1

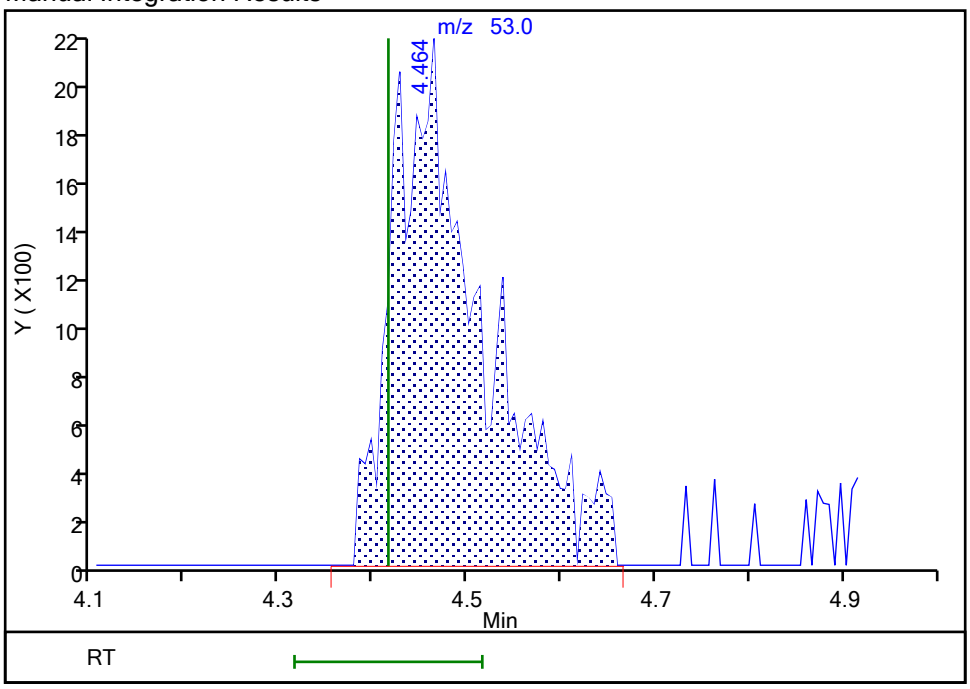
Processing Integration Results

RT: 4.46
Area: 13828
Amount: 1.145690
Amount Units: ug/l



Manual Integration Results

RT: 4.46
Area: 14375
Amount: 1.201628
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:55:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

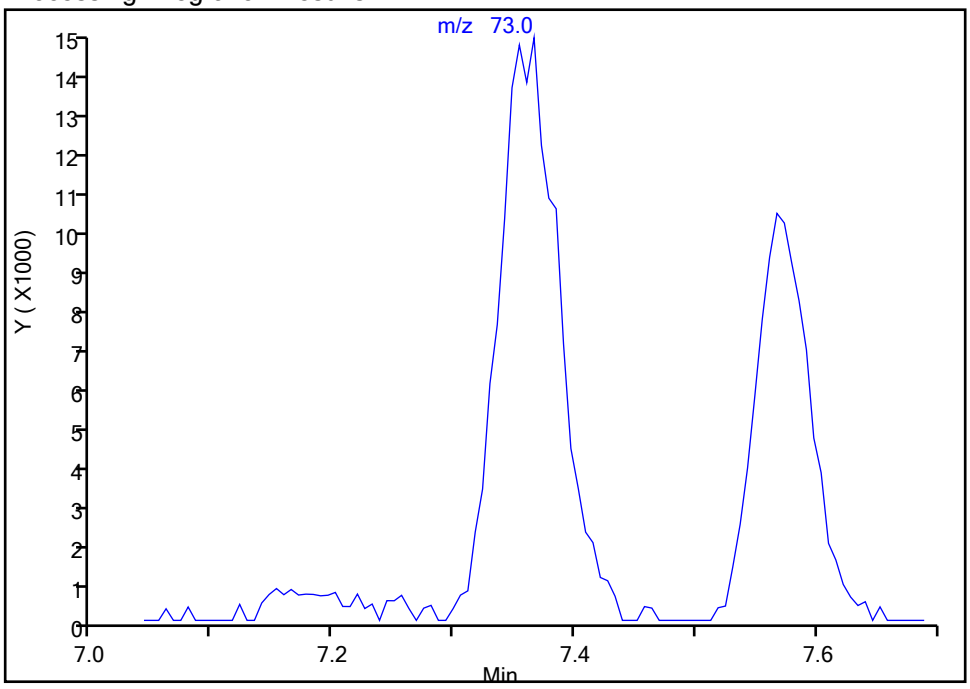
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X16.D
Injection Date: 21-Mar-2023 05:42:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

60 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

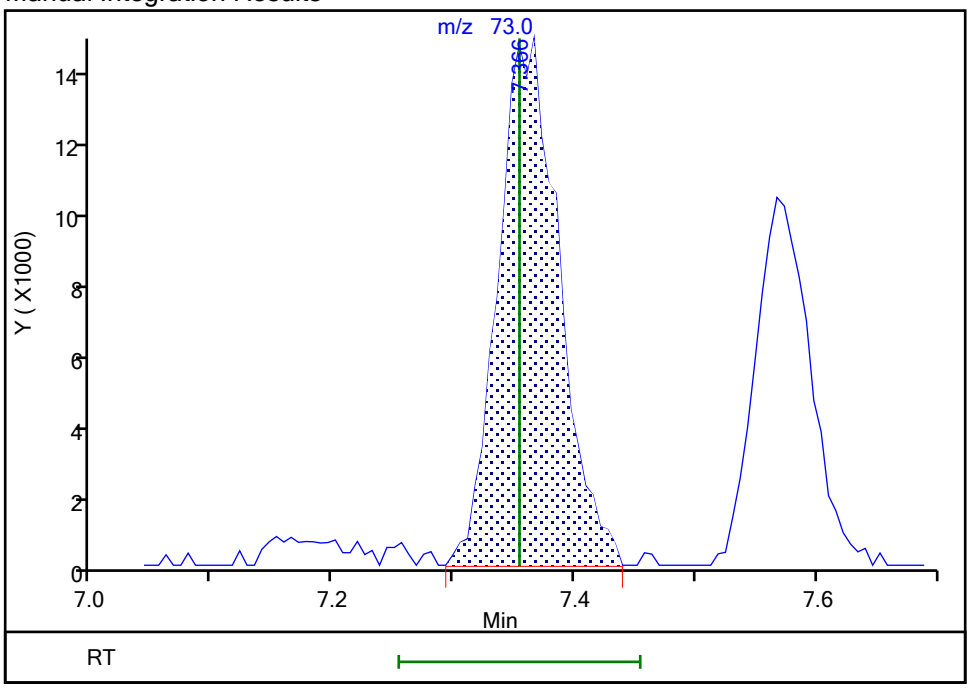
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.37
Area: 50293
Amount: 0.463094
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:55:33
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

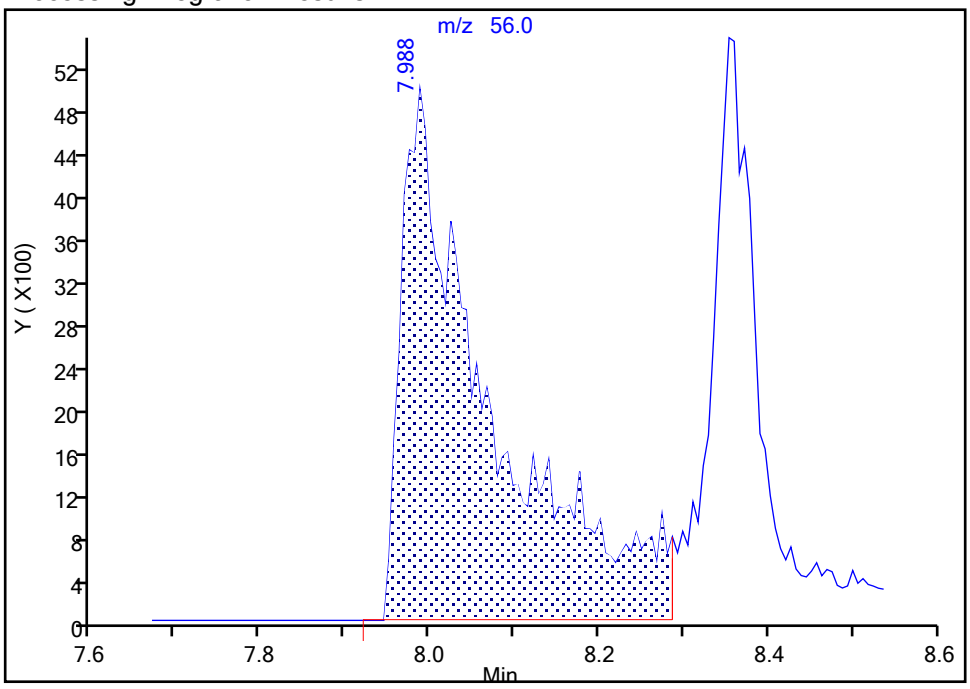
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X16.D
Injection Date: 21-Mar-2023 05:42:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

63 n-Butanol, CAS: 71-36-3

Signal: 1

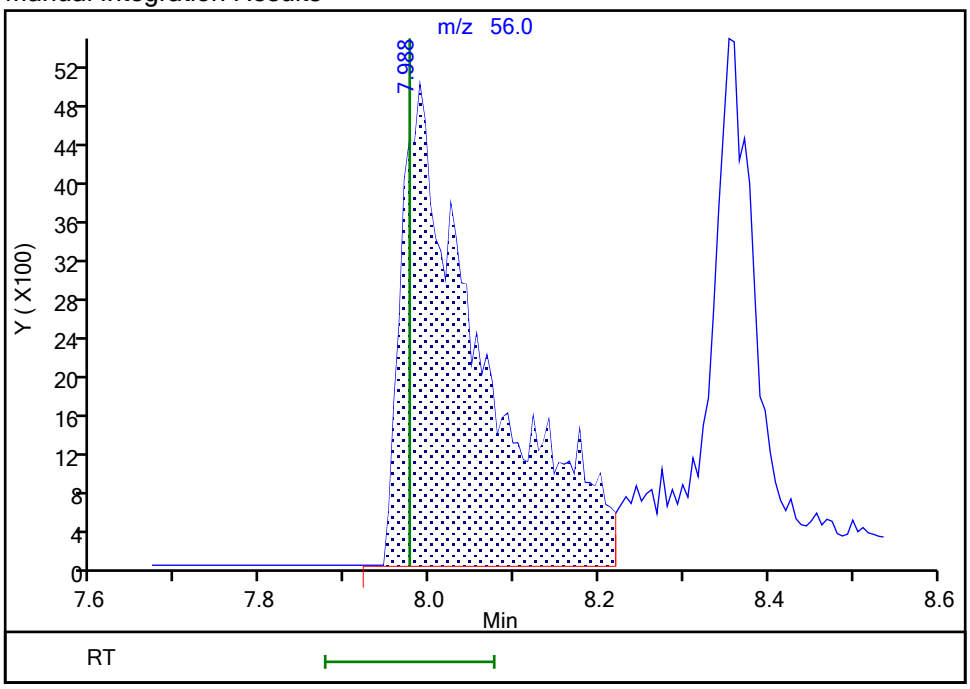
Processing Integration Results

RT: 7.99
Area: 35625
Amount: 43.941193
Amount Units: ug/l



Manual Integration Results

RT: 7.99
Area: 32752
Amount: 39.509341
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:07:35
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

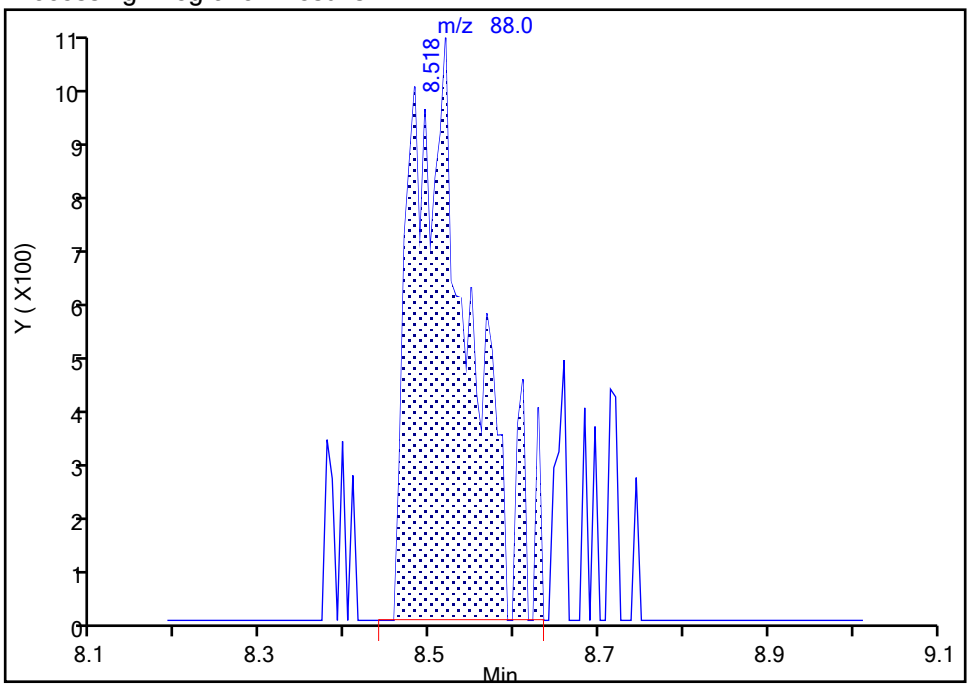
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X16.D
Injection Date: 21-Mar-2023 05:42:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

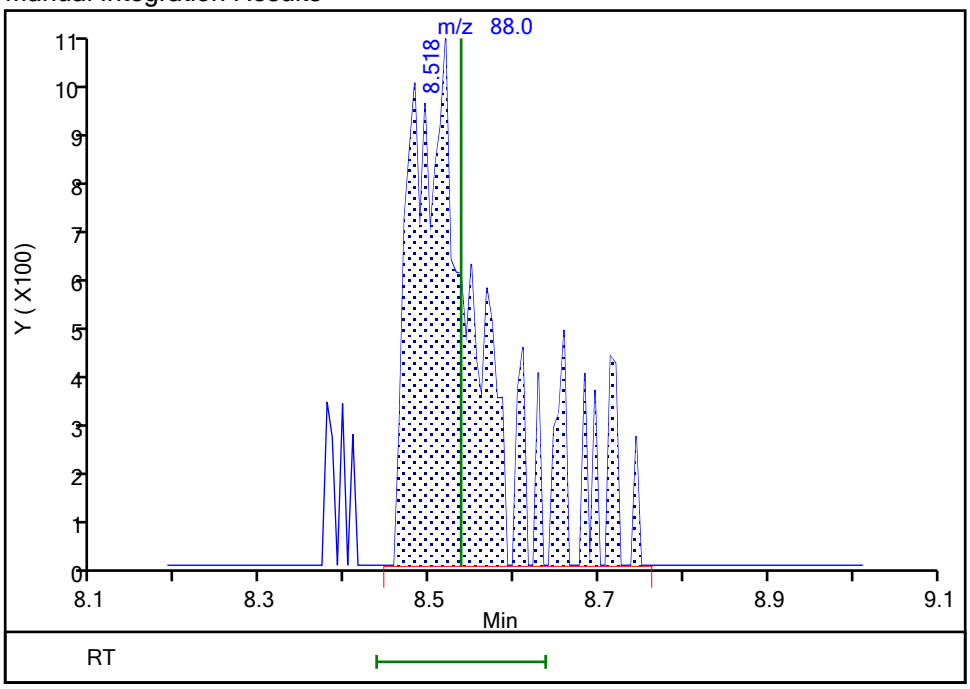
Processing Integration Results

RT: 8.52
Area: 5240
Amount: 21.167113
Amount Units: ug/l



Manual Integration Results

RT: 8.52
Area: 6296
Amount: 24.426812
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:56:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
Lims ID: IC std1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Mar-2023 06:02:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079468-018
Operator ID: mec29284 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 21-Mar-2023 17:38:06 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 16:07:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.904	1.898	0.006	98	17110	0.2000	0.2008	
4 Chloromethane	50	2.093	2.087	0.006	98	20747	0.2000	0.2246	
5 Vinyl chloride	62	2.209	2.203	0.006	92	18650	0.2000	0.2070	
6 Butadiene	39	2.215	2.209	0.006	93	19058	0.2000	0.2313	
7 Bromomethane	94	2.532	2.526	0.006	92	14521	0.2000	0.2078	
8 Chloroethane	64	2.605	2.599	0.006	95	11084	0.2000	0.2024	
9 Dichlorofluoromethane	67	2.837	2.837	0.000	94	32448	0.2000	0.2213	
10 Trichlorofluoromethane	101	2.898	2.898	0.000	95	30095	0.2000	0.2068	
11 Ethyl ether	59	3.141	3.135	0.006	91	9452	0.2000	0.1983	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.221	3.227	-0.006	36	17475	0.2000	0.2149	
14 Acrolein	56	3.318	3.306	0.012	99	66213	10.0	9.87	
15 1,1-Dichloroethene	96	3.440	3.434	0.006	98	11991	0.2000	0.2036	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.483	3.477	0.006	92	13036	0.2000	0.1944	
16 Acetone	43	3.495	3.477	0.018	94	22153	2.00	2.73	M
18 Iodomethane	142	3.641	3.629	0.012	98	25378	0.2000	0.1987	
19 Ethyl bromide	108	3.653	3.660	-0.007	52	10854	0.2004	0.1975	
20 Carbon disulfide	76	3.745	3.733	0.012	99	33647	0.2000	0.2037	
23 Methyl acetate	43	3.940	3.879	0.061	25	8017	0.2000	0.2763	M
24 3-Chloro-1-propene	41	3.910	3.897	0.013	86	20765	0.2000	0.2094	
25 Methylene Chloride	84	4.092	4.086	0.006	95	12493	0.2000	0.1996	
* 26 t-Butyl alcohol-d10 (IS)	65	4.123	4.135	-0.012	94	126445	50.0	50.0	
27 2-Methyl-2-propanol	59	4.251	4.263	-0.012	34	11132	4.00	4.22	M
28 Acrylonitrile	53	4.464	4.416	0.048	27	3733	0.5000	0.3788	
29 Methyl tert-butyl ether	73	4.489	4.477	0.012	92	30341	0.2000	0.2003	
30 trans-1,2-Dichloroethene	96	4.507	4.495	0.012	95	13932	0.2000	0.2102	
31 Hexane	57	4.922	4.915	0.007	92	15447	0.2000	0.1766	
32 1,1-Dichloroethane	63	5.165	5.147	0.018	95	23853	0.2000	0.1984	
35 Isopropyl ether	45	5.208	5.214	-0.006	93	38342	0.2000	0.1910	
36 2-Chloro-1,3-butadiene	53	5.263	5.263	0.000	93	19317	0.2000	0.1897	
37 Tert-butyl ethyl ether	59	5.751	5.751	0.000	96	27255	0.2000	0.1957	
38 2-Butanone (MEK)	43	5.982	5.958	0.024	85	29871	2.00	2.00	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	6.001	5.982	0.019	79	13988	0.2000	0.1931	
40 2,2-Dichloropropane	77	6.013	5.995	0.018	89	21814	0.2000	0.1995	
43 Propionitrile	54	6.080	6.056	0.024	30	10606	4.00	3.06	M
S 41 1,2-Dichloroethene, Total	100				0			0.4033	
45 Methacrylonitrile	67	6.257	6.244	0.013	93	30294	2.00	1.90	
46 Chlorobromomethane	128	6.330	6.318	0.012	81	6246	0.2000	0.1852	
47 Tetrahydrofuran	71	6.348	6.330	0.018	77	4457	1.00	0.9703	
48 Chloroform	83	6.476	6.464	0.012	94	23932	0.2000	0.1937	
$ 49 Dibromofluoromethane (Surr)	113	6.683	6.677	0.006	93	600251	10.0	9.91	
50 1,1,1-Trichloroethane	97	6.696	6.690	0.006	36	22751	0.2000	0.1950	
51 Cyclohexane	56	6.793	6.793	0.000	92	21863	0.2000	0.1969	
53 1,1-Dichloropropene	75	6.909	6.903	0.006	89	17369	0.2000	0.1913	
54 Carbon tetrachloride	117	6.909	6.909	0.000	94	19970	0.2000	0.1849	
55 Isobutyl alcohol	41	7.116	7.092	0.024	33	9875	10.0	10.5	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.134	7.135	-0.001	67	114034	10.0	9.92	
57 Benzene	78	7.165	7.165	0.000	97	52092	0.2000	0.1965	
58 1,2-Dichloroethane	62	7.238	7.238	0.000	91	17147	0.2000	0.2109	
60 Tert-amyl methyl ether	73	7.354	7.354	0.000	96	21381	0.2000	0.1989	
* 61 Fluorobenzene (IS)	96	7.573	7.567	0.006	99	2286473	10.0	10.0	
62 n-Heptane	43	7.586	7.580	0.006	37	18966	0.2000	0.2080	
63 n-Butanol	56	8.171	7.976	0.195	22	8119	17.5	11.9	a
64 Trichloroethene	95	8.067	8.049	0.018	95	14586	0.2000	0.1951	
65 Methylcyclohexane	83	8.360	8.360	0.000	91	23390	0.2000	0.1900	
66 1,2-Dichloropropane	63	8.384	8.378	0.006	81	12331	0.2000	0.1846	
67 Methyl methacrylate	69	8.482	8.464	0.018	82	4729	0.2000	0.1463	M
69 Dibromomethane	93	8.488	8.488	0.000	90	6355	0.2000	0.1859	a
68 1,4-Dioxane	88	8.561	8.537	0.024	28	915	10.0	4.31	M
71 Dichlorobromomethane	83	8.726	8.726	0.000	97	16582	0.2000	0.1872	
72 2-Nitropropane	41	9.000	8.994	0.006	97	11676	1.00	1.01	
75 1-Bromo-2-chloroethane	63	9.128	9.122	0.006	96	12280	0.2000	0.1948	
76 cis-1,3-Dichloropropene	75	9.287	9.280	0.006	94	18856	0.2000	0.1843	
77 4-Methyl-2-pentanone (MIBK)	43	9.457	9.451	0.006	98	81398	2.00	1.83	
$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2293084	10.0	10.1	
79 Toluene	92	9.677	9.671	0.006	97	34373	0.2000	0.1956	
97 trans-1,3-Dichloropropene	75	9.939	9.933	0.006	93	16145	0.2000	0.1892	
99 Ethyl methacrylate	69	10.012	9.994	0.018	87	12480	0.2000	0.1884	
S 98 1,3-Dichloropropene, Total	100				0			0.3735	
100 1,1,2-Trichloroethane	97	10.140	10.134	0.006	93	9264	0.2000	0.1927	
101 Tetrachloroethene	166	10.225	10.225	0.000	96	17910	0.2000	0.1891	
102 1,3-Dichloropropane	76	10.305	10.299	0.006	93	15353	0.2000	0.1938	
103 2-Hexanone	43	10.366	10.353	0.013	97	54958	2.00	1.78	
105 Chlorodibromomethane	129	10.518	10.518	0.000	87	12415	0.2000	0.1876	
106 Ethylene Dibromide	107	10.628	10.628	0.000	94	8713	0.2000	0.1870	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1770499	10.0	10.0	
108 1-Chlorohexane	91	11.073	11.073	0.000	49	21421	0.2000	0.2116	
109 Chlorobenzene	112	11.091	11.091	0.000	95	38651	0.2000	0.1914	
111 1,1,1,2-Tetrachloroethane	131	11.176	11.170	0.006	89	13488	0.2000	0.1816	
112 Ethylbenzene	91	11.176	11.176	0.000	98	65799	0.2000	0.1923	
S 110 Xylenes, Total	106				0			0.5506	
113 m-Xylene & p-Xylene	106	11.292	11.292	0.000	93	49779	0.4000	0.3651	
114 o-Xylene	106	11.621	11.621	0.000	96	24739	0.2000	0.1856	
115 Styrene	104	11.640	11.634	0.006	94	36677	0.2000	0.1774	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 Bromoform	173	11.792	11.792	0.000	95	7927	0.2000	0.1838	
117 Isopropylbenzene	105	11.920	11.920	0.000	95	65240	0.2000	0.1864	
$ 120 4-Bromofluorobenzene (Surr)	95	12.066	12.067	-0.001	96	829348	10.0	9.98	
121 1,1,2,2-Tetrachloroethane	83	12.170	12.164	0.006	94	11706	0.2000	0.1937	
122 Bromobenzene	156	12.182	12.182	0.000	91	18174	0.2000	0.2014	
123 trans-1,4-Dichloro-2-butene	53	12.194	12.188	0.006	93	30616	2.00	1.76	
124 1,2,3-Trichloropropane	110	12.213	12.213	0.000	77	3351	0.2000	0.1962	
125 N-Propylbenzene	91	12.249	12.249	0.000	98	70616	0.2000	0.1783	
126 2-Chlorotoluene	126	12.329	12.329	0.000	97	15738	0.2000	0.1840	
127 1,3,5-Trimethylbenzene	105	12.390	12.384	0.006	95	53572	0.2000	0.1805	
128 4-Chlorotoluene	126	12.426	12.420	0.006	95	15367	0.2000	0.1801	
129 tert-Butylbenzene	134	12.627	12.627	0.000	93	13951	0.2000	0.1897	
130 Pentachloroethane	167	12.658	12.664	-0.006	74	9669	0.2000	0.1695	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	55233	0.2000	0.1812	
132 sec-Butylbenzene	105	12.792	12.792	0.000	94	68845	0.2000	0.1824	
133 1,3-Dichlorobenzene	146	12.896	12.890	0.006	98	31892	0.2000	0.1881	
134 4-Isopropyltoluene	119	12.902	12.902	0.000	98	61116	0.2000	0.1813	
* 135 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	94	1096665	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.969	12.963	0.006	92	31956	0.2000	0.1928	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	97	27998	0.2000	0.1986	
138 Benzyl chloride	126	13.042	13.042	0.000	98	3612	0.2000	0.1515	
139 n-Butylbenzene	92	13.194	13.188	0.006	97	25462	0.2000	0.1719	
140 1,2-Dichlorobenzene	146	13.225	13.225	0.000	97	30112	0.2000	0.1871	
142 1,2-Dibromo-3-Chloropropane	155	13.773	13.767	0.006	83	1695	0.2000	0.1709	
143 1,3,5-Trichlorobenzene	180	13.895	13.889	0.006	96	22925	0.2000	0.1785	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	93	18177	0.2000	0.1760	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	95	12245	0.2000	0.2066	
146 Naphthalene	128	14.499	14.493	0.006	97	38082	0.2000	0.1980	
147 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	92	17765	0.2000	0.1894	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00068	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00077	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00141	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00006	Amount Added:	5.00	Units: uL	Run Reagent

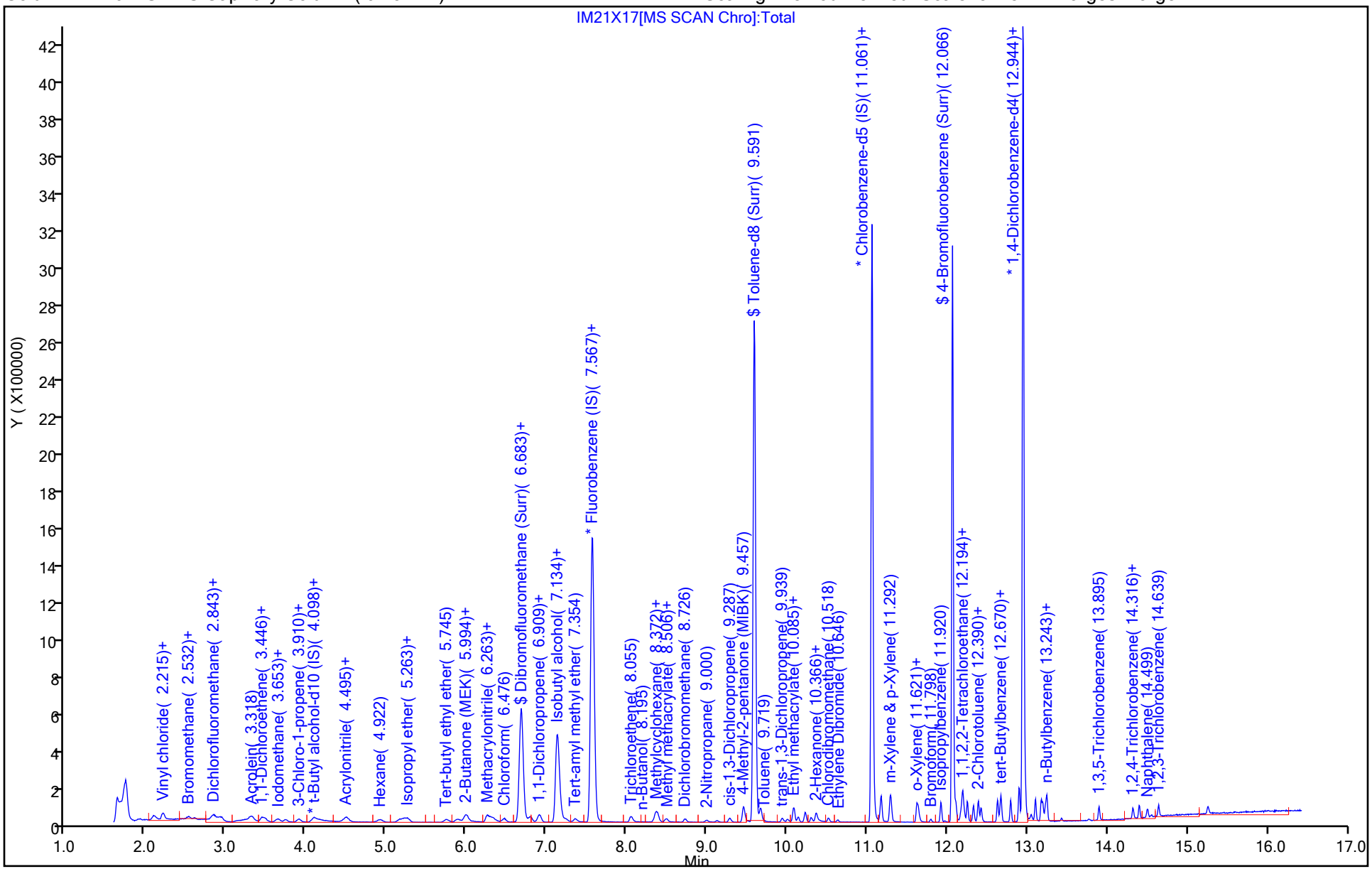
Report Date: 21-Mar-2023 17:38:07 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Injection Date:	21-Mar-2023 06:02:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	IC std1			Worklist Smp#:	18
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

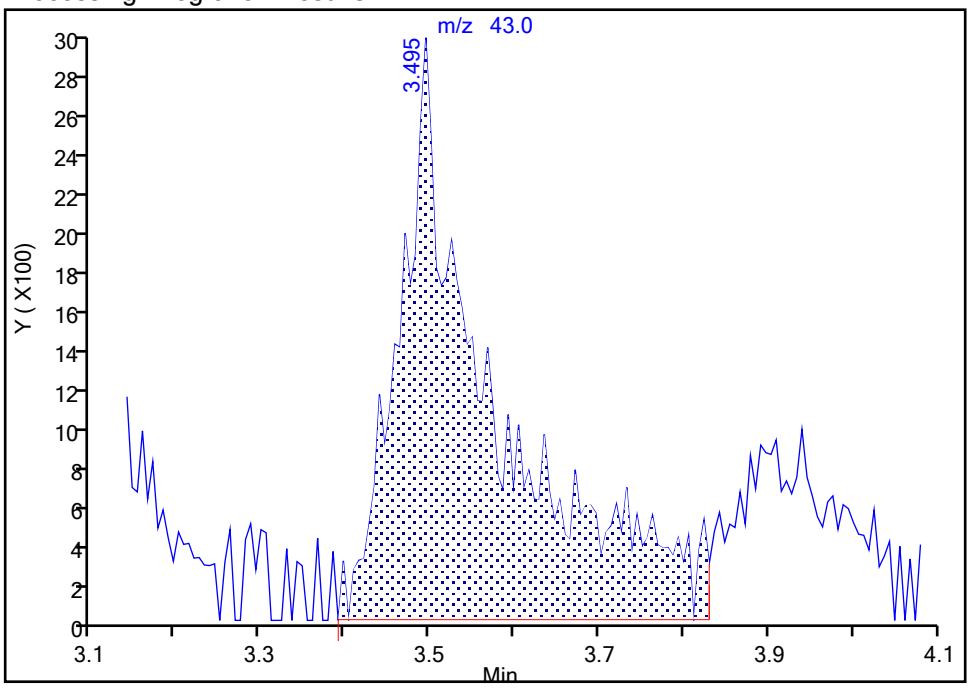
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
Injection Date: 21-Mar-2023 06:02:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

16 Acetone, CAS: 67-64-1

Signal: 1

Processing Integration Results

RT: 3.49
Area: 22686
Amount: 2.753548
Amount Units: ug/l



Manual Integration Results

RT: 3.49
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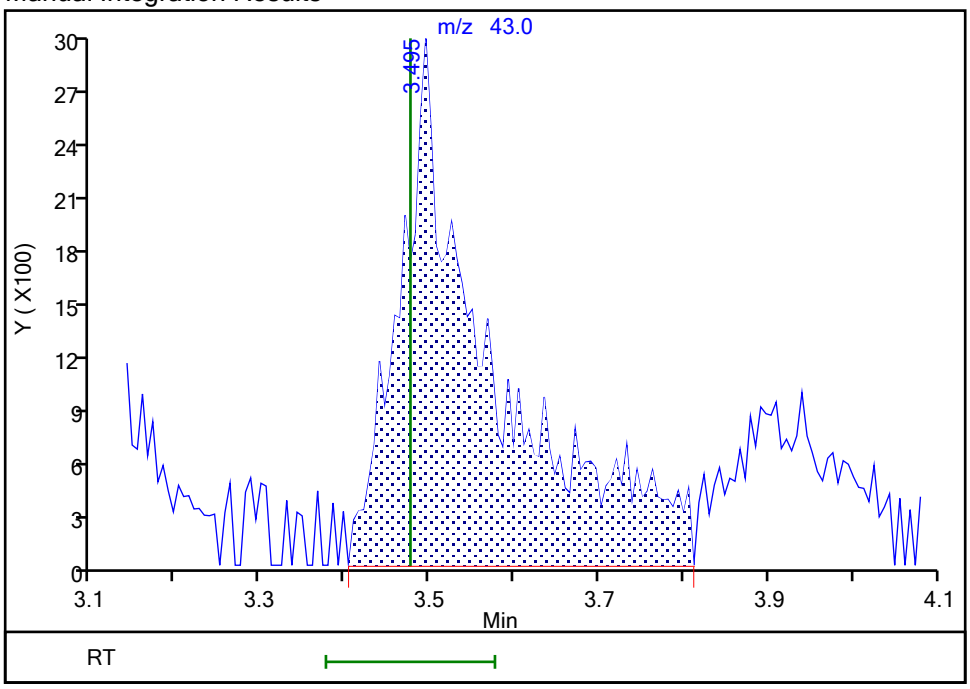
Amount: 2.733339
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 16:02:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

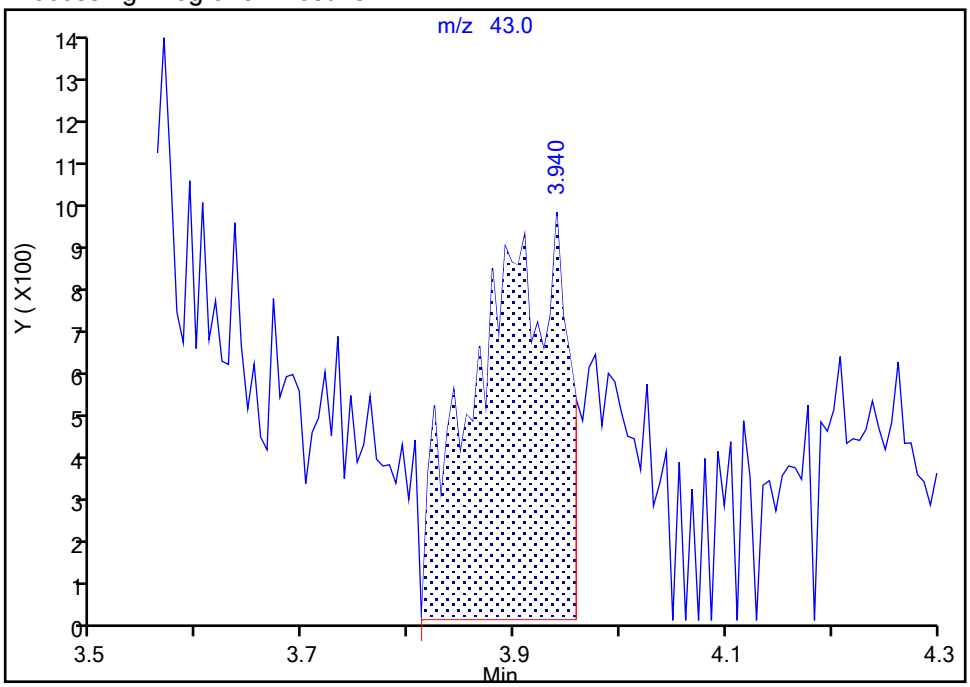
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
Injection Date: 21-Mar-2023 06:02:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

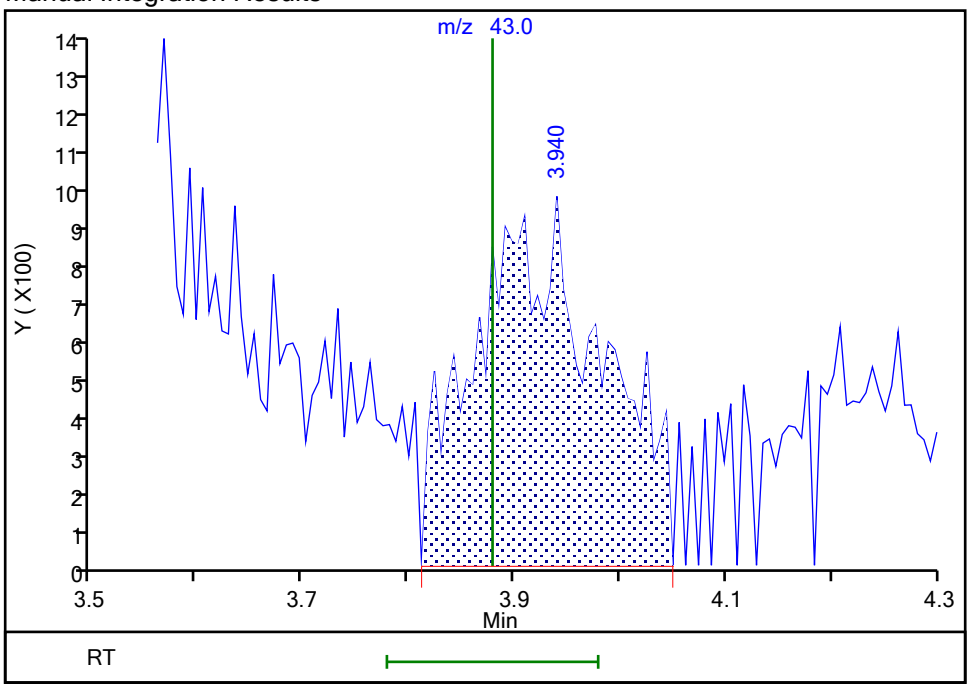
Processing Integration Results

RT: 3.94
Area: 5592
Amount: 0.202155
Amount Units: ug/l



Manual Integration Results

RT: 3.94
Area: 8017
Amount: 0.276345
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:57:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

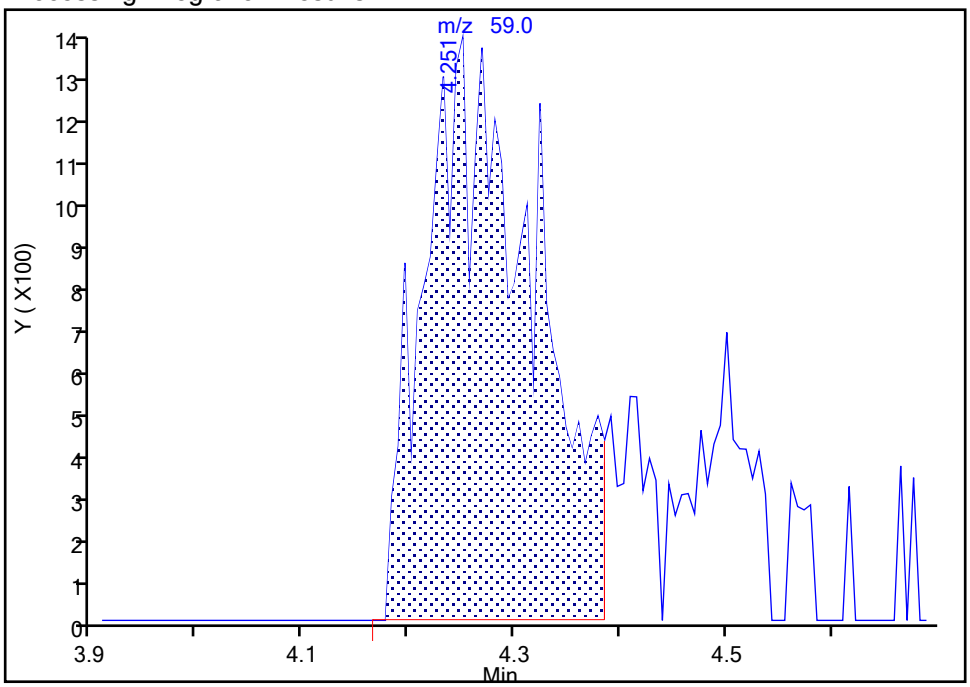
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
Injection Date: 21-Mar-2023 06:02:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

27 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

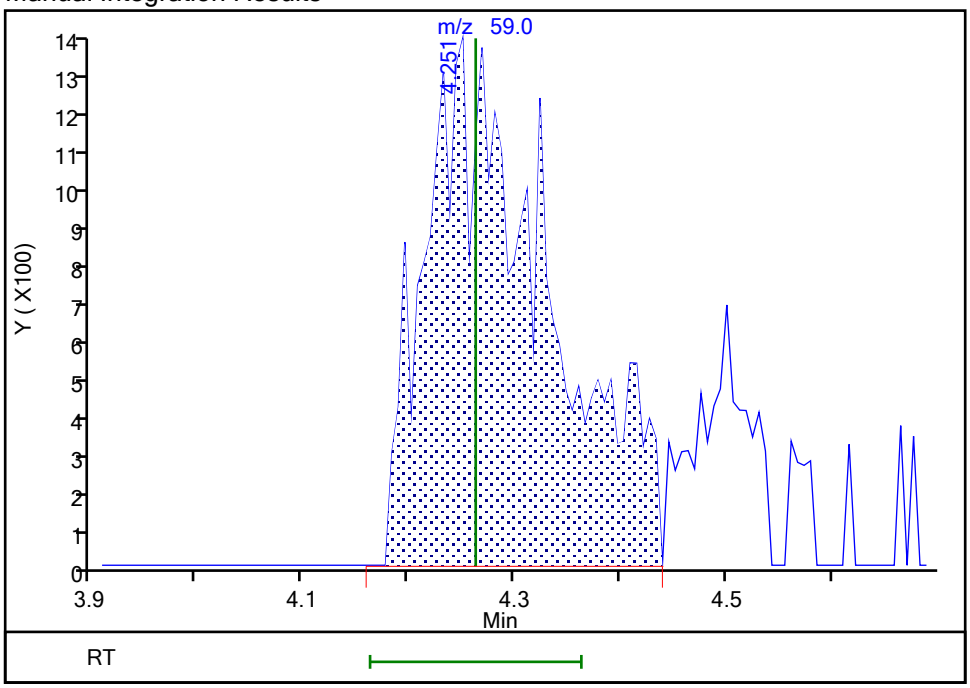
Processing Integration Results

RT: 4.25
Area: 9948
Amount: 3.790427
Amount Units: ug/l



Manual Integration Results

RT: 4.25
Area: 11132
Amount: 4.224428
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:57:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

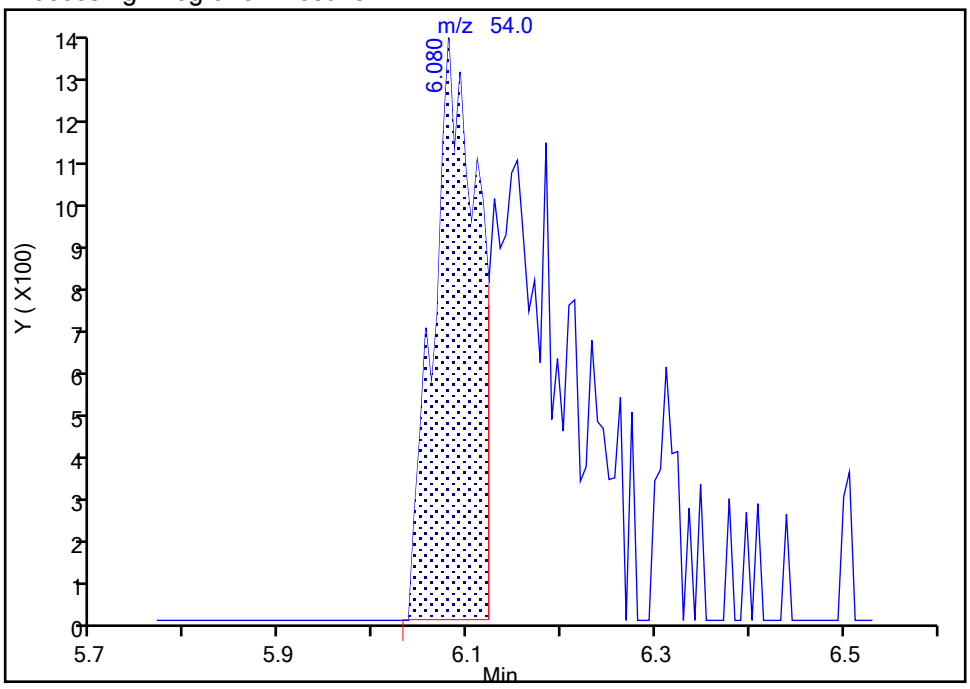
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
Injection Date: 21-Mar-2023 06:02:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

43 Propionitrile, CAS: 107-12-0

Signal: 1

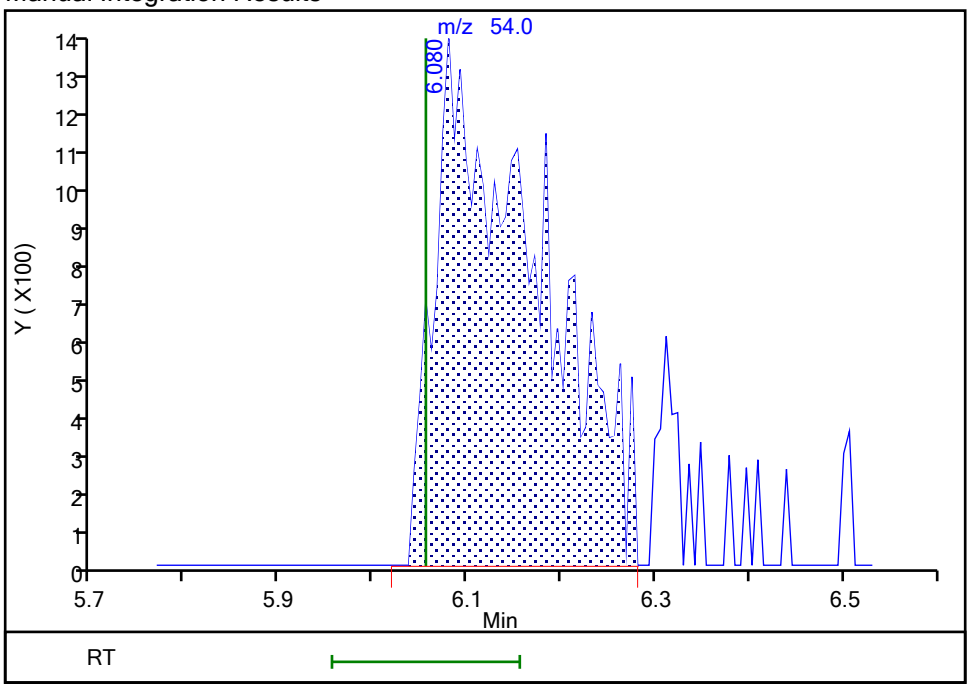
Processing Integration Results

RT: 6.08
Area: 4617
Amount: 3.806844
Amount Units: ug/l



Manual Integration Results

RT: 6.08
Area: 10606
Amount: 3.055648
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:57:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

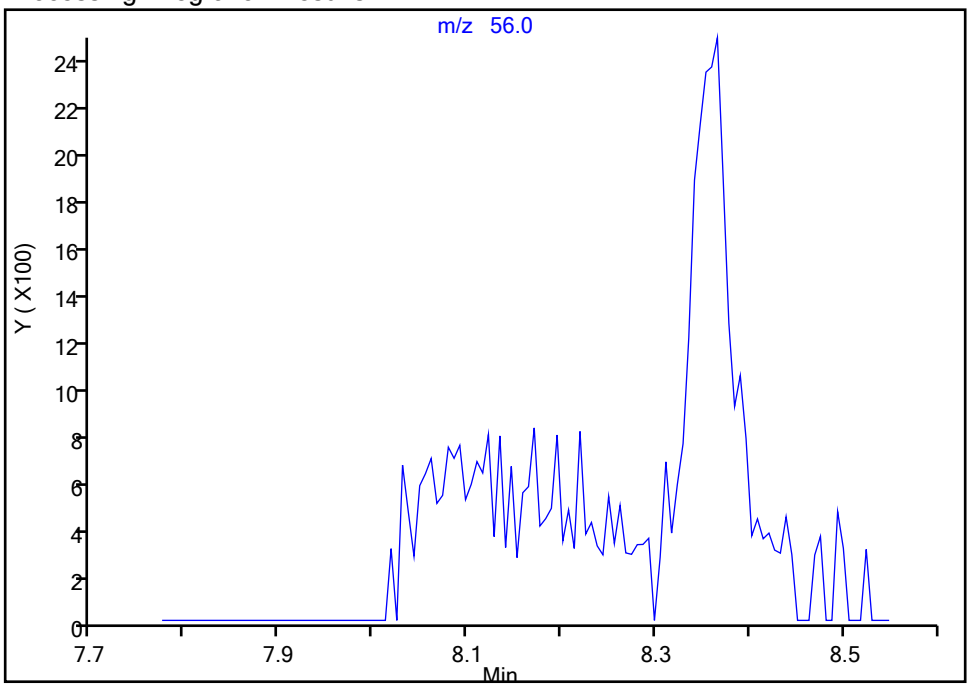
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D				
Injection Date:	21-Mar-2023 06:02:30	Instrument ID:	19930		
Lims ID:	IC std1				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

63 n-Butanol, CAS: 71-36-3

Signal: 1

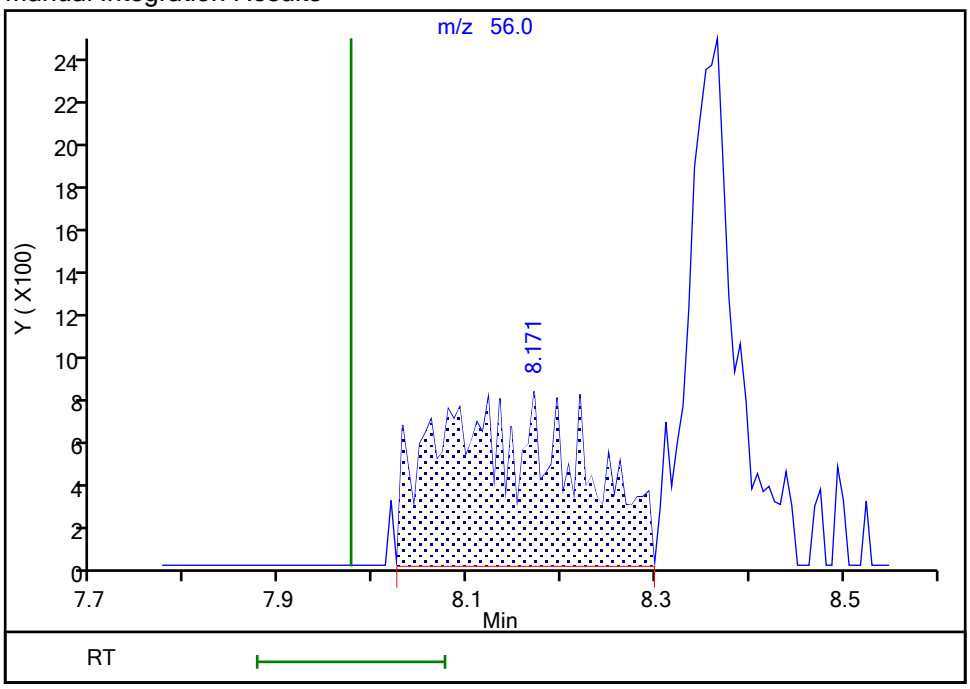
Not Detected
Expected RT: 7.98

Processing Integration Results



Manual Integration Results

RT: 8.17
Area: 8119
Amount: 11.889089
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:57:53
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

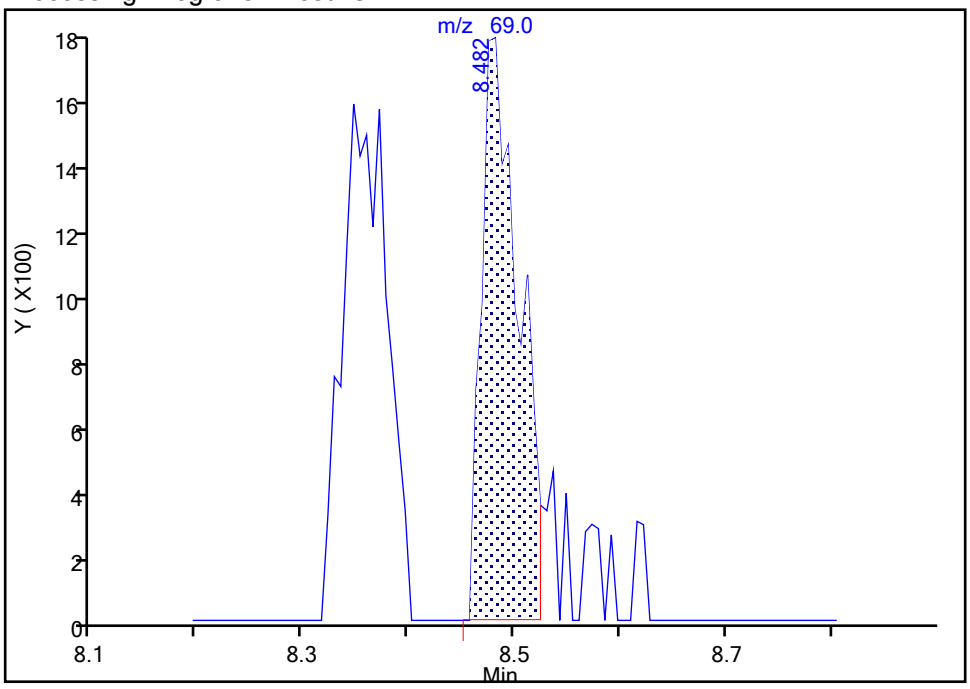
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
Injection Date: 21-Mar-2023 06:02:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

67 Methyl methacrylate, CAS: 80-62-6

Signal: 1

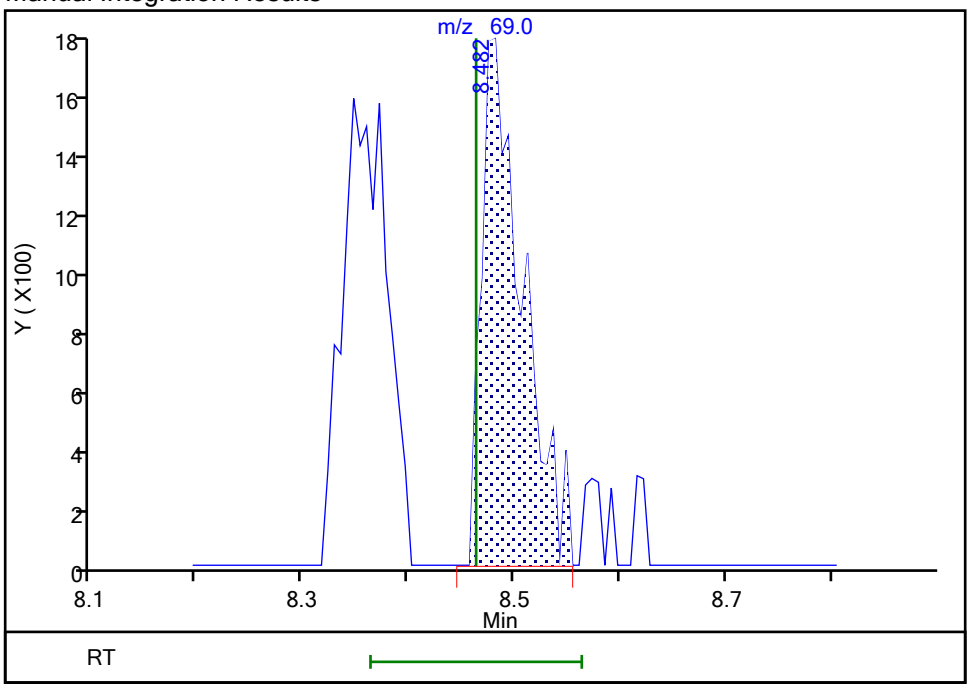
Processing Integration Results

RT: 8.48
Area: 4302
Amount: 0.247940
Amount Units: ug/l



Manual Integration Results

RT: 8.48
Area: 4729
Amount: 0.146339
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:58:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

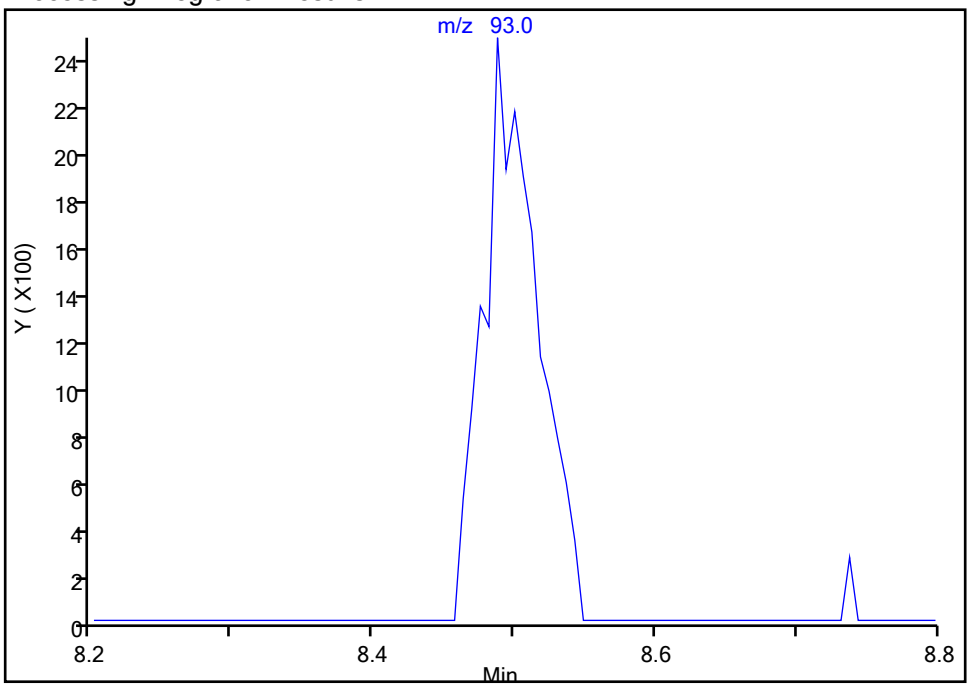
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D				
Injection Date:	21-Mar-2023 06:02:30	Instrument ID:	19930		
Lims ID:	IC std1				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

69 Dibromomethane, CAS: 74-95-3

Signal: 1

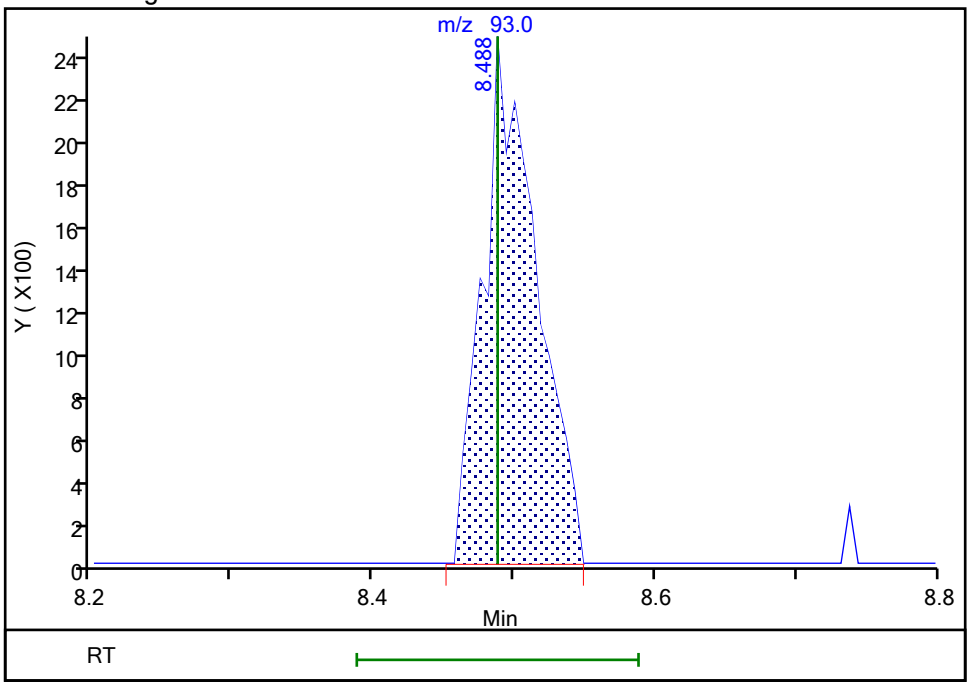
Not Detected
Expected RT: 8.49

Processing Integration Results



Manual Integration Results

RT: 8.49
Area: 6355
Amount: 0.185902
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:58:07
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

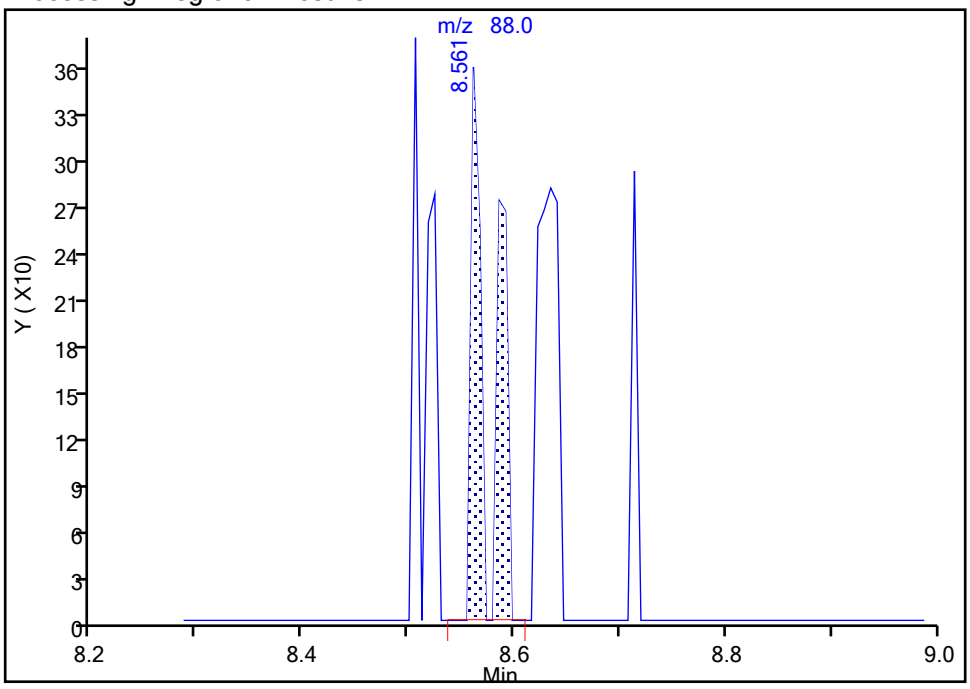
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
Injection Date: 21-Mar-2023 06:02:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

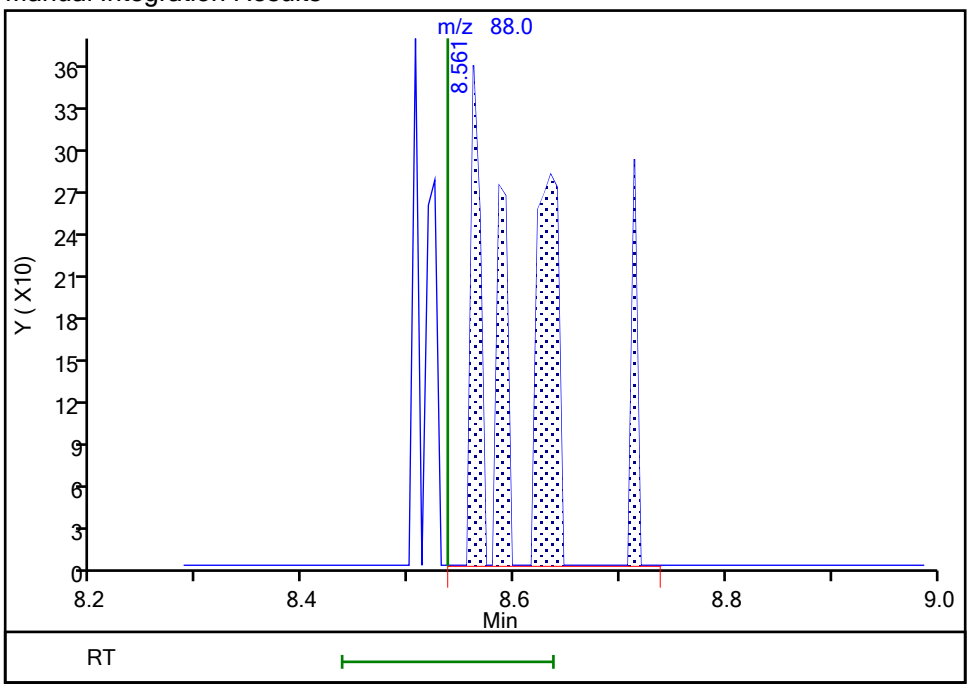
Processing Integration Results

RT: 8.56
Area: 419
Amount: 2.005715
Amount Units: ug/l



Manual Integration Results

RT: 8.56
Area: 915
Amount: 4.309305
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:58:26
Audit Action: Manually Integrated 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

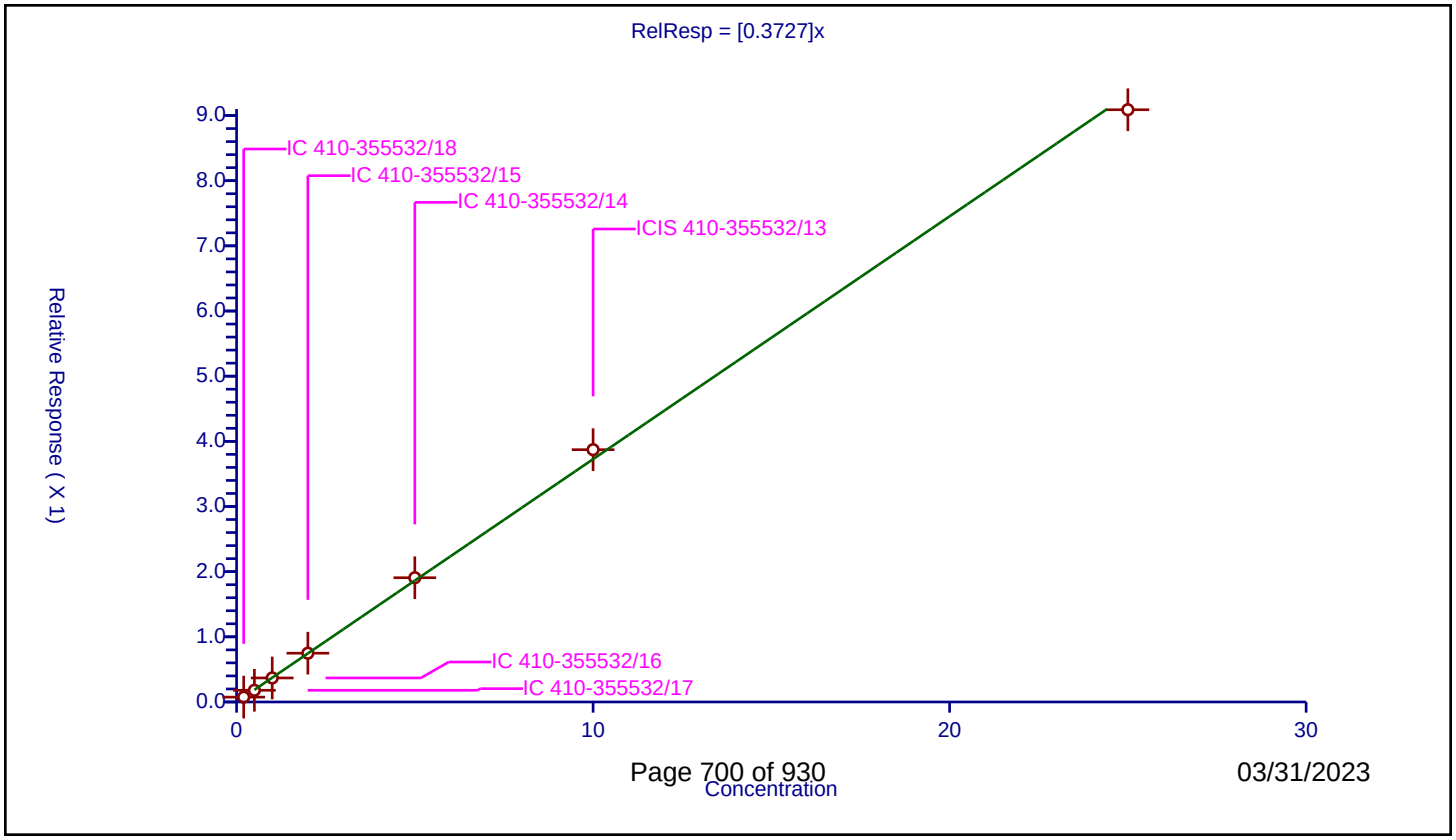
Curve Coefficients

Intercept:	0
Slope:	0.3727

Error Coefficients

Standard Error:	991000
Relative Standard Error:	2.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.074831	10.0	2286473.0	0.374157	Y
2	IC 410-355532/17	0.5	0.179477	10.0	2310552.0	0.358953	Y
3	IC 410-355532/16	1.0	0.36912	10.0	2343275.0	0.36912	Y
4	IC 410-355532/15	2.0	0.748502	10.0	2349279.0	0.374251	Y
5	IC 410-355532/14	5.0	1.906637	10.0	2387313.0	0.381327	Y
6	ICIS 410-355532/13	10.0	3.87203	10.0	2381761.0	0.387203	Y
7	IC 410-355532/12	25.0	9.088881	10.0	2408929.0	0.363555	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

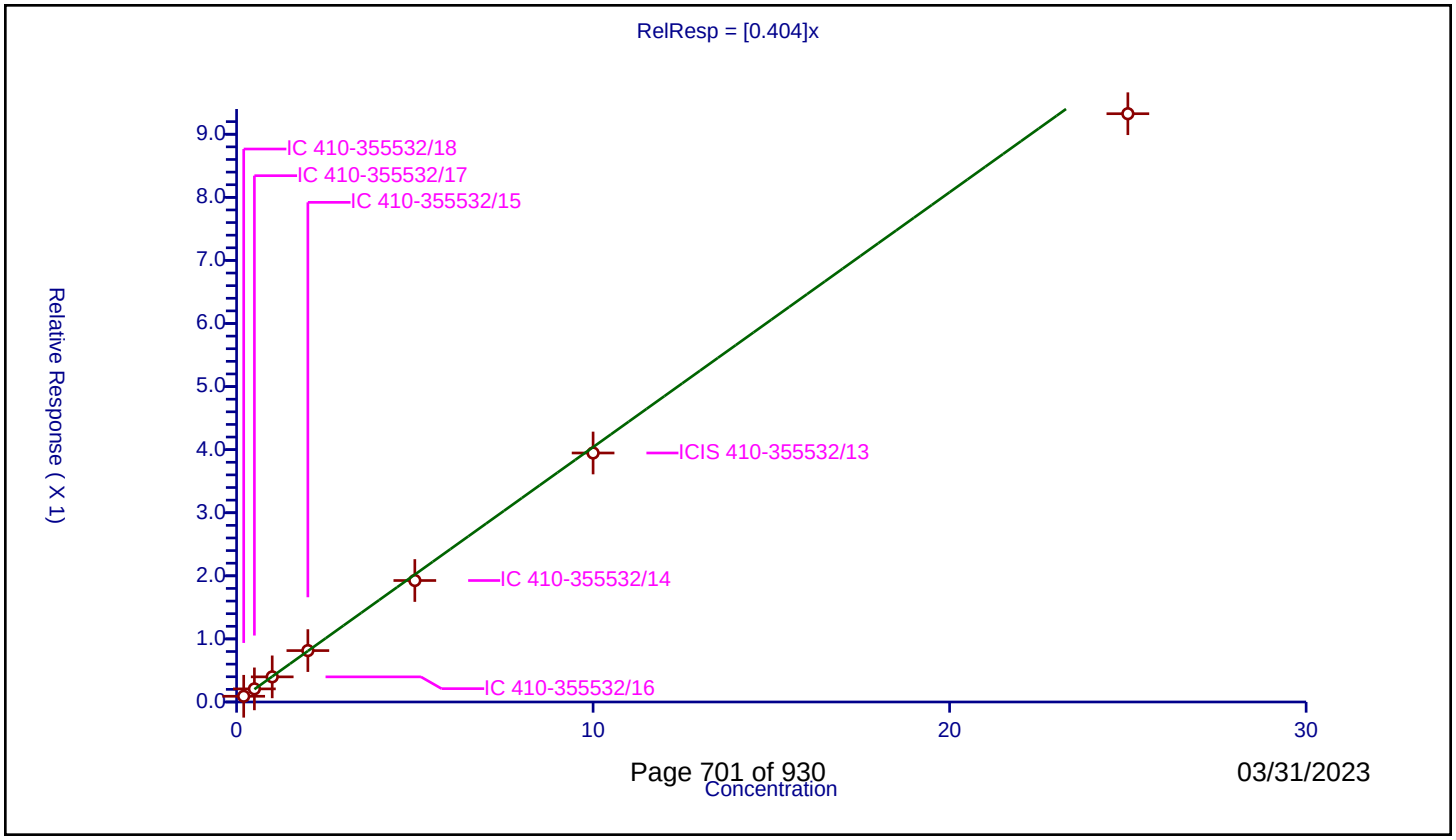
Curve Coefficients

Intercept:	0
Slope:	0.404

Error Coefficients

Standard Error:	1020000
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 410-355532/18	0.2	0.090738	10.0	2286473.0	0.45369	Y
2	IC 410-355532/17	0.5	0.207911	10.0	2310552.0	0.415823	Y
3	IC 410-355532/16	1.0	0.398442	10.0	2343275.0	0.398442	Y
4	IC 410-355532/15	2.0	0.814705	10.0	2349279.0	0.407353	Y
5	IC 410-355532/14	5.0	1.925914	10.0	2387313.0	0.385183	Y
6	ICIS 410-355532/13	10.0	3.947294	10.0	2381761.0	0.394729	Y
7	IC 410-355532/12	25.0	9.325547	10.0	2408929.0	0.373022	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

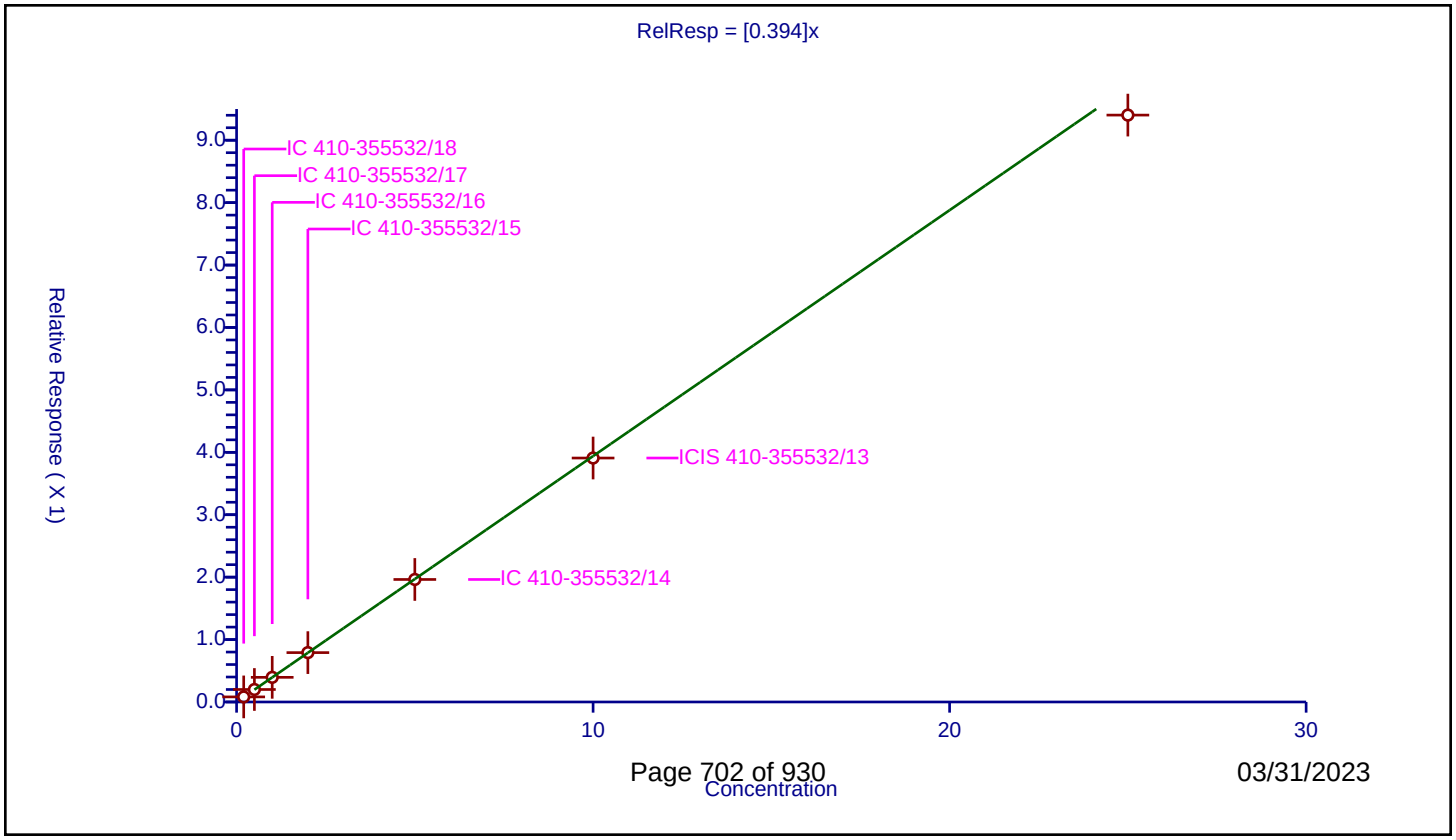
Curve Coefficients

Intercept:	0
Slope:	0.394

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.081567	10.0	2286473.0	0.407833	Y
2	IC 410-355532/17	0.5	0.200013	10.0	2310552.0	0.400026	Y
3	IC 410-355532/16	1.0	0.394917	10.0	2343275.0	0.394917	Y
4	IC 410-355532/15	2.0	0.790924	10.0	2349279.0	0.395462	Y
5	IC 410-355532/14	5.0	1.962763	10.0	2387313.0	0.392553	Y
6	ICIS 410-355532/13	10.0	3.908465	10.0	2381761.0	0.390847	Y
7	IC 410-355532/12	25.0	9.402672	10.0	2408929.0	0.376107	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

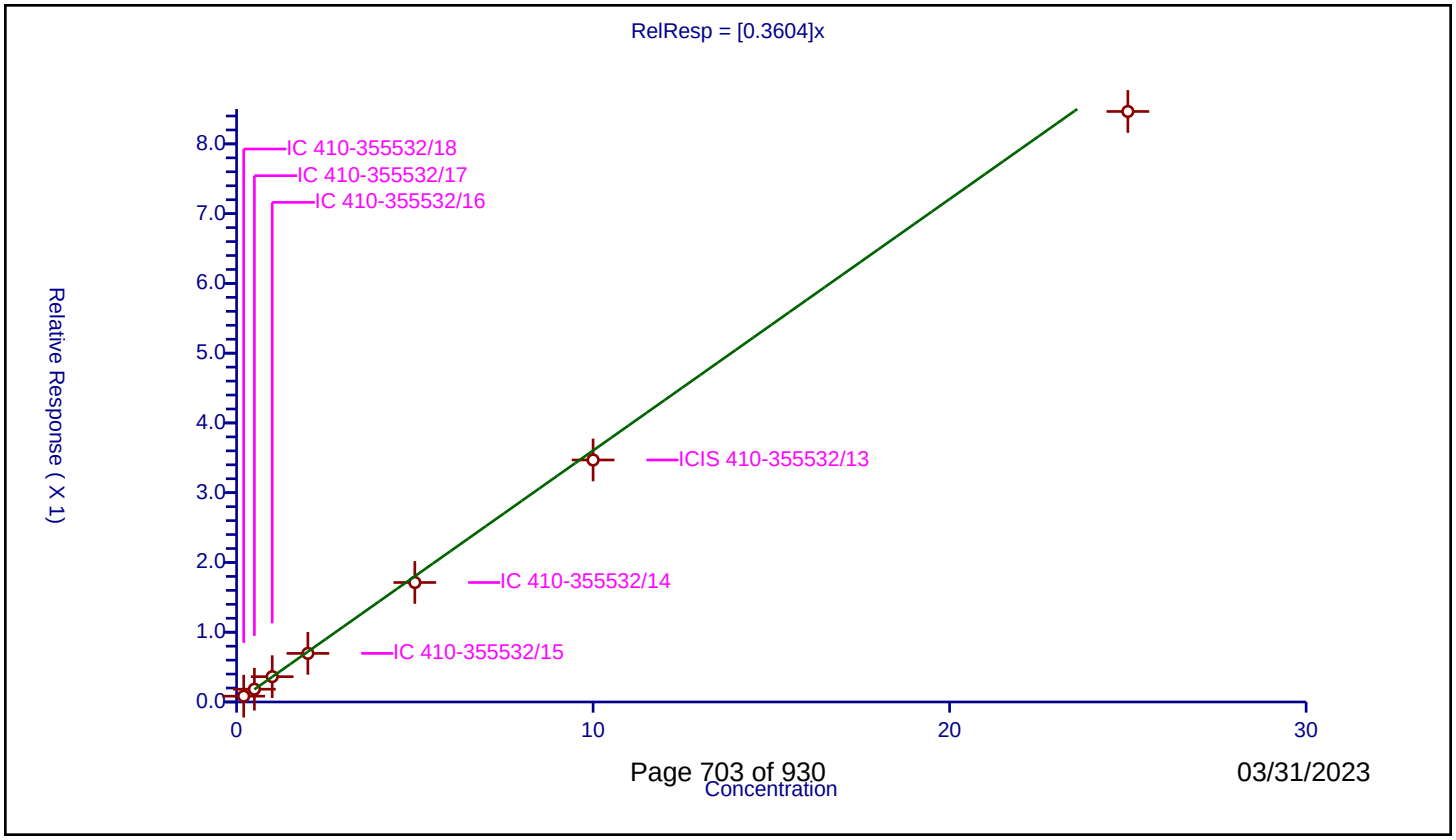
Curve Coefficients

Intercept:	0
Slope:	0.3604

Error Coefficients

Standard Error:	917000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.083351	10.0	2286473.0	0.416755	Y
2	IC 410-355532/17	0.5	0.183376	10.0	2310552.0	0.366752	Y
3	IC 410-355532/16	1.0	0.363077	10.0	2343275.0	0.363077	Y
4	IC 410-355532/15	2.0	0.696665	10.0	2349279.0	0.348332	Y
5	IC 410-355532/14	5.0	1.713131	10.0	2387313.0	0.342626	Y
6	ICIS 410-355532/13	10.0	3.469	10.0	2381761.0	0.3469	Y
7	IC 410-355532/12	25.0	8.464641	10.0	2408929.0	0.338586	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

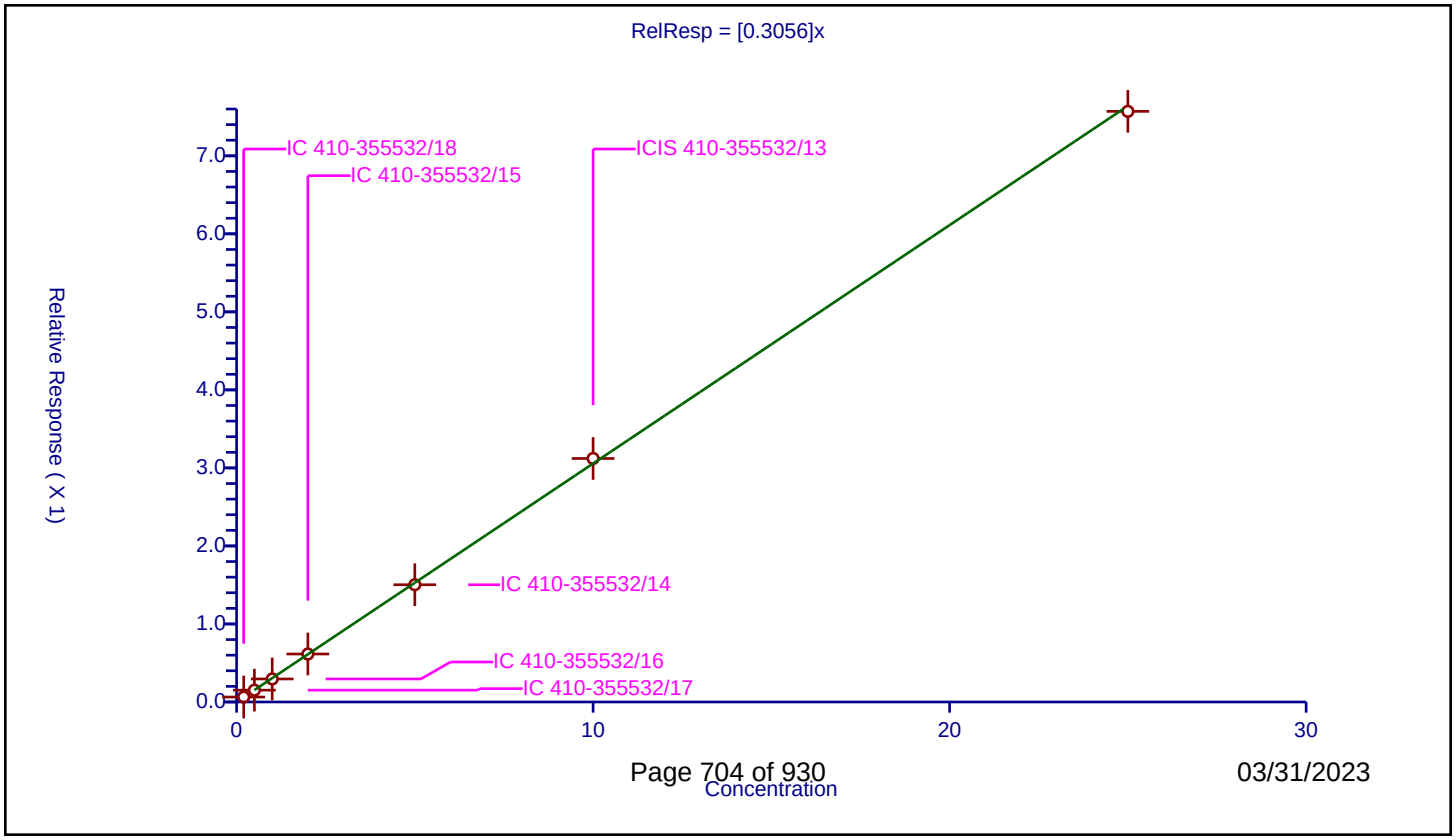
Curve Coefficients

Intercept:	0
Slope:	0.3056

Error Coefficients

Standard Error:	820000
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 410-355532/18	0.2	0.063508	10.0	2286473.0	0.317541	Y
2	IC 410-355532/17	0.5	0.15173	10.0	2310552.0	0.30346	Y
3	IC 410-355532/16	1.0	0.295253	10.0	2343275.0	0.295253	Y
4	IC 410-355532/15	2.0	0.614895	10.0	2349279.0	0.307448	Y
5	IC 410-355532/14	5.0	1.502786	10.0	2387313.0	0.300557	Y
6	ICIS 410-355532/13	10.0	3.120993	10.0	2381761.0	0.312099	Y
7	IC 410-355532/12	25.0	7.569787	10.0	2408929.0	0.302791	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

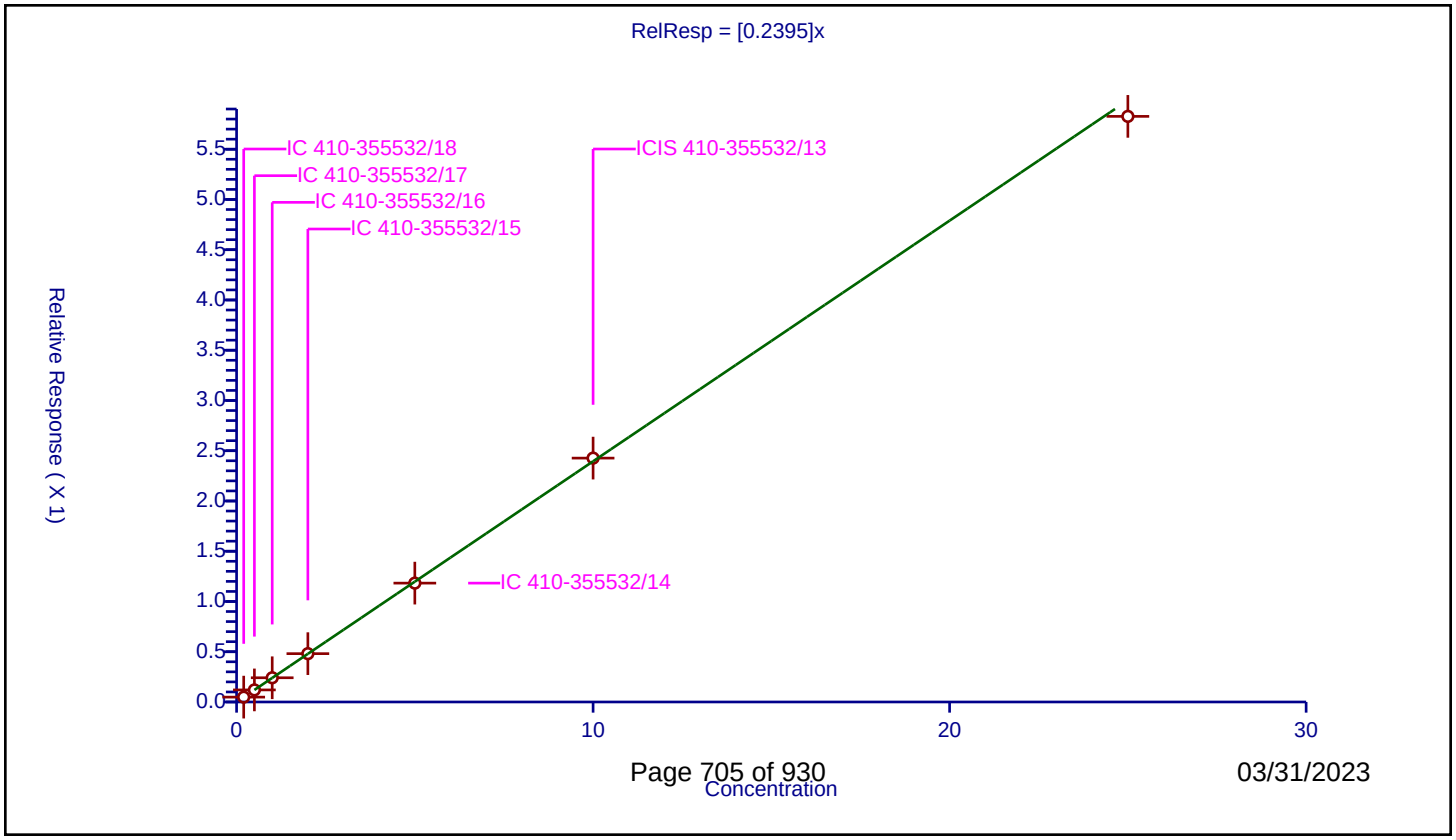
Curve Coefficients

Intercept:	0
Slope:	0.2395

Error Coefficients

Standard Error:	633000
Relative Standard Error:	1.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.048476	10.0	2286473.0	0.242382	Y
2	IC 410-355532/17	0.5	0.120036	10.0	2310552.0	0.240073	Y
3	IC 410-355532/16	1.0	0.241034	10.0	2343275.0	0.241034	Y
4	IC 410-355532/15	2.0	0.480884	10.0	2349279.0	0.240442	Y
5	IC 410-355532/14	5.0	1.182811	10.0	2387313.0	0.236562	Y
6	ICIS 410-355532/13	10.0	2.4267	10.0	2381761.0	0.24267	Y
7	IC 410-355532/12	25.0	5.826784	10.0	2408929.0	0.233071	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

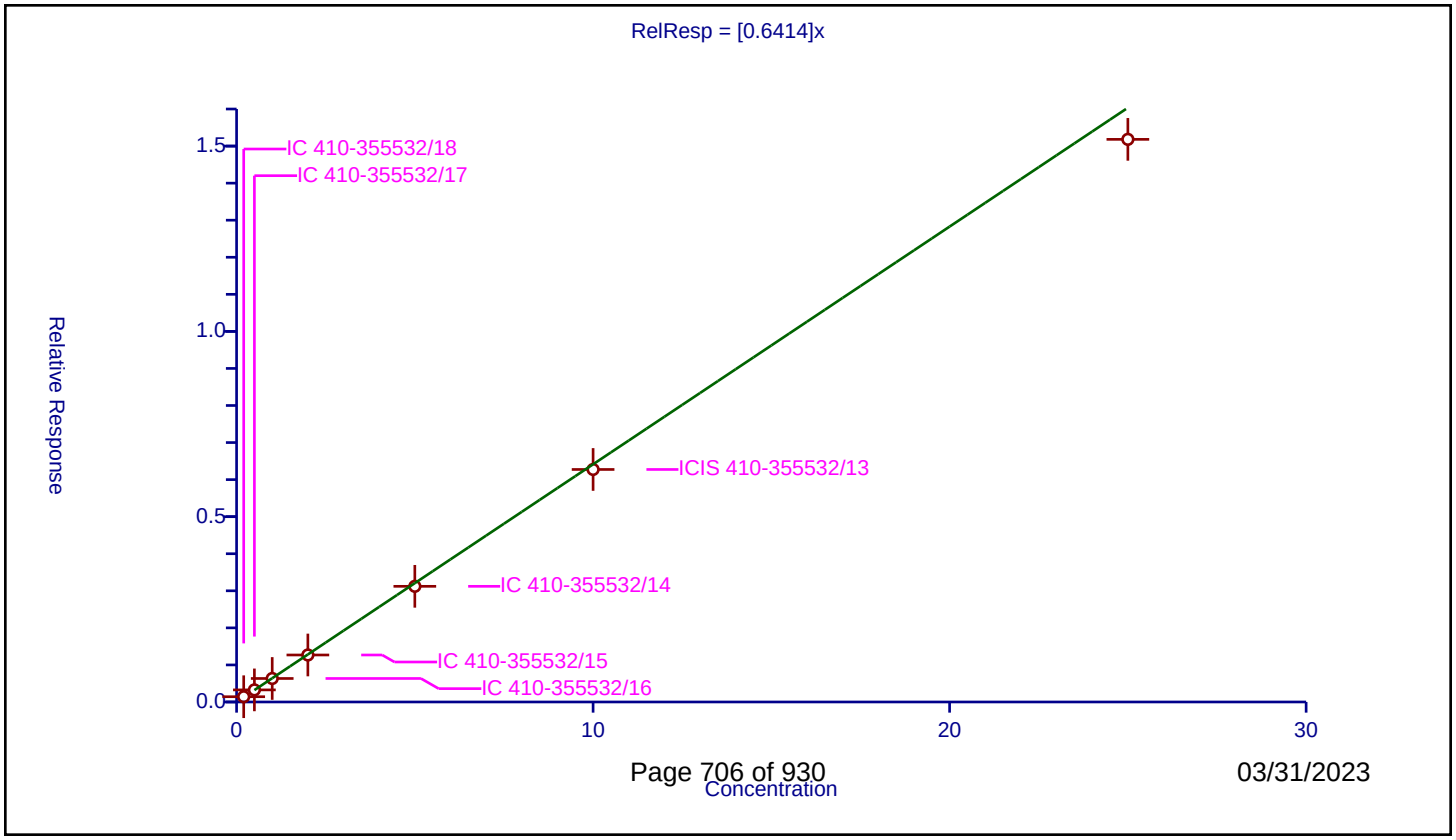
Curve Coefficients

Intercept:	0
Slope:	0.6414

Error Coefficients

Standard Error:	1650000
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 410-355532/18	0.2	0.141913	10.0	2286473.0	0.709564	Y
2	IC 410-355532/17	0.5	0.326532	10.0	2310552.0	0.653065	Y
3	IC 410-355532/16	1.0	0.634147	10.0	2343275.0	0.634147	Y
4	IC 410-355532/15	2.0	1.267968	10.0	2349279.0	0.633984	Y
5	IC 410-355532/14	5.0	3.12068	10.0	2387313.0	0.624136	Y
6	ICIS 410-355532/13	10.0	6.274043	10.0	2381761.0	0.627404	Y
7	IC 410-355532/12	25.0	15.18144	10.0	2408929.0	0.607258	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

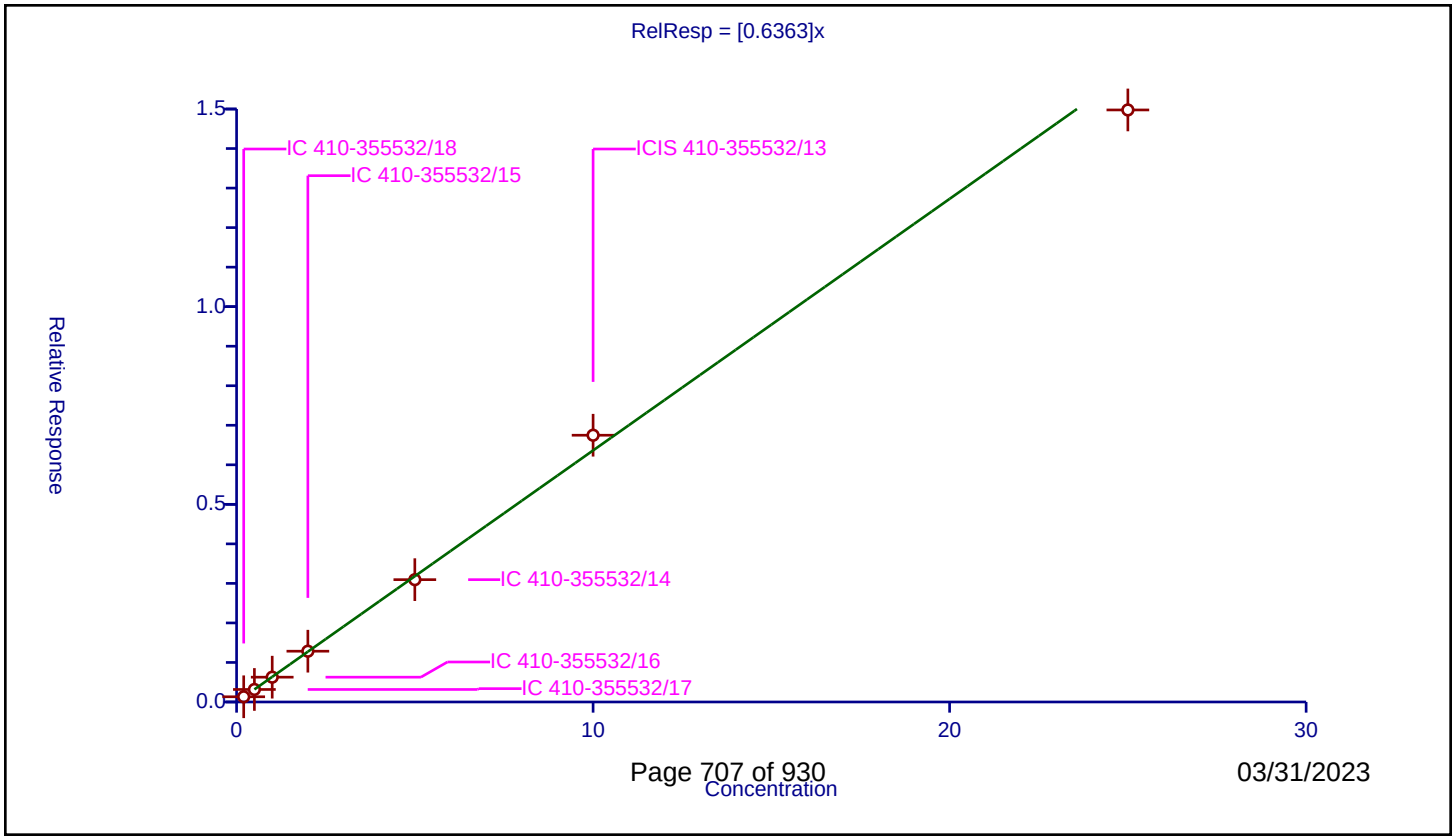
Curve Coefficients

Intercept:	0
Slope:	0.6363

Error Coefficients

Standard Error:	1650000
Relative Standard Error:	3.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.131622	10.0	2286473.0	0.65811	Y
2	IC 410-355532/17	0.5	0.316842	10.0	2310552.0	0.633684	Y
3	IC 410-355532/16	1.0	0.627511	10.0	2343275.0	0.627511	Y
4	IC 410-355532/15	2.0	1.284581	10.0	2349279.0	0.642291	Y
5	IC 410-355532/14	5.0	3.094232	10.0	2387313.0	0.618846	Y
6	ICIS 410-355532/13	10.0	6.748209	10.0	2381761.0	0.674821	Y
7	IC 410-355532/12	25.0	14.976672	10.0	2408929.0	0.599067	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

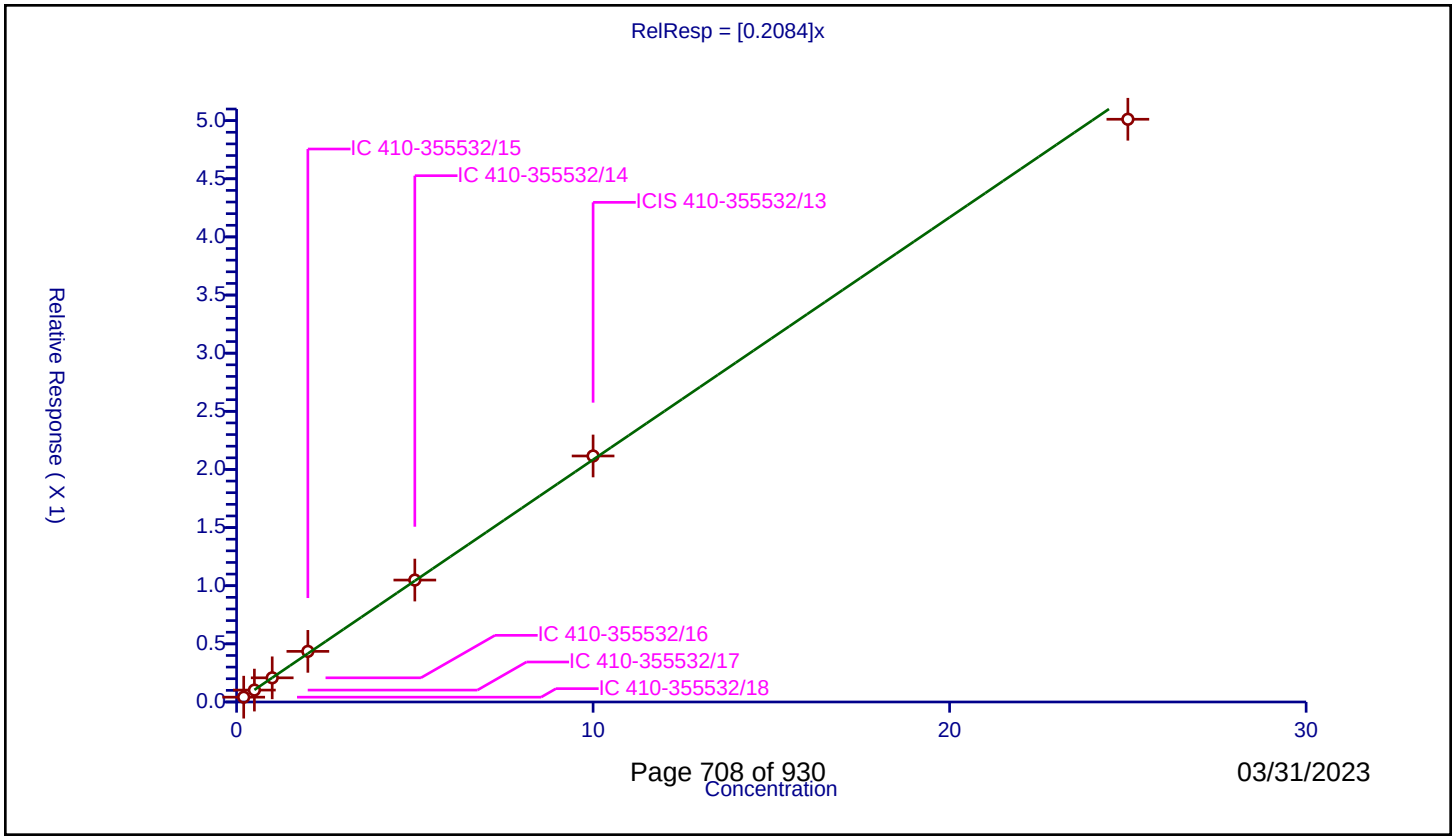
Curve Coefficients

Intercept:	0
Slope:	0.2084

Error Coefficients

Standard Error:	546000
Relative Standard Error:	2.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.199998	0.041339	10.0	2286473.0	0.206695	Y
2	IC 410-355532/17	0.499996	0.10243	10.0	2310552.0	0.204862	Y
3	IC 410-355532/16	0.999992	0.207799	10.0	2343275.0	0.2078	Y
4	IC 410-355532/15	1.999985	0.435436	10.0	2349279.0	0.21772	Y
5	IC 410-355532/14	4.999962	1.048807	10.0	2387313.0	0.209763	Y
6	ICIS 410-355532/13	9.999924	2.115897	10.0	2381761.0	0.211591	Y
7	IC 410-355532/12	24.99981	5.011999	10.0	2408929.0	0.200481	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

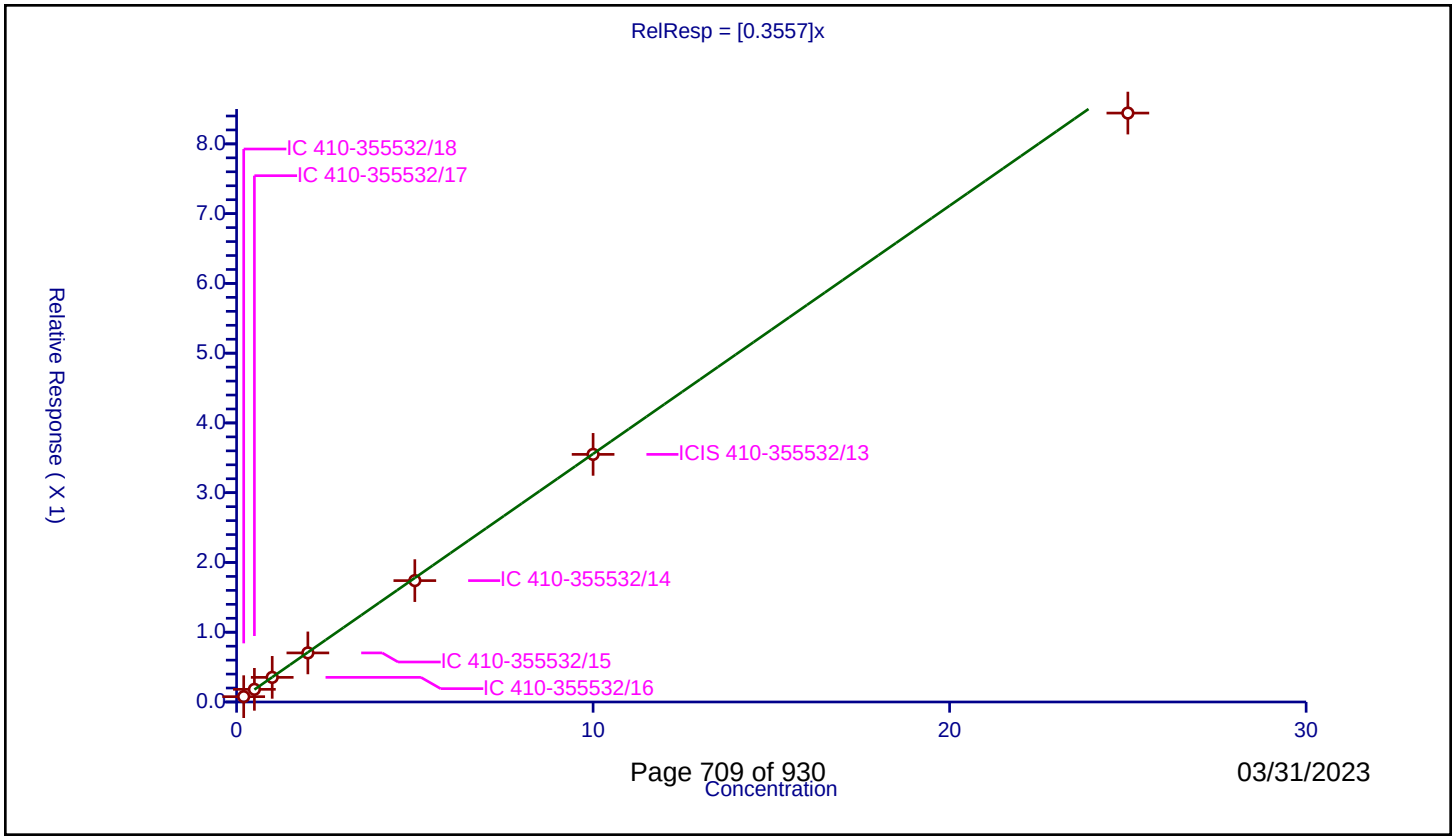
Curve Coefficients

Intercept:	0
Slope:	0.3557

Error Coefficients

Standard Error:	918000
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 410-355532/18	0.2	0.076428	10.0	2286473.0	0.382139	Y
2	IC 410-355532/17	0.5	0.181199	10.0	2310552.0	0.362398	Y
3	IC 410-355532/16	1.0	0.352938	10.0	2343275.0	0.352938	Y
4	IC 410-355532/15	2.0	0.703556	10.0	2349279.0	0.351778	Y
5	IC 410-355532/14	5.0	1.73996	10.0	2387313.0	0.347992	Y
6	ICIS 410-355532/13	10.0	3.549395	10.0	2381761.0	0.354939	Y
7	IC 410-355532/12	25.0	8.441872	10.0	2408929.0	0.337675	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

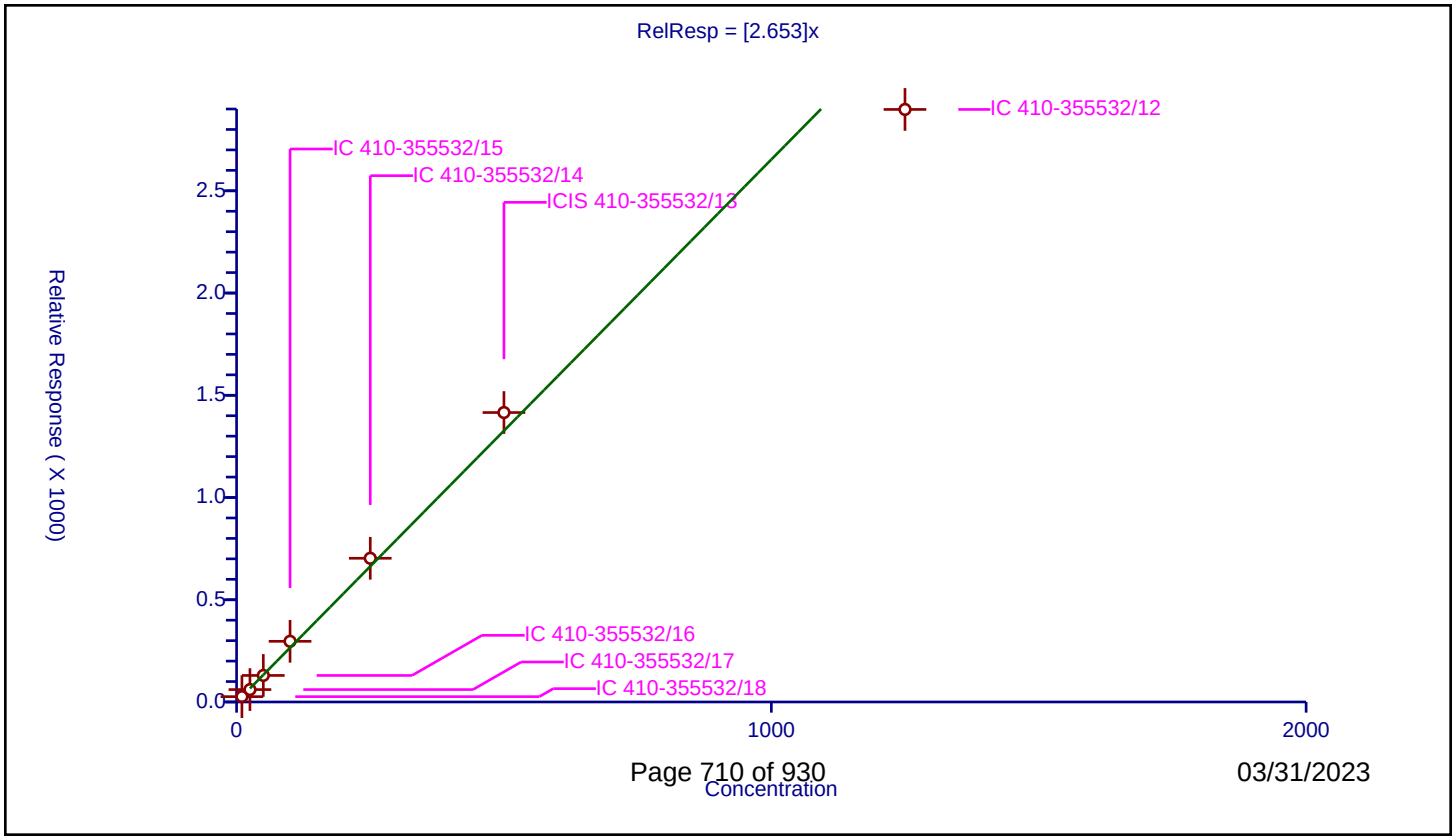
Curve Coefficients

Intercept:	0
Slope:	2.653

Error Coefficients

Standard Error:	3700000
Relative Standard Error:	8.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	9.999352	26.18253	50.0	126445.0	2.618423	Y
2	IC 410-355532/17	24.998379	60.695671	50.0	153492.0	2.427984	Y
3	IC 410-355532/16	49.996759	129.785908	50.0	134008.0	2.595886	Y
4	IC 410-355532/15	99.993517	296.792495	50.0	97646.0	2.968117	Y
5	IC 410-355532/14	249.983793	702.885698	50.0	125221.0	2.811725	Y
6	ICIS 410-355532/13	499.967587	1415.619316	50.0	120956.0	2.831422	Y
7	IC 410-355532/12	1249.918967	2897.927044	50.0	141127.0	2.318492	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

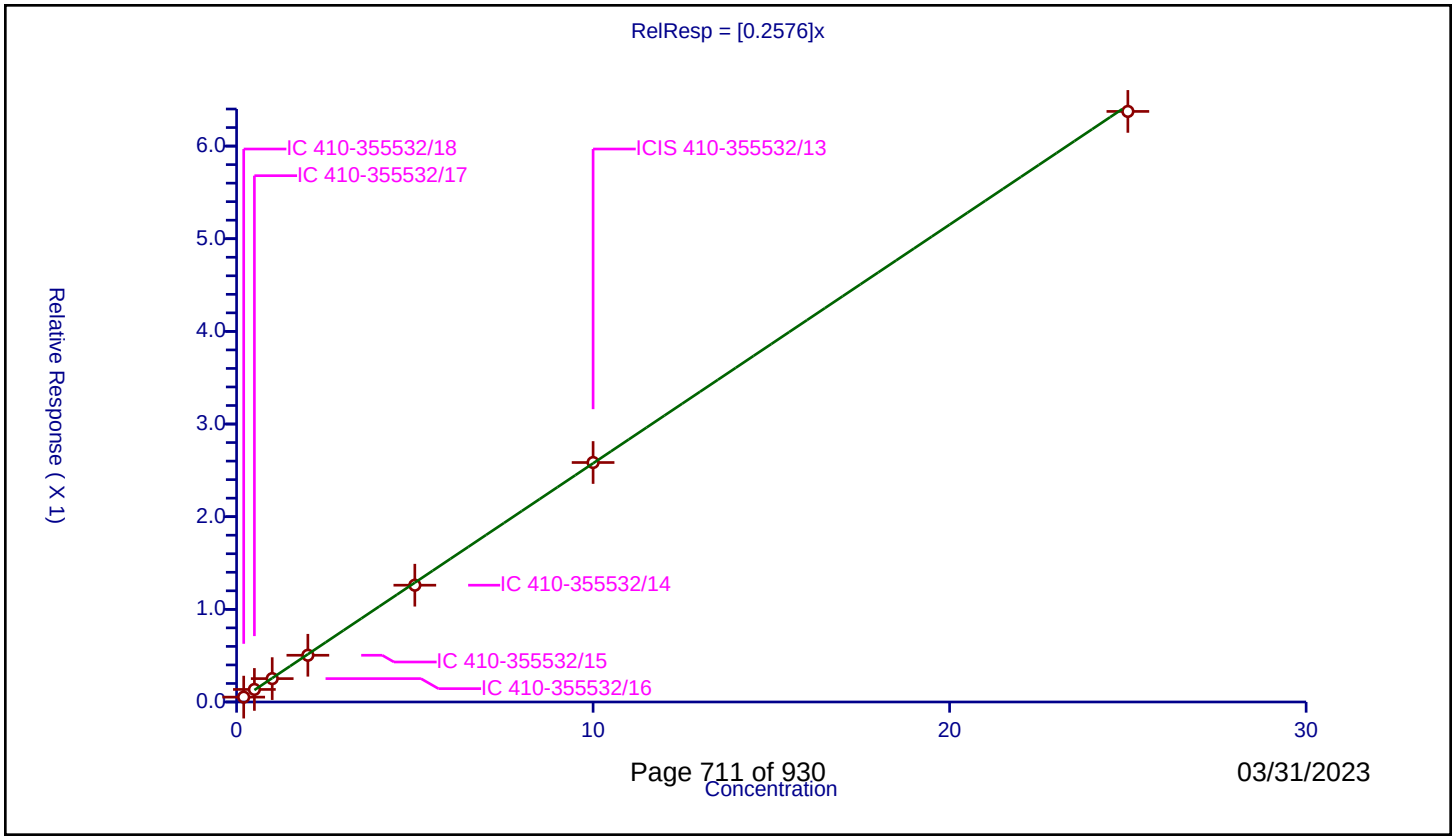
Curve Coefficients

Intercept:	0
Slope:	0.2576

Error Coefficients

Standard Error:	689000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.052443	10.0	2286473.0	0.262216	Y
2	IC 410-355532/17	0.5	0.1355	10.0	2310552.0	0.271	Y
3	IC 410-355532/16	1.0	0.252232	10.0	2343275.0	0.252232	Y
4	IC 410-355532/15	2.0	0.504495	10.0	2349279.0	0.252248	Y
5	IC 410-355532/14	5.0	1.260543	10.0	2387313.0	0.252109	Y
6	ICIS 410-355532/13	10.0	2.584642	10.0	2381761.0	0.258464	Y
7	IC 410-355532/12	25.0	6.374131	10.0	2408929.0	0.254965	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

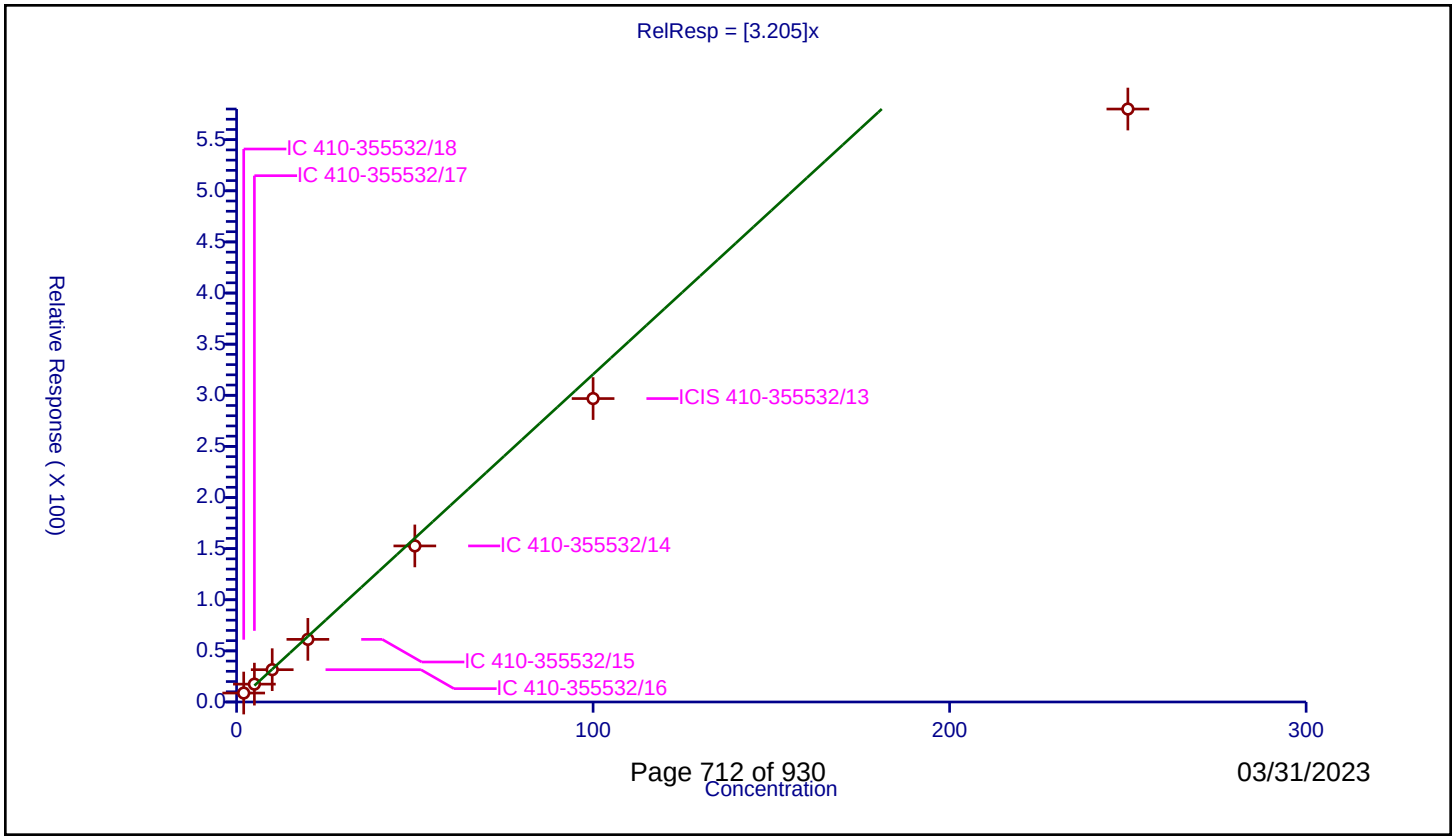
Curve Coefficients

Intercept:	0
Slope:	3.205

Error Coefficients

Standard Error:	749000
Relative Standard Error:	19.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.933

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	2.0	8.759935	50.0	126445.0	4.379968	Y
2	IC 410-355532/17	5.0	17.455959	50.0	153492.0	3.491192	Y
3	IC 410-355532/16	10.0	31.58692	50.0	134008.0	3.158692	Y
4	IC 410-355532/15	20.0	61.262622	50.0	97646.0	3.063131	Y
5	IC 410-355532/14	50.0	152.660896	50.0	125221.0	3.053218	Y
6	ICIS 410-355532/13	100.0	296.784781	50.0	120956.0	2.967848	Y
7	IC 410-355532/12	250.0	579.97194	50.0	141127.0	2.319888	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

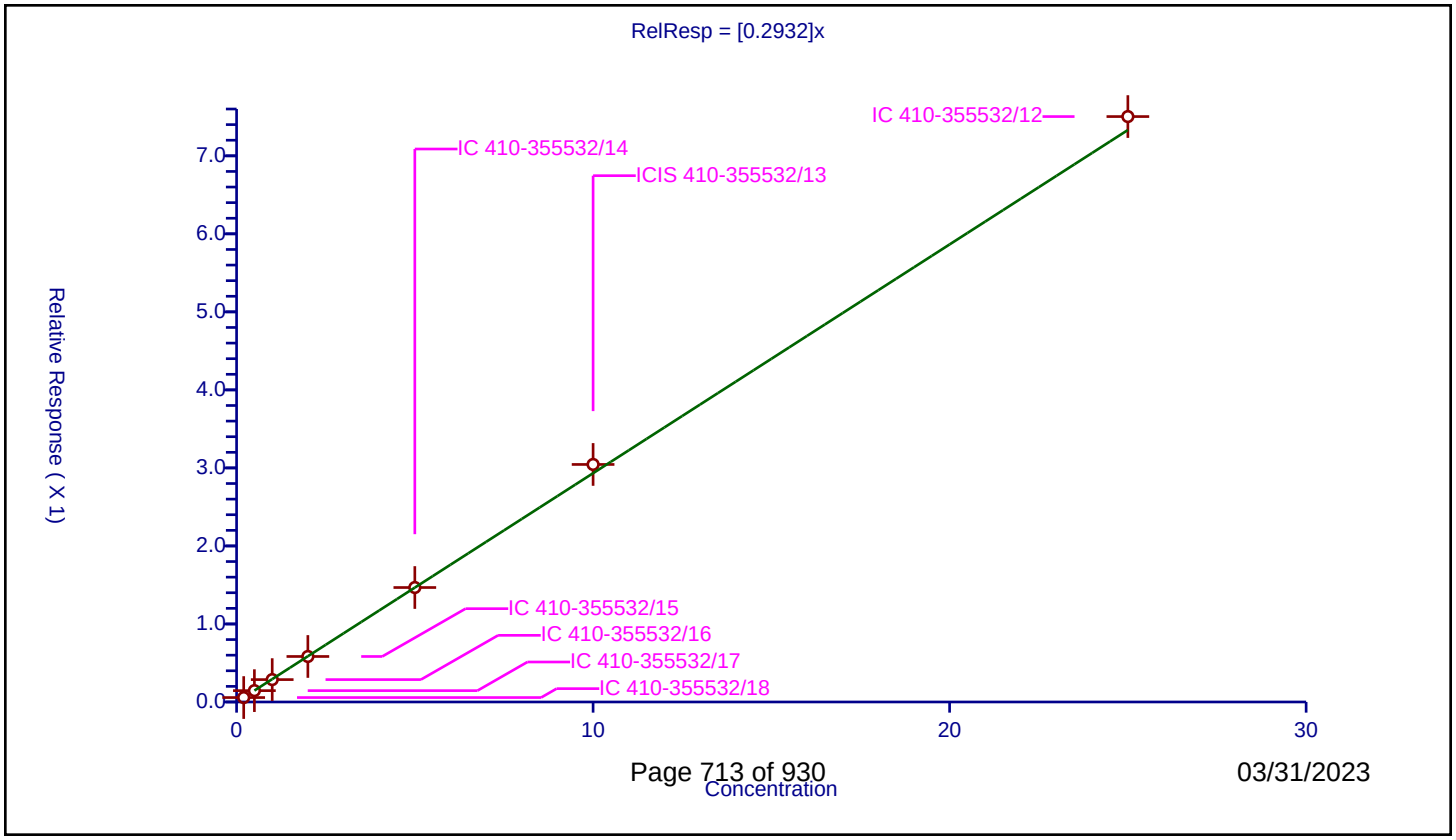
Curve Coefficients

Intercept:	0
Slope:	0.2932

Error Coefficients

Standard Error:	810000
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 410-355532/18	0.2	0.057014	10.0	2286473.0	0.285068	Y
2	IC 410-355532/17	0.5	0.145407	10.0	2310552.0	0.290814	Y
3	IC 410-355532/16	1.0	0.287047	10.0	2343275.0	0.287047	Y
4	IC 410-355532/15	2.0	0.583324	10.0	2349279.0	0.291662	Y
5	IC 410-355532/14	5.0	1.466955	10.0	2387313.0	0.293391	Y
6	ICIS 410-355532/13	10.0	3.044428	10.0	2381761.0	0.304443	Y
7	IC 410-355532/12	25.0	7.50333	10.0	2408929.0	0.300133	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

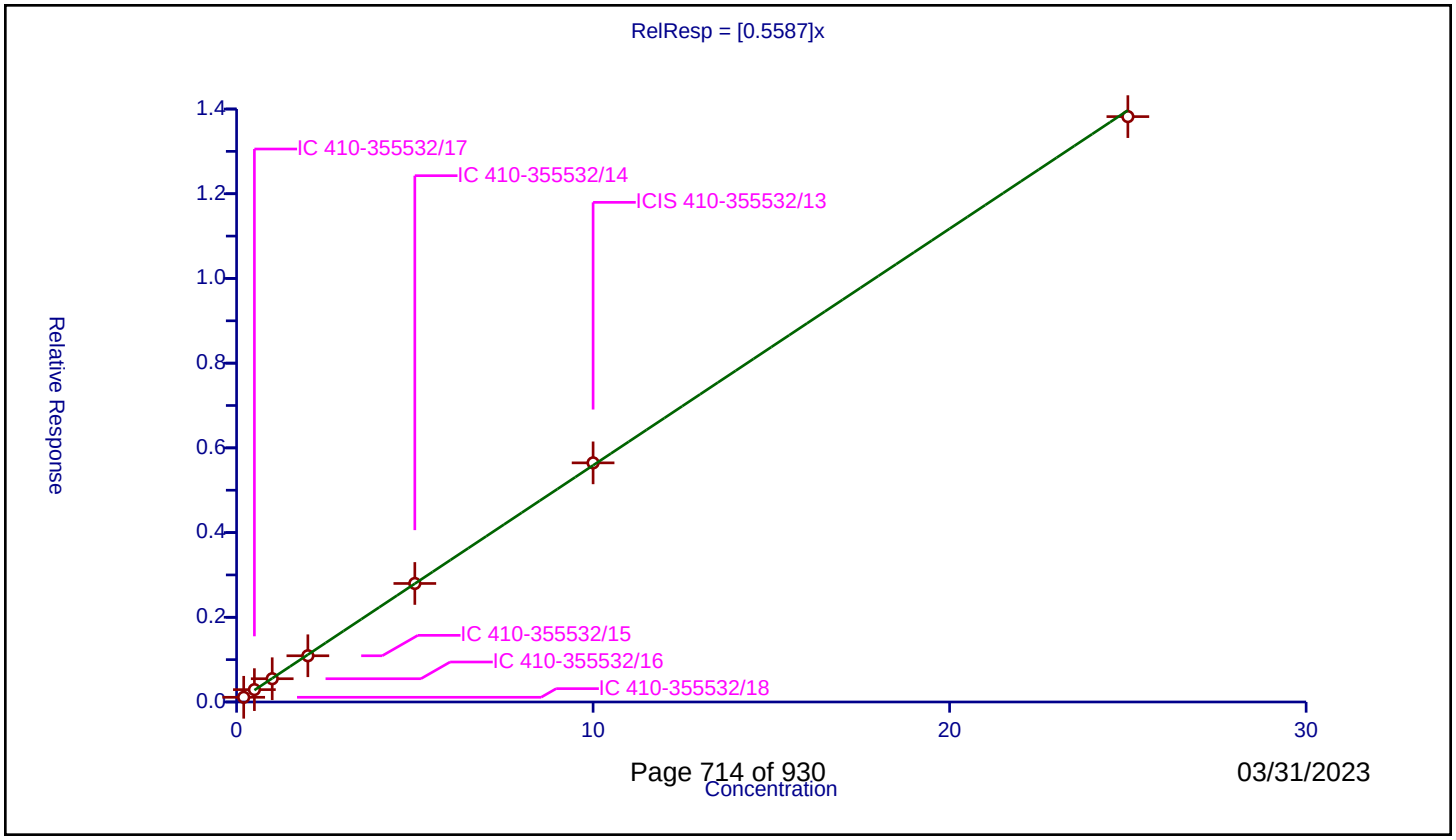
Curve Coefficients

Intercept:	0
Slope:	0.5587

Error Coefficients

Standard Error:	1500000
Relative Standard Error:	2.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.110992	10.0	2286473.0	0.55496	Y
2	IC 410-355532/17	0.5	0.292043	10.0	2310552.0	0.584086	Y
3	IC 410-355532/16	1.0	0.54912	10.0	2343275.0	0.54912	Y
4	IC 410-355532/15	2.0	1.091373	10.0	2349279.0	0.545687	Y
5	IC 410-355532/14	5.0	2.798489	10.0	2387313.0	0.559698	Y
6	ICIS 410-355532/13	10.0	5.645869	10.0	2381761.0	0.564587	Y
7	IC 410-355532/12	25.0	13.820839	10.0	2408929.0	0.552834	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

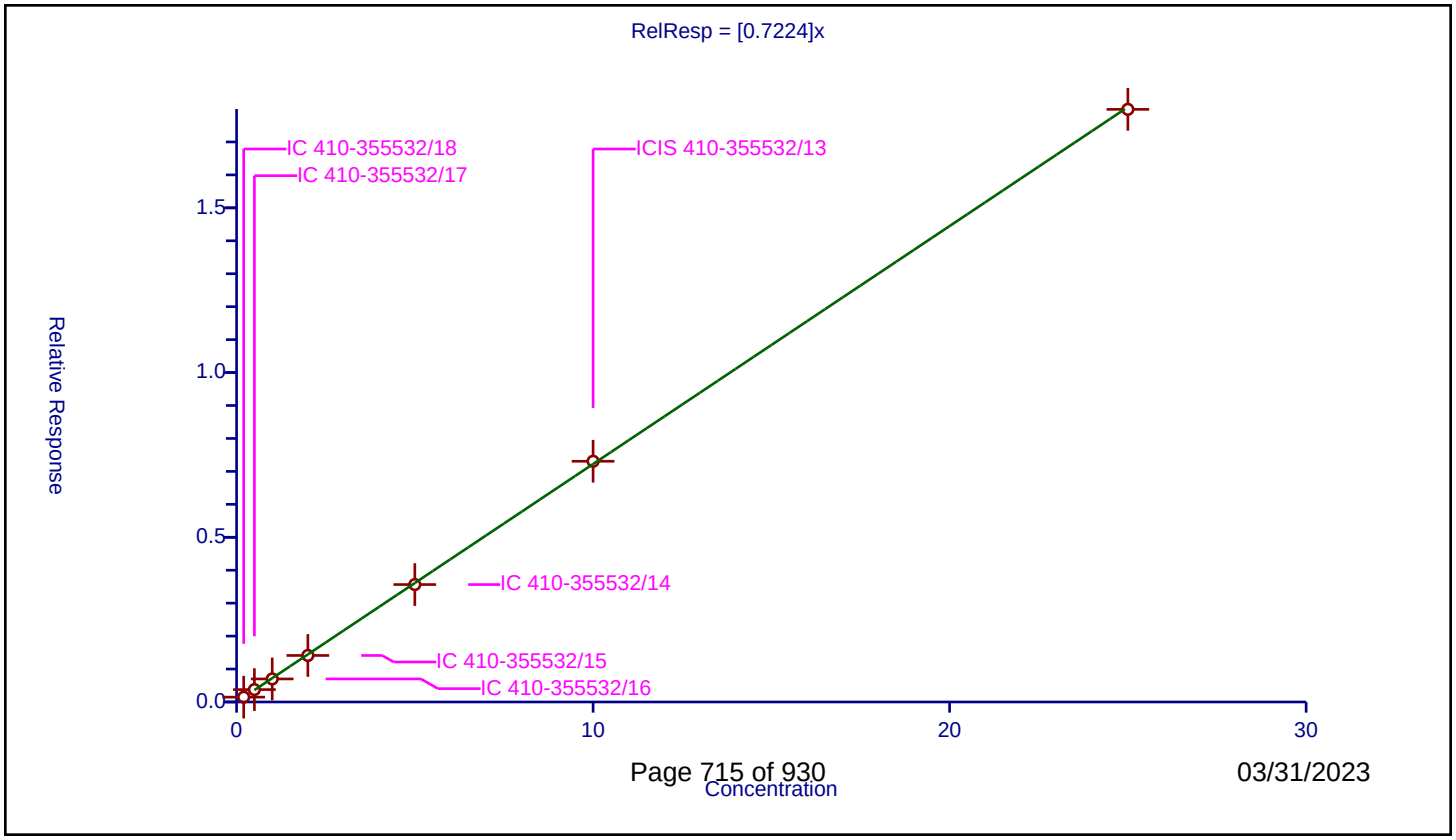
Curve Coefficients

Intercept:	0
Slope:	0.7224

Error Coefficients

Standard Error:	1940000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.147157	10.0	2286473.0	0.735784	Y
2	IC 410-355532/17	0.5	0.375612	10.0	2310552.0	0.751223	Y
3	IC 410-355532/16	1.0	0.699956	10.0	2343275.0	0.699956	Y
4	IC 410-355532/15	2.0	1.412429	10.0	2349279.0	0.706215	Y
5	IC 410-355532/14	5.0	3.564887	10.0	2387313.0	0.712977	Y
6	ICIS 410-355532/13	10.0	7.307274	10.0	2381761.0	0.730727	Y
7	IC 410-355532/12	25.0	17.989235	10.0	2408929.0	0.719569	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

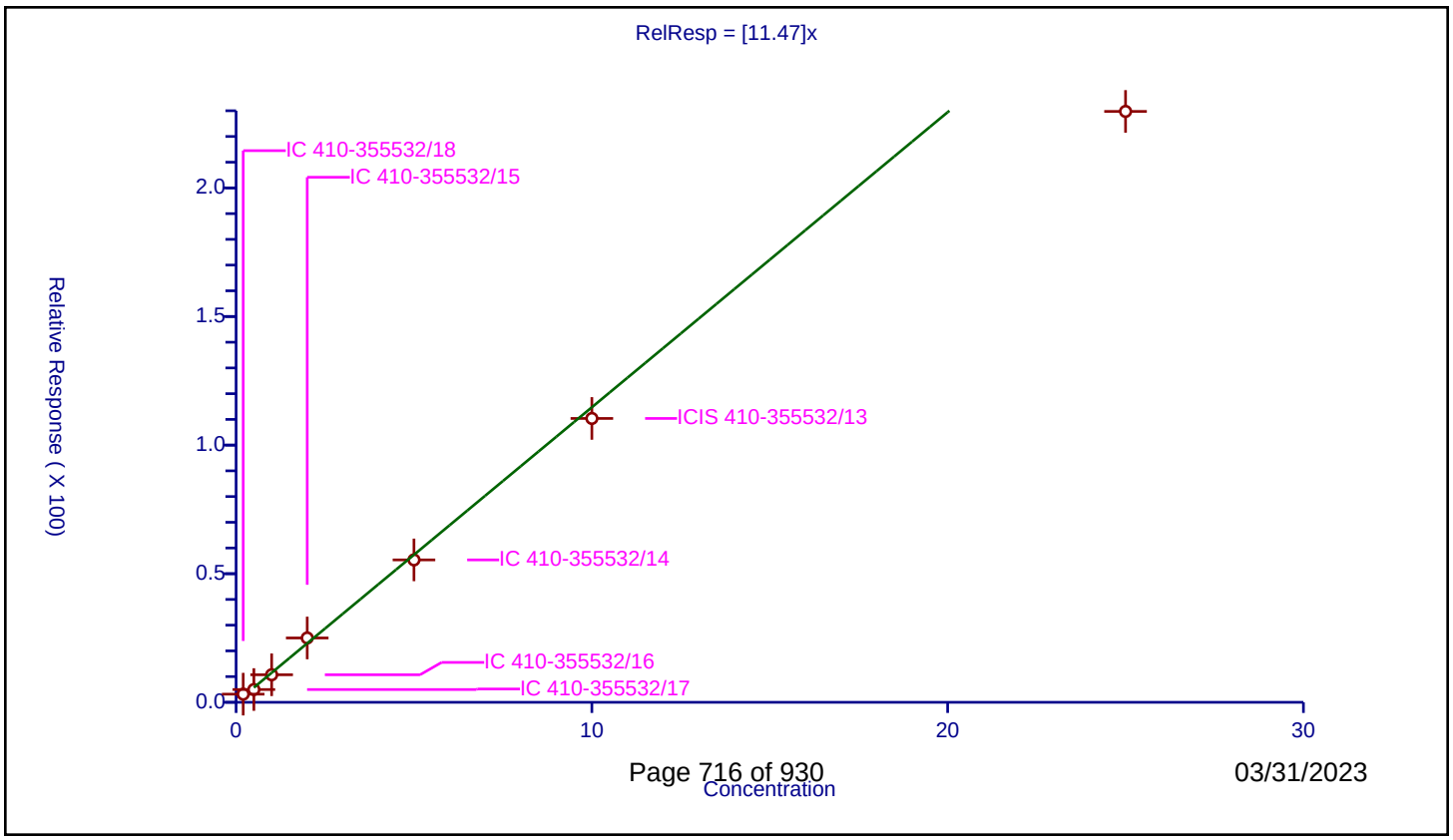
Curve Coefficients

Intercept:	0
Slope:	11.47

Error Coefficients

Standard Error:	293000
Relative Standard Error:	19.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.940

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	3.170153	50.0	126445.0	15.850765	Y
2	IC 410-355532/17	0.5	4.964754	50.0	153492.0	9.929508	Y
3	IC 410-355532/16	1.0	10.713166	50.0	134008.0	10.713166	Y
4	IC 410-355532/15	2.0	25.013313	50.0	97646.0	12.506657	Y
5	IC 410-355532/14	5.0	55.376894	50.0	125221.0	11.075379	Y
6	ICIS 410-355532/13	10.0	110.36906	50.0	120956.0	11.036906	Y
7	IC 410-355532/12	25.0	229.743068	50.0	141127.0	9.189723	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

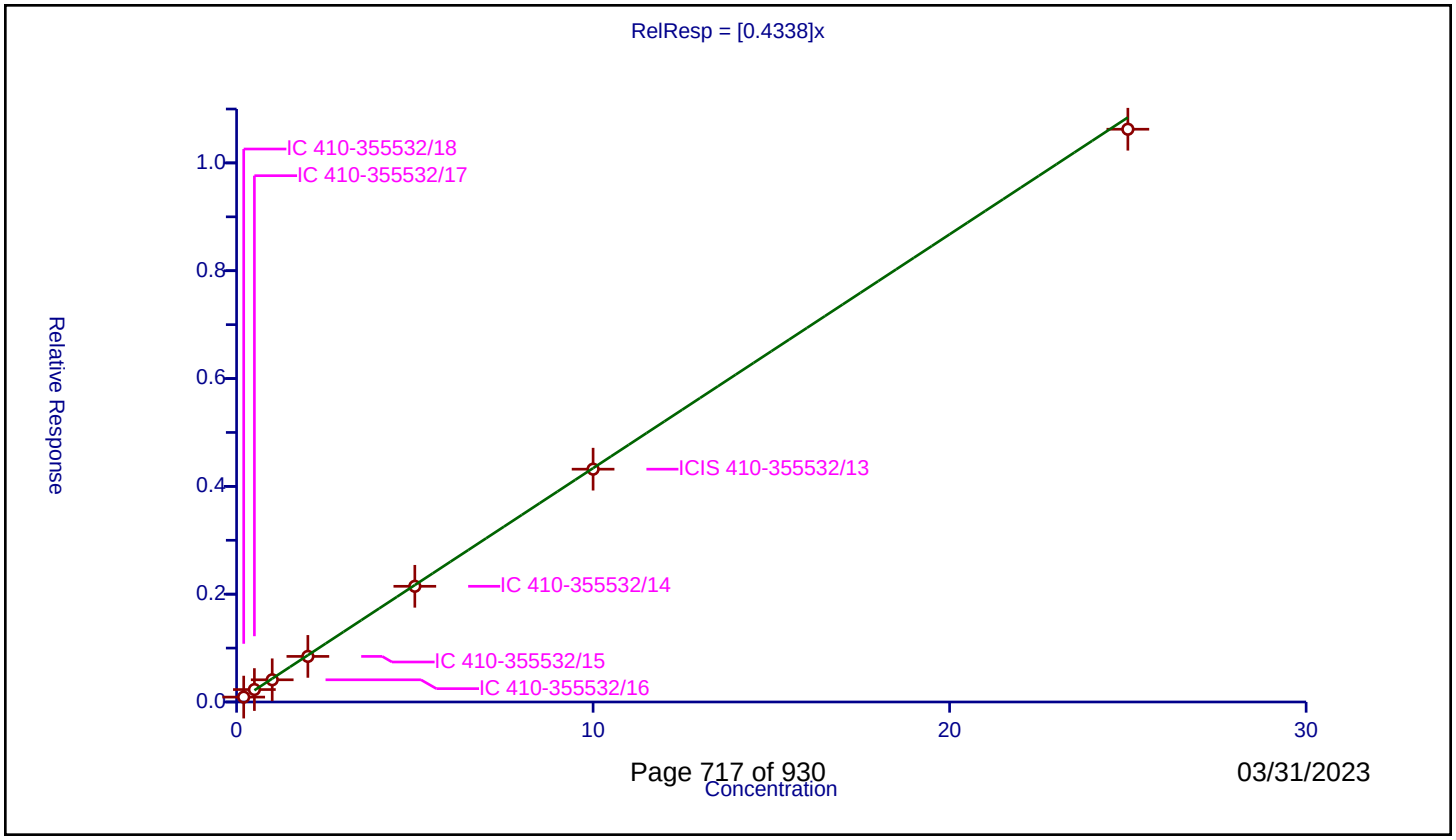
Curve Coefficients

Intercept:	0
Slope:	0.4338

Error Coefficients

Standard Error:	1150000
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 410-355532/18	0.2	0.090817	10.0	2286473.0	0.454084	Y
2	IC 410-355532/17	0.5	0.23085	10.0	2310552.0	0.461699	Y
3	IC 410-355532/16	1.0	0.411723	10.0	2343275.0	0.411723	Y
4	IC 410-355532/15	2.0	0.845455	10.0	2349279.0	0.422728	Y
5	IC 410-355532/14	5.0	2.146271	10.0	2387313.0	0.429254	Y
6	ICIS 410-355532/13	10.0	4.319056	10.0	2381761.0	0.431906	Y
7	IC 410-355532/12	25.0	10.625182	10.0	2408929.0	0.425007	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

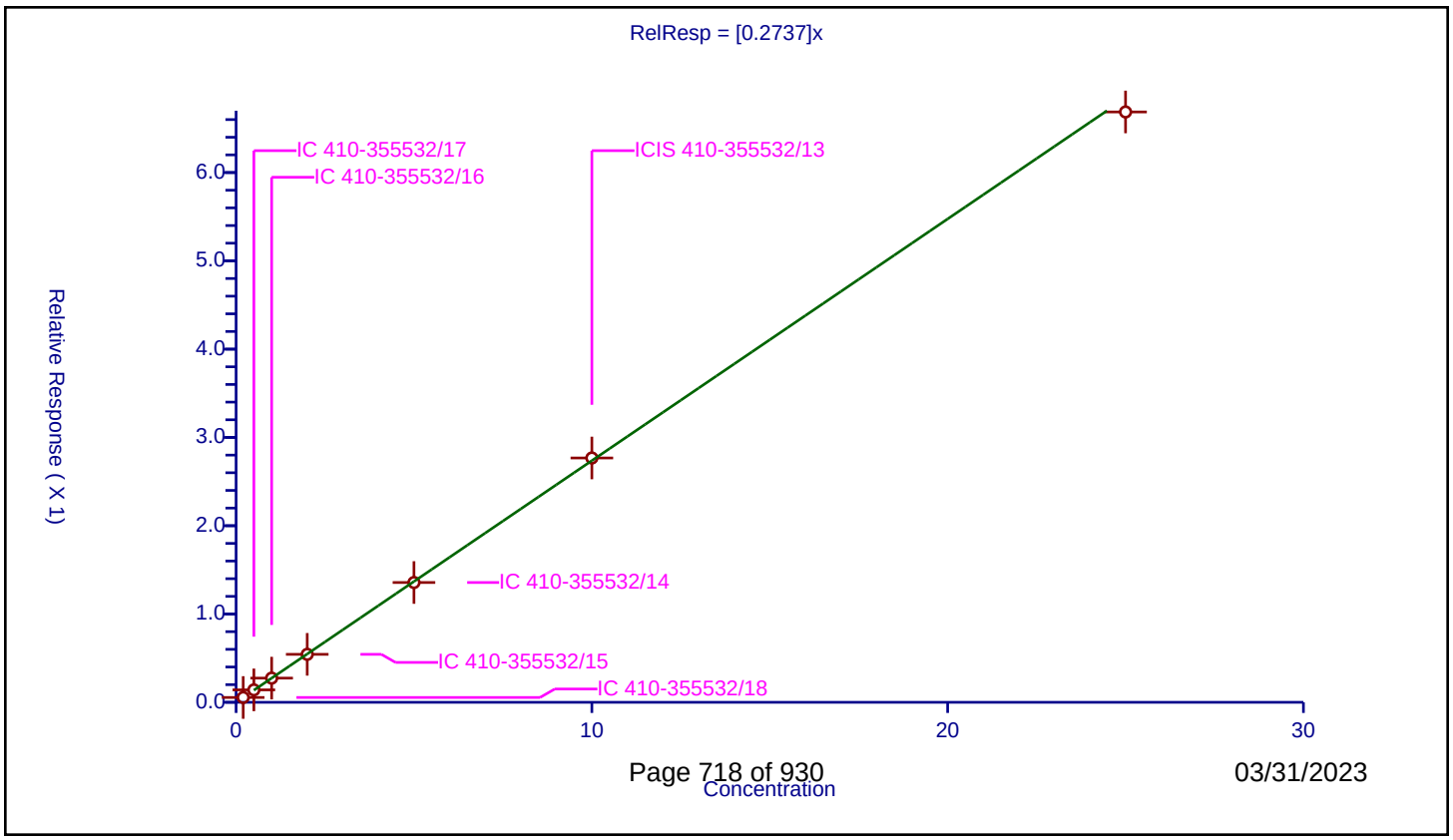
Curve Coefficients

Intercept:	0
Slope:	0.2737

Error Coefficients

Standard Error:	725000
Relative Standard Error:	1.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.054639	10.0	2286473.0	0.273194	Y
2	IC 410-355532/17	0.5	0.140737	10.0	2310552.0	0.281474	Y
3	IC 410-355532/16	1.0	0.274176	10.0	2343275.0	0.274176	Y
4	IC 410-355532/15	2.0	0.543367	10.0	2349279.0	0.271683	Y
5	IC 410-355532/14	5.0	1.356856	10.0	2387313.0	0.271371	Y
6	ICIS 410-355532/13	10.0	2.767284	10.0	2381761.0	0.276728	Y
7	IC 410-355532/12	25.0	6.686544	10.0	2408929.0	0.267462	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

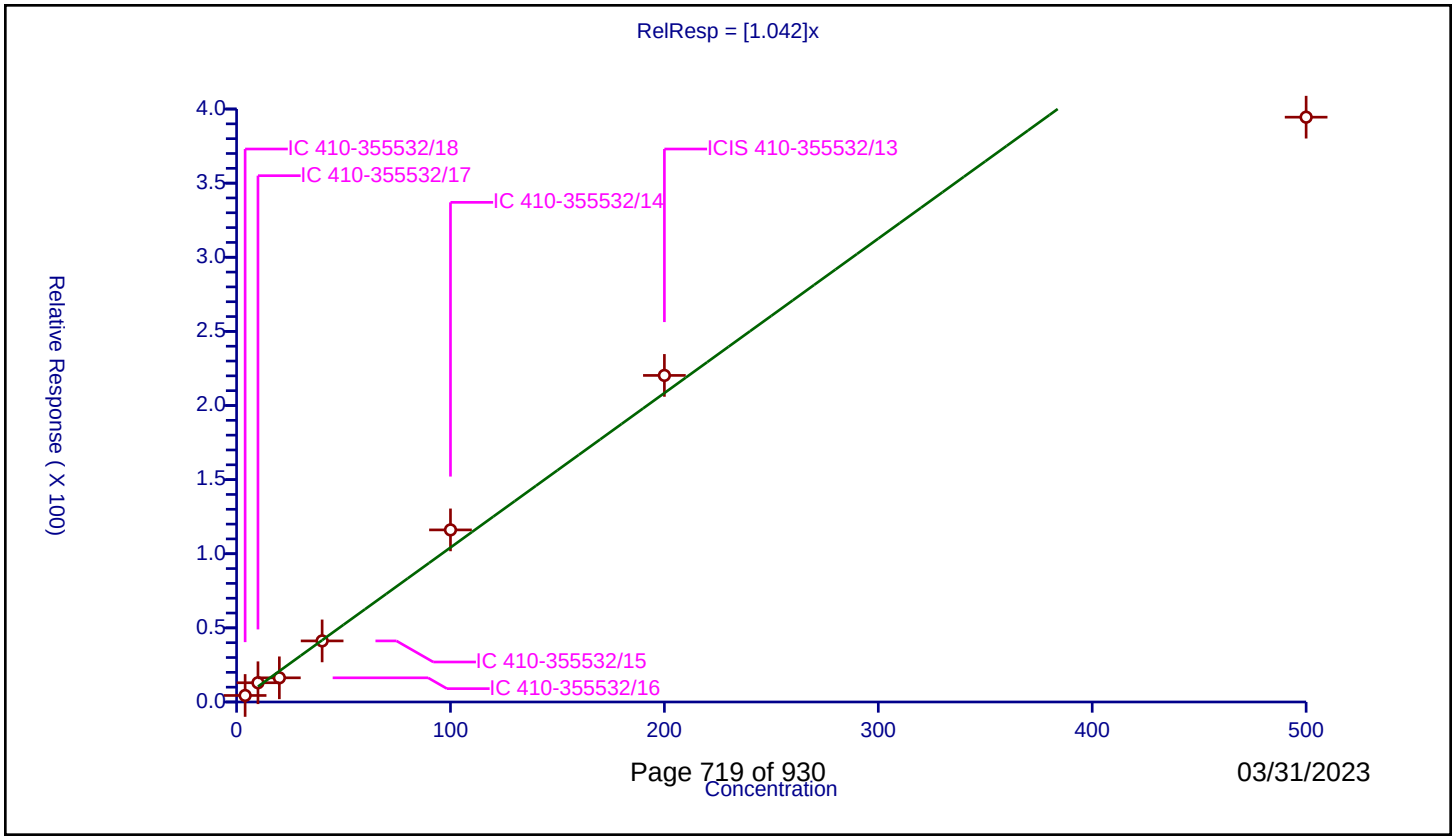
Curve Coefficients

Intercept:	0
Slope:	1.042

Error Coefficients

Standard Error:	519000
Relative Standard Error:	17.6
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	4.0	4.401914	50.0	126445.0	1.100478	Y
2	IC 410-355532/17	10.0	12.970383	50.0	153492.0	1.297038	Y
3	IC 410-355532/16	20.0	16.303504	50.0	134008.0	0.815175	Y
4	IC 410-355532/15	40.0	41.205989	50.0	97646.0	1.03015	Y
5	IC 410-355532/14	100.0	116.082366	50.0	125221.0	1.160824	Y
6	ICIS 410-355532/13	200.0	220.289609	50.0	120956.0	1.101448	Y
7	IC 410-355532/12	500.0	394.493258	50.0	141127.0	0.788987	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

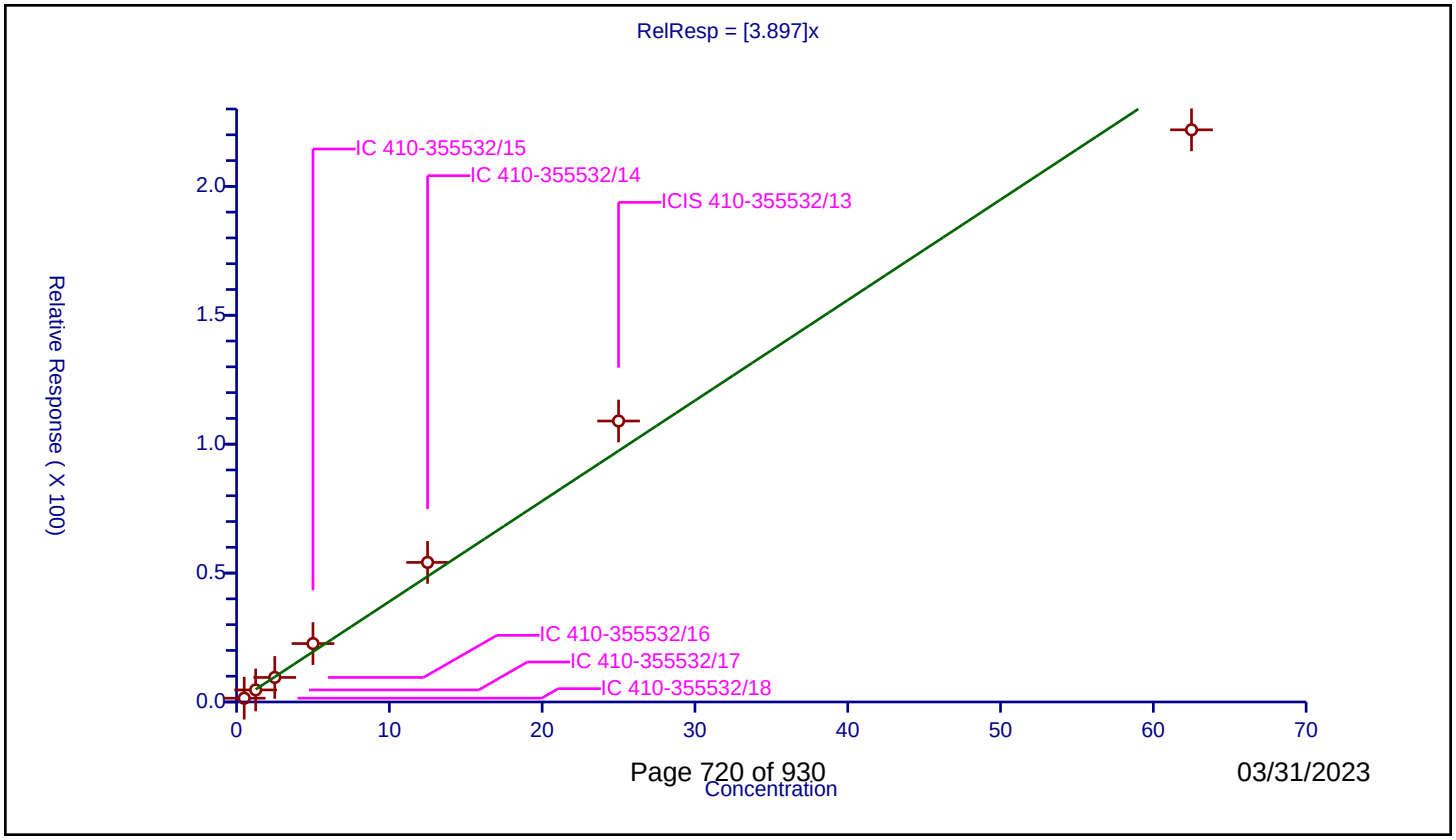
Curve Coefficients

Intercept:	0
Slope:	3.897

Error Coefficients

Standard Error:	284000
Relative Standard Error:	14.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.5	1.476136	50.0	126445.0	2.952272	Y
2	IC 410-355532/17	1.25	4.682654	50.0	153492.0	3.746124	Y
3	IC 410-355532/16	2.5	9.518835	50.0	134008.0	3.807534	Y
4	IC 410-355532/15	5.0	22.654282	50.0	97646.0	4.530856	Y
5	IC 410-355532/14	12.5	54.14587	50.0	125221.0	4.33167	Y
6	ICIS 410-355532/13	25.0	108.978885	50.0	120956.0	4.359155	Y
7	IC 410-355532/12	62.5	221.929184	50.0	141127.0	3.550867	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

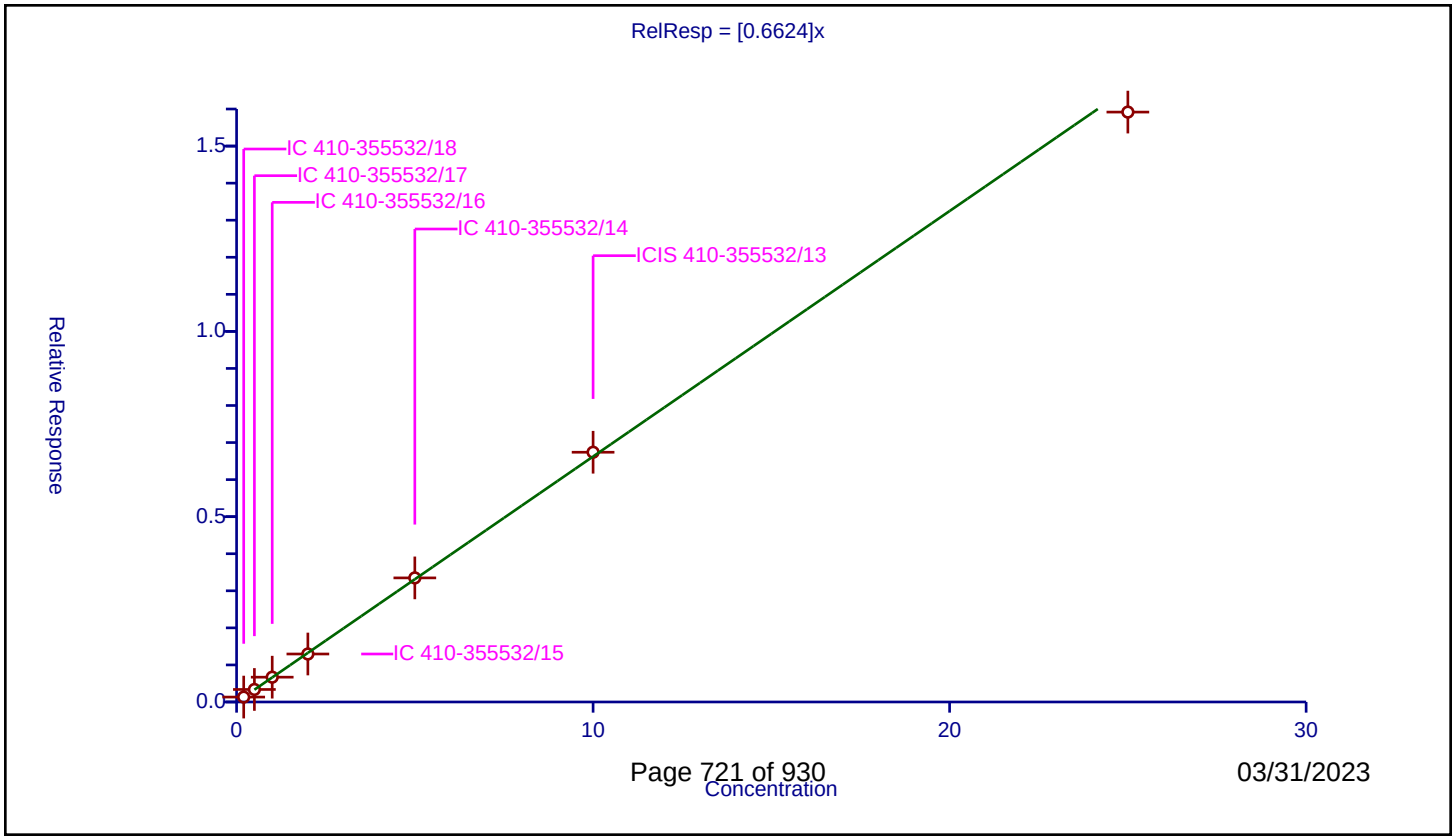
Curve Coefficients

Intercept:	0
Slope:	0.6624

Error Coefficients

Standard Error:	1730000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.132698	10.0	2286473.0	0.663489	Y
2	IC 410-355532/17	0.5	0.337781	10.0	2310552.0	0.675562	Y
3	IC 410-355532/16	1.0	0.66961	10.0	2343275.0	0.66961	Y
4	IC 410-355532/15	2.0	1.294976	10.0	2349279.0	0.647488	Y
5	IC 410-355532/14	5.0	3.348497	10.0	2387313.0	0.669699	Y
6	ICIS 410-355532/13	10.0	6.739043	10.0	2381761.0	0.673904	Y
7	IC 410-355532/12	25.0	15.917601	10.0	2408929.0	0.636704	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

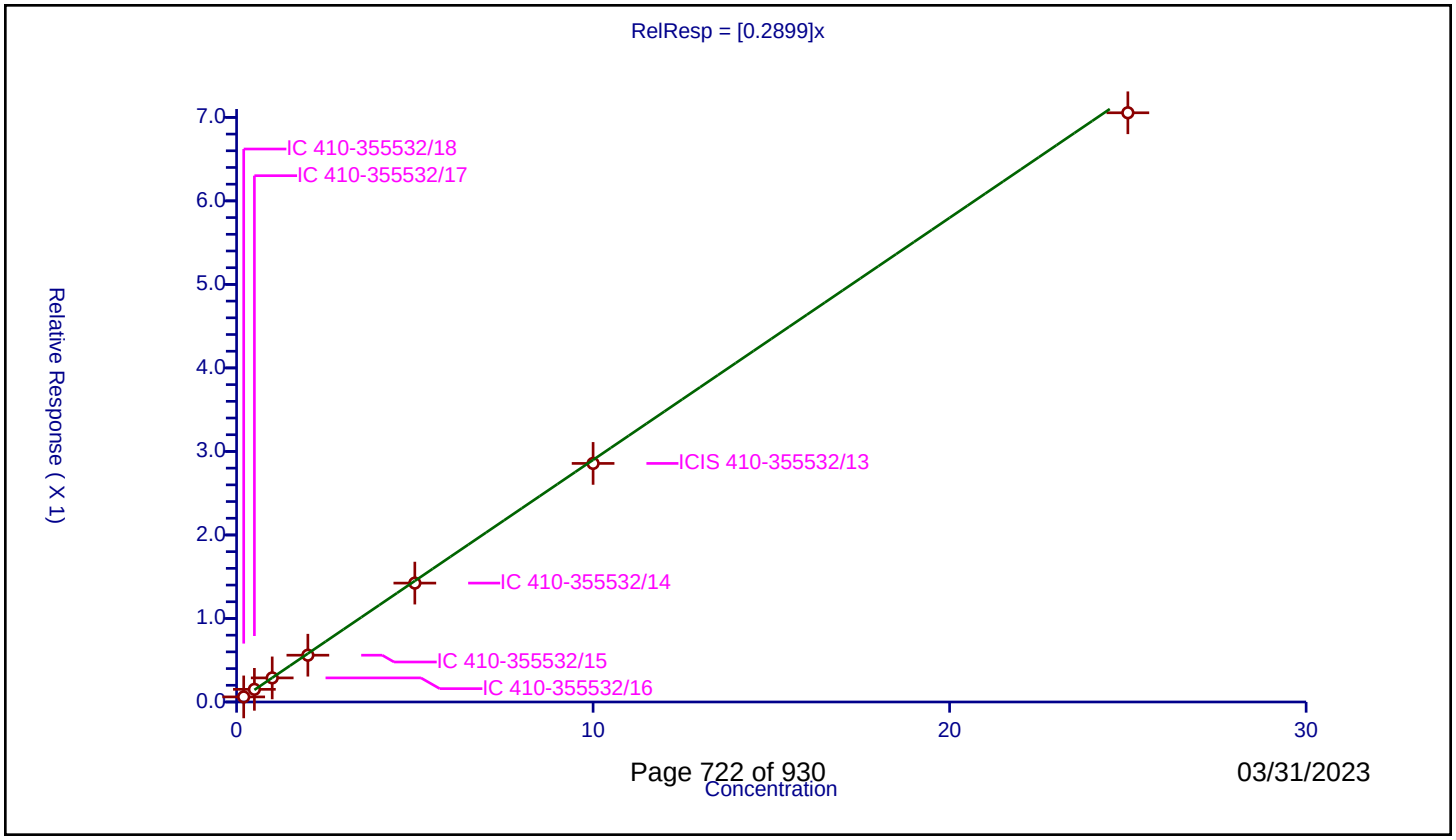
Curve Coefficients

Intercept:	0
Slope:	0.2899

Error Coefficients

Standard Error:	763000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.060932	10.0	2286473.0	0.304661	Y
2	IC 410-355532/17	0.5	0.151652	10.0	2310552.0	0.303304	Y
3	IC 410-355532/16	1.0	0.288506	10.0	2343275.0	0.288506	Y
4	IC 410-355532/15	2.0	0.560214	10.0	2349279.0	0.280107	Y
5	IC 410-355532/14	5.0	1.423642	10.0	2387313.0	0.284728	Y
6	ICIS 410-355532/13	10.0	2.856462	10.0	2381761.0	0.285646	Y
7	IC 410-355532/12	25.0	7.055077	10.0	2408929.0	0.282203	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

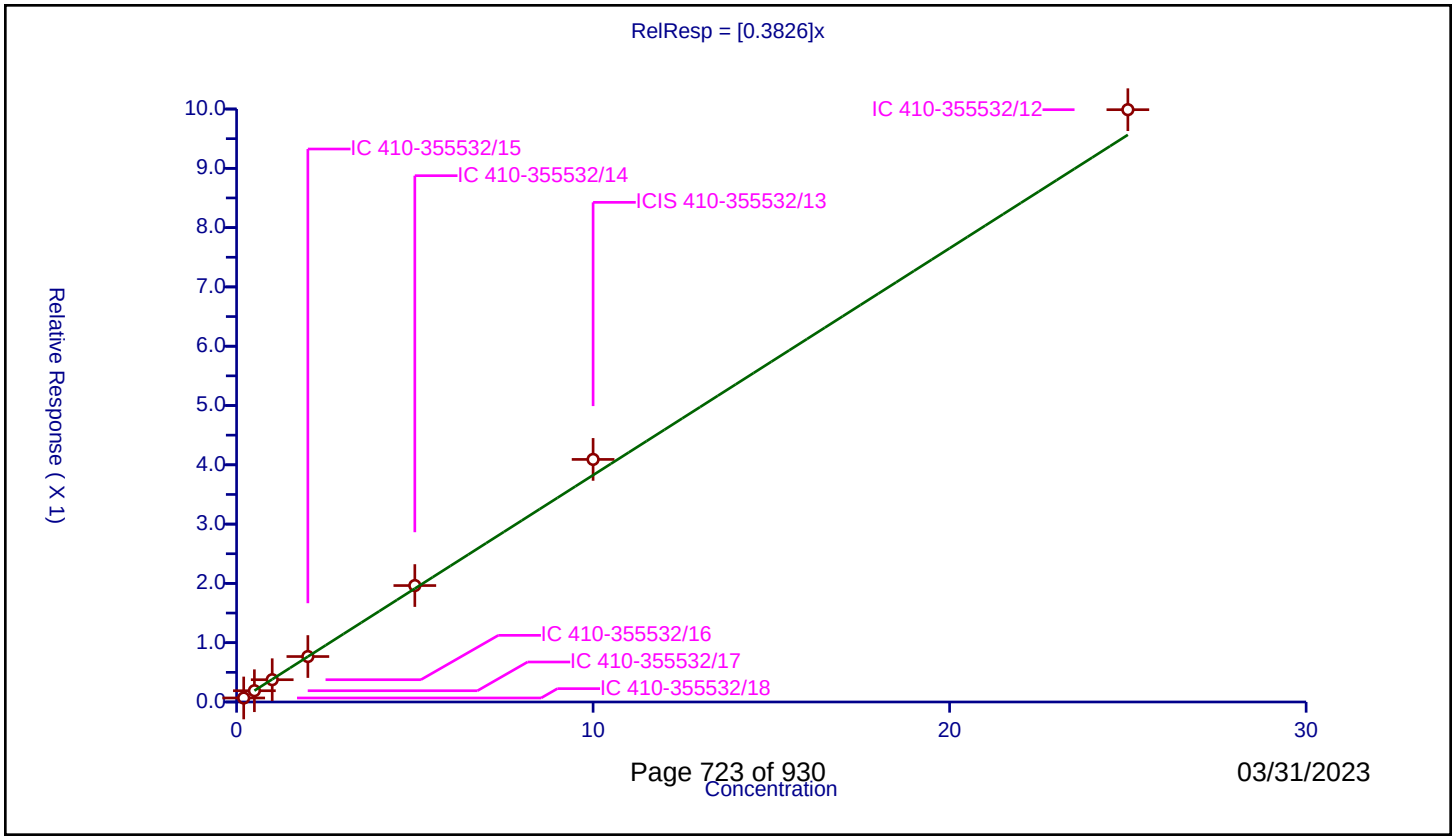
Curve Coefficients

Intercept:	0
Slope:	0.3826

Error Coefficients

Standard Error:	1080000
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 410-355532/18	0.2	0.067558	10.0	2286473.0	0.337791	Y
2	IC 410-355532/17	0.5	0.190028	10.0	2310552.0	0.380056	Y
3	IC 410-355532/16	1.0	0.375773	10.0	2343275.0	0.375773	Y
4	IC 410-355532/15	2.0	0.766342	10.0	2349279.0	0.383171	Y
5	IC 410-355532/14	5.0	1.963676	10.0	2387313.0	0.392735	Y
6	ICIS 410-355532/13	10.0	4.090599	10.0	2381761.0	0.40906	Y
7	IC 410-355532/12	25.0	9.988538	10.0	2408929.0	0.399542	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

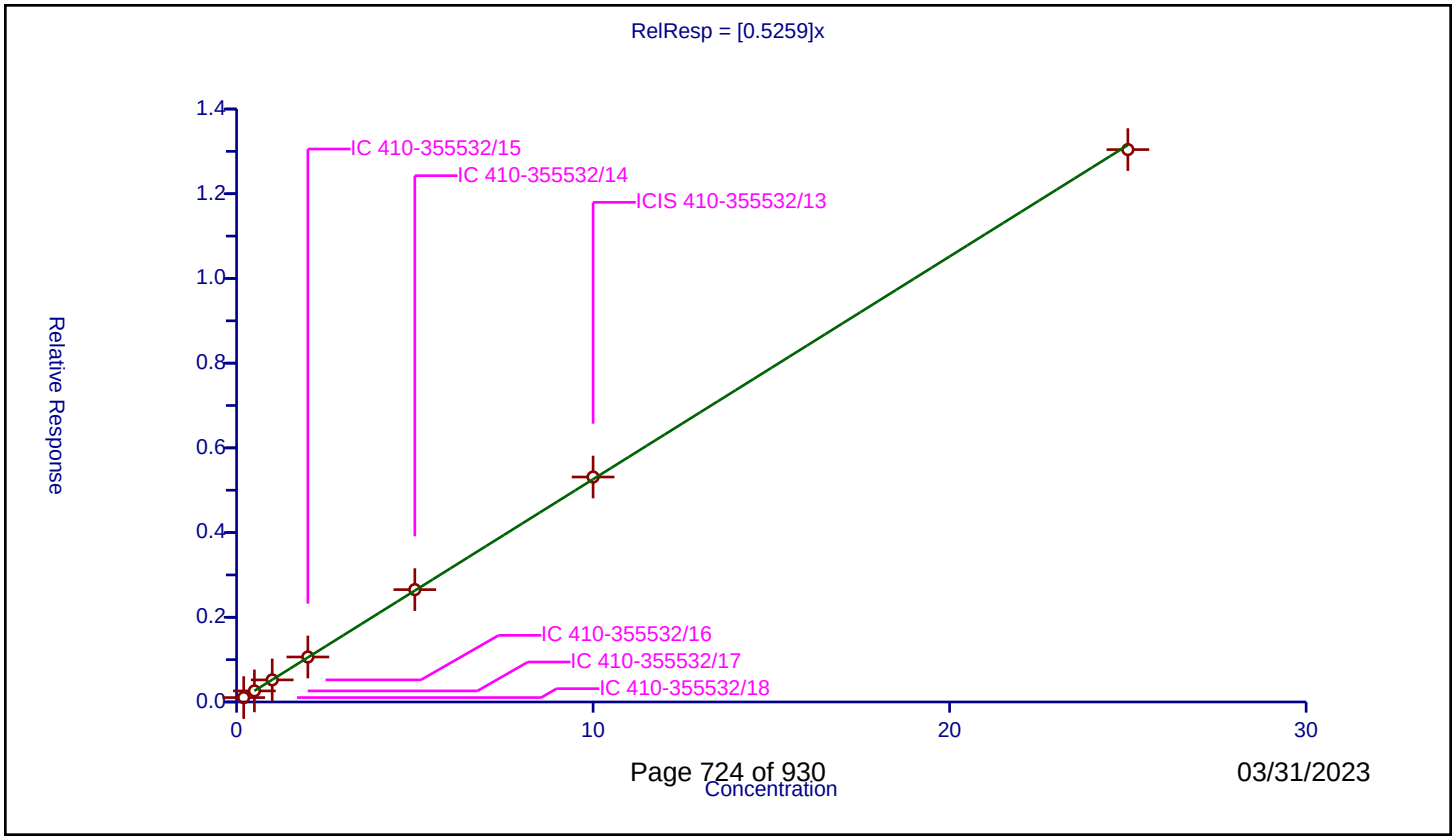
Curve Coefficients

Intercept:	0
Slope:	0.5259

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	0.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.104322	10.0	2286473.0	0.521611	Y
2	IC 410-355532/17	0.5	0.261613	10.0	2310552.0	0.523226	Y
3	IC 410-355532/16	1.0	0.521804	10.0	2343275.0	0.521804	Y
4	IC 410-355532/15	2.0	1.062649	10.0	2349279.0	0.531325	Y
5	IC 410-355532/14	5.0	2.652576	10.0	2387313.0	0.530515	Y
6	ICIS 410-355532/13	10.0	5.311864	10.0	2381761.0	0.531186	Y
7	IC 410-355532/12	25.0	13.041879	10.0	2408929.0	0.521675	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

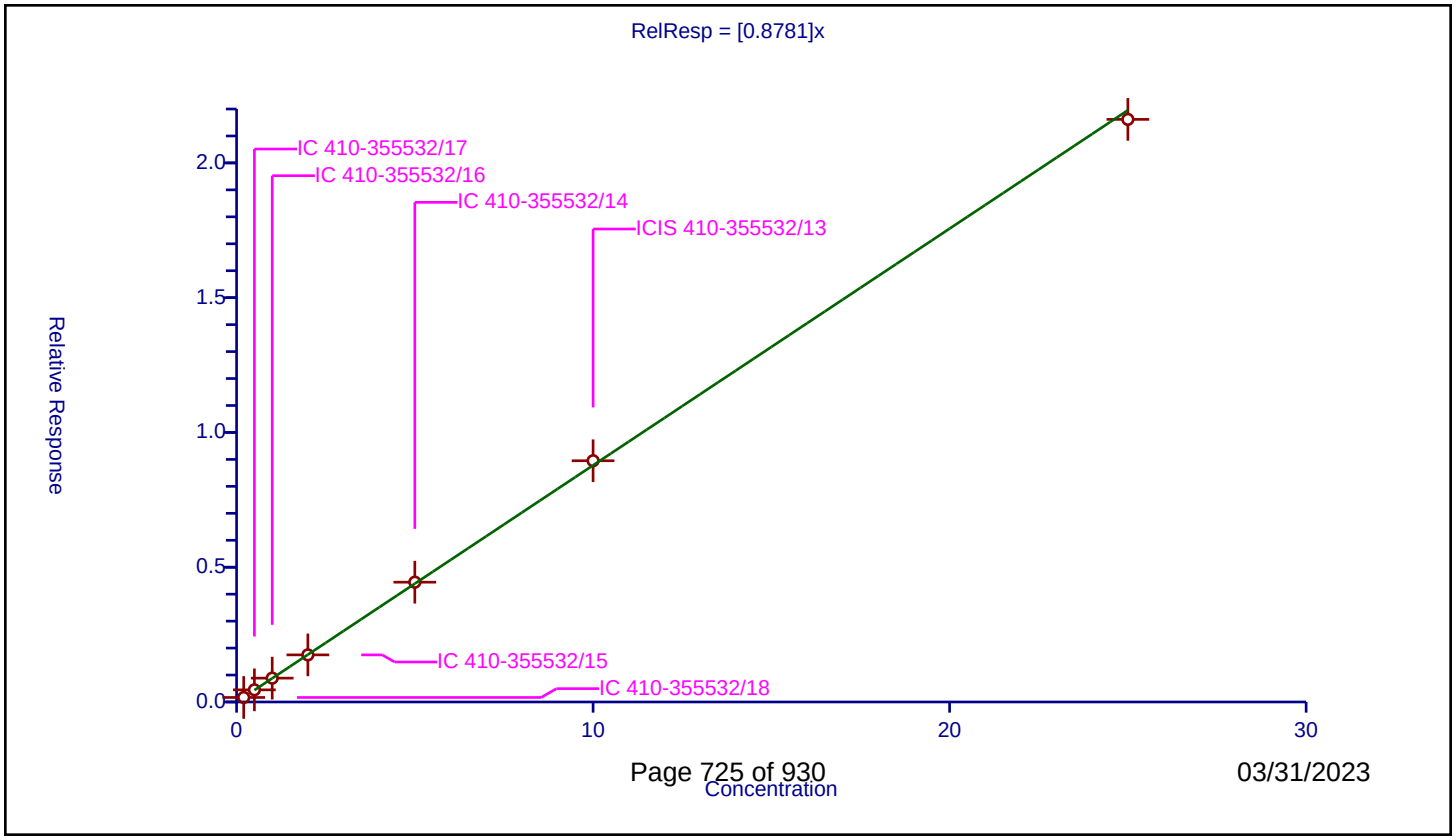
Curve Coefficients

Intercept:	0
Slope:	0.8781

Error Coefficients

Standard Error:	2350000
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 410-355532/18	0.2	0.167691	10.0	2286473.0	0.838453	Y
2	IC 410-355532/17	0.5	0.450693	10.0	2310552.0	0.901386	Y
3	IC 410-355532/16	1.0	0.884689	10.0	2343275.0	0.884689	Y
4	IC 410-355532/15	2.0	1.747502	10.0	2349279.0	0.873751	Y
5	IC 410-355532/14	5.0	4.444838	10.0	2387313.0	0.888968	Y
6	ICIS 410-355532/13	10.0	8.950571	10.0	2381761.0	0.895057	Y
7	IC 410-355532/12	25.0	21.615099	10.0	2408929.0	0.864604	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

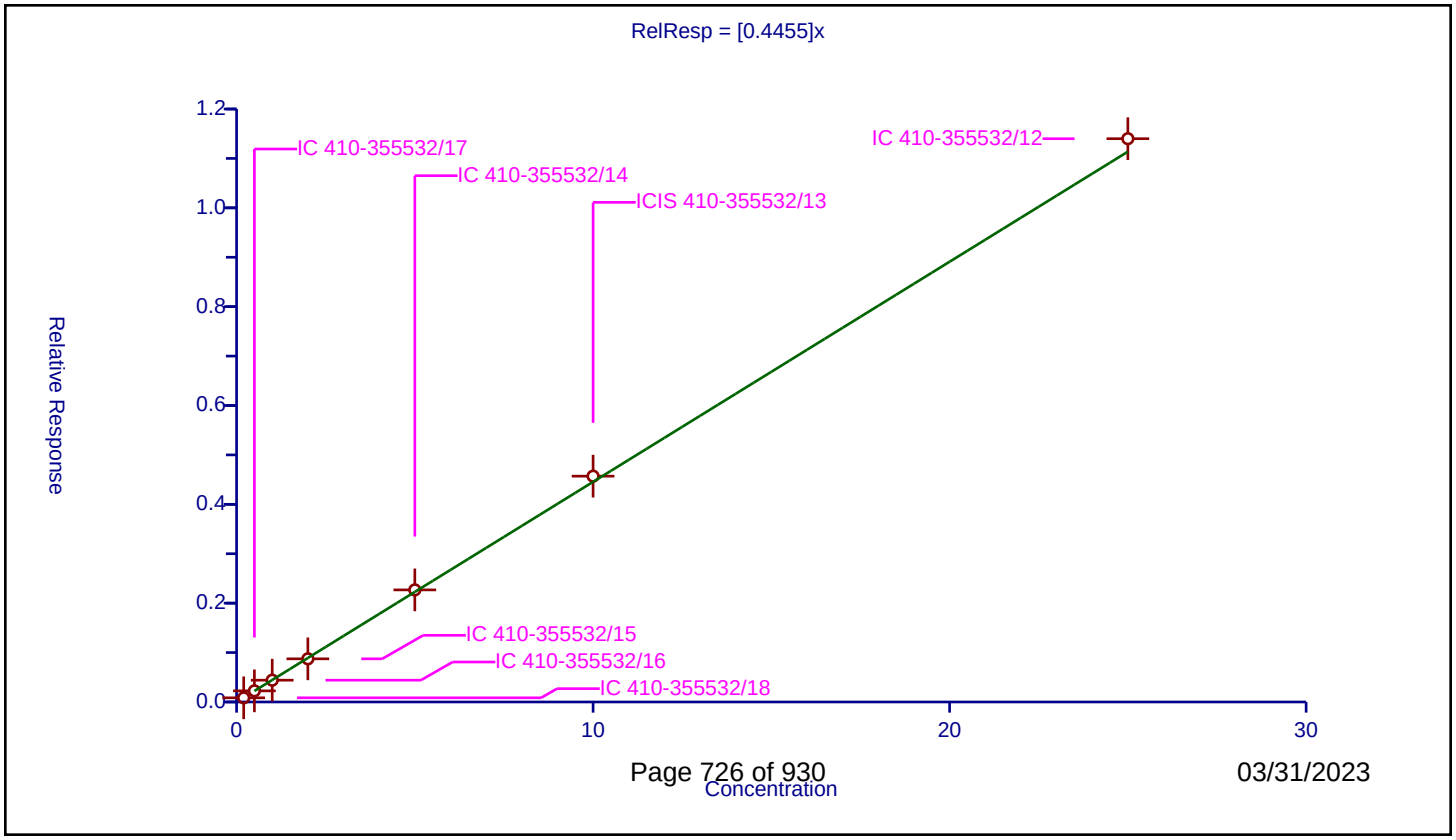
Curve Coefficients

Intercept:	0
Slope:	0.4455

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.084484	10.0	2286473.0	0.422419	Y
2	IC 410-355532/17	0.5	0.225535	10.0	2310552.0	0.45107	Y
3	IC 410-355532/16	1.0	0.441323	10.0	2343275.0	0.441323	Y
4	IC 410-355532/15	2.0	0.873681	10.0	2349279.0	0.43684	Y
5	IC 410-355532/14	5.0	2.268215	10.0	2387313.0	0.453643	Y
6	ICIS 410-355532/13	10.0	4.56982	10.0	2381761.0	0.456982	Y
7	IC 410-355532/12	25.0	11.399244	10.0	2408929.0	0.45597	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

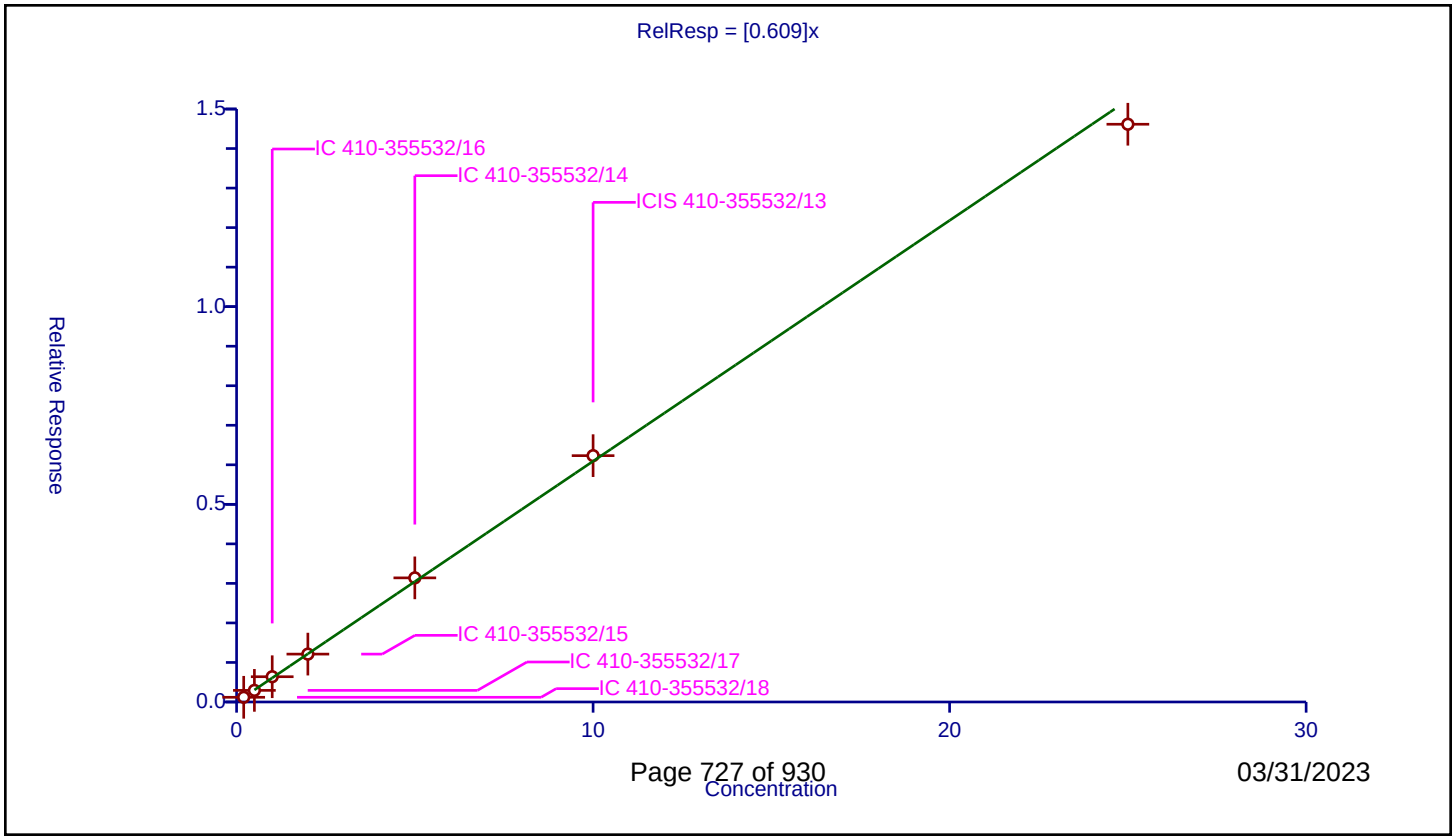
Curve Coefficients

Intercept:	0
Slope:	0.609

Error Coefficients

Standard Error:	1600000
Relative Standard Error:	3.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.119201	10.0	2286473.0	0.596005	Y
2	IC 410-355532/17	0.5	0.293588	10.0	2310552.0	0.587176	Y
3	IC 410-355532/16	1.0	0.63882	10.0	2343275.0	0.63882	Y
4	IC 410-355532/15	2.0	1.211427	10.0	2349279.0	0.605713	Y
5	IC 410-355532/14	5.0	3.13958	10.0	2387313.0	0.627916	Y
6	ICIS 410-355532/13	10.0	6.231238	10.0	2381761.0	0.623124	Y
7	IC 410-355532/12	25.0	14.614798	10.0	2408929.0	0.584592	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

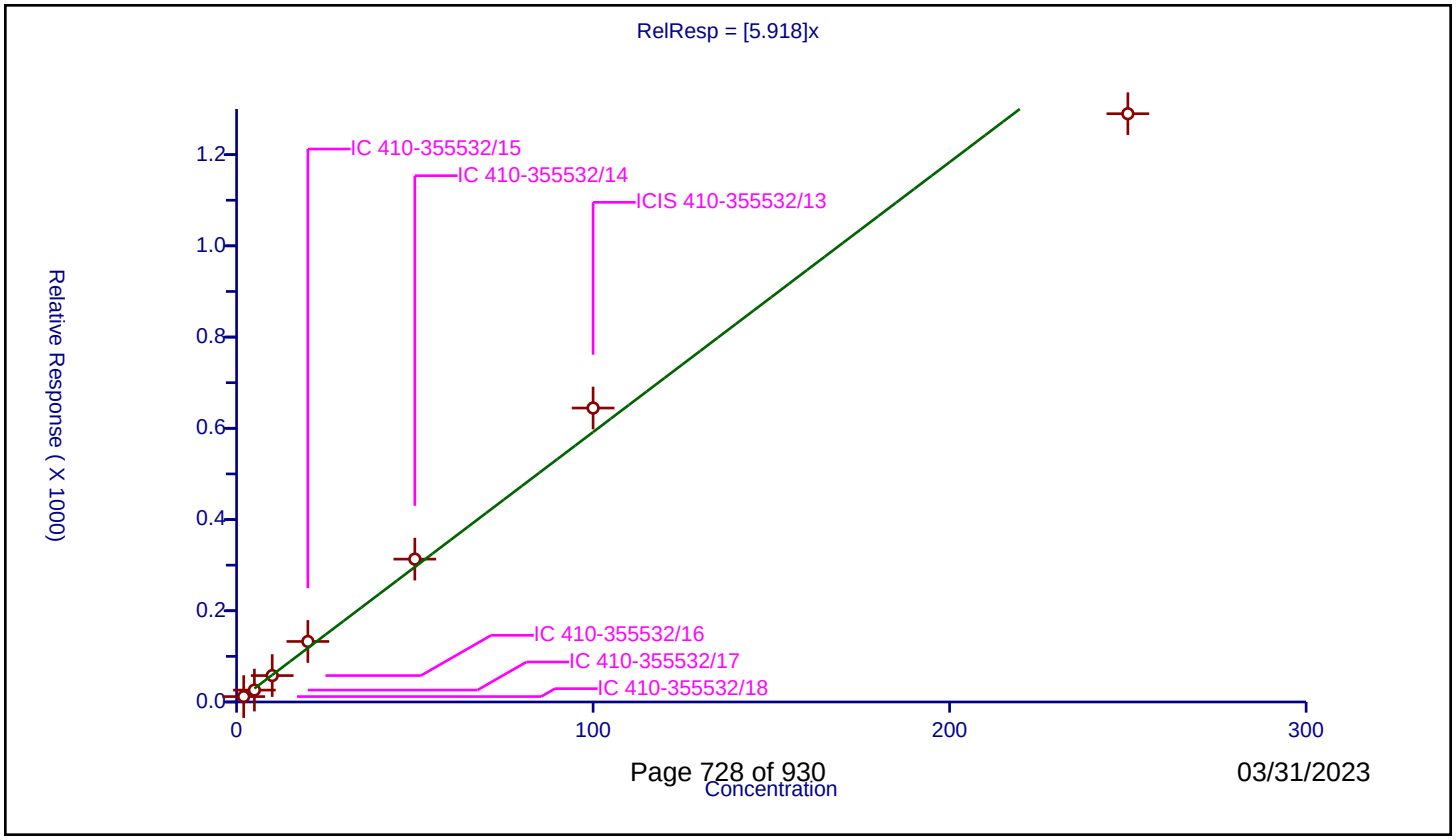
Curve Coefficients

Intercept:	0
Slope:	5.918

Error Coefficients

Standard Error:	1650000
Relative Standard Error:	9.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	2.0	11.811855	50.0	126445.0	5.905927	Y
2	IC 410-355532/17	5.0	26.122534	50.0	153492.0	5.224507	Y
3	IC 410-355532/16	10.0	57.91408	50.0	134008.0	5.791408	Y
4	IC 410-355532/15	20.0	132.673125	50.0	97646.0	6.633656	Y
5	IC 410-355532/14	50.0	313.199064	50.0	125221.0	6.263981	Y
6	ICIS 410-355532/13	100.0	644.450461	50.0	120956.0	6.444505	Y
7	IC 410-355532/12	250.0	1289.687303	50.0	141127.0	5.158749	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

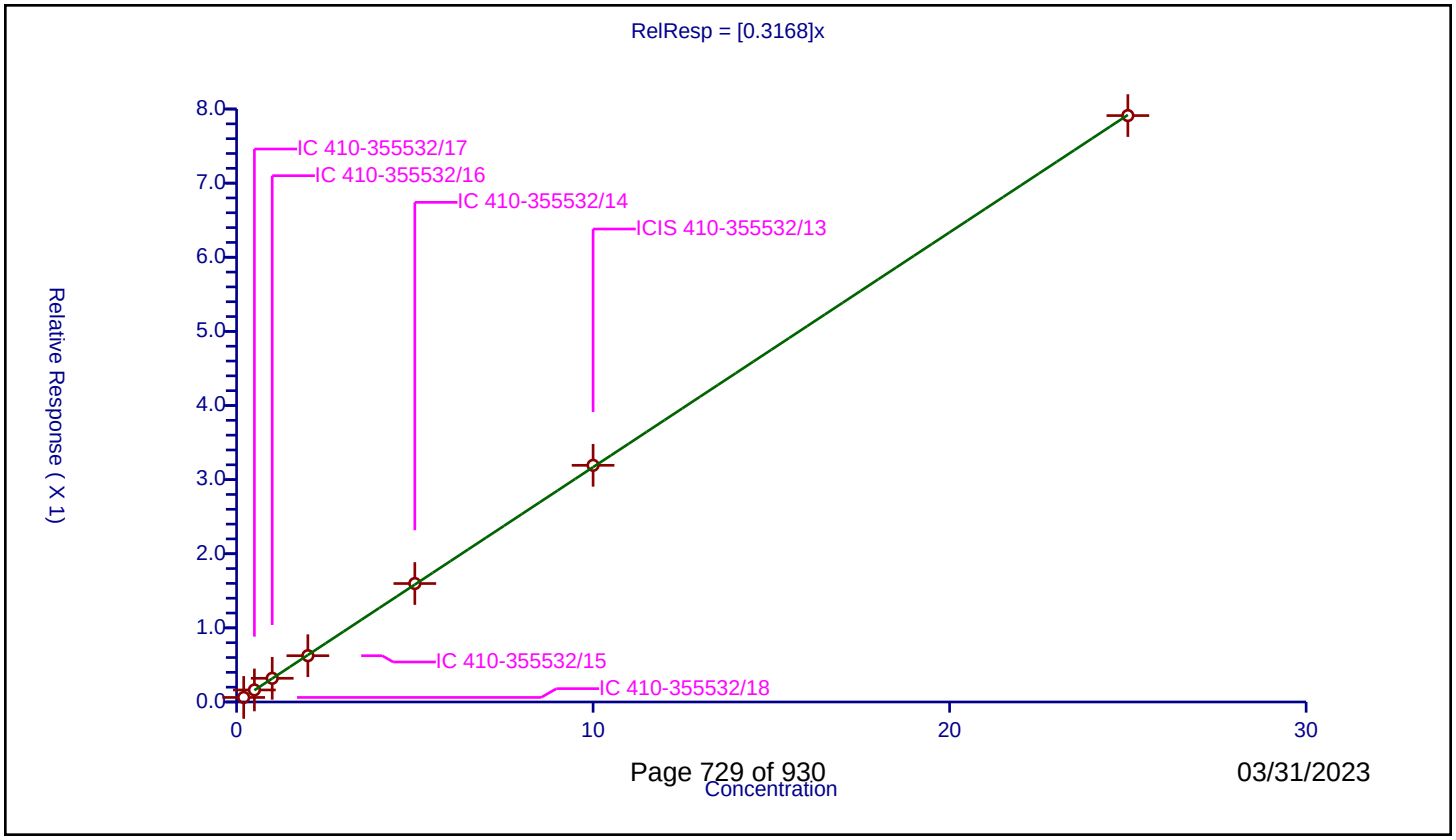
Curve Coefficients

Intercept:	0
Slope:	0.3168

Error Coefficients

Standard Error:	855000
Relative Standard Error:	1.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.061177	10.0	2286473.0	0.305886	Y
2	IC 410-355532/17	0.5	0.162264	10.0	2310552.0	0.324529	Y
3	IC 410-355532/16	1.0	0.319702	10.0	2343275.0	0.319702	Y
4	IC 410-355532/15	2.0	0.624417	10.0	2349279.0	0.312209	Y
5	IC 410-355532/14	5.0	1.598433	10.0	2387313.0	0.319687	Y
6	ICIS 410-355532/13	10.0	3.192948	10.0	2381761.0	0.319295	Y
7	IC 410-355532/12	25.0	7.911578	10.0	2408929.0	0.316463	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

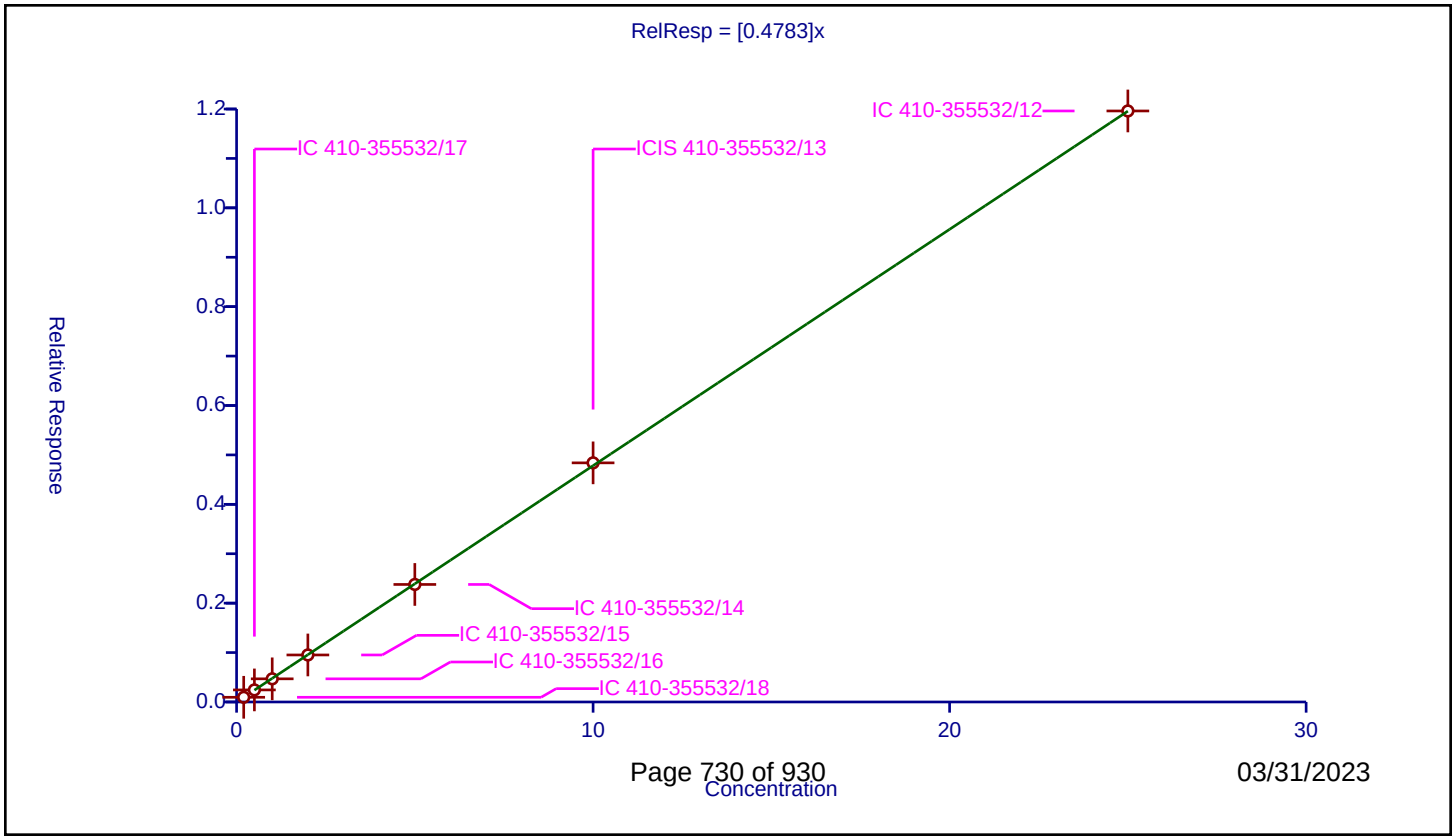
Curve Coefficients

Intercept:	0
Slope:	0.4783

Error Coefficients

Standard Error:	1290000
Relative Standard Error:	1.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.095405	10.0	2286473.0	0.477023	Y
2	IC 410-355532/17	0.5	0.244214	10.0	2310552.0	0.488429	Y
3	IC 410-355532/16	1.0	0.46843	10.0	2343275.0	0.46843	Y
4	IC 410-355532/15	2.0	0.951913	10.0	2349279.0	0.475957	Y
5	IC 410-355532/14	5.0	2.37826	10.0	2387313.0	0.475652	Y
6	ICIS 410-355532/13	10.0	4.839486	10.0	2381761.0	0.483949	Y
7	IC 410-355532/12	25.0	11.960751	10.0	2408929.0	0.47843	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

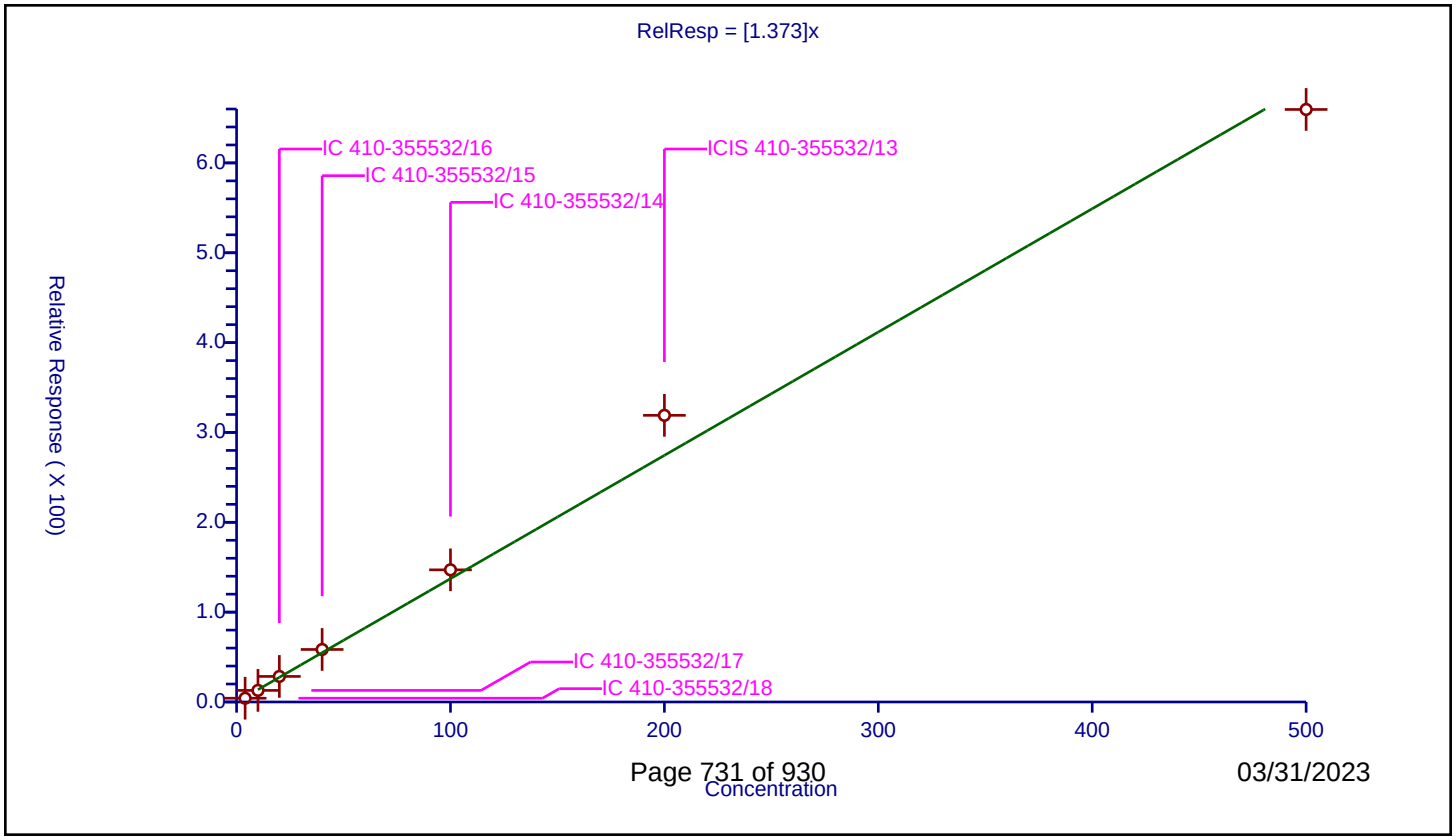
Curve Coefficients

Intercept:	0
Slope:	1.373

Error Coefficients

Standard Error:	838000
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 410-355532/18	4.0	4.193918	50.0	126445.0	1.04848	Y
2	IC 410-355532/17	10.0	12.905559	50.0	153492.0	1.290556	Y
3	IC 410-355532/16	20.0	28.444197	50.0	134008.0	1.42221	Y
4	IC 410-355532/15	40.0	58.451447	50.0	97646.0	1.461286	Y
5	IC 410-355532/14	100.0	147.071977	50.0	125221.0	1.47072	Y
6	ICIS 410-355532/13	200.0	319.069331	50.0	120956.0	1.595347	Y
7	IC 410-355532/12	500.0	659.498891	50.0	141127.0	1.318998	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

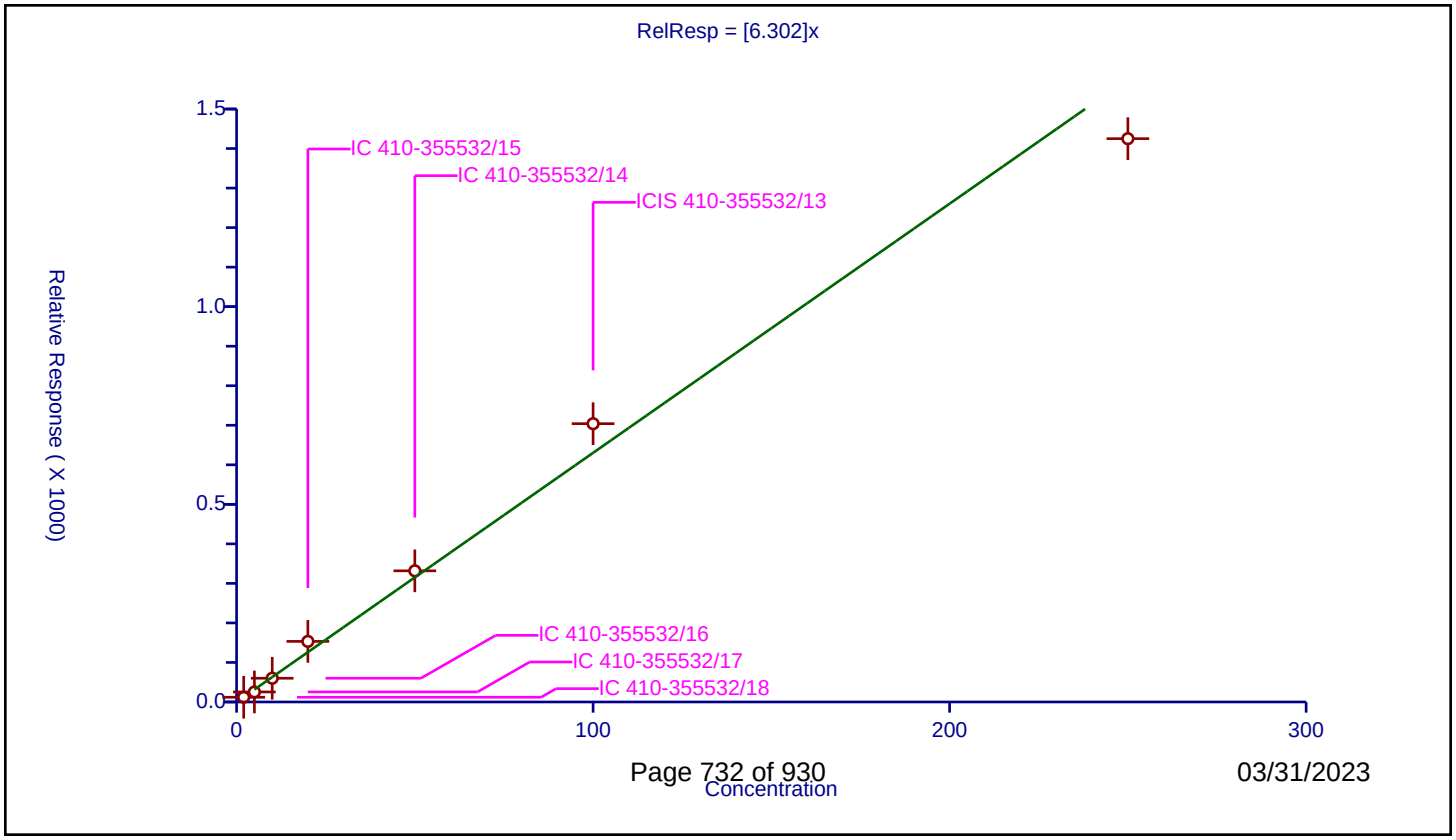
Curve Coefficients

Intercept:	0
Slope:	6.302

Error Coefficients

Standard Error:	1820000
Relative Standard Error:	13.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	2.0	11.979121	50.0	126445.0	5.989561	Y
2	IC 410-355532/17	5.0	25.391551	50.0	153492.0	5.07831	Y
3	IC 410-355532/16	10.0	60.08298	50.0	134008.0	6.008298	Y
4	IC 410-355532/15	20.0	153.266903	50.0	97646.0	7.663345	Y
5	IC 410-355532/14	50.0	331.796983	50.0	125221.0	6.63594	Y
6	ICIS 410-355532/13	100.0	703.995668	50.0	120956.0	7.039957	Y
7	IC 410-355532/12	250.0	1424.969	50.0	141127.0	5.699876	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

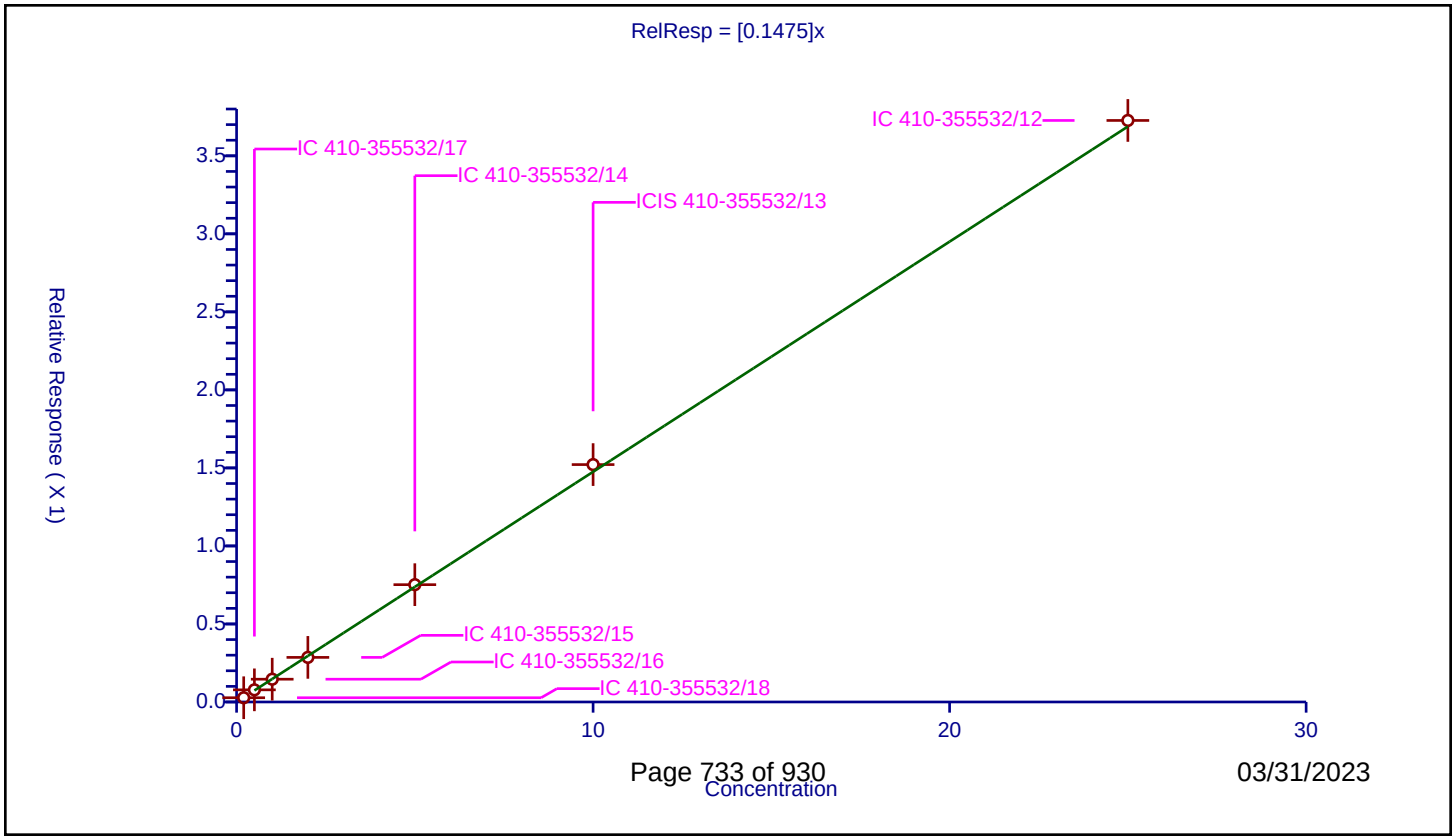
Curve Coefficients

Intercept:	0
Slope:	0.1475

Error Coefficients

Standard Error:	403000
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 410-355532/18	0.2	0.027317	10.0	2286473.0	0.136586	Y
2	IC 410-355532/17	0.5	0.077782	10.0	2310552.0	0.155565	Y
3	IC 410-355532/16	1.0	0.145954	10.0	2343275.0	0.145954	Y
4	IC 410-355532/15	2.0	0.285764	10.0	2349279.0	0.142882	Y
5	IC 410-355532/14	5.0	0.751824	10.0	2387313.0	0.150365	Y
6	ICIS 410-355532/13	10.0	1.521274	10.0	2381761.0	0.152127	Y
7	IC 410-355532/12	25.0	3.726619	10.0	2408929.0	0.149065	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

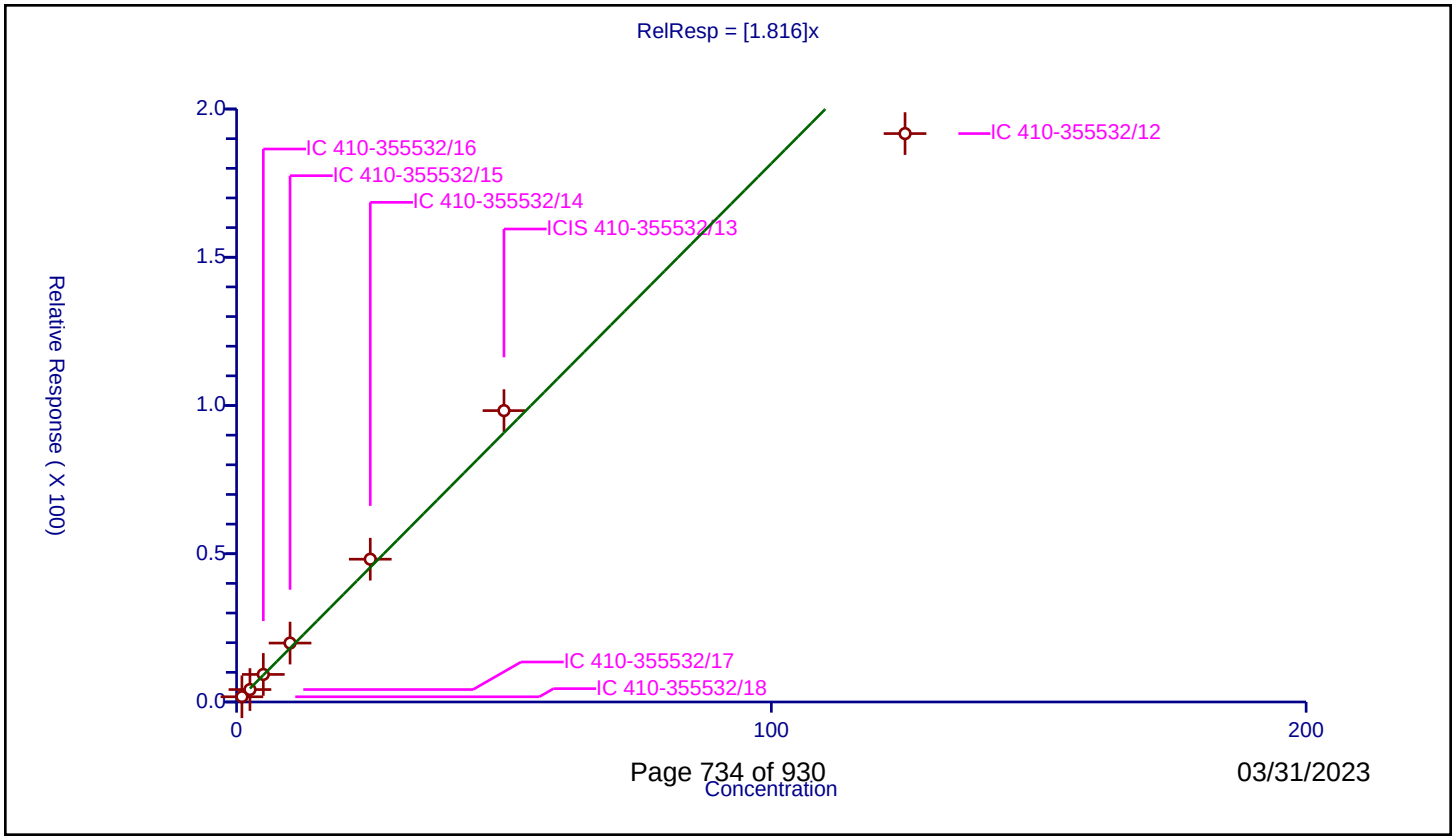
Curve Coefficients

Intercept:	0
Slope:	1.816

Error Coefficients

Standard Error:	247000
Relative Standard Error:	9.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	1.0	1.762426	50.0	126445.0	1.762426	Y
2	IC 410-355532/17	2.5	4.198916	50.0	153492.0	1.679566	Y
3	IC 410-355532/16	5.0	9.29646	50.0	134008.0	1.859292	Y
4	IC 410-355532/15	10.0	19.874342	50.0	97646.0	1.987434	Y
5	IC 410-355532/14	25.0	48.163647	50.0	125221.0	1.926546	Y
6	ICIS 410-355532/13	50.0	98.273339	50.0	120956.0	1.965467	Y
7	IC 410-355532/12	125.0	191.712075	50.0	141127.0	1.533697	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

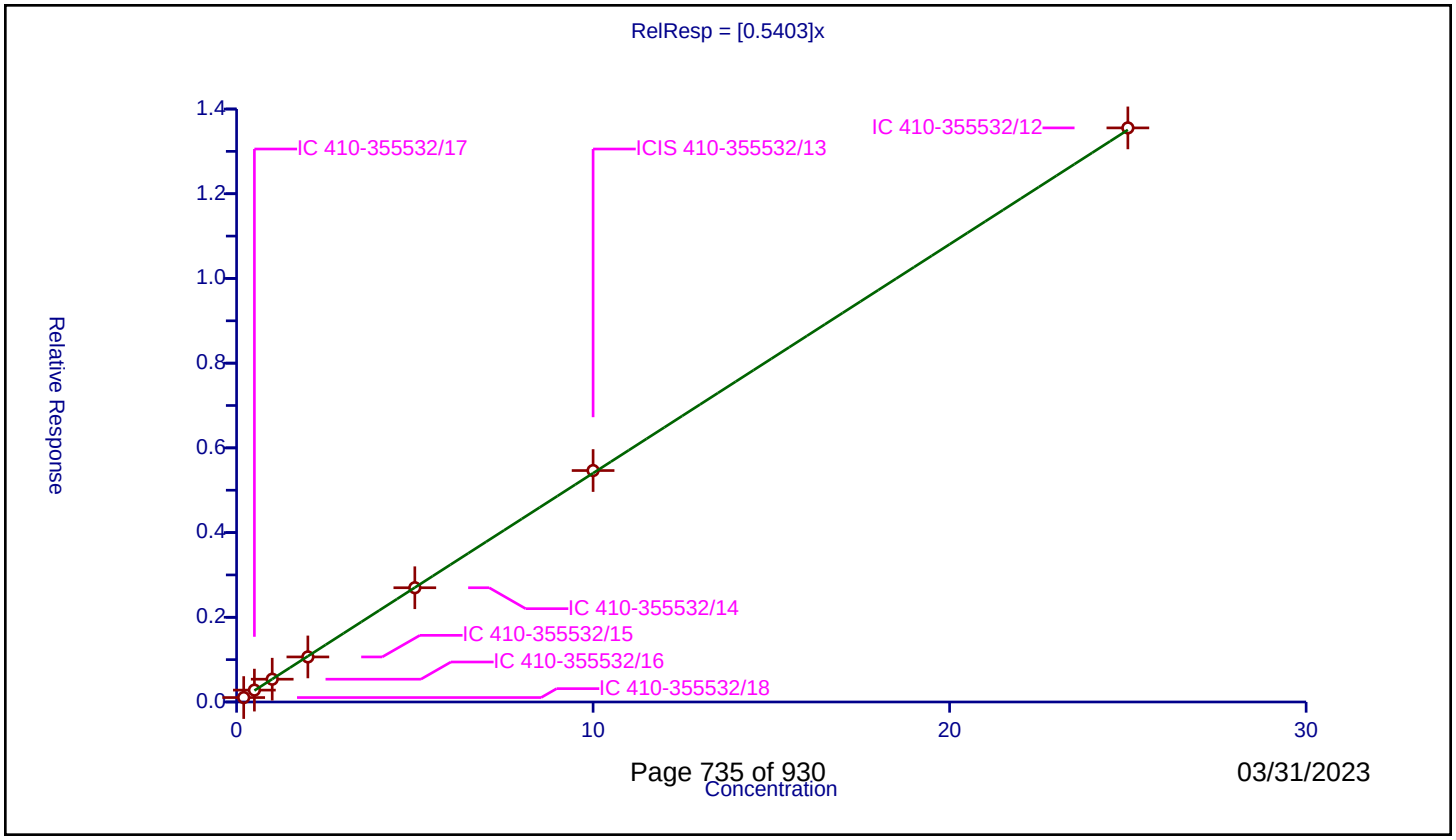
Curve Coefficients

Intercept:	0
Slope:	0.5403

Error Coefficients

Standard Error:	1460000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.104668	10.0	2286473.0	0.523339	Y
2	IC 410-355532/17	0.5	0.280452	10.0	2310552.0	0.560905	Y
3	IC 410-355532/16	1.0	0.53791	10.0	2343275.0	0.53791	Y
4	IC 410-355532/15	2.0	1.063803	10.0	2349279.0	0.531901	Y
5	IC 410-355532/14	5.0	2.697497	10.0	2387313.0	0.539499	Y
6	ICIS 410-355532/13	10.0	5.464327	10.0	2381761.0	0.546433	Y
7	IC 410-355532/12	25.0	13.554218	10.0	2408929.0	0.542169	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

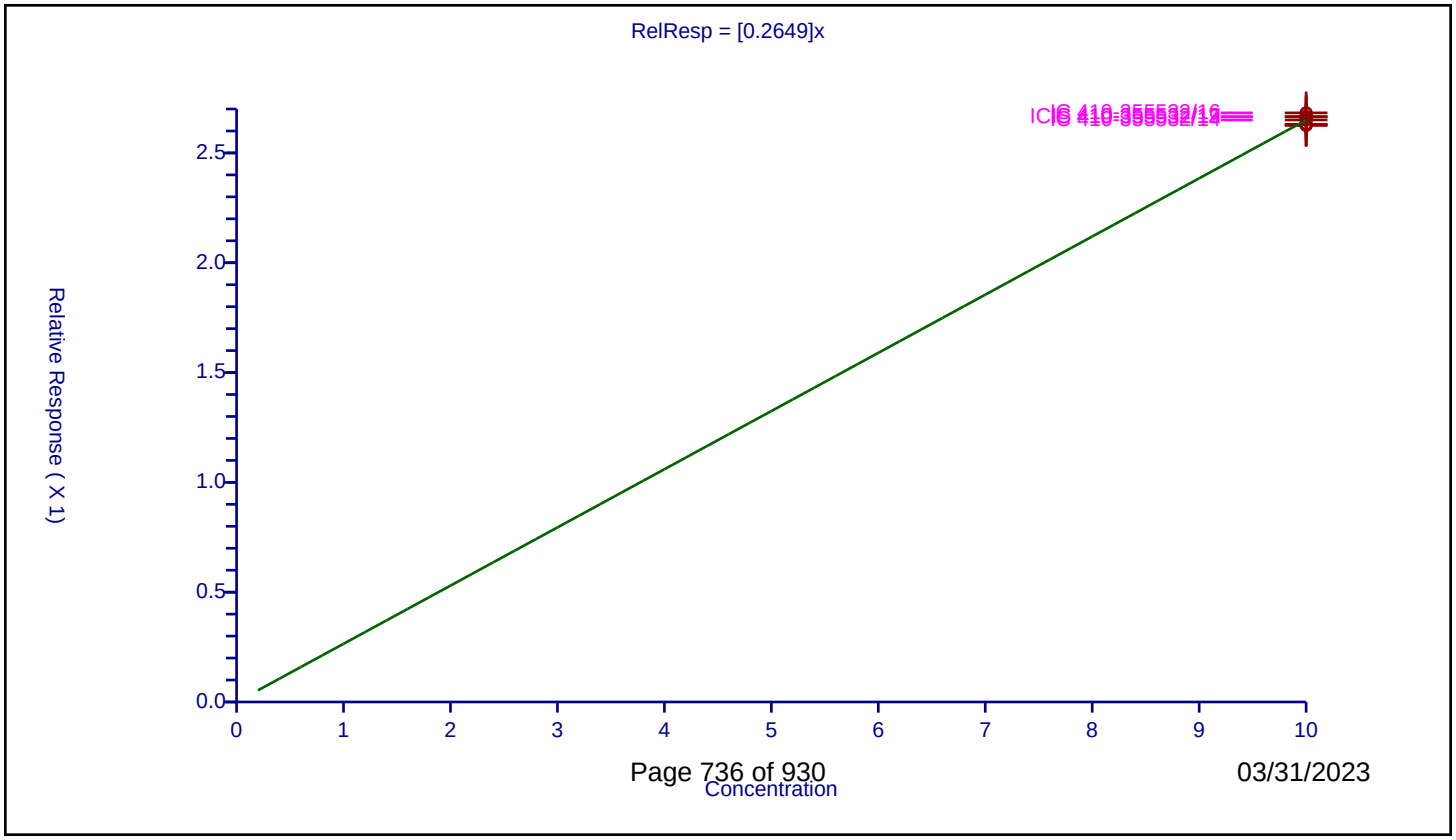
Curve Coefficients

Intercept:	0
Slope:	0.2649

Error Coefficients

Standard Error:	673000
Relative Standard Error:	0.8
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/12	10.0	2.630468	10.0	2408929.0	0.263047	Y
2	ICIS 410-355532/13	10.0	2.664768	10.0	2381761.0	0.266477	Y
3	IC 410-355532/14	10.0	2.650201	10.0	2387313.0	0.26502	Y
4	IC 410-355532/15	10.0	2.627793	10.0	2349279.0	0.262779	Y
5	IC 410-355532/16	10.0	2.682417	10.0	2343275.0	0.268242	Y
6	IC 410-355532/17	10.0	2.664995	10.0	2310552.0	0.2665	Y
7	IC 410-355532/18	10.0	2.625227	10.0	2286473.0	0.262523	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

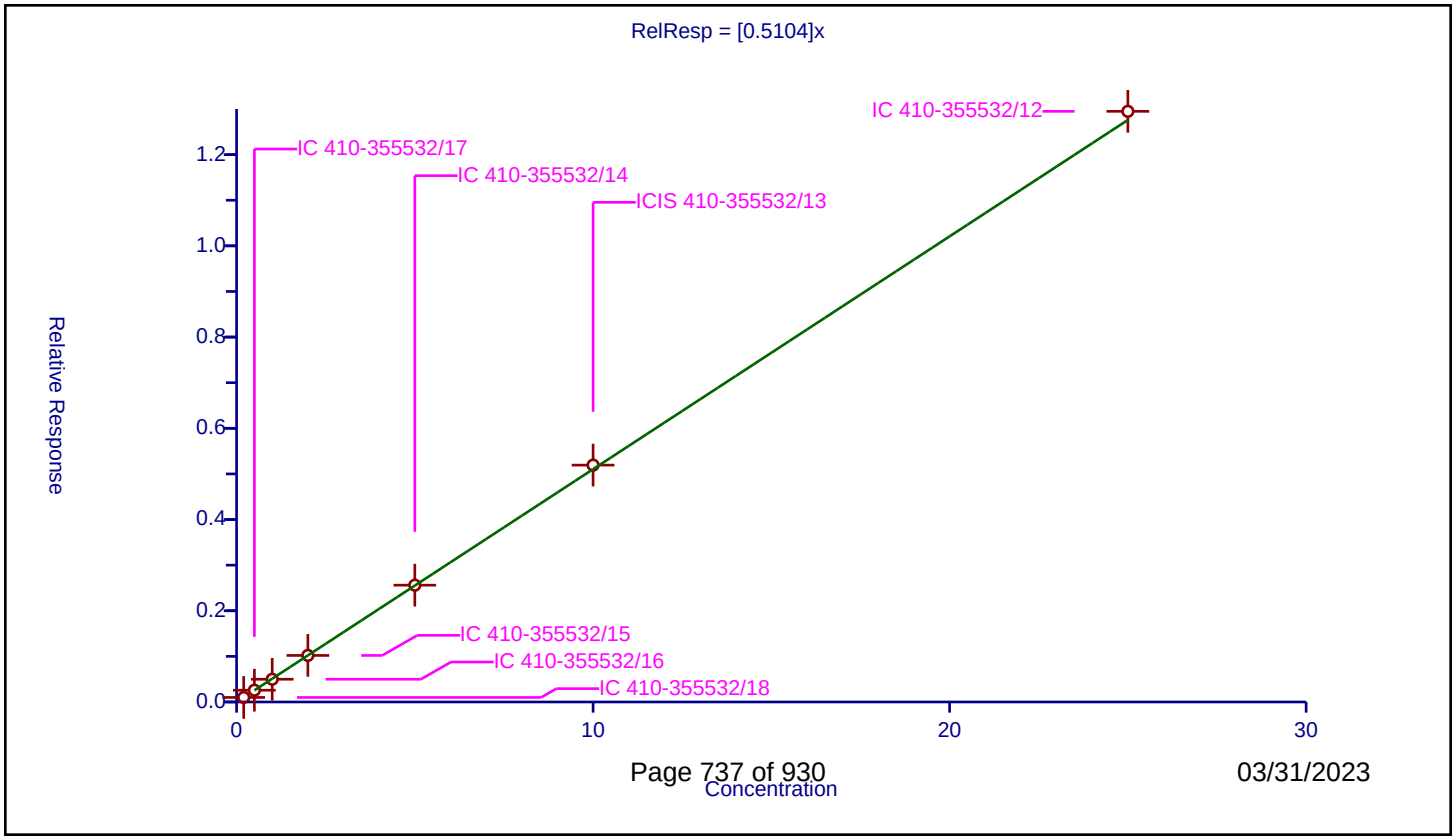
Curve Coefficients

Intercept:	0
Slope:	0.5104

Error Coefficients

Standard Error:	1400000
Relative Standard Error:	1.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.099503	10.0	2286473.0	0.497513	Y
2	IC 410-355532/17	0.5	0.258397	10.0	2310552.0	0.516794	Y
3	IC 410-355532/16	1.0	0.498648	10.0	2343275.0	0.498648	Y
4	IC 410-355532/15	2.0	1.020564	10.0	2349279.0	0.510282	Y
5	IC 410-355532/14	5.0	2.560988	10.0	2387313.0	0.512198	Y
6	ICIS 410-355532/13	10.0	5.192771	10.0	2381761.0	0.519277	Y
7	IC 410-355532/12	25.0	12.948962	10.0	2408929.0	0.517958	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

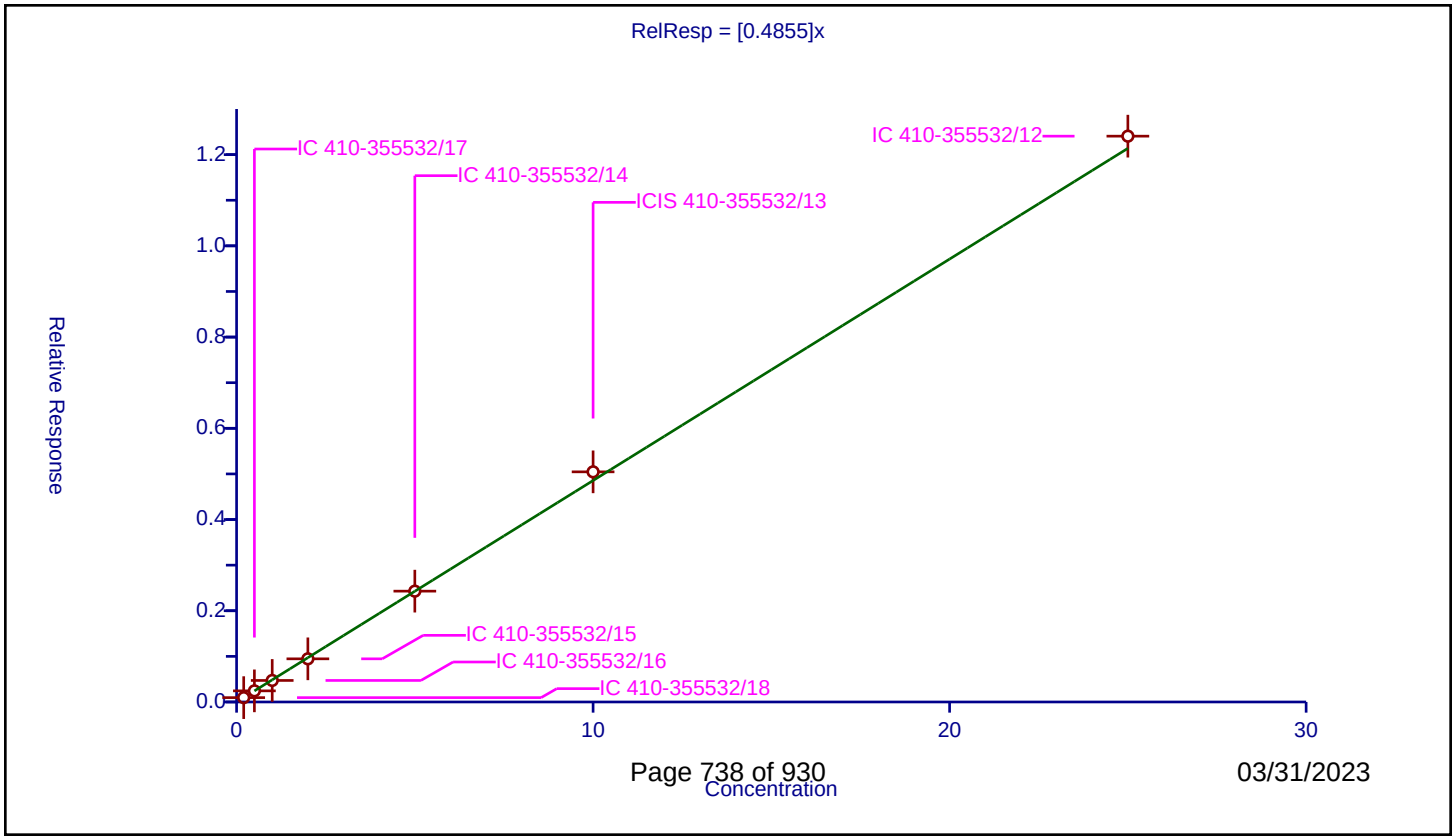
Curve Coefficients

Intercept:	0
Slope:	0.4855

Error Coefficients

Standard Error:	1340000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.095619	10.0	2286473.0	0.478094	Y
2	IC 410-355532/17	0.5	0.244154	10.0	2310552.0	0.488308	Y
3	IC 410-355532/16	1.0	0.472309	10.0	2343275.0	0.472309	Y
4	IC 410-355532/15	2.0	0.946269	10.0	2349279.0	0.473135	Y
5	IC 410-355532/14	5.0	2.430234	10.0	2387313.0	0.486047	Y
6	ICIS 410-355532/13	10.0	5.045372	10.0	2381761.0	0.504537	Y
7	IC 410-355532/12	25.0	12.405007	10.0	2408929.0	0.4962	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

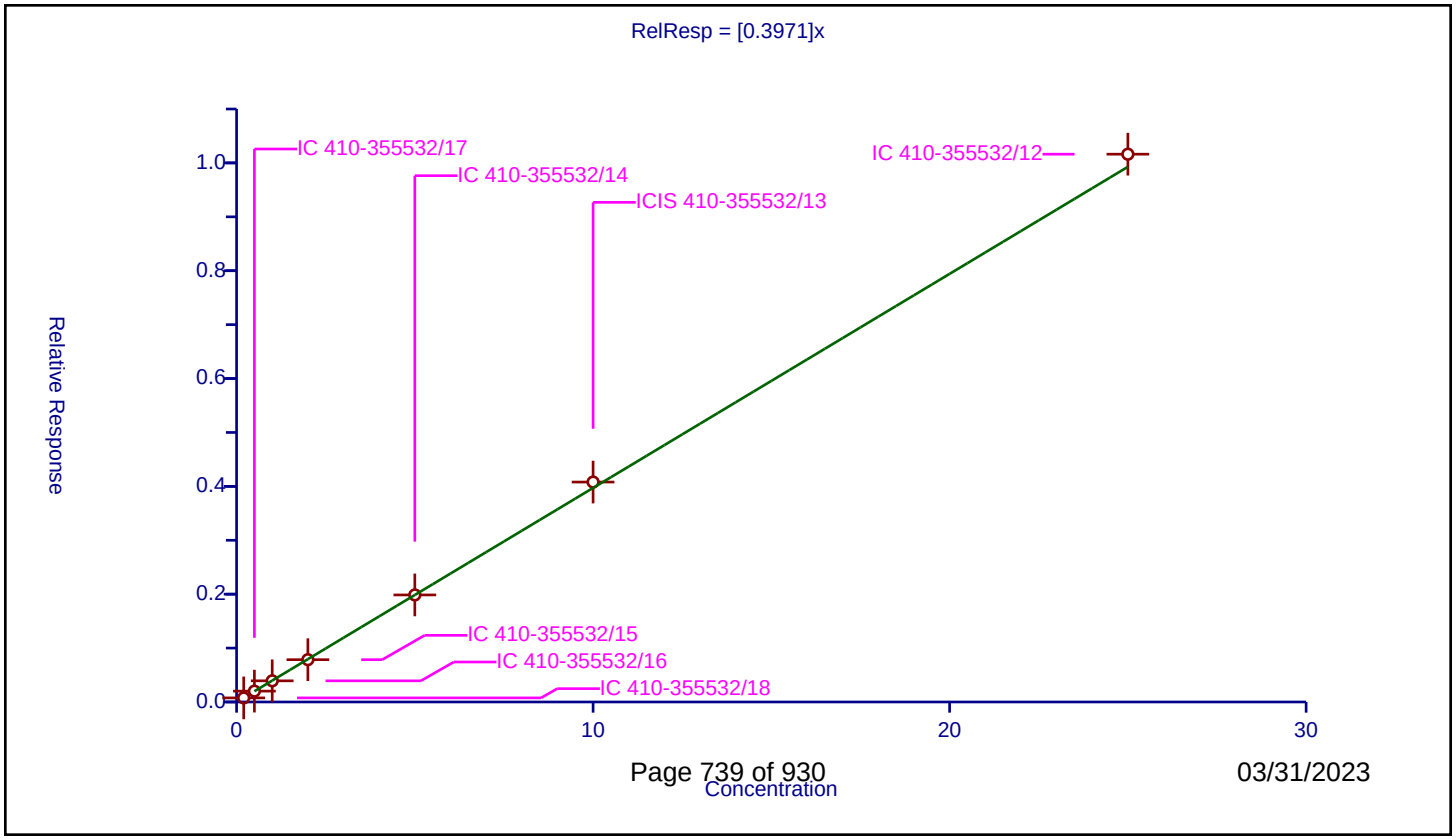
Curve Coefficients

Intercept:	0
Slope:	0.3971

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.075964	10.0	2286473.0	0.379821	Y
2	IC 410-355532/17	0.5	0.201662	10.0	2310552.0	0.403324	Y
3	IC 410-355532/16	1.0	0.39231	10.0	2343275.0	0.39231	Y
4	IC 410-355532/15	2.0	0.785011	10.0	2349279.0	0.392506	Y
5	IC 410-355532/14	5.0	1.986019	10.0	2387313.0	0.397204	Y
6	ICIS 410-355532/13	10.0	4.079973	10.0	2381761.0	0.407997	Y
7	IC 410-355532/12	25.0	10.162192	10.0	2408929.0	0.406488	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

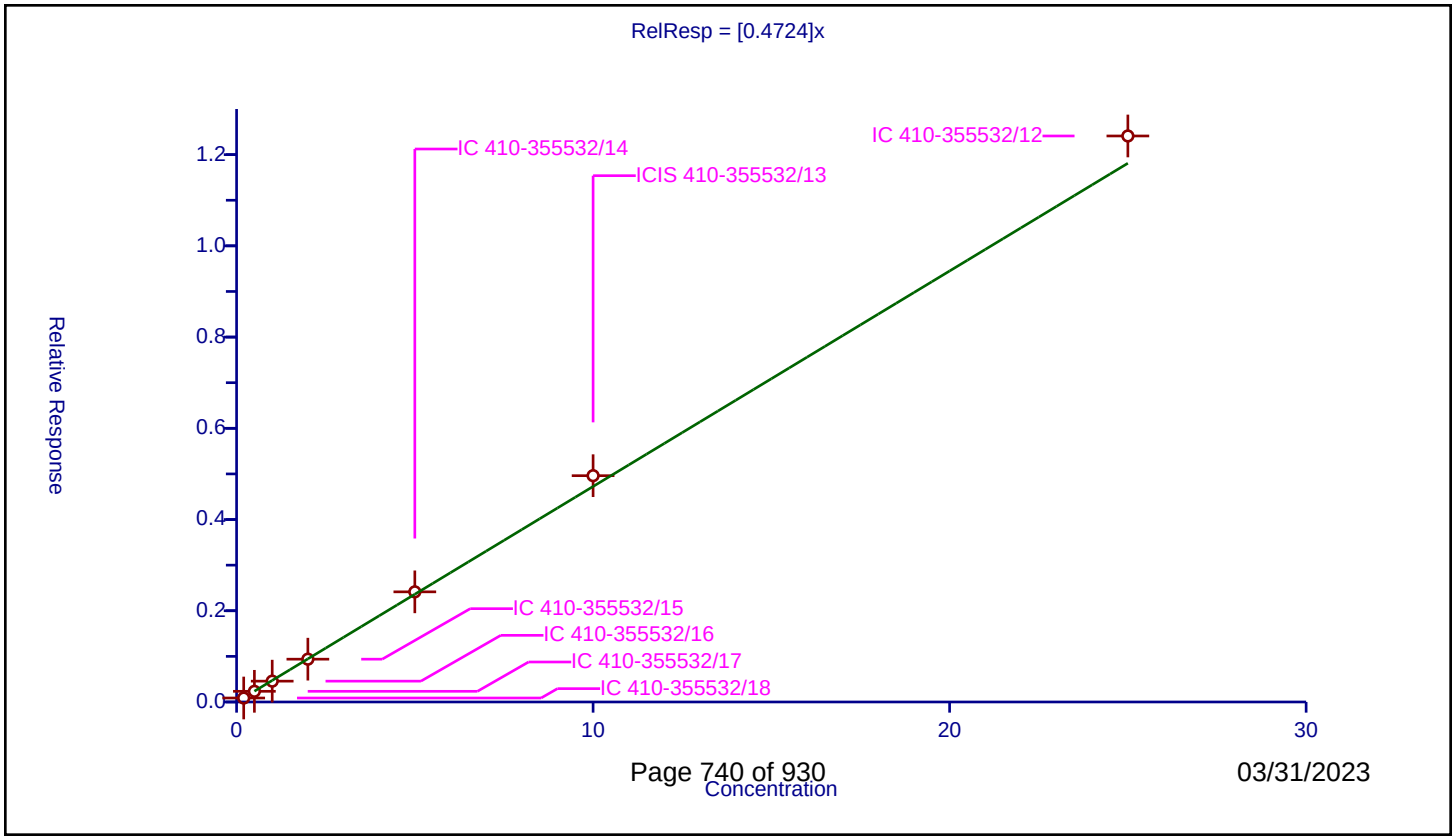
Curve Coefficients

Intercept:	0
Slope:	0.4724

Error Coefficients

Standard Error:	1340000
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 410-355532/18	0.2	0.08734	10.0	2286473.0	0.436699	Y
2	IC 410-355532/17	0.5	0.23436	10.0	2310552.0	0.468719	Y
3	IC 410-355532/16	1.0	0.456903	10.0	2343275.0	0.456903	Y
4	IC 410-355532/15	2.0	0.938726	10.0	2349279.0	0.469363	Y
5	IC 410-355532/14	5.0	2.414685	10.0	2387313.0	0.482937	Y
6	ICIS 410-355532/13	10.0	4.9614	10.0	2381761.0	0.49614	Y
7	IC 410-355532/12	25.0	12.408988	10.0	2408929.0	0.49636	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

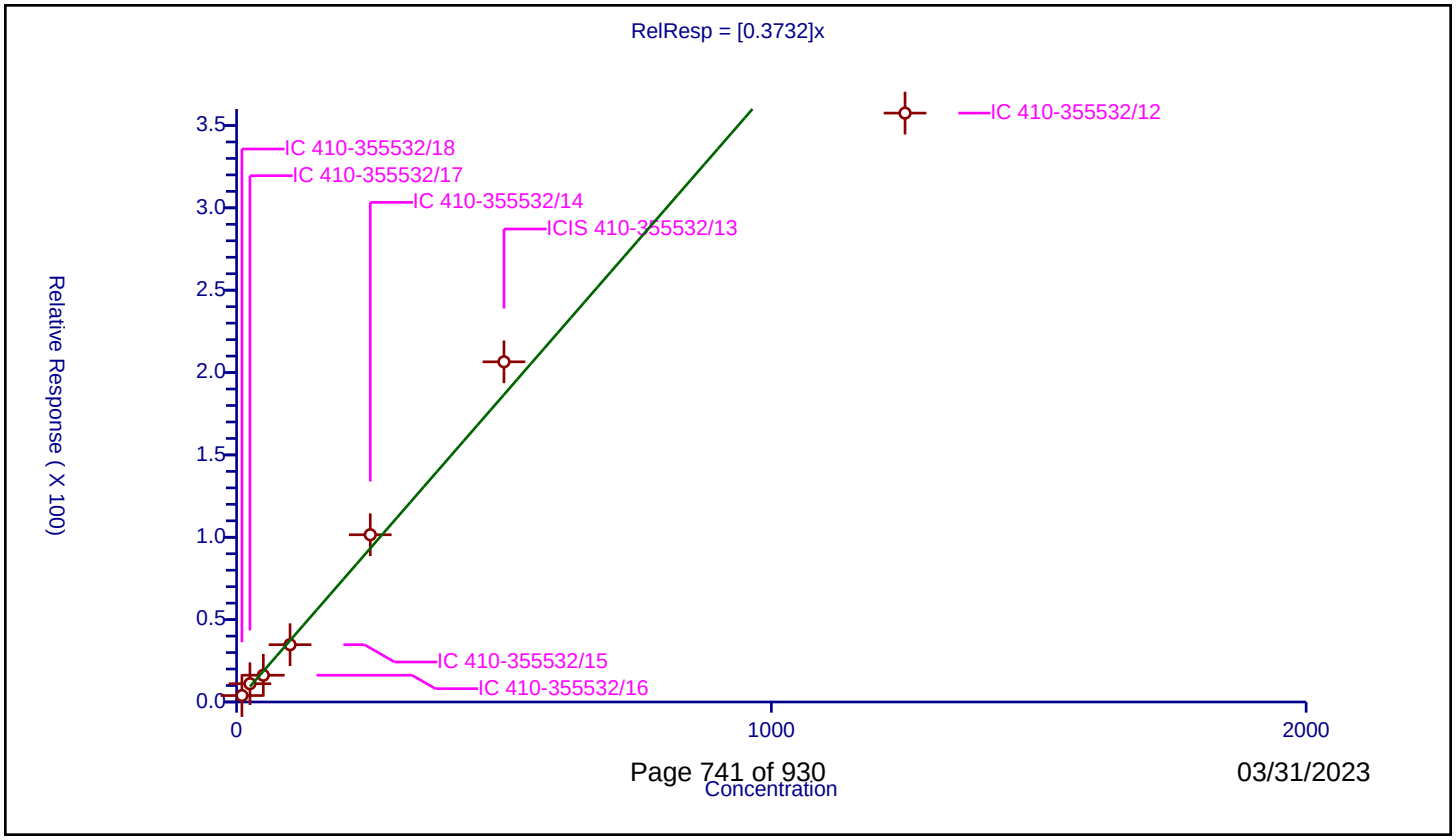
Curve Coefficients

Intercept:	0
Slope:	0.3732

Error Coefficients

Standard Error:	472000
Relative Standard Error:	14.9
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	10.0	3.90486	50.0	126445.0	0.390486	Y
2	IC 410-355532/17	25.0	11.091783	50.0	153492.0	0.443671	Y
3	IC 410-355532/16	50.0	16.240075	50.0	134008.0	0.324802	Y
4	IC 410-355532/15	100.0	34.79354	50.0	97646.0	0.347935	Y
5	IC 410-355532/14	250.0	101.539279	50.0	125221.0	0.406157	Y
6	ICIS 410-355532/13	500.0	206.529647	50.0	120956.0	0.413059	Y
7	IC 410-355532/12	1250.0	357.522657	50.0	141127.0	0.286018	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

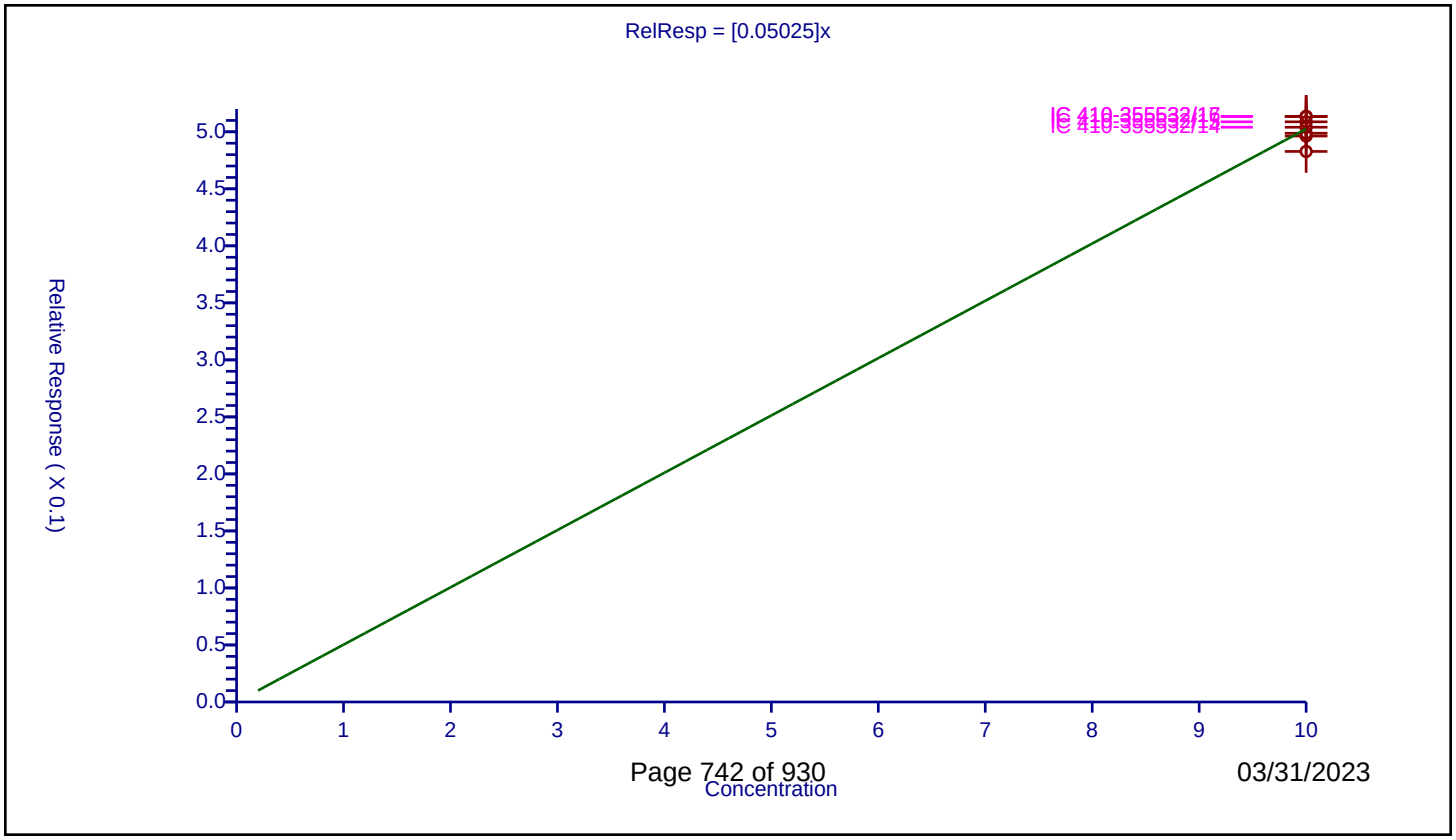
Curve Coefficients

Intercept:	0
Slope:	0.05025

Error Coefficients

Standard Error:	128000
Relative Standard Error:	2.2
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/12	10.0	0.482795	10.0	2408929.0	0.04828	Y
2	ICIS 410-355532/13	10.0	0.496297	10.0	2381761.0	0.04963	Y
3	IC 410-355532/14	10.0	0.504027	10.0	2387313.0	0.050403	Y
4	IC 410-355532/15	10.0	0.508769	10.0	2349279.0	0.050877	Y
5	IC 410-355532/16	10.0	0.51358	10.0	2343275.0	0.051358	Y
6	IC 410-355532/17	10.0	0.513384	10.0	2310552.0	0.051338	Y
7	IC 410-355532/18	10.0	0.498733	10.0	2286473.0	0.049873	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

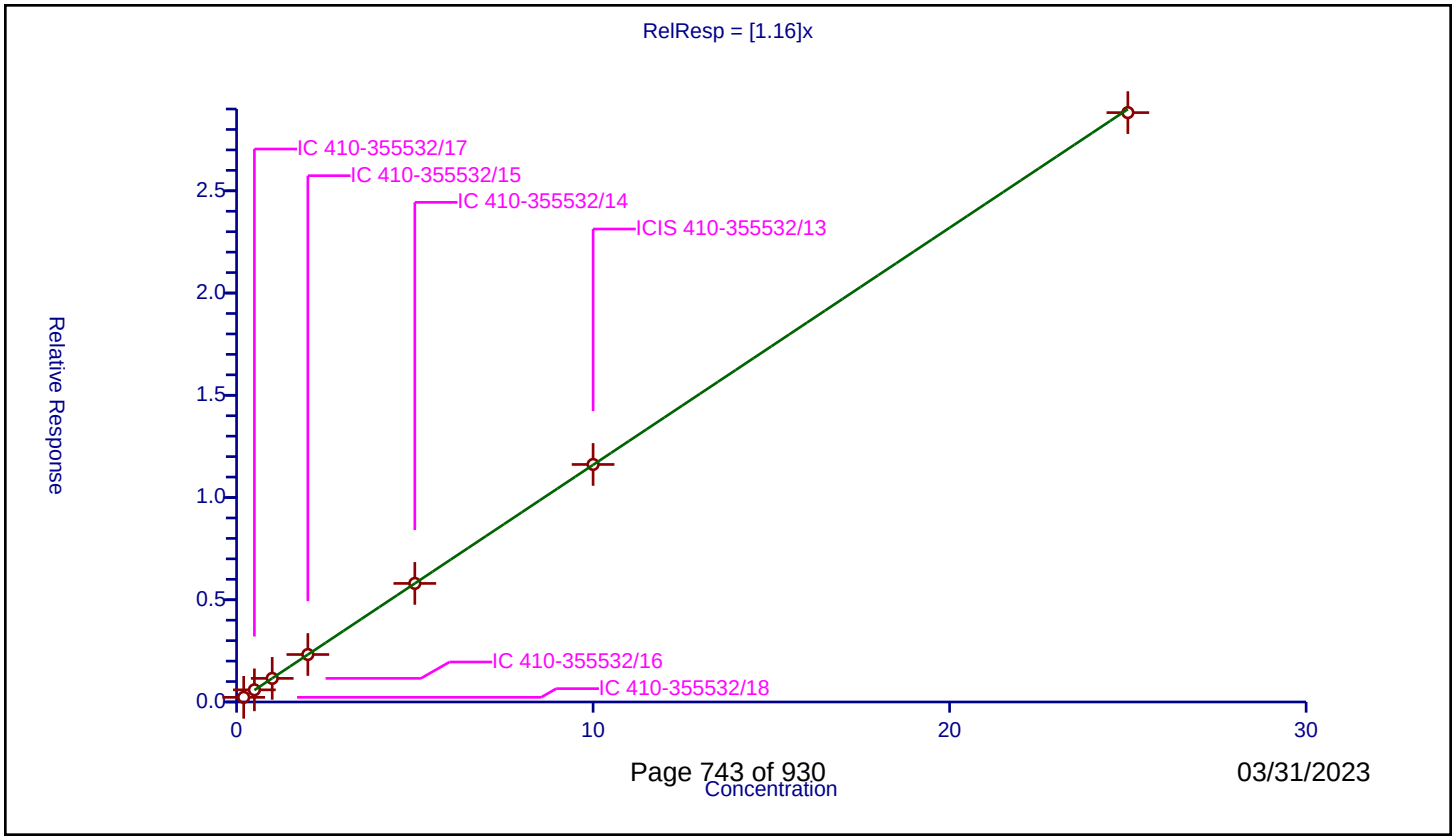
Curve Coefficients

Intercept:	0
Slope:	1.16

Error Coefficients

Standard Error:	3110000
Relative Standard Error:	1.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.227827	10.0	2286473.0	1.139134	Y
2	IC 410-355532/17	0.5	0.594269	10.0	2310552.0	1.188538	Y
3	IC 410-355532/16	1.0	1.154201	10.0	2343275.0	1.154201	Y
4	IC 410-355532/15	2.0	2.322185	10.0	2349279.0	1.161092	Y
5	IC 410-355532/14	5.0	5.799562	10.0	2387313.0	1.159912	Y
6	ICIS 410-355532/13	10.0	11.616321	10.0	2381761.0	1.161632	Y
7	IC 410-355532/12	25.0	28.824527	10.0	2408929.0	1.152981	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

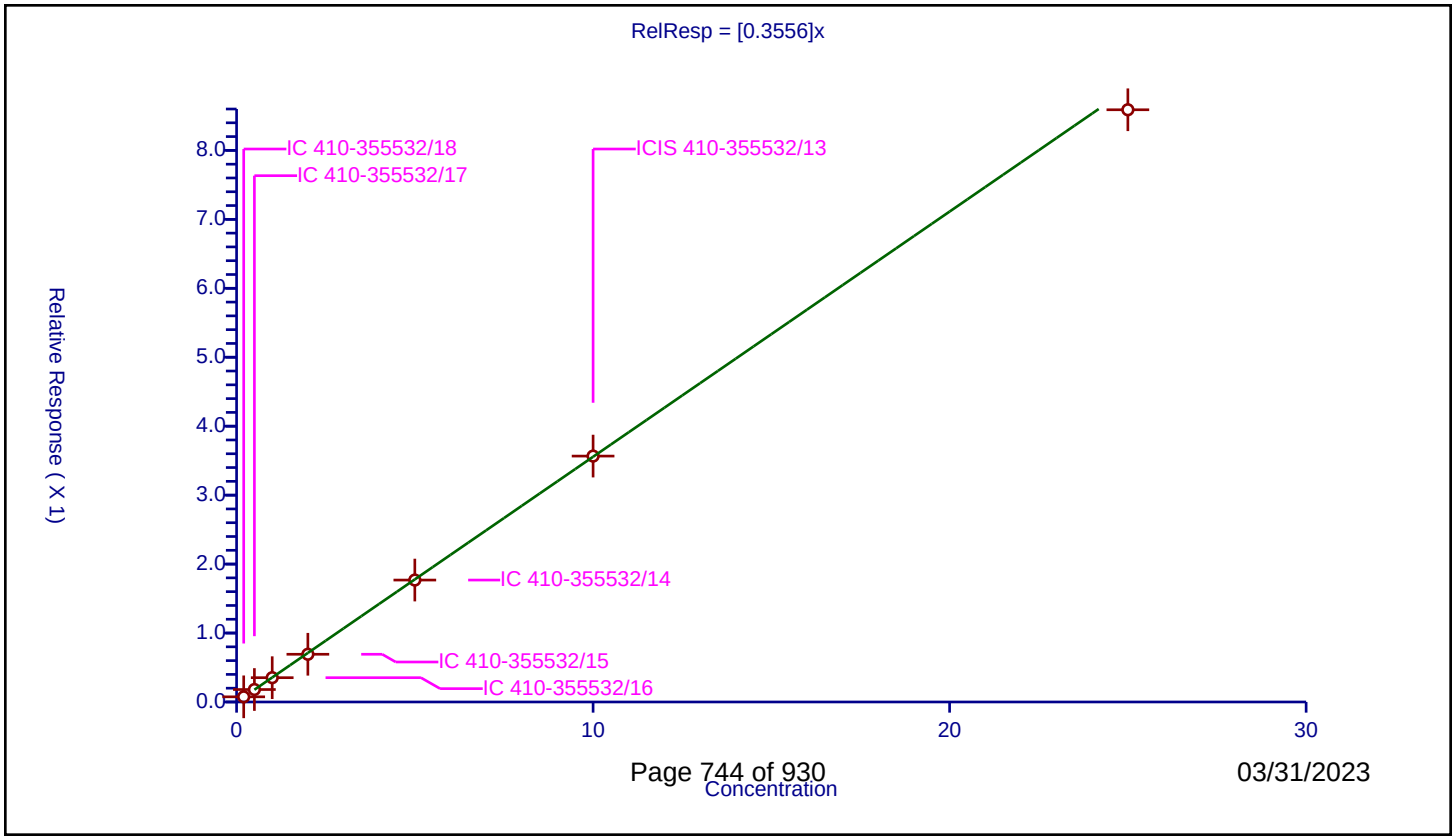
Curve Coefficients

Intercept:	0
Slope:	0.3556

Error Coefficients

Standard Error:	932000
Relative Standard Error:	3.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.074993	10.0	2286473.0	0.374966	Y
2	IC 410-355532/17	0.5	0.180939	10.0	2310552.0	0.361879	Y
3	IC 410-355532/16	1.0	0.352703	10.0	2343275.0	0.352703	Y
4	IC 410-355532/15	2.0	0.692034	10.0	2349279.0	0.346017	Y
5	IC 410-355532/14	5.0	1.768398	10.0	2387313.0	0.35368	Y
6	ICIS 410-355532/13	10.0	3.566349	10.0	2381761.0	0.356635	Y
7	IC 410-355532/12	25.0	8.589199	10.0	2408929.0	0.343568	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

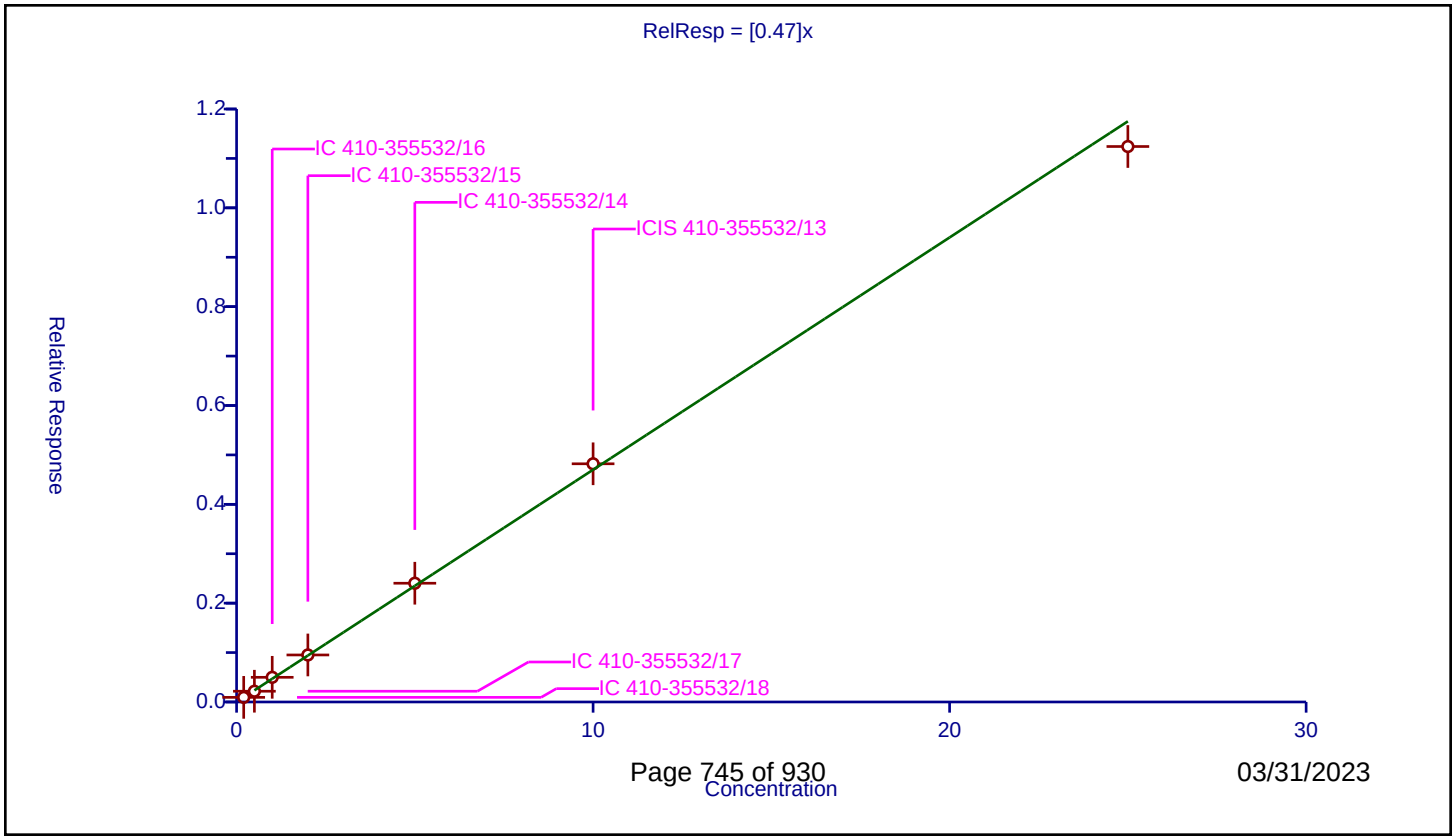
Curve Coefficients

Intercept:	0
Slope:	0.47

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	4.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.093511	10.0	2286473.0	0.467554	Y
2	IC 410-355532/17	0.5	0.217667	10.0	2310552.0	0.435333	Y
3	IC 410-355532/16	1.0	0.49919	10.0	2343275.0	0.49919	Y
4	IC 410-355532/15	2.0	0.951539	10.0	2349279.0	0.475769	Y
5	IC 410-355532/14	5.0	2.403359	10.0	2387313.0	0.480672	Y
6	ICIS 410-355532/13	10.0	4.82024	10.0	2381761.0	0.482024	Y
7	IC 410-355532/12	25.0	11.241103	10.0	2408929.0	0.449644	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

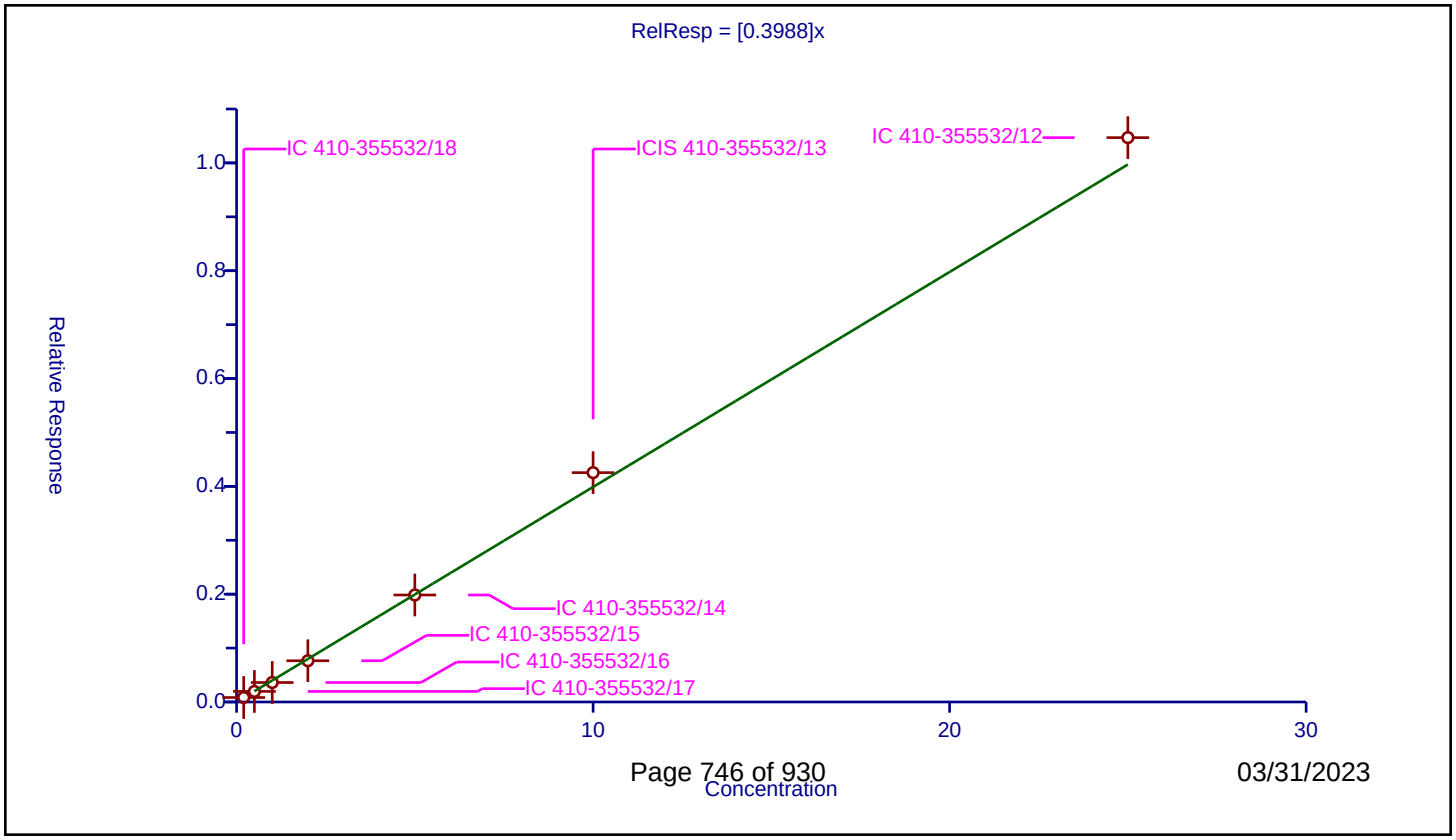
Curve Coefficients

Intercept:	0
Slope:	0.3988

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.082949	10.0	2286473.0	0.414744	Y
2	IC 410-355532/17	0.5	0.196144	10.0	2310552.0	0.392287	Y
3	IC 410-355532/16	1.0	0.361174	10.0	2343275.0	0.361174	Y
4	IC 410-355532/15	2.0	0.764801	10.0	2349279.0	0.3824	Y
5	IC 410-355532/14	5.0	1.984935	10.0	2387313.0	0.396987	Y
6	ICIS 410-355532/13	10.0	4.254281	10.0	2381761.0	0.425428	Y
7	IC 410-355532/12	25.0	10.469076	10.0	2408929.0	0.418763	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

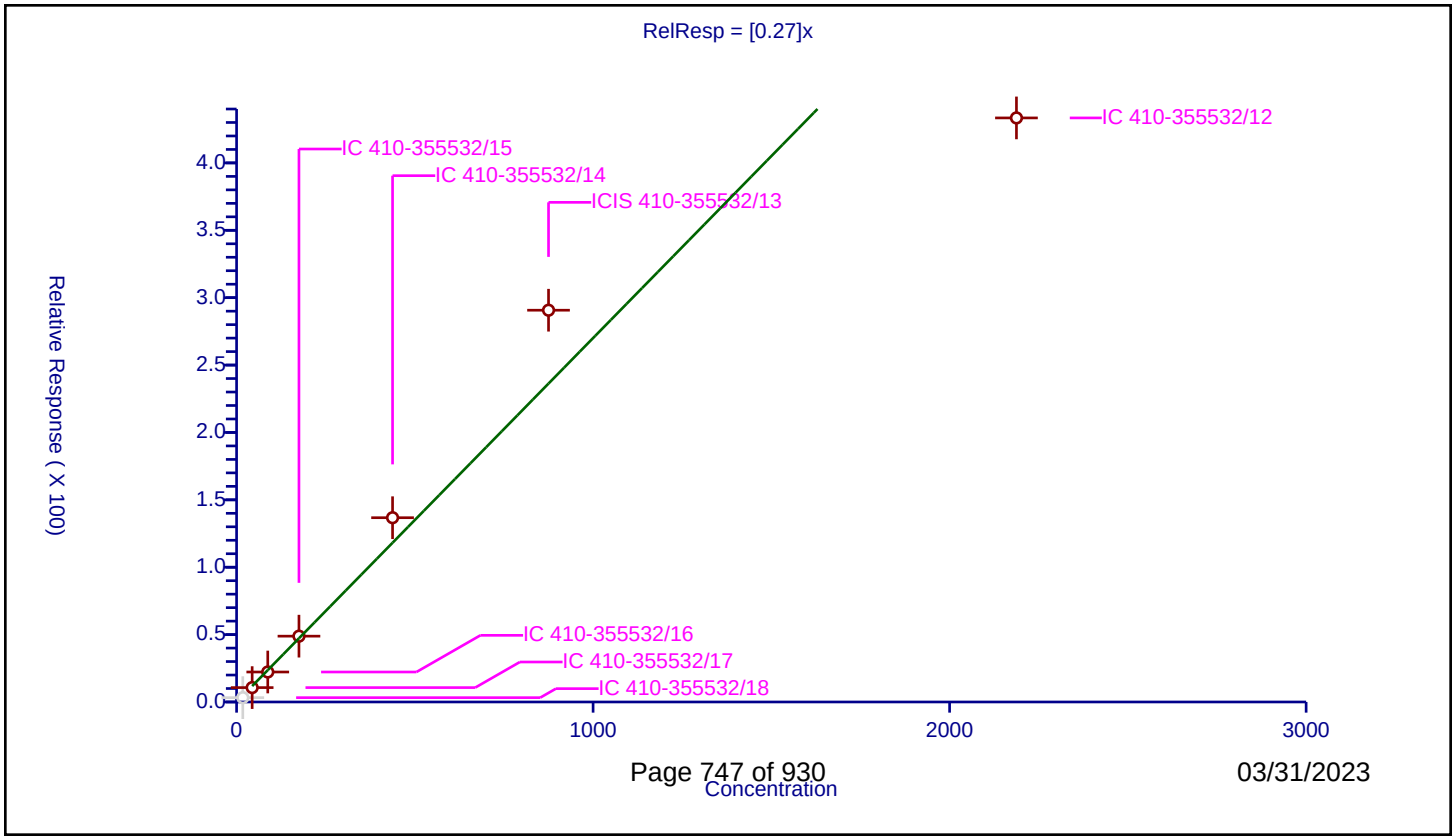
Curve Coefficients

Intercept:	0
Slope:	0.27

Error Coefficients

Standard Error:	651000
Relative Standard Error:	18.0
Correlation Coefficient:	0.966
Coefficient of Determination (Adjusted):	0.955

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	17.5	3.210487	50.0	126445.0	0.183456	N
2	IC 410-355532/17	43.75	10.66896	50.0	153492.0	0.243862	Y
3	IC 410-355532/16	87.5	22.257626	50.0	134008.0	0.254373	Y
4	IC 410-355532/15	175.0	48.839174	50.0	97646.0	0.279081	Y
5	IC 410-355532/14	437.5	136.738247	50.0	125221.0	0.312545	Y
6	ICIS 410-355532/13	875.0	290.708191	50.0	120956.0	0.332238	Y
7	IC 410-355532/12	2187.5	433.387658	50.0	141127.0	0.19812	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

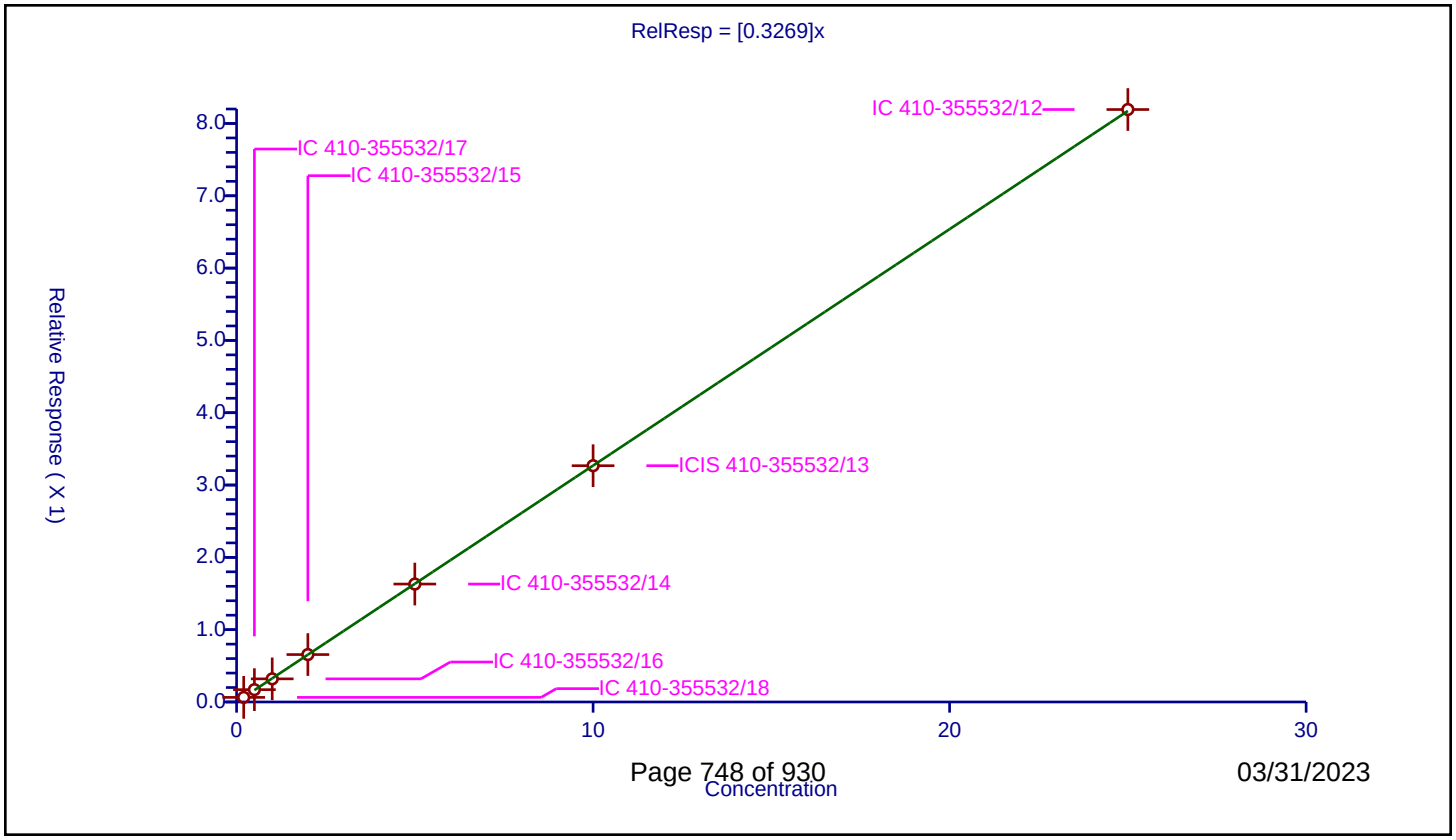
Curve Coefficients

Intercept:	0
Slope:	0.3269

Error Coefficients

Standard Error:	884000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.063793	10.0	2286473.0	0.318963	Y
2	IC 410-355532/17	0.5	0.170626	10.0	2310552.0	0.341252	Y
3	IC 410-355532/16	1.0	0.319805	10.0	2343275.0	0.319805	Y
4	IC 410-355532/15	2.0	0.655767	10.0	2349279.0	0.327884	Y
5	IC 410-355532/14	5.0	1.630708	10.0	2387313.0	0.326142	Y
6	ICIS 410-355532/13	10.0	3.267356	10.0	2381761.0	0.326736	Y
7	IC 410-355532/12	25.0	8.193089	10.0	2408929.0	0.327724	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

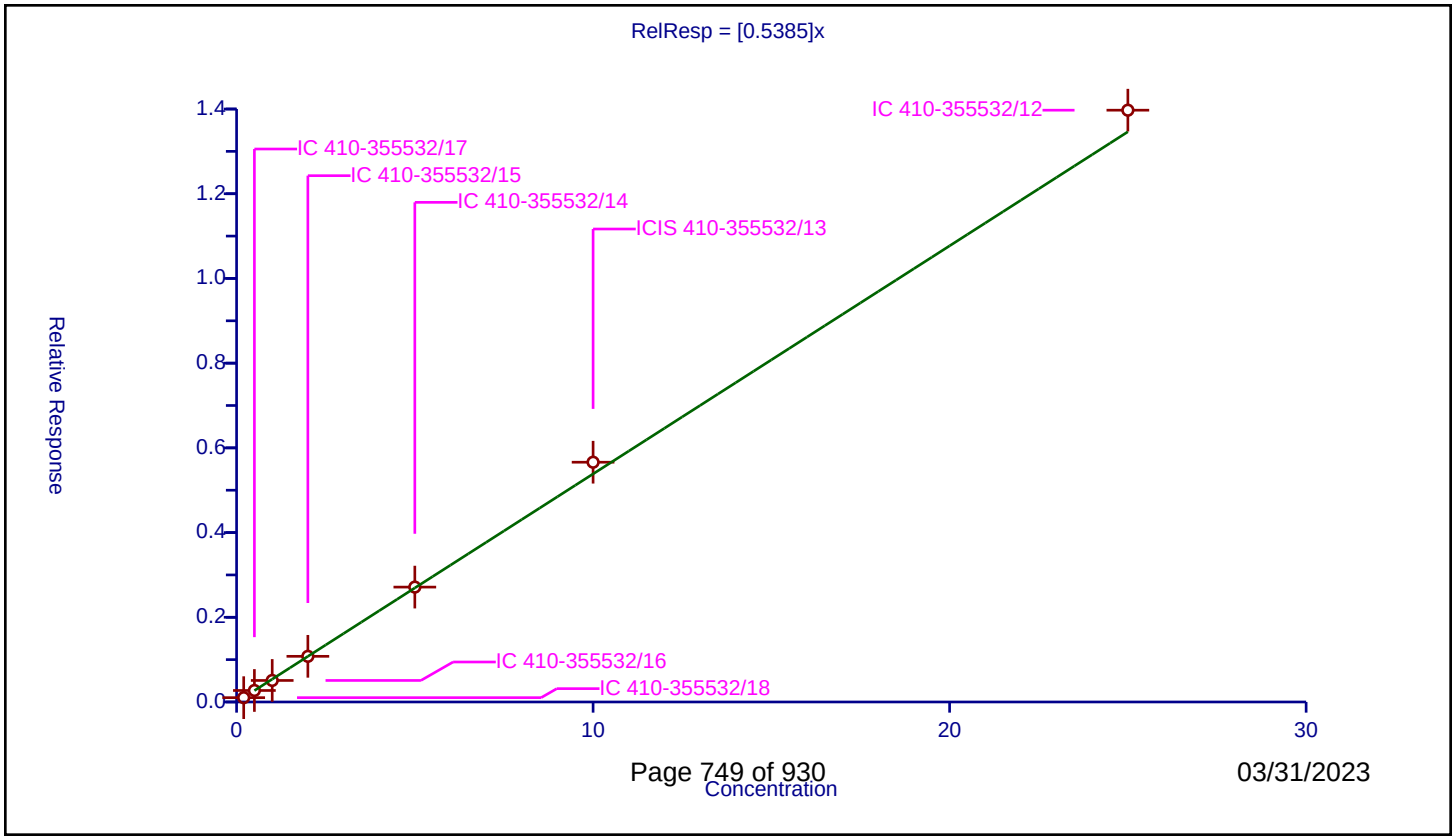
Curve Coefficients

Intercept:	0
Slope:	0.5385

Error Coefficients

Standard Error:	1510000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.102297	10.0	2286473.0	0.511486	Y
2	IC 410-355532/17	0.5	0.271437	10.0	2310552.0	0.542875	Y
3	IC 410-355532/16	1.0	0.508515	10.0	2343275.0	0.508515	Y
4	IC 410-355532/15	2.0	1.078033	10.0	2349279.0	0.539016	Y
5	IC 410-355532/14	5.0	2.712552	10.0	2387313.0	0.54251	Y
6	ICIS 410-355532/13	10.0	5.660702	10.0	2381761.0	0.56607	Y
7	IC 410-355532/12	25.0	13.972222	10.0	2408929.0	0.558889	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

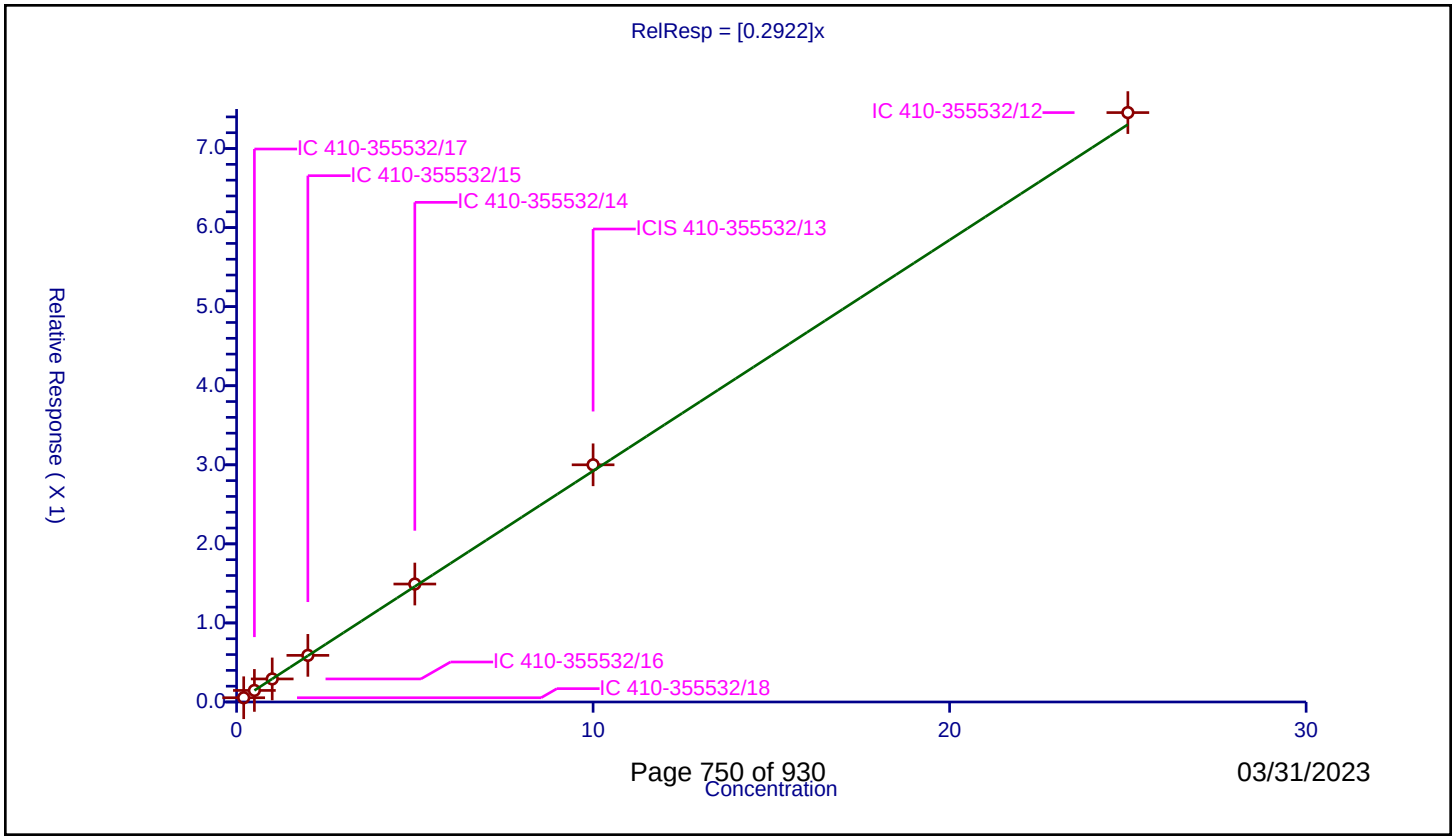
Curve Coefficients

Intercept:	0
Slope:	0.2922

Error Coefficients

Standard Error:	805000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.05393	10.0	2286473.0	0.269651	Y
2	IC 410-355532/17	0.5	0.146342	10.0	2310552.0	0.292683	Y
3	IC 410-355532/16	1.0	0.291472	10.0	2343275.0	0.291472	Y
4	IC 410-355532/15	2.0	0.589636	10.0	2349279.0	0.294818	Y
5	IC 410-355532/14	5.0	1.491924	10.0	2387313.0	0.298385	Y
6	ICIS 410-355532/13	10.0	3.0001	10.0	2381761.0	0.30001	Y
7	IC 410-355532/12	25.0	7.454649	10.0	2408929.0	0.298186	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

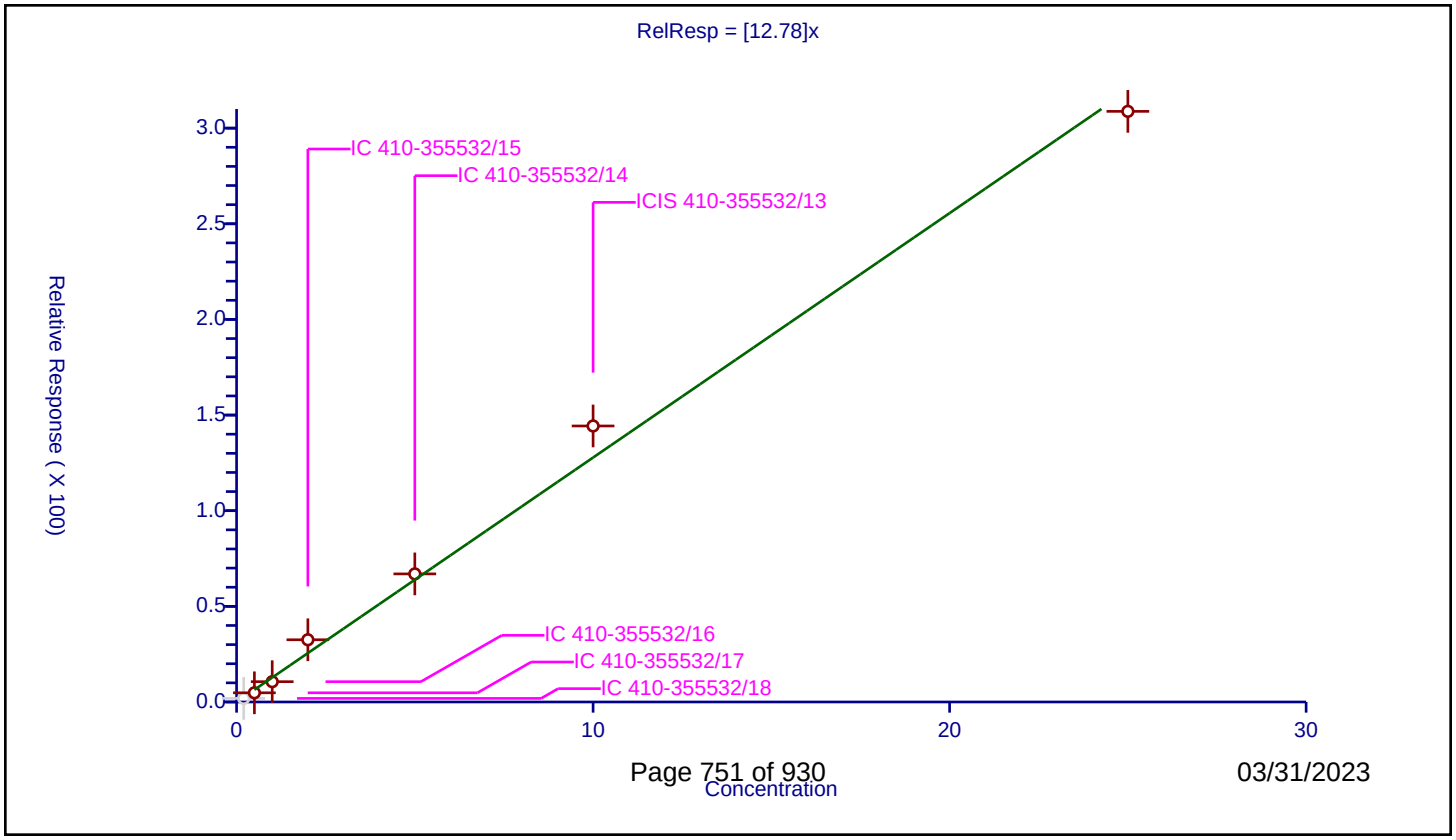
Curve Coefficients

Intercept:	0
Slope:	12.78

Error Coefficients

Standard Error:	428000
Relative Standard Error:	19.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.955

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	1.869983	50.0	126445.0	9.349915	N
2	IC 410-355532/17	0.5	4.809371	50.0	153492.0	9.618742	Y
3	IC 410-355532/16	1.0	10.612053	50.0	134008.0	10.612053	Y
4	IC 410-355532/15	2.0	32.530774	50.0	97646.0	16.265387	Y
5	IC 410-355532/14	5.0	66.971195	50.0	125221.0	13.394239	Y
6	ICIS 410-355532/13	10.0	144.295446	50.0	120956.0	14.429545	Y
7	IC 410-355532/12	25.0	308.767989	50.0	141127.0	12.35072	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

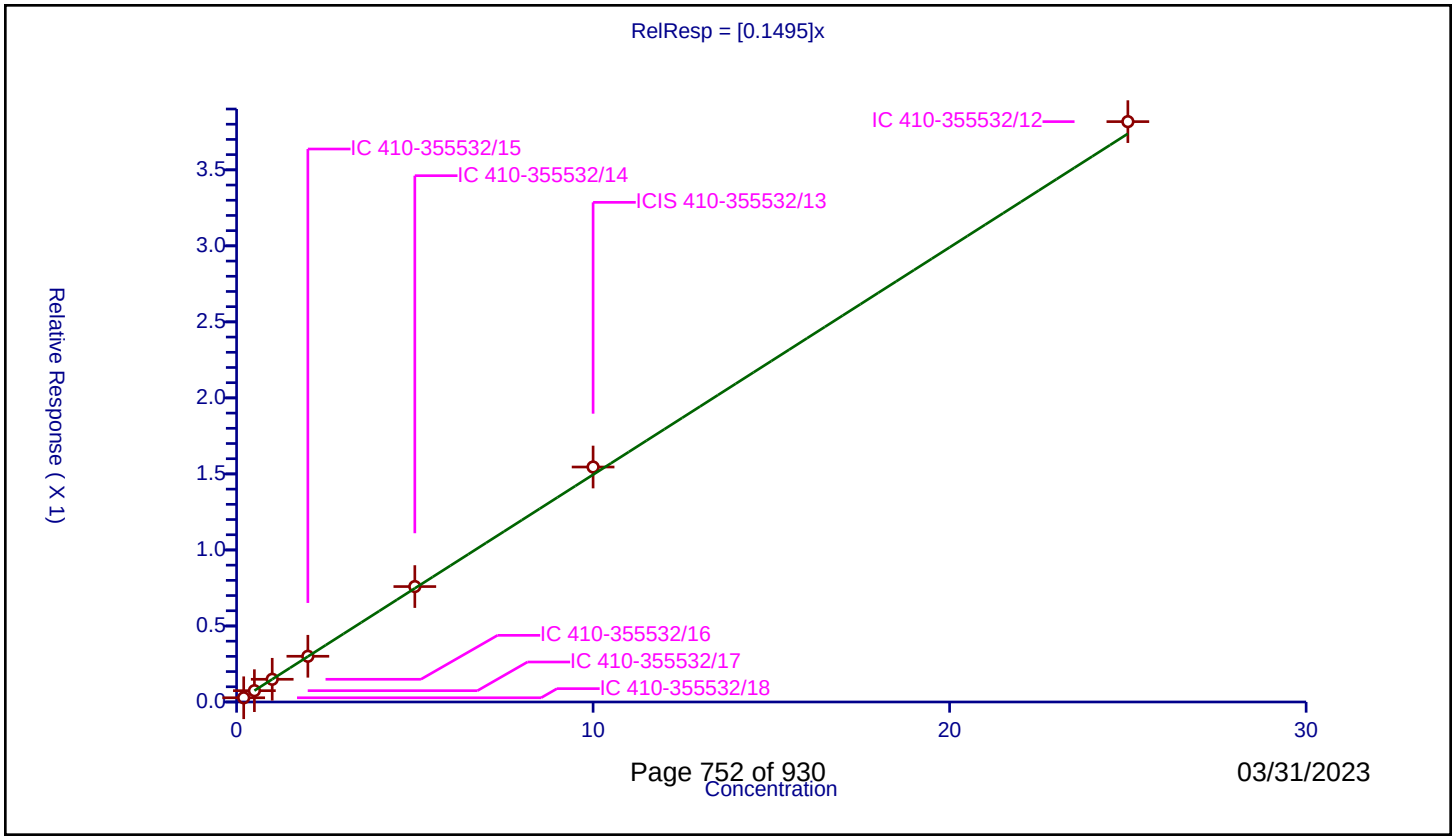
Curve Coefficients

Intercept:	0
Slope:	0.1495

Error Coefficients

Standard Error:	412000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.027794	10.0	2286473.0	0.138969	Y
2	IC 410-355532/17	0.5	0.074363	10.0	2310552.0	0.148726	Y
3	IC 410-355532/16	1.0	0.149428	10.0	2343275.0	0.149428	Y
4	IC 410-355532/15	2.0	0.300748	10.0	2349279.0	0.150374	Y
5	IC 410-355532/14	5.0	0.759184	10.0	2387313.0	0.151837	Y
6	ICIS 410-355532/13	10.0	1.545441	10.0	2381761.0	0.154544	Y
7	IC 410-355532/12	25.0	3.81697	10.0	2408929.0	0.152679	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

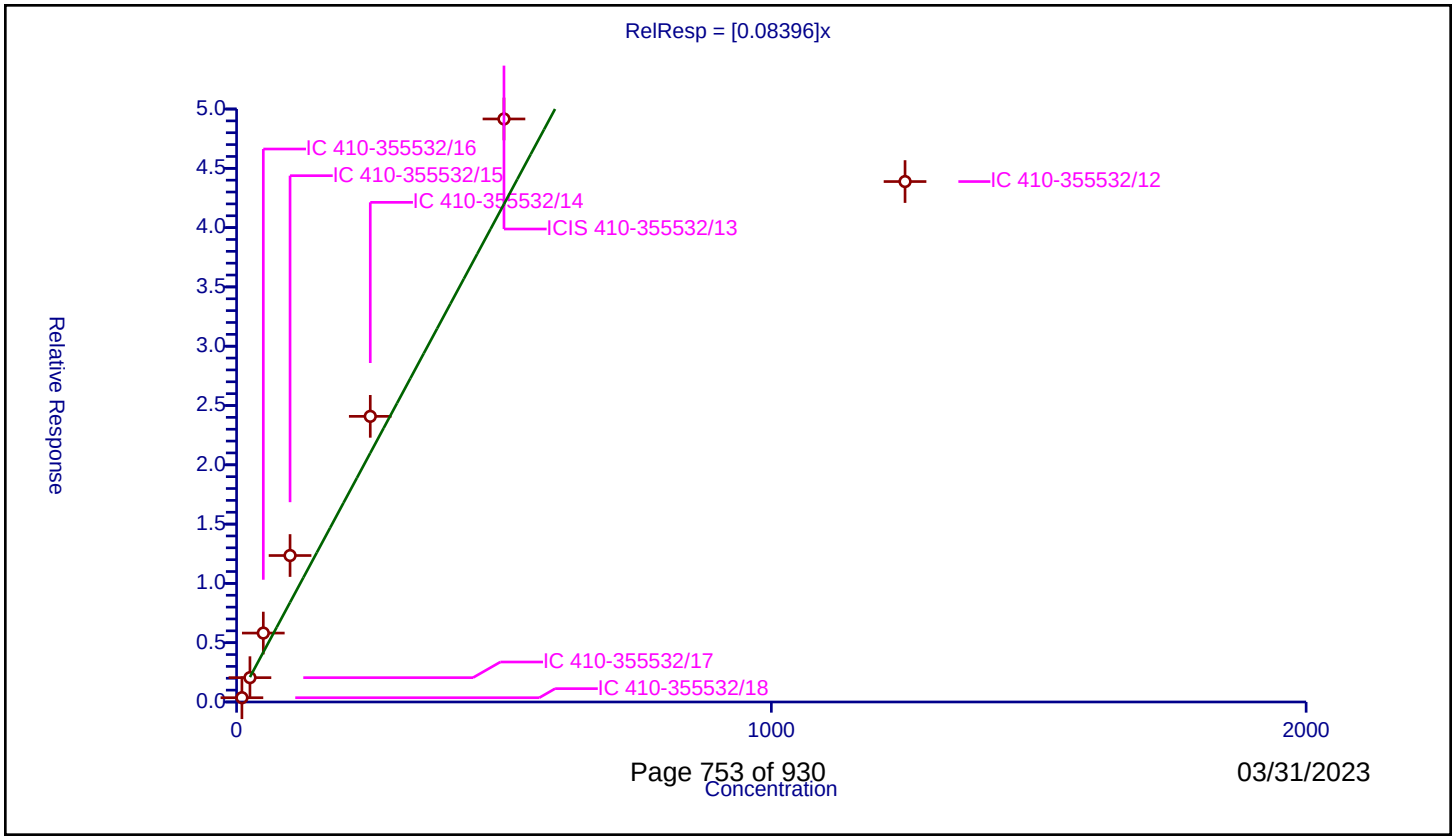
Curve Coefficients

Intercept:	0
Slope:	0.08396

Error Coefficients

Standard Error:	75200
Relative Standard Error:	42.5
Correlation Coefficient:	0.767
Coefficient of Determination (Adjusted):	0.837

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	10.0	0.361817	50.0	126445.0	0.036182	Y
2	IC 410-355532/17	25.0	2.050921	50.0	153492.0	0.082037	Y
3	IC 410-355532/16	50.0	5.811593	50.0	134008.0	0.116232	Y
4	IC 410-355532/15	100.0	12.351248	50.0	97646.0	0.123512	Y
5	IC 410-355532/14	250.0	24.085018	50.0	125221.0	0.09634	Y
6	ICIS 410-355532/13	500.0	49.161265	50.0	120956.0	0.098323	Y
7	IC 410-355532/12	1250.0	43.884586	50.0	141127.0	0.035108	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

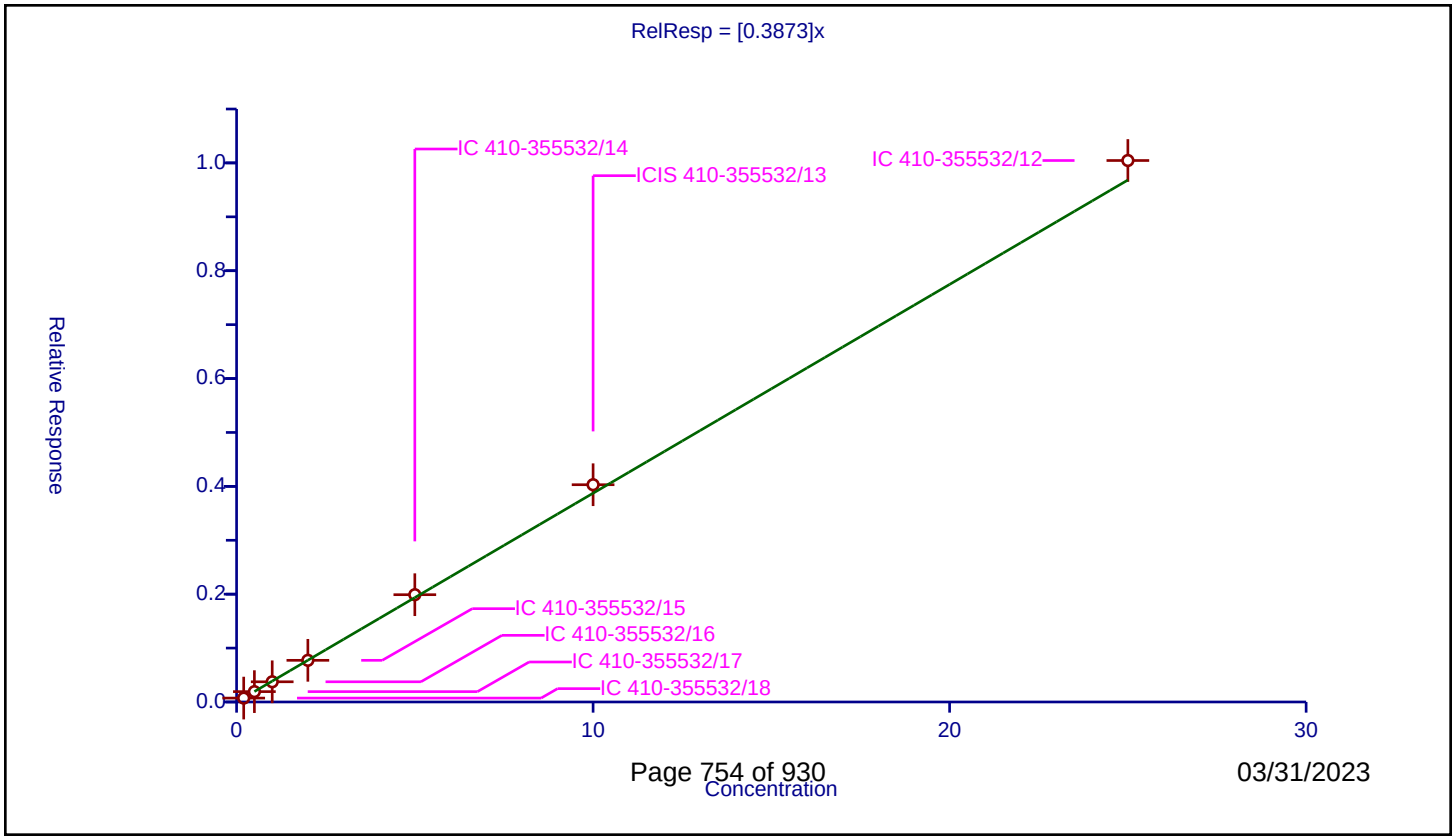
Curve Coefficients

Intercept:	0
Slope:	0.3873

Error Coefficients

Standard Error:	1080000
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 410-355532/18	0.2	0.072522	10.0	2286473.0	0.362611	Y
2	IC 410-355532/17	0.5	0.192175	10.0	2310552.0	0.38435	Y
3	IC 410-355532/16	1.0	0.374822	10.0	2343275.0	0.374822	Y
4	IC 410-355532/15	2.0	0.772884	10.0	2349279.0	0.386442	Y
5	IC 410-355532/14	5.0	1.990455	10.0	2387313.0	0.398091	Y
6	ICIS 410-355532/13	10.0	4.03064	10.0	2381761.0	0.403064	Y
7	IC 410-355532/12	25.0	10.044721	10.0	2408929.0	0.401789	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

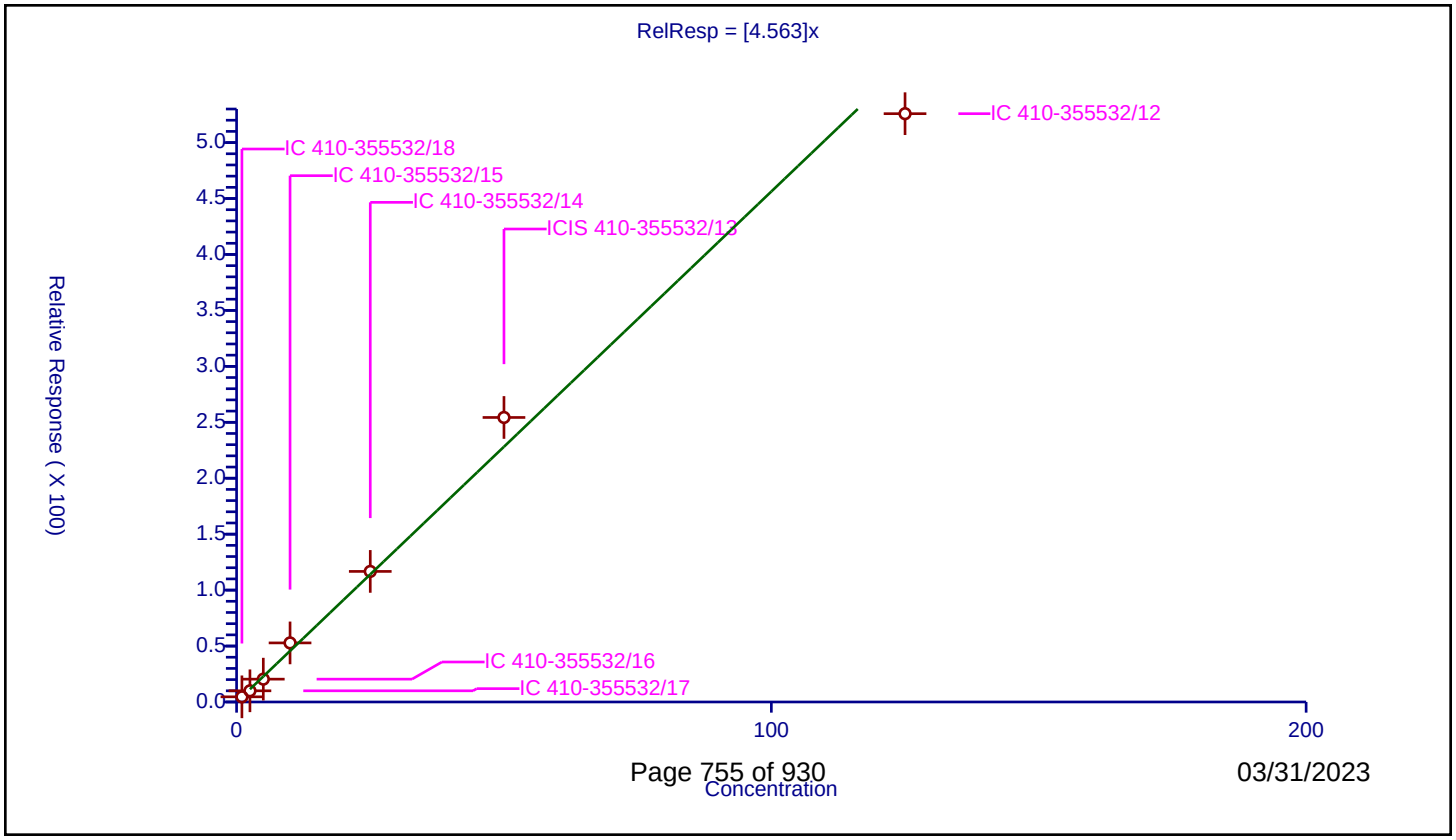
Curve Coefficients

Intercept:	0
Slope:	4.563

Error Coefficients

Standard Error:	668000
Relative Standard Error:	10.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	1.0	4.617027	50.0	126445.0	4.617027	Y
2	IC 410-355532/17	2.5	9.993355	50.0	153492.0	3.997342	Y
3	IC 410-355532/16	5.0	20.416318	50.0	134008.0	4.083264	Y
4	IC 410-355532/15	10.0	52.811175	50.0	97646.0	5.281118	Y
5	IC 410-355532/14	25.0	116.700474	50.0	125221.0	4.668019	Y
6	ICIS 410-355532/13	50.0	254.306938	50.0	120956.0	5.086139	Y
7	IC 410-355532/12	125.0	525.8278	50.0	141127.0	4.206622	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

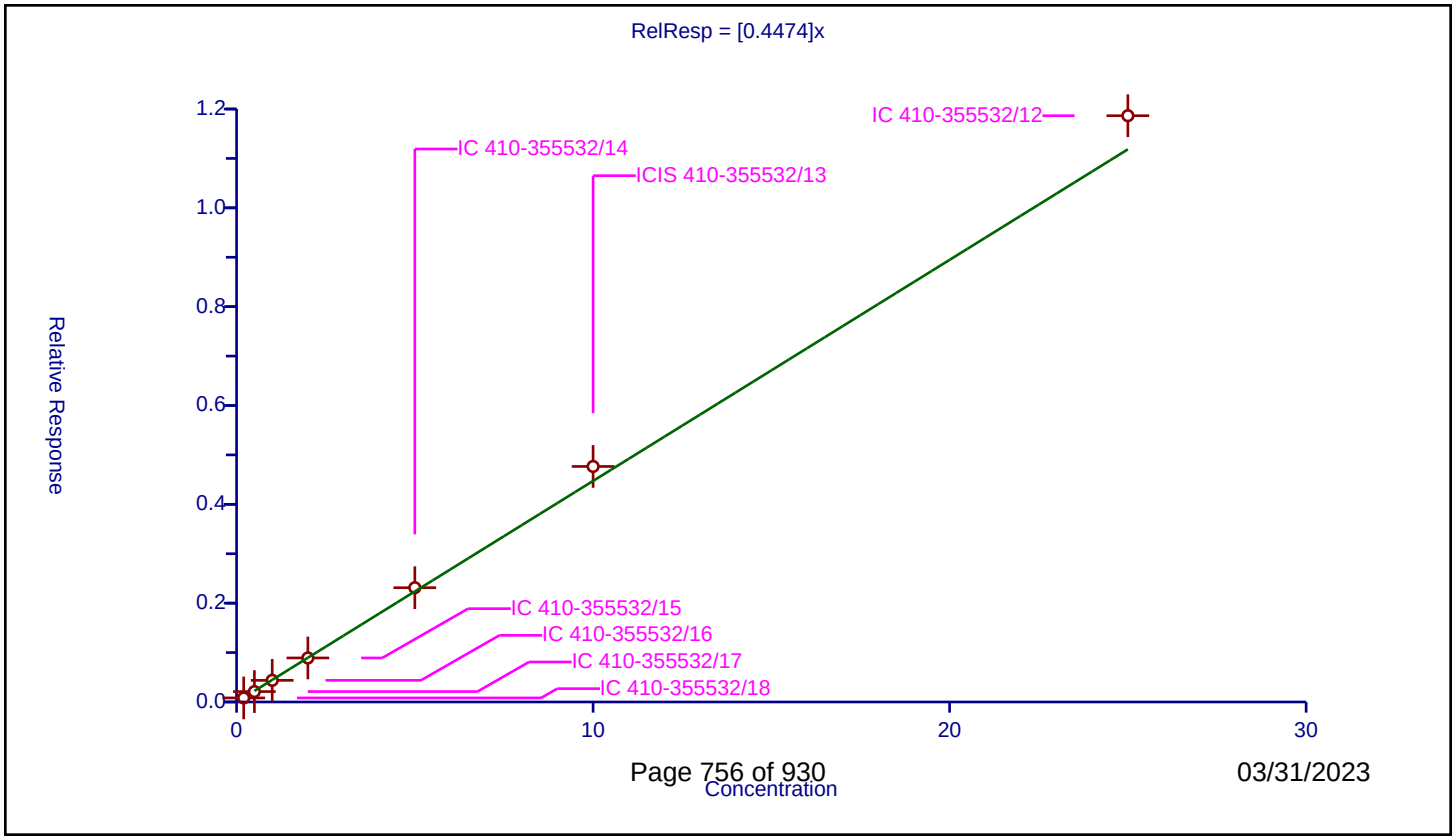
Curve Coefficients

Intercept:	0
Slope:	0.4474

Error Coefficients

Standard Error:	1280000
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 410-355532/18	0.2	0.082468	10.0	2286473.0	0.412338	Y
2	IC 410-355532/17	0.5	0.210859	10.0	2310552.0	0.421717	Y
3	IC 410-355532/16	1.0	0.438002	10.0	2343275.0	0.438002	Y
4	IC 410-355532/15	2.0	0.891384	10.0	2349279.0	0.445692	Y
5	IC 410-355532/14	5.0	2.31278	10.0	2387313.0	0.462556	Y
6	ICIS 410-355532/13	10.0	4.766402	10.0	2381761.0	0.47664	Y
7	IC 410-355532/12	25.0	11.864409	10.0	2408929.0	0.474576	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

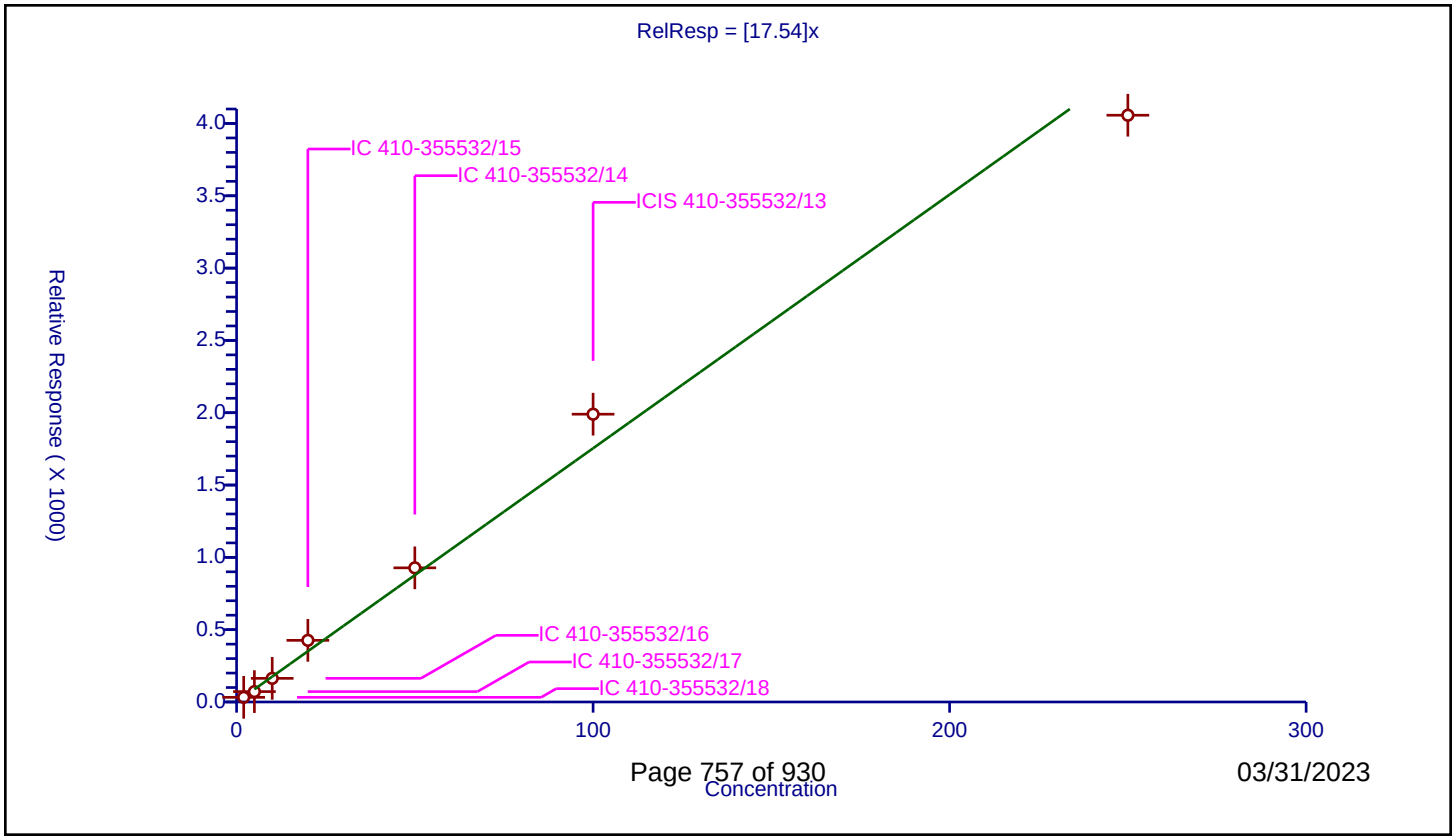
Curve Coefficients

Intercept:	0
Slope:	17.54

Error Coefficients

Standard Error:	5170000
Relative Standard Error:	14.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	2.0	32.187117	50.0	126445.0	16.093558	Y
2	IC 410-355532/17	5.0	71.851953	50.0	153492.0	14.370391	Y
3	IC 410-355532/16	10.0	163.426064	50.0	134008.0	16.342606	Y
4	IC 410-355532/15	20.0	426.192061	50.0	97646.0	21.309603	Y
5	IC 410-355532/14	50.0	927.439088	50.0	125221.0	18.548782	Y
6	ICIS 410-355532/13	100.0	1989.868217	50.0	120956.0	19.898682	Y
7	IC 410-355532/12	250.0	4057.115931	50.0	141127.0	16.228464	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

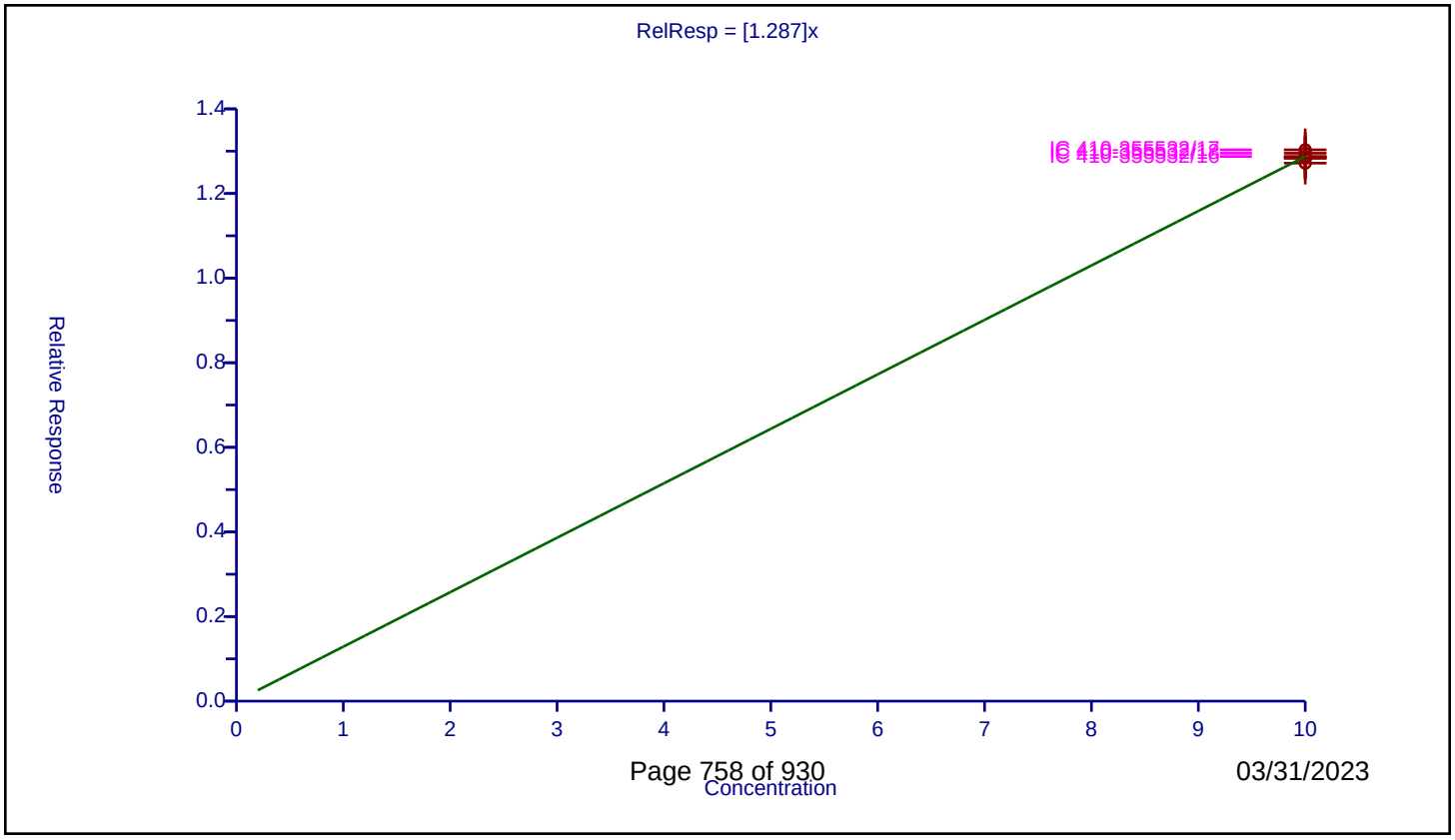
Curve Coefficients

Intercept:	0
Slope:	1.287

Error Coefficients

Standard Error:	2570000
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 410-355532/12	10.0	12.717465	10.0	1936058.0	1.271747	Y
2	ICIS 410-355532/13	10.0	12.832379	10.0	1886594.0	1.283238	Y
3	IC 410-355532/14	10.0	12.84399	10.0	1885942.0	1.284399	Y
4	IC 410-355532/15	10.0	12.862453	10.0	1844928.0	1.286245	Y
5	IC 410-355532/16	10.0	12.87498	10.0	1818962.0	1.287498	Y
6	IC 410-355532/17	10.0	13.032143	10.0	1779098.0	1.303214	Y
7	IC 410-355532/18	10.0	12.951626	10.0	1770499.0	1.295163	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

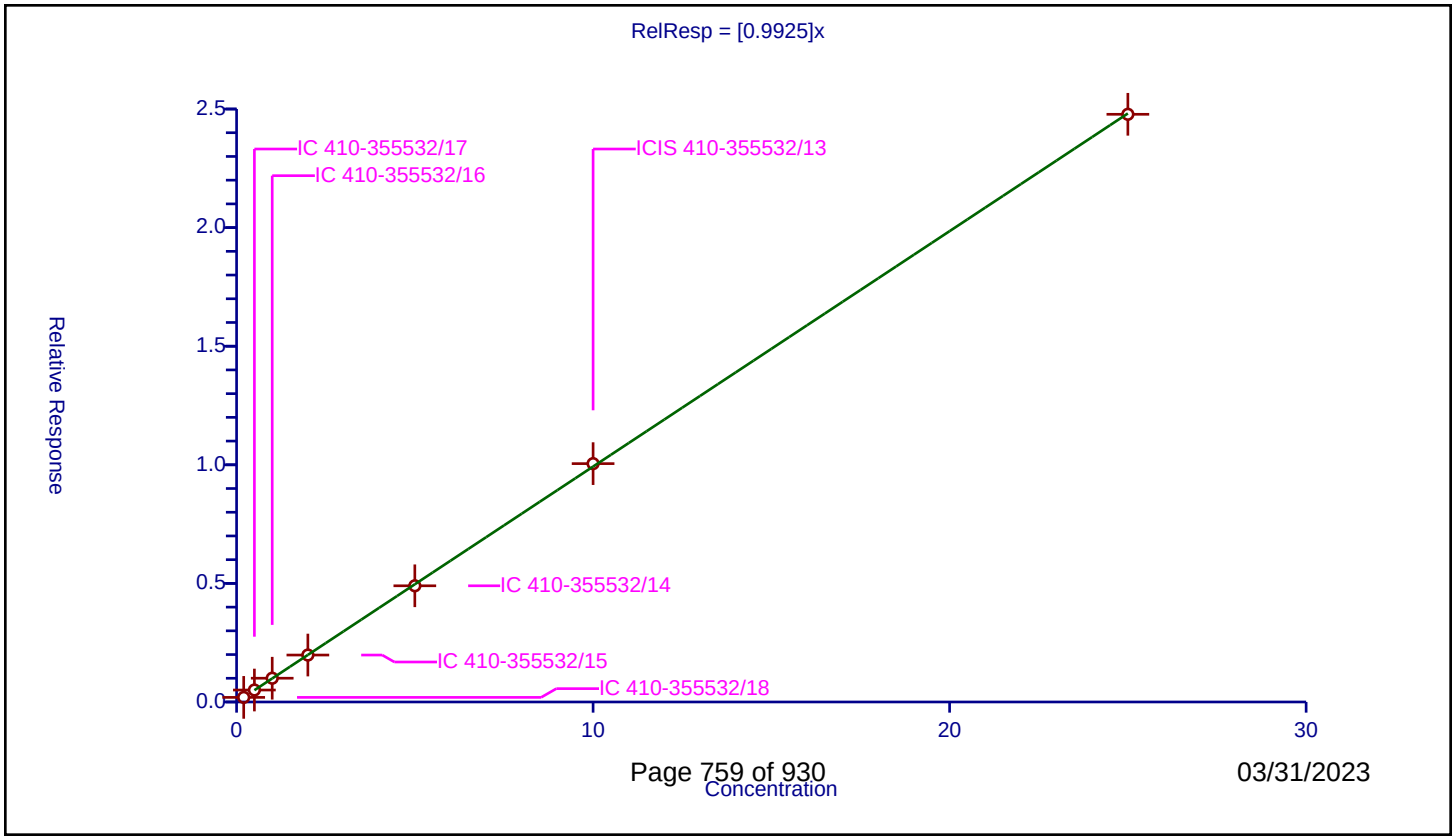
Curve Coefficients

Intercept:	0
Slope:	0.9925

Error Coefficients

Standard Error:	2150000
Relative Standard Error:	1.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.194143	10.0	1770499.0	0.970715	Y
2	IC 410-355532/17	0.5	0.504447	10.0	1779098.0	1.008893	Y
3	IC 410-355532/16	1.0	1.002742	10.0	1818962.0	1.002742	Y
4	IC 410-355532/15	2.0	1.979394	10.0	1844928.0	0.989697	Y
5	IC 410-355532/14	5.0	4.89873	10.0	1885942.0	0.979746	Y
6	ICIS 410-355532/13	10.0	10.048829	10.0	1886594.0	1.004883	Y
7	IC 410-355532/12	25.0	24.777367	10.0	1936058.0	0.991095	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

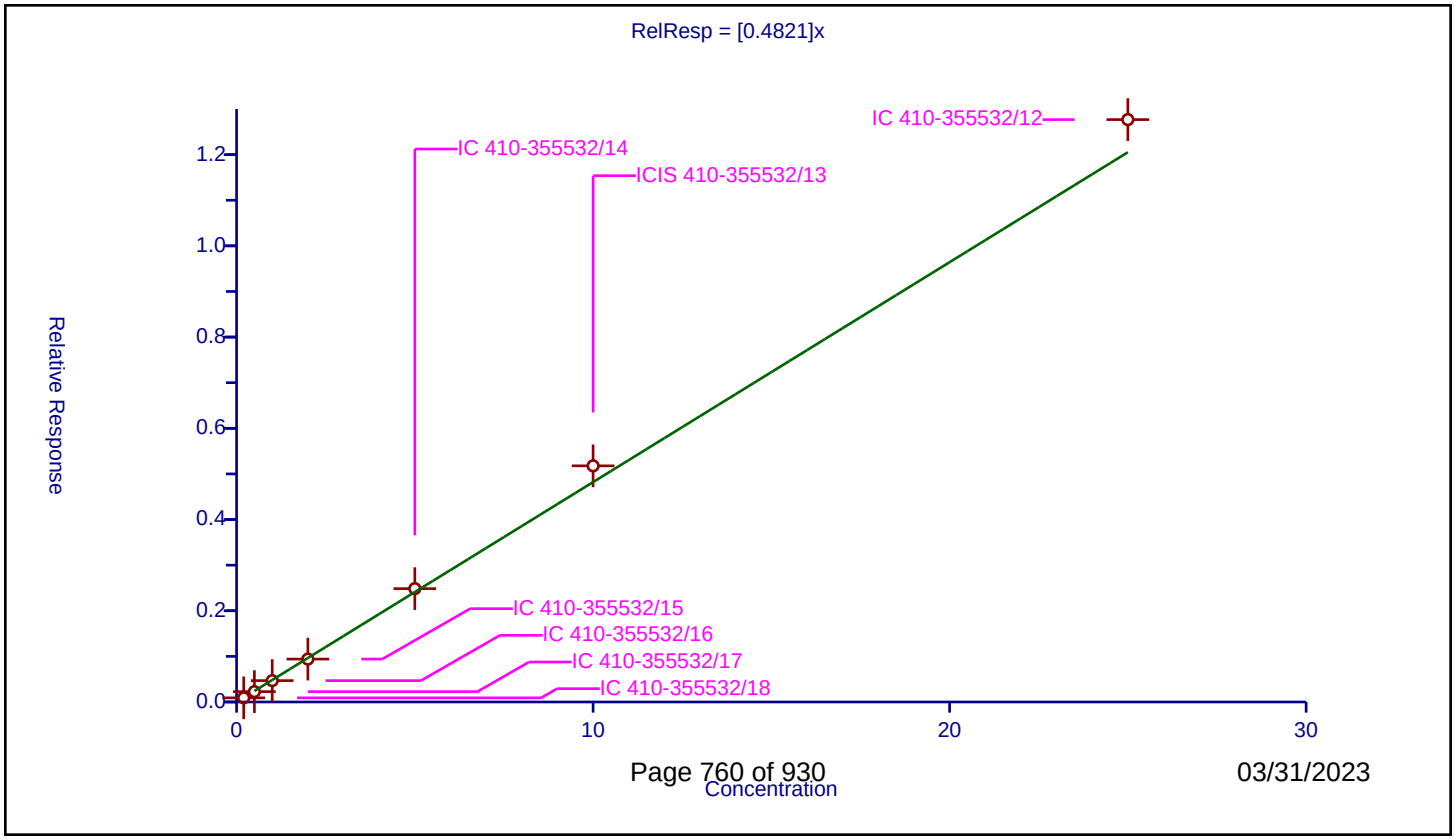
Curve Coefficients

Intercept:	0
Slope:	0.4821

Error Coefficients

Standard Error:	1100000
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 410-355532/18	0.2	0.091189	10.0	1770499.0	0.455945	Y
2	IC 410-355532/17	0.5	0.227407	10.0	1779098.0	0.454815	Y
3	IC 410-355532/16	1.0	0.468306	10.0	1818962.0	0.468306	Y
4	IC 410-355532/15	2.0	0.940199	10.0	1844928.0	0.4701	Y
5	IC 410-355532/14	5.0	2.485103	10.0	1885942.0	0.497021	Y
6	ICIS 410-355532/13	10.0	5.176954	10.0	1886594.0	0.517695	Y
7	IC 410-355532/12	25.0	12.768187	10.0	1936058.0	0.510727	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

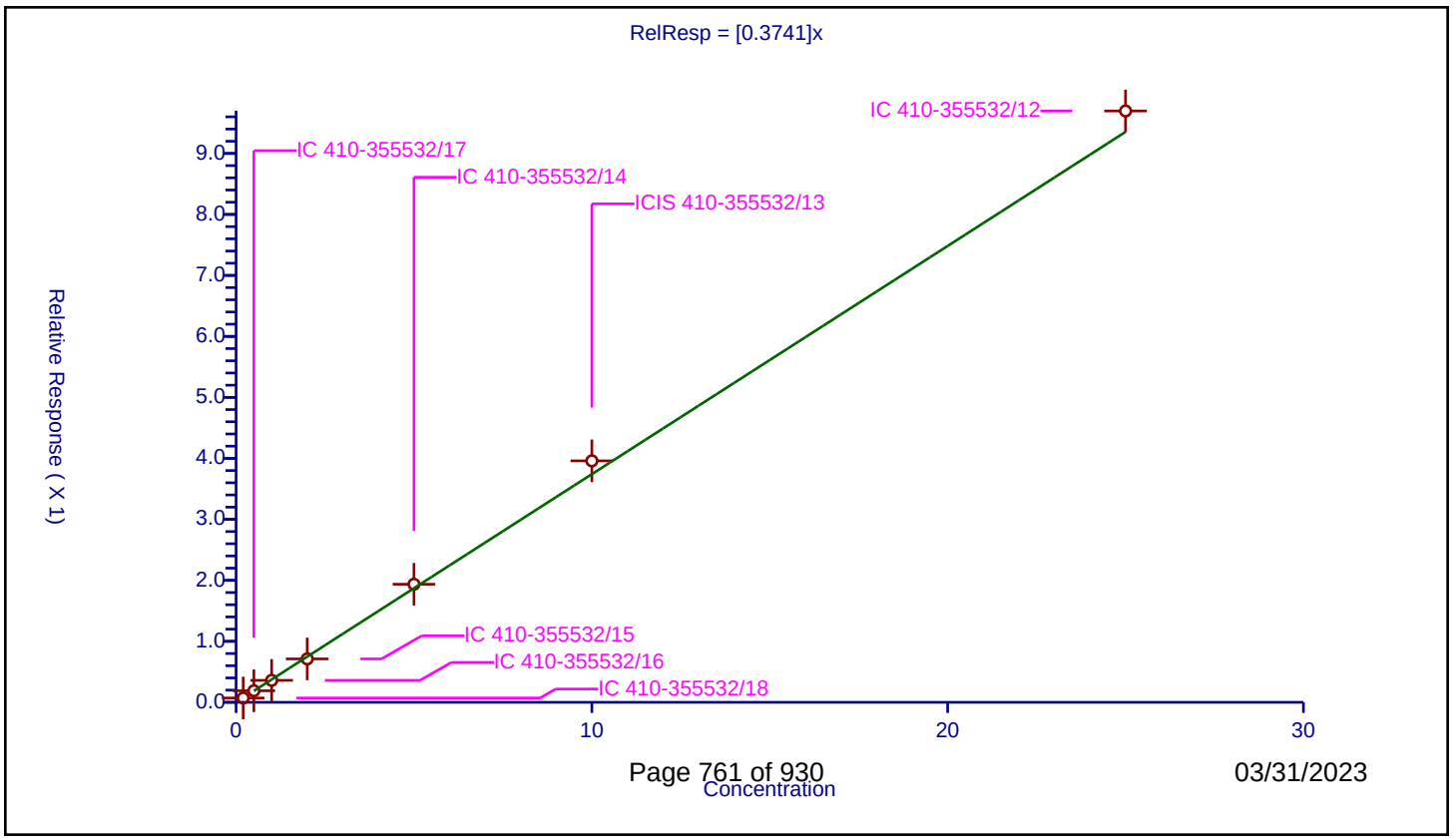
Curve Coefficients

Intercept:	0
Slope:	0.3741

Error Coefficients

Standard Error:	840000
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 410-355532/18	0.2	0.070489	10.0	1770499.0	0.352443	Y
2	IC 410-355532/17	0.5	0.189748	10.0	1779098.0	0.379496	Y
3	IC 410-355532/16	1.0	0.360134	10.0	1818962.0	0.360134	Y
4	IC 410-355532/15	2.0	0.711638	10.0	1844928.0	0.355819	Y
5	IC 410-355532/14	5.0	1.936226	10.0	1885942.0	0.387245	Y
6	ICIS 410-355532/13	10.0	3.959283	10.0	1886594.0	0.395928	Y
7	IC 410-355532/12	25.0	9.696662	10.0	1936058.0	0.387866	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

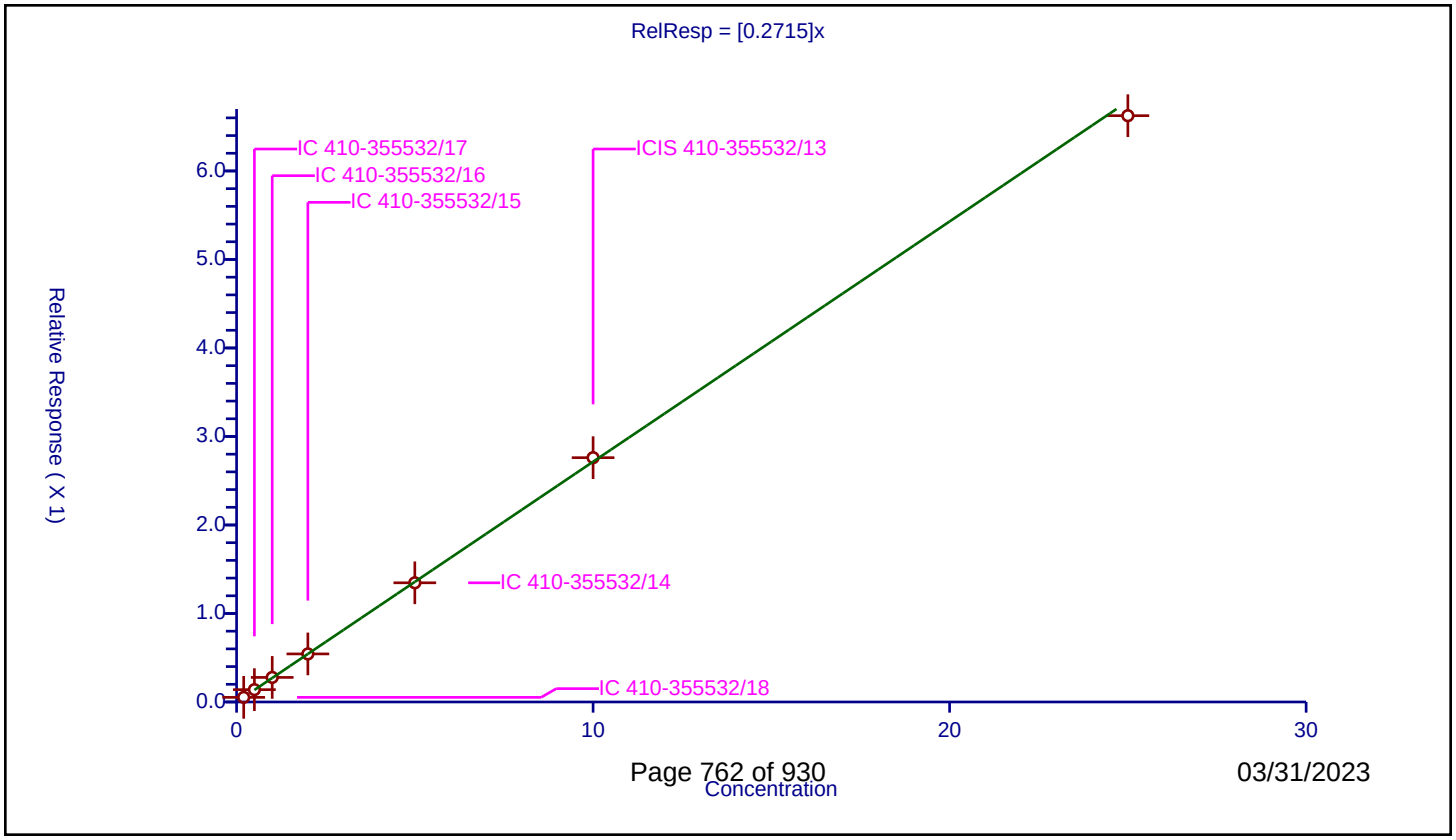
Curve Coefficients

Intercept:	0
Slope:	0.2715

Error Coefficients

Standard Error:	576000
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 410-355532/18	0.2	0.052324	10.0	1770499.0	0.261621	Y
2	IC 410-355532/17	0.5	0.139492	10.0	1779098.0	0.278984	Y
3	IC 410-355532/16	1.0	0.277664	10.0	1818962.0	0.277664	Y
4	IC 410-355532/15	2.0	0.54317	10.0	1844928.0	0.271585	Y
5	IC 410-355532/14	5.0	1.346802	10.0	1885942.0	0.26936	Y
6	ICIS 410-355532/13	10.0	2.760472	10.0	1886594.0	0.276047	Y
7	IC 410-355532/12	25.0	6.62461	10.0	1936058.0	0.264984	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

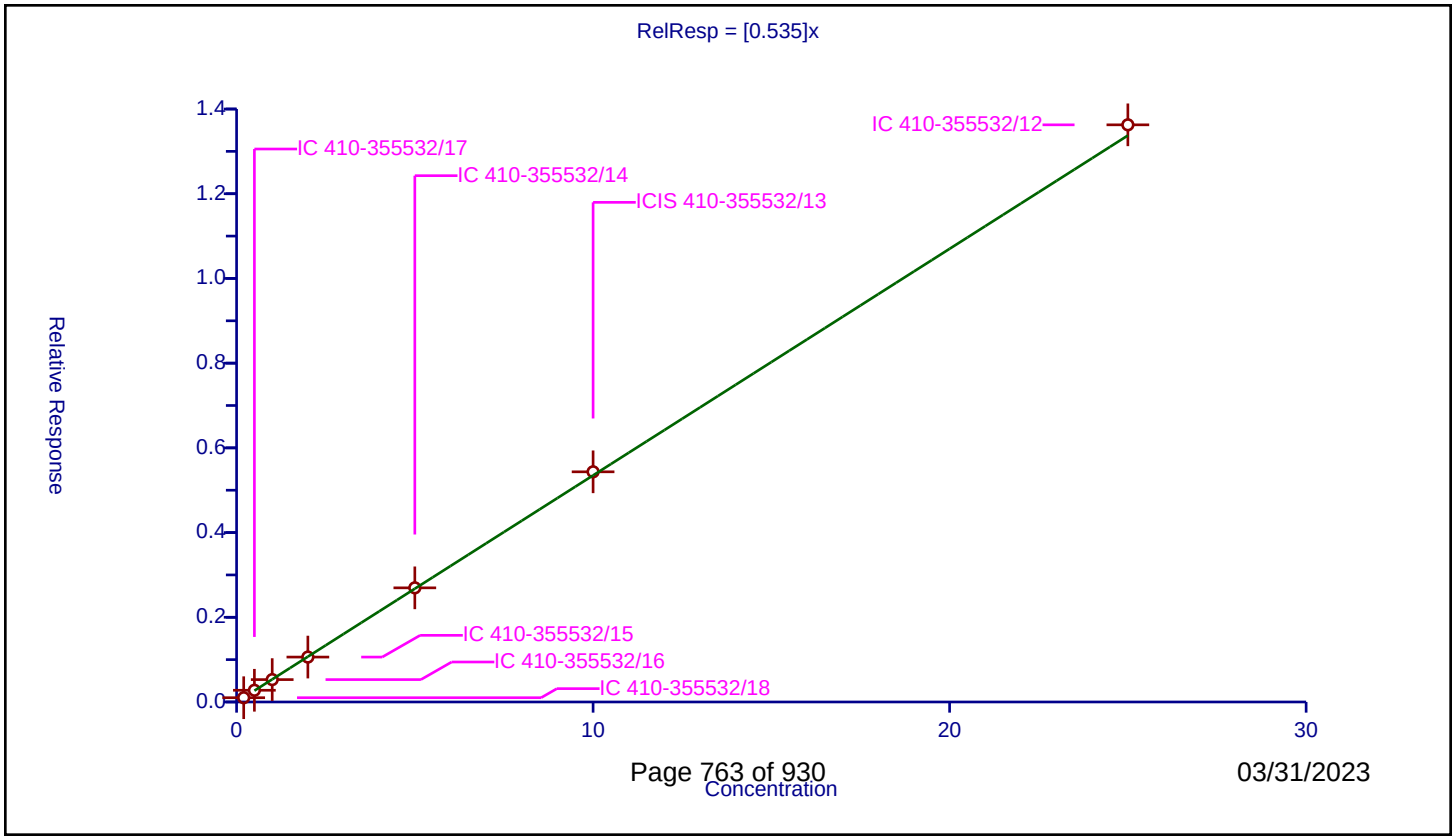
Curve Coefficients

Intercept:	0
Slope:	0.535

Error Coefficients

Standard Error:	1180000
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 410-355532/18	0.2	0.101158	10.0	1770499.0	0.50579	Y
2	IC 410-355532/17	0.5	0.27655	10.0	1779098.0	0.553101	Y
3	IC 410-355532/16	1.0	0.528345	10.0	1818962.0	0.528345	Y
4	IC 410-355532/15	2.0	1.060388	10.0	1844928.0	0.530194	Y
5	IC 410-355532/14	5.0	2.695019	10.0	1885942.0	0.539004	Y
6	ICIS 410-355532/13	10.0	5.43454	10.0	1886594.0	0.543454	Y
7	IC 410-355532/12	25.0	13.626849	10.0	1936058.0	0.545074	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

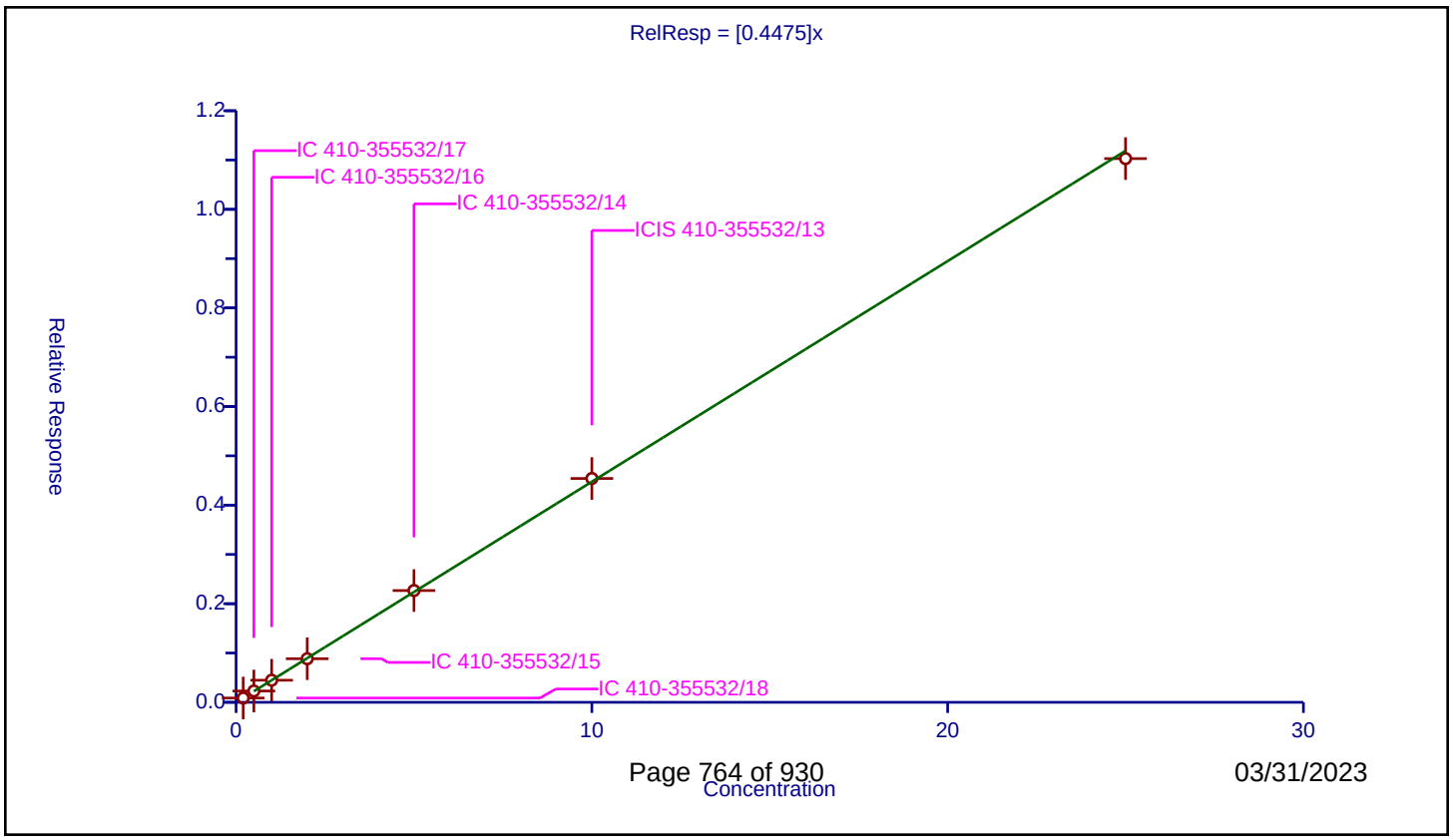
Curve Coefficients

Intercept:	0
Slope:	0.4475

Error Coefficients

Standard Error:	958000
Relative Standard Error:	2.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.086716	10.0	1770499.0	0.433578	Y
2	IC 410-355532/17	0.5	0.229836	10.0	1779098.0	0.459671	Y
3	IC 410-355532/16	1.0	0.4483	10.0	1818962.0	0.4483	Y
4	IC 410-355532/15	2.0	0.884262	10.0	1844928.0	0.442131	Y
5	IC 410-355532/14	5.0	2.267541	10.0	1885942.0	0.453508	Y
6	ICIS 410-355532/13	10.0	4.540521	10.0	1886594.0	0.454052	Y
7	IC 410-355532/12	25.0	11.029039	10.0	1936058.0	0.441162	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

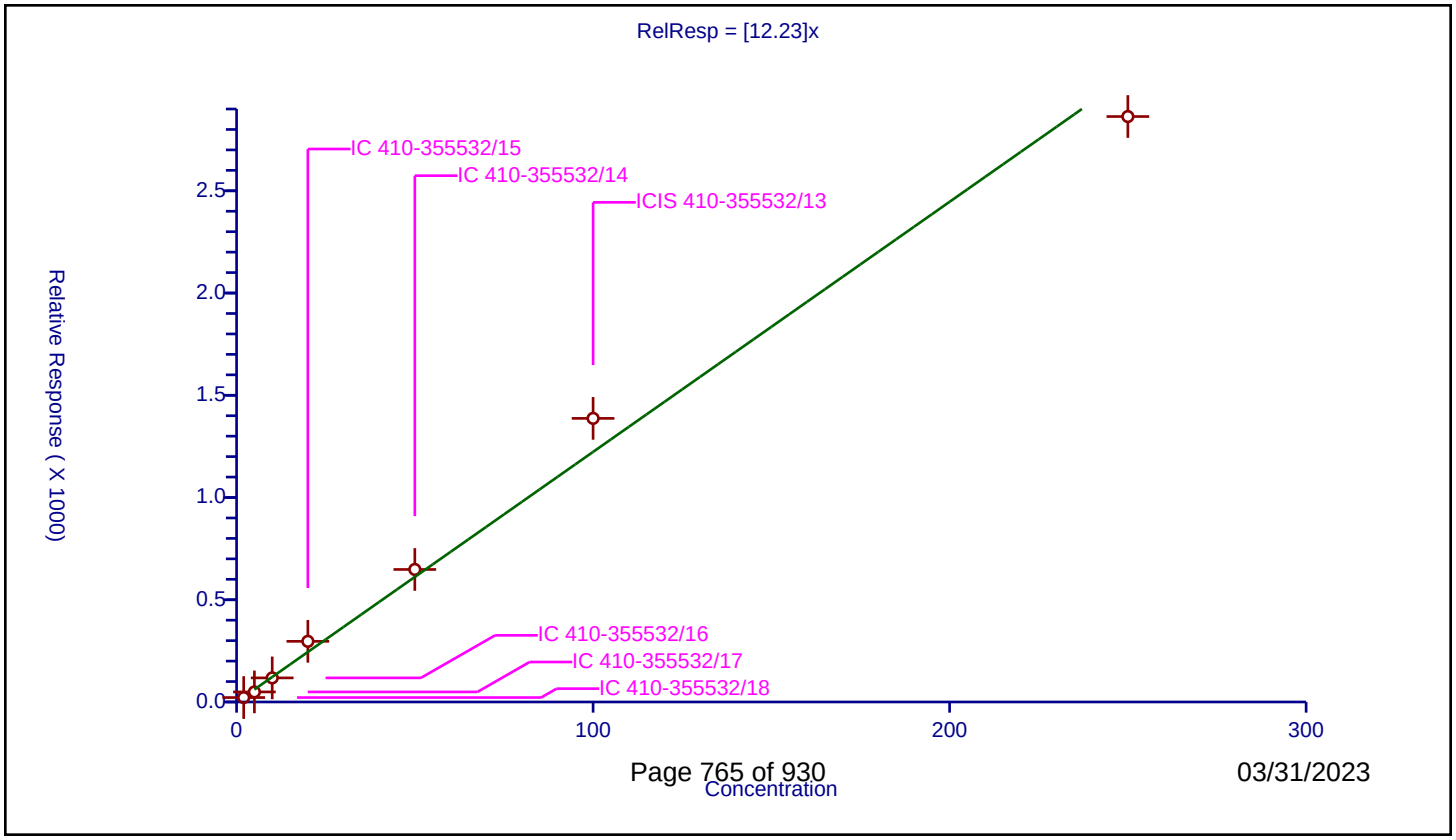
Curve Coefficients

Intercept:	0
Slope:	12.23

Error Coefficients

Standard Error:	3640000
Relative Standard Error:	14.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	2.0	21.731978	50.0	126445.0	10.865989	Y
2	IC 410-355532/17	5.0	49.241003	50.0	153492.0	9.848201	Y
3	IC 410-355532/16	10.0	117.85677	50.0	134008.0	11.785677	Y
4	IC 410-355532/15	20.0	296.574872	50.0	97646.0	14.828744	Y
5	IC 410-355532/14	50.0	648.136495	50.0	125221.0	12.96273	Y
6	ICIS 410-355532/13	100.0	1387.05645	50.0	120956.0	13.870565	Y
7	IC 410-355532/12	250.0	2863.199104	50.0	141127.0	11.452796	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

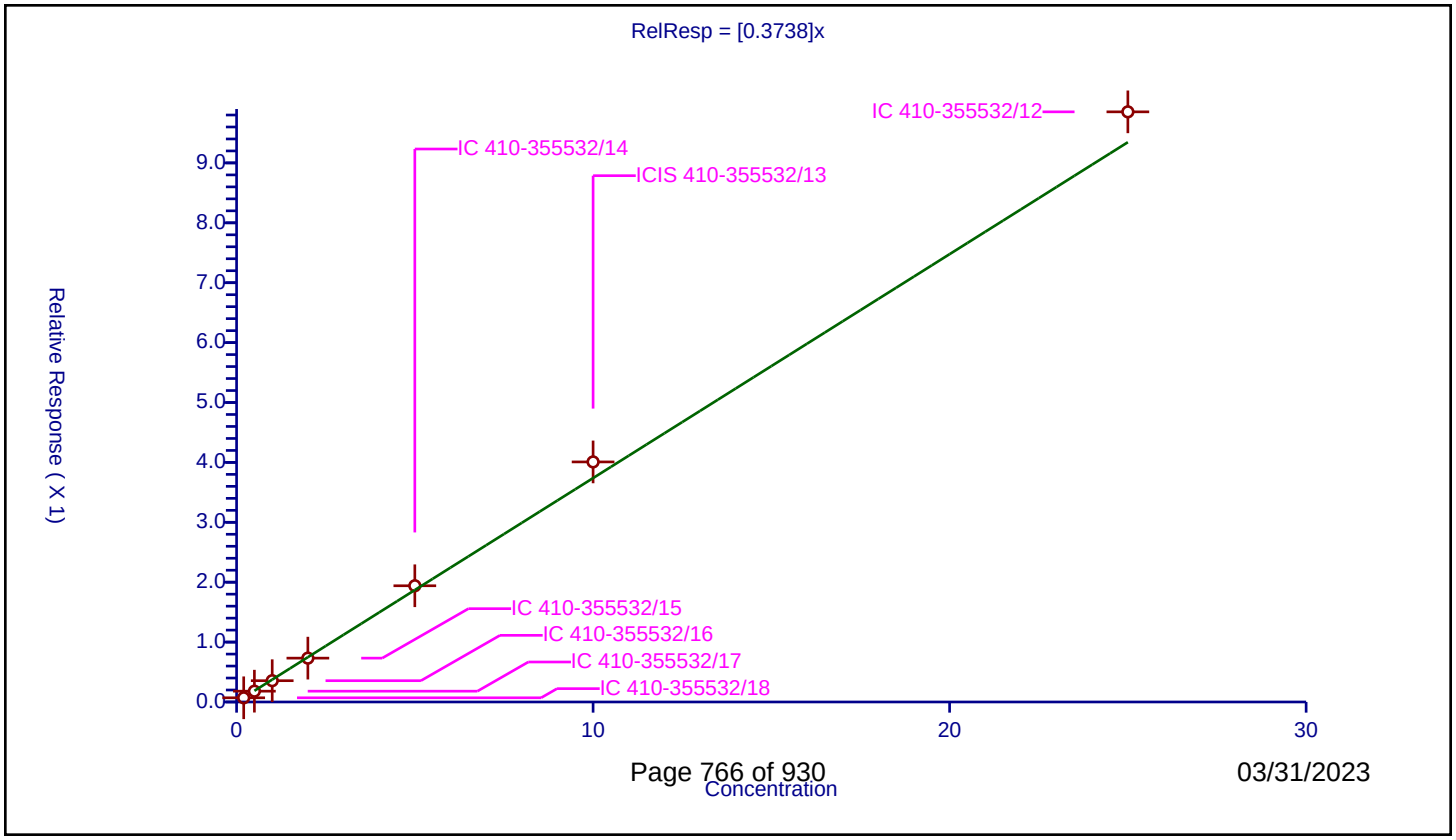
Curve Coefficients

Intercept:	0
Slope:	0.3738

Error Coefficients

Standard Error:	853000
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 410-355532/18	0.2	0.070121	10.0	1770499.0	0.350607	Y
2	IC 410-355532/17	0.5	0.180676	10.0	1779098.0	0.361352	Y
3	IC 410-355532/16	1.0	0.355703	10.0	1818962.0	0.355703	Y
4	IC 410-355532/15	2.0	0.732338	10.0	1844928.0	0.366169	Y
5	IC 410-355532/14	5.0	1.94041	10.0	1885942.0	0.388082	Y
6	ICIS 410-355532/13	10.0	4.00808	10.0	1886594.0	0.400808	Y
7	IC 410-355532/12	25.0	9.852727	10.0	1936058.0	0.394109	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

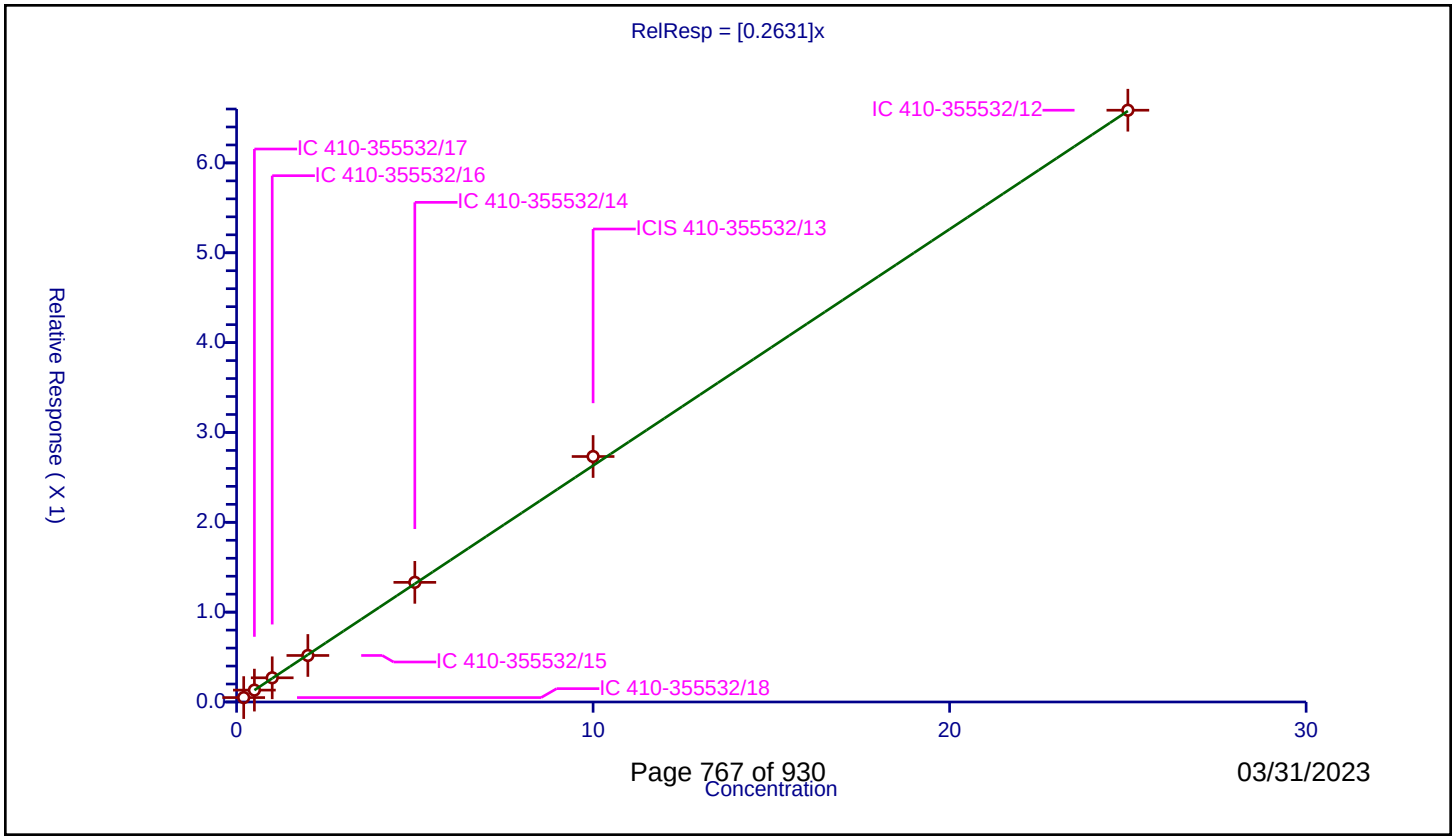
Curve Coefficients

Intercept:	0
Slope:	0.2631

Error Coefficients

Standard Error:	573000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.049212	10.0	1770499.0	0.246061	Y
2	IC 410-355532/17	0.5	0.13223	10.0	1779098.0	0.26446	Y
3	IC 410-355532/16	1.0	0.269357	10.0	1818962.0	0.269357	Y
4	IC 410-355532/15	2.0	0.517711	10.0	1844928.0	0.258856	Y
5	IC 410-355532/14	5.0	1.331738	10.0	1885942.0	0.266348	Y
6	ICIS 410-355532/13	10.0	2.732326	10.0	1886594.0	0.273233	Y
7	IC 410-355532/12	25.0	6.586703	10.0	1936058.0	0.263468	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

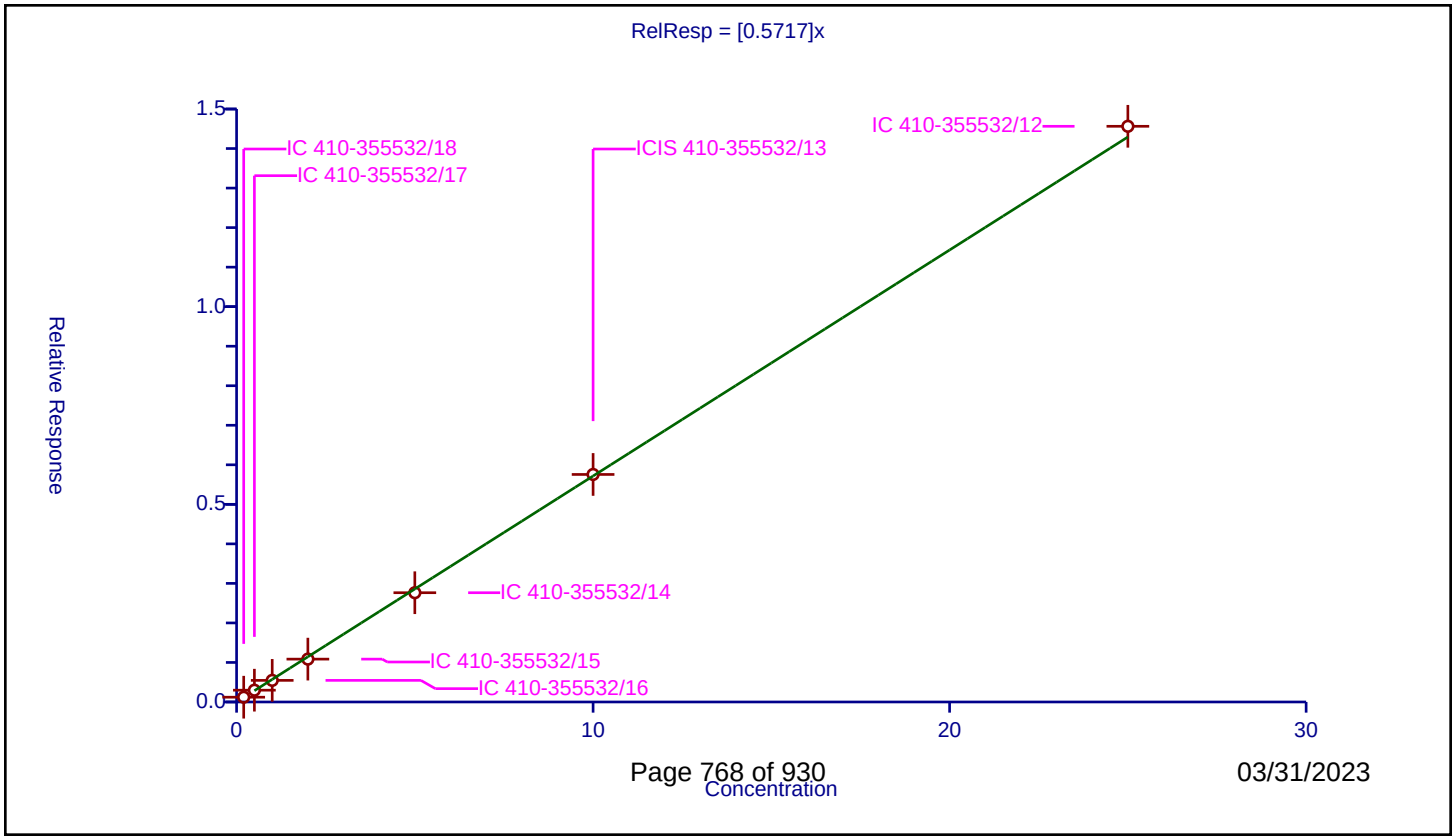
Curve Coefficients

Intercept:	0
Slope:	0.5717

Error Coefficients

Standard Error:	1260000
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 410-355532/18	0.2	0.120988	10.0	1770499.0	0.604942	Y
2	IC 410-355532/17	0.5	0.298505	10.0	1779098.0	0.59701	Y
3	IC 410-355532/16	1.0	0.546619	10.0	1818962.0	0.546619	Y
4	IC 410-355532/15	2.0	1.084552	10.0	1844928.0	0.542276	Y
5	IC 410-355532/14	5.0	2.764343	10.0	1885942.0	0.552869	Y
6	ICIS 410-355532/13	10.0	5.755822	10.0	1886594.0	0.575582	Y
7	IC 410-355532/12	25.0	14.562859	10.0	1936058.0	0.582514	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

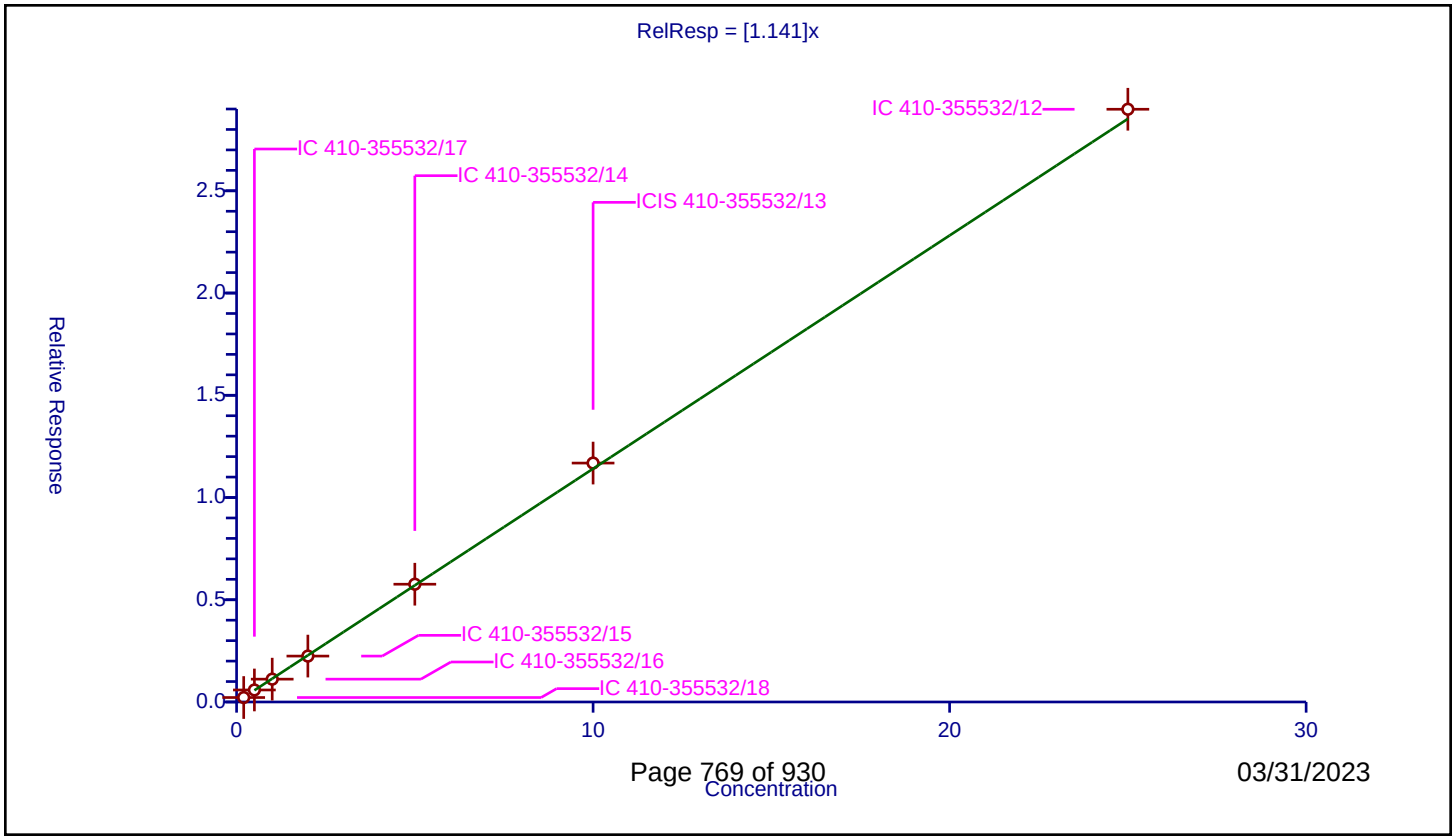
Curve Coefficients

Intercept:	0
Slope:	1.141

Error Coefficients

Standard Error:	2510000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.218306	10.0	1770499.0	1.091528	Y
2	IC 410-355532/17	0.5	0.587511	10.0	1779098.0	1.175022	Y
3	IC 410-355532/16	1.0	1.116466	10.0	1818962.0	1.116466	Y
4	IC 410-355532/15	2.0	2.244841	10.0	1844928.0	1.12242	Y
5	IC 410-355532/14	5.0	5.760357	10.0	1885942.0	1.152071	Y
6	ICIS 410-355532/13	10.0	11.684533	10.0	1886594.0	1.168453	Y
7	IC 410-355532/12	25.0	28.988	10.0	1936058.0	1.15952	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

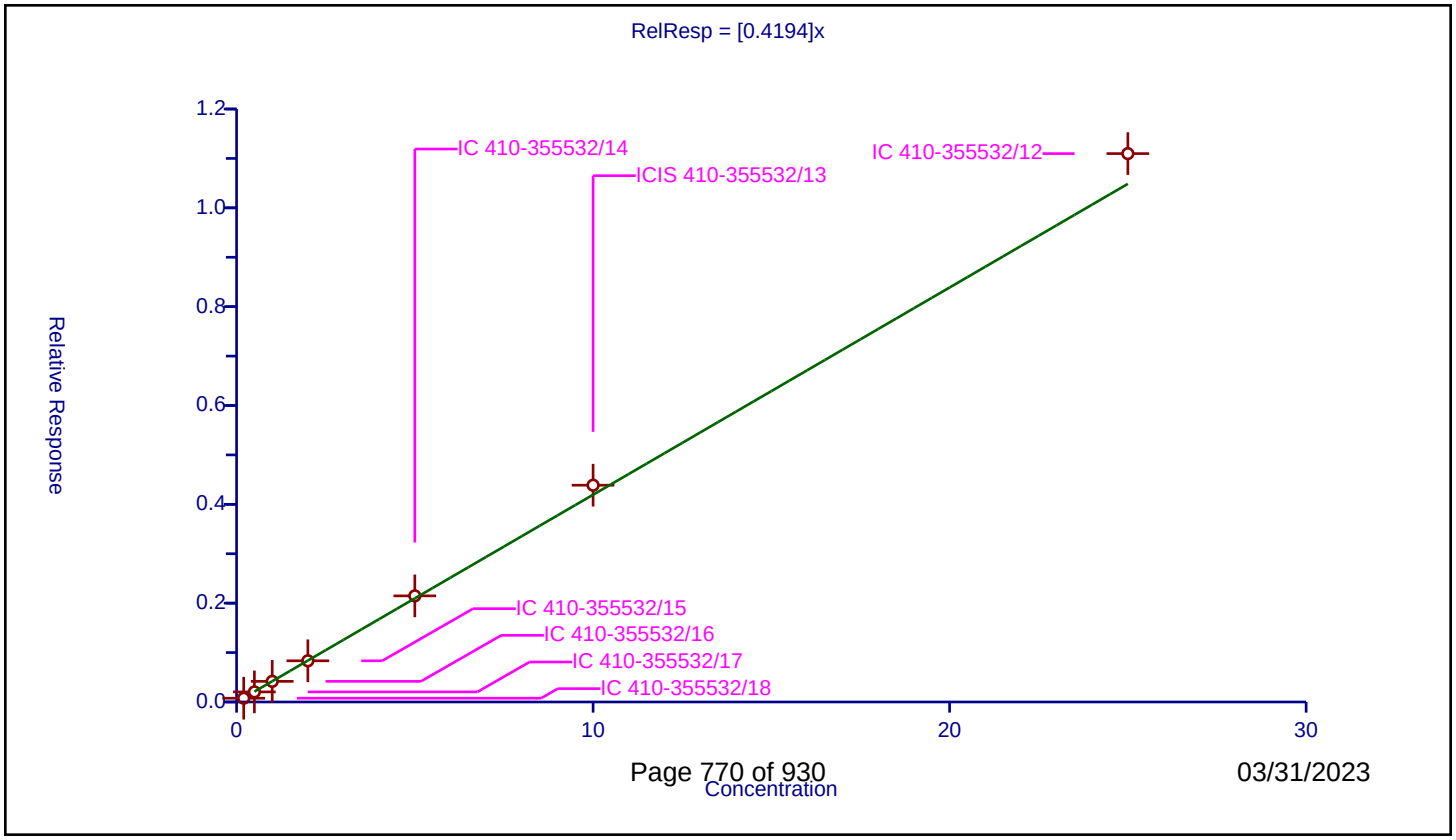
Curve Coefficients

Intercept:	0
Slope:	0.4194

Error Coefficients

Standard Error:	957000
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 410-355532/18	0.2	0.076182	10.0	1770499.0	0.38091	Y
2	IC 410-355532/17	0.5	0.204474	10.0	1779098.0	0.408949	Y
3	IC 410-355532/16	1.0	0.417172	10.0	1818962.0	0.417172	Y
4	IC 410-355532/15	2.0	0.833344	10.0	1844928.0	0.416672	Y
5	IC 410-355532/14	5.0	2.147802	10.0	1885942.0	0.42956	Y
6	ICIS 410-355532/13	10.0	4.387054	10.0	1886594.0	0.438705	Y
7	IC 410-355532/12	25.0	11.097622	10.0	1936058.0	0.443905	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

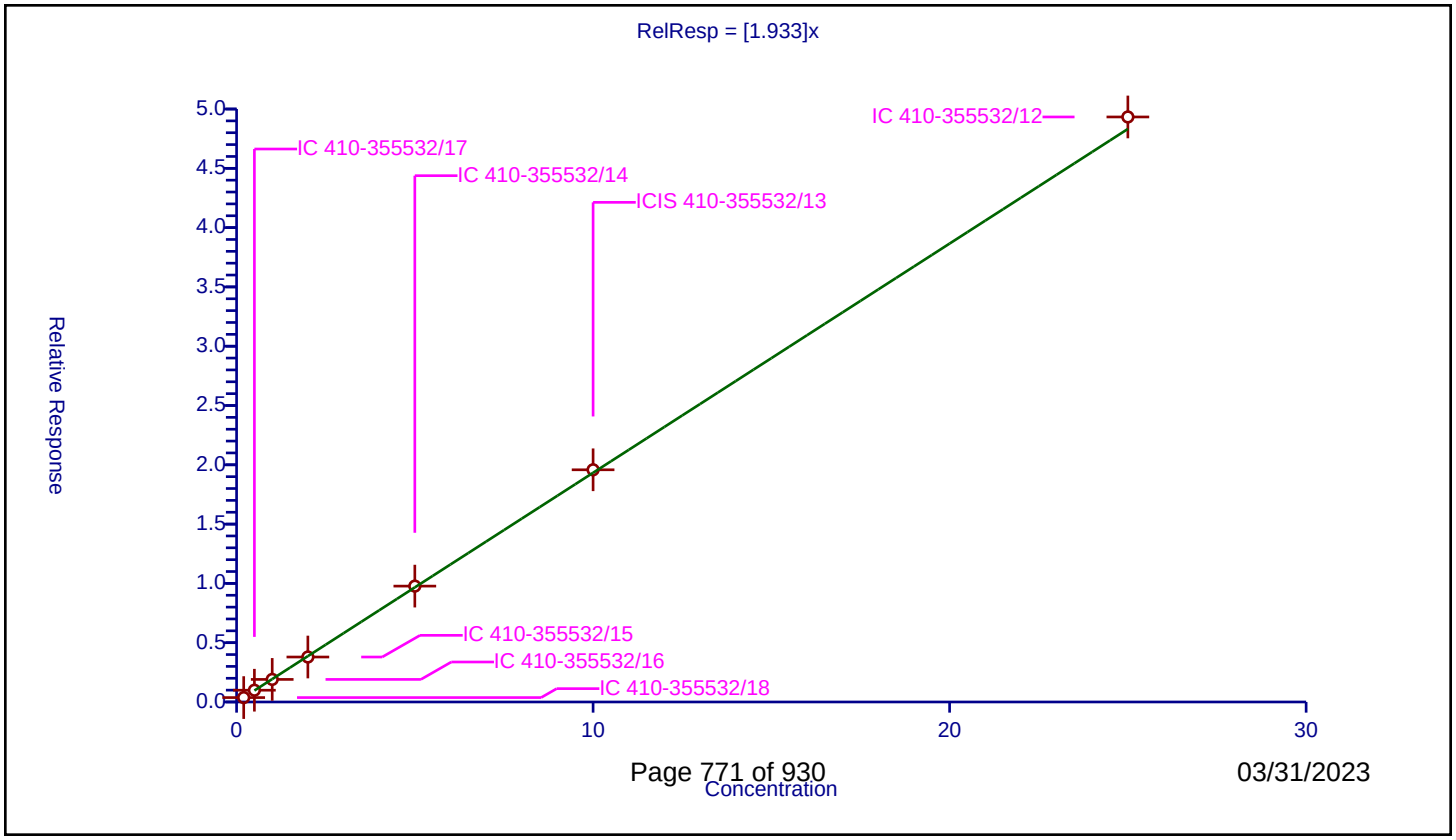
Curve Coefficients

Intercept:	0
Slope:	1.933

Error Coefficients

Standard Error:	4260000
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 410-355532/18	0.2	0.371641	10.0	1770499.0	1.858205	Y
2	IC 410-355532/17	0.5	0.992733	10.0	1779098.0	1.985467	Y
3	IC 410-355532/16	1.0	1.903723	10.0	1818962.0	1.903723	Y
4	IC 410-355532/15	2.0	3.79224	10.0	1844928.0	1.89612	Y
5	IC 410-355532/14	5.0	9.770534	10.0	1885942.0	1.954107	Y
6	ICIS 410-355532/13	10.0	19.580307	10.0	1886594.0	1.958031	Y
7	IC 410-355532/12	25.0	49.329462	10.0	1936058.0	1.973178	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

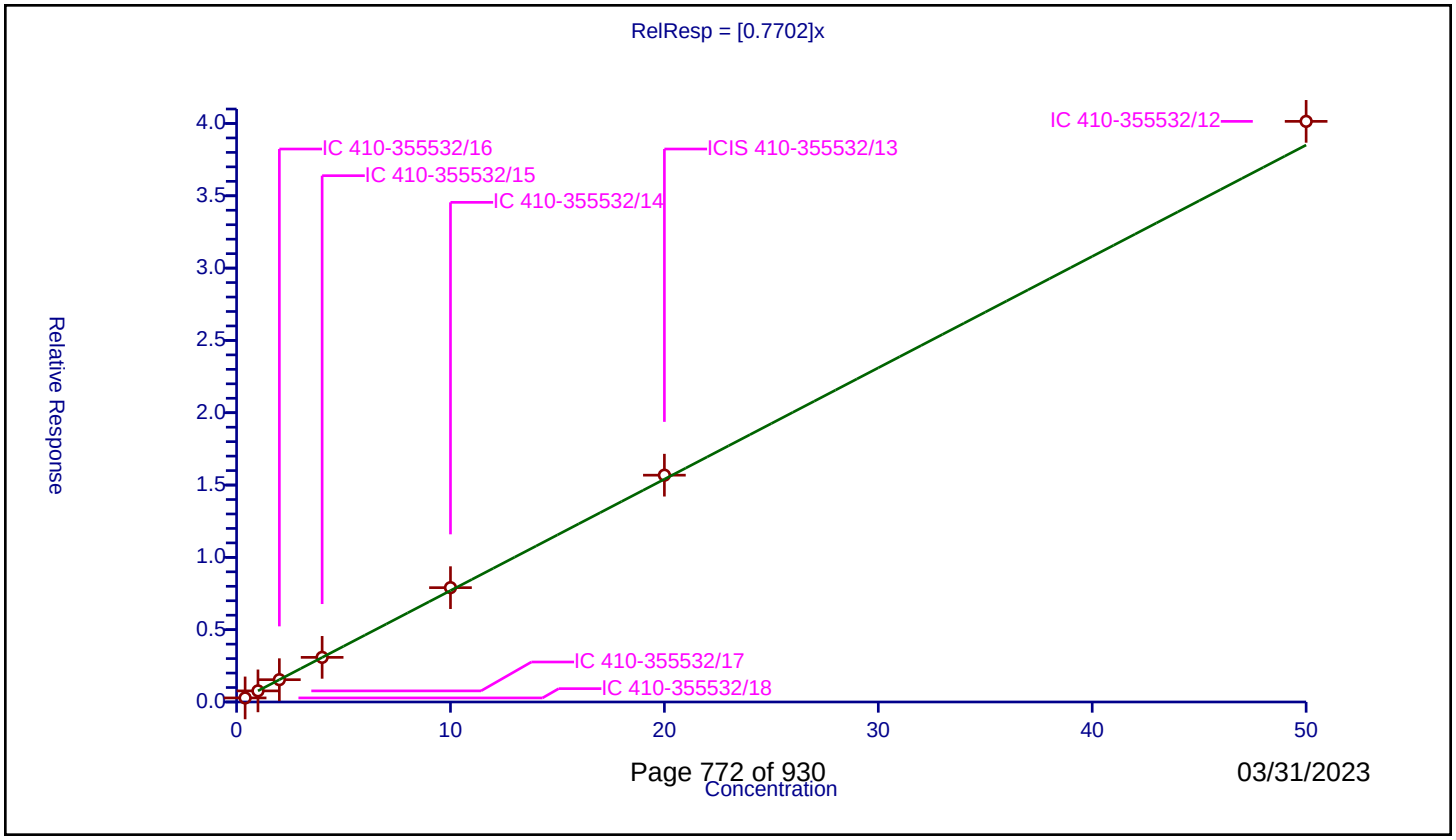
Curve Coefficients

Intercept:	0
Slope:	0.7702

Error Coefficients

Standard Error:	3460000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.4	0.281158	10.0	1770499.0	0.702895	Y
2	IC 410-355532/17	1.0	0.767816	10.0	1779098.0	0.767816	Y
3	IC 410-355532/16	2.0	1.542506	10.0	1818962.0	0.771253	Y
4	IC 410-355532/15	4.0	3.086337	10.0	1844928.0	0.771584	Y
5	IC 410-355532/14	10.0	7.905604	10.0	1885942.0	0.79056	Y
6	ICIS 410-355532/13	20.0	15.682786	10.0	1886594.0	0.784139	Y
7	IC 410-355532/12	50.0	40.145683	10.0	1936058.0	0.802914	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

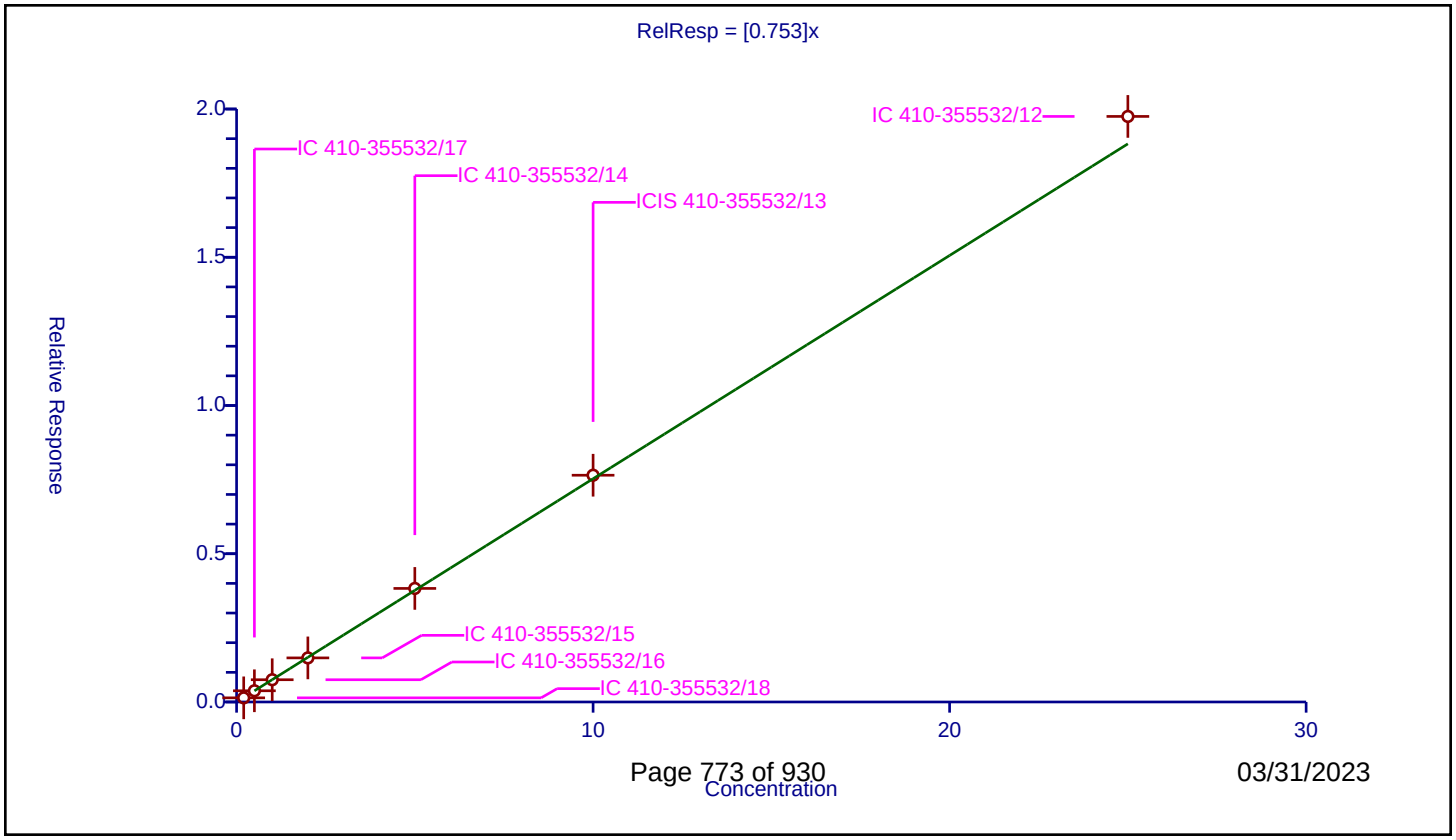
Curve Coefficients

Intercept:	0
Slope:	0.753

Error Coefficients

Standard Error:	1700000
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 410-355532/18	0.2	0.139729	10.0	1770499.0	0.698645	Y
2	IC 410-355532/17	0.5	0.378501	10.0	1779098.0	0.757002	Y
3	IC 410-355532/16	1.0	0.750928	10.0	1818962.0	0.750928	Y
4	IC 410-355532/15	2.0	1.487153	10.0	1844928.0	0.743576	Y
5	IC 410-355532/14	5.0	3.830075	10.0	1885942.0	0.766015	Y
6	ICIS 410-355532/13	10.0	7.648328	10.0	1886594.0	0.764833	Y
7	IC 410-355532/12	25.0	19.749687	10.0	1936058.0	0.789987	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

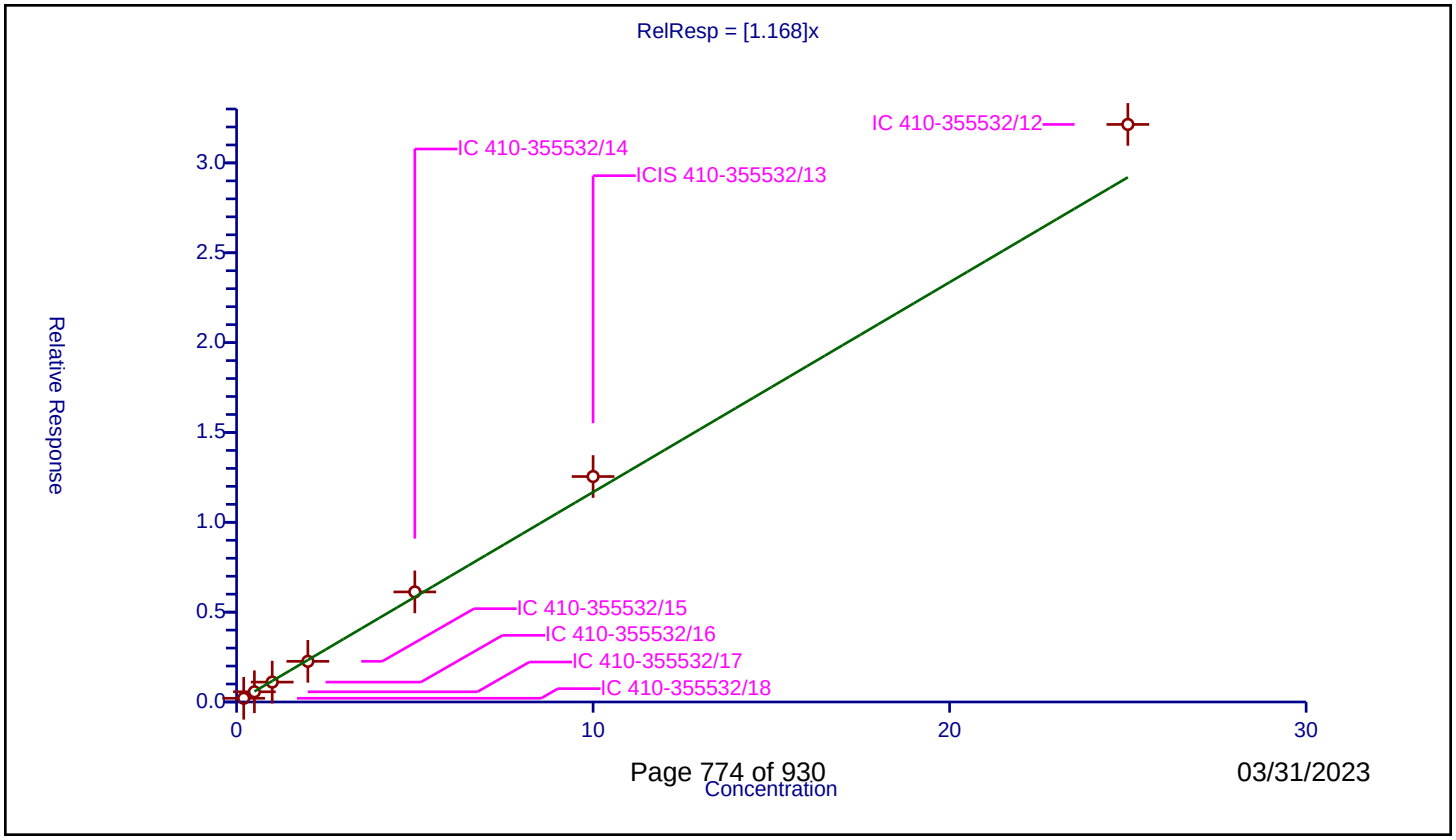
Curve Coefficients

Intercept:	0
Slope:	1.168

Error Coefficients

Standard Error:	2770000
Relative Standard Error:	7.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.207156	10.0	1770499.0	1.035781	Y
2	IC 410-355532/17	0.5	0.568316	10.0	1779098.0	1.136632	Y
3	IC 410-355532/16	1.0	1.106719	10.0	1818962.0	1.106719	Y
4	IC 410-355532/15	2.0	2.262045	10.0	1844928.0	1.131022	Y
5	IC 410-355532/14	5.0	6.125666	10.0	1885942.0	1.225133	Y
6	ICIS 410-355532/13	10.0	12.547225	10.0	1886594.0	1.254723	Y
7	IC 410-355532/12	25.0	32.142069	10.0	1936058.0	1.285683	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

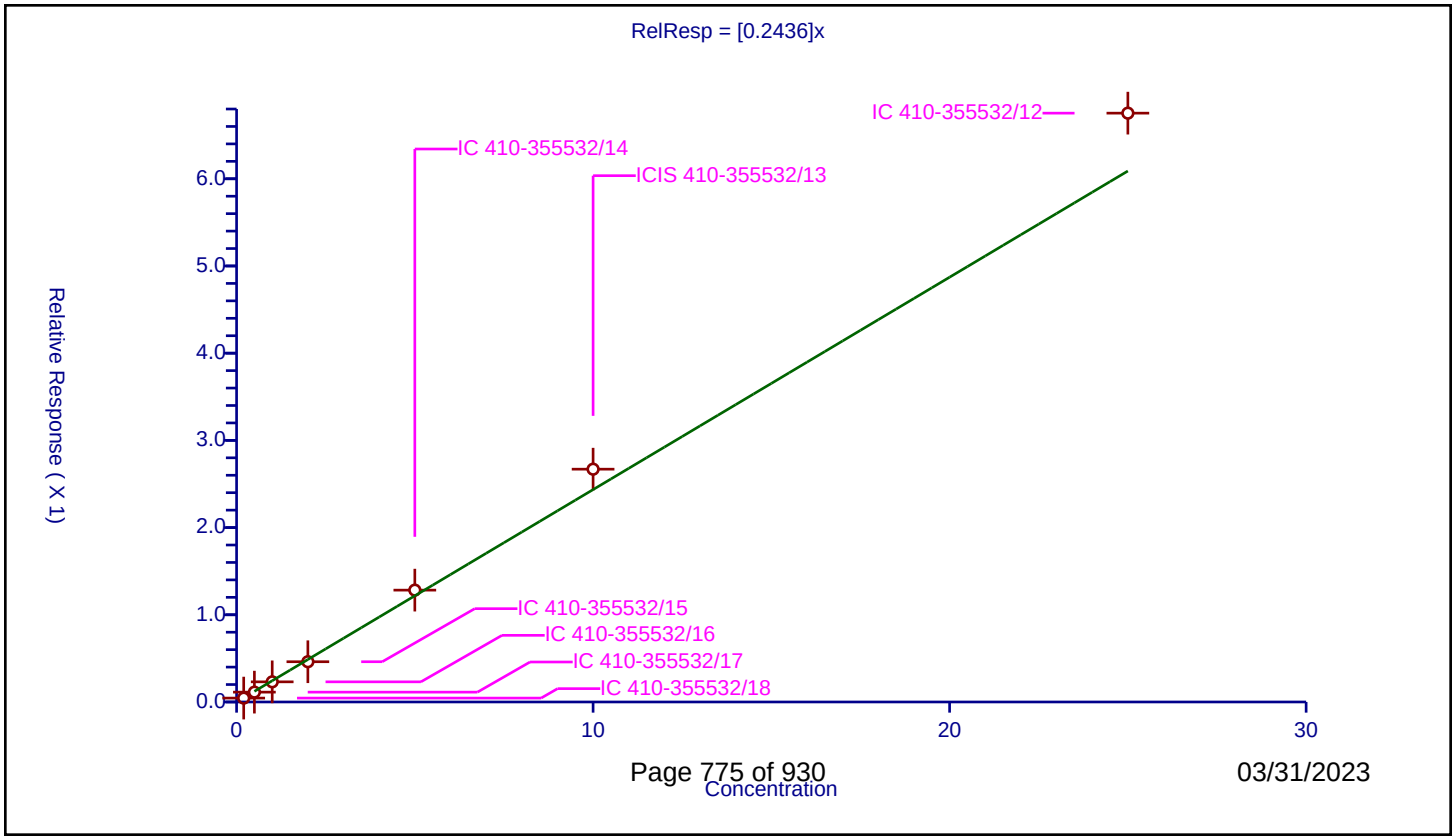
Curve Coefficients

Intercept:	0
Slope:	0.2436

Error Coefficients

Standard Error:	582000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.044773	10.0	1770499.0	0.223863	Y
2	IC 410-355532/17	0.5	0.1129	10.0	1779098.0	0.2258	Y
3	IC 410-355532/16	1.0	0.230895	10.0	1818962.0	0.230895	Y
4	IC 410-355532/15	2.0	0.46159	10.0	1844928.0	0.230795	Y
5	IC 410-355532/14	5.0	1.282563	10.0	1885942.0	0.256513	Y
6	ICIS 410-355532/13	10.0	2.669679	10.0	1886594.0	0.266968	Y
7	IC 410-355532/12	25.0	6.752489	10.0	1936058.0	0.2701	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

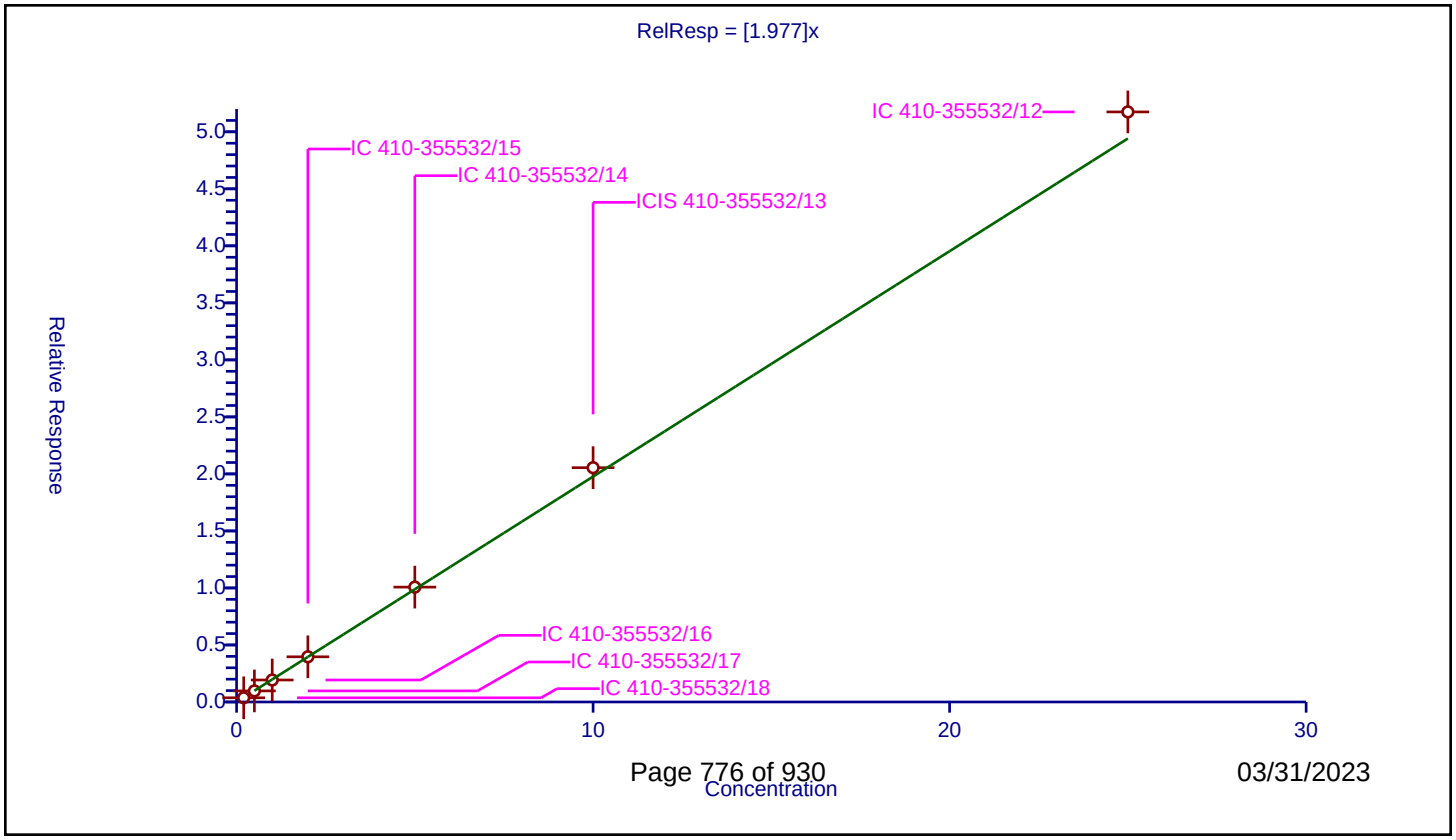
Curve Coefficients

Intercept:	0
Slope:	1.977

Error Coefficients

Standard Error:	4470000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.368484	10.0	1770499.0	1.842418	Y
2	IC 410-355532/17	0.5	0.972628	10.0	1779098.0	1.945255	Y
3	IC 410-355532/16	1.0	1.92794	10.0	1818962.0	1.92794	Y
4	IC 410-355532/15	2.0	3.962805	10.0	1844928.0	1.981403	Y
5	IC 410-355532/14	5.0	10.072171	10.0	1885942.0	2.014434	Y
6	ICIS 410-355532/13	10.0	20.547929	10.0	1886594.0	2.054793	Y
7	IC 410-355532/12	25.0	51.744003	10.0	1936058.0	2.06976	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

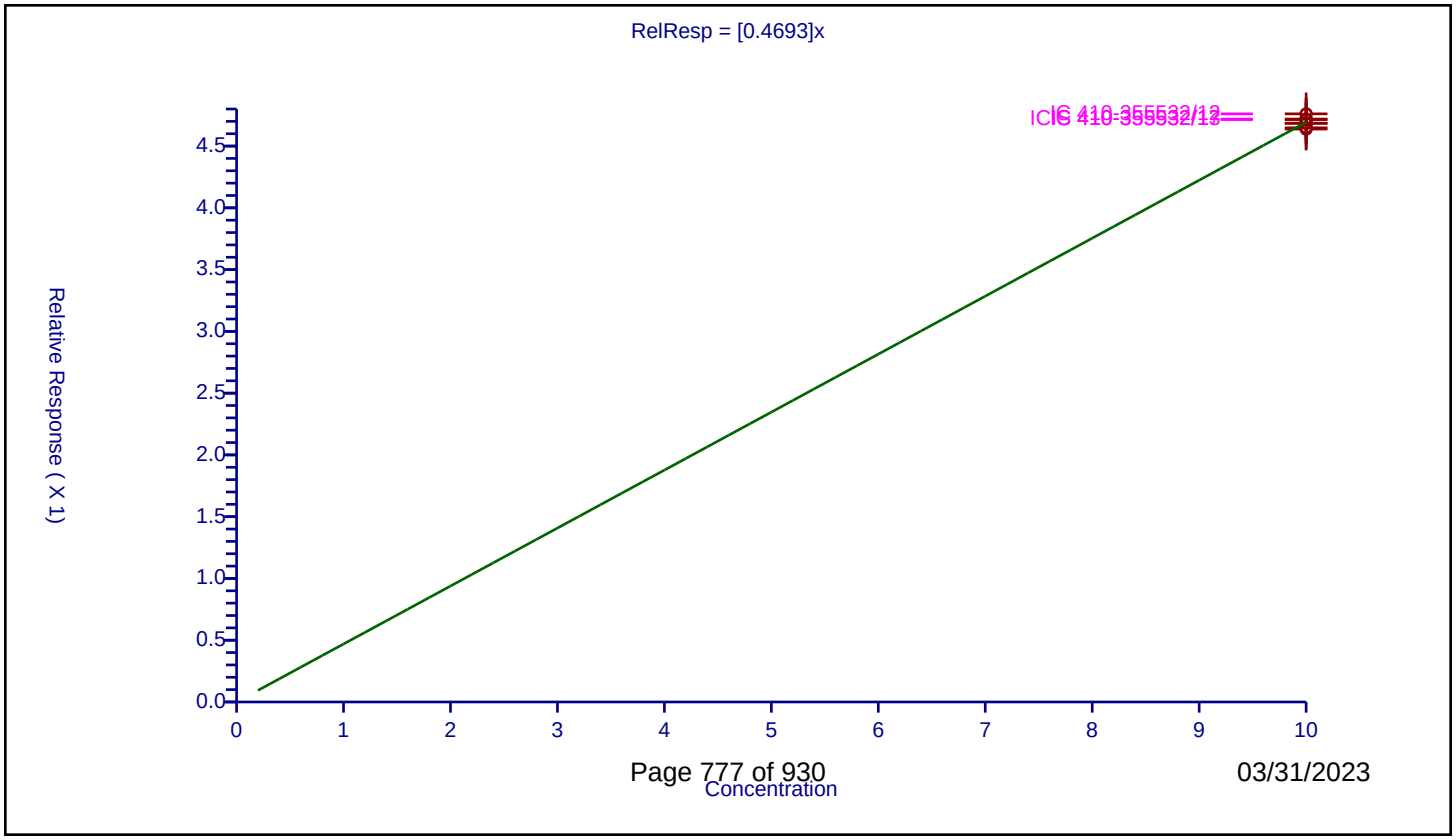
Curve Coefficients

Intercept:	0
Slope:	0.4693

Error Coefficients

Standard Error:	936000
Relative Standard Error:	0.9
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/12	10.0	4.760999	10.0	1936058.0	0.4761	Y
2	ICIS 410-355532/13	10.0	4.714295	10.0	1886594.0	0.471429	Y
3	IC 410-355532/14	10.0	4.647943	10.0	1885942.0	0.464794	Y
4	IC 410-355532/15	10.0	4.637574	10.0	1844928.0	0.463757	Y
5	IC 410-355532/16	10.0	4.685337	10.0	1818962.0	0.468534	Y
6	IC 410-355532/17	10.0	4.718779	10.0	1779098.0	0.471878	Y
7	IC 410-355532/18	10.0	4.684261	10.0	1770499.0	0.468426	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

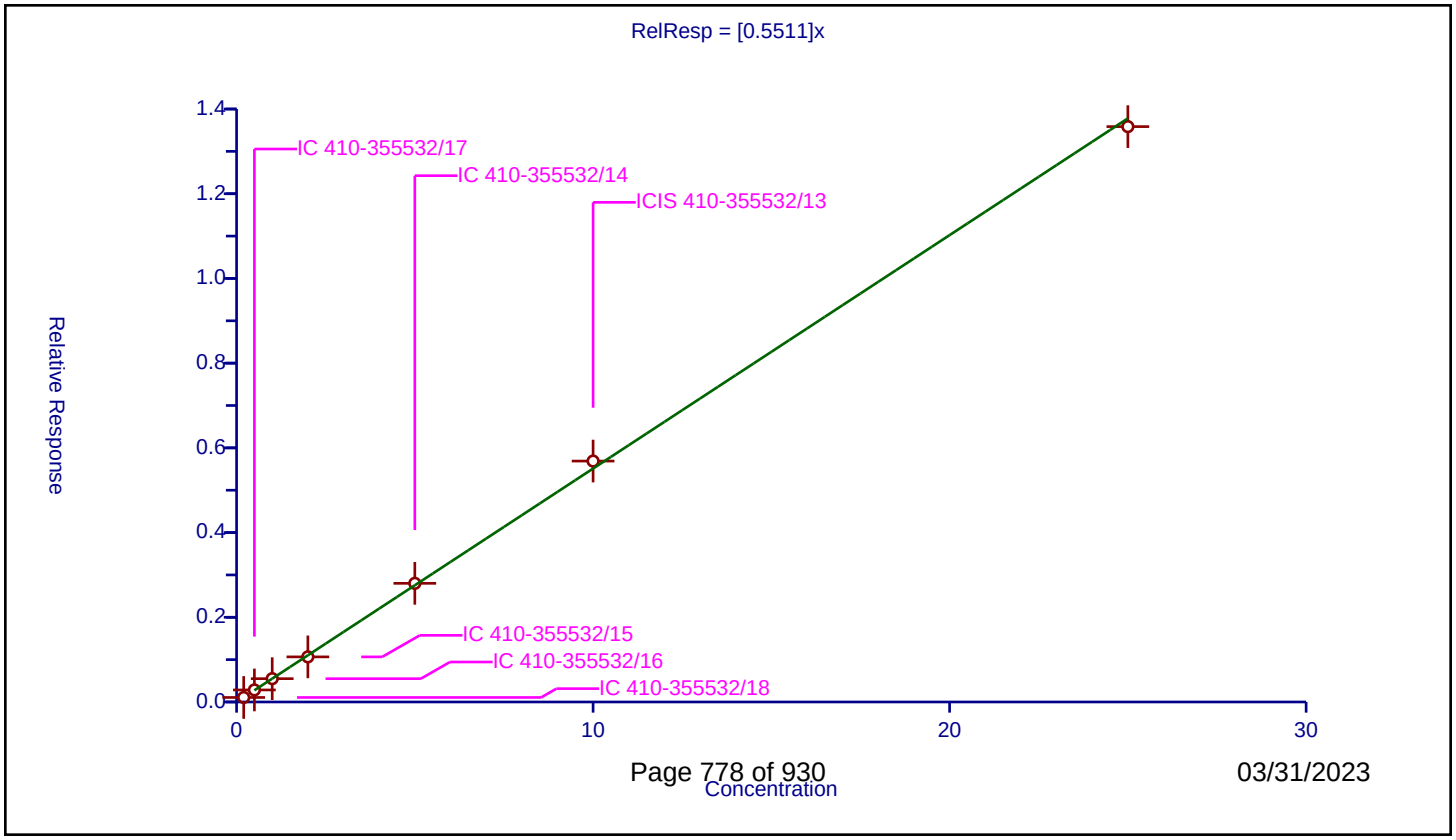
Curve Coefficients

Intercept:	0
Slope:	0.5511

Error Coefficients

Standard Error:	753000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.106742	10.0	1096665.0	0.533709	Y
2	IC 410-355532/17	0.5	0.284154	10.0	1099896.0	0.568308	Y
3	IC 410-355532/16	1.0	0.550783	10.0	1128630.0	0.550783	Y
4	IC 410-355532/15	2.0	1.065272	10.0	1126529.0	0.532636	Y
5	IC 410-355532/14	5.0	2.801317	10.0	1162953.0	0.560263	Y
6	ICIS 410-355532/13	10.0	5.688045	10.0	1169233.0	0.568805	Y
7	IC 410-355532/12	25.0	13.584741	10.0	1240232.0	0.54339	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

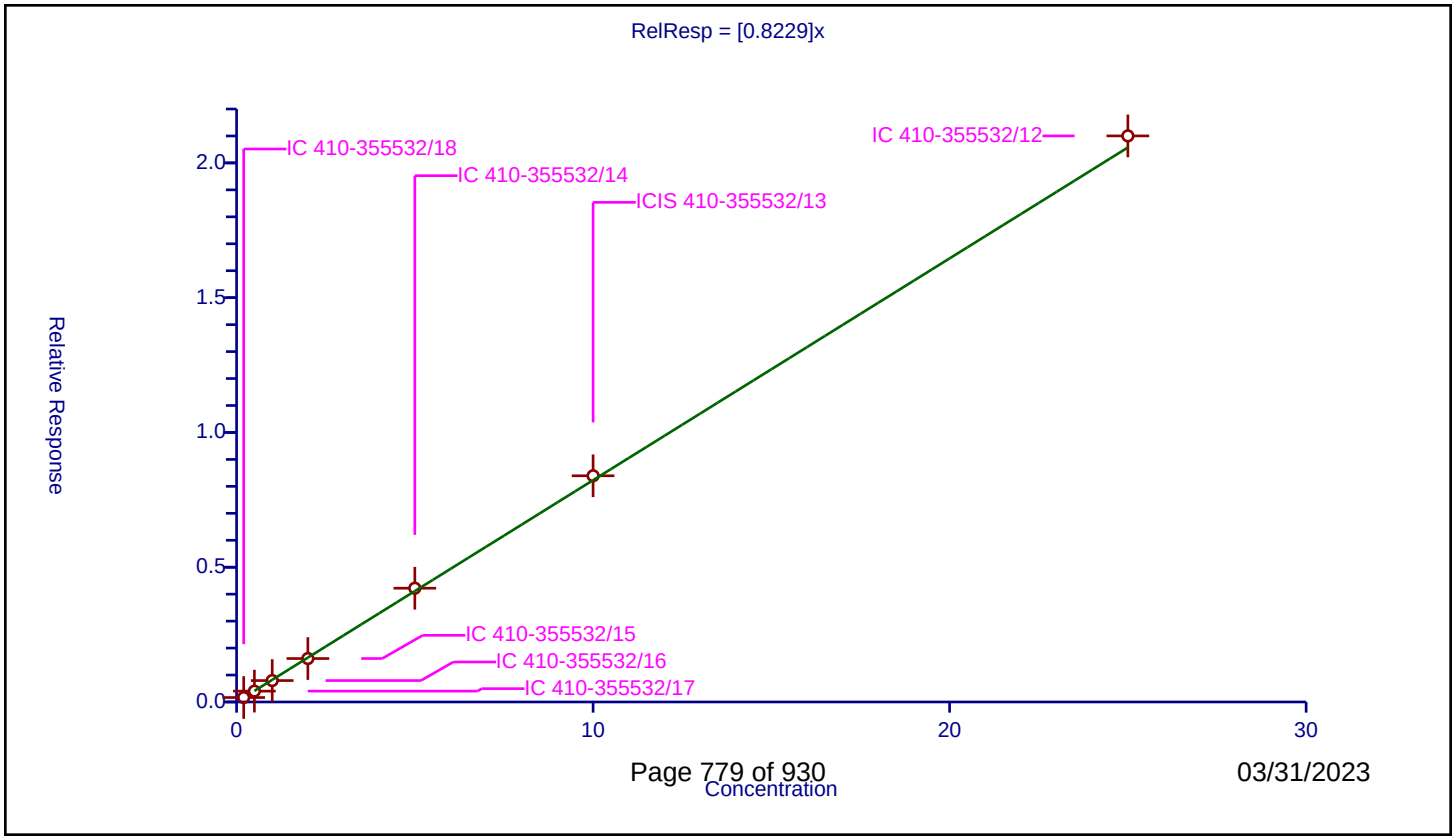
Curve Coefficients

Intercept:	0
Slope:	0.8229

Error Coefficients

Standard Error:	1160000
Relative Standard Error:	2.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.165721	10.0	1096665.0	0.828603	Y
2	IC 410-355532/17	0.5	0.403274	10.0	1099896.0	0.806549	Y
3	IC 410-355532/16	1.0	0.795097	10.0	1128630.0	0.795097	Y
4	IC 410-355532/15	2.0	1.612635	10.0	1126529.0	0.806317	Y
5	IC 410-355532/14	5.0	4.221349	10.0	1162953.0	0.84427	Y
6	ICIS 410-355532/13	10.0	8.392168	10.0	1169233.0	0.839217	Y
7	IC 410-355532/12	25.0	21.002829	10.0	1240232.0	0.840113	Y



03/31/2023

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

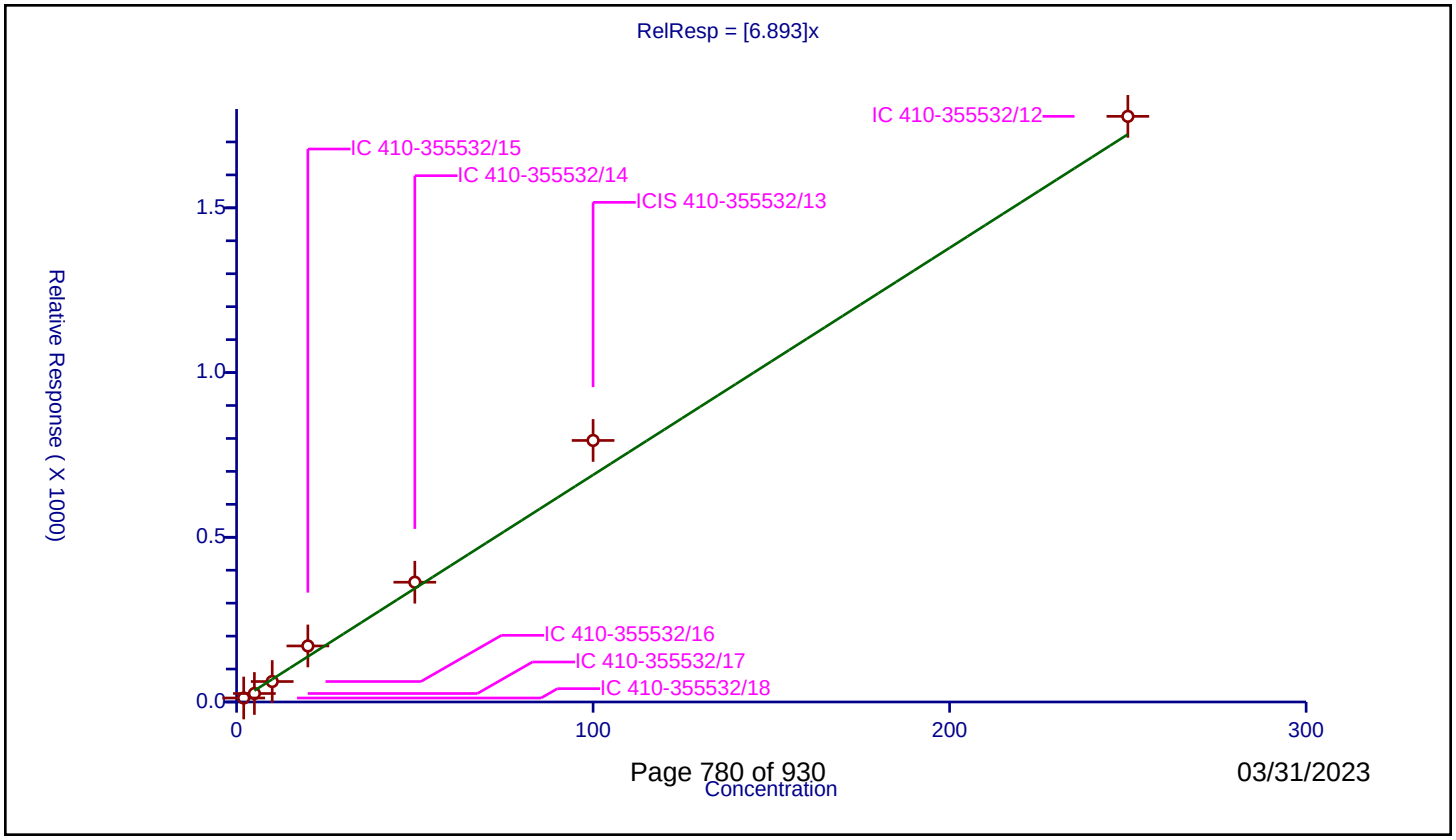
Curve Coefficients

Intercept:	0
Slope:	6.893

Error Coefficients

Standard Error:	2230000
Relative Standard Error:	16.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	2.0	12.106449	50.0	126445.0	6.053225	Y
2	IC 410-355532/17	5.0	25.770073	50.0	153492.0	5.154015	Y
3	IC 410-355532/16	10.0	62.135096	50.0	134008.0	6.21351	Y
4	IC 410-355532/15	20.0	170.116543	50.0	97646.0	8.505827	Y
5	IC 410-355532/14	50.0	363.587976	50.0	125221.0	7.27176	Y
6	ICIS 410-355532/13	100.0	793.935811	50.0	120956.0	7.939358	Y
7	IC 410-355532/12	250.0	1777.712273	50.0	141127.0	7.110849	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

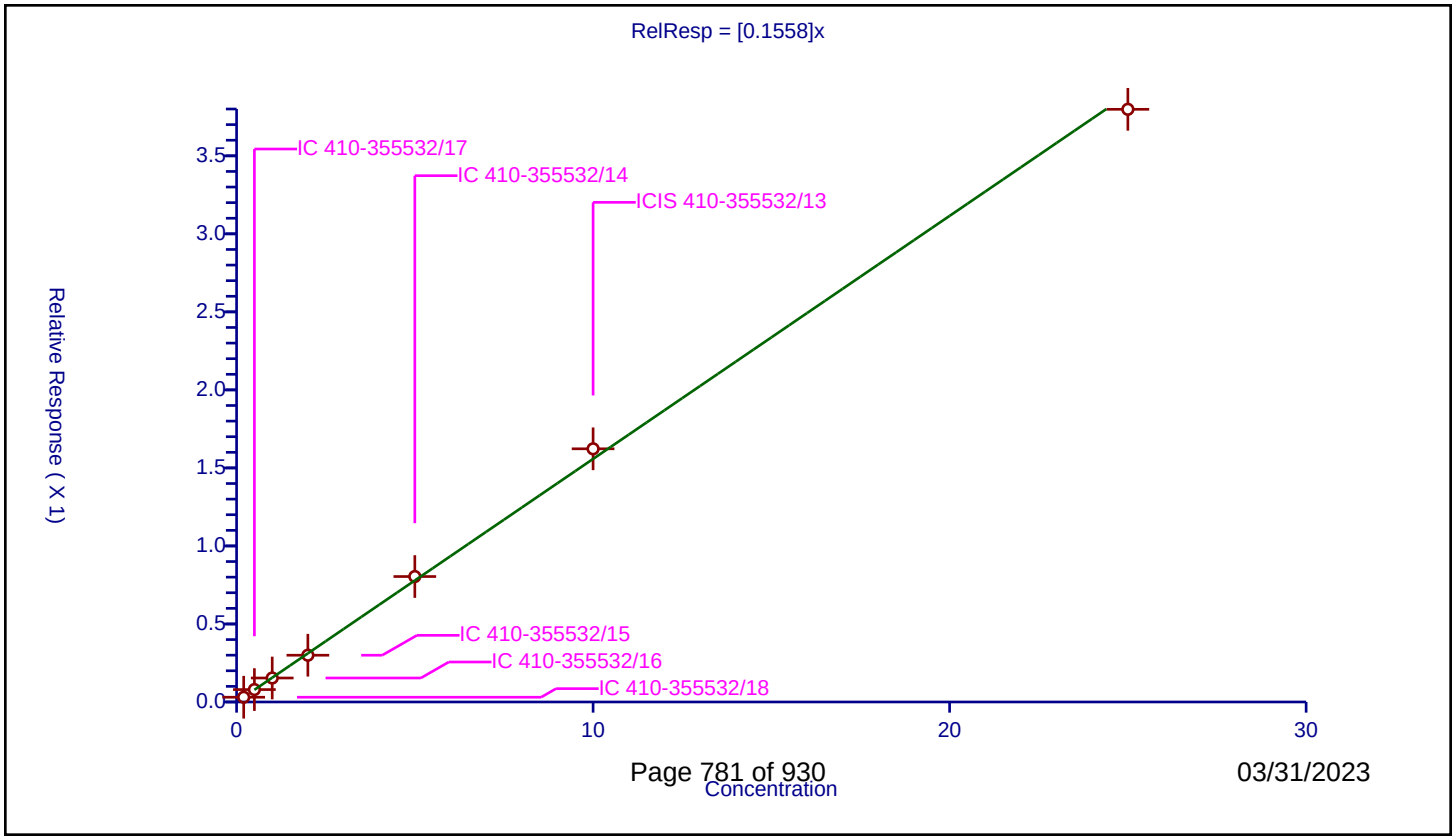
Curve Coefficients

Intercept:	0
Slope:	0.1558

Error Coefficients

Standard Error:	211000
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 410-355532/18	0.2	0.030556	10.0	1096665.0	0.152781	Y
2	IC 410-355532/17	0.5	0.079471	10.0	1099896.0	0.158942	Y
3	IC 410-355532/16	1.0	0.153753	10.0	1128630.0	0.153753	Y
4	IC 410-355532/15	2.0	0.299717	10.0	1126529.0	0.149859	Y
5	IC 410-355532/14	5.0	0.803988	10.0	1162953.0	0.160798	Y
6	ICIS 410-355532/13	10.0	1.622431	10.0	1169233.0	0.162243	Y
7	IC 410-355532/12	25.0	3.798185	10.0	1240232.0	0.151927	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

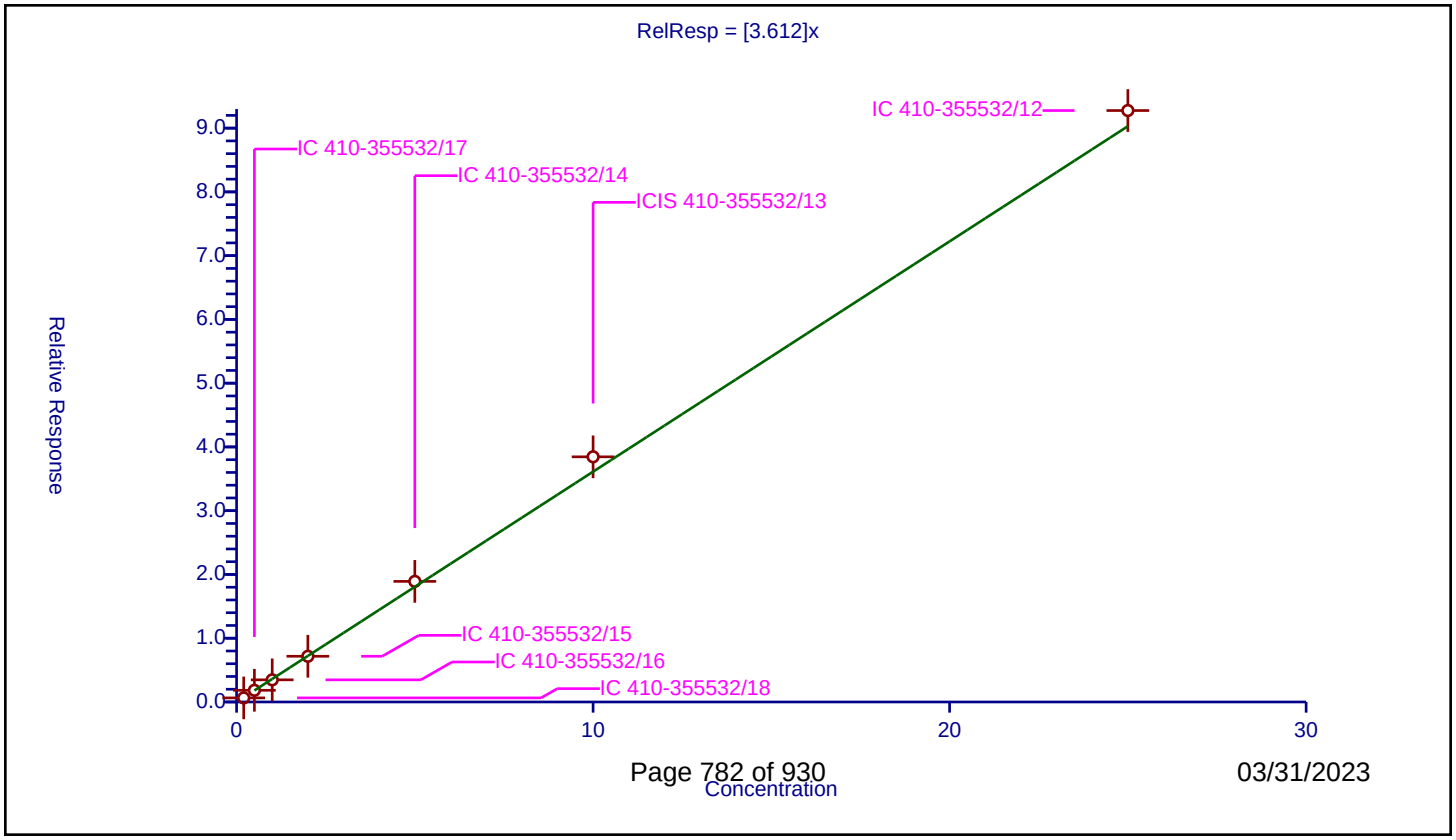
Curve Coefficients

Intercept:	0
Slope:	3.612

Error Coefficients

Standard Error:	5140000
Relative Standard Error:	5.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.643916	10.0	1096665.0	3.219579	Y
2	IC 410-355532/17	0.5	1.832564	10.0	1099896.0	3.665128	Y
3	IC 410-355532/16	1.0	3.475187	10.0	1128630.0	3.475187	Y
4	IC 410-355532/15	2.0	7.170344	10.0	1126529.0	3.585172	Y
5	IC 410-355532/14	5.0	18.915494	10.0	1162953.0	3.783099	Y
6	ICIS 410-355532/13	10.0	38.45125	10.0	1169233.0	3.845125	Y
7	IC 410-355532/12	25.0	92.762483	10.0	1240232.0	3.710499	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

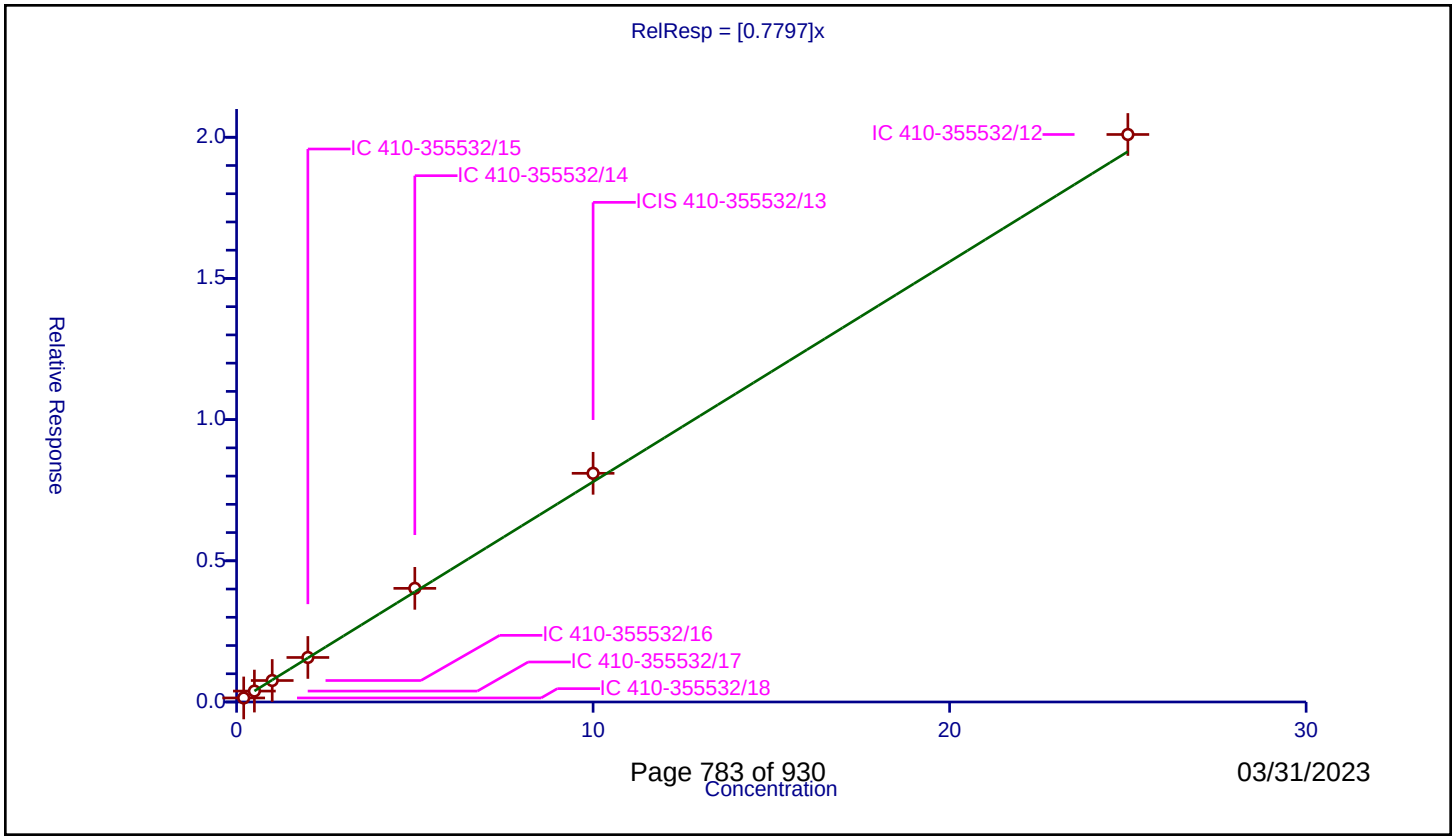
Curve Coefficients

Intercept:	0
Slope:	0.7797

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.143508	10.0	1096665.0	0.717539	Y
2	IC 410-355532/17	0.5	0.386509	10.0	1099896.0	0.773019	Y
3	IC 410-355532/16	1.0	0.76071	10.0	1128630.0	0.76071	Y
4	IC 410-355532/15	2.0	1.576417	10.0	1126529.0	0.788209	Y
5	IC 410-355532/14	5.0	4.024084	10.0	1162953.0	0.804817	Y
6	ICIS 410-355532/13	10.0	8.098446	10.0	1169233.0	0.809845	Y
7	IC 410-355532/12	25.0	20.097933	10.0	1240232.0	0.803917	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

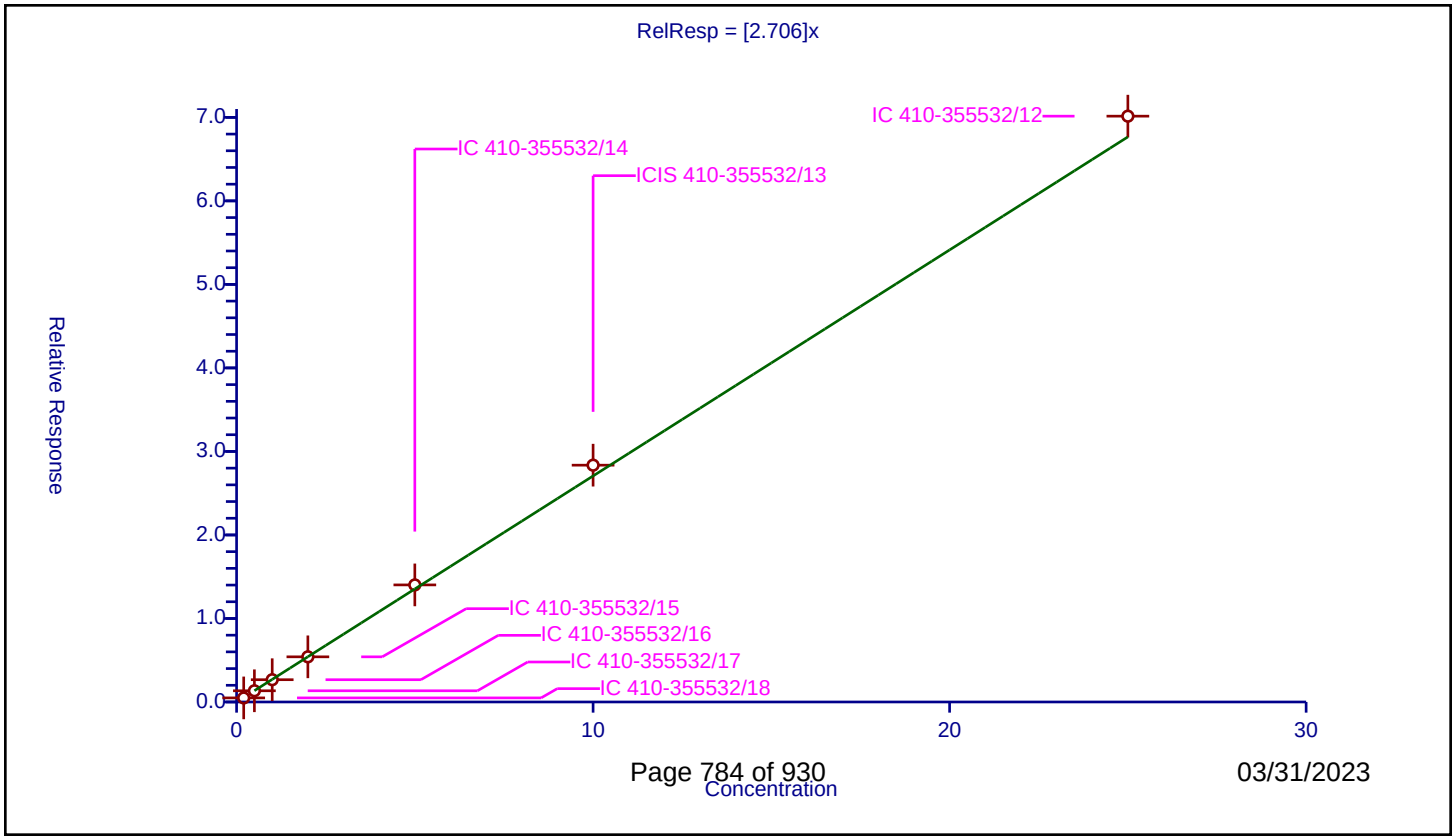
Curve Coefficients

Intercept:	0
Slope:	2.706

Error Coefficients

Standard Error:	3870000
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 410-355532/18	0.2	0.488499	10.0	1096665.0	2.442496	Y
2	IC 410-355532/17	0.5	1.342145	10.0	1099896.0	2.68429	Y
3	IC 410-355532/16	1.0	2.669218	10.0	1128630.0	2.669218	Y
4	IC 410-355532/15	2.0	5.407087	10.0	1126529.0	2.703543	Y
5	IC 410-355532/14	5.0	14.017686	10.0	1162953.0	2.803537	Y
6	ICIS 410-355532/13	10.0	28.356059	10.0	1169233.0	2.835606	Y
7	IC 410-355532/12	25.0	70.144513	10.0	1240232.0	2.805781	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

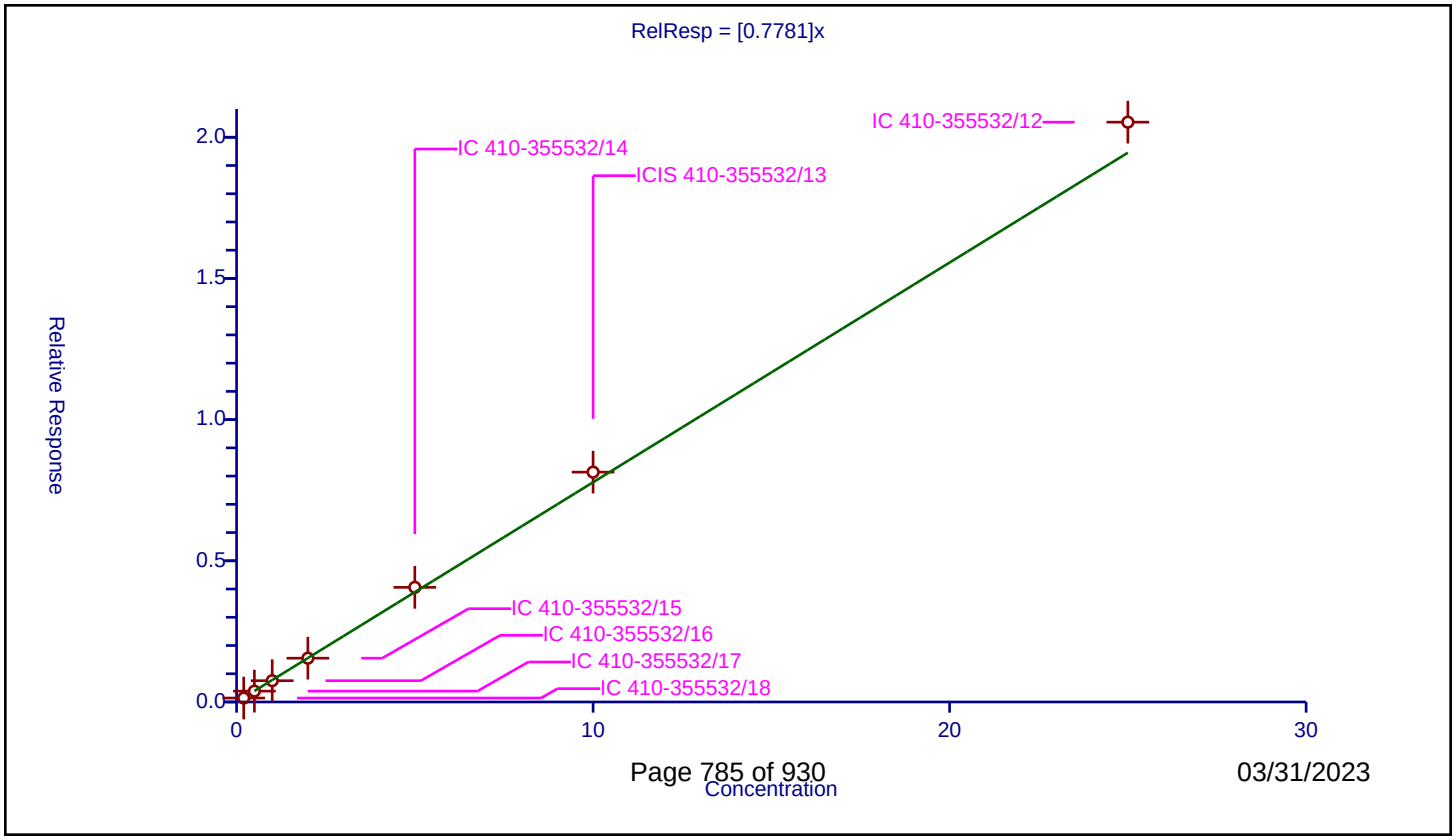
Curve Coefficients

Intercept:	0
Slope:	0.7781

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	5.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.140125	10.0	1096665.0	0.700624	Y
2	IC 410-355532/17	0.5	0.3846	10.0	1099896.0	0.7692	Y
3	IC 410-355532/16	1.0	0.753648	10.0	1128630.0	0.753648	Y
4	IC 410-355532/15	2.0	1.551571	10.0	1126529.0	0.775786	Y
5	IC 410-355532/14	5.0	4.059898	10.0	1162953.0	0.81198	Y
6	ICIS 410-355532/13	10.0	8.140567	10.0	1169233.0	0.814057	Y
7	IC 410-355532/12	25.0	20.53469	10.0	1240232.0	0.821388	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

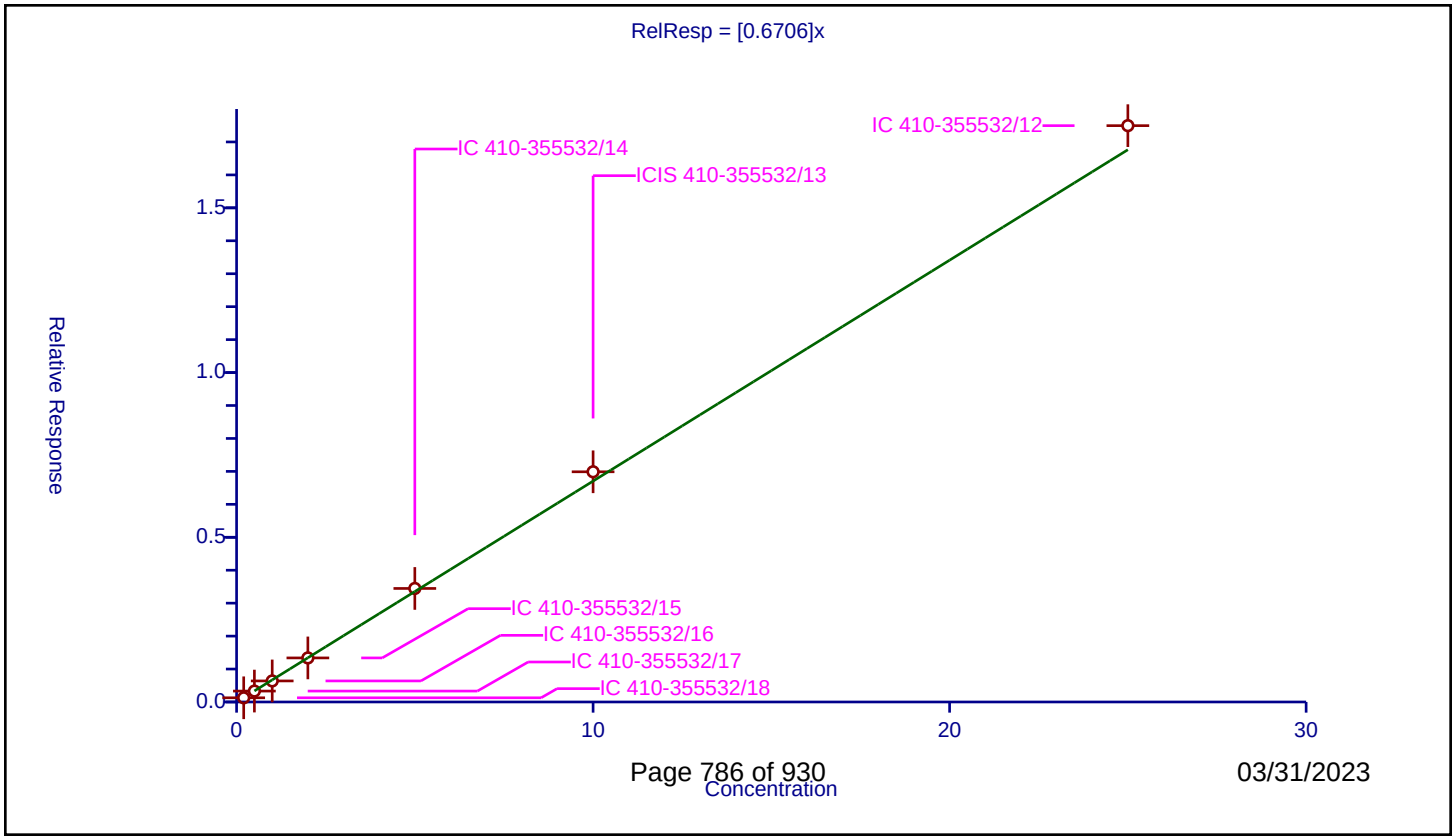
Curve Coefficients

Intercept:	0
Slope:	0.6706

Error Coefficients

Standard Error:	963000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.127213	10.0	1096665.0	0.636065	Y
2	IC 410-355532/17	0.5	0.331277	10.0	1099896.0	0.662554	Y
3	IC 410-355532/16	1.0	0.638766	10.0	1128630.0	0.638766	Y
4	IC 410-355532/15	2.0	1.337294	10.0	1126529.0	0.668647	Y
5	IC 410-355532/14	5.0	3.446674	10.0	1162953.0	0.689335	Y
6	ICIS 410-355532/13	10.0	6.988068	10.0	1169233.0	0.698807	Y
7	IC 410-355532/12	25.0	17.495194	10.0	1240232.0	0.699808	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

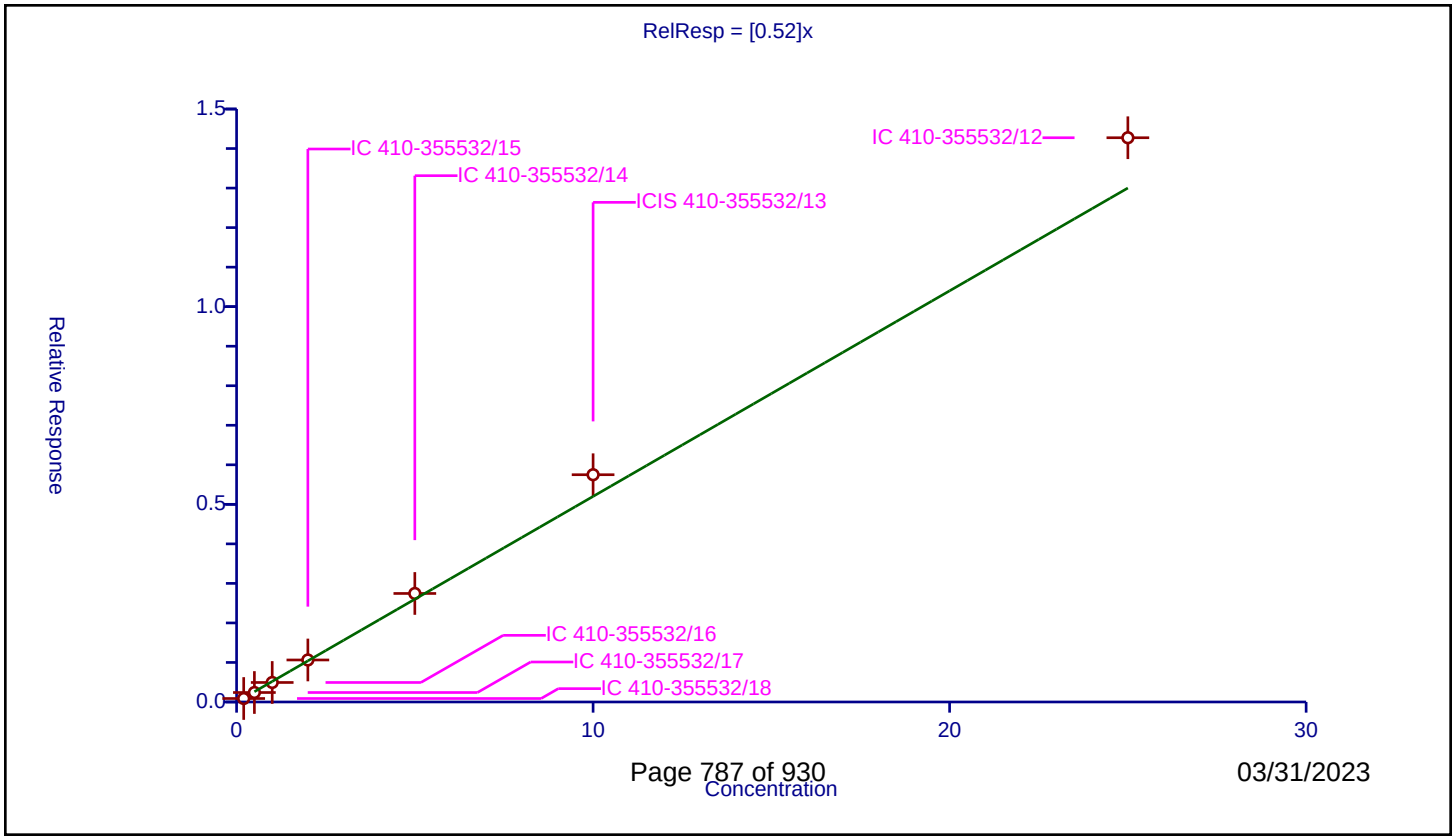
Curve Coefficients

Intercept:	0
Slope:	0.52

Error Coefficients

Standard Error:	786000
Relative Standard Error:	9.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.088167	10.0	1096665.0	0.440837	Y
2	IC 410-355532/17	0.5	0.239986	10.0	1099896.0	0.479973	Y
3	IC 410-355532/16	1.0	0.493288	10.0	1128630.0	0.493288	Y
4	IC 410-355532/15	2.0	1.06284	10.0	1126529.0	0.53142	Y
5	IC 410-355532/14	5.0	2.744874	10.0	1162953.0	0.548975	Y
6	ICIS 410-355532/13	10.0	5.749273	10.0	1169233.0	0.574927	Y
7	IC 410-355532/12	25.0	14.273241	10.0	1240232.0	0.57093	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

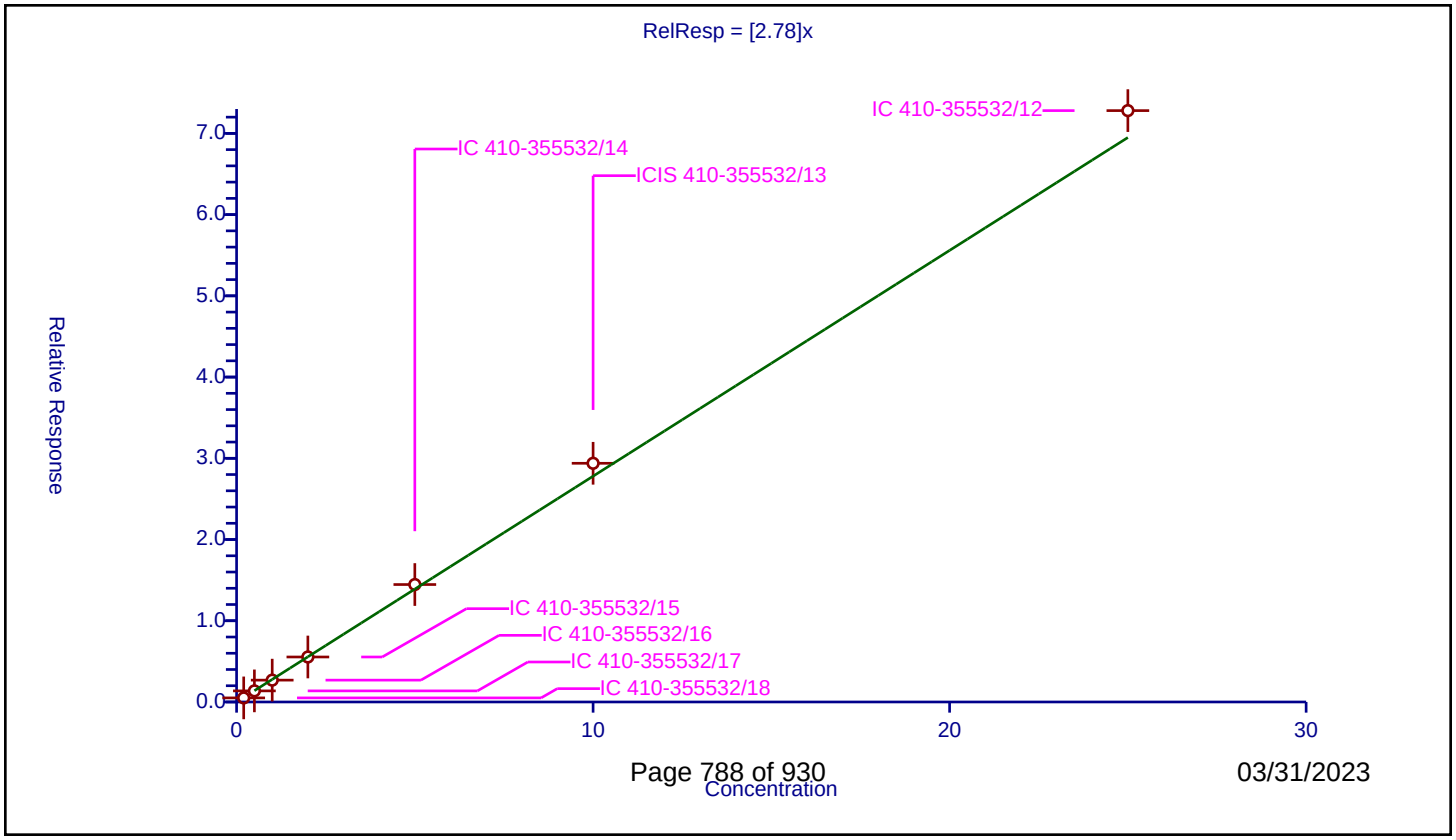
Curve Coefficients

Intercept:	0
Slope:	2.78

Error Coefficients

Standard Error:	4010000
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 410-355532/18	0.2	0.503645	10.0	1096665.0	2.518226	Y
2	IC 410-355532/17	0.5	1.368584	10.0	1099896.0	2.737168	Y
3	IC 410-355532/16	1.0	2.689517	10.0	1128630.0	2.689517	Y
4	IC 410-355532/15	2.0	5.540044	10.0	1126529.0	2.770022	Y
5	IC 410-355532/14	5.0	14.460008	10.0	1162953.0	2.892002	Y
6	ICIS 410-355532/13	10.0	29.386572	10.0	1169233.0	2.938657	Y
7	IC 410-355532/12	25.0	72.803185	10.0	1240232.0	2.912127	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

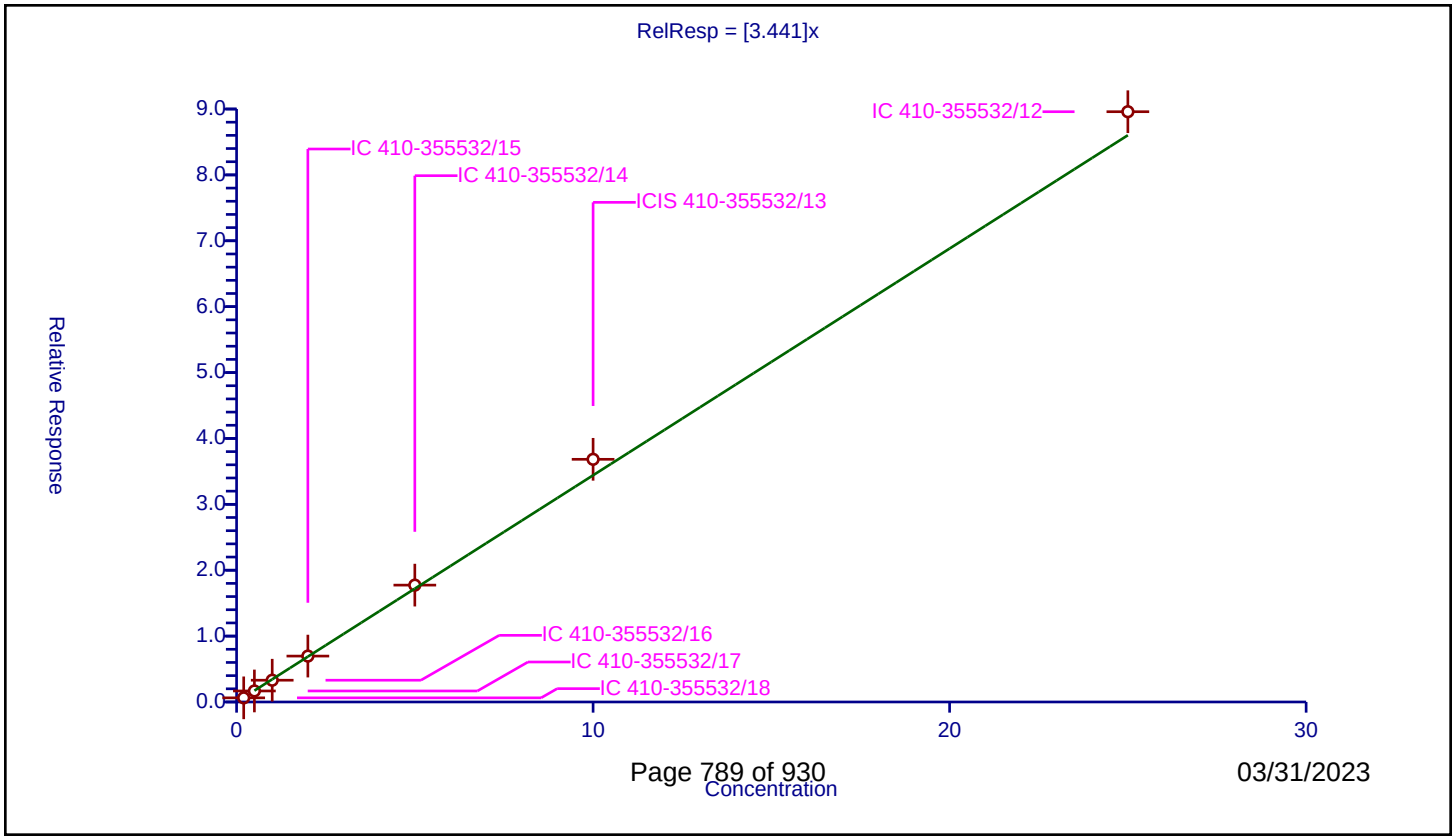
Curve Coefficients

Intercept:	0
Slope:	3.441

Error Coefficients

Standard Error:	4950000
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 410-355532/18	0.2	0.627767	10.0	1096665.0	3.138835	Y
2	IC 410-355532/17	0.5	1.672194	10.0	1099896.0	3.344389	Y
3	IC 410-355532/16	1.0	3.304449	10.0	1128630.0	3.304449	Y
4	IC 410-355532/15	2.0	6.968831	10.0	1126529.0	3.484415	Y
5	IC 410-355532/14	5.0	17.737845	10.0	1162953.0	3.547569	Y
6	ICIS 410-355532/13	10.0	36.832522	10.0	1169233.0	3.683252	Y
7	IC 410-355532/12	25.0	89.59081	10.0	1240232.0	3.583632	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

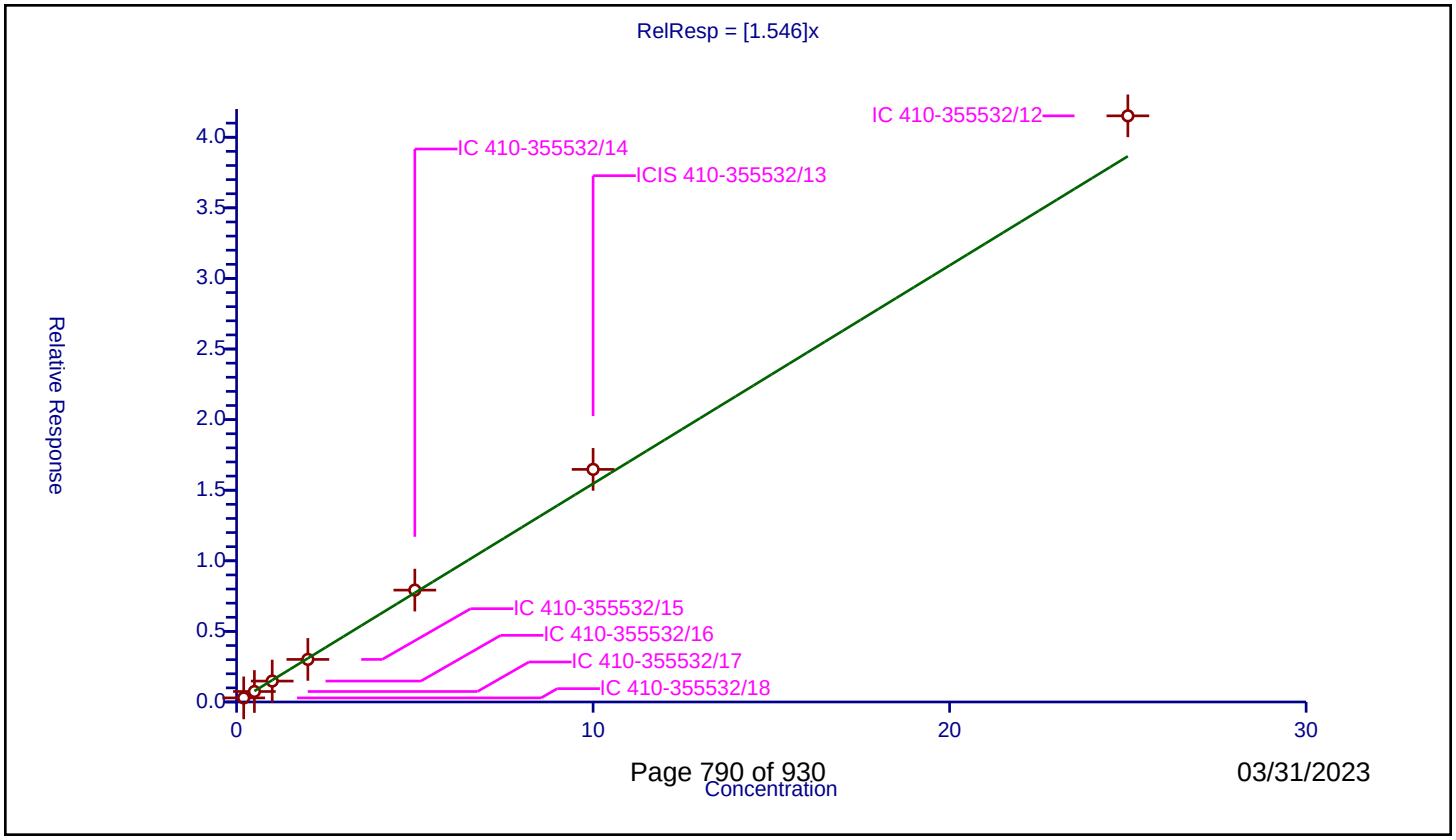
Curve Coefficients

Intercept:	0
Slope:	1.546

Error Coefficients

Standard Error:	2280000
Relative Standard Error:	5.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.290809	10.0	1096665.0	1.454045	Y
2	IC 410-355532/17	0.5	0.743516	10.0	1099896.0	1.487032	Y
3	IC 410-355532/16	1.0	1.481043	10.0	1128630.0	1.481043	Y
4	IC 410-355532/15	2.0	3.016132	10.0	1126529.0	1.508066	Y
5	IC 410-355532/14	5.0	7.924568	10.0	1162953.0	1.584914	Y
6	ICIS 410-355532/13	10.0	16.474783	10.0	1169233.0	1.647478	Y
7	IC 410-355532/12	25.0	41.516353	10.0	1240232.0	1.660654	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

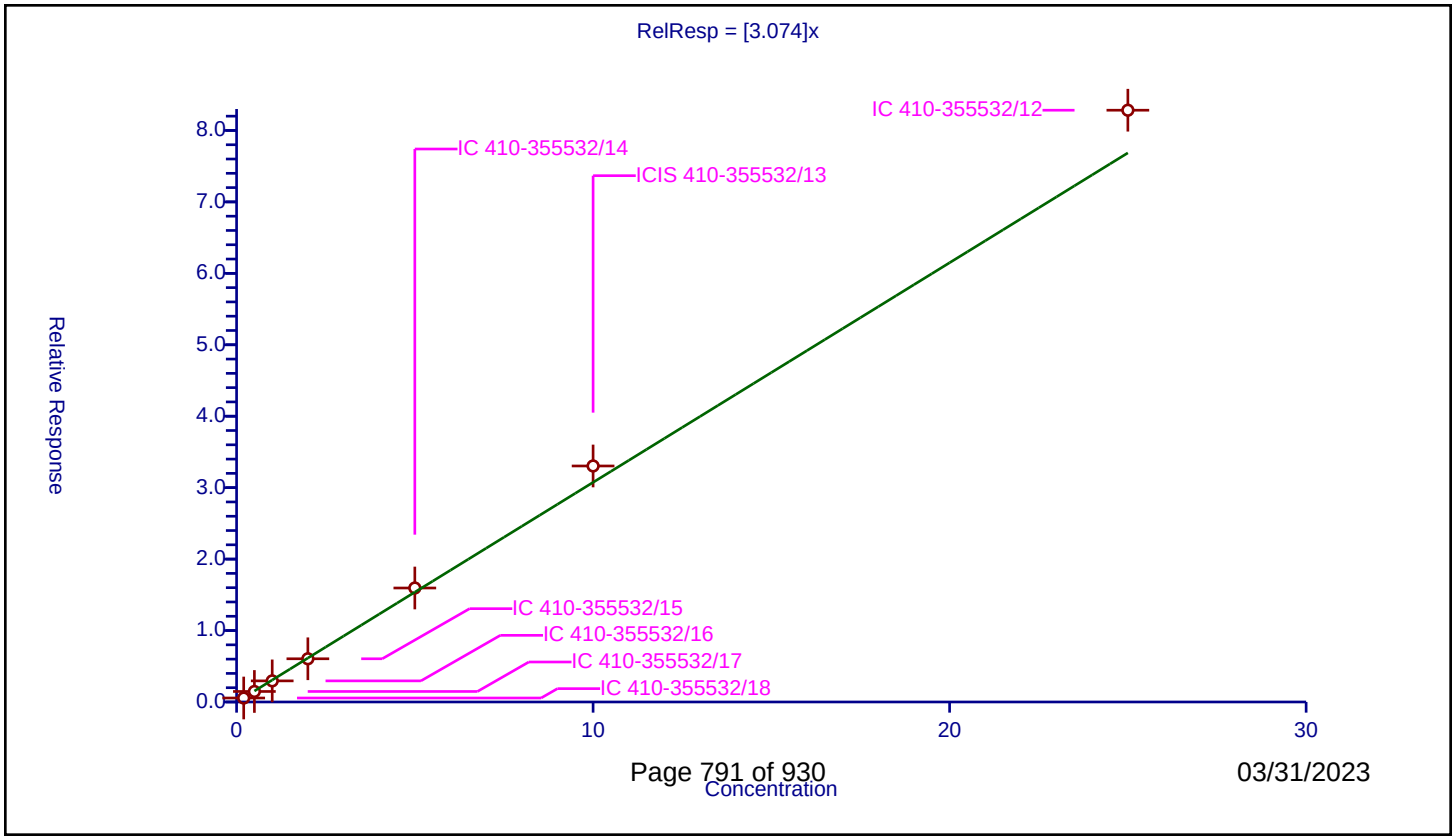
Curve Coefficients

Intercept:	0
Slope:	3.074

Error Coefficients

Standard Error:	4560000
Relative Standard Error:	6.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.55729	10.0	1096665.0	2.786448	Y
2	IC 410-355532/17	0.5	1.473748	10.0	1099896.0	2.947497	Y
3	IC 410-355532/16	1.0	2.953705	10.0	1128630.0	2.953705	Y
4	IC 410-355532/15	2.0	6.047408	10.0	1126529.0	3.023704	Y
5	IC 410-355532/14	5.0	15.955271	10.0	1162953.0	3.191054	Y
6	ICIS 410-355532/13	10.0	33.035486	10.0	1169233.0	3.303549	Y
7	IC 410-355532/12	25.0	82.832075	10.0	1240232.0	3.313283	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

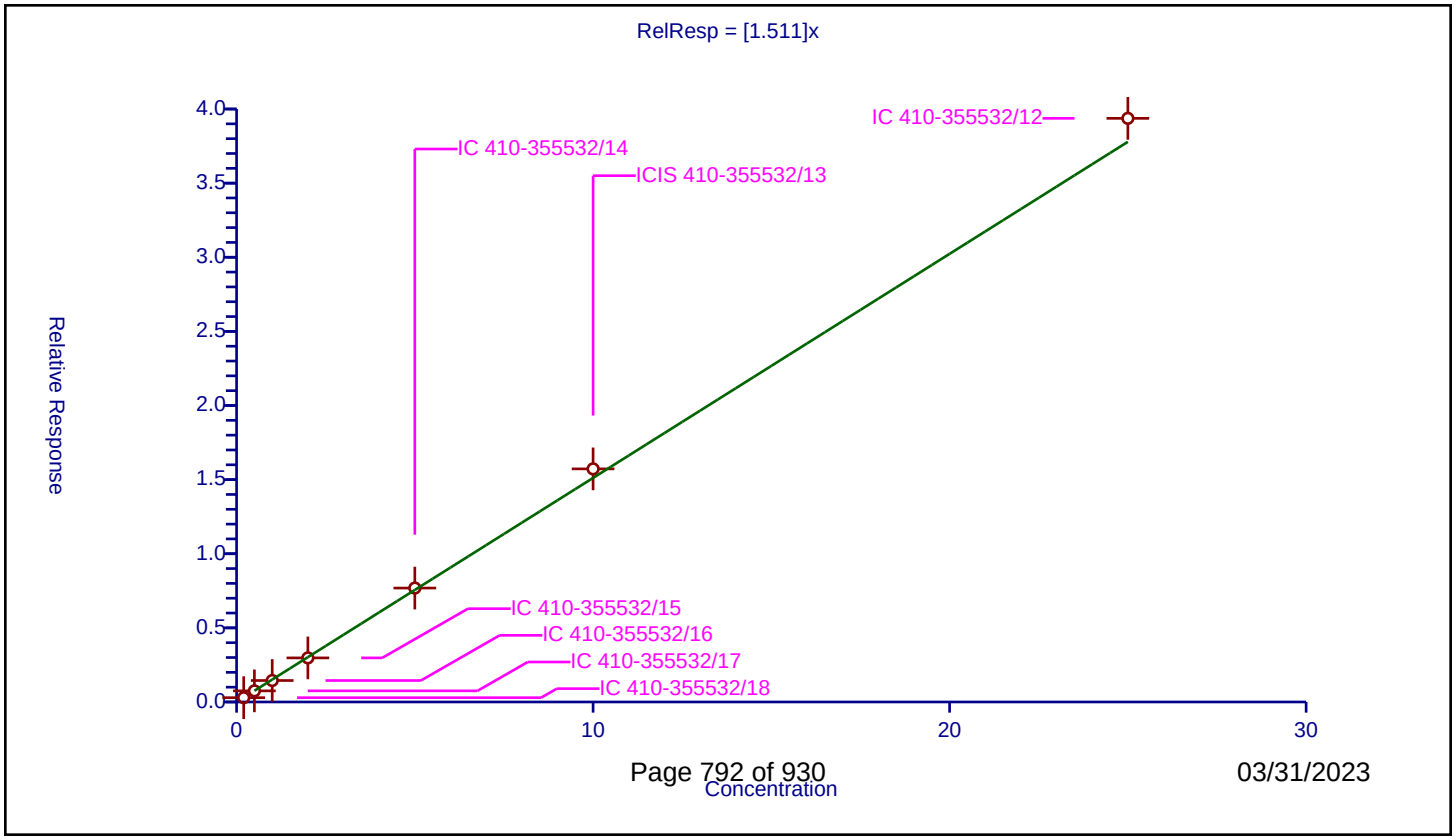
Curve Coefficients

Intercept:	0
Slope:	1.511

Error Coefficients

Standard Error:	2170000
Relative Standard Error:	3.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.291393	10.0	1096665.0	1.456963	Y
2	IC 410-355532/17	0.5	0.75118	10.0	1099896.0	1.50236	Y
3	IC 410-355532/16	1.0	1.449456	10.0	1128630.0	1.449456	Y
4	IC 410-355532/15	2.0	2.97481	10.0	1126529.0	1.487405	Y
5	IC 410-355532/14	5.0	7.684833	10.0	1162953.0	1.536967	Y
6	ICIS 410-355532/13	10.0	15.724992	10.0	1169233.0	1.572499	Y
7	IC 410-355532/12	25.0	39.371093	10.0	1240232.0	1.574844	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

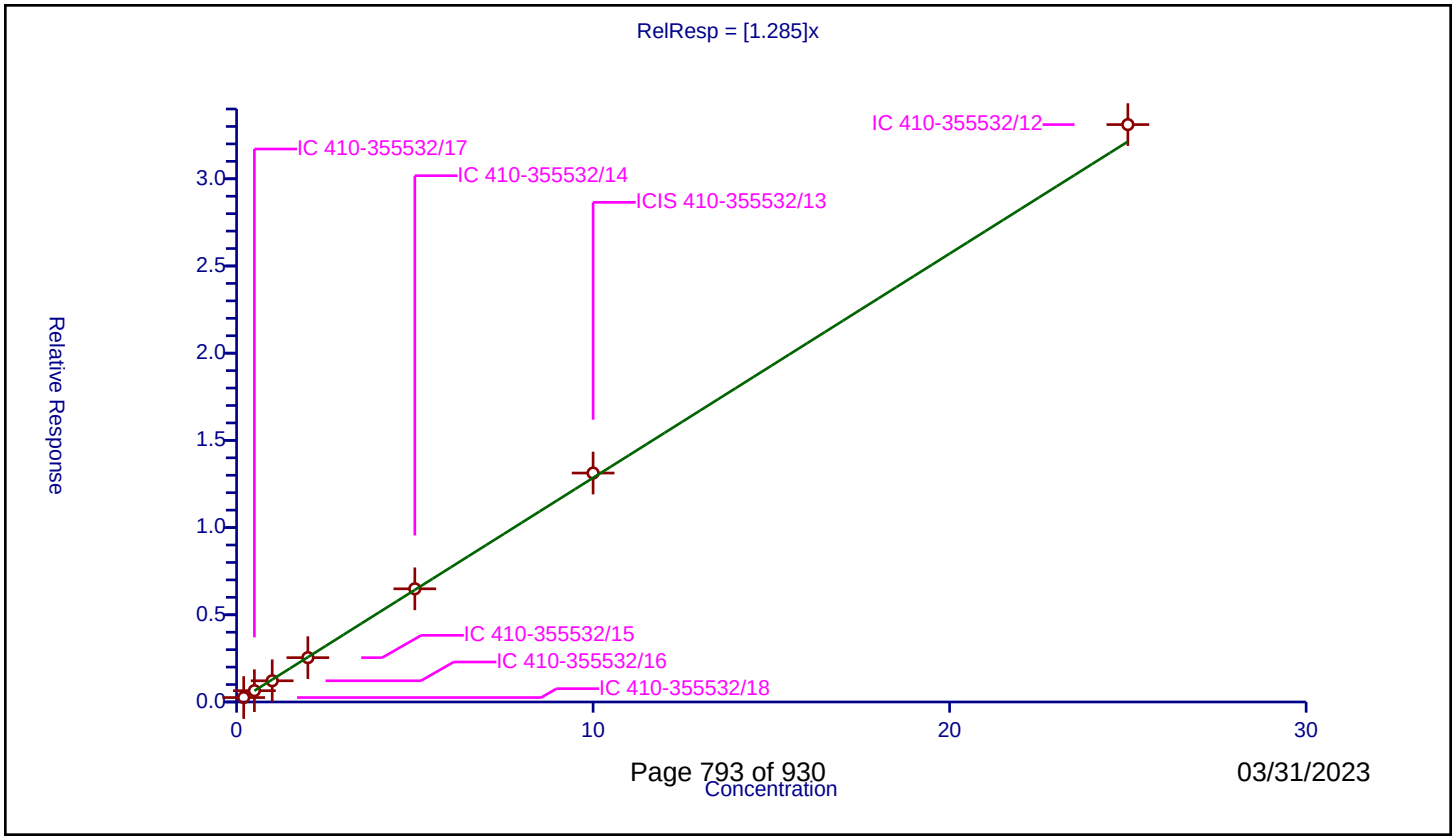
Curve Coefficients

Intercept:	0
Slope:	1.285

Error Coefficients

Standard Error:	1820000
Relative Standard Error:	2.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.255301	10.0	1096665.0	1.276506	Y
2	IC 410-355532/17	0.5	0.64958	10.0	1099896.0	1.299159	Y
3	IC 410-355532/16	1.0	1.21589	10.0	1128630.0	1.21589	Y
4	IC 410-355532/15	2.0	2.541639	10.0	1126529.0	1.270819	Y
5	IC 410-355532/14	5.0	6.490013	10.0	1162953.0	1.298003	Y
6	ICIS 410-355532/13	10.0	13.127589	10.0	1169233.0	1.312759	Y
7	IC 410-355532/12	25.0	33.10629	10.0	1240232.0	1.324252	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

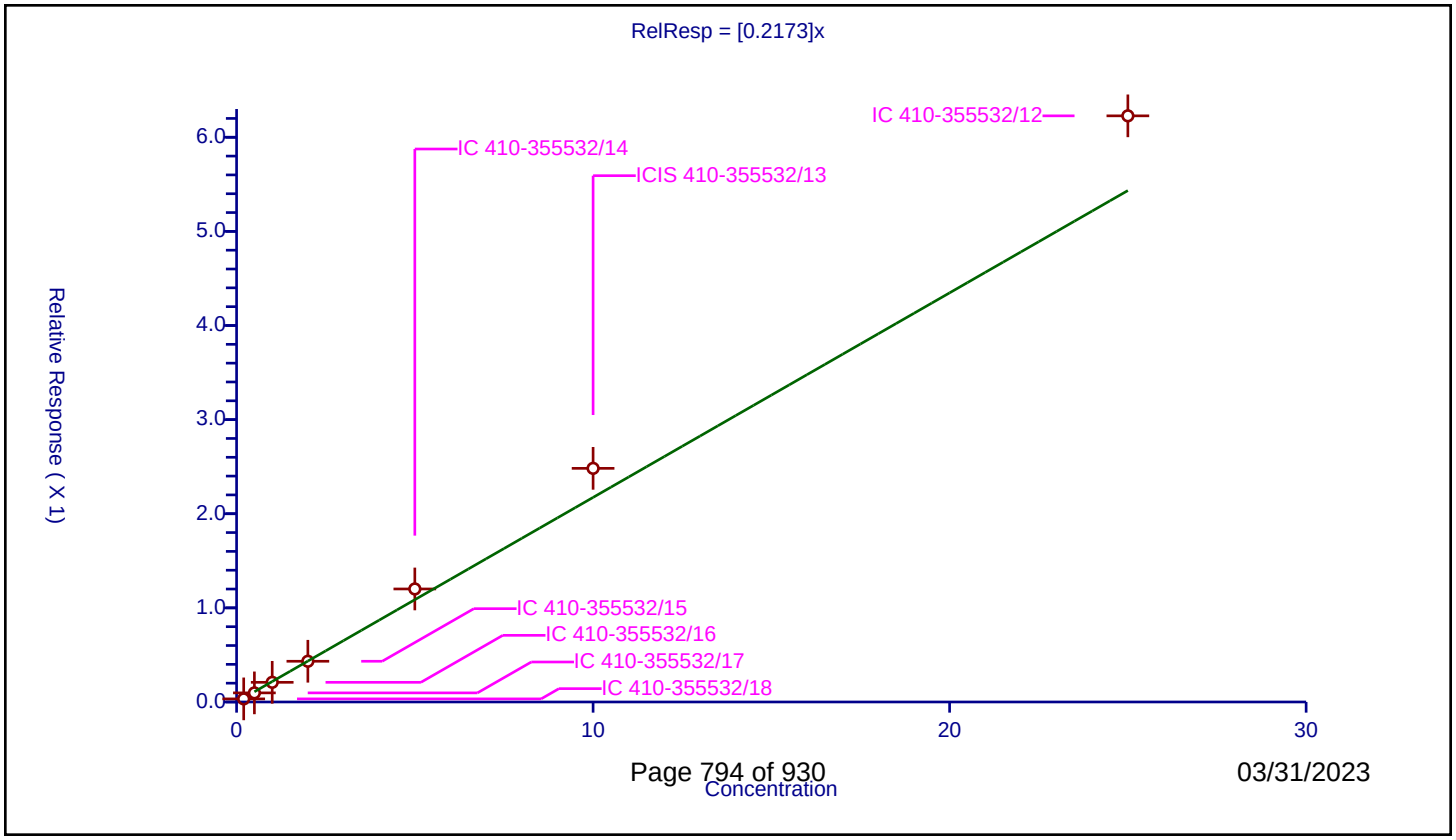
Curve Coefficients

Intercept:	0
Slope:	0.2173

Error Coefficients

Standard Error:	342000
Relative Standard Error:	14.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.032936	10.0	1096665.0	0.164681	Y
2	IC 410-355532/17	0.5	0.096873	10.0	1099896.0	0.193746	Y
3	IC 410-355532/16	1.0	0.209059	10.0	1128630.0	0.209059	Y
4	IC 410-355532/15	2.0	0.432896	10.0	1126529.0	0.216448	Y
5	IC 410-355532/14	5.0	1.200874	10.0	1162953.0	0.240175	Y
6	ICIS 410-355532/13	10.0	2.482268	10.0	1169233.0	0.248227	Y
7	IC 410-355532/12	25.0	6.227359	10.0	1240232.0	0.249094	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

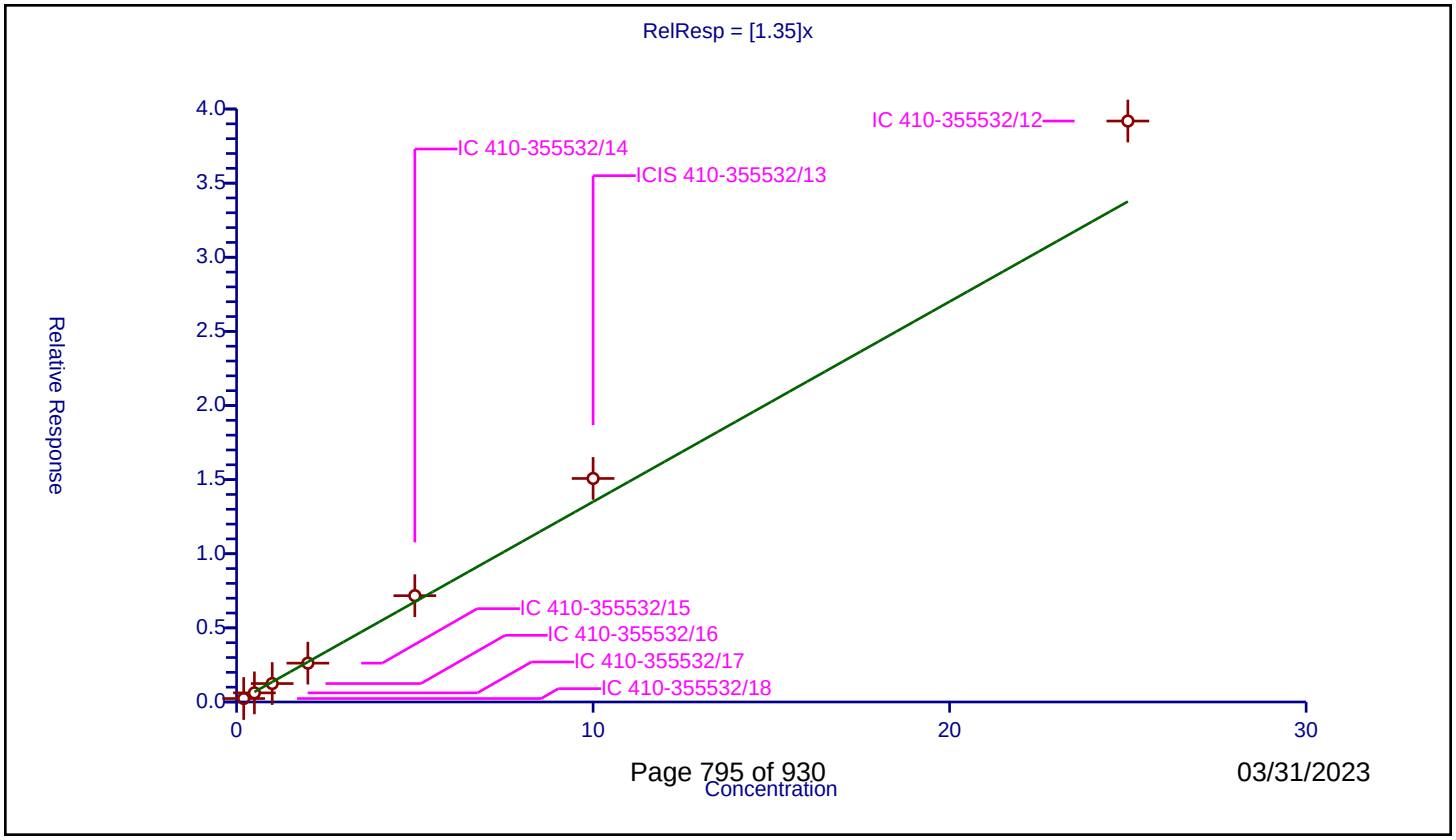
Curve Coefficients

Intercept:	0
Slope:	1.35

Error Coefficients

Standard Error:	2140000
Relative Standard Error:	11.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.232177	10.0	1096665.0	1.160883	Y
2	IC 410-355532/17	0.5	0.613922	10.0	1099896.0	1.227843	Y
3	IC 410-355532/16	1.0	1.244261	10.0	1128630.0	1.244261	Y
4	IC 410-355532/15	2.0	2.620758	10.0	1126529.0	1.310379	Y
5	IC 410-355532/14	5.0	7.171261	10.0	1162953.0	1.434252	Y
6	ICIS 410-355532/13	10.0	15.078004	10.0	1169233.0	1.5078	Y
7	IC 410-355532/12	25.0	39.189144	10.0	1240232.0	1.567566	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

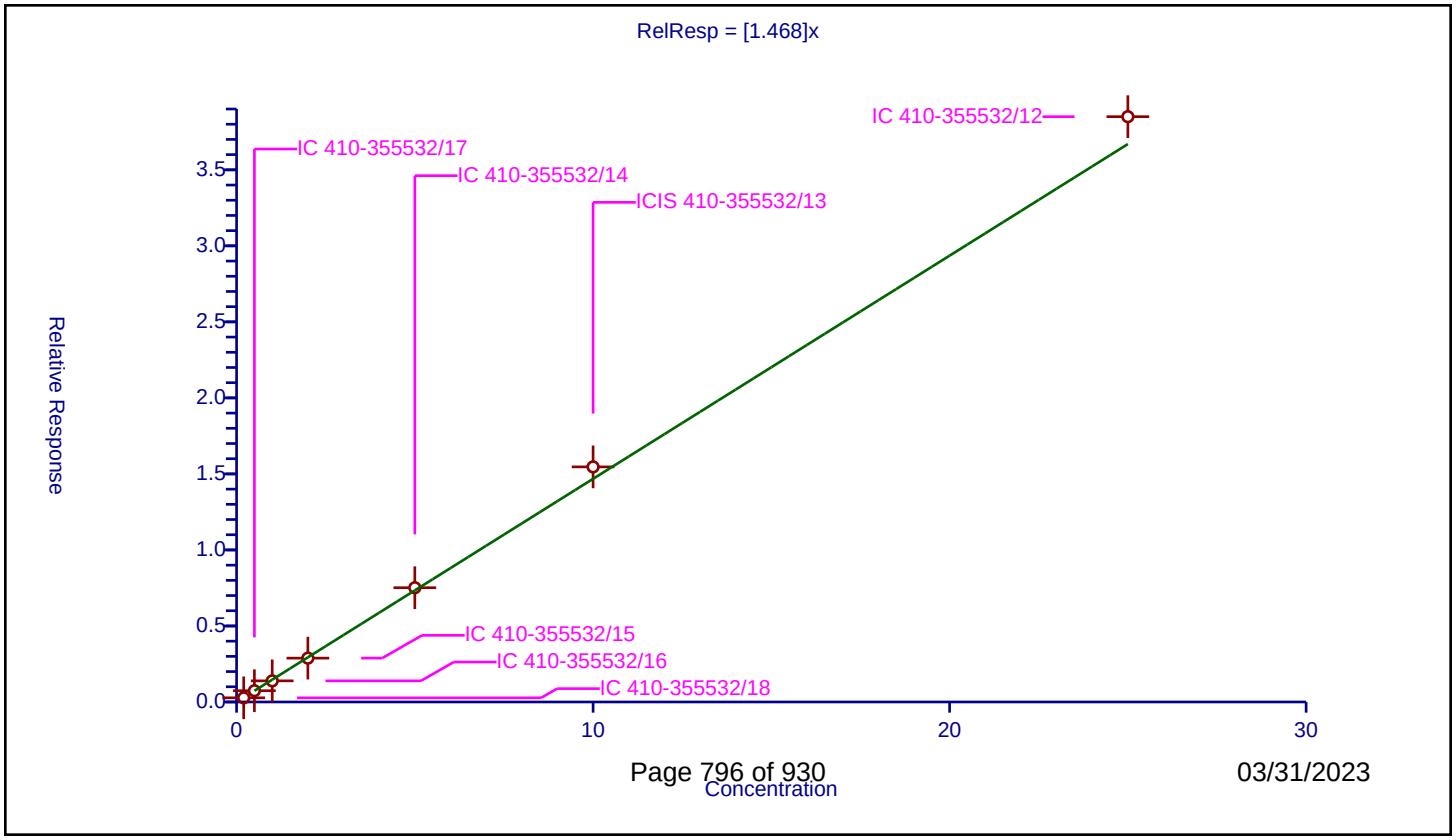
Curve Coefficients

Intercept:	0
Slope:	1.468

Error Coefficients

Standard Error:	2120000
Relative Standard Error:	4.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.274578	10.0	1096665.0	1.37289	Y
2	IC 410-355532/17	0.5	0.740743	10.0	1099896.0	1.481486	Y
3	IC 410-355532/16	1.0	1.389348	10.0	1128630.0	1.389348	Y
4	IC 410-355532/15	2.0	2.883388	10.0	1126529.0	1.441694	Y
5	IC 410-355532/14	5.0	7.515446	10.0	1162953.0	1.503089	Y
6	ICIS 410-355532/13	10.0	15.462324	10.0	1169233.0	1.546232	Y
7	IC 410-355532/12	25.0	38.496628	10.0	1240232.0	1.539865	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

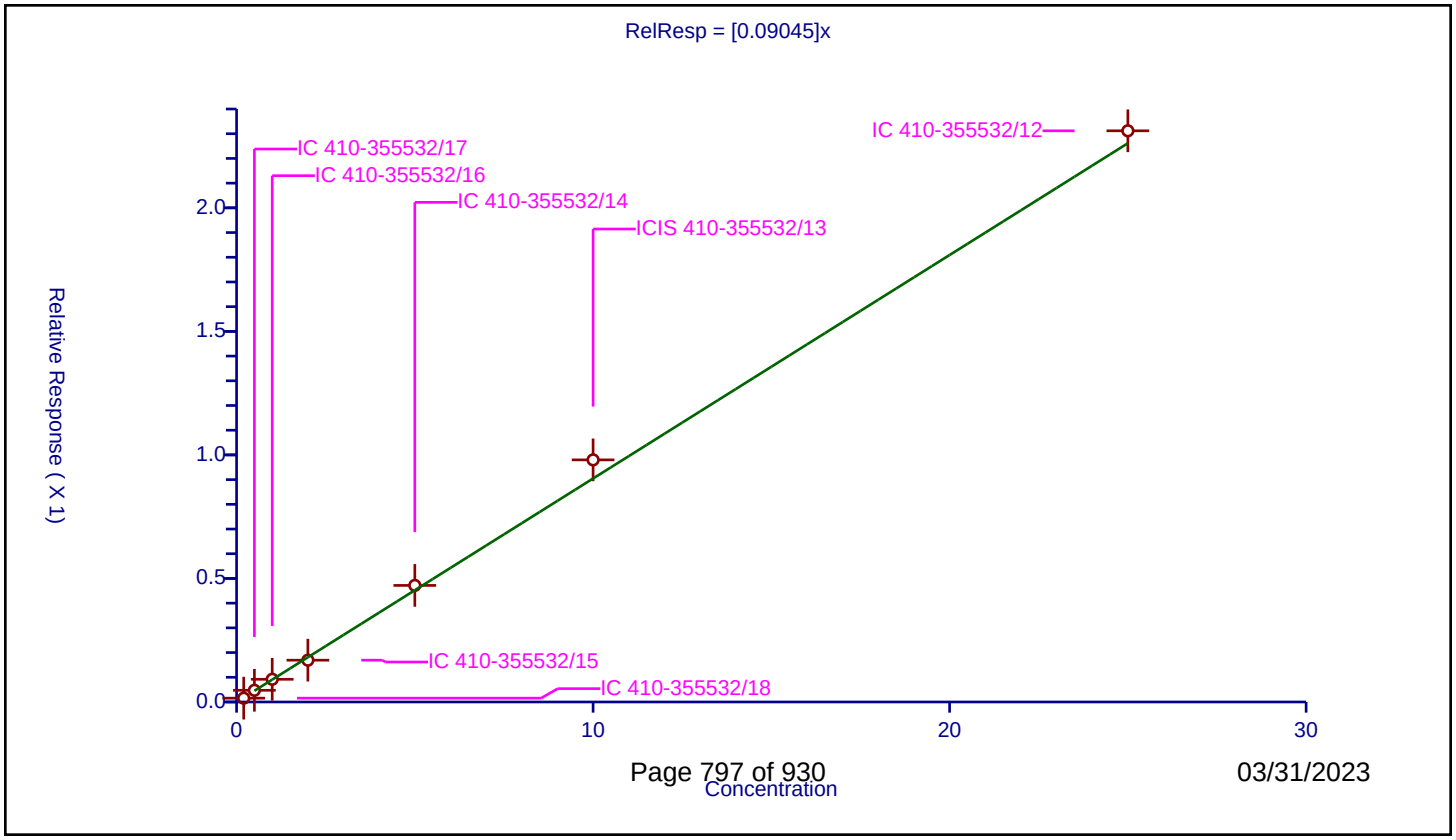
Curve Coefficients

Intercept:	0
Slope:	0.09045

Error Coefficients

Standard Error:	128000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.015456	10.0	1096665.0	0.07728	Y
2	IC 410-355532/17	0.5	0.047314	10.0	1099896.0	0.094627	Y
3	IC 410-355532/16	1.0	0.091872	10.0	1128630.0	0.091872	Y
4	IC 410-355532/15	2.0	0.16913	10.0	1126529.0	0.084565	Y
5	IC 410-355532/14	5.0	0.471868	10.0	1162953.0	0.094374	Y
6	ICIS 410-355532/13	10.0	0.979959	10.0	1169233.0	0.097996	Y
7	IC 410-355532/12	25.0	2.311769	10.0	1240232.0	0.092471	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

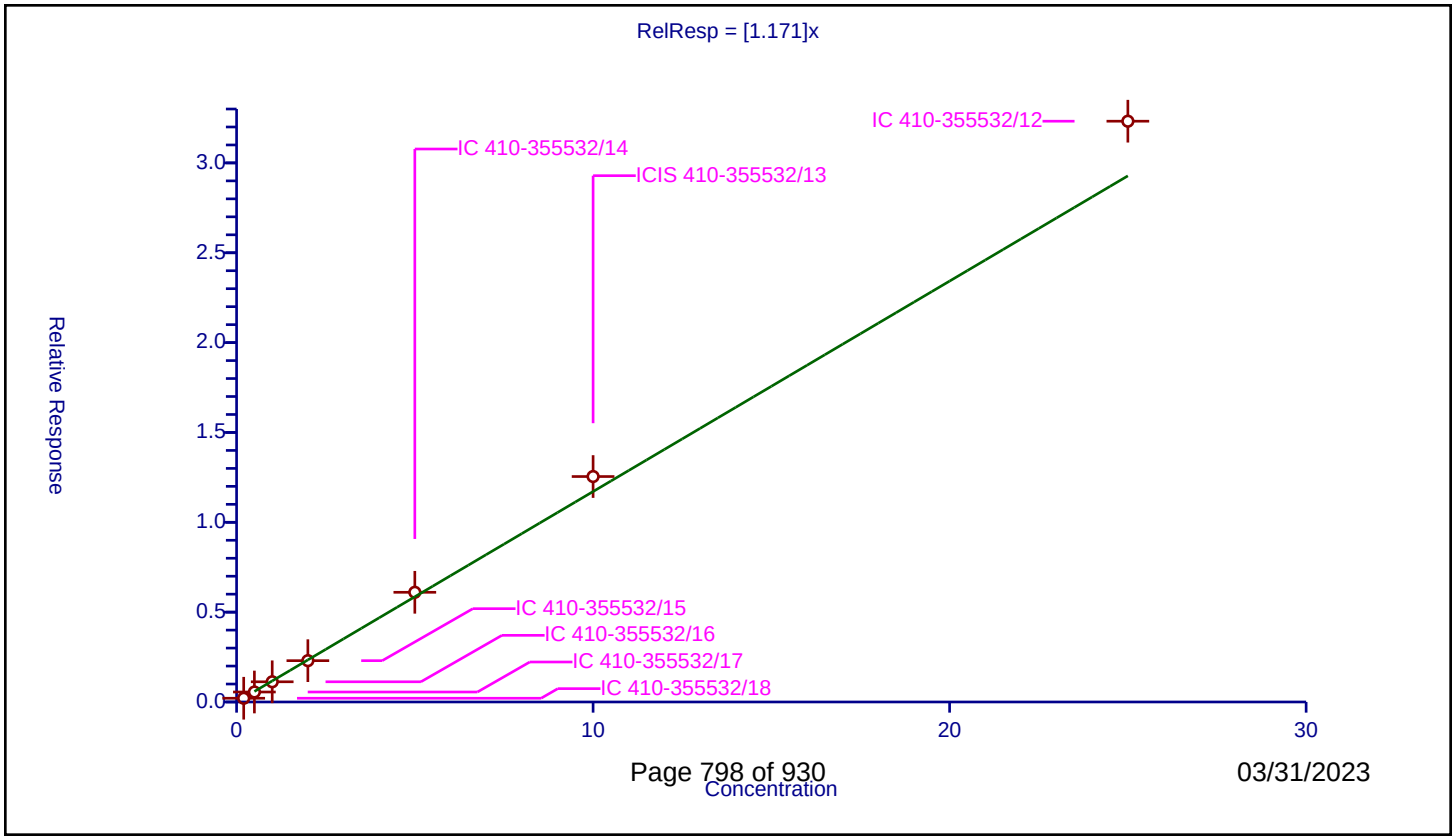
Curve Coefficients

Intercept:	0
Slope:	1.171

Error Coefficients

Standard Error:	1770000
Relative Standard Error:	7.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.209043	10.0	1096665.0	1.045214	Y
2	IC 410-355532/17	0.5	0.555589	10.0	1099896.0	1.111178	Y
3	IC 410-355532/16	1.0	1.123628	10.0	1128630.0	1.123628	Y
4	IC 410-355532/15	2.0	2.299559	10.0	1126529.0	1.14978	Y
5	IC 410-355532/14	5.0	6.104838	10.0	1162953.0	1.220968	Y
6	ICIS 410-355532/13	10.0	12.547046	10.0	1169233.0	1.254705	Y
7	IC 410-355532/12	25.0	32.321453	10.0	1240232.0	1.292858	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

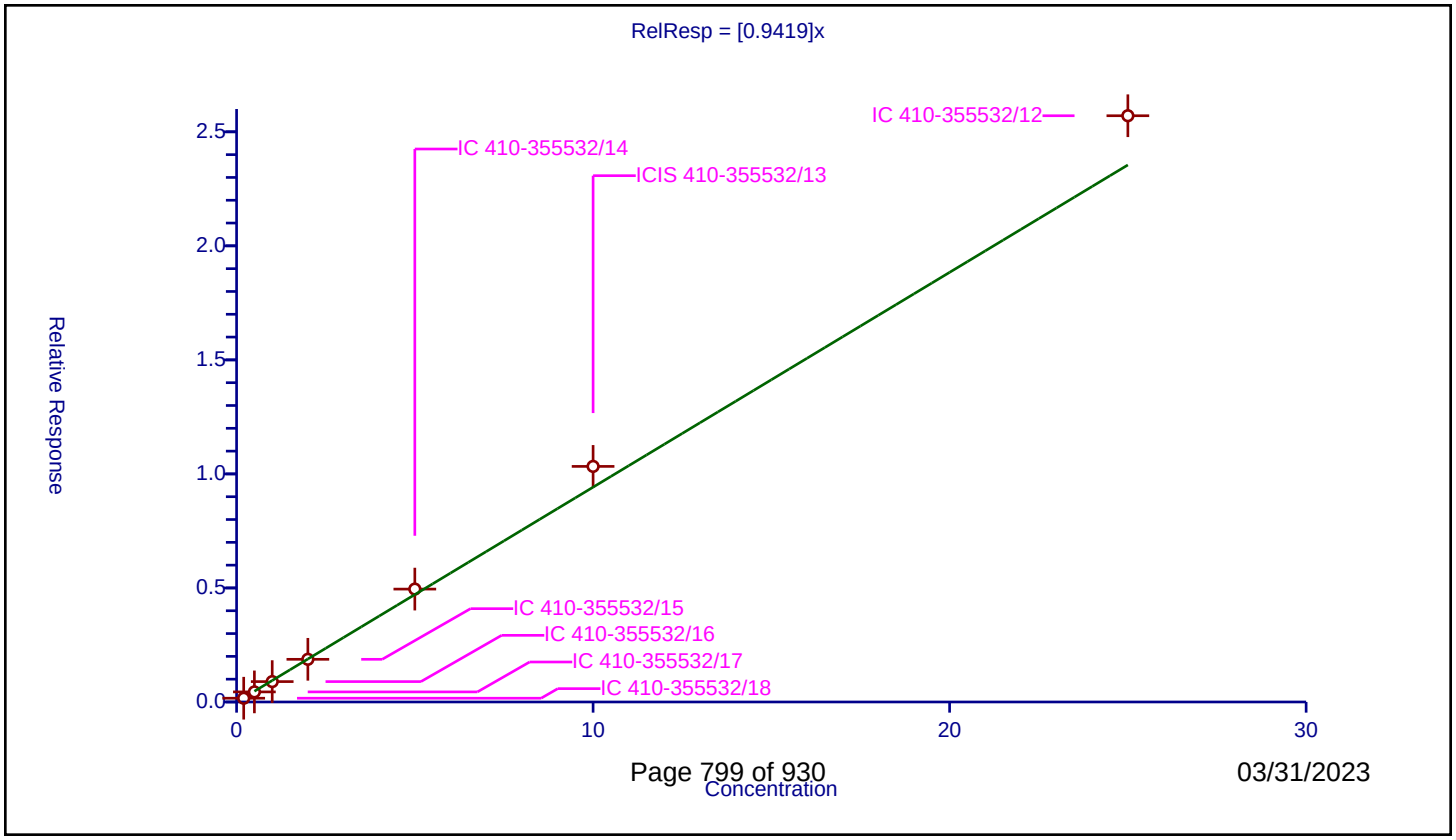
Curve Coefficients

Intercept:	0
Slope:	0.9419

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	8.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.165748	10.0	1096665.0	0.82874	Y
2	IC 410-355532/17	0.5	0.442296	10.0	1099896.0	0.884593	Y
3	IC 410-355532/16	1.0	0.893349	10.0	1128630.0	0.893349	Y
4	IC 410-355532/15	2.0	1.870844	10.0	1126529.0	0.935422	Y
5	IC 410-355532/14	5.0	4.950123	10.0	1162953.0	0.990025	Y
6	ICIS 410-355532/13	10.0	10.329327	10.0	1169233.0	1.032933	Y
7	IC 410-355532/12	25.0	25.705545	10.0	1240232.0	1.028222	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

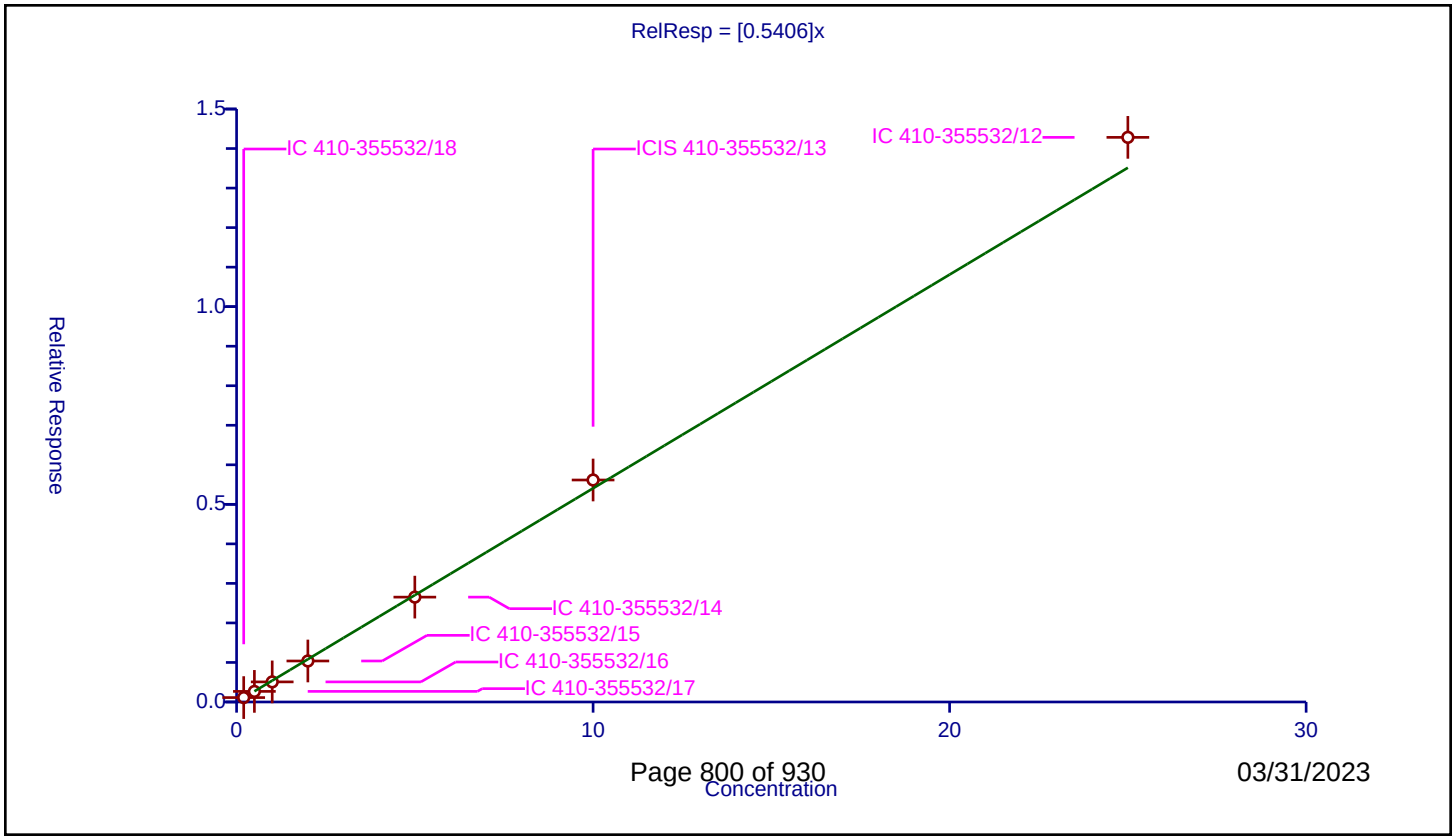
Curve Coefficients

Intercept:	0
Slope:	0.5406

Error Coefficients

Standard Error:	783000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.111657	10.0	1096665.0	0.558284	Y
2	IC 410-355532/17	0.5	0.267798	10.0	1099896.0	0.535596	Y
3	IC 410-355532/16	1.0	0.508236	10.0	1128630.0	0.508236	Y
4	IC 410-355532/15	2.0	1.036937	10.0	1126529.0	0.518469	Y
5	IC 410-355532/14	5.0	2.652996	10.0	1162953.0	0.530599	Y
6	ICIS 410-355532/13	10.0	5.615177	10.0	1169233.0	0.561518	Y
7	IC 410-355532/12	25.0	14.282981	10.0	1240232.0	0.571319	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

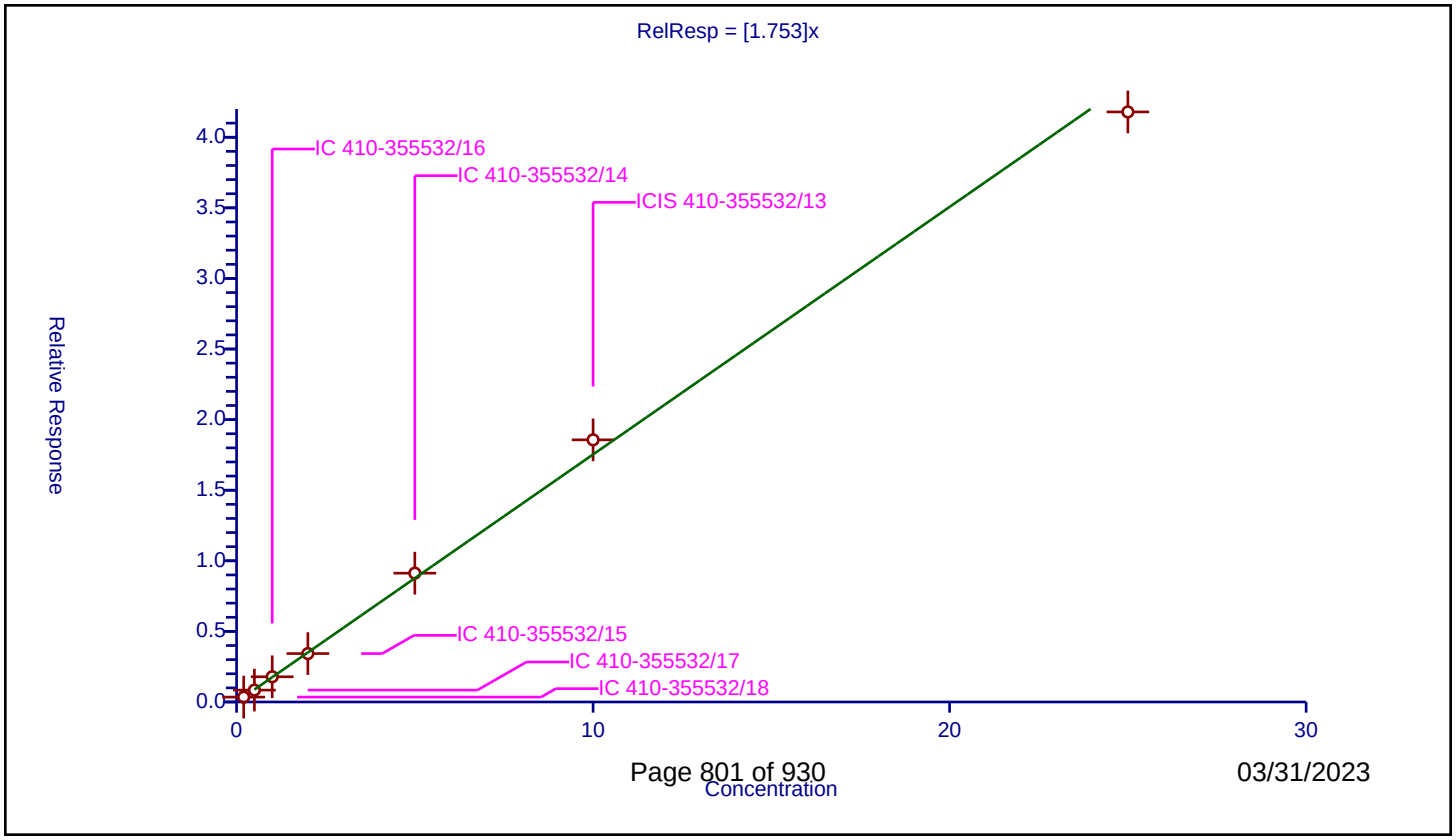
Curve Coefficients

Intercept:	0
Slope:	1.753

Error Coefficients

Standard Error:	2340000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.347253	10.0	1096665.0	1.736264	Y
2	IC 410-355532/17	0.5	0.841598	10.0	1099896.0	1.683196	Y
3	IC 410-355532/16	1.0	1.785971	10.0	1128630.0	1.785971	Y
4	IC 410-355532/15	2.0	3.429881	10.0	1126529.0	1.71494	Y
5	IC 410-355532/14	5.0	9.123885	10.0	1162953.0	1.824777	Y
6	ICIS 410-355532/13	10.0	18.5673	10.0	1169233.0	1.85673	Y
7	IC 410-355532/12	25.0	41.793511	10.0	1240232.0	1.67174	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

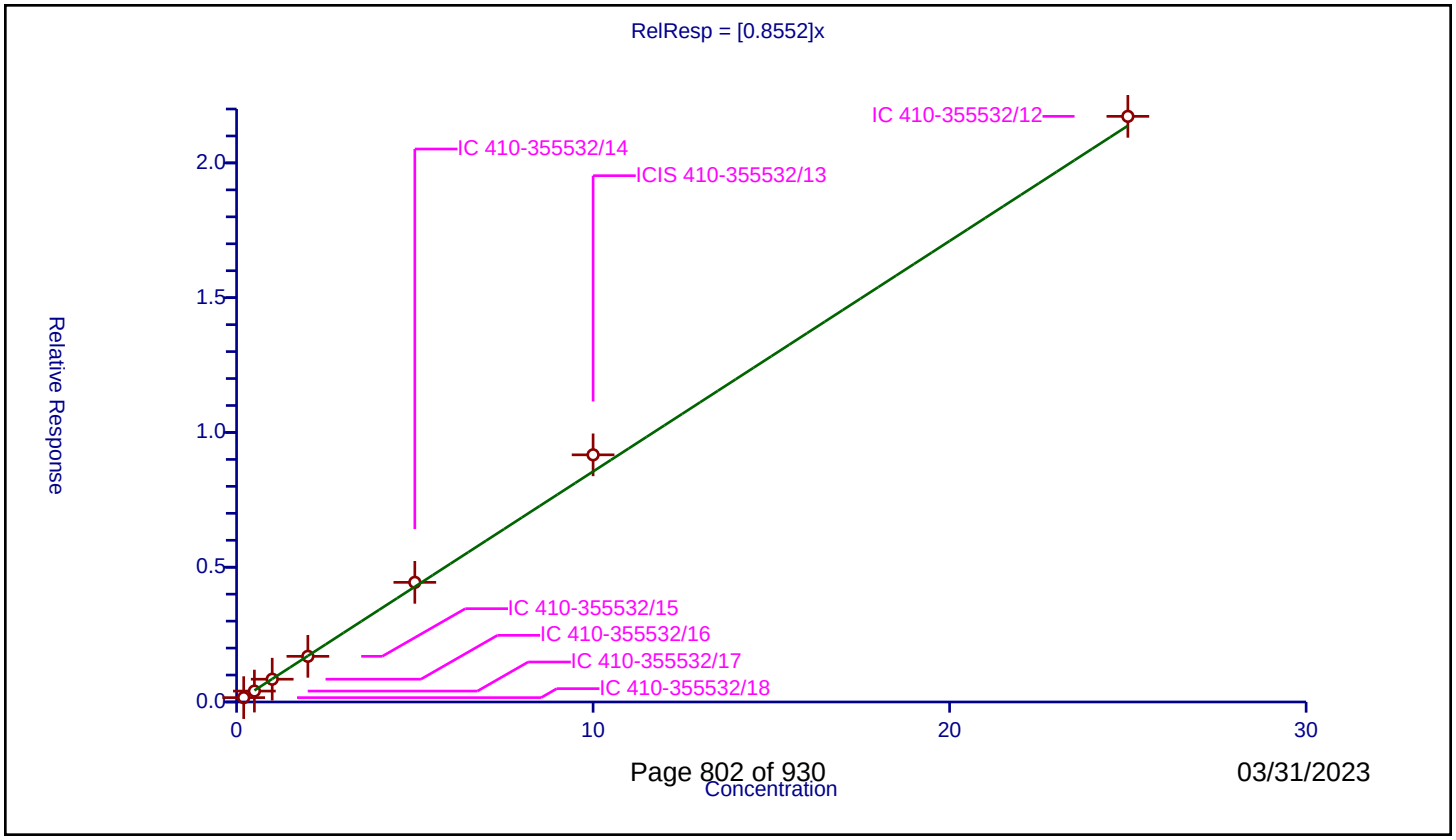
Curve Coefficients

Intercept:	0
Slope:	0.8552

Error Coefficients

Standard Error:	1210000
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 410-355532/18	0.2	0.161991	10.0	1096665.0	0.809956	Y
2	IC 410-355532/17	0.5	0.405102	10.0	1099896.0	0.810204	Y
3	IC 410-355532/16	1.0	0.845264	10.0	1128630.0	0.845264	Y
4	IC 410-355532/15	2.0	1.694373	10.0	1126529.0	0.847186	Y
5	IC 410-355532/14	5.0	4.438391	10.0	1162953.0	0.887678	Y
6	ICIS 410-355532/13	10.0	9.169601	10.0	1169233.0	0.91696	Y
7	IC 410-355532/12	25.0	21.727467	10.0	1240232.0	0.869099	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Lab Sample ID: ICV 410-275687/4 Calibration Date: 07/14/2022 20:04

Instrument ID: 19094 Calib Start Date: 07/11/2022 16:51

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 07/11/2022 18:52

Lab File ID: copy_HL14X03.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	0.3063	0.2590	0.1000	4.23	5.00	-15.5	30.0
Chloromethane	Ave	0.3838	0.3406	0.1000	4.44	5.00	-11.2	30.0
1,3-Butadiene	Ave	0.3624	0.2894		3.99	5.00	-20.1	30.0
Vinyl chloride	Ave	0.3802	0.3321	0.1000	4.37	5.00	-12.6	30.0
Bromomethane	Ave	0.2669	0.2374	0.1000	4.45	5.00	-11.1	30.0
Chloroethane	Ave	0.2307	0.2091	0.1000	4.53	5.00	-9.4	30.0
Dichlorofluoromethane	Ave	0.5113	0.4758		4.65	5.00	-7.0	30.0
Trichlorofluoromethane	Ave	0.4602	0.4030	0.1000	4.38	5.00	-12.4	30.0
Ethyl ether	Ave	0.1924	0.1740		4.51	4.98	-9.6	30.0
Freon 123a	Ave	0.3585	0.3120		4.35	5.00	-13.0	30.0
Acrolein	Ave	2.748	2.918		39.8	37.5	6.2	30.0
1,1-Dichloroethene	Ave	0.2601	0.2385	0.1000	4.58	5.00	-8.3	30.0
Acetone	Ave	3.199	2.905	0.1000	56.8	62.5	-9.2	30.0
Freon 113	Ave	0.2536	0.2389	0.1000	4.71	5.00	-5.8	30.0
Methyl iodide	Ave	0.4522	0.4407		4.87	5.00	-2.5	30.0
Ethyl bromide	Ave	0.2285	0.1794		3.84	4.89	-21.5	30.0
Carbon disulfide	Ave	0.6962	0.6999	0.1000	5.03	5.00	0.5	30.0
Methyl acetate	Ave	8.464	10.17	0.1000	6.01	5.00	20.2	30.0
Allyl chloride	Ave	0.4513	0.4237		4.69	5.00	-6.1	30.0
Methylene Chloride	Ave	0.2694	0.2461	0.1000	4.57	5.00	-8.6	30.0
t-Butyl alcohol	Ave	1.082	1.257		58.1	50.0	16.2	30.0
Acrylonitrile	Ave	4.318	4.902		28.4	25.0	13.5	30.0
Methyl tert-butyl ether	Ave	0.5814	0.5286	0.1000	4.55	5.00	-9.1	30.0
trans-1,2-Dichloroethene	Ave	0.2889	0.2589	0.1000	4.48	5.00	-10.4	30.0
n-Hexane	Ave	0.4042	0.3482		4.31	5.00	-13.8	30.0
1,1-Dichloroethane	Ave	0.5400	0.4802	0.2000	4.45	5.00	-11.1	30.0
di-Isopropyl ether	Ave	0.9190	0.8318		4.53	5.00	-9.5	30.0
2-Chloro-1,3-butadiene	Ave	0.4410	0.4111		4.66	5.00	-6.8	30.0
Ethyl t-butyl ether	Ave	0.8130	0.7399		4.55	5.00	-9.0	30.0
2-Butanone (MEK)	Ave	5.564	6.373	0.1000	71.6	62.5	14.5	30.0
cis-1,2-Dichloroethene	Ave	0.3173	0.2894	0.1000	4.56	5.00	-8.8	30.0
2,2-Dichloropropane	Ave	0.4524	0.4185		4.63	5.00	-7.5	30.0
Propionitrile	Ave	1.427	1.628		42.8	37.5	14.1	30.0
Methacrylonitrile	Ave	6.162	6.912		42.1	37.5	12.2	30.0
Bromochloromethane	Ave	0.1268	0.1101		4.34	5.00	-13.1	30.0
Tetrahydrofuran	Ave	1.591	1.765		27.7	25.0	10.9	30.0
Chloroform	Ave	0.5095	0.4508	0.2000	4.42	5.00	-11.5	30.0
1,1,1-Trichloroethane	Ave	0.4742	0.4165	0.1000	4.39	5.00	-12.2	30.0
Cyclohexane	Ave	0.5379	0.4679	0.1000	4.35	5.00	-13.0	30.0
1,1-Dichloropropene	Ave	0.4287	0.3790		4.42	5.00	-11.6	30.0
Carbon tetrachloride	Ave	0.4101	0.3658	0.1000	4.46	5.00	-10.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Lab Sample ID: ICV 410-275687/4 Calibration Date: 07/14/2022 20:04

Instrument ID: 19094 Calib Start Date: 07/11/2022 16:51

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 07/11/2022 18:52

Lab File ID: copy_HL14X03.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
Isobutyl alcohol	Ave	0.3528	0.4228		150	125	19.8	30.0
Benzene	Ave	1.250	1.112	0.5000	4.45	5.00	-11.0	30.0
1,2-Dichloroethane	Ave	0.2708	0.2363	0.1000	4.36	5.00	-12.7	30.0
t-Amyl methyl ether	Ave	0.6927	0.6217		4.49	5.00	-10.3	30.0
n-Heptane	Ave	0.4424	0.3695		4.18	5.00	-16.5	30.0
n-Butanol	Ave	0.3017	0.3876		321	250	28.5	30.0
Trichloroethene	Ave	0.3292	0.2871	0.2000	4.36	5.00	-12.8	30.0
Methylcyclohexane	Ave	0.5553	0.4738	0.1000	4.27	5.00	-14.7	30.0
1,2-Dichloropropane	Ave	0.3137	0.2794	0.1000	4.45	5.00	-10.9	30.0
Methyl methacrylate	Ave	12.27	14.09		5.74	5.00	14.8	30.0
1,4-Dioxane	Ave	0.0784	0.1088	0.0050	174	125	38.8*	30.0
Dibromomethane	Ave	0.1306	0.1128		4.32	5.00	-13.6	30.0
Bromodichloromethane	Ave	0.3530	0.3184	0.2000	4.51	5.00	-9.8	30.0
2-Nitropropane	Ave	3.043	3.335		5.48	5.00	9.6	30.0
1-Bromo-2-chloroethane	Ave	0.2884	0.2512		4.36	5.00	-12.9	30.0
cis-1,3-Dichloropropene	Ave	0.4429	0.3951	0.2000	4.46	5.00	-10.8	30.0
4-Methyl-2-pentanone (MIBK)	Ave	15.08	17.02	0.1000	70.5	62.5	12.9	30.0
Toluene	Ave	0.9090	0.9510	0.4000	5.23	5.00	4.6	30.0
trans-1,3-Dichloropropene	Ave	0.3871	0.4277	0.1000	5.52	5.00	10.5	30.0
Ethyl methacrylate	Ave	0.2967	0.3279		5.53	5.00	10.5	30.0
1,1,2-Trichloroethane	Ave	0.2153	0.2263	0.1000	5.26	5.00	5.1	30.0
Tetrachloroethene	Ave	0.4197	0.4390	0.2000	5.23	5.00	4.6	30.0
1,3-Dichloropropane	Ave	0.3711	0.3928		5.29	5.00	5.8	30.0
2-Hexanone	Ave	10.01	11.61	0.1000	72.5	62.5	16.0	30.0
Dibromochloromethane	Ave	0.2665	0.2917		5.47	5.00	9.5	30.0
1,2-Dibromoethane (EDB)	Ave	0.1972	0.2124	0.1000	5.39	5.00	7.7	30.0
1-Chlorohexane	Ave	0.5617	0.5539		4.93	5.00	-1.4	30.0
Chlorobenzene	Ave	0.9684	1.013	0.5000	5.23	5.00	4.6	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3322	0.3578		5.39	5.00	7.7	30.0
Ethylbenzene	Ave	1.775	1.871	0.1000	5.27	5.00	5.4	30.0
m&p-Xylene	Ave	0.6768	0.7128	0.1000	10.5	10.0	5.3	30.0
o-Xylene	Ave	0.6542	0.6926	0.3000	5.29	5.00	5.9	30.0
Styrene	Ave	1.061	1.144	0.3000	5.39	5.00	7.8	30.0
Bromoform	Ave	0.1536	0.1691	0.1000	5.51	5.00	10.1	30.0
Isopropylbenzene	Ave	1.769	1.898	0.1000	5.37	5.00	7.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4576	0.5046	0.3000	5.51	5.00	10.3	30.0
Bromobenzene	Ave	0.6850	0.7706		5.62	5.00	12.5	30.0
trans-1,4-Dichloro-2-butene	Ave	5.212	6.058		29.1	25.0	16.2	30.0
1,2,3-Trichloropropane	Ave	0.1149	0.1261		5.49	5.00	9.7	30.0
N-Propylbenzene	Ave	3.820	4.163		5.45	5.00	9.0	30.0
2-Chlorotoluene	Ave	0.7351	0.8087		5.50	5.00	10.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Lab Sample ID: ICV 410-275687/4 Calibration Date: 07/14/2022 20:04

Instrument ID: 19094 Calib Start Date: 07/11/2022 16:51

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 07/11/2022 18:52

Lab File ID: copy_HL14X03.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
1,3,5-Trimethylbenzene	Ave	2.664	2.897		5.44	5.00	8.7	30.0
4-Chlorotoluene	Ave	0.7381	0.8125		5.50	5.00	10.1	30.0
tert-Butylbenzene	Ave	0.5892	0.6228		5.29	5.00	5.7	30.0
Pentachloroethane	Ave	0.4138	0.4711		5.69	5.00	13.9	30.0
1,2,4-Trimethylbenzene	Ave	2.688	2.935		5.46	5.00	9.2	30.0
sec-Butylbenzene	Ave	3.489	3.813		5.46	5.00	9.3	30.0
1,3-Dichlorobenzene	Ave	1.418	1.530	0.6000	5.39	5.00	7.8	30.0
p-Isopropyltoluene	Ave	2.991	3.252		5.44	5.00	8.7	30.0
1,4-Dichlorobenzene	Ave	1.408	1.536	0.5000	5.46	5.00	9.1	30.0
1,2,3-Trimethylbenzene	Ave	1.146	1.244		5.43	5.00	8.6	30.0
Benzyl chloride	Ave	0.1861	0.2164		5.81	5.00	16.3	30.0
n-Butylbenzene	Ave	1.510	1.613		5.34	5.00	6.8	30.0
1,2-Dichlorobenzene	Ave	1.257	1.361	0.4000	5.41	5.00	8.3	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0604	0.0657	0.0500	5.44	5.00	8.8	30.0
1,3,5-Trichlorobenzene	Ave	1.103	1.206		5.46	5.00	9.3	30.0
1,2,4-Trichlorobenzene	Ave	0.9290	1.003	0.2000	5.40	5.00	8.0	30.0
Hexachlorobutadiene	Ave	0.4512	0.4475		4.96	5.00	-0.8	30.0
Naphthalene	Ave	1.500	1.590		5.30	5.00	6.0	30.0
1,2,3-Trichlorobenzene	Ave	0.7887	0.8508		5.39	5.00	7.9	30.0
Dibromofluoromethane (Surr)	Ave	0.2531	0.2329		9.20	10.0	-8.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0462	0.0444		9.60	10.0	-4.0	30.0
Toluene-d8 (Surr)	Ave	1.223	1.331		10.9	10.0	8.8	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4966	0.4783		9.63	10.0	-3.7	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20220714-61834.b\copy_HL14X03.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 14-Jul-2022 20:04:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0061844-004
Misc. Info.: LCS
Operator ID: MEC29284 Instrument ID: 19094
Sublist:

Method: \\chromfs\Lancaster\ChromData\19094\20220714-61834.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Jul-2022 20:49:54 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1670

First Level Reviewer: K4WN Date: 14-Jul-2022 20:47:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.928	1.934	-0.006	99	317261	5.00	4.23	M
6 Chloromethane	50	2.123	2.123	0.000	99	417299	5.00	4.44	
8 Butadiene	39	2.239	2.239	0.000	91	354600	5.00	3.99	M
7 Vinyl chloride	62	2.239	2.245	-0.006	87	406878	5.00	4.37	M
9 Bromomethane	94	2.562	2.562	0.000	90	290804	5.00	4.45	
10 Chloroethane	64	2.636	2.642	-0.006	100	256155	5.00	4.53	
11 Dichlorofluoromethane	67	2.867	2.873	-0.006	97	582865	5.00	4.65	
13 Trichlorofluoromethane	101	2.946	2.946	0.000	97	493715	5.00	4.38	
15 Ethyl ether	59	3.172	3.178	-0.006	92	212494	4.98	4.51	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.257	3.257	0.000	93	382207	5.00	4.35	
17 Acrolein	56	3.343	3.343	0.000	97	211963	37.5	39.8	
18 1,1-Dichloroethene	96	3.483	3.483	0.000	98	292133	5.00	4.58	
19 Acetone	43	3.501	3.501	0.000	100	351741	62.5	56.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.526	3.520	0.006	92	292691	5.00	4.71	
21 Isopropyl alcohol	45	3.654	3.623	0.031	96	66567	37.5	40.7	M
22 Iodomethane	142	3.672	3.672	0.000	98	539919	5.00	4.87	
23 Ethyl bromide	108	3.702	3.702	0.000	98	214737	4.89	3.84	
24 Carbon disulfide	76	3.782	3.782	0.000	98	857500	5.00	5.03	
26 Methyl acetate	43	3.904	3.897	0.007	97	98544	5.00	6.01	M
27 3-Chloro-1-propene	41	3.946	3.946	0.000	94	519083	5.00	4.69	
29 Methylene Chloride	84	4.123	4.123	0.000	92	301496	5.00	4.57	
* 28 t-Butyl alcohol-d10 (IS)	65	4.129	4.129	0.000	0	96858	50.0	50.0	
30 2-Methyl-2-propanol	59	4.245	4.245	0.000	100	121776	50.0	58.1	M
31 Acrylonitrile	53	4.440	4.446	-0.006	99	237419	25.0	28.4	
32 Methyl tert-butyl ether	73	4.519	4.525	-0.006	95	647586	5.00	4.55	
33 trans-1,2-Dichloroethene	96	4.544	4.544	0.000	100	317139	5.00	4.48	
34 Hexane	57	4.952	4.952	0.000	92	426626	5.00	4.31	
35 1,1-Dichloroethane	63	5.202	5.196	0.006	95	588266	5.00	4.45	
37 Isopropyl ether	45	5.251	5.251	0.000	96	1018982	5.00	4.53	
38 2-Chloro-1,3-butadiene	53	5.306	5.306	0.000	89	503677	5.00	4.66	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.793	5.787	0.006	98	906405	5.00	4.55	
41 2-Butanone (MEK)	43	5.982	5.982	0.000	100	771623	62.5	71.6	
42 cis-1,2-Dichloroethene	96	6.025	6.025	0.000	82	354488	5.00	4.56	
43 2,2-Dichloropropane	77	6.049	6.056	-0.007	86	512736	5.00	4.63	
45 Propionitrile	54	6.062	6.062	0.000	98	118244	37.5	42.8	
47 Methacrylonitrile	67	6.287	6.287	0.000	92	502139	37.5	42.1	
48 Chlorobromomethane	128	6.360	6.360	0.000	95	134934	5.00	4.34	
49 Tetrahydrofuran	71	6.360	6.367	-0.006	84	85478	25.0	27.7	
50 Chloroform	83	6.507	6.513	-0.006	93	552291	5.00	4.42	
$ 51 Dibromofluoromethane (Surr)	113	6.726	6.726	0.000	94	570532	10.0	9.20	
52 1,1,1-Trichloroethane	97	6.757	6.751	0.006	98	510286	5.00	4.39	
53 Cyclohexane	56	6.848	6.854	-0.006	90	573185	5.00	4.35	
55 1,1-Dichloropropene	75	6.952	6.958	-0.006	99	464331	5.00	4.42	
56 Carbon tetrachloride	117	6.970	6.964	0.006	96	448172	5.00	4.46	
57 Isobutyl alcohol	41	7.086	7.086	0.000	95	102383	125.0	149.8	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.183	7.183	0.000	0	108671	10.0	9.60	
59 Benzene	78	7.214	7.220	-0.006	97	1362583	5.00	4.45	
60 1,2-Dichloroethane	62	7.293	7.287	0.006	97	289443	5.00	4.36	
62 Tert-amyl methyl ether	73	7.415	7.415	0.000	99	761612	5.00	4.49	
* 65 Fluorobenzene (IS)	96	7.628	7.628	0.000	98	2450189	10.0	10.0	
64 n-Heptane	43	7.647	7.647	0.000	92	452715	5.00	4.18	
66 n-Butanol	56	7.988	7.982	0.006	86	187727	250.0	321.2	
67 Trichloroethene	95	8.110	8.110	0.000	98	351712	5.00	4.36	
68 Methylcyclohexane	83	8.433	8.427	0.006	93	580483	5.00	4.27	
70 1,2-Dichloropropane	63	8.445	8.445	0.000	80	342293	5.00	4.45	
69 2-ethoxy-2-methyl butane	87	8.451	8.458	-0.007	90	484021	5.00	4.50	
72 1,4-Dioxane	88	8.543	8.531	0.012	31	26349	125.0	173.6	
71 Methyl methacrylate	69	8.537	8.531	0.006	89	136500	5.00	5.74	
73 Dibromomethane	93	8.555	8.555	0.000	95	138155	5.00	4.32	
75 Dichlorobromomethane	83	8.793	8.793	0.000	100	390074	5.00	4.51	
76 2-Nitropropane	41	9.061	9.061	0.000	97	32304	5.00	5.48	
79 1-Bromo-2-chloroethane	63	9.189	9.195	-0.006	99	307741	5.00	4.36	
80 cis-1,3-Dichloropropene	75	9.348	9.348	0.000	97	484052	5.00	4.46	
81 4-Methyl-2-pentanone (MIBK)	43	9.518	9.518	0.000	96	2061124	62.5	70.5	
$ 82 Toluene-d8 (Surr)	98	9.665	9.665	0.000	93	2424916	10.0	10.9	
83 Toluene	92	9.744	9.738	0.006	99	866148	5.00	5.23	
85 trans-1,3-Dichloropropene	75	10.000	10.000	0.000	91	389562	5.00	5.52	
86 Ethyl methacrylate	69	10.061	10.061	0.000	89	298664	5.00	5.53	
87 1,1,2-Trichloroethane	97	10.207	10.207	0.000	89	206112	5.00	5.26	
88 Tetrachloroethene	166	10.299	10.299	0.000	97	399862	5.00	5.23	
89 1,3-Dichloropropane	76	10.372	10.372	0.000	89	357771	5.00	5.29	
91 2-Hexanone	43	10.421	10.421	0.000	97	1405955	62.5	72.5	
93 Chlorodibromomethane	129	10.591	10.591	0.000	89	265663	5.00	5.47	
94 Ethylene Dibromide	107	10.701	10.701	0.000	99	193481	5.00	5.39	
* 97 Chlorobenzene-d5 (IS)	117	11.134	11.134	0.000	85	1821571	10.0	10.0	
96 1-Chlorohexane	91	11.146	11.146	0.000	98	504456	5.00	4.93	
98 Chlorobenzene	112	11.164	11.164	0.000	95	922229	5.00	5.23	
99 1,1,1,2-Tetrachloroethane	131	11.244	11.244	0.000	96	325896	5.00	5.39	
100 Ethylbenzene	91	11.250	11.250	0.000	98	1703874	5.00	5.27	
101 m-Xylene & p-Xylene	106	11.366	11.366	0.000	0	1298435	10.0	10.5	
102 o-Xylene	106	11.695	11.695	0.000	96	630822	5.00	5.29	
103 Styrene	104	11.713	11.707	0.006	95	1041579	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
104 Bromoform	173	11.872	11.872	0.000	98	154007	5.00	5.51	
105 Isopropylbenzene	105	11.993	11.993	0.000	96	1728871	5.00	5.37	
$ 108 4-Bromofluorobenzene (Surr)	95	12.140	12.140	0.000	92	871254	10.0	9.63	
109 1,1,2,2-Tetrachloroethane	83	12.243	12.243	0.000	92	247560	5.00	5.51	
111 Bromobenzene	156	12.256	12.256	0.000	96	378040	5.00	5.62	
110 trans-1,4-Dichloro-2-butene	53	12.268	12.268	0.000	91	293360	25.0	29.1	
112 1,2,3-Trichloropropane	110	12.286	12.286	0.000	81	61842	5.00	5.49	
113 N-Propylbenzene	91	12.329	12.329	0.000	99	2042179	5.00	5.45	
114 2-Chlorotoluene	126	12.402	12.402	0.000	97	396739	5.00	5.50	
115 1,3,5-Trimethylbenzene	105	12.463	12.463	0.000	94	1421117	5.00	5.44	
116 4-Chlorotoluene	126	12.493	12.493	0.000	97	398583	5.00	5.50	
118 tert-Butylbenzene	134	12.707	12.707	0.000	93	305540	5.00	5.29	
119 Pentachloroethane	167	12.737	12.737	0.000	94	231131	5.00	5.69	
120 1,2,4-Trimethylbenzene	105	12.749	12.749	0.000	97	1439971	5.00	5.46	
121 sec-Butylbenzene	105	12.871	12.871	0.000	94	1870814	5.00	5.46	
122 1,3-Dichlorobenzene	146	12.969	12.969	0.000	98	750424	5.00	5.39	
123 4-Isopropyltoluene	119	12.975	12.975	0.000	97	1595293	5.00	5.44	
* 124 1,4-Dichlorobenzene-d4	152	13.024	13.024	0.000	94	981185	10.0	10.0	
125 1,4-Dichlorobenzene	146	13.042	13.042	0.000	95	753566	5.00	5.46	
126 1,2,3-Trimethylbenzene	120	13.054	13.054	0.000	98	610505	5.00	5.43	
127 Benzyl chloride	126	13.115	13.115	0.000	98	106143	5.00	5.81	
129 p-Diethylbenzene	119	13.176	13.176	0.000	92	932730	5.00	5.50	
130 n-Butylbenzene	92	13.268	13.268	0.000	97	791229	5.00	5.34	
131 1,2-Dichlorobenzene	146	13.298	13.298	0.000	99	667486	5.00	5.41	
134 1,2-Dibromo-3-Chloropropane	155	13.847	13.847	0.000	89	32241	5.00	5.44	
135 1,3,5-Trichlorobenzene	180	13.969	13.969	0.000	98	591489	5.00	5.46	
136 1,2,4-Trichlorobenzene	180	14.395	14.395	0.000	94	492177	5.00	5.40	
137 Hexachlorobutadiene	225	14.475	14.475	0.000	95	219557	5.00	4.96	
138 Naphthalene	128	14.572	14.572	0.000	97	780013	5.00	5.30	
139 1,2,3-Trichlorobenzene	180	14.712	14.712	0.000	95	417400	5.00	5.39	
140 2-Methylnaphthalene	142	15.334	15.334	0.000	93	464135	5.00	5.24	
194 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00063	Amount Added:	12.50	Units: uL	
MSV_LCS_ACROL_00066	Amount Added:	12.50	Units: uL	
MSV_LCS_EE_00003	Amount Added:	12.50	Units: uL	
LCS_ETBR_00003	Amount Added:	12.50	Units: uL	
MSV_LCS_Penta_00017	Amount Added:	12.50	Units: uL	
MSV_QC_Gas826_00089	Amount Added:	12.50	Units: uL	
MSV_LLcentISS_00005	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 14-Jul-2022 20:49:59 Chrom Revision: 2.3 08-Jul-2022 13:26:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20220714-61834.b\copy_HL14X03.D

Injection Date: 14-Jul-2022 20:04:30 Instrument ID: 19094 Operator ID: MEC29284

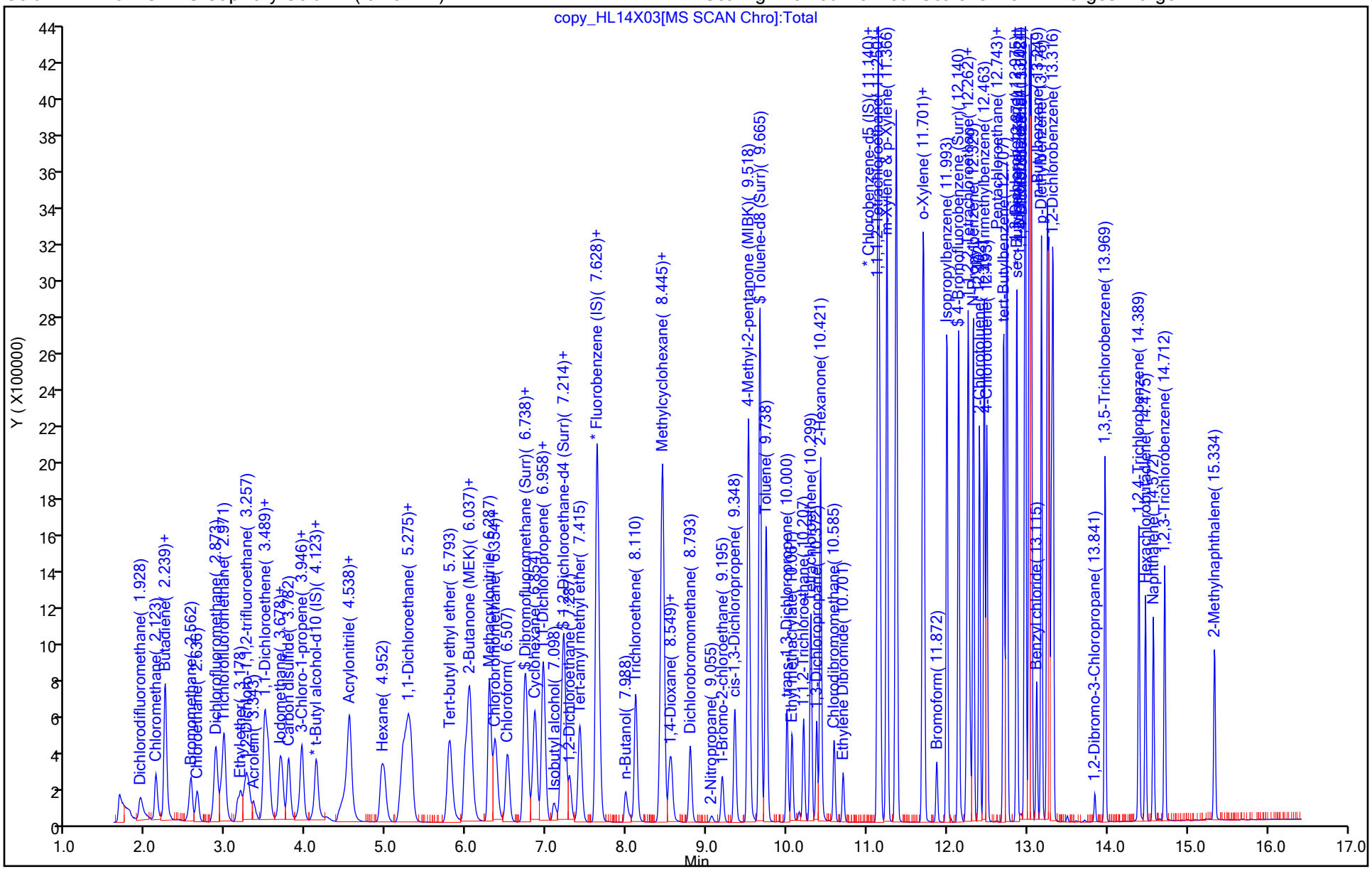
Lims ID: ICV Worklist Smp#: 4

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

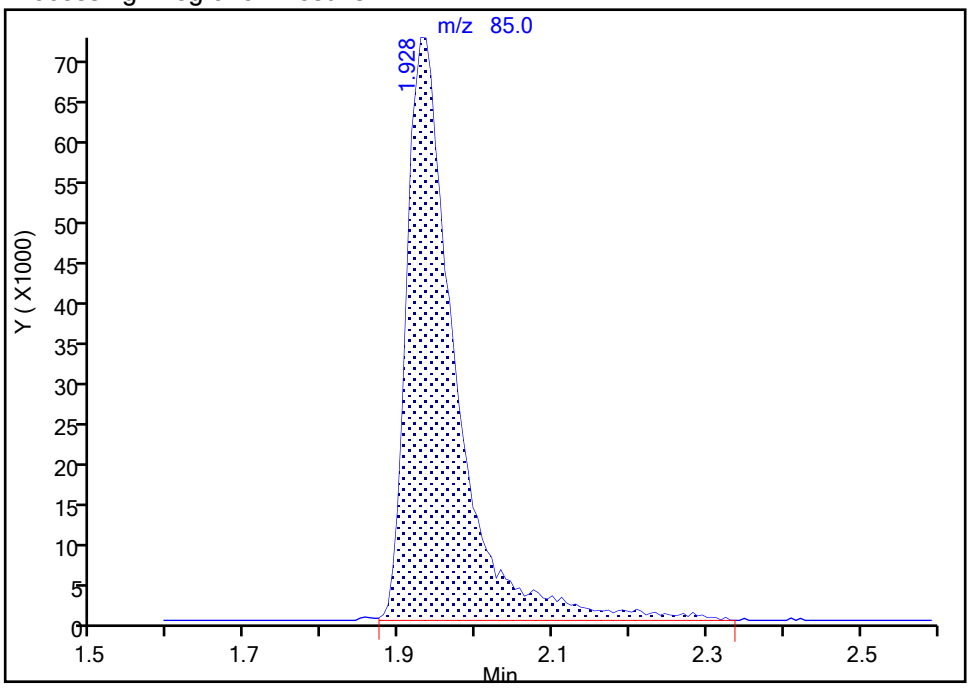
Data File:	\\chromfs\Lancaster\ChromData\19094\20220714-61834.b\copy_HL14X03.D				
Injection Date:	14-Jul-2022 20:04:30	Instrument ID:	19094		
Lims ID:	ICV				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

3 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

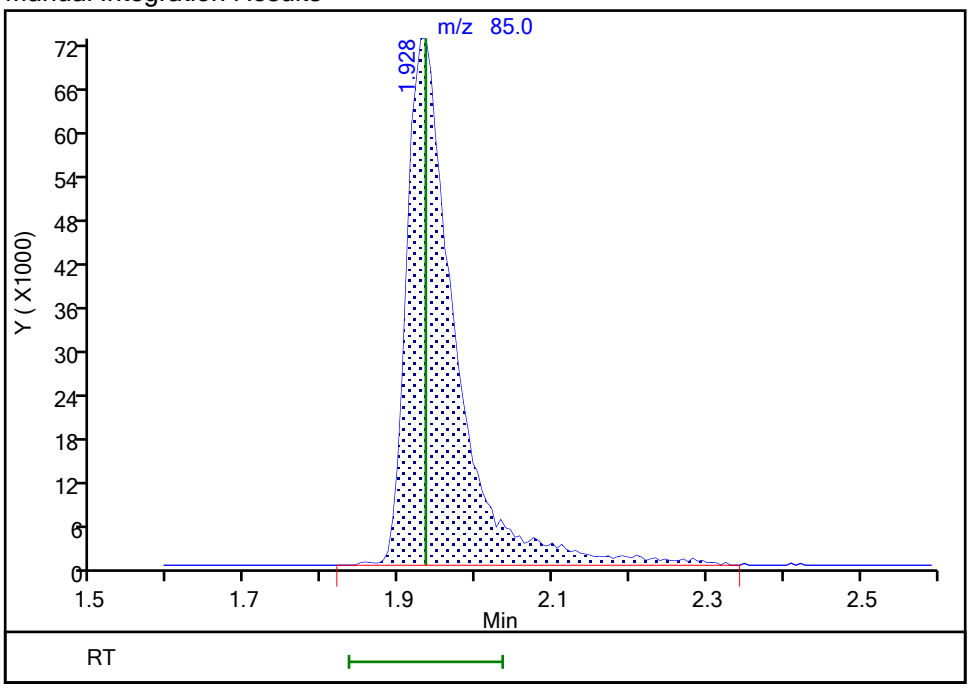
Processing Integration Results

RT: 1.93
Area: 316797
Amount: 4.221015
Amount Units: ug/l



Manual Integration Results

RT: 1.93
Area: 317261
Amount: 4.227198
Amount Units: ug/l



Reviewer: K4WN, 14-Jul-2022 20:43:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

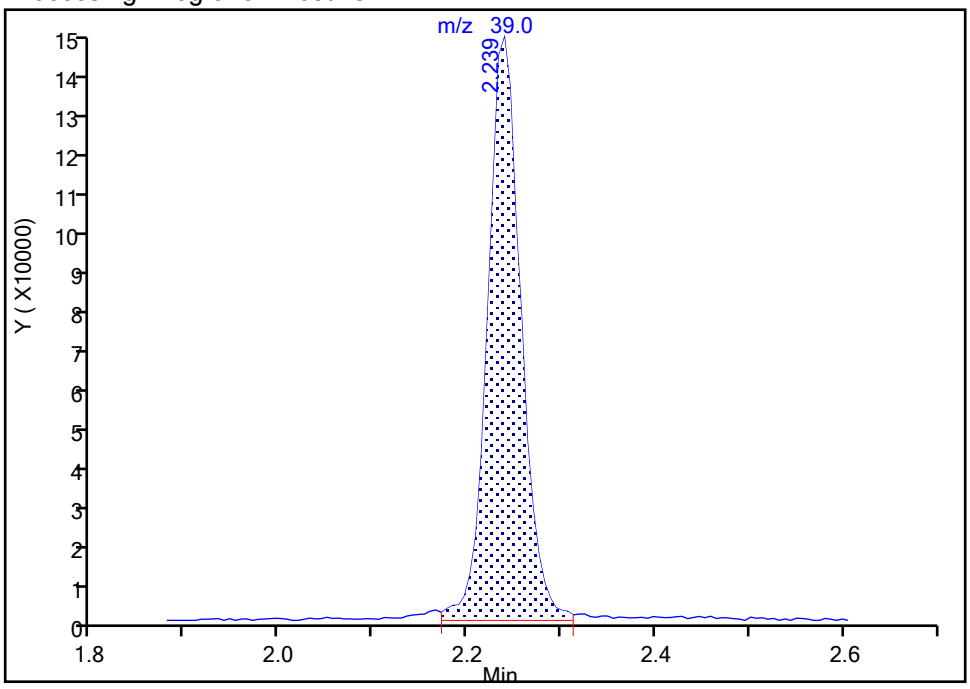
Data File:	\\chromfs\Lancaster\ChromData\19094\20220714-61834.b\copy_HL14X03.D				
Injection Date:	14-Jul-2022 20:04:30	Instrument ID:	19094		
Lims ID:	ICV				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

8 Butadiene, CAS: 106-99-0

Signal: 1

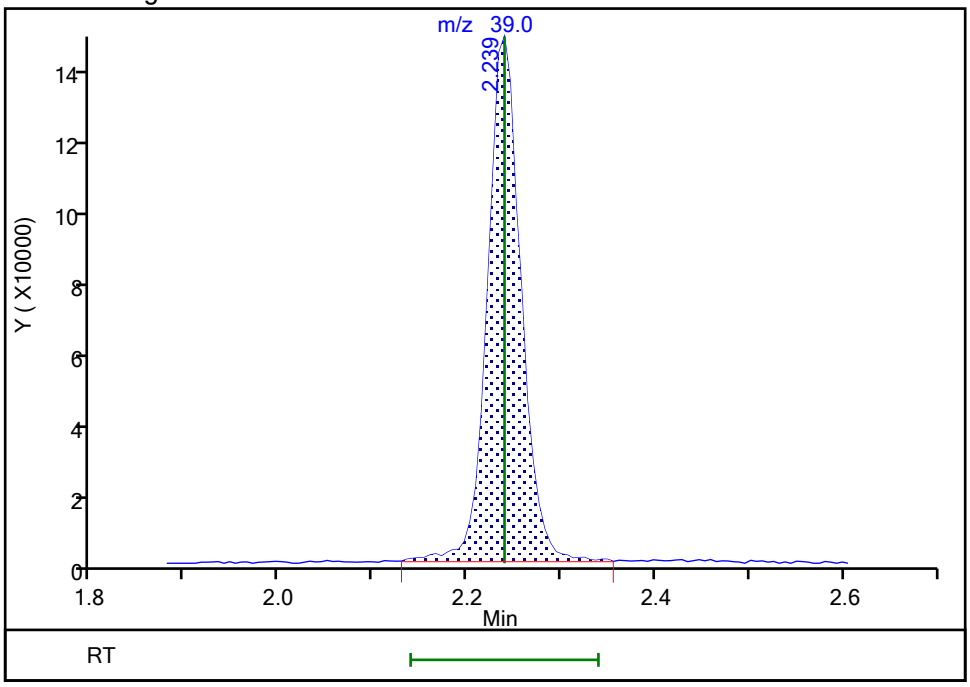
Processing Integration Results

RT: 2.24
Area: 353737
Amount: 3.983206
Amount Units: ug/l



Manual Integration Results

RT: 2.24
Area: 354600
Amount: 3.992924
Amount Units: ug/l



Reviewer: K4WN, 14-Jul-2022 20:44:09
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

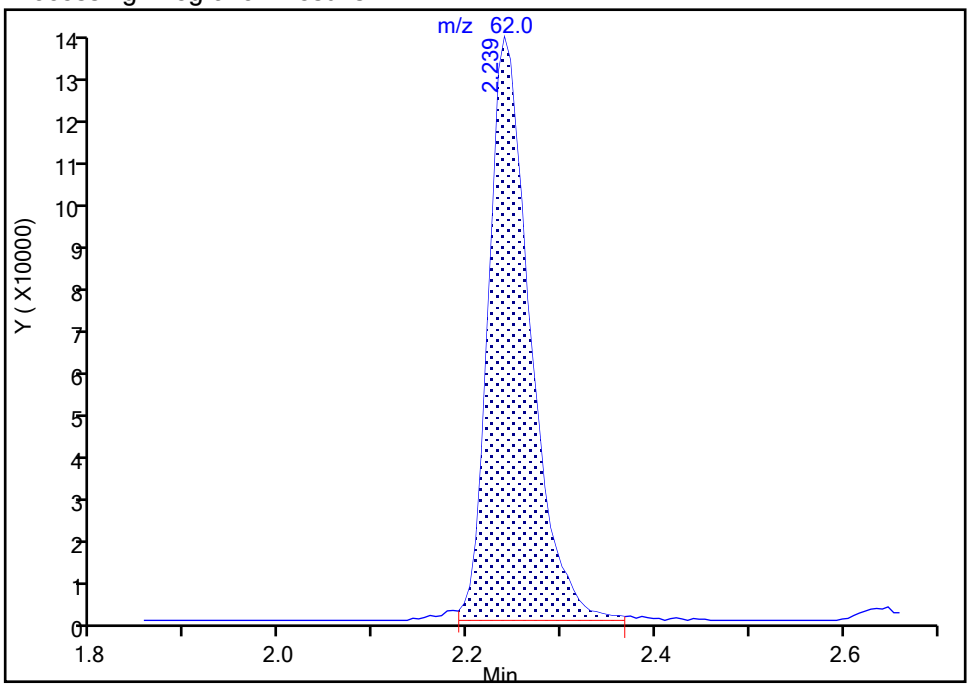
Data File:	\\chromfs\Lancaster\ChromData\19094\20220714-61834.b\copy_HL14X03.D				
Injection Date:	14-Jul-2022 20:04:30	Instrument ID:	19094		
Lims ID:	ICV				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

7 Vinyl chloride, CAS: 75-01-4

Signal: 1

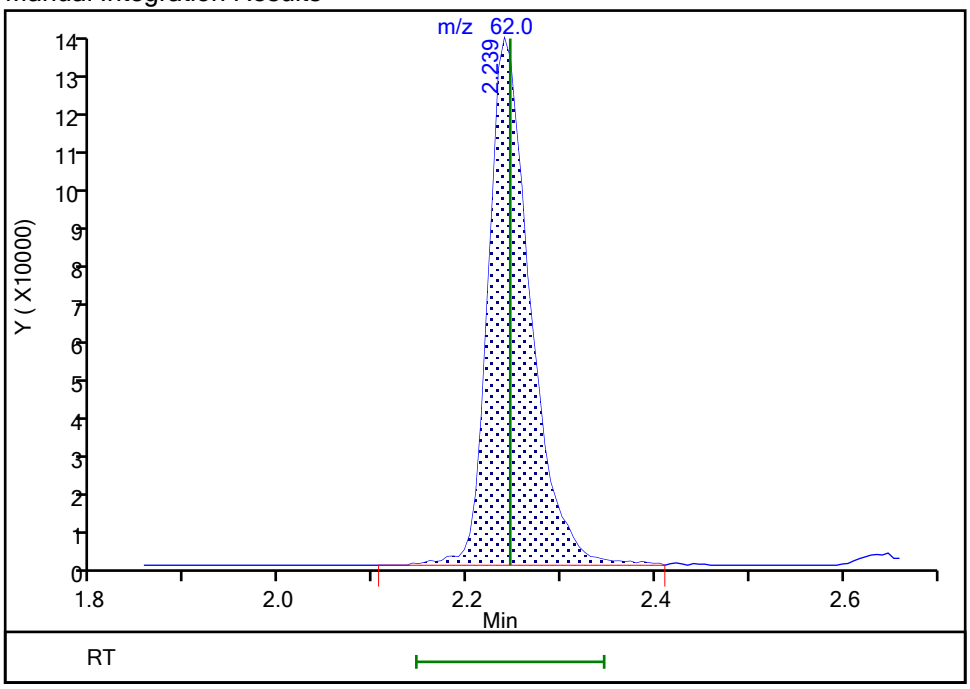
Processing Integration Results

RT: 2.24
Area: 402254
Amount: 4.317978
Amount Units: ug/l



Manual Integration Results

RT: 2.24
Area: 406878
Amount: 4.367614
Amount Units: ug/l



Reviewer: K4WN, 14-Jul-2022 20:44:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

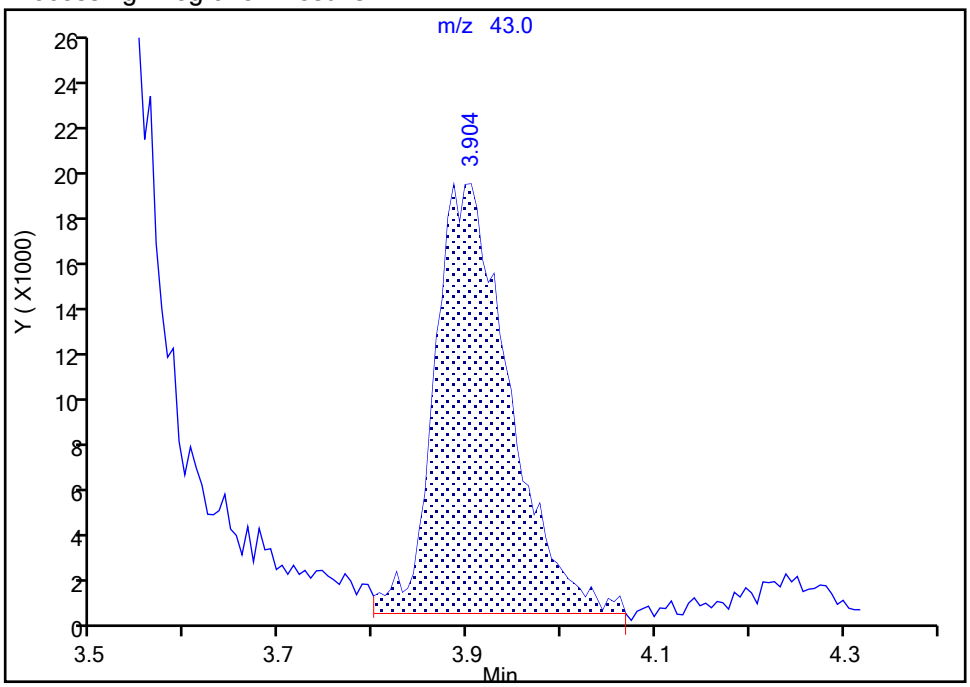
Data File:	\\chromfs\Lancaster\ChromData\19094\20220714-61834.b\copy_HL14X03.D				
Injection Date:	14-Jul-2022 20:04:30	Instrument ID:	19094		
Lims ID:	ICV				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

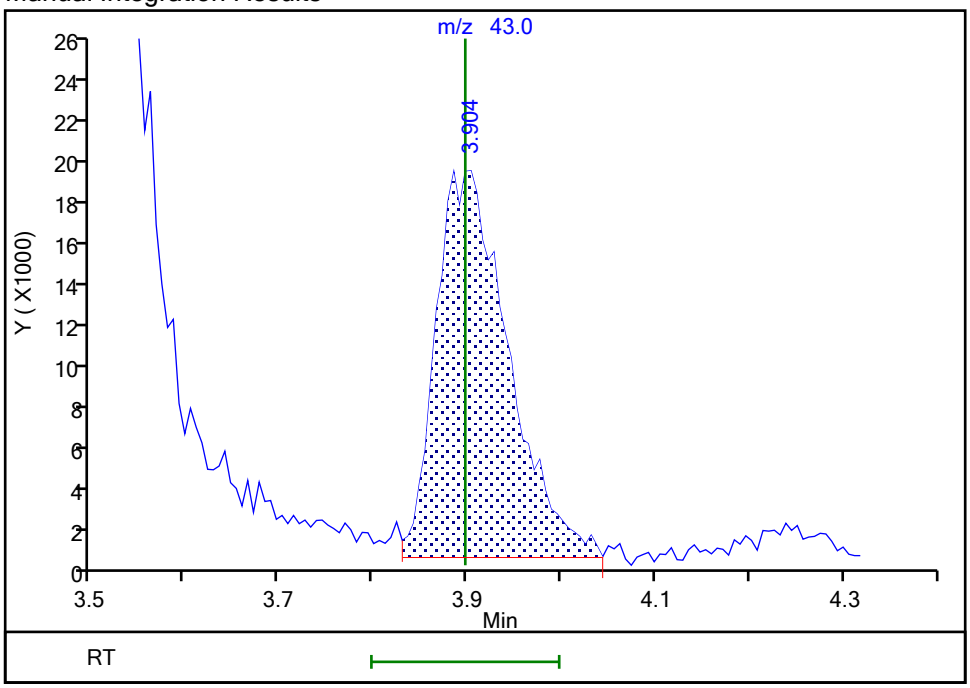
Processing Integration Results

RT: 3.90
Area: 102033
Amount: 6.222656
Amount Units: ug/l



Manual Integration Results

RT: 3.90
Area: 98544
Amount: 6.009874
Amount Units: ug/l



Reviewer: K4WN, 14-Jul-2022 20:44:53
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

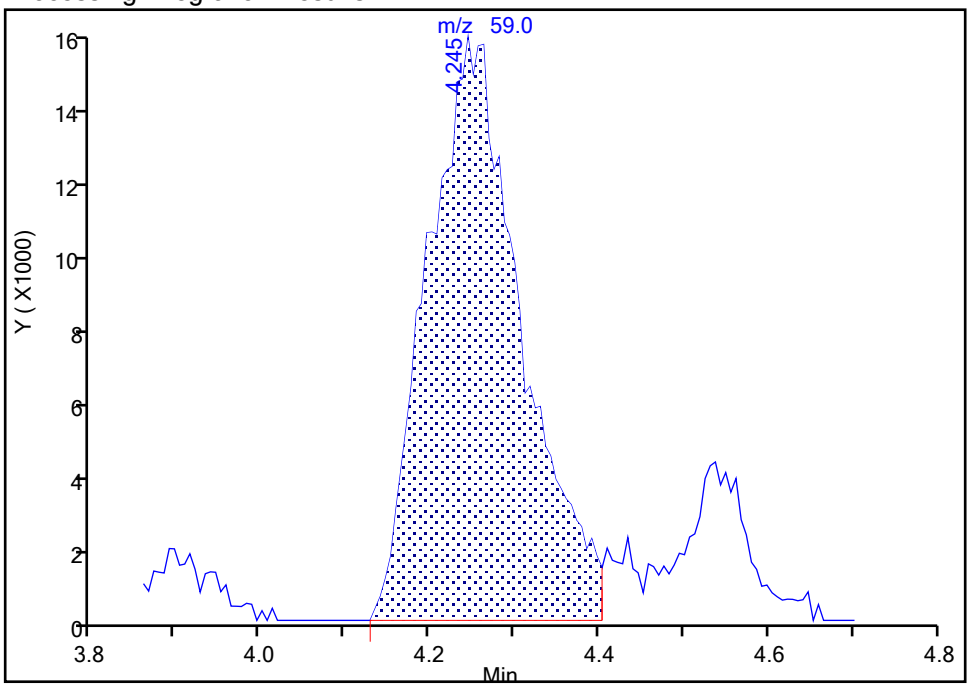
Data File:	\\chromfs\Lancaster\ChromData\19094\20220714-61834.b\copy_HL14X03.D				
Injection Date:	14-Jul-2022 20:04:30	Instrument ID:	19094		
Lims ID:	ICV				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

30 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

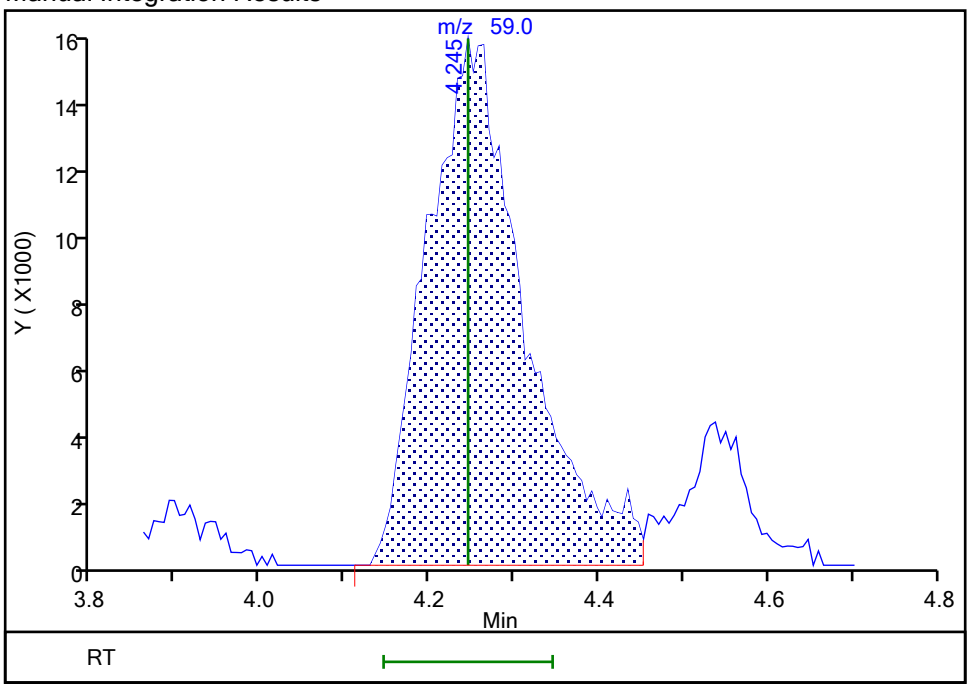
Processing Integration Results

RT: 4.24
Area: 117435
Amount: 56.038088
Amount Units: ug/l



Manual Integration Results

RT: 4.24
Area: 121776
Amount: 58.109543
Amount Units: ug/l



Reviewer: K4WN, 14-Jul-2022 20:45:07
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Lab Sample ID: CCVIS 410-357851/3 Calibration Date: 03/27/2023 19:24

Instrument ID: 19094 Calib Start Date: 07/11/2022 16:51

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 07/11/2022 18:52

Lab File ID: HM27X02.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	0.3063	0.3749	0.1000	12.2	10.0	22.4*	20.0
Chloromethane	Ave	0.3838	0.5403	0.1000	14.1	10.0	40.8*	20.0
1,3-Butadiene	Ave	0.3624	0.4054		11.2	10.0	11.9	20.0
Vinyl chloride	Ave	0.3802	0.4969	0.1000	13.1	10.0	30.7*	20.0
Bromomethane	Ave	0.2669	0.3036	0.1000	11.4	10.0	13.7	20.0
Chloroethane	Ave	0.2307	0.2602	0.1000	11.3	10.0	12.8	20.0
Dichlorofluoromethane	Ave	0.5113	0.5818		11.4	10.0	13.8	20.0
Trichlorofluoromethane	Ave	0.4602	0.5022	0.1000	10.9	10.0	9.1	20.0
Ethyl ether	Ave	0.1924	0.1894		9.84	10.0	-1.6	20.0
Freon 123a	Ave	0.3585	0.3560		9.93	10.0	-0.7	20.0
Acrolein	Ave	2.748	2.162		393	500	-21.3*	20.0
1,1-Dichloroethene	Ave	0.2601	0.2469	0.1000	9.50	10.0	-5.0	20.0
Acetone	Ave	3.199	3.216	0.1000	101	100	0.5	20.0
Freon 113	Ave	0.2536	0.2432	0.1000	9.59	10.0	-4.1	20.0
Methyl iodide	Ave	0.4522	0.4989		11.0	10.0	10.3	20.0
Ethyl bromide	Ave	0.2285	0.2491		10.9	10.0	9.0	20.0
Carbon disulfide	Ave	0.6962	0.7489	0.1000	10.8	10.0	7.6	20.0
Methyl acetate	Ave	8.464	9.667	0.1000	11.4	10.0	14.2	20.0
Allyl chloride	Ave	0.4513	0.4551		10.1	10.0	0.8	20.0
Methylene Chloride	Ave	0.2694	0.2826	0.1000	10.5	10.0	4.9	20.0
t-Butyl alcohol	Ave	1.082	1.016		188	200	-6.1	20.0
Acrylonitrile	Ave	4.318	4.780		27.7	25.0	10.7	20.0
Methyl tert-butyl ether	Ave	0.5814	0.5840	0.1000	10.0	10.0	0.4	20.0
trans-1,2-Dichloroethene	Ave	0.2889	0.2917	0.1000	10.1	10.0	1.0	20.0
n-Hexane	Ave	0.4042	0.3007		7.44	10.0	-25.6*	20.0
1,1-Dichloroethane	Ave	0.5400	0.5738	0.2000	10.6	10.0	6.3	20.0
di-Isopropyl ether	Ave	0.9190	0.9170		9.98	10.0	-0.2	20.0
2-Chloro-1,3-butadiene	Ave	0.4410	0.4537		10.3	10.0	2.9	20.0
Ethyl t-butyl ether	Ave	0.8130	0.7762		9.55	10.0	-4.5	20.0
2-Butanone (MEK)	Ave	5.564	5.869	0.1000	105	100	5.5	20.0
cis-1,2-Dichloroethene	Ave	0.3173	0.3256	0.1000	10.3	10.0	2.6	20.0
2,2-Dichloropropane	Ave	0.4524	0.4880		10.8	10.0	7.9	20.0
Propionitrile	Ave	1.427	1.582		222	200	10.9	20.0
Methacrylonitrile	Ave	6.162	6.262		102	100	1.6	20.0
Bromochloromethane	Ave	0.1268	0.1335		10.5	10.0	5.3	20.0
Tetrahydrofuran	Ave	1.591	1.635		51.4	50.0	2.7	20.0
Chloroform	Ave	0.5095	0.5511	0.2000	10.8	10.0	8.2	20.0
1,1,1-Trichloroethane	Ave	0.4742	0.4791	0.1000	10.1	10.0	1.0	20.0
Cyclohexane	Ave	0.5379	0.4346	0.1000	8.08	10.0	-19.2	20.0
1,1-Dichloropropene	Ave	0.4287	0.4043		9.43	10.0	-5.7	20.0
Carbon tetrachloride	Ave	0.4101	0.4219	0.1000	10.3	10.0	2.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Lab Sample ID: CCVIS 410-357851/3 Calibration Date: 03/27/2023 19:24

Instrument ID: 19094 Calib Start Date: 07/11/2022 16:51

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 07/11/2022 18:52

Lab File ID: HM27X02.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
Isobutyl alcohol	Ave	0.3528	0.4008		568	500	13.6	20.0
Benzene	Ave	1.250	1.239	0.5000	9.92	10.0	-0.8	20.0
1,2-Dichloroethane	Ave	0.2708	0.3040	0.1000	11.2	10.0	12.3	20.0
t-Amyl methyl ether	Ave	0.6927	0.6711		9.69	10.0	-3.1	20.0
n-Heptane	Ave	0.4424	0.3090		6.99	10.0	-30.1*	20.0
n-Butanol	Ave	0.3017	0.3122		905	875	3.5	20.0
Trichloroethene	Ave	0.3292	0.3300	0.2000	10.0	10.0	0.2	20.0
Methylcyclohexane	Ave	0.5553	0.4371	0.1000	7.87	10.0	-21.3*	20.0
1,2-Dichloropropane	Ave	0.3137	0.3288	0.1000	10.5	10.0	4.8	20.0
Methyl methacrylate	Ave	12.27	11.49		9.36	10.0	-6.4	20.0
1,4-Dioxane	Ave	0.0784	0.0568	0.0050	363	500	-27.5*	20.0
Dibromomethane	Ave	0.1306	0.1369		10.5	10.0	4.9	20.0
Bromodichloromethane	Ave	0.3530	0.3883	0.2000	11.0	10.0	10.0	20.0
2-Nitropropane	Ave	3.043	3.516		57.8	50.0	15.5	20.0
1-Bromo-2-chloroethane	Ave	0.2884	0.3205		11.1	10.0	11.1	20.0
cis-1,3-Dichloropropene	Ave	0.4429	0.4565	0.2000	10.3	10.0	3.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	15.08	15.27	0.1000	101	100	1.3	20.0
Toluene	Ave	0.9090	0.9482	0.4000	10.4	10.0	4.3	20.0
trans-1,3-Dichloropropene	Ave	0.3871	0.4472	0.1000	11.6	10.0	15.5	20.0
Ethyl methacrylate	Ave	0.2967	0.2971		10.0	10.0	0.1	20.0
1,1,2-Trichloroethane	Ave	0.2153	0.2360	0.1000	11.0	10.0	9.6	20.0
Tetrachloroethene	Ave	0.4197	0.4574	0.2000	10.9	10.0	9.0	20.0
1,3-Dichloropropane	Ave	0.3711	0.4081		11.0	10.0	9.9	20.0
2-Hexanone	Ave	10.01	10.24	0.1000	102	100	2.3	20.0
Dibromochloromethane	Ave	0.2665	0.3149		11.8	10.0	18.2	20.0
1,2-Dibromoethane (EDB)	Ave	0.1972	0.2226	0.1000	11.3	10.0	12.8	20.0
1-Chlorohexane	Ave	0.5617	0.5358		9.54	10.0	-4.6	20.0
Chlorobenzene	Ave	0.9684	1.101	0.5000	11.4	10.0	13.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3322	0.3785		11.4	10.0	13.9	20.0
Ethylbenzene	Ave	1.775	1.888	0.1000	10.6	10.0	6.4	20.0
m&p-Xylene	Ave	0.6768	0.7553	0.1000	22.3	20.0	11.6	20.0
o-Xylene	Ave	0.6542	0.7077	0.3000	10.8	10.0	8.2	20.0
Styrene	Ave	1.061	1.143	0.3000	10.8	10.0	7.7	20.0
Bromoform	Ave	0.1536	0.1858	0.1000	12.1	10.0	21.0*	20.0
Isopropylbenzene	Ave	1.769	1.844	0.1000	10.4	10.0	4.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.4576	0.4759	0.3000	10.4	10.0	4.0	20.0
Bromobenzene	Ave	0.6850	0.7120		10.4	10.0	3.9	20.0
trans-1,4-Dichloro-2-butene	Ave	5.212	6.163		118	100	18.3	20.0
1,2,3-Trichloropropane	Ave	0.1149	0.1206		10.5	10.0	5.0	20.0
N-Propylbenzene	Ave	3.820	3.765		9.86	10.0	-1.4	20.0
2-Chlorotoluene	Ave	0.7351	0.7594		10.3	10.0	3.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Lab Sample ID: CCVIS 410-357851/3 Calibration Date: 03/27/2023 19:24

Instrument ID: 19094 Calib Start Date: 07/11/2022 16:51

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 07/11/2022 18:52

Lab File ID: HM27X02.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
1,3,5-Trimethylbenzene	Ave	2.664	2.633		9.88	10.0	-1.2	20.0
4-Chlorotoluene	Ave	0.7381	0.7912		10.7	10.0	7.2	20.0
tert-Butylbenzene	Ave	0.5892	0.5645		9.58	10.0	-4.2	20.0
Pentachloroethane	Ave	0.4138	0.4972		12.0	10.0	20.2*	20.0
1,2,4-Trimethylbenzene	Ave	2.688	2.766		10.3	10.0	2.9	20.0
sec-Butylbenzene	Ave	3.489	3.375		9.67	10.0	-3.3	20.0
1,3-Dichlorobenzene	Ave	1.418	1.535	0.6000	10.8	10.0	8.2	20.0
p-Isopropyltoluene	Ave	2.991	2.941		9.83	10.0	-1.7	20.0
1,4-Dichlorobenzene	Ave	1.408	1.475	0.5000	10.5	10.0	4.8	20.0
1,2,3-Trimethylbenzene	Ave	1.146	1.231		10.7	10.0	7.4	20.0
Benzyl chloride	Ave	0.1861	0.2196		11.8	10.0	18.0	20.0
n-Butylbenzene	Ave	1.510	1.473		9.76	10.0	-2.4	20.0
1,2-Dichlorobenzene	Ave	1.257	1.374	0.4000	10.9	10.0	9.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0604	0.0663	0.0500	11.0	10.0	9.7	20.0
1,3,5-Trichlorobenzene	Ave	1.103	1.080		9.79	10.0	-2.1	20.0
1,2,4-Trichlorobenzene	Ave	0.9290	0.8466	0.2000	9.11	10.0	-8.9	20.0
Hexachlorobutadiene	Ave	0.4512	0.3186		7.06	10.0	-29.4*	20.0
Naphthalene	Ave	1.500	1.261		8.41	10.0	-15.9	20.0
1,2,3-Trichlorobenzene	Ave	0.7887	0.6702		8.50	10.0	-15.0	20.0
Dibromofluoromethane (Surr)	Ave	0.2531	0.2550		10.1	10.0	0.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0462	0.0474		10.3	10.0	2.6	20.0
Toluene-d8 (Surr)	Ave	1.223	1.279		10.5	10.0	4.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4966	0.4741		9.55	10.0	-4.5	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X02.D
Lims ID: CCVIS VSTD10
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Mar-2023 19:24:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-003
Misc. Info.: CCVIS
Operator ID: gaw91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Mar-2023 21:54:43 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1665

First Level Reviewer: JS6E Date: 27-Mar-2023 20:00:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.916	1.916	0.000	99	799975	10.0	12.2	
5 Chloromethane	50	2.111	2.111	0.000	99	1153047	10.0	14.1	
6 Butadiene	39	2.227	2.227	0.000	94	865198	10.0	11.2	
7 Vinyl chloride	62	2.227	2.227	0.000	97	1060406	10.0	13.1	M
9 Bromomethane	94	2.556	2.556	0.000	91	647763	10.0	11.4	
10 Chloroethane	64	2.629	2.629	0.000	100	555161	10.0	11.3	
11 Dichlorofluoromethane	67	2.861	2.861	0.000	97	1241544	10.0	11.4	
12 Trichlorofluoromethane	101	2.946	2.946	0.000	98	1071575	10.0	10.9	
14 Ethyl ether	59	3.178	3.178	0.000	92	404116	10.0	9.84	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.263	3.263	0.000	94	759628	10.0	9.93	
16 Acrolein	56	3.349	3.349	0.000	99	2358747	500.0	393.5	M
18 1,1-Dichloroethene	96	3.489	3.489	0.000	98	526953	10.0	9.50	
19 Acetone	43	3.513	3.513	0.000	85	701548	100.0	100.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.526	3.526	0.000	92	518974	10.0	9.59	
21 Isopropyl alcohol	45	3.654	3.654	0.000	40	217491	200.0	166.6	
22 Iodomethane	142	3.678	3.678	0.000	99	1064573	10.0	11.0	
23 Ethyl bromide	108	3.708	3.708	0.000	99	532618	10.0	10.9	
24 Carbon disulfide	76	3.788	3.788	0.000	99	1598095	10.0	10.8	
25 Methyl acetate	43	3.928	3.928	0.000	98	210906	10.0	11.4	M
27 3-Chloro-1-propene	41	3.958	3.958	0.000	93	971188	10.0	10.1	
28 Methylene Chloride	84	4.135	4.135	0.000	94	602945	10.0	10.5	
* 29 t-Butyl alcohol-d10 (IS)	65	4.160	4.160	0.000	99	109083	50.0	50.0	
31 2-Methyl-2-propanol	59	4.275	4.275	0.000	99	443122	200.0	187.8	
32 Acrylonitrile	53	4.464	4.464	0.000	97	260687	25.0	27.7	
33 Methyl tert-butyl ether	73	4.550	4.550	0.000	90	1246170	10.0	10.0	
34 trans-1,2-Dichloroethene	96	4.562	4.562	0.000	99	622381	10.0	10.1	
35 Hexane	57	4.976	4.976	0.000	93	641730	10.0	7.44	
37 1,1-Dichloroethane	63	5.220	5.220	0.000	96	1224456	10.0	10.6	
38 Isopropyl ether	45	5.275	5.275	0.000	94	1956792	10.0	9.98	
39 2-Chloro-1,3-butadiene	53	5.324	5.324	0.000	90	968065	10.0	10.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	5.812	5.812	0.000	97	1656450	10.0	9.55	
42 2-Butanone (MEK)	43	6.007	6.007	0.000	100	1280444	100.0	105.5	
43 cis-1,2-Dichloroethene	96	6.043	6.043	0.000	83	694709	10.0	10.3	
44 2,2-Dichloropropane	77	6.068	6.068	0.000	87	1041330	10.0	10.8	
45 Propionitrile	54	6.092	6.092	0.000	98	690220	200.0	221.7	
48 Methacrylonitrile	67	6.312	6.312	0.000	91	1366256	100.0	101.6	
49 Chlorobromomethane	128	6.379	6.379	0.000	96	284915	10.0	10.5	
50 Tetrahydrofuran	71	6.385	6.385	0.000	83	178313	50.0	51.4	
52 Chloroform	83	6.531	6.531	0.000	93	1175919	10.0	10.8	
$ 53 Dibromofluoromethane (Surr)	113	6.744	6.744	0.000	94	544085	10.0	10.1	
54 1,1,1-Trichloroethane	97	6.763	6.763	0.000	99	1022274	10.0	10.1	
55 Cyclohexane	56	6.866	6.866	0.000	90	927471	10.0	8.08	
56 1,1-Dichloropropene	75	6.970	6.970	0.000	97	862651	10.0	9.43	
57 Carbon tetrachloride	117	6.982	6.982	0.000	97	900389	10.0	10.3	
58 Isobutyl alcohol	41	7.116	7.116	0.000	93	437211	500.0	568.0	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.196	7.196	0.000	76	101141	10.0	10.3	
60 Benzene	78	7.232	7.232	0.000	96	2644798	10.0	9.92	
62 1,2-Dichloroethane	62	7.305	7.305	0.000	98	648630	10.0	11.2	
64 Tert-amyl methyl ether	73	7.433	7.433	0.000	99	1432106	10.0	9.69	
* 65 Fluorobenzene (IS)	96	7.641	7.641	0.000	100	2133930	10.0	10.0	
66 n-Heptane	43	7.659	7.659	0.000	90	659437	10.0	6.99	
68 n-Butanol	56	8.000	8.000	0.000	89	595921	875.0	905.4	
69 Trichloroethene	95	8.122	8.122	0.000	98	704153	10.0	10.0	
70 Methylcyclohexane	83	8.439	8.439	0.000	91	932812	10.0	7.87	
71 1,2-Dichloropropane	63	8.457	8.457	0.000	85	701613	10.0	10.5	
72 2-ethoxy-2-methyl butane	87	8.470	8.470	0.000	93	980232	10.0	10.5	
74 Methyl methacrylate	69	8.537	8.537	0.000	90	250650	10.0	9.36	
73 1,4-Dioxane	88	8.555	8.555	0.000	34	61982	500.0	362.5	
75 Dibromomethane	93	8.567	8.567	0.000	97	292238	10.0	10.5	
77 Dichlorobromomethane	83	8.799	8.799	0.000	99	828622	10.0	11.0	
78 2-Nitropropane	41	9.061	9.061	0.000	99	383515	50.0	57.8	
80 1-Bromo-2-chloroethane	63	9.195	9.195	0.000	98	683863	10.0	11.1	
81 cis-1,3-Dichloropropene	75	9.354	9.354	0.000	96	974184	10.0	10.3	
83 4-Methyl-2-pentanone (MIBK)	43	9.524	9.524	0.000	97	3331646	100.0	101.3	
$ 84 Toluene-d8 (Surr)	98	9.665	9.665	0.000	93	2281463	10.0	10.5	
85 Toluene	92	9.738	9.738	0.000	98	1691413	10.0	10.4	
86 trans-1,3-Dichloropropene	75	10.000	10.000	0.000	92	797705	10.0	11.6	
105 Ethyl methacrylate	69	10.061	10.061	0.000	89	529965	10.0	10.0	
106 1,1,2-Trichloroethane	97	10.201	10.201	0.000	91	420960	10.0	11.0	
107 Tetrachloroethene	166	10.292	10.292	0.000	98	815867	10.0	10.9	
108 1,3-Dichloropropane	76	10.366	10.366	0.000	90	727869	10.0	11.0	
109 2-Hexanone	43	10.414	10.414	0.000	97	2234026	100.0	102.3	
111 Chlorodibromomethane	129	10.579	10.579	0.000	89	561675	10.0	11.8	
112 Ethylene Dibromide	107	10.695	10.695	0.000	98	396989	10.0	11.3	
* 113 Chlorobenzene-d5 (IS)	117	11.122	11.122	0.000	85	1783759	10.0	10.0	
114 1-Chlorohexane	91	11.134	11.134	0.000	98	955781	10.0	9.54	
115 Chlorobenzene	112	11.152	11.152	0.000	96	1964115	10.0	11.4	
116 1,1,1,2-Tetrachloroethane	131	11.231	11.231	0.000	96	675096	10.0	11.4	
118 Ethylbenzene	91	11.237	11.237	0.000	98	3368365	10.0	10.6	
119 m-Xylene & p-Xylene	106	11.353	11.353	0.000	99	2694522	20.0	22.3	
120 o-Xylene	106	11.676	11.676	0.000	97	1262338	10.0	10.8	
121 Styrene	104	11.695	11.695	0.000	94	2039137	10.0	10.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
122 Bromoform	173	11.853	11.853	0.000	97	331478	10.0	12.1	
123 Isopropylbenzene	105	11.981	11.981	0.000	96	3289509	10.0	10.4	
$ 126 4-Bromofluorobenzene (Surr)	95	12.121	12.121	0.000	92	845713	10.0	9.55	
127 1,1,2,2-Tetrachloroethane	83	12.219	12.219	0.000	92	530173	10.0	10.4	
128 Bromobenzene	156	12.237	12.237	0.000	95	793127	10.0	10.4	
129 trans-1,4-Dichloro-2-butene	53	12.243	12.243	0.000	92	1344650	100.0	118.3	
130 1,2,3-Trichloropropane	110	12.268	12.268	0.000	81	134385	10.0	10.5	
131 N-Propylbenzene	91	12.304	12.304	0.000	99	4194423	10.0	9.86	
132 2-Chlorotoluene	126	12.384	12.384	0.000	97	846005	10.0	10.3	
133 1,3,5-Trimethylbenzene	105	12.445	12.445	0.000	95	2933195	10.0	9.88	
134 4-Chlorotoluene	126	12.475	12.475	0.000	97	881369	10.0	10.7	
135 tert-Butylbenzene	134	12.682	12.682	0.000	93	628865	10.0	9.58	
136 Pentachloroethane	167	12.713	12.713	0.000	95	553915	10.0	12.0	
137 1,2,4-Trimethylbenzene	105	12.725	12.725	0.000	97	3081003	10.0	10.3	
138 sec-Butylbenzene	105	12.847	12.847	0.000	94	3759349	10.0	9.67	
139 1,3-Dichlorobenzene	146	12.944	12.944	0.000	98	1710342	10.0	10.8	
140 4-Isopropyltoluene	119	12.951	12.951	0.000	97	3275835	10.0	9.83	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	94	1114006	10.0	10.0	
142 1,4-Dichlorobenzene	146	13.018	13.018	0.000	95	1643497	10.0	10.5	
143 1,2,3-Trimethylbenzene	120	13.024	13.024	0.000	99	1370973	10.0	10.7	
144 Benzyl chloride	126	13.091	13.091	0.000	98	244585	10.0	11.8	
145 p-Diethylbenzene	119	13.152	13.152	0.000	92	1979012	10.0	10.3	
146 n-Butylbenzene	92	13.243	13.243	0.000	98	1641170	10.0	9.76	
147 1,2-Dichlorobenzene	146	13.274	13.274	0.000	99	1531088	10.0	10.9	
149 1,2-Dibromo-3-Chloropropane	155	13.816	13.816	0.000	88	73820	10.0	11.0	
150 1,3,5-Trichlorobenzene	180	13.938	13.938	0.000	98	1203634	10.0	9.79	
151 1,2,4-Trichlorobenzene	180	14.359	14.359	0.000	94	943109	10.0	9.11	
152 Hexachlorobutadiene	225	14.444	14.444	0.000	96	354930	10.0	7.06	
153 Naphthalene	128	14.542	14.542	0.000	97	1405027	10.0	8.41	
154 1,2,3-Trichlorobenzene	180	14.682	14.682	0.000	96	746592	10.0	8.50	
155 2-Methylnaphthalene	142	15.298	15.298	0.000	93	498488	10.0	4.95	
158 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

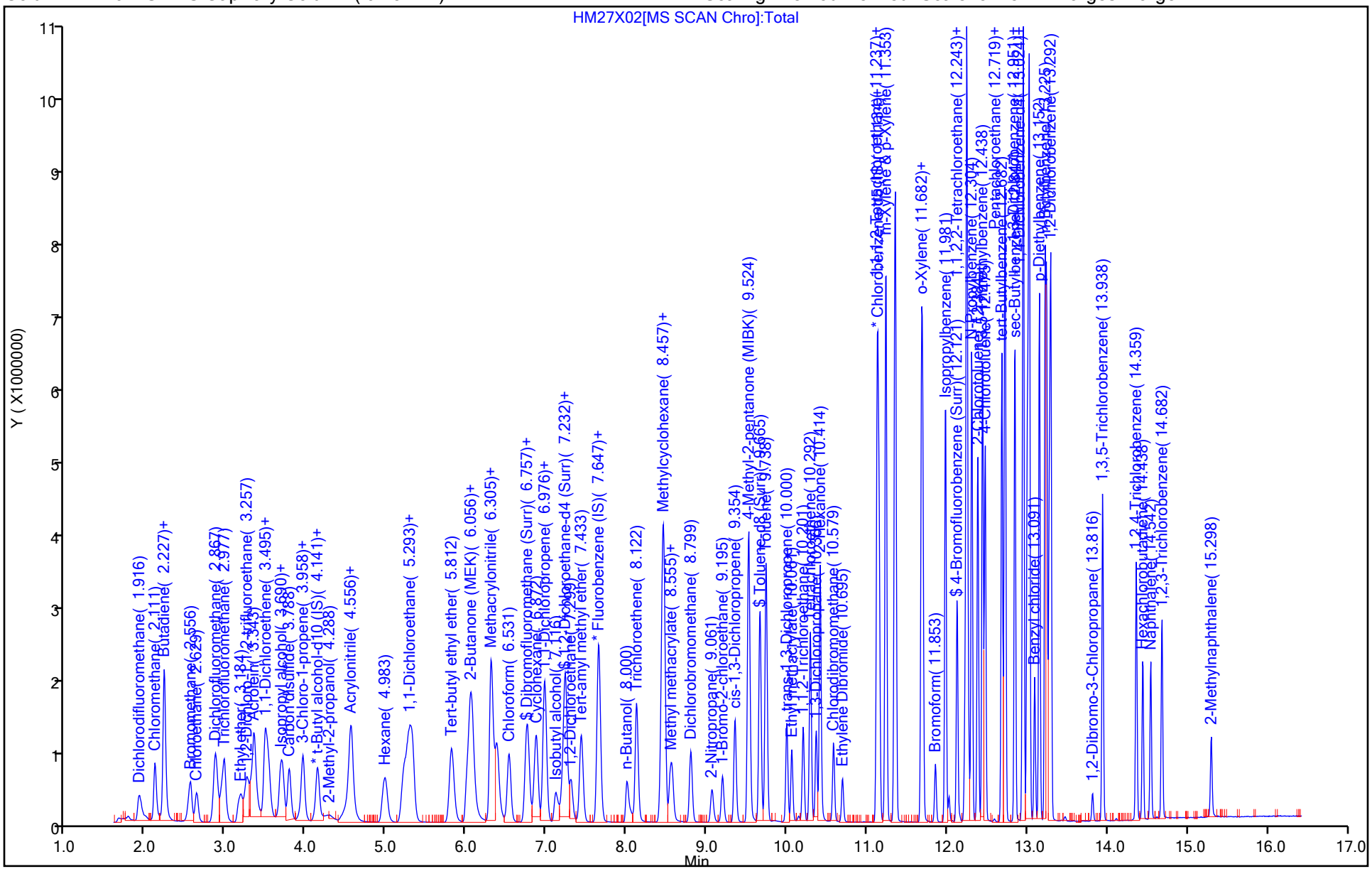
MSV_LL_GAS826_00141	Amount Added: 10.00	Units: uL	
MSV_LL_#1_826_00070	Amount Added: 10.00	Units: uL	
MSV_LL_#2_826_00077	Amount Added: 10.00	Units: uL	
MSV_HP25_ISSS_00066	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 27-Mar-2023 21:54:45 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X02.D				
Injection Date:	27-Mar-2023 19:24:30	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

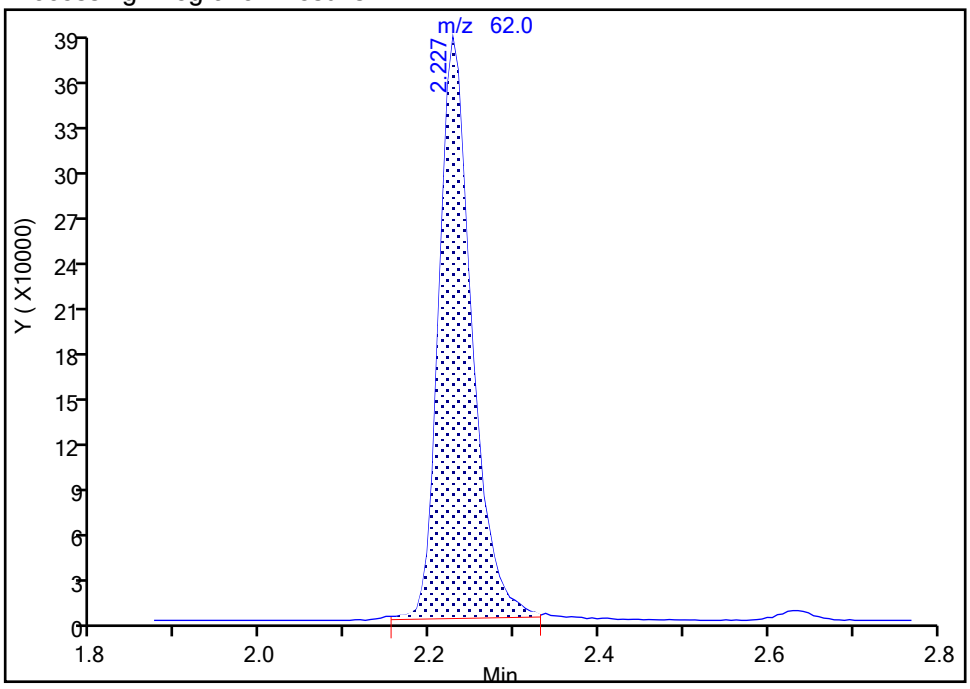
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X02.D				
Injection Date:	27-Mar-2023 19:24:30	Instrument ID:	19094		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

7 Vinyl chloride, CAS: 75-01-4

Signal: 1

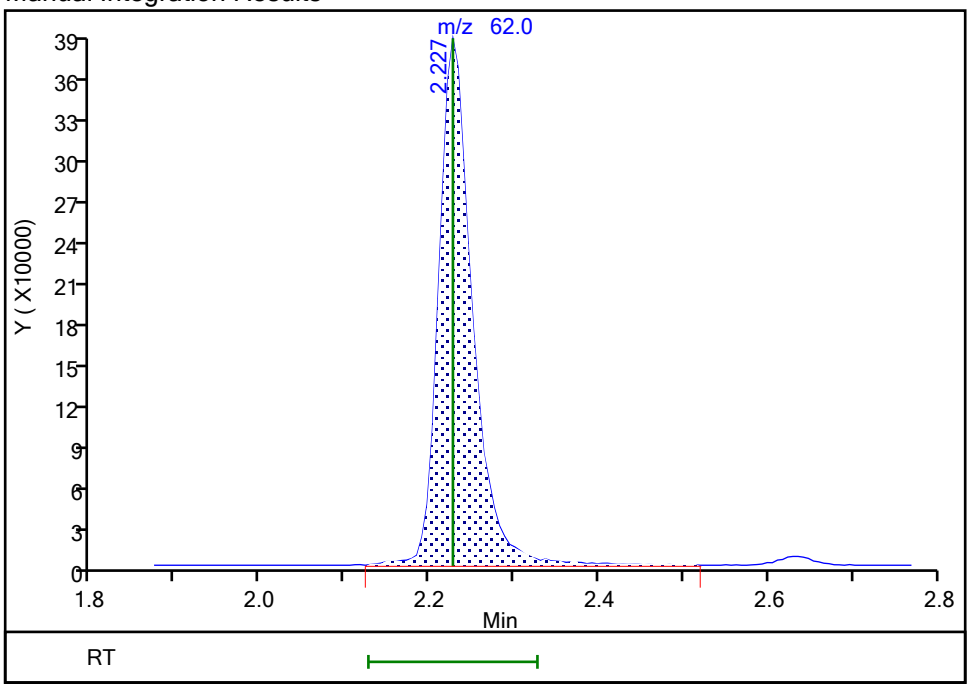
Processing Integration Results

RT: 2.23
Area: 1026286
Amount: 12.649340
Amount Units: ug/l



Manual Integration Results

RT: 2.23
Area: 1060406
Amount: 13.069881
Amount Units: ug/l



Reviewer: JS6E, 27-Mar-2023 19:48:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

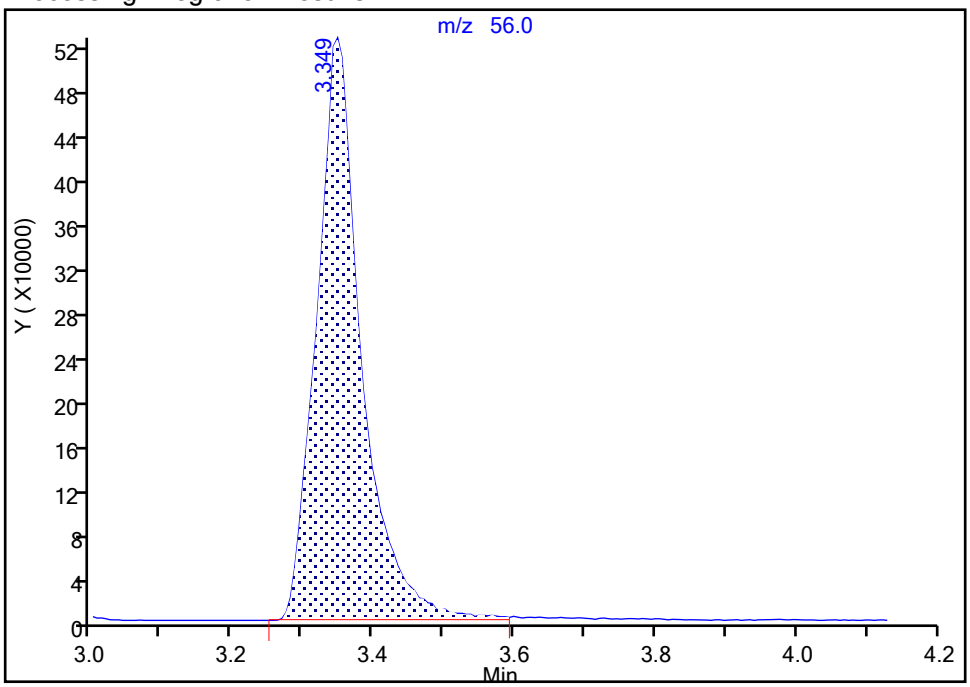
Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X02.D
Injection Date: 27-Mar-2023 19:24:30 Instrument ID: 19094
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

16 Acrolein, CAS: 107-02-8

Signal: 1

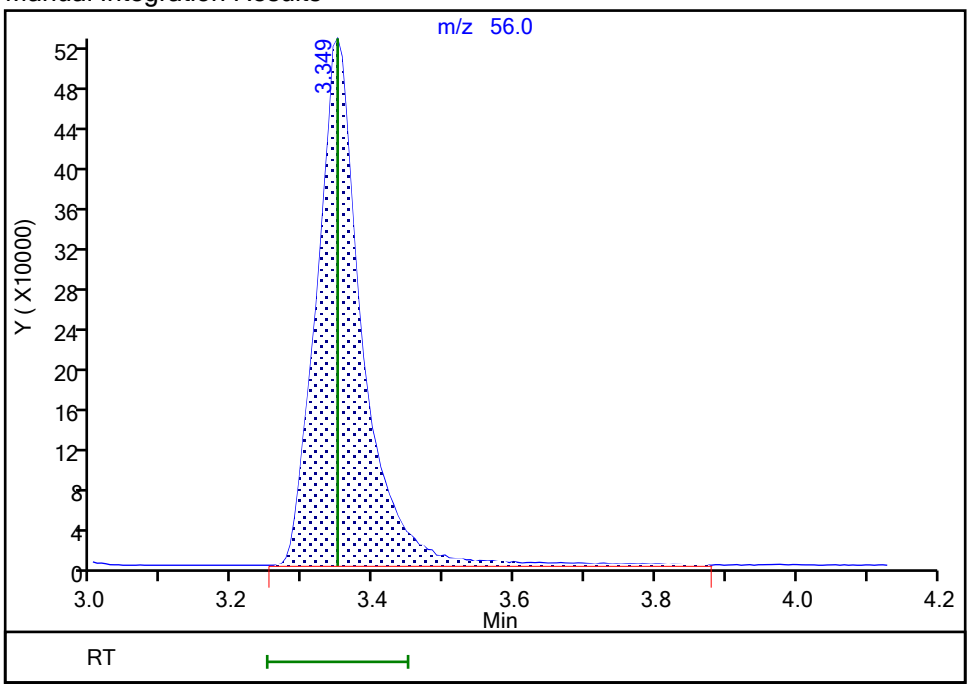
Processing Integration Results

RT: 3.35
Area: 2331290
Amount: 388.9097
Amount Units: ug/l



Manual Integration Results

RT: 3.35
Area: 2358747
Amount: 393.4902
Amount Units: ug/l



Reviewer: JS6E, 27-Mar-2023 19:59:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

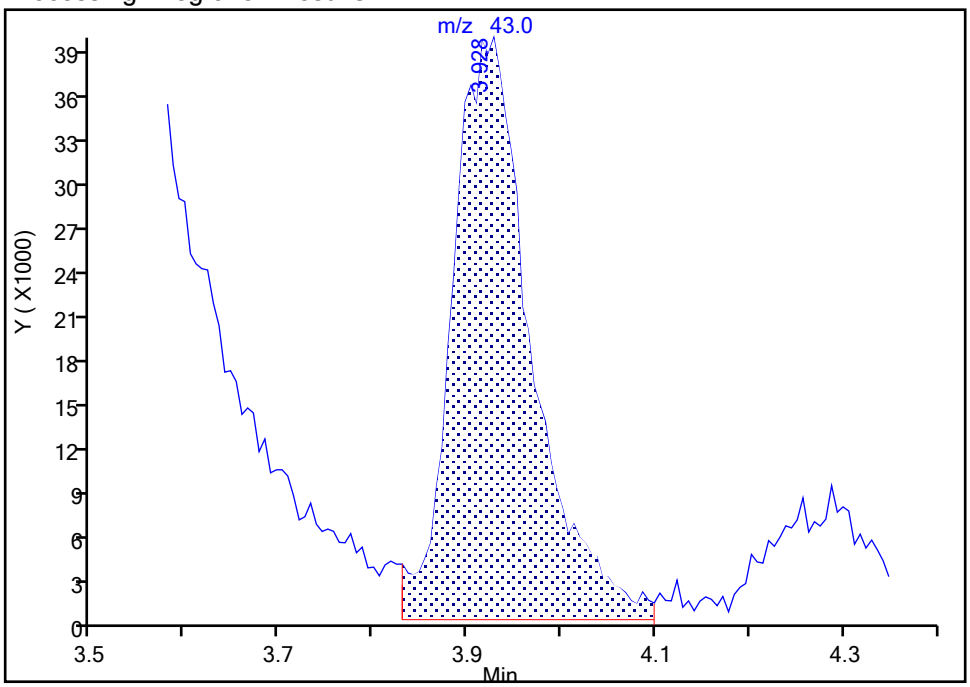
Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X02.D				
Injection Date:	27-Mar-2023 19:24:30	Instrument ID:	19094		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Methyl acetate, CAS: 79-20-9

Signal: 1

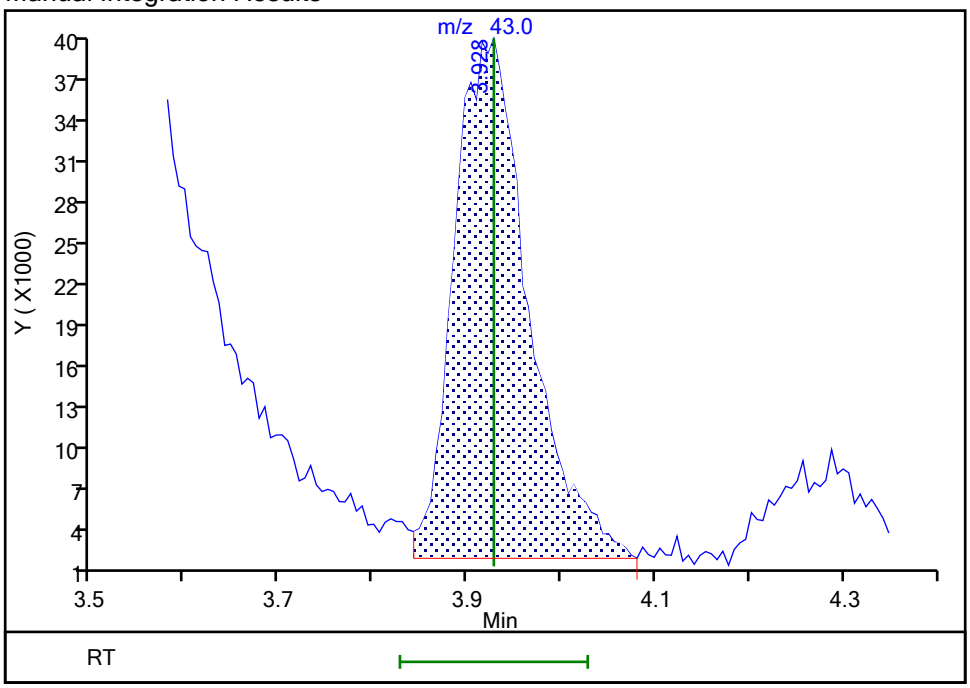
Processing Integration Results

RT: 3.93
Area: 230827
Amount: 12.499717
Amount Units: ug/l



Manual Integration Results

RT: 3.93
Area: 210906
Amount: 11.420958
Amount Units: ug/l



Reviewer: JS6E, 27-Mar-2023 19:52:42

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Lab Sample ID: ICV 410-355532/19 Calibration Date: 03/21/2023 06:23

Instrument ID: 19930 Calib Start Date: 03/21/2023 04:01

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 03/21/2023 06:02

Lab File ID: IM21X18.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	0.3727	0.3748	0.1000	5.03	5.00	0.6	30.0
Chloromethane	Ave	0.4040	0.3866	0.1000	4.78	5.00	-4.3	30.0
Vinyl chloride	Ave	0.3940	0.3819	0.1000	4.85	5.00	-3.1	30.0
1,3-Butadiene	Ave	0.3604	0.3553		4.93	5.00	-1.4	30.0
Bromomethane	Ave	0.3056	0.3055	0.1000	5.00	5.00	-0.0	30.0
Chloroethane	Ave	0.2395	0.2414	0.1000	5.04	5.00	0.8	30.0
Dichlorofluoromethane	Ave	0.6414	0.6378		4.97	5.00	-0.6	30.0
Trichlorofluoromethane	Ave	0.6363	0.5490	0.1000	4.31	5.00	-13.7	30.0
Ethyl ether	Ave	0.2084	0.2005		4.80	4.99	-3.8	30.0
Freon 123a	Ave	0.3557	0.3586		5.04	5.00	0.8	30.0
Acrolein	Ave	2.653	2.750		38.9	37.5	3.6	30.0
1,1-Dichloroethene	Ave	0.2576	0.2632	0.1000	5.11	5.00	2.2	30.0
Acetone	Ave	3.205	2.690	0.1000	52.5	62.5	-16.1	30.0
Freon 113	Ave	0.2932	0.2884	0.1000	4.92	5.00	-1.6	30.0
Methyl iodide	Ave	0.5587	0.5317		4.76	5.00	-4.8	30.0
Ethyl bromide	Ave	0.2404	0.2196		4.50	4.93	-8.7	30.0
Carbon disulfide	Ave	0.7224	0.6798	0.1000	4.71	5.00	-5.9	30.0
Methyl acetate	Ave	11.47	10.60	0.1000	4.62	5.00	-7.6	30.0
Allyl chloride	Ave	0.4338	0.4175		4.81	5.00	-3.7	30.0
Methylene Chloride	Ave	0.2737	0.2721	0.1000	4.97	5.00	-0.6	30.0
t-Butyl alcohol	Ave	1.042	0.8970		43.0	50.0	-13.9	30.0
Acrylonitrile	Ave	3.897	4.255		27.3	25.0	9.2	30.0
Methyl tertiary butyl ether	Ave	0.6624	0.6322	0.1000	4.77	5.00	-4.6	30.0
trans-1,2-Dichloroethene	Ave	0.2899	0.2808	0.1000	4.84	5.00	-3.1	30.0
n-Hexane	Ave	0.3826	0.3739		4.89	5.00	-2.3	30.0
1,1-Dichloroethane	Ave	0.5259	0.5181	0.2000	4.93	5.00	-1.5	30.0
di-Isopropyl ether	Ave	0.8781	0.8472		4.82	5.00	-3.5	30.0
2-Chloro-1,3-butadiene	Ave	0.4455	0.4355		4.89	5.00	-2.2	30.0
Ethyl t-butyl ether	Ave	0.6090	0.6087		5.00	5.00	-0.0	30.0
2-Butanone	Ave	5.918	6.126	0.1000	64.7	62.5	3.5	30.0
cis-1,2-Dichloroethene	Ave	0.3168	0.3235	0.1000	5.10	5.00	2.1	30.0
2,2-Dichloropropane	Ave	0.4783	0.4954		5.18	5.00	3.6	30.0
Propionitrile	Ave	1.373	1.225		33.5	37.5	-10.7	30.0
Methacrylonitrile	Ave	6.302	6.626		39.4	37.5	5.1	30.0
Bromochloromethane	Ave	0.1475	0.1518		5.14	5.00	2.9	30.0
Tetrahydrofuran	Ave	1.816	1.793		24.7	25.0	-1.3	30.0
Chloroform	Ave	0.5403	0.5376	0.2000	4.97	5.00	-0.5	30.0
1,1,1-Trichloroethane	Ave	0.5104	0.5222	0.1000	5.12	5.00	2.3	30.0
Cyclohexane	Ave	0.4855	0.4847	0.1000	4.99	5.00	-0.2	30.0
1,1-Dichloropropene	Ave	0.3971	0.4165		5.24	5.00	4.9	30.0
Carbon tetrachloride	Ave	0.4724	0.4889	0.1000	5.17	5.00	3.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Lab Sample ID: ICV 410-355532/19 Calibration Date: 03/21/2023 06:23

Instrument ID: 19930 Calib Start Date: 03/21/2023 04:01

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 03/21/2023 06:02

Lab File ID: IM21X18.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
Isobutyl alcohol	Ave	0.3732	0.2759		92.4	125	-26.1	30.0
Benzene	Ave	1.160	1.173	0.5000	5.06	5.00	1.2	30.0
1,2-Dichloroethane	Ave	0.3556	0.3433	0.1000	4.83	5.00	-3.5	30.0
t-Amyl methyl ether	Ave	0.4700	0.4712		5.01	5.00	0.3	30.0
n-Heptane	Ave	0.3988	0.3715		4.66	5.00	-6.9	30.0
n-Butanol	Ave	0.2700	0.1628		151	250	-39.7*	30.0
Trichloroethene	Ave	0.3269	0.3185	0.2000	4.87	5.00	-2.6	30.0
Methylcyclohexane	Ave	0.5385	0.5366	0.1000	4.98	5.00	-0.3	30.0
1,2-Dichloropropane	Ave	0.2922	0.2980	0.1000	5.10	5.00	2.0	30.0
Methyl methacrylate	Ave	12.78	13.24		5.18	5.00	3.6	30.0
Dibromomethane	Ave	0.1495	0.1564		5.23	5.00	4.6	30.0
1,4-Dioxane	Ave	0.0840	0.0392	0.0050	58.3	125	-53.4*	30.0
Bromodichloromethane	Ave	0.3873	0.3929	0.2000	5.07	5.00	1.4	30.0
2-Nitropropane	Ave	4.563	4.289		4.70	5.00	-6.0	30.0
1-Bromo-2-chloroethane	Ave	0.2756	0.2751		4.99	5.00	-0.2	30.0
cis-1,3-Dichloropropene	Ave	0.4474	0.4470	0.2000	5.00	5.00	-0.0	30.0
4-Methyl-2-pentanone	Ave	17.54	18.78	0.1000	66.9	62.5	7.1	30.0
Toluene	Ave	0.9925	1.000	0.4000	5.04	5.00	0.8	30.0
trans-1,3-Dichloropropene	Ave	0.4821	0.4872	0.1000	5.05	5.00	1.1	30.0
Ethyl methacrylate	Ave	0.3741	0.3679		4.92	5.00	-1.7	30.0
1,1,2-Trichloroethane	Ave	0.2715	0.2723	0.1000	5.02	5.00	0.3	30.0
Tetrachloroethene	Ave	0.5350	0.5379	0.2000	5.03	5.00	0.5	30.0
1,3-Dichloropropane	Ave	0.4475	0.4603		5.14	5.00	2.9	30.0
2-Hexanone	Ave	12.23	13.11	0.1000	67.0	62.5	7.2	30.0
Dibromochloromethane	Ave	0.3738	0.3806		5.09	5.00	1.8	30.0
1,2-Dibromoethane	Ave	0.2631	0.2685	0.1000	5.10	5.00	2.1	30.0
1-Chlorohexane	Ave	0.5717	0.5477		4.79	5.00	-4.2	30.0
Chlorobenzene	Ave	1.141	1.134	0.5000	4.97	5.00	-0.6	30.0
1,1,1,2-Tetrachloroethane	Ave	0.4194	0.4413		5.26	5.00	5.2	30.0
Ethylbenzene	Ave	1.933	1.962	0.1000	5.08	5.00	1.5	30.0
m&p-Xylene	Ave	0.7702	0.7944	0.1000	10.3	10.0	3.1	30.0
o-Xylene	Ave	0.7530	0.7725	0.3000	5.13	5.00	2.6	30.0
Styrene	Ave	1.168	1.221	0.3000	5.23	5.00	4.5	30.0
Bromoform	Ave	0.2436	0.2441	0.1000	5.01	5.00	0.2	30.0
Isopropylbenzene	Ave	1.977	2.085	0.1000	5.27	5.00	5.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5511	0.5412	0.3000	4.91	5.00	-1.8	30.0
Bromobenzene	Ave	0.8229	0.8204		4.98	5.00	-0.3	30.0
trans-1,4-Dichloro-2-butene	Ave	6.893	7.113		25.8	25.0	3.2	30.0
1,2,3-Trichloropropane	Ave	0.1558	0.1538		4.94	5.00	-1.3	30.0
N-Propylbenzene	Ave	3.612	3.700		5.12	5.00	2.4	30.0
2-Chlorotoluene	Ave	0.7797	0.7911		5.07	5.00	1.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Lab Sample ID: ICV 410-355532/19 Calibration Date: 03/21/2023 06:23

Instrument ID: 19930 Calib Start Date: 03/21/2023 04:01

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 03/21/2023 06:02

Lab File ID: IM21X18.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
1,3,5-Trimethylbenzene	Ave	2.706	2.778		5.13	5.00	2.6	30.0
4-Chlorotoluene	Ave	0.7781	0.7924		5.09	5.00	1.8	30.0
tert-Butylbenzene	Ave	0.6706	0.6892		5.14	5.00	2.8	30.0
Pentachloroethane	Ave	0.5200	0.5222		5.02	5.00	0.4	30.0
1,2,4-Trimethylbenzene	Ave	2.780	2.813		5.06	5.00	1.2	30.0
sec-Butylbenzene	Ave	3.441	3.558		5.17	5.00	3.4	30.0
1,3-Dichlorobenzene	Ave	1.546	1.537	0.6000	4.97	5.00	-0.6	30.0
p-Isopropyltoluene	Ave	3.074	3.171		5.16	5.00	3.1	30.0
1,4-Dichlorobenzene	Ave	1.511	1.554	0.5000	5.14	5.00	2.8	30.0
1,2,3-Trimethylbenzene	Ave	1.285	1.242		4.83	5.00	-3.3	30.0
Benzyl chloride	Ave	0.2173	0.2159		4.97	5.00	-0.7	30.0
n-Butylbenzene	Ave	1.350	1.390		5.15	5.00	2.9	30.0
1,2-Dichlorobenzene	Ave	1.468	1.454	0.4000	4.95	5.00	-0.9	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0905	0.0815	0.0500	4.50	5.00	-9.9	30.0
1,3,5-Trichlorobenzene	Ave	1.171	1.141		4.87	5.00	-2.6	30.0
1,2,4-Trichlorobenzene	Ave	0.9419	0.9137	0.2000	4.85	5.00	-3.0	30.0
Hexachlorobutadiene	Ave	0.5406	0.5177		4.79	5.00	-4.2	30.0
Naphthalene	Ave	1.753	1.574		4.49	5.00	-10.2	30.0
1,2,3-Trichlorobenzene	Ave	0.8552	0.7769		4.54	5.00	-9.2	30.0
Dibromofluoromethane (Surr)	Ave	0.2649	0.2640		9.97	10.0	-0.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0503	0.0511		10.2	10.0	1.8	30.0
Toluene-d8 (Surr)	Ave	1.287	1.292		10.0	10.0	0.3	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4693	0.4698		10.0	10.0	0.1	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X18.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 21-Mar-2023 06:23:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079468-019
Operator ID: mec29284 Instrument ID: 19930
Sublist:

Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 21-Mar-2023 17:39:19 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 16:38:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	440705	5.00	5.03	
4 Chloromethane	50	2.093	2.087	0.006	99	454642	5.00	4.78	
5 Vinyl chloride	62	2.209	2.203	0.006	98	449044	5.00	4.85	
6 Butadiene	39	2.215	2.209	0.006	95	417750	5.00	4.93	
7 Bromomethane	94	2.532	2.526	0.006	93	359202	5.00	5.00	
8 Chloroethane	64	2.605	2.599	0.006	99	283837	5.00	5.04	
9 Dichlorofluoromethane	67	2.843	2.837	0.006	98	749944	5.00	4.97	
10 Trichlorofluoromethane	101	2.910	2.898	0.012	97	645547	5.00	4.31	
11 Ethyl ether	59	3.148	3.135	0.013	91	235181	4.99	4.80	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.227	3.227	0.000	90	421615	5.00	5.04	
14 Acrolein	56	3.312	3.306	0.006	96	246651	37.5	38.9	
15 1,1-Dichloroethene	96	3.446	3.434	0.012	98	309444	5.00	5.11	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.483	3.477	0.006	90	339162	5.00	4.92	
16 Acetone	43	3.477	3.477	0.000	77	402171	62.5	52.5	
18 Iodomethane	142	3.635	3.629	0.006	100	625241	5.00	4.76	
19 Ethyl bromide	108	3.666	3.660	0.006	99	254376	4.93	4.50	
20 Carbon disulfide	76	3.739	3.733	0.006	100	799344	5.00	4.71	
23 Methyl acetate	43	3.891	3.879	0.012	96	126821	5.00	4.62	M
24 3-Chloro-1-propene	41	3.904	3.897	0.007	88	490953	5.00	4.81	
25 Methylene Chloride	84	4.086	4.086	0.000	93	319903	5.00	4.97	
* 26 t-Butyl alcohol-d10 (IS)	65	4.172	4.135	0.037	99	119620	50.0	50.0	
27 2-Methyl-2-propanol	59	4.281	4.263	0.018	99	107301	50.0	43.0	
28 Acrylonitrile	53	4.422	4.416	0.006	97	254468	25.0	27.3	
29 Methyl tert-butyl ether	73	4.489	4.477	0.012	90	743384	5.00	4.77	
30 trans-1,2-Dichloroethene	96	4.495	4.495	0.000	99	330220	5.00	4.84	
31 Hexane	57	4.922	4.915	0.007	95	439713	5.00	4.89	
32 1,1-Dichloroethane	63	5.153	5.147	0.006	96	609266	5.00	4.93	
35 Isopropyl ether	45	5.214	5.214	0.000	91	996224	5.00	4.82	
36 2-Chloro-1,3-butadiene	53	5.263	5.263	0.000	93	512095	5.00	4.89	
37 Tert-butyl ethyl ether	59	5.751	5.751	0.000	97	715742	5.00	5.00	
38 2-Butanone (MEK)	43	5.958	5.958	0.000	100	915962	62.5	64.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	5.988	5.982	0.006	83	380339	5.00	5.10	
40 2,2-Dichloropropane	77	6.001	5.995	0.006	87	582489	5.00	5.18	
43 Propionitrile	54	6.049	6.056	-0.007	96	109924	37.5	33.5	
45 Methacrylonitrile	67	6.251	6.244	0.007	93	594437	37.5	39.4	
46 Chlorobromomethane	128	6.312	6.318	-0.006	91	178463	5.00	5.14	
47 Tetrahydrofuran	71	6.330	6.330	0.000	73	107231	25.0	24.7	
48 Chloroform	83	6.470	6.464	0.006	94	632108	5.00	4.97	
$ 49 Dibromofluoromethane (Surr)	113	6.683	6.677	0.006	94	620940	10.0	9.97	
50 1,1,1-Trichloroethane	97	6.696	6.690	0.006	98	613992	5.00	5.12	
51 Cyclohexane	56	6.793	6.793	0.000	92	569963	5.00	4.99	
53 1,1-Dichloropropene	75	6.903	6.903	0.000	92	489714	5.00	5.24	
54 Carbon tetrachloride	117	6.909	6.909	0.000	95	574844	5.00	5.17	
55 Isobutyl alcohol	41	7.086	7.092	-0.006	89	82508	125.0	92.4	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.135	7.135	0.000	88	120263	10.0	10.2	
57 Benzene	78	7.165	7.165	0.000	98	1379585	5.00	5.06	
58 1,2-Dichloroethane	62	7.238	7.238	0.000	97	403642	5.00	4.83	
60 Tert-amyl methyl ether	73	7.360	7.354	0.006	98	554100	5.00	5.01	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2351747	10.0	10.0	
62 n-Heptane	43	7.586	7.580	0.006	91	436790	5.00	4.66	
63 n-Butanol	56	7.994	7.976	0.018	89	97378	250.0	150.7	
64 Trichloroethene	95	8.049	8.049	0.000	96	374516	5.00	4.87	
65 Methylcyclohexane	83	8.360	8.360	0.000	91	631000	5.00	4.98	
66 1,2-Dichloropropane	63	8.378	8.378	0.000	91	350408	5.00	5.10	
67 Methyl methacrylate	69	8.470	8.464	0.006	89	158328	5.00	5.18	
69 Dibromomethane	93	8.494	8.488	0.006	92	183937	5.00	5.23	
68 1,4-Dioxane	88	8.506	8.537	-0.031	28	11710	125.0	58.3	
71 Dichlorobromomethane	83	8.726	8.726	0.000	98	462012	5.00	5.07	
72 2-Nitropropane	41	8.994	8.994	0.000	97	51305	5.00	4.70	
75 1-Bromo-2-chloroethane	63	9.122	9.122	0.000	99	323509	5.00	4.99	
76 cis-1,3-Dichloropropene	75	9.281	9.280	0.000	94	525581	5.00	5.00	
77 4-Methyl-2-pentanone (MIBK)	43	9.451	9.451	0.000	98	2808655	62.5	66.9	
$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2396357	10.0	10.0	
79 Toluene	92	9.671	9.671	0.000	98	927679	5.00	5.04	
97 trans-1,3-Dichloropropene	75	9.933	9.933	0.000	95	451987	5.00	5.05	
99 Ethyl methacrylate	69	9.994	9.994	0.000	89	341308	5.00	4.92	
100 1,1,2-Trichloroethane	97	10.140	10.134	0.006	93	252624	5.00	5.02	
101 Tetrachloroethene	166	10.225	10.225	0.000	98	498971	5.00	5.03	
102 1,3-Dichloropropane	76	10.299	10.299	0.000	92	426985	5.00	5.14	
103 2-Hexanone	43	10.353	10.353	0.000	98	1960209	62.5	67.0	
105 Chlorodibromomethane	129	10.518	10.518	0.000	90	353054	5.00	5.09	
106 Ethylene Dibromide	107	10.628	10.628	0.000	98	249111	5.00	5.10	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	85	1855345	10.0	10.0	
108 1-Chlorohexane	91	11.073	11.073	0.000	98	508110	5.00	4.79	
109 Chlorobenzene	112	11.085	11.091	-0.006	95	1051657	5.00	4.97	
111 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	94	409415	5.00	5.26	
112 Ethylbenzene	91	11.176	11.176	0.000	98	1819891	5.00	5.08	
113 m-Xylene & p-Xylene	106	11.292	11.292	0.000	94	1473862	10.0	10.3	
114 o-Xylene	106	11.622	11.621	0.001	95	716659	5.00	5.13	
115 Styrene	104	11.634	11.634	0.000	93	1132567	5.00	5.23	
116 Bromoform	173	11.792	11.792	0.000	97	226418	5.00	5.01	
117 Isopropylbenzene	105	11.920	11.920	0.000	96	1934244	5.00	5.27	
$ 120 4-Bromofluorobenzene (Surr)	95	12.067	12.067	0.000	96	871567	10.0	10.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	95	314274	5.00	4.91	
122 Bromobenzene	156	12.182	12.182	0.000	90	476354	5.00	4.98	
123 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	94	425435	25.0	25.8	
124 1,2,3-Trichloropropane	110	12.213	12.213	0.000	85	89310	5.00	4.94	
125 N-Propylbenzene	91	12.249	12.249	0.000	99	2148166	5.00	5.12	
126 2-Chlorotoluene	126	12.329	12.329	0.000	97	459387	5.00	5.07	
127 1,3,5-Trimethylbenzene	105	12.390	12.384	0.006	95	1612969	5.00	5.13	
128 4-Chlorotoluene	126	12.420	12.420	0.000	97	460128	5.00	5.09	
129 tert-Butylbenzene	134	12.627	12.627	0.000	93	400188	5.00	5.14	
130 Pentachloroethane	167	12.664	12.664	0.000	92	303231	5.00	5.02	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	1633306	5.00	5.06	
132 sec-Butylbenzene	105	12.792	12.792	0.000	94	2065790	5.00	5.17	
133 1,3-Dichlorobenzene	146	12.890	12.890	0.000	99	892420	5.00	4.97	
134 4-Isopropyltoluene	119	12.902	12.902	0.000	97	1841246	5.00	5.16	
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1161321	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	902228	5.00	5.14	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	721426	5.00	4.83	
138 Benzyl chloride	126	13.042	13.042	0.000	99	125351	5.00	4.97	
139 n-Butylbenzene	92	13.194	13.188	0.006	97	807203	5.00	5.15	
140 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	844375	5.00	4.95	
142 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	87	47315	5.00	4.50	
143 1,3,5-Trichlorobenzene	180	13.895	13.889	0.006	98	662490	5.00	4.87	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	530576	5.00	4.85	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	96	300582	5.00	4.79	
146 Naphthalene	128	14.493	14.493	0.000	97	914175	5.00	4.49	
147 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	451134	5.00	4.54	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00101	Amount Added:	12.50	Units: uL	
MSV_LCS_ACROL_00103	Amount Added:	12.50	Units: uL	
LCS_ETBR_00005	Amount Added:	12.50	Units: uL	
MSV_LCS_EE_00004	Amount Added:	12.50	Units: uL	
MSV_QC_Gas826_00131	Amount Added:	12.50	Units: uL	
MSV_LCS_Penta_00026	Amount Added:	12.50	Units: uL	
MSV_LLcentISS_00006	Amount Added:	5.00	Units: uL	Run Reagent

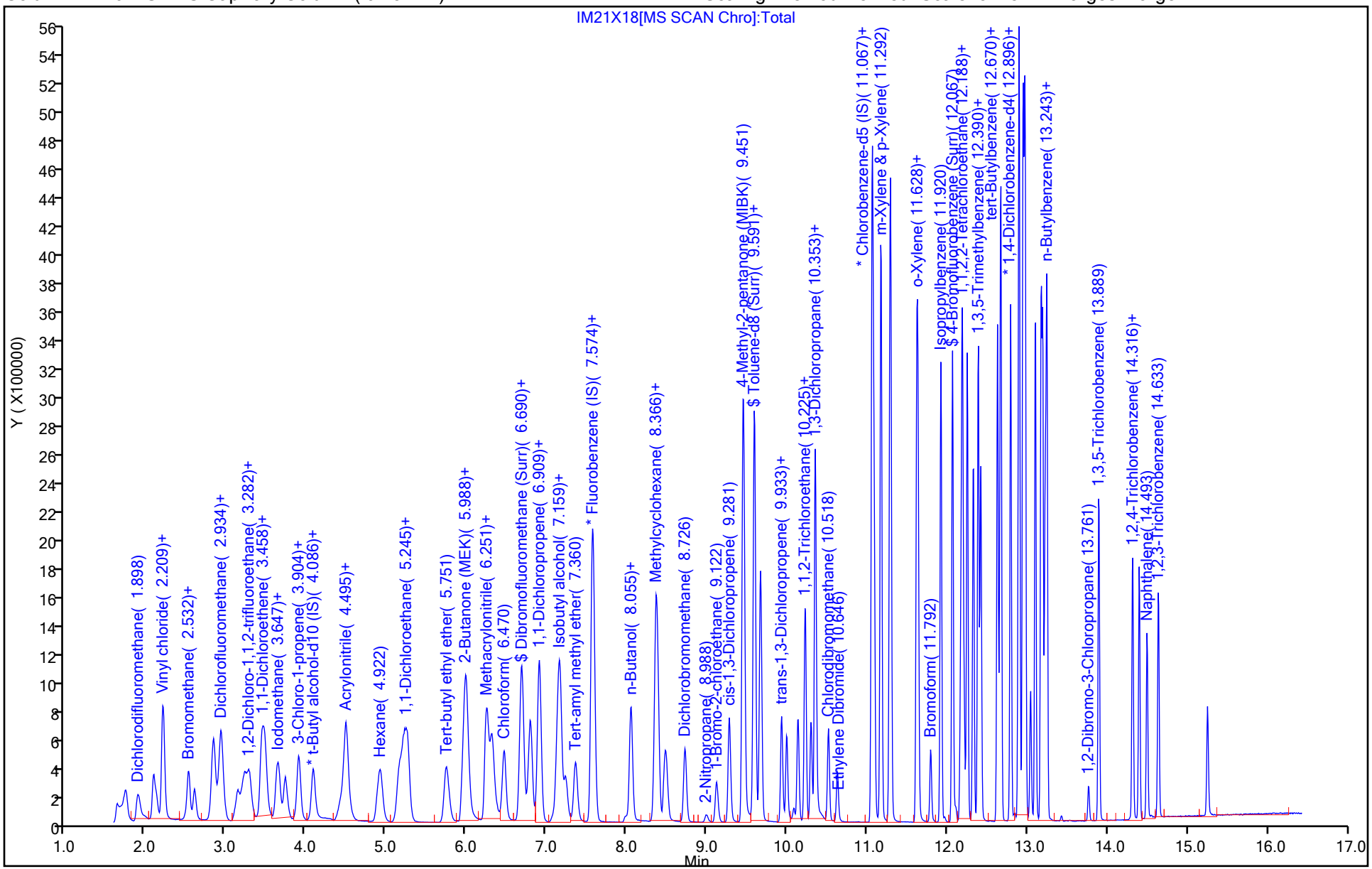
Report Date: 21-Mar-2023 17:39:24 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X18.D

Injection Date:	21-Mar-2023 06:23:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	ICV			Worklist Smp#:	19
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

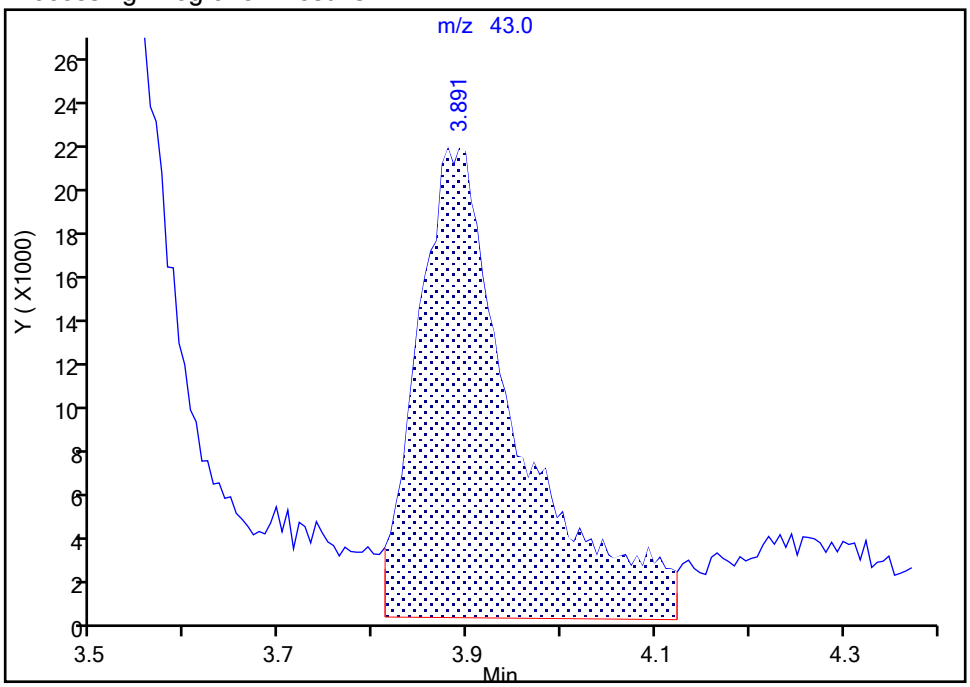
Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X18.D				
Injection Date:	21-Mar-2023 06:23:30	Instrument ID:	19930		
Lims ID:	ICV				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

23 Methyl acetate, CAS: 79-20-9

Signal: 1

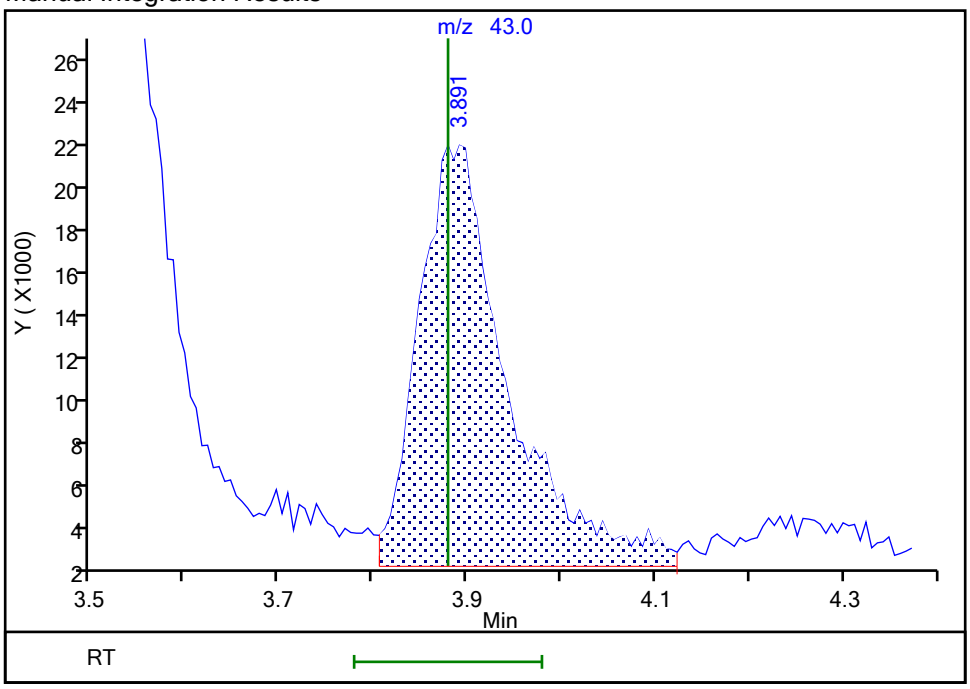
Processing Integration Results

RT: 3.89
Area: 154022
Amount: 5.612031
Amount Units: ug/l



Manual Integration Results

RT: 3.89
Area: 126821
Amount: 4.620921
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 17:38:45

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Lab Sample ID: CCVIS 410-358849/3 Calibration Date: 03/29/2023 20:06

Instrument ID: 19930 Calib Start Date: 03/21/2023 04:01

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 03/21/2023 06:02

Lab File ID: IM29X02.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	0.3727	0.4408	0.1000	11.8	10.0	18.3	20.0
Chloromethane	Ave	0.4040	0.4304	0.1000	10.7	10.0	6.5	20.0
Vinyl chloride	Ave	0.3940	0.4215	0.1000	10.7	10.0	7.0	20.0
1,3-Butadiene	Ave	0.3604	0.4028		11.2	10.0	11.8	20.0
Bromomethane	Ave	0.3056	0.3162	0.1000	10.3	10.0	3.5	20.0
Chloroethane	Ave	0.2395	0.2478	0.1000	10.4	10.0	3.5	20.0
Dichlorofluoromethane	Ave	0.6414	0.6389		9.96	10.0	-0.4	20.0
Trichlorofluoromethane	Ave	0.6363	0.6614	0.1000	10.4	10.0	3.9	20.0
Ethyl ether	Ave	0.2084	0.2065		9.91	10.0	-0.9	20.0
Freon 123a	Ave	0.3557	0.3524		9.91	10.0	-0.9	20.0
Acrolein	Ave	2.653	2.149		405	500	-19.0	20.0
1,1-Dichloroethene	Ave	0.2576	0.2330	0.1000	9.05	10.0	-9.5	20.0
Acetone	Ave	3.205	2.795	0.1000	87.2	100	-12.8	20.0
Freon 113	Ave	0.2932	0.2793	0.1000	9.52	10.0	-4.8	20.0
Methyl iodide	Ave	0.5587	0.5184		9.28	10.0	-7.2	20.0
Ethyl bromide	Ave	0.2404	0.2386		9.95	10.0	-0.7	20.0
Carbon disulfide	Ave	0.7224	0.6030	0.1000	8.35	10.0	-16.5	20.0
Methyl acetate	Ave	11.47	9.907	0.1000	8.64	10.0	-13.6	20.0
Allyl chloride	Ave	0.4338	0.3911		9.02	10.0	-9.8	20.0
Methylene Chloride	Ave	0.2737	0.2602	0.1000	9.51	10.0	-4.9	20.0
t-Butyl alcohol	Ave	1.042	1.015		195	200	-2.6	20.0
Acrylonitrile	Ave	3.897	4.011		25.7	25.0	2.9	20.0
Methyl tertiary butyl ether	Ave	0.6624	0.6449	0.1000	9.74	10.0	-2.6	20.0
trans-1,2-Dichloroethene	Ave	0.2899	0.2645	0.1000	9.12	10.0	-8.8	20.0
n-Hexane	Ave	0.3826	0.3420		8.94	10.0	-10.6	20.0
1,1-Dichloroethane	Ave	0.5259	0.5066	0.2000	9.63	10.0	-3.7	20.0
di-Isopropyl ether	Ave	0.8781	0.8544		9.73	10.0	-2.7	20.0
2-Chloro-1,3-butadiene	Ave	0.4455	0.4237		9.51	10.0	-4.9	20.0
Ethyl t-butyl ether	Ave	0.6090	0.5781		9.49	10.0	-5.1	20.0
2-Butanone	Ave	5.918	5.568	0.1000	94.1	100	-5.9	20.0
cis-1,2-Dichloroethene	Ave	0.3168	0.3086	0.1000	9.74	10.0	-2.6	20.0
2,2-Dichloropropane	Ave	0.4783	0.4695		9.82	10.0	-1.8	20.0
Propionitrile	Ave	1.373	1.263		184	200	-8.0	20.0
Methacrylonitrile	Ave	6.302	5.801		92.1	100	-7.9	20.0
Bromochloromethane	Ave	0.1475	0.1482		10.0	10.0	0.5	20.0
Tetrahydrofuran	Ave	1.816	1.679		46.2	50.0	-7.6	20.0
Chloroform	Ave	0.5403	0.5341	0.2000	9.89	10.0	-1.1	20.0
1,1,1-Trichloroethane	Ave	0.5104	0.5018	0.1000	9.83	10.0	-1.7	20.0
Cyclohexane	Ave	0.4855	0.4473	0.1000	9.21	10.0	-7.9	20.0
1,1-Dichloropropene	Ave	0.3971	0.3811		9.60	10.0	-4.0	20.0
Carbon tetrachloride	Ave	0.4724	0.4711	0.1000	9.97	10.0	-0.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Lab Sample ID: CCVIS 410-358849/3 Calibration Date: 03/29/2023 20:06

Instrument ID: 19930 Calib Start Date: 03/21/2023 04:01

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 03/21/2023 06:02

Lab File ID: IM29X02.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
Isobutyl alcohol	Ave	0.3732	0.3424		459	500	-8.2	20.0
Benzene	Ave	1.160	1.119	0.5000	9.65	10.0	-3.5	20.0
1,2-Dichloroethane	Ave	0.3556	0.3464	0.1000	9.74	10.0	-2.6	20.0
t-Amyl methyl ether	Ave	0.4700	0.4495		9.56	10.0	-4.4	20.0
n-Heptane	Ave	0.3988	0.3679		9.22	10.0	-7.8	20.0
n-Butanol	Ave	0.2700	0.2322		753	875	-14.0	20.0
Trichloroethene	Ave	0.3269	0.3148	0.2000	9.63	10.0	-3.7	20.0
Methylcyclohexane	Ave	0.5385	0.5087	0.1000	9.45	10.0	-5.5	20.0
1,2-Dichloropropane	Ave	0.2922	0.2947	0.1000	10.1	10.0	0.9	20.0
Methyl methacrylate	Ave	12.78	11.80		9.23	10.0	-7.7	20.0
1,4-Dioxane	Ave	0.0840	0.0391	0.0050	233	500	-53.5*	20.0
Dibromomethane	Ave	0.1495	0.1534		10.3	10.0	2.6	20.0
Bromodichloromethane	Ave	0.3873	0.3981	0.2000	10.3	10.0	2.8	20.0
2-Nitropropane	Ave	4.563	4.075		44.7	50.0	-10.7	20.0
1-Bromo-2-chloroethane	Ave	0.2756	0.3180		11.5	10.0	15.4	20.0
cis-1,3-Dichloropropene	Ave	0.4474	0.4629	0.2000	10.3	10.0	3.5	20.0
4-Methyl-2-pentanone	Ave	17.54	16.27	0.1000	92.8	100	-7.2	20.0
Toluene	Ave	0.9925	0.9242	0.4000	9.31	10.0	-6.9	20.0
trans-1,3-Dichloropropene	Ave	0.4821	0.4975	0.1000	10.3	10.0	3.2	20.0
Ethyl methacrylate	Ave	0.3741	0.3835		10.3	10.0	2.5	20.0
1,1,2-Trichloroethane	Ave	0.2715	0.2721	0.1000	10.0	10.0	0.2	20.0
Tetrachloroethene	Ave	0.5350	0.5163	0.2000	9.65	10.0	-3.5	20.0
1,3-Dichloropropane	Ave	0.4475	0.4419		9.87	10.0	-1.3	20.0
2-Hexanone	Ave	12.23	11.35	0.1000	92.8	100	-7.2	20.0
Dibromochloromethane	Ave	0.3738	0.3901		10.4	10.0	4.4	20.0
1,2-Dibromoethane	Ave	0.2631	0.2605	0.1000	9.90	10.0	-1.0	20.0
1-Chlorohexane	Ave	0.5717	0.5402		9.45	10.0	-5.5	20.0
Chlorobenzene	Ave	1.141	1.103	0.5000	9.67	10.0	-3.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4194	0.4253		10.1	10.0	1.4	20.0
Ethylbenzene	Ave	1.933	1.858	0.1000	9.62	10.0	-3.8	20.0
m&p-Xylene	Ave	0.7702	0.7460	0.1000	19.4	20.0	-3.1	20.0
o-Xylene	Ave	0.7530	0.7366	0.3000	9.78	10.0	-2.2	20.0
Styrene	Ave	1.168	1.185	0.3000	10.1	10.0	1.5	20.0
Bromoform	Ave	0.2436	0.2632	0.1000	10.8	10.0	8.1	20.0
Isopropylbenzene	Ave	1.977	1.962	0.1000	9.93	10.0	-0.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5511	0.5434	0.3000	9.86	10.0	-1.4	20.0
Bromobenzene	Ave	0.8229	0.7942		9.65	10.0	-3.5	20.0
trans-1,4-Dichloro-2-butene	Ave	6.893	6.424		93.2	100	-6.8	20.0
1,2,3-Trichloropropane	Ave	0.1558	0.1520		9.76	10.0	-2.4	20.0
N-Propylbenzene	Ave	3.612	3.540		9.80	10.0	-2.0	20.0
2-Chlorotoluene	Ave	0.7797	0.7613		9.76	10.0	-2.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Lab Sample ID: CCVIS 410-358849/3 Calibration Date: 03/29/2023 20:06

Instrument ID: 19930 Calib Start Date: 03/21/2023 04:01

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 03/21/2023 06:02

Lab File ID: IM29X02.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
1,3,5-Trimethylbenzene	Ave	2.706	2.617		9.67	10.0	-3.3	20.0
4-Chlorotoluene	Ave	0.7781	0.7643		9.82	10.0	-1.8	20.0
tert-Butylbenzene	Ave	0.6706	0.6464		9.64	10.0	-3.6	20.0
Pentachloroethane	Ave	0.5200	0.5517		10.6	10.0	6.1	20.0
1,2,4-Trimethylbenzene	Ave	2.780	2.695		9.70	10.0	-3.0	20.0
sec-Butylbenzene	Ave	3.441	3.367		9.79	10.0	-2.1	20.0
1,3-Dichlorobenzene	Ave	1.546	1.533	0.6000	9.91	10.0	-0.9	20.0
p-Isopropyltoluene	Ave	3.074	3.062		9.96	10.0	-0.4	20.0
1,4-Dichlorobenzene	Ave	1.511	1.465	0.5000	9.69	10.0	-3.1	20.0
1,2,3-Trimethylbenzene	Ave	1.285	1.216		9.46	10.0	-5.4	20.0
Benzyl chloride	Ave	0.2173	0.2487		11.4	10.0	14.4	20.0
n-Butylbenzene	Ave	1.350	1.404		10.4	10.0	4.0	20.0
1,2-Dichlorobenzene	Ave	1.468	1.451	0.4000	9.88	10.0	-1.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0905	0.0942	0.0500	10.4	10.0	4.2	20.0
1,3,5-Trichlorobenzene	Ave	1.171	1.181		10.1	10.0	0.8	20.0
1,2,4-Trichlorobenzene	Ave	0.9419	0.9462	0.2000	10.0	10.0	0.5	20.0
Hexachlorobutadiene	Ave	0.5406	0.5133		9.50	10.0	-5.0	20.0
Naphthalene	Ave	1.753	1.646		9.39	10.0	-6.1	20.0
1,2,3-Trichlorobenzene	Ave	0.8552	0.8226		9.62	10.0	-3.8	20.0
Dibromofluoromethane (Surr)	Ave	0.2649	0.2726		10.3	10.0	2.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0503	0.0515		10.2	10.0	2.5	20.0
Toluene-d8 (Surr)	Ave	1.287	1.252		9.73	10.0	-2.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4693	0.4744		10.1	10.0	1.1	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X02.D
Lims ID: CCVIS VSTD10
Client ID:
Sample Type: CCVIS
Inject. Date: 29-Mar-2023 20:06:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0080205-003
Misc. Info.: CCVIS
Operator ID: mec29284 Instrument ID: 19930
Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 30-Mar-2023 12:21:02 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: K4WN Date: 29-Mar-2023 20:31:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	988195	10.0	11.8	M
4 Chloromethane	50	2.087	2.087	0.000	99	964902	10.0	10.7	
5 Vinyl chloride	62	2.197	2.197	0.000	98	944937	10.0	10.7	
6 Butadiene	39	2.209	2.209	0.000	95	902992	10.0	11.2	
7 Bromomethane	94	2.526	2.526	0.000	92	708878	10.0	10.3	
8 Chloroethane	64	2.599	2.599	0.000	99	555601	10.0	10.4	
9 Dichlorofluoromethane	67	2.837	2.837	0.000	98	1432124	10.0	9.96	
10 Trichlorofluoromethane	101	2.898	2.898	0.000	98	1482621	10.0	10.4	
11 Ethyl ether	59	3.135	3.135	0.000	93	462885	10.0	9.91	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.215	3.215	0.000	88	789863	10.0	9.91	
14 Acrolein	56	3.300	3.300	0.000	94	3009099	500.0	405.0	
15 1,1-Dichloroethene	96	3.434	3.434	0.000	98	522340	10.0	9.05	
16 Acetone	43	3.465	3.465	0.000	87	782599	100.0	87.2	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.477	3.477	0.000	90	626067	10.0	9.52	
18 Iodomethane	142	3.629	3.629	0.000	100	1161987	10.0	9.28	
19 Ethyl bromide	108	3.654	3.654	0.000	99	536012	10.0	9.95	
20 Carbon disulfide	76	3.733	3.733	0.000	100	1351627	10.0	8.35	
23 Methyl acetate	43	3.873	3.873	0.000	96	277440	10.0	8.64	
24 3-Chloro-1-propene	41	3.897	3.897	0.000	87	876770	10.0	9.02	
25 Methylene Chloride	84	4.074	4.074	0.000	93	583367	10.0	9.51	
* 26 t-Butyl alcohol-d10 (IS)	65	4.099	4.099	0.000	99	140021	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.233	4.233	0.000	99	568474	200.0	194.8	
28 Acrylonitrile	53	4.416	4.416	0.000	97	280826	25.0	25.7	
29 Methyl tert-butyl ether	73	4.477	4.477	0.000	96	1445707	10.0	9.74	
30 trans-1,2-Dichloroethene	96	4.489	4.489	0.000	99	592874	10.0	9.12	
31 Hexane	57	4.916	4.916	0.000	95	766752	10.0	8.94	
32 1,1-Dichloroethane	63	5.147	5.147	0.000	96	1135574	10.0	9.63	
35 Isopropyl ether	45	5.208	5.208	0.000	91	1915257	10.0	9.73	
36 2-Chloro-1,3-butadiene	53	5.257	5.257	0.000	93	949715	10.0	9.51	
37 Tert-butyl ethyl ether	59	5.745	5.745	0.000	96	1295835	10.0	9.49	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 2-Butanone (MEK)	43	5.946	5.946	0.000	100	1559298	100.0	94.1	
39 cis-1,2-Dichloroethene	96	5.982	5.982	0.000	83	691711	10.0	9.74	
40 2,2-Dichloropropane	77	6.001	6.001	0.000	92	1052550	10.0	9.82	
43 Propionitrile	54	6.043	6.043	0.000	99	707286	200.0	184.0	
45 Methacrylonitrile	67	6.245	6.245	0.000	91	1624597	100.0	92.1	
46 Chlorobromomethane	128	6.312	6.312	0.000	90	332261	10.0	10.0	
47 Tetrahydrofuran	71	6.324	6.324	0.000	78	235051	50.0	46.2	
48 Chloroform	83	6.464	6.464	0.000	95	1197386	10.0	9.89	
$ 49 Dibromofluoromethane (Surr)	113	6.677	6.677	0.000	94	611152	10.0	10.3	
50 1,1,1-Trichloroethane	97	6.690	6.690	0.000	98	1124841	10.0	9.83	
51 Cyclohexane	56	6.787	6.787	0.000	93	1002621	10.0	9.21	
53 1,1-Dichloropropene	75	6.903	6.903	0.000	92	854279	10.0	9.60	
54 Carbon tetrachloride	117	6.903	6.903	0.000	95	1055953	10.0	9.97	
55 Isobutyl alcohol	41	7.074	7.074	0.000	92	479463	500.0	458.8	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.128	7.128	0.000	97	115415	10.0	10.2	
57 Benzene	78	7.159	7.159	0.000	98	2507446	10.0	9.65	
58 1,2-Dichloroethane	62	7.232	7.232	0.000	97	776540	10.0	9.74	
60 Tert-amyl methyl ether	73	7.354	7.354	0.000	97	1007712	10.0	9.56	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2241688	10.0	10.0	
62 n-Heptane	43	7.580	7.580	0.000	91	824652	10.0	9.22	
63 n-Butanol	56	7.958	7.958	0.000	89	569077	875.0	752.5	
64 Trichloroethene	95	8.049	8.049	0.000	96	705618	10.0	9.63	
65 Methylcyclohexane	83	8.354	8.354	0.000	91	1140400	10.0	9.45	
66 1,2-Dichloropropane	63	8.378	8.378	0.000	93	660608	10.0	10.1	
67 Methyl methacrylate	69	8.464	8.464	0.000	89	330409	10.0	9.23	
68 1,4-Dioxane	88	8.482	8.482	0.000	29	54702	500.0	232.6	M
69 Dibromomethane	93	8.488	8.488	0.000	91	343860	10.0	10.3	
71 Dichlorobromomethane	83	8.720	8.720	0.000	98	892510	10.0	10.3	
72 2-Nitropropane	41	8.988	8.988	0.000	100	570584	50.0	44.7	
75 1-Bromo-2-chloroethane	63	9.116	9.116	0.000	99	712818	10.0	11.5	
76 cis-1,3-Dichloropropene	75	9.274	9.274	0.000	94	1037779	10.0	10.3	
77 4-Methyl-2-pentanone (MIBK)	43	9.451	9.451	0.000	98	4556725	100.0	92.8	
$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2291748	10.0	9.73	
79 Toluene	92	9.665	9.665	0.000	98	1691493	10.0	9.31	
97 trans-1,3-Dichloropropene	75	9.927	9.927	0.000	95	910536	10.0	10.3	
99 Ethyl methacrylate	69	9.994	9.994	0.000	89	701905	10.0	10.3	
100 1,1,2-Trichloroethane	97	10.134	10.134	0.000	92	498070	10.0	10.0	
101 Tetrachloroethene	166	10.225	10.225	0.000	98	945023	10.0	9.65	
102 1,3-Dichloropropane	76	10.299	10.299	0.000	91	808776	10.0	9.87	
103 2-Hexanone	43	10.347	10.347	0.000	98	3178256	100.0	92.8	
105 Chlorodibromomethane	129	10.518	10.518	0.000	89	714020	10.0	10.4	
106 Ethylene Dibromide	107	10.628	10.628	0.000	98	476784	10.0	9.90	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	85	1830303	10.0	10.0	
108 1-Chlorohexane	91	11.067	11.067	0.000	97	988652	10.0	9.45	
109 Chlorobenzene	112	11.085	11.085	0.000	96	2018398	10.0	9.67	
111 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	95	778482	10.0	10.1	
112 Ethylbenzene	91	11.170	11.170	0.000	98	3401431	10.0	9.62	
113 m-Xylene & p-Xylene	106	11.286	11.286	0.000	93	2730701	20.0	19.4	
114 o-Xylene	106	11.615	11.615	0.000	97	1348144	10.0	9.78	
115 Styrene	104	11.634	11.634	0.000	95	2169554	10.0	10.1	
116 Bromoform	173	11.792	11.792	0.000	97	481685	10.0	10.8	
117 Isopropylbenzene	105	11.920	11.920	0.000	96	3591517	10.0	9.93	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 120 4-Bromofluorobenzene (Surr)	95	12.067	12.067	0.000	95	868384	10.0	10.1	
121 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	94	638477	10.0	9.86	
122 Bromobenzene	156	12.176	12.176	0.000	97	933018	10.0	9.65	
123 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	94	1799095	100.0	93.2	
124 1,2,3-Trichloropropane	110	12.207	12.207	0.000	83	178560	10.0	9.76	
125 N-Propylbenzene	91	12.249	12.249	0.000	99	4159082	10.0	9.80	
126 2-Chlorotoluene	126	12.323	12.323	0.000	97	894389	10.0	9.76	
127 1,3,5-Trimethylbenzene	105	12.384	12.384	0.000	94	3074505	10.0	9.67	
128 4-Chlorotoluene	126	12.420	12.420	0.000	97	898004	10.0	9.82	
129 tert-Butylbenzene	134	12.627	12.627	0.000	93	759416	10.0	9.64	
130 Pentachloroethane	167	12.658	12.658	0.000	91	648194	10.0	10.6	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	3166691	10.0	9.70	
132 sec-Butylbenzene	105	12.792	12.792	0.000	94	3955928	10.0	9.79	
133 1,3-Dichlorobenzene	146	12.890	12.890	0.000	99	1800505	10.0	9.91	
134 4-Isopropyltoluene	119	12.896	12.896	0.000	97	3596983	10.0	9.96	
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	93	1174863	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	1721114	10.0	9.69	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	1428612	10.0	9.46	
138 Benzyl chloride	126	13.042	13.042	0.000	99	292136	10.0	11.4	
139 n-Butylbenzene	92	13.188	13.188	0.000	97	1649496	10.0	10.4	
140 1,2-Dichlorobenzene	146	13.219	13.219	0.000	99	1704532	10.0	9.88	
142 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	89	110705	10.0	10.4	
143 1,3,5-Trichlorobenzene	180	13.889	13.889	0.000	98	1387413	10.0	10.1	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	1111654	10.0	10.0	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	96	603081	10.0	9.50	
146 Naphthalene	128	14.493	14.493	0.000	97	1933698	10.0	9.39	
147 1,2,3-Trichlorobenzene	180	14.633	14.633	0.000	95	966386	10.0	9.62	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00070	Amount Added: 10.00	Units: uL	
MSV_LL_GAS826_00142	Amount Added: 10.00	Units: uL	
MSV_LL_#2_826_00078	Amount Added: 10.00	Units: uL	
MSV_LLcentISS_00006	Amount Added: 5.00	Units: uL	Run Reagent

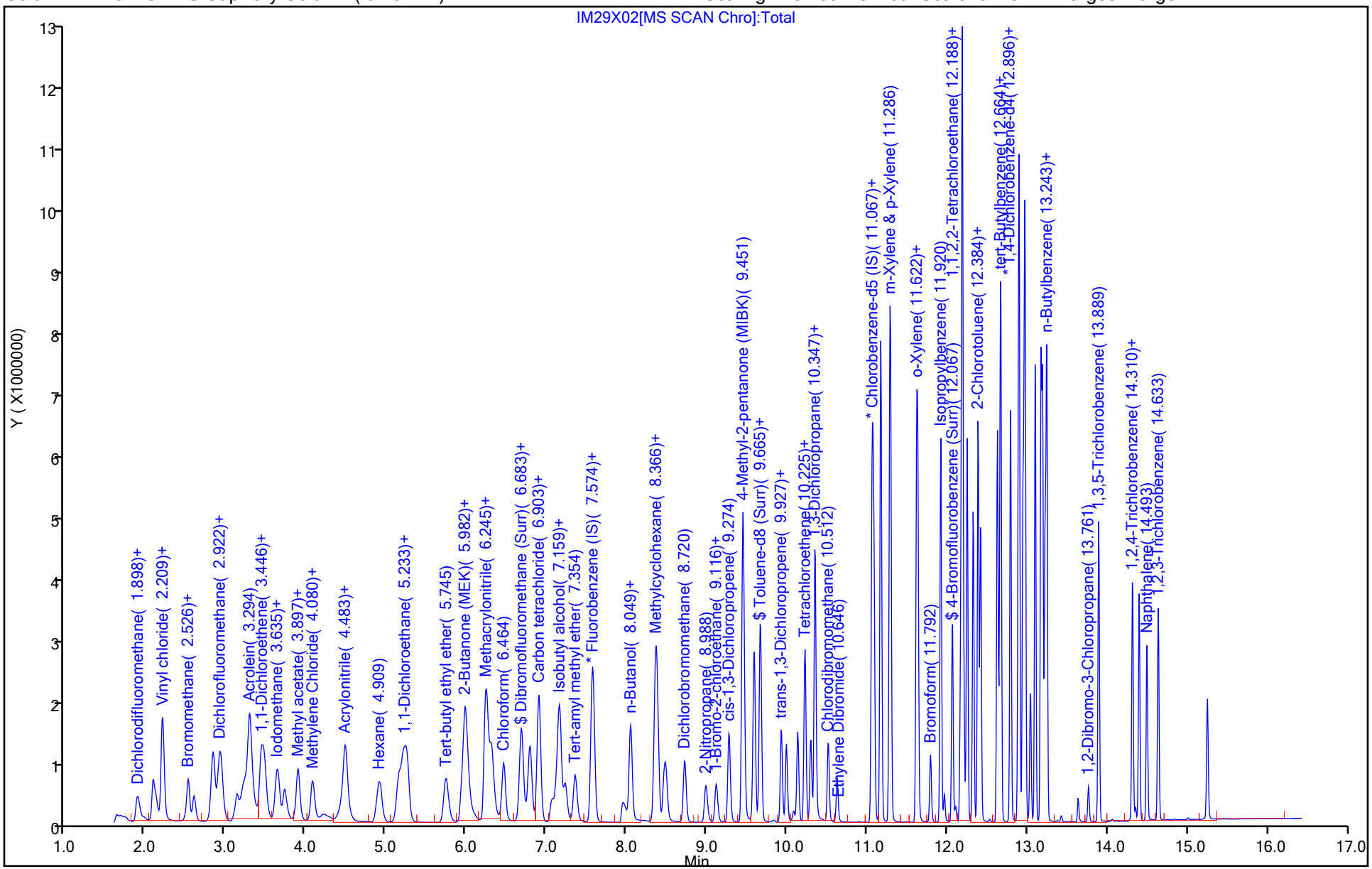
Report Date: 30-Mar-2023 12:21:03 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X02.D

Injection Date:	29-Mar-2023 20:06:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	CCVIS VSTD10			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

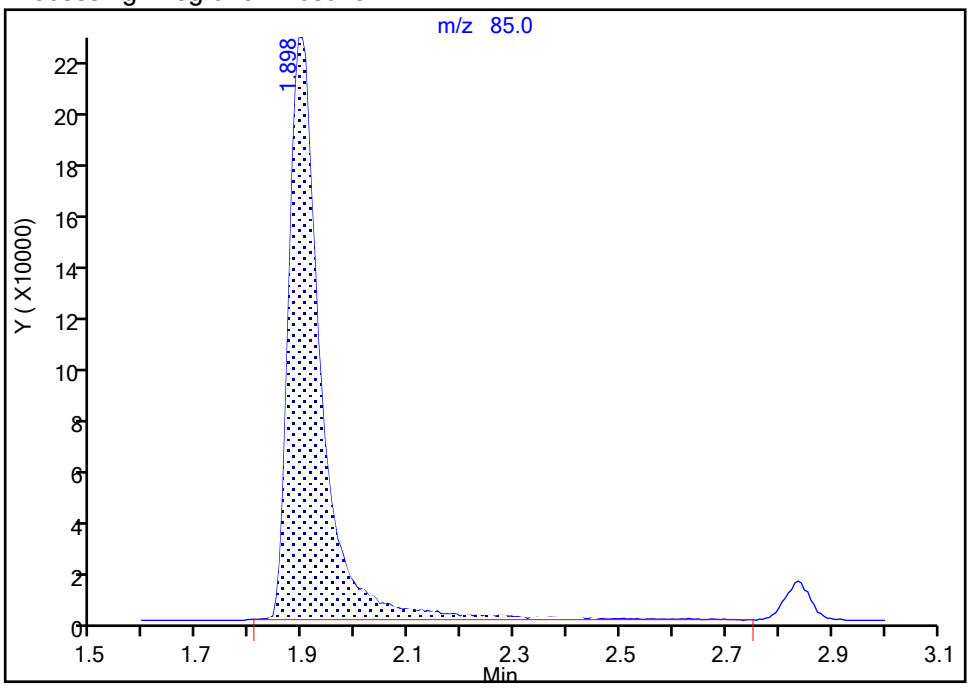
Data File:	\\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X02.D				
Injection Date:	29-Mar-2023 20:06:30	Instrument ID:	19930		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

1 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

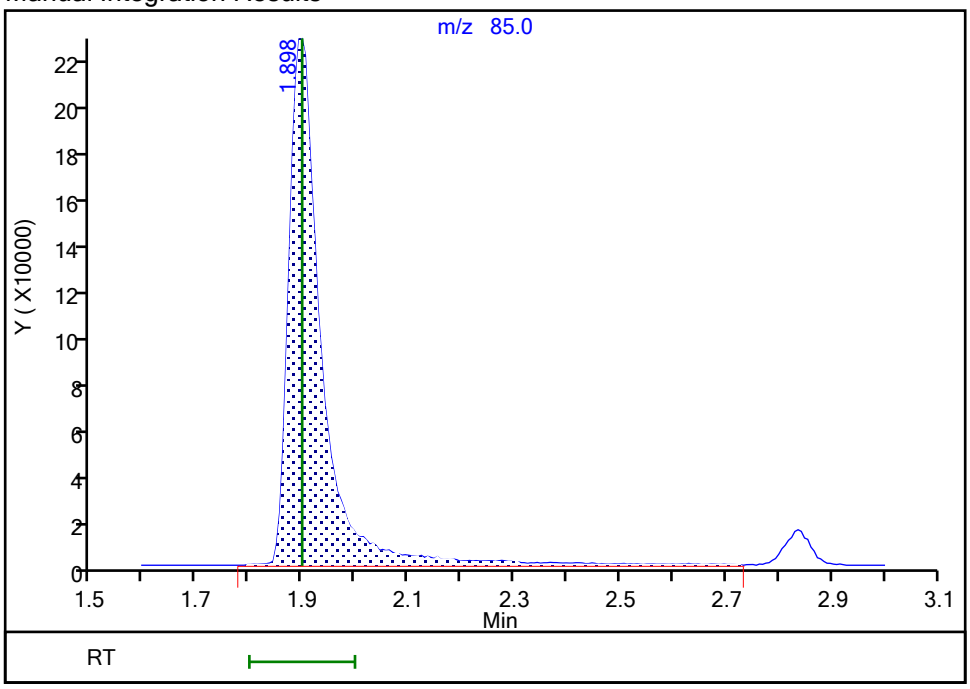
Processing Integration Results

RT: 1.90
Area: 969824
Amount: 11.609507
Amount Units: ug/l



Manual Integration Results

RT: 1.90
Area: 988195
Amount: 11.829422
Amount Units: ug/l



Reviewer: K4WN, 29-Mar-2023 20:29:57

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

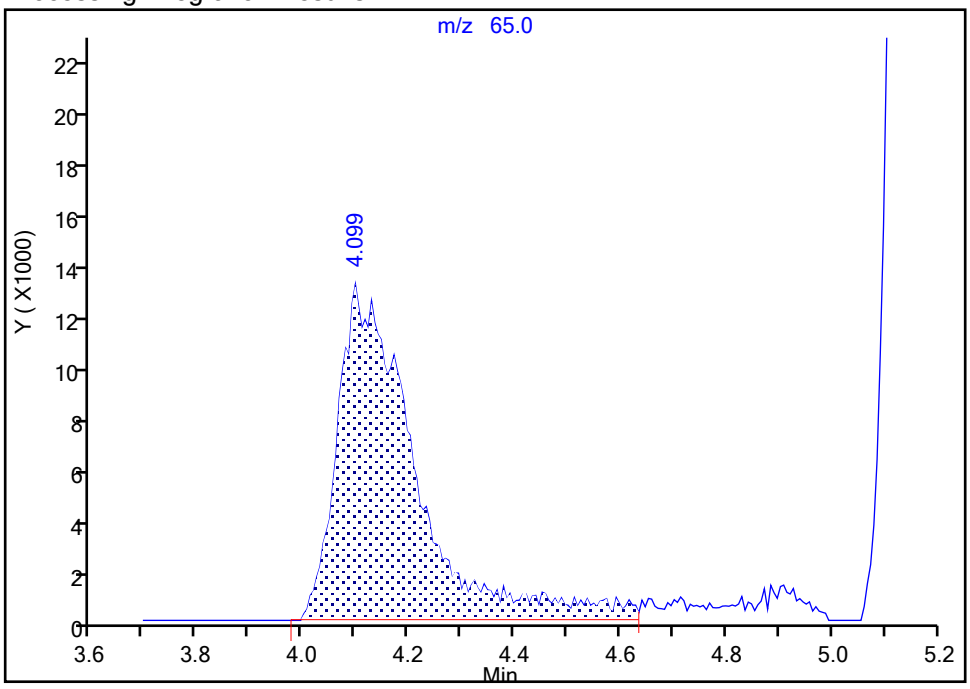
Data File:	\\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X02.D				
Injection Date:	29-Mar-2023 20:06:30	Instrument ID:	19930		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

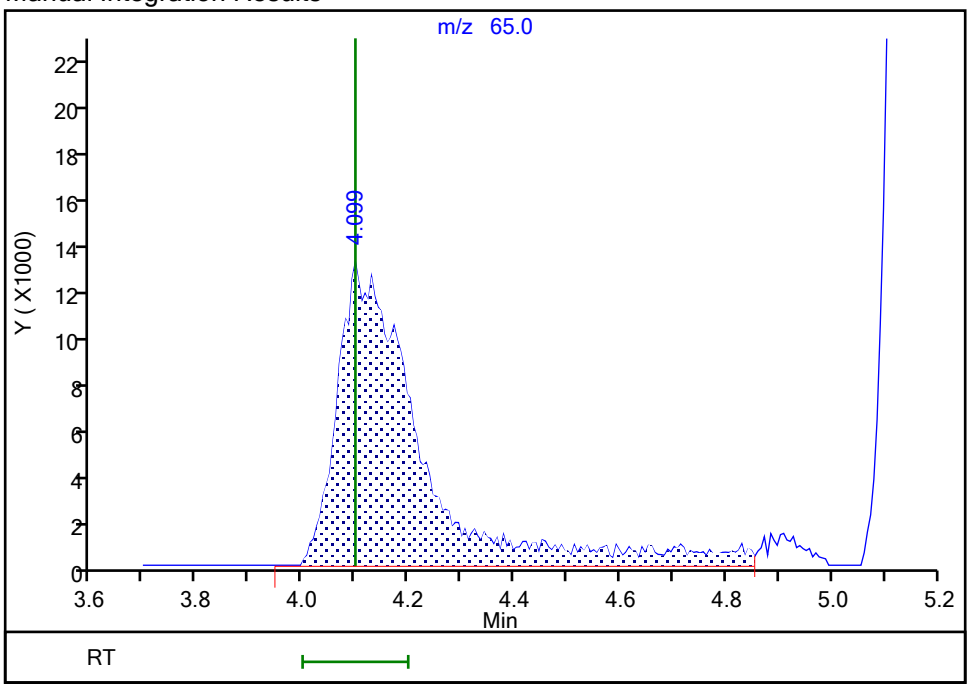
Processing Integration Results

RT: 4.10
Area: 132172
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 4.10
Area: 140021
Amount: 50.000000
Amount Units: ug/l



Reviewer: K4WN, 29-Mar-2023 20:30:18
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

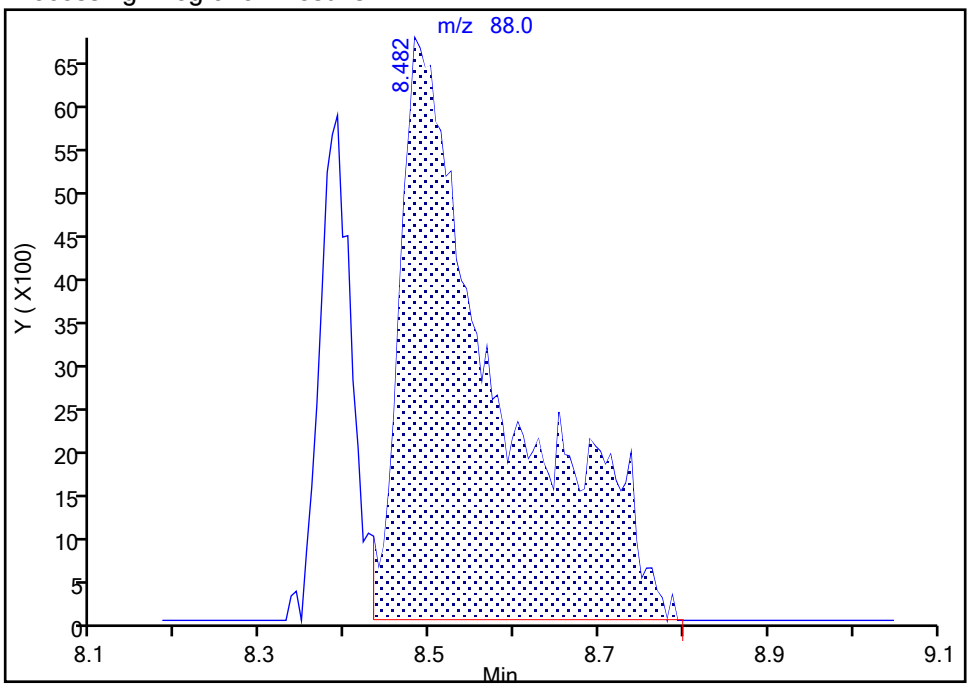
Data File: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X02.D
Injection Date: 29-Mar-2023 20:06:30 Instrument ID: 19930
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: mec29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

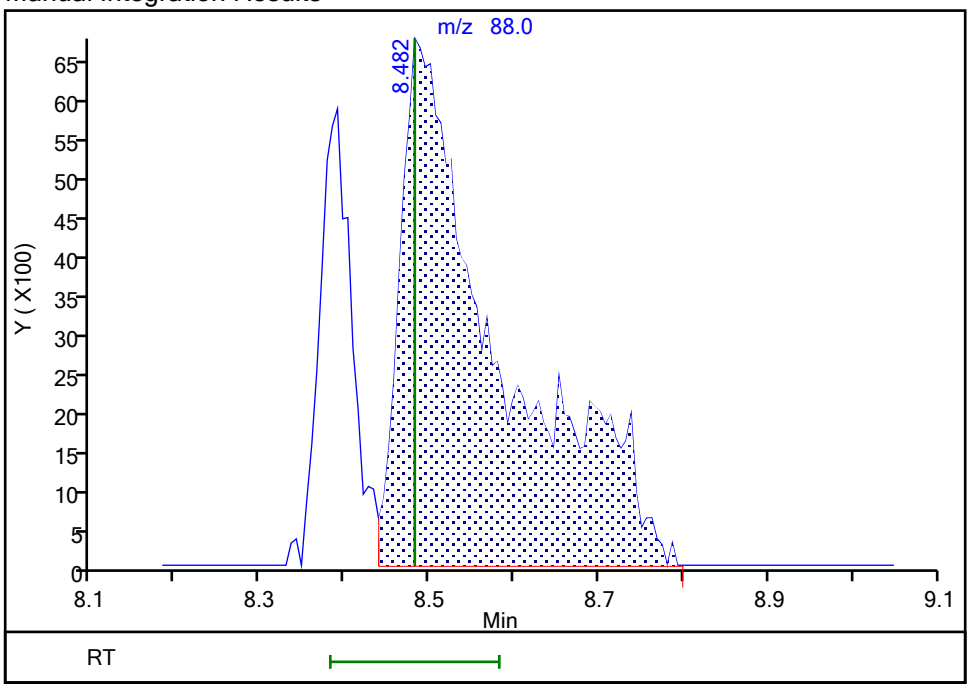
Processing Integration Results

RT: 8.48
Area: 55058
Amount: 234.1613
Amount Units: ug/l



Manual Integration Results

RT: 8.48
Area: 54702
Amount: 232.6472
Amount Units: ug/l



Reviewer: K4WN, 29-Mar-2023 20:30:33
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\20220711-61489.b\HL11T03.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	11-Jul-2022 13:17:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0061489-001				
Misc. Info.:	BFB				
Operator ID:	kas02648	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	12-Jul-2022 11:53:41	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1678				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 165 BFB	95	5.154	5.154	0.000	91	142888	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

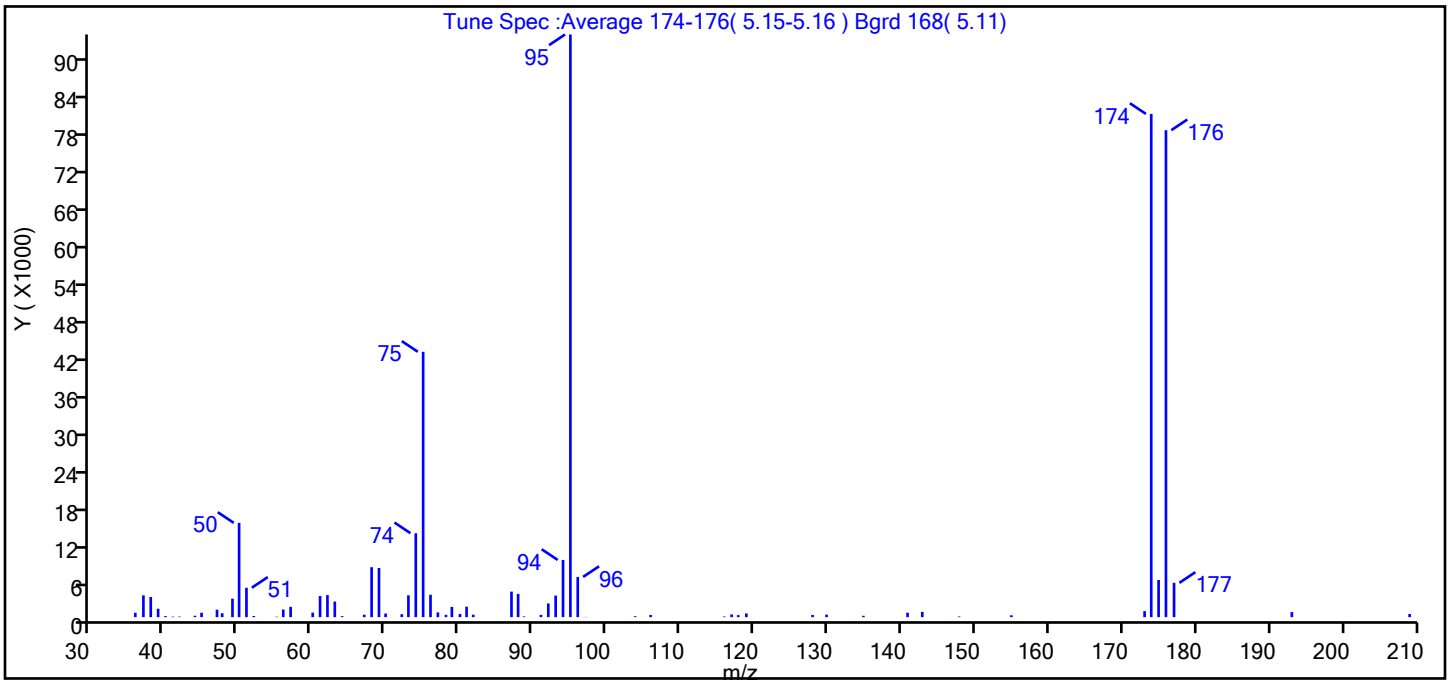
MSV_V_BFB_00008 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11T03.D
Injection Date: 11-Jul-2022 13:17:30 Instrument ID: 19094
Lims ID: bfb
Client ID:
Operator ID: kas02648 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

$ 165 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.2
75	30 to 60% of m/z 95	45.5
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	1.0 (1.2)
174	50 to 120% of m/z 95	86.4
175	5 to 9% of m/z 174	6.4 (7.4)
176	Greater than 95% but less than 101% of m/z 174	83.6 (96.8)
177	5 to 9% of m/z 176	5.9 (7.0)

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11T03.D\MSV_19094_25mL.rslt\spectra.d
Injection Date: 11-Jul-2022 13:17:30
Spectrum: Tune Spec :Average 174-176(5.15-5.16) Bgrd 168(5.11)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 68

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	695	57.00	1653	79.00	1645	117.00	438
37.00	3502	60.00	727	80.00	510	118.00	322
38.00	3232	61.00	3386	81.00	1681	119.00	588
39.00	1351	62.00	3541	82.00	393	128.00	347
40.00	173	63.00	2508	87.00	4103	130.00	405
41.00	83	64.00	160	88.00	3731	135.00	218
42.00	90	67.00	394	89.00	119	141.00	714
44.00	225	68.00	8019	91.00	368	143.00	839
45.00	706	69.00	7887	92.00	2197	148.00	109
47.00	1201	70.00	582	93.00	3461	155.00	296
48.00	623	72.00	470	94.00	9186	173.00	966
49.00	2967	73.00	3505	95.00	93544	174.00	80792
50.00	15136	74.00	13476	96.00	6457	175.00	5961
51.00	4721	75.00	42600	97.00	34	176.00	78176
52.00	181	76.00	3592	104.00	150	177.00	5509
55.00	69	77.00	760	106.00	344	193.00	809
56.00	1220	78.00	370	116.00	104	209.00	506

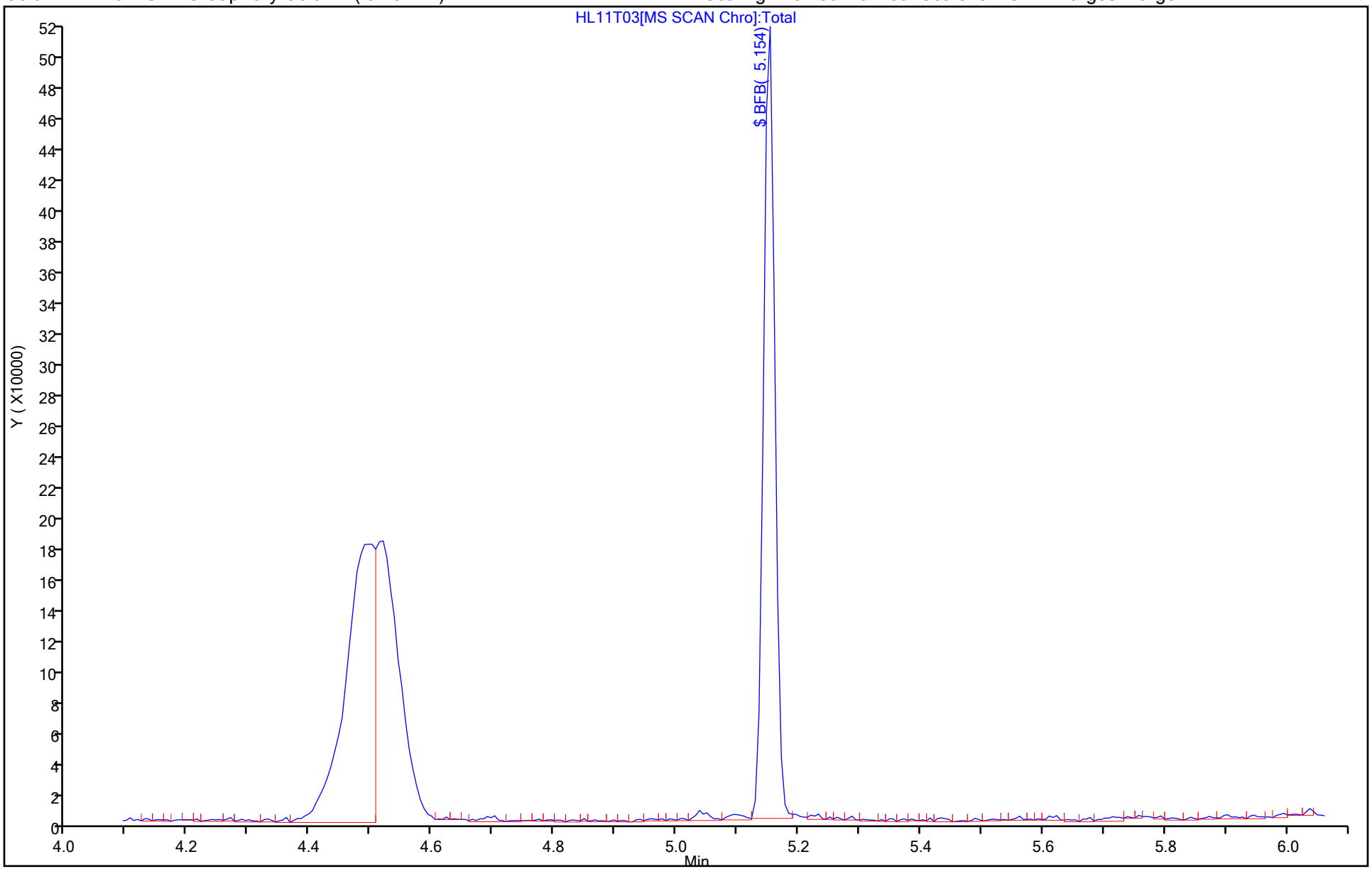
Report Date: 12-Jul-2022 11:53:41 Chrom Revision: 2.3 08-Jul-2022 13:26:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\HL11T03.D

Injection Date:	11-Jul-2022 13:17:30	Instrument ID:	19094	Operator ID:	kas02648
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\20220714-61834.b\copy_HL14T01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 14-Jul-2022 19:09:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: BFB
Operator ID: MEC29284 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20220714-61834.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Jul-2022 20:50:16 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1670

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 165 BFB	95	5.148	5.148	0.000	87	217282	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

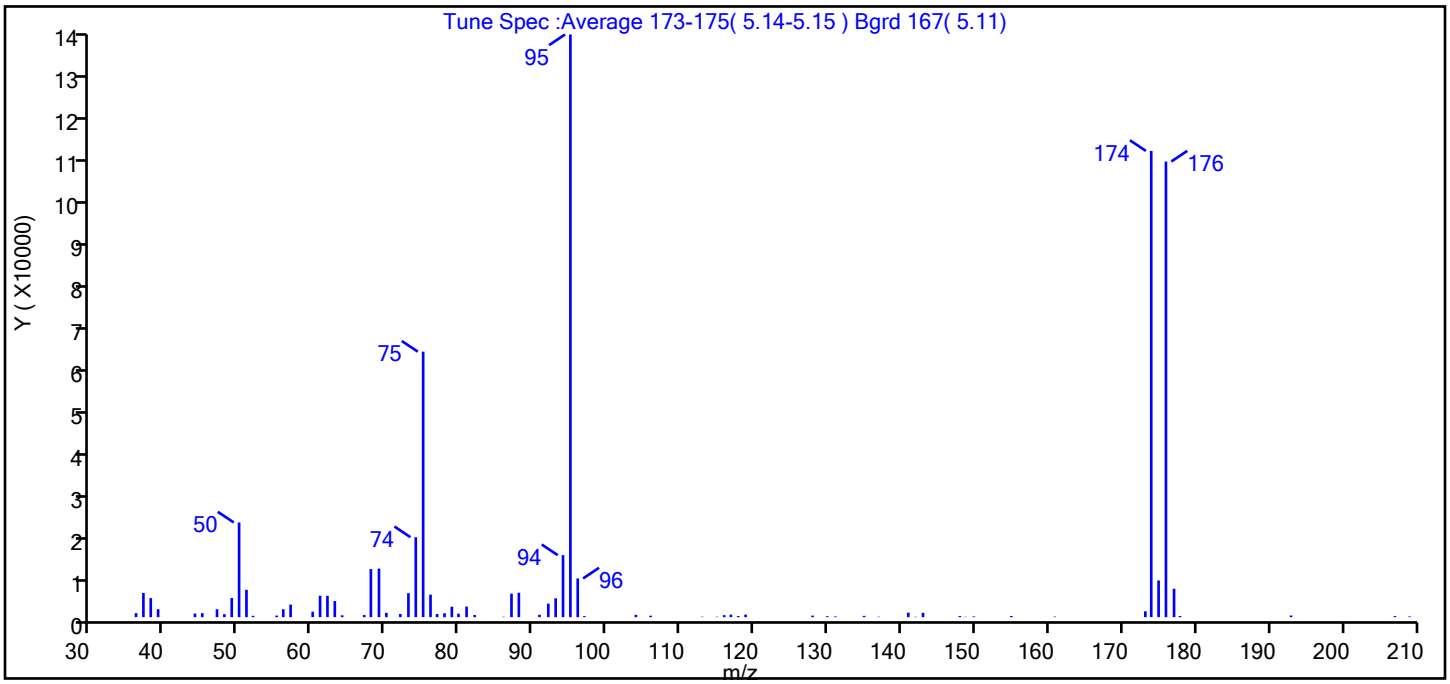
MSV_V_BFB_00008 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20220714-61834.b\copy_HL14T01.D
Injection Date: 14-Jul-2022 19:09:30 Instrument ID: 19094
Lims ID: bfb
Client ID:
Operator ID: MEC29284 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

$ 165 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.2
75	30 to 60% of m/z 95	45.6
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	1.0 (1.3)
174	50 to 120% of m/z 95	80.0
175	5 to 9% of m/z 174	6.3 (7.9)
176	Greater than 95% but less than 101% of m/z 174	78.2 (97.7)
177	5 to 9% of m/z 176	4.9 (6.2)

Data File: \\chromfs\Lancaster\ChromData\19094\20220714-61834.b\copy_HL14T01.D\MSV_19094_25mL.rslt\spec
Injection Date: 14-Jul-2022 19:09:30
Spectrum: Tune Spec :Average 173-175(5.14-5.15) Bgrd 167(5.11)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 75

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	949	64.00	430	91.00	552	137.00	93
37.00	5703	67.00	499	92.00	3178	141.00	1057
38.00	4480	68.00	11322	93.00	4431	142.00	88
39.00	1876	69.00	11439	94.00	14605	143.00	1023
44.00	845	70.00	999	95.00	137216	148.00	258
45.00	933	72.00	745	96.00	9108	149.00	85
47.00	1853	73.00	5647	97.00	244	150.00	181
48.00	699	74.00	18824	104.00	539	155.00	272
49.00	4499	75.00	62520	106.00	345	161.00	122
50.00	22296	76.00	5309	113.00	101	173.00	1373
51.00	6441	77.00	732	115.00	99	174.00	109792
52.00	325	78.00	920	116.00	465	175.00	8634
55.00	376	79.00	2467	117.00	593	176.00	107296
56.00	1858	80.00	822	118.00	264	177.00	6682
57.00	2957	81.00	2489	119.00	592	178.00	274
60.00	1291	82.00	506	128.00	361	193.00	390
61.00	5042	86.00	86	130.00	222	207.00	254
62.00	5025	87.00	5525	131.00	173	209.00	168
63.00	3790	88.00	5746	135.00	309		

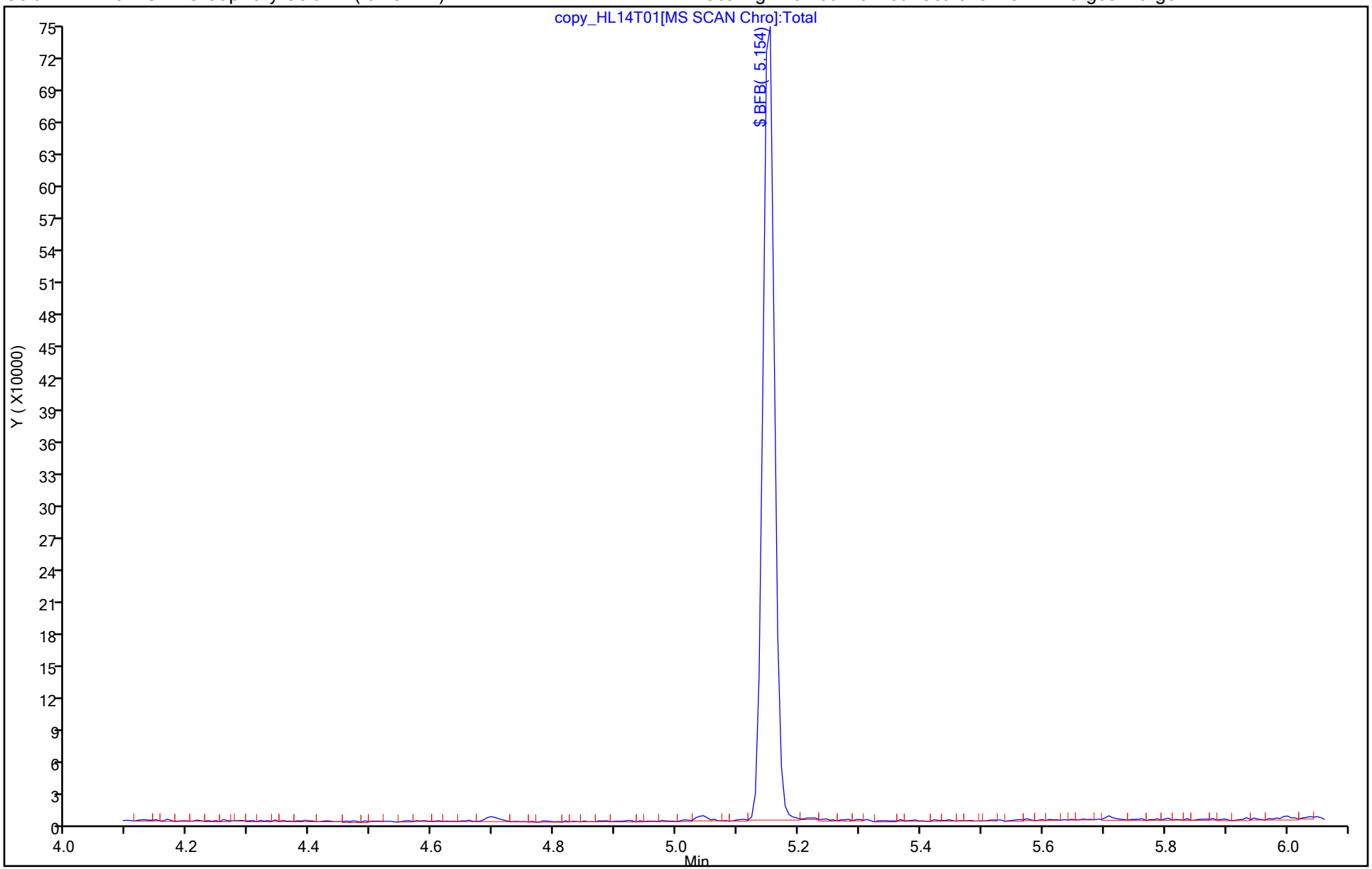
Report Date: 14-Jul-2022 20:50:17 Chrom Revision: 2.3 08-Jul-2022 13:26:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20220714-61834.b\copy_HL14T01.D

Injection Date:	14-Jul-2022 19:09:30	Instrument ID:	19094	Operator ID:	MEC29284
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\20230327-79983.b\HM27T01.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	27-Mar-2023 18:49:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-001				
Misc. Info.:	BFB				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	27-Mar-2023 21:54:42	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1665				
First Level Reviewer: JS6E		Date:	27-Mar-2023 19:46:17		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 167 BFB	95	5.129	5.129	0.000	92	463296	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

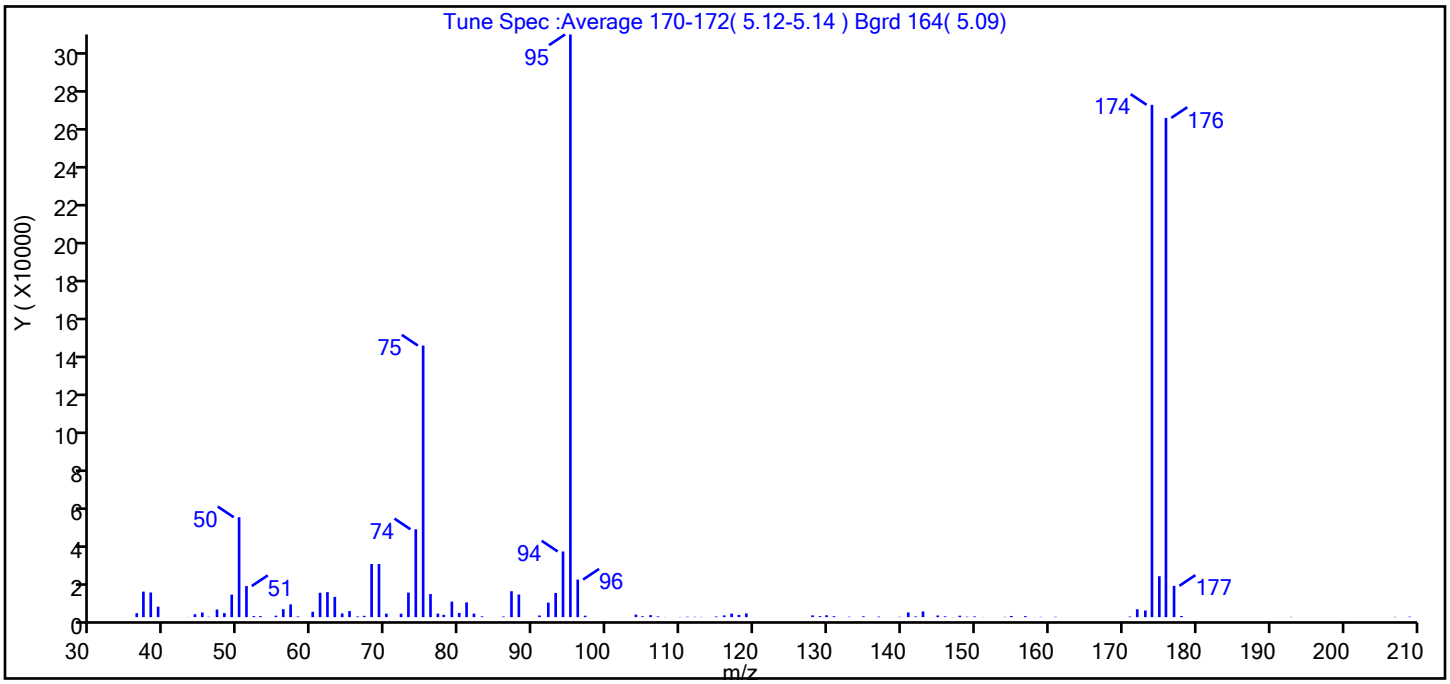
MSV_V_BFB_00011 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27T01.D
Injection Date: 27-Mar-2023 18:49:30 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

$ 167 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.1
75	30 to 60% of m/z 95	46.6
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	1.1 (1.3)
174	50 to 120% of m/z 95	87.9
175	5 to 9% of m/z 174	7.0 (8.0)
176	Greater than 95% but less than 101% of m/z 174	85.7 (97.4)
177	5 to 9% of m/z 176	5.4 (6.3)

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27T01.D\MSV_19094_25mL.rslt\spectra.d
Injection Date: 27-Mar-2023 18:49:30
Spectrum: Tune Spec :Average 170-172(5.12-5.14) Bgrd 164(5.09)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 101

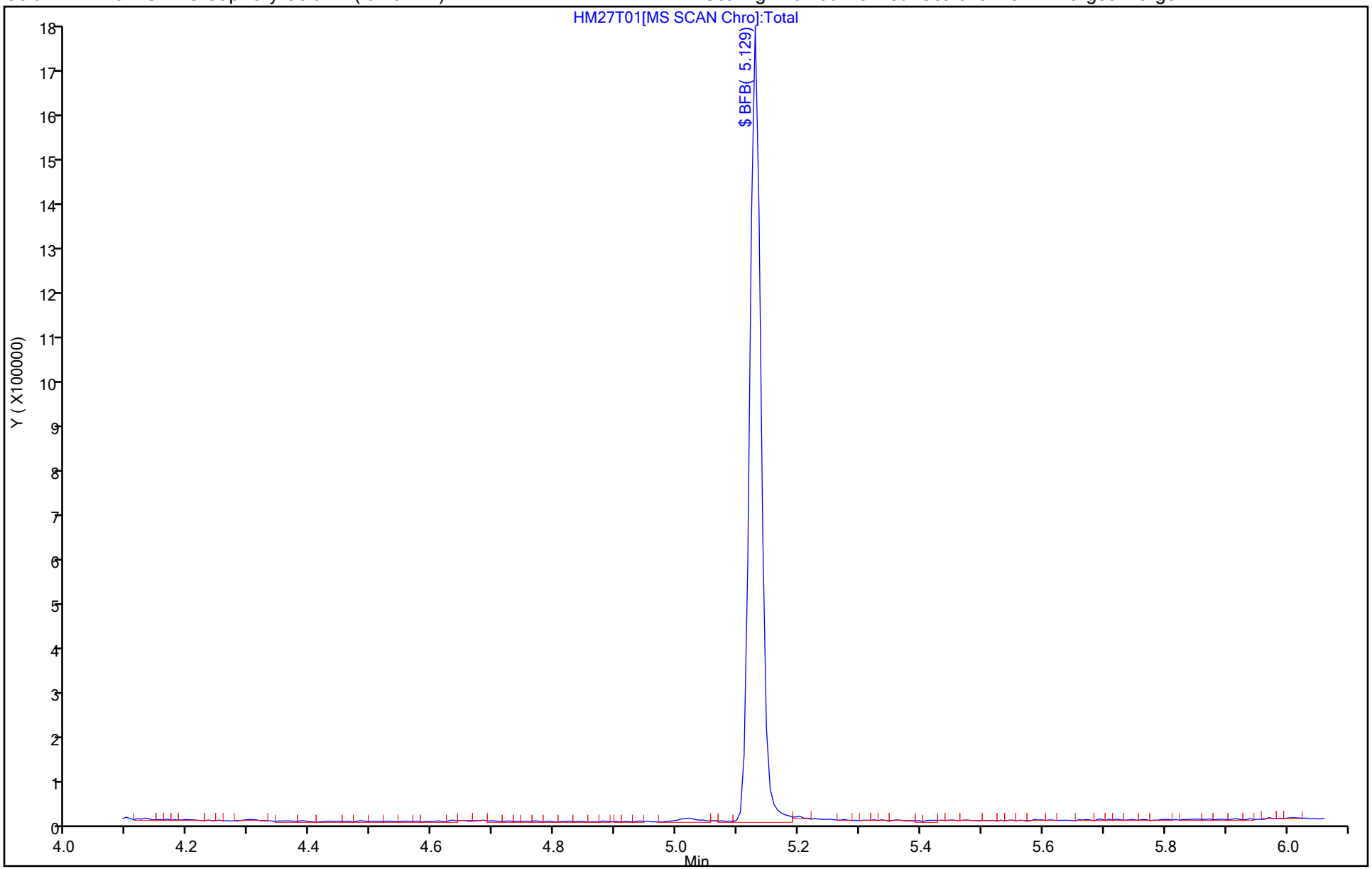
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2077	67.00	701	104.00	1317	146.00	416
37.00	13368	68.00	27840	105.00	460	147.00	86
38.00	12918	69.00	27848	106.00	1064	148.00	757
39.00	5498	70.00	1824	107.00	387	149.00	247
43.00	93	72.00	1798	108.00	87	150.00	383
44.00	1511	73.00	12873	110.00	108	151.00	84
45.00	2434	74.00	46048	111.00	245	154.00	169
46.00	204	75.00	142336	112.00	179	155.00	623
47.00	4006	76.00	12108	113.00	145	157.00	546
48.00	2121	77.00	1847	115.00	361	158.00	85
49.00	11831	78.00	1220	116.00	918	159.00	144
50.00	52352	79.00	8148	117.00	1835	161.00	211
51.00	16300	80.00	2170	118.00	1180	171.00	312
52.00	549	81.00	7714	119.00	1932	172.00	4149
53.00	541	82.00	1849	128.00	930	173.00	3478
55.00	773	83.00	424	129.00	519	174.00	268480
56.00	4152	86.00	357	130.00	975	175.00	21448
57.00	6676	87.00	13582	131.00	504	176.00	261632
58.00	371	88.00	11865	133.00	221	177.00	16416
60.00	2814	91.00	879	135.00	438	178.00	598
61.00	12766	92.00	7614	137.00	318	193.00	144
62.00	13104	93.00	12673	140.00	179	207.00	173
63.00	10621	94.00	34416	141.00	2459	209.00	250
64.00	1941	95.00	305344	142.00	386		
65.00	3169	96.00	19688	143.00	2976		
66.00	380	97.00	766	145.00	858		

Report Date: 27-Mar-2023 21:54:42 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27T01.D				
Injection Date:	27-Mar-2023 18:49:30	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\19930\20230321-79468.b\IM21T01.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	21-Mar-2023 00:26:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0079468-001				
Misc. Info.:	BFB				
Operator ID:	mec29284	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	21-Mar-2023 17:39:19	Calib Date:	21-Mar-2023 06:02:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1651				
First Level Reviewer: K4WN		Date:	21-Mar-2023 00:36:00		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 167 BFB	95	5.087	5.087	0.000	0	397829	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

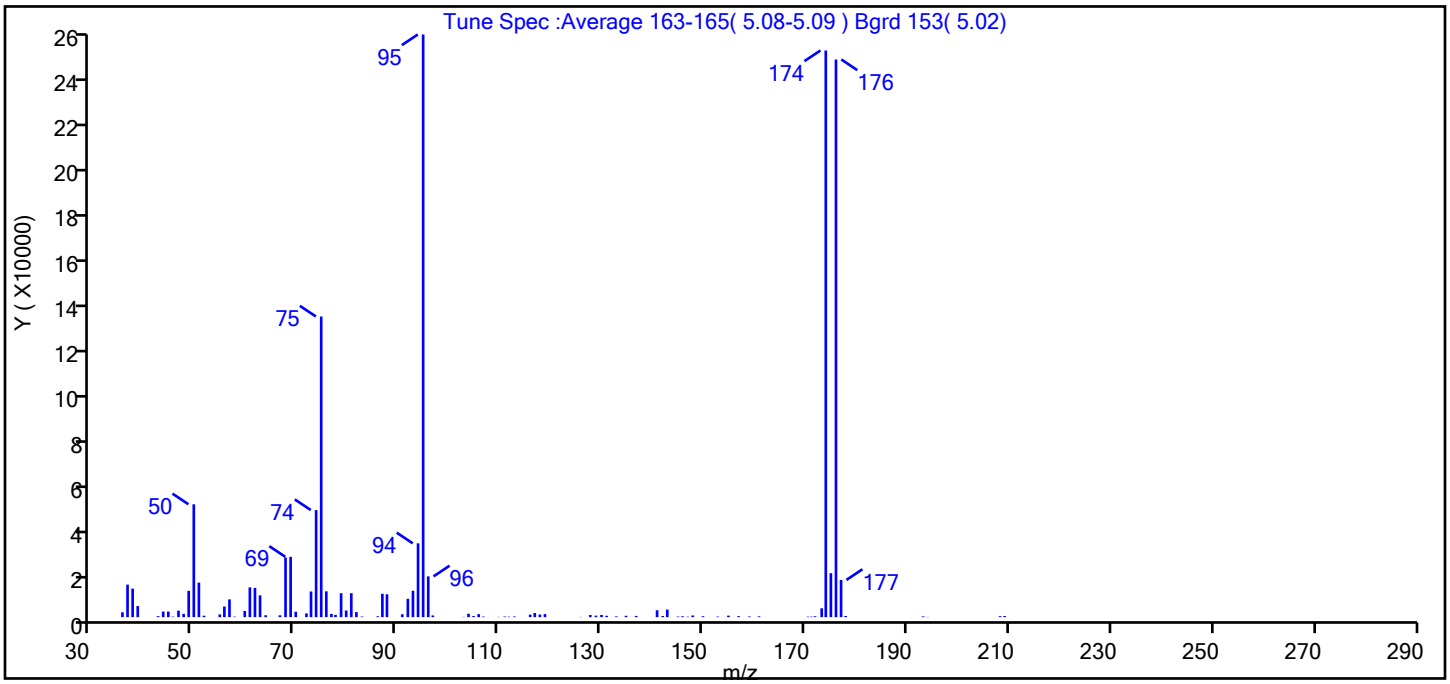
MSV_V_BFB_00011 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21T01.D				
Injection Date:	21-Mar-2023 00:26:30	Instrument ID:	19930		
Lims ID:	bfb				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Tune Method:	BFB Method 8260				

$ 167 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.4
75	30 to 60% of m/z 95	51.6
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	1.5 (1.6)
174	50 to 120% of m/z 95	97.3
175	5 to 9% of m/z 174	7.5 (7.8)
176	Greater than 95% but less than 101% of m/z 174	95.7 (98.4)
177	5 to 9% of m/z 176	6.4 (6.7)

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21T01.D\8260 25ml HP31.rslt\spectra.d
Injection Date: 21-Mar-2023 00:26:30
Spectrum: Tune Spec :Average 163-165(5.08-5.09) Bgrd 153(5.02)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 98

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2126	69.00	26552	104.00	1490	147.00	193
37.00	14317	70.00	2377	105.00	481	148.00	737
38.00	12552	72.00	1630	106.00	1326	150.00	399
39.00	4887	73.00	11299	107.00	251	153.00	246
43.00	432	74.00	47144	110.00	99	155.00	664
44.00	2460	75.00	132352	111.00	262	157.00	436
45.00	2456	76.00	11365	112.00	202	159.00	309
46.00	225	77.00	1406	113.00	303	161.00	352
47.00	2846	78.00	992	116.00	1111	170.00	220
48.00	1439	79.00	10516	117.00	1817	171.00	205
49.00	11589	80.00	2932	118.00	1145	172.00	391
50.00	49680	81.00	10550	119.00	1353	173.00	3894
51.00	15186	82.00	2225	126.00	95	174.00	249472
52.00	636	83.00	271	128.00	949	175.00	19352
55.00	1187	86.00	389	129.00	657	176.00	245504
56.00	4678	87.00	10294	130.00	967	177.00	16378
57.00	7811	88.00	10059	131.00	589	178.00	517
58.00	229	91.00	1254	133.00	333	193.00	346
60.00	2725	92.00	8071	135.00	595	194.00	91
61.00	13107	93.00	11627	137.00	533	207.00	13
62.00	12876	94.00	32496	141.00	3025	208.00	432
63.00	9578	95.00	256512	142.00	499	209.00	487
64.00	831	96.00	17952	143.00	3340	281.00	2
67.00	818	97.00	740	145.00	248		
68.00	26256	103.00	115	146.00	381		

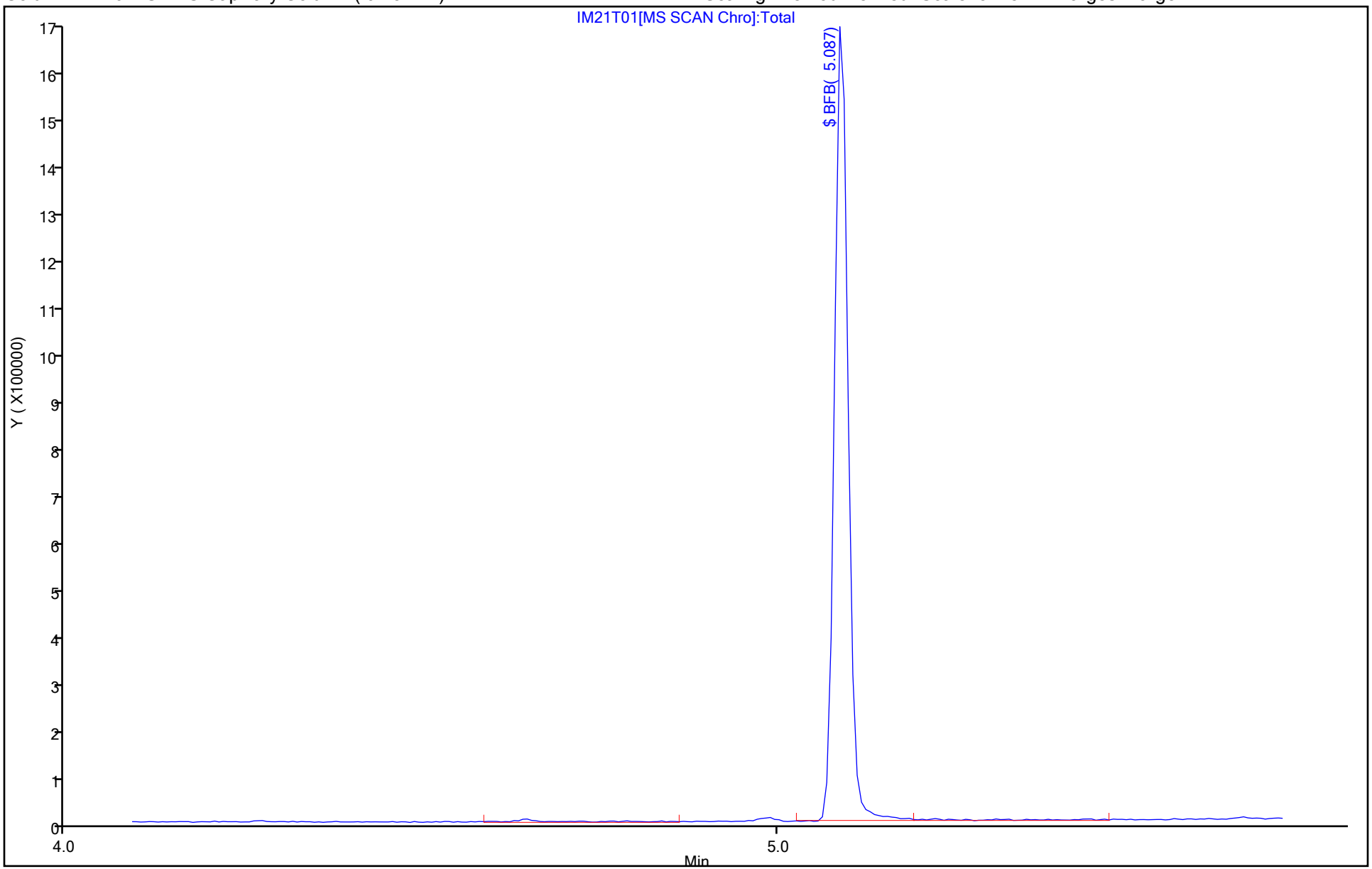
Report Date: 21-Mar-2023 17:39:19 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21T01.D

Injection Date:	21-Mar-2023 00:26:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29T01.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	29-Mar-2023 19:34:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0080205-001				
Misc. Info.:	BFB				
Operator ID:	mec29284	Instrument ID:	19930		
Method:	\\chromfs\Lancaster\ChromData\19930\20230329-80205.b\8260 25ml HP31.m				
Limit Group:	MSV - 8260C_D				
Last Update:	29-Mar-2023 20:11:12	Calib Date:	21-Mar-2023 06:02:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1625				
First Level Reviewer: K4WN		Date:	29-Mar-2023 19:42:41		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 167 BFB	95	5.075	5.075	0.000	0	264720	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

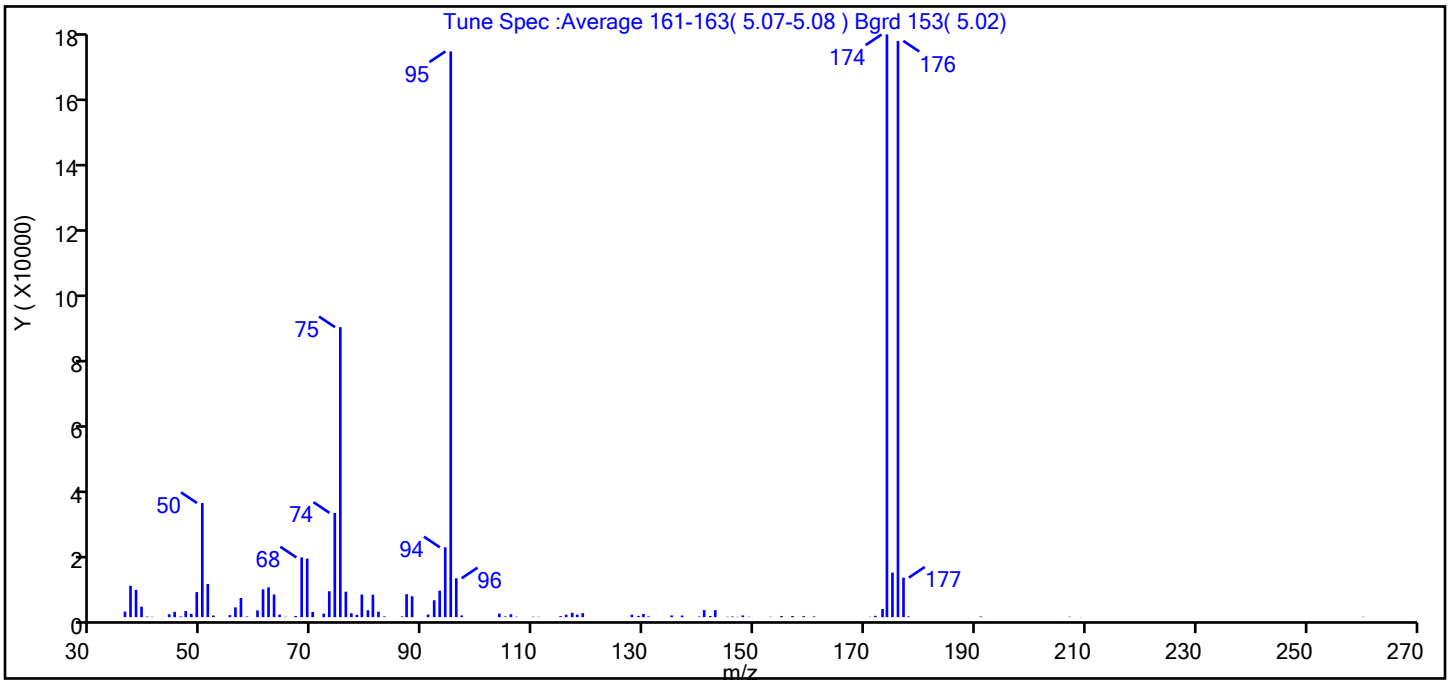
MSV_V_BFB_00011 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29T01.D
Injection Date: 29-Mar-2023 19:34:30 Instrument ID: 19930
Lims ID: BFB
Client ID:
Operator ID: mec29284 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 167 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.2
75	30 to 60% of m/z 95	51.3
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	1.4 (1.4)
174	50 to 120% of m/z 95	103.0
175	5 to 9% of m/z 174	7.9 (7.6)
176	Greater than 95% but less than 101% of m/z 174	101.9 (98.9)
177	5 to 9% of m/z 176	7.0 (6.9)

Data File: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29T01.D\8260 25ml HP31.rslt\spectra.d
Injection Date: 29-Mar-2023 19:34:30
Spectrum: Tune Spec :Average 161-163(5.07-5.08) Bgrd 153(5.02)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 95

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1649	64.00	738	94.00	20848	143.00	2094
37.00	9372	65.00	90	95.00	168960	145.00	105
38.00	8158	67.00	362	96.00	11604	146.00	190
39.00	3135	68.00	17840	97.00	520	147.00	83
40.00	169	69.00	17496	104.00	1056	148.00	515
41.00	104	70.00	1542	105.00	196	149.00	107
43.00	17	72.00	1039	106.00	859	153.00	89
44.00	854	73.00	7733	107.00	121	155.00	350
45.00	1578	74.00	31144	110.00	122	157.00	342
46.00	204	75.00	86600	111.00	87	159.00	297
47.00	1811	76.00	7603	115.00	299	161.00	207
48.00	958	77.00	1154	116.00	734	171.00	88
49.00	7481	78.00	679	117.00	1311	172.00	397
50.00	34088	79.00	6764	118.00	751	173.00	2433
51.00	9911	80.00	2055	119.00	1177	174.00	174016
52.00	493	81.00	6691	128.00	716	175.00	13293
55.00	596	82.00	1641	129.00	384	176.00	172096
56.00	2922	83.00	213	130.00	945	177.00	11800
57.00	5719	86.00	200	131.00	206	178.00	203
58.00	188	87.00	6869	135.00	529	191.00	188
60.00	2002	88.00	6254	137.00	480	207.00	112
61.00	8304	91.00	781	140.00	175	209.00	47
62.00	8888	92.00	5043	141.00	2109	260.00	85
63.00	6745	93.00	7909	142.00	334		

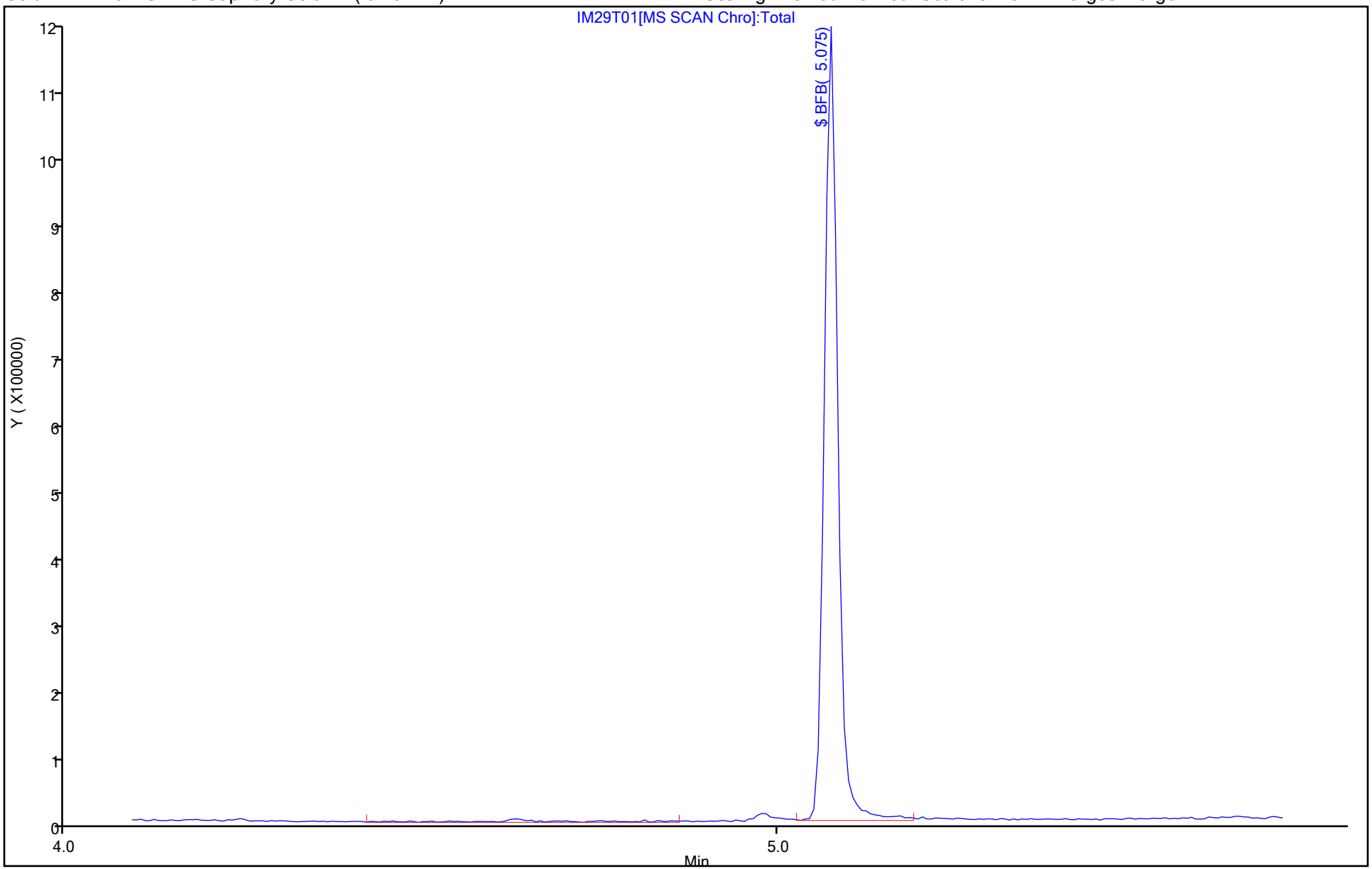
Report Date: 29-Mar-2023 20:11:12 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29T01.D

Injection Date:	29-Mar-2023 19:34:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-119839-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-357851/6

Matrix: Water
Lab File ID: HM27X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 20:26

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.: 357851
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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
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	0.10
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.: 410-119839-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-357851/6

Matrix: Water
Lab File ID: HM27X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 20:26

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.: 357851
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)	110		80-120
460-00-4	4-Bromofluorobenzene (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		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\19094\20230327-79983.b\HM27X05.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 27-Mar-2023 20:26:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-006
Misc. Info.: MB
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Mar-2023 21:54:43 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1665

First Level Reviewer: JS6E Date: 27-Mar-2023 21:01:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.886					ND	
2 Dichlorodifluoromethane	85		1.916					ND	
3 Chlorodifluoromethane	51		1.934					ND	7
4 Dimethyl ether	45		2.001					ND	
5 Chloromethane	50		2.111					ND	7
6 Butadiene	39		2.227					ND	7
7 Vinyl chloride	62		2.227					ND	
8 2-Chloro-1,1,1-Trifluoroethane	118		2.312					ND	
9 Bromomethane	94		2.556					ND	
10 Chloroethane	64		2.629					ND	
11 Dichlorofluoromethane	67		2.861					ND	
12 Trichlorofluoromethane	101		2.946					ND	
13 Ethanol	45		3.111					ND	
14 Ethyl ether	59		3.178					ND	
15 1,2-Dichloro-1,1,2-trifluoroetha	67		3.263					ND	
16 Acrolein	56		3.349					ND	
18 1,1-Dichloroethene	96		3.489					ND	
19 Acetone	43		3.513					ND	7
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.526					ND	
21 Isopropyl alcohol	45		3.654					ND	
22 Iodomethane	142		3.678					ND	
23 Ethyl bromide	108		3.708					ND	
24 Carbon disulfide	76		3.788					ND	7
26 Acetonitrile	41		3.897					ND	
25 Methyl acetate	43		3.928					ND	
27 3-Chloro-1-propene	41		3.958					ND	
28 Methylene Chloride	84		4.135					ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.190	4.160	0.030	19	121767	50.0	50.0	
31 2-Methyl-2-propanol	59		4.275					ND	
32 Acrylonitrile	53		4.464					ND	
33 Methyl tert-butyl ether	73		4.550					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	96		4.562				ND		
35 Hexane	57		4.976				ND		
36 Vinyl acetate	43		5.214				ND		
37 1,1-Dichloroethane	63		5.220				ND		
38 Isopropyl ether	45		5.275				ND		
39 2-Chloro-1,3-butadiene	53		5.324				ND		
41 Tert-butyl ethyl ether	59		5.812				ND		
42 2-Butanone (MEK)	43		6.007				ND		7
43 cis-1,2-Dichloroethene	96		6.043				ND		
44 2,2-Dichloropropane	77		6.068				ND		
45 Propionitrile	54		6.092				ND		
46 Ethyl acetate	43		6.098				ND		
S 47 1,2-Dichloroethene, Total	100		6.155				ND		7
48 Methacrylonitrile	67		6.312				ND		
49 Chlorobromomethane	128		6.379				ND		
50 Tetrahydrofuran	71		6.385				ND		
51 Methyl acrylate	55		6.482				ND		
52 Chloroform	83		6.531				ND		
$ 53 Dibromofluoromethane (Surr)	113	6.757	6.744	0.013	94	574309	10.0	10.3	
54 1,1,1-Trichloroethane	97		6.763				ND		
55 Cyclohexane	56		6.866				ND		
56 1,1-Dichloropropene	75		6.970				ND		
57 Carbon tetrachloride	117		6.982				ND		
58 Isobutyl alcohol	41		7.116				ND		
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.214	7.196	0.018	52	112223	10.0	11.0	
60 Benzene	78		7.232				ND		
61 1-Chlorobutane	56		7.250				ND		
62 1,2-Dichloroethane	62		7.305				ND		7
63 Isopropyl acetate	43		7.324				ND		
64 Tert-amyl methyl ether	73		7.433				ND		
* 65 Fluorobenzene (IS)	96	7.647	7.641	0.006	99	2209000	10.0	10.0	
66 n-Heptane	43		7.659				ND		7
67 t-Amyl alcohol	73		7.842				ND		
68 n-Butanol	56		8.000				ND		
69 Trichloroethene	95		8.122				ND		
70 Methylcyclohexane	83		8.439				ND		
71 1,2-Dichloropropane	63		8.457				ND		
72 2-ethoxy-2-methyl butane	87		8.470				ND		
74 Methyl methacrylate	69		8.537				ND		
73 1,4-Dioxane	88		8.555				ND		
75 Dibromomethane	93		8.567				ND		
76 n-Propyl acetate	61		8.622				ND		
77 Dichlorobromomethane	83		8.799				ND		
78 2-Nitropropane	41		9.061				ND		
79 2-Chloroethyl vinyl ether	63		9.171				ND		
80 1-Bromo-2-chloroethane	63		9.195				ND		
81 cis-1,3-Dichloropropene	75		9.354				ND		
82 Chloroacetonitrile	75		9.427				ND		
83 4-Methyl-2-pentanone (MIBK)	43		9.524				ND		
$ 84 Toluene-d8 (Surr)	98	9.665	9.665	0.000	93	2296600	10.0	10.2	
85 Toluene	92		9.738				ND		7
86 trans-1,3-Dichloropropene	75		10.000				ND		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 104 1,3-Dichloropropene, Total	100		10.060					ND	7
105 Ethyl methacrylate	69		10.061					ND	
106 1,1,2-Trichloroethane	97		10.201					ND	7
107 Tetrachloroethene	166		10.292					ND	
108 1,3-Dichloropropane	76		10.366					ND	
109 2-Hexanone	43		10.414					ND	
110 n-Butyl acetate	43		10.530					ND	
111 Chlorodibromomethane	129		10.579					ND	
112 Ethylene Dibromide	107		10.695					ND	
* 113 Chlorobenzene-d5 (IS)	117	11.128	11.122	0.006	86	1837012	10.0	10.0	
114 1-Chlorohexane	91		11.134					ND	7
115 Chlorobenzene	112		11.152					ND	7
116 1,1,1,2-Tetrachloroethane	131		11.231					ND	
118 Ethylbenzene	91		11.237					ND	
S 117 Xylenes, Total	106		11.245					ND	7
119 m-Xylene & p-Xylene	106		11.353					ND	
120 o-Xylene	106		11.676					ND	
121 Styrene	104		11.695					ND	
122 Bromoform	173		11.853					ND	
123 Isopropylbenzene	105		11.981					ND	
124 cis-1,4-Dichloro-2-butene	88		12.012					ND	
125 Cyclohexanone	55		12.042					ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.128	12.121	0.007	93	830448	10.0	9.10	
127 1,1,2,2-Tetrachloroethane	83		12.219					ND	
128 Bromobenzene	156		12.237					ND	
129 trans-1,4-Dichloro-2-butene	53		12.243					ND	
130 1,2,3-Trichloropropane	110		12.268					ND	
131 N-Propylbenzene	91		12.304					ND	7
132 2-Chlorotoluene	126		12.384					ND	
133 1,3,5-Trimethylbenzene	105		12.445					ND	
134 4-Chlorotoluene	126		12.475					ND	
135 tert-Butylbenzene	134		12.682					ND	
136 Pentachloroethane	167		12.713					ND	
137 1,2,4-Trimethylbenzene	105		12.725					ND	7
138 sec-Butylbenzene	105		12.847					ND	7
139 1,3-Dichlorobenzene	146		12.944					ND	7
140 4-Isopropyltoluene	119		12.951					ND	7
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	95	1016641	10.0	10.0	
142 1,4-Dichlorobenzene	146		13.018					ND	7
143 1,2,3-Trimethylbenzene	120		13.024					ND	7
144 Benzyl chloride	126		13.091					ND	
145 p-Diethylbenzene	119	13.158	13.152	0.006	1	1480		0.008421	
146 n-Butylbenzene	92		13.243					ND	7
147 1,2-Dichlorobenzene	146		13.274					ND	
148 Hexachloroethane	201		13.682					ND	
149 1,2-Dibromo-3-Chloropropane	155		13.816					ND	
150 1,3,5-Trichlorobenzene	180		13.938					ND	7
151 1,2,4-Trichlorobenzene	180		14.359					ND	7
152 Hexachlorobutadiene	225	14.444	14.444	0.000	89	3502		0.0763	
153 Naphthalene	128		14.542					ND	7
154 1,2,3-Trichlorobenzene	180	14.688	14.682	0.006	86	3081		0.0384	
155 2-Methylnaphthalene	142	15.310	15.298	0.012	84	6403		0.0697	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
156 tert-Butyl Formate	1		0.000					ND	
157 Dodecane	57		0.000					ND	
158 Pentane	43		0.000					ND	
159 1,1-Dichloroacetone	1		0.000					ND	
160 n-Decane	57		0.000					ND	
161 1-Bromo-3-Chloropropane	1		0.000					ND	
162 1-Chloropropane	1		0.000					ND	
163 Propene oxide	1		0.000					ND	
164 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
165 Methylal	1		0.000					ND	
166 2-Bromo-1-chloropropane	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP25_ISSS_00066 Amount Added: 1.00 Units: uL Run Reagent

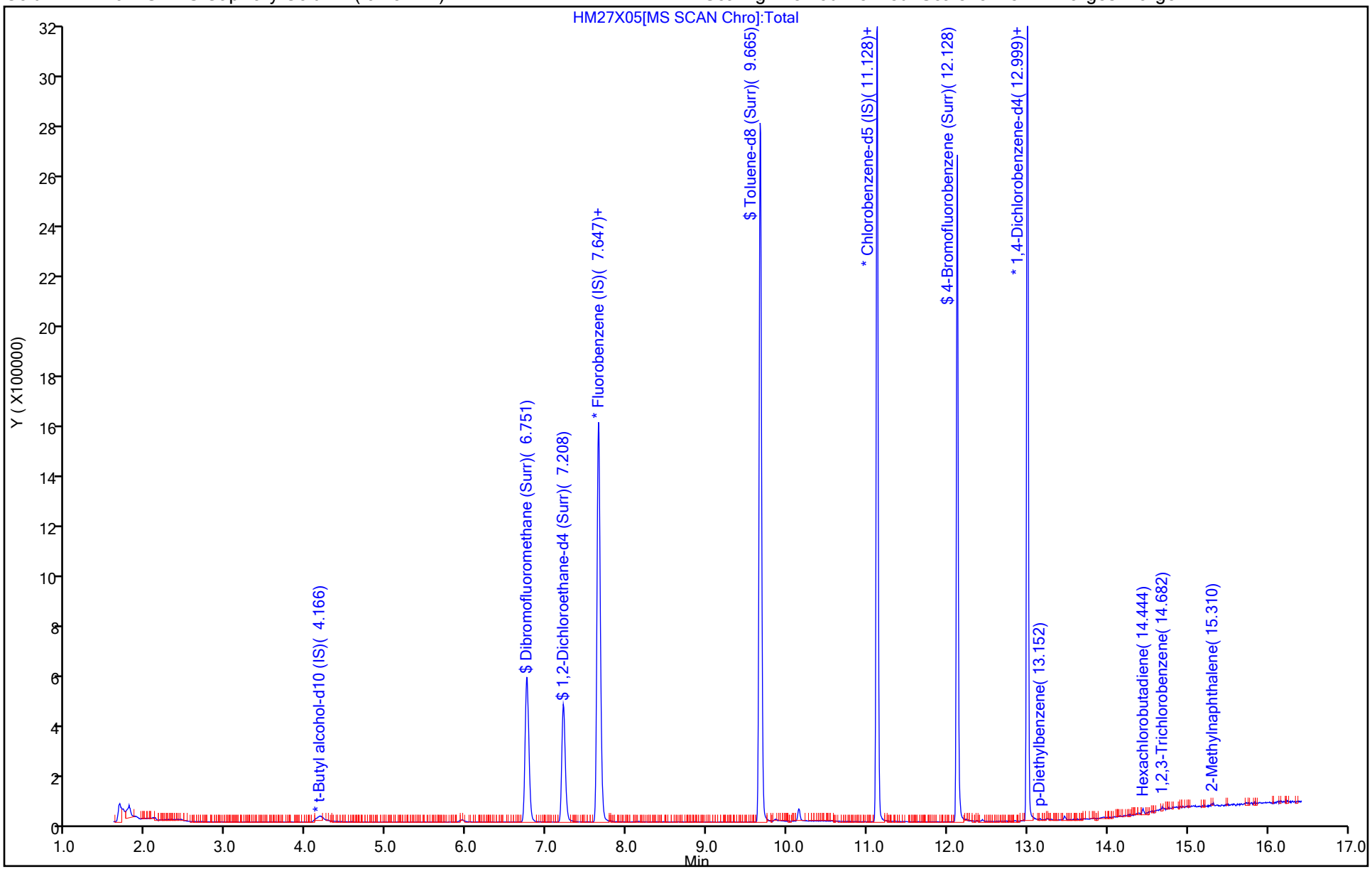
Report Date: 27-Mar-2023 21:54:56 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X05.D

Injection Date:	27-Mar-2023 20:26:30	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#:	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\20230327-79983.b\HM27X05.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	27-Mar-2023 20:26:30	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-006				
Misc. Info.:	MB				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	27-Mar-2023 21:54:43	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1665				

First Level Reviewer: JS6E Date: 27-Mar-2023 21:01:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.3	102.72
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.0	110.00
$ 84 Toluene-d8 (Surr)	10.0	10.2	102.19
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.10	91.02

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-119839-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-358849/6

Matrix: Water
Lab File ID: IM29X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/29/2023 21:07

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.: 358849
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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
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	0.10
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.: 410-119839-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-358849/6

Matrix: Water
Lab File ID: IM29X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/29/2023 21:07

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.: 358849
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)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X05.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 29-Mar-2023 21:07:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0080205-006
Misc. Info.: MB
Operator ID: mec29284 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 30-Mar-2023 12:47:20 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: K4WN Date: 29-Mar-2023 21:32:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85		1.898					ND	
2 Chlorodifluoromethane	51		1.910					ND	
3 Dimethyl ether	45		1.983					ND	
4 Chloromethane	50		2.087					ND	
5 Vinyl chloride	62		2.197					ND	
6 Butadiene	39		2.209					ND	7
7 Bromomethane	94		2.526					ND	
8 Chloroethane	64		2.599					ND	
9 Dichlorofluoromethane	67		2.837					ND	7
10 Trichlorofluoromethane	101		2.898					ND	
11 Ethyl ether	59		3.135					ND	
13 1,2-Dichloro-1,1,2-trifluoroetha	67		3.215					ND	
14 Acrolein	56		3.300					ND	7
15 1,1-Dichloroethene	96		3.434					ND	
16 Acetone	43		3.465					ND	U
17 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.477					ND	
18 Iodomethane	142		3.629					ND	
19 Ethyl bromide	108		3.654					ND	
20 Carbon disulfide	76		3.733					ND	7
23 Methyl acetate	43		3.873					ND	7
24 3-Chloro-1-propene	41		3.897					ND	
21 Acetonitrile	41		3.910					ND	
25 Methylene Chloride	84		4.074					ND	
* 26 t-Butyl alcohol-d10 (IS)	65	4.135	4.099	0.036	27	136272	50.0	50.0	
27 2-Methyl-2-propanol	59	4.257	4.233	0.024	1	2161		0.7609	
28 Acrylonitrile	53		4.416					ND	
29 Methyl tert-butyl ether	73		4.477					ND	
30 trans-1,2-Dichloroethene	96		4.489					ND	
31 Hexane	57		4.916					ND	7
33 Vinyl acetate	43		5.141					ND	
32 1,1-Dichloroethane	63		5.147					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Isopropyl ether	45		5.208				ND		
36 2-Chloro-1,3-butadiene	53		5.257				ND		
37 Tert-butyl ethyl ether	59		5.745				ND		
38 2-Butanone (MEK)	43		5.946				ND		7
39 cis-1,2-Dichloroethene	96		5.982				ND		
40 2,2-Dichloropropane	77		6.001				ND		7
42 Ethyl acetate	43		6.025				ND		7
43 Propionitrile	54		6.043				ND		
S 41 1,2-Dichloroethene, Total	100		6.155				ND		7
44 Methyl acrylate	55		6.220				ND		
45 Methacrylonitrile	67		6.245				ND		
46 Chlorobromomethane	128		6.312				ND		
47 Tetrahydrofuran	71		6.324				ND		
48 Chloroform	83		6.464				ND		
$ 49 Dibromofluoromethane (Surr)	113	6.683	6.677	0.006	94	588428	10.0	10.2	
50 1,1,1-Trichloroethane	97		6.690				ND		
51 Cyclohexane	56		6.787				ND		
53 1,1-Dichloropropene	75		6.903				ND		
54 Carbon tetrachloride	117		6.903				ND		
52 1-Chlorobutane	56		7.019				ND		
55 Isobutyl alcohol	41		7.074				ND		7
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.141	7.128	0.013	63	111255	10.0	10.1	
57 Benzene	78		7.159				ND		
58 1,2-Dichloroethane	62		7.232				ND		
59 Isopropyl acetate	43		7.250				ND		
60 Tert-amyl methyl ether	73		7.354				ND		
* 61 Fluorobenzene (IS)	96	7.573	7.567	0.006	99	2183599	10.0	10.0	
62 n-Heptane	43		7.580				ND		U
63 n-Butanol	56		7.958				ND		
64 Trichloroethene	95		8.049				ND		
65 Methylcyclohexane	83		8.354				ND		
66 1,2-Dichloropropane	63		8.378				ND		
67 Methyl methacrylate	69		8.464				ND		
68 1,4-Dioxane	88		8.482				ND		
69 Dibromomethane	93		8.488				ND		
70 n-Propyl acetate	43		8.549				ND		
71 Dichlorobromomethane	83		8.720				ND		
72 2-Nitropropane	41		8.988				ND		
75 1-Bromo-2-chloroethane	63		9.116				ND		
73 2-Chloroethyl vinyl ether	63		9.152				ND		
74 Chloroacetonitrile	75		9.226				ND		
76 cis-1,3-Dichloropropene	75		9.274				ND		
77 4-Methyl-2-pentanone (MIBK)	43		9.451				ND		7
$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2177392	10.0	9.76	
79 Toluene	92		9.665				ND		7
97 trans-1,3-Dichloropropene	75		9.927				ND		
99 Ethyl methacrylate	69		9.994				ND		
S 98 1,3-Dichloropropene, Total	100		10.060				ND		7
100 1,1,2-Trichloroethane	97		10.134				ND		
101 Tetrachloroethene	166		10.225				ND		
102 1,3-Dichloropropane	76		10.299				ND		
103 2-Hexanone	43		10.347				ND		7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
104 n-Butyl acetate	43		10.475					ND	
105 Chlorodibromomethane	129		10.518					ND	
106 Ethylene Dibromide	107		10.628					ND	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1733343	10.0	10.0	
108 1-Chlorohexane	91		11.067					ND	7
109 Chlorobenzene	112		11.085					ND	
111 1,1,1,2-Tetrachloroethane	131		11.170					ND	
112 Ethylbenzene	91		11.170					ND	
S 110 Xylenes, Total	106		11.245					ND	7
113 m-Xylene & p-Xylene	106		11.286					ND	
114 o-Xylene	106		11.615					ND	
115 Styrene	104		11.634					ND	
116 Bromoform	173		11.792					ND	
117 Isopropylbenzene	105		11.920					ND	
118 cis-1,4-Dichloro-2-butene	88		11.969					ND	
119 Cyclohexanone	55		12.000					ND	
$ 120 4-Bromofluorobenzene (Surr)	95	12.066	12.067	-0.001	96	814655	10.0	10.0	
121 1,1,2,2-Tetrachloroethane	83		12.164					ND	
122 Bromobenzene	156		12.176					ND	
123 trans-1,4-Dichloro-2-butene	53		12.188					ND	
124 1,2,3-Trichloropropane	110		12.207					ND	
125 N-Propylbenzene	91		12.249					ND	
126 2-Chlorotoluene	126		12.323					ND	
127 1,3,5-Trimethylbenzene	105		12.384					ND	
128 4-Chlorotoluene	126		12.420					ND	7
129 tert-Butylbenzene	134		12.627					ND	
130 Pentachloroethane	167		12.658					ND	
131 1,2,4-Trimethylbenzene	105		12.670					ND	
132 sec-Butylbenzene	105	12.792	12.792	0.000	89	2591		0.006855	7a
133 1,3-Dichlorobenzene	146		12.890					ND	
134 4-Isopropyltoluene	119		12.896					ND	7
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1098392	10.0	10.0	
136 1,4-Dichlorobenzene	146		12.963					ND	7
137 1,2,3-Trimethylbenzene	120		12.975					ND	7
138 Benzyl chloride	126		13.042					ND	7
139 n-Butylbenzene	92		13.188					ND	7
140 1,2-Dichlorobenzene	146		13.219					ND	
141 Hexachloroethane	117		13.542					ND	
142 1,2-Dibromo-3-Chloropropane	155		13.767					ND	
143 1,3,5-Trichlorobenzene	180		13.889					ND	7
144 1,2,4-Trichlorobenzene	180	14.322	14.316	0.006	89	4119		0.0398	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	90	3137		0.0528	
146 Naphthalene	128	14.499	14.493	0.006	96	9353		0.0486	
147 1,2,3-Trichlorobenzene	180	14.639	14.633	0.006	93	5213		0.0555	
148 Dodecane	57		0.000					ND	
151 1,1-Dichloroacetone	1		0.000					ND	
152 n-Decane	57		0.000					ND	
153 1-Bromo-3-Chloropropane	1		0.000					ND	
154 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
155 2-Methylnaphthalene	142		0.000					ND	
156 p-Diethylbenzene	1		0.000					ND	
157 t-Amyl alcohol	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
158 Methylal	1		0.000					ND	
159 tert-Butyl Formate	1		0.000					ND	
160 2-Bromo-1-chloropropane	1		0.000					ND	
223 1,1,2-Trifluoroethane TIC	1		0.000					ND	
161 Pentane	43		0.000					ND	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000					ND	
150 2-ethoxy-2-methyl butane	1		0.000					ND	
165 Isopropyl alcohol	45		0.000					ND	
217 Freon 115 TIC	1		0.000					ND	
216 Ethyl ether TIC	1		0.000					ND	
215 1-Chloro-1,1-difluoroethane TIC	1		0.000					ND	
214 Dichloro-1,1,2,2-tetrafluoretha	1		0.000					ND	
213 Chlorofluoromethane TIC	1		0.000					ND	
218 Fluoromethane TIC	1		0.000					ND	
225 1,1-Dichloro-1-fluoroethane TIC	1		0.000					ND	
222 Vinyl Fluoride TIC	1		0.000					ND	
162 Chlorotrifluoroethene	1		0.000					ND	
163 Propene oxide	1		0.000					ND	
221 1,1,1-Trichloro-2,2,2-trifluoroe	1		0.000					ND	
220 1,2-Dichlorofluoroethane TIC	1		0.000					ND	
219 1,1,1-Trifluoro-2,2-dichloroetha	1		0.000					ND	
164 1-Chloropropane	1		0.000					ND	
166 Ethanol	45		3.269					ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

MSV_LLcentISS_00006 Amount Added: 5.00 Units: uL Run Reagent

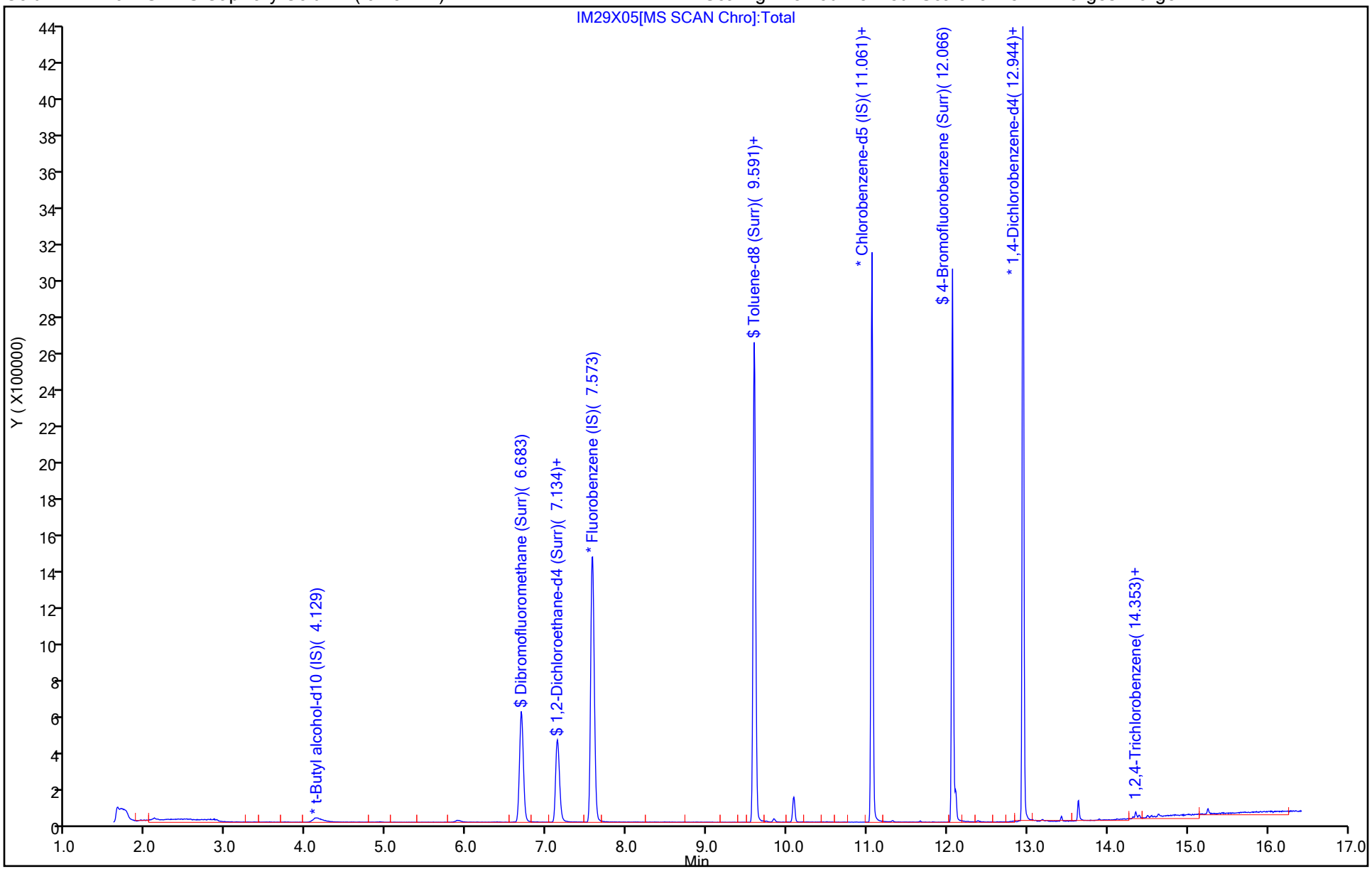
Report Date: 30-Mar-2023 12:47:21 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X05.D

Injection Date:	29-Mar-2023 21:07:30	Instrument ID:	19930	Operator ID:	mec29284
Lims ID:	MB			Worklist Smp#:	6
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X05.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 29-Mar-2023 21:07:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0080205-006
Misc. Info.: MB
Operator ID: mec29284 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 30-Mar-2023 12:47:20 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: K4WN Date: 29-Mar-2023 21:32:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.2	101.71
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	101.39
$ 78 Toluene-d8 (Surr)	10.0	9.76	97.58
$ 120 4-Bromofluorobenzene (Surr)	10.0	10.0	100.15

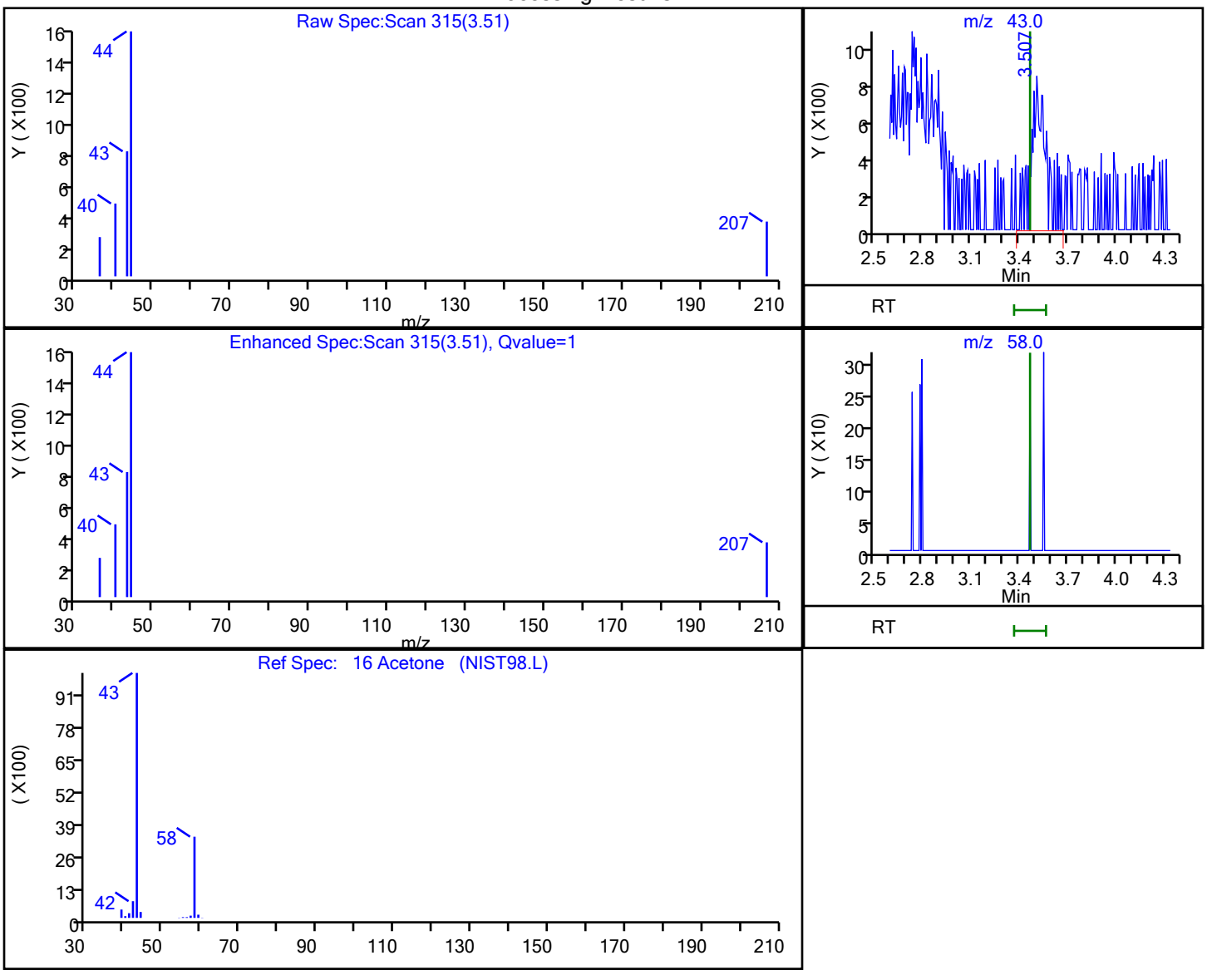
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X05.D				
Injection Date:	29-Mar-2023 21:07:30	Instrument ID:	19930		
Lims ID:	MB				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.51	43.00	5186	0.593729
3.46	58.00	0	

Reviewer: kaewrungrueangp, 30-Mar-2023 12:46:50

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.: 410-119839-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-357851/4

Matrix: Water
Lab File ID: HM27X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 19:45

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.: 357851
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.92		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	5.51		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.59		0.50	0.080
75-34-3	1,1-Dichloroethane	5.37		0.50	0.10
75-35-4	1,1-Dichloroethene	5.15		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.83		0.50	0.080
107-06-2	1,2-Dichloroethane	5.75		0.50	0.070
78-87-5	1,2-Dichloropropane	5.45		0.50	0.10
78-93-3	2-Butanone (MEK)	67.9		5.0	1.0
591-78-6	2-Hexanone	65.6		5.0	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	63.4		5.0	1.0
67-64-1	Acetone	61.4		5.0	1.0
71-43-2	Benzene	5.20		0.50	0.10
74-97-5	Bromochloromethane	5.61		0.50	0.080
75-27-4	Bromodichloromethane	5.47		0.50	0.080
75-25-2	Bromoform	5.97		1.0	0.30
75-15-0	Carbon disulfide	5.92		1.0	0.10
56-23-5	Carbon tetrachloride	5.36		0.50	0.10
108-90-7	Chlorobenzene	5.82		0.50	0.070
67-66-3	Chloroform	5.42		0.50	0.090
156-59-2	cis-1,2-Dichloroethene	5.25		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.09		0.50	0.10
124-48-1	Dibromochloromethane	6.03		0.50	0.080
100-41-4	Ethylbenzene	5.45		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.06		0.50	0.080
75-09-2	Methylene Chloride	5.44		0.50	0.10
100-42-5	Styrene	5.50		0.50	0.070
127-18-4	Tetrachloroethene	5.61		0.50	0.20
108-88-3	Toluene	5.44		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.22		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.91		0.50	0.080
79-01-6	Trichloroethene	5.11		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-119839-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-357851/4

Matrix: Water
Lab File ID: HM27X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2023 19:45

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.: 357851
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	17.0		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		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\19094\20230327-79983.b\HM27X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 27-Mar-2023 19:45:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-004
Misc. Info.: LCS
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Mar-2023 21:54:43 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1665

First Level Reviewer: JS6E Date: 27-Mar-2023 20:10:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
14 Ethyl ether	59	3.190	3.178	0.012	92	199684	4.99	4.41	
16 Acrolein	56	3.367	3.349	0.018	99	206792	37.5	31.1	M
18 1,1-Dichloroethene	96	3.507	3.489	0.018	98	315554	5.00	5.15	
19 Acetone	43	3.538	3.513	0.025	94	476019	62.5	61.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.538	3.526	0.012	92	292384	5.00	4.89	
21 Isopropyl alcohol	45	3.696	3.654	0.042	26	55896	37.5	35.7	
22 Iodomethane	142	3.696	3.678	0.018	98	580725	5.00	5.45	
23 Ethyl bromide	108	3.727	3.708	0.019	99	212436	4.93	3.95	
24 Carbon disulfide	76	3.806	3.788	0.018	99	970013	5.00	5.92	
25 Methyl acetate	43	3.934	3.928	0.006	97	112530	5.00	5.49	
27 3-Chloro-1-propene	41	3.977	3.958	0.019	93	549597	5.00	5.17	
28 Methylene Chloride	84	4.159	4.135	0.024	94	345115	5.00	5.44	
* 29 t-Butyl alcohol-d10 (IS)	65	4.172	4.160	0.012	98	121165	50.0	50.0	
31 2-Methyl-2-propanol	59	4.300	4.275	0.025	99	138433	50.0	52.8	
32 Acrylonitrile	53	4.489	4.464	0.025	100	286875	25.0	27.4	
33 Methyl tert-butyl ether	73	4.556	4.550	0.006	95	692492	5.00	5.06	
34 trans-1,2-Dichloroethene	96	4.580	4.562	0.018	99	354876	5.00	5.22	
35 Hexane	57	4.989	4.976	0.013	92	388392	5.00	4.08	
37 1,1-Dichloroethane	63	5.232	5.220	0.012	96	683157	5.00	5.37	
38 Isopropyl ether	45	5.293	5.275	0.018	94	1047712	5.00	4.84	
39 2-Chloro-1,3-butadiene	53	5.336	5.324	0.012	90	530732	5.00	5.11	
41 Tert-butyl ethyl ether	59	5.830	5.812	0.018	98	917277	5.00	4.79	
42 2-Butanone (MEK)	43	6.019	6.007	0.012	100	915351	62.5	67.9	
43 cis-1,2-Dichloroethene	96	6.055	6.043	0.012	83	392626	5.00	5.25	
44 2,2-Dichloropropane	77	6.086	6.068	0.018	88	612622	5.00	5.75	
45 Propionitrile	54	6.104	6.092	0.012	98	148224	37.5	42.9	
48 Methacrylonitrile	67	6.318	6.312	0.006	92	555132	37.5	37.2	
49 Chlorobromomethane	128	6.391	6.379	0.012	96	167572	5.00	5.61	
50 Tetrahydrofuran	71	6.391	6.385	0.006	78	98482	25.0	25.5	
52 Chloroform	83	6.543	6.531	0.012	93	650336	5.00	5.42	
$ 53 Dibromofluoromethane (Surr)	113	6.750	6.744	0.006	93	607316	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
54 1,1,1-Trichloroethane	97	6.769	6.763	0.006	96	586851	5.00	5.25	
55 Cyclohexane	56	6.885	6.866	0.019	90	526237	5.00	4.15	
56 1,1-Dichloropropene	75	6.976	6.970	0.006	95	510871	5.00	5.06	
57 Carbon tetrachloride	117	6.988	6.982	0.006	97	517216	5.00	5.36	
58 Isobutyl alcohol	41	7.134	7.116	0.018	96	125633	125.0	146.9	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.208	7.196	0.012	77	113152	10.0	10.4	
60 Benzene	78	7.244	7.232	0.012	97	1530331	5.00	5.20	
62 1,2-Dichloroethane	62	7.311	7.305	0.006	97	366798	5.00	5.75	
64 Tert-amyl methyl ether	73	7.439	7.433	0.006	98	807995	5.00	4.95	
* 65 Fluorobenzene (IS)	96	7.647	7.641	0.006	98	2355362	10.0	10.0	
66 n-Heptane	43	7.665	7.659	0.006	90	385467	5.00	3.70	
68 n-Butanol	56	8.018	8.000	0.018	89	189131	250.0	258.7	
69 Trichloroethene	95	8.128	8.122	0.006	98	395873	5.00	5.11	
70 Methylcyclohexane	83	8.445	8.439	0.006	93	528334	5.00	4.04	
71 1,2-Dichloropropane	63	8.457	8.457	0.000	93	402637	5.00	5.45	
72 2-ethoxy-2-methyl butane	87	8.470	8.470	0.000	93	514442	5.00	4.97	
74 Methyl methacrylate	69	8.549	8.537	0.012	90	140174	5.00	4.71	
73 1,4-Dioxane	88	8.555	8.555	0.000	31	25964	125.0	136.7	
75 Dibromomethane	93	8.567	8.567	0.000	96	169200	5.00	5.50	
77 Dichlorobromomethane	83	8.805	8.799	0.006	99	454490	5.00	5.47	
78 2-Nitropropane	41	9.073	9.061	0.012	96	41555	5.00	5.63	
81 cis-1,3-Dichloropropene	75	9.360	9.354	0.006	96	530881	5.00	5.09	
83 4-Methyl-2-pentanone (MIBK)	43	9.524	9.524	0.000	97	2317772	62.5	63.4	
$ 84 Toluene-d8 (Surr)	98	9.664	9.665	-0.001	93	2494991	10.0	10.5	
85 Toluene	92	9.744	9.738	0.006	98	960108	5.00	5.44	
86 trans-1,3-Dichloropropene	75	10.000	10.000	0.000	92	443689	5.00	5.91	
105 Ethyl methacrylate	69	10.061	10.061	0.000	89	283197	5.00	4.92	
106 1,1,2-Trichloroethane	97	10.207	10.201	0.006	91	233536	5.00	5.59	
107 Tetrachloroethene	166	10.299	10.292	0.006	97	456903	5.00	5.61	
108 1,3-Dichloropropane	76	10.366	10.366	0.000	91	413916	5.00	5.75	
109 2-Hexanone	43	10.414	10.414	0.000	98	1592554	62.5	65.6	
111 Chlorodibromomethane	129	10.585	10.579	0.006	90	311683	5.00	6.03	
112 Ethylene Dibromide	107	10.695	10.695	0.000	99	222929	5.00	5.83	
* 113 Chlorobenzene-d5 (IS)	117	11.128	11.122	0.006	85	1939843	10.0	10.0	
114 1-Chlorohexane	91	11.134	11.134	0.000	99	511854	5.00	4.70	
115 Chlorobenzene	112	11.152	11.152	0.000	95	1093230	5.00	5.82	
116 1,1,1,2-Tetrachloroethane	131	11.231	11.231	0.000	96	381341	5.00	5.92	
118 Ethylbenzene	91	11.237	11.237	0.000	98	1877809	5.00	5.45	
119 m-Xylene & p-Xylene	106	11.353	11.353	0.000	99	1511394	10.0	11.5	
120 o-Xylene	106	11.682	11.676	0.006	96	695495	5.00	5.48	
121 Styrene	104	11.695	11.695	0.000	94	1131898	5.00	5.50	
122 Bromoform	173	11.853	11.853	0.000	97	177856	5.00	5.97	
123 Isopropylbenzene	105	11.981	11.981	0.000	96	1836340	5.00	5.35	
$ 126 4-Bromofluorobenzene (Surr)	95	12.121	12.121	0.000	92	929376	10.0	9.65	
127 1,1,2,2-Tetrachloroethane	83	12.219	12.219	0.000	93	289767	5.00	5.51	
128 Bromobenzene	156	12.243	12.237	0.006	95	443091	5.00	5.63	
129 trans-1,4-Dichloro-2-butene	53	12.249	12.243	0.006	90	351476	25.0	27.8	
130 1,2,3-Trichloropropane	110	12.268	12.268	0.000	82	73685	5.00	5.58	
131 N-Propylbenzene	91	12.310	12.304	0.006	99	2261494	5.00	5.15	
132 2-Chlorotoluene	126	12.383	12.384	-0.001	97	456888	5.00	5.41	
133 1,3,5-Trimethylbenzene	105	12.444	12.445	0.000	95	1547809	5.00	5.05	
134 4-Chlorotoluene	126	12.475	12.475	0.000	97	469042	5.00	5.53	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 tert-Butylbenzene	134	12.682	12.682	0.000	93	328099	5.00	4.84	
136 Pentachloroethane	167	12.713	12.713	0.000	91	270037	5.00	5.68	
137 1,2,4-Trimethylbenzene	105	12.725	12.725	0.000	97	1607066	5.00	5.20	
138 sec-Butylbenzene	105	12.847	12.847	0.000	94	1964785	5.00	4.90	
139 1,3-Dichlorobenzene	146	12.944	12.944	0.000	98	886036	5.00	5.43	
140 4-Isopropyltoluene	119	12.950	12.951	0.000	97	1714179	5.00	4.99	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	94	1149592	10.0	10.0	
142 1,4-Dichlorobenzene	146	13.017	13.018	-0.001	95	899642	5.00	5.56	
143 1,2,3-Trimethylbenzene	120	13.030	13.024	0.006	98	703481	5.00	5.34	
144 Benzyl chloride	126	13.091	13.091	0.000	98	126748	5.00	5.93	
145 p-Diethylbenzene	119	13.152	13.152	0.000	91	984578	5.00	4.95	
146 n-Butylbenzene	92	13.243	13.243	0.000	97	838229	5.00	4.83	
147 1,2-Dichlorobenzene	146	13.274	13.274	0.000	98	798806	5.00	5.53	
149 1,2-Dibromo-3-Chloropropane	155	13.816	13.816	0.000	87	37436	5.00	5.39	
150 1,3,5-Trichlorobenzene	180	13.944	13.938	0.006	97	622727	5.00	4.91	
151 1,2,4-Trichlorobenzene	180	14.365	14.359	0.006	94	504049	5.00	4.72	
152 Hexachlorobutadiene	225	14.444	14.444	0.000	96	195460	5.00	3.77	
153 Naphthalene	128	14.542	14.542	0.000	97	746195	5.00	4.33	
154 1,2,3-Trichlorobenzene	180	14.682	14.682	0.000	96	420104	5.00	4.63	
155 2-Methylnaphthalene	142	15.298	15.298	0.000	93	284810	5.00	2.74	
158 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

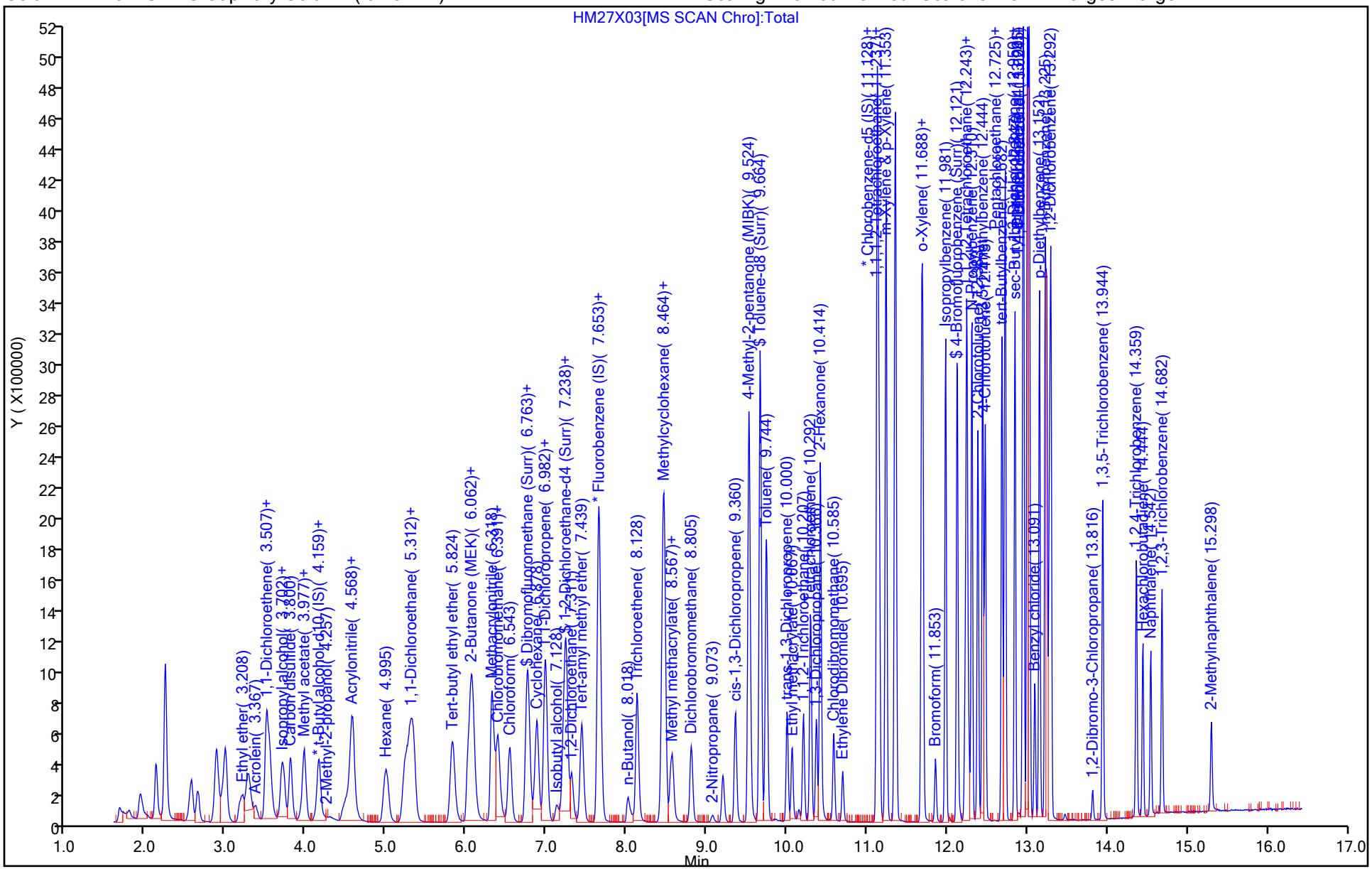
LCS_ETBR_00005	Amount Added:	6.25	Units: uL	
MSV_LCS_Penta_00027	Amount Added:	6.25	Units: uL	
MSV_LCS_EE_00004	Amount Added:	6.25	Units: uL	
MSV_LCS_ACROL_00104	Amount Added:	6.25	Units: uL	
MSV_LCS_VOC#1_00102	Amount Added:	6.25	Units: uL	
MSV_HP25_ISSS_00066	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 27-Mar-2023 21:54:49 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X03.D				
Injection Date:	27-Mar-2023 19:45:30	Instrument ID:	19094	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_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\20230327-79983.b\HM27X03.D				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	27-Mar-2023 19:45:30	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-004				
Misc. Info.:	LCS				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	27-Mar-2023 21:54:43	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1665				

First Level Reviewer: JS6E Date: 27-Mar-2023 20:10:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.2	101.87
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	104.02
$ 84 Toluene-d8 (Surr)	10.0	10.5	105.13
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.65	96.47

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-119839-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-358849/4

Matrix: Water
Lab File ID: IM29X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/29/2023 20:27

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.: 358849
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.18		0.50	0.070
71-55-6	1,1,1-Trichloroethane	4.94		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.01		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.06		0.50	0.080
75-34-3	1,1-Dichloroethane	4.74		0.50	0.10
75-35-4	1,1-Dichloroethene	4.90		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.23		0.50	0.080
107-06-2	1,2-Dichloroethane	4.85		0.50	0.070
78-87-5	1,2-Dichloropropane	4.96		0.50	0.10
78-93-3	2-Butanone (MEK)	62.5		5.0	1.0
591-78-6	2-Hexanone	66.6		5.0	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	66.6		5.0	1.0
67-64-1	Acetone	50.2		5.0	1.0
71-43-2	Benzene	4.92		0.50	0.10
74-97-5	Bromochloromethane	5.09		0.50	0.080
75-27-4	Bromodichloromethane	5.05		0.50	0.080
75-25-2	Bromoform	5.06		1.0	0.30
74-83-9	Bromomethane	4.94		0.50	0.10
75-15-0	Carbon disulfide	4.53		1.0	0.10
56-23-5	Carbon tetrachloride	4.95		0.50	0.10
108-90-7	Chlorobenzene	4.90		0.50	0.070
75-00-3	Chloroethane	5.06		0.50	0.10
67-66-3	Chloroform	4.91		0.50	0.090
74-87-3	Chloromethane	4.76		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.01		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.96		0.50	0.10
124-48-1	Dibromochloromethane	5.10		0.50	0.080
100-41-4	Ethylbenzene	4.88		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.93		0.50	0.080
75-09-2	Methylene Chloride	4.96		0.50	0.10
100-42-5	Styrene	5.10		0.50	0.070
127-18-4	Tetrachloroethene	4.94		0.50	0.20
108-88-3	Toluene	4.87		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-119839-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-358849/4

Matrix: Water
Lab File ID: IM29X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/29/2023 20:27

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.: 358849
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	4.68		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.19		0.50	0.080
79-01-6	Trichloroethene	4.72		0.50	0.080
75-01-4	Vinyl chloride	4.66		0.50	0.10
1330-20-7	Xylenes, Total	14.9		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)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 29-Mar-2023 20:27:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0080205-004
Misc. Info.: LCS
Operator ID: mec29284 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2023 23:30:06 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: K4WN Date: 29-Mar-2023 20:57:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.892	1.898	-0.006	99	430408	5.00	5.07	
4 Chloromethane	50	2.087	2.087	0.000	99	438043	5.00	4.76	
5 Vinyl chloride	62	2.203	2.197	0.006	98	417954	5.00	4.66	
6 Butadiene	39	2.209	2.209	0.000	95	432774	5.00	5.27	
7 Bromomethane	94	2.526	2.526	0.000	93	343857	5.00	4.94	
8 Chloroethane	64	2.599	2.599	0.000	99	276162	5.00	5.06	
9 Dichlorofluoromethane	67	2.837	2.837	0.000	98	702900	5.00	4.81	
10 Trichlorofluoromethane	101	2.898	2.898	0.000	98	624374	5.00	4.31	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.221	3.215	0.006	89	388837	5.00	4.80	
14 Acrolein	56	3.306	3.300	0.006	86	249273	37.5	38.4	
15 1,1-Dichloroethene	96	3.434	3.434	0.000	98	287401	5.00	4.90	
16 Acetone	43	3.483	3.465	0.018	89	394324	62.5	50.2	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.477	3.477	0.000	93	319098	5.00	4.78	
18 Iodomethane	142	3.629	3.629	0.000	100	585422	5.00	4.60	
20 Carbon disulfide	76	3.733	3.733	0.000	100	745707	5.00	4.53	
23 Methyl acetate	43	3.885	3.873	0.012	97	110625	5.00	3.94	M
24 3-Chloro-1-propene	41	3.904	3.897	0.007	87	453474	5.00	4.59	
25 Methylene Chloride	84	4.080	4.074	0.006	92	309311	5.00	4.96	
* 26 t-Butyl alcohol-d10 (IS)	65	4.141	4.099	0.042	98	122462	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.251	4.233	0.018	99	124189	50.0	48.7	
28 Acrylonitrile	53	4.416	4.416	0.000	97	256872	25.0	26.9	
29 Methyl tert-butyl ether	73	4.477	4.477	0.000	90	744020	5.00	4.93	
30 trans-1,2-Dichloroethene	96	4.489	4.489	0.000	98	308732	5.00	4.68	
31 Hexane	57	4.916	4.916	0.000	95	420864	5.00	4.83	
32 1,1-Dichloroethane	63	5.147	5.147	0.000	96	568284	5.00	4.74	
35 Isopropyl ether	45	5.202	5.208	-0.006	93	942297	5.00	4.71	
36 2-Chloro-1,3-butadiene	53	5.263	5.257	0.006	93	481166	5.00	4.74	
37 Tert-butyl ethyl ether	59	5.739	5.745	-0.006	97	711053	5.00	5.13	
38 2-Butanone (MEK)	43	5.958	5.946	0.012	100	905809	62.5	62.5	
39 cis-1,2-Dichloroethene	96	5.982	5.982	0.000	83	361595	5.00	5.01	
40 2,2-Dichloropropane	77	6.001	6.001	0.000	90	544999	5.00	5.00	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 Propionitrile	54	6.068	6.043	0.025	96	131022	37.5	39.0	
45 Methacrylonitrile	67	6.251	6.245	0.007	91	601039	37.5	38.9	
46 Chlorobromomethane	128	6.312	6.312	0.000	90	170946	5.00	5.09	
47 Tetrahydrofuran	71	6.336	6.324	0.012	78	113303	25.0	25.5	
48 Chloroform	83	6.464	6.464	0.000	94	604750	5.00	4.91	
$ 49 Dibromofluoromethane (Surr)	113	6.677	6.677	0.000	94	615288	10.0	10.2	
50 1,1,1-Trichloroethane	97	6.696	6.690	0.006	98	574753	5.00	4.94	
51 Cyclohexane	56	6.787	6.787	0.000	92	519073	5.00	4.69	
53 1,1-Dichloropropene	75	6.909	6.903	0.006	92	450624	5.00	4.98	
54 Carbon tetrachloride	117	6.903	6.903	0.000	95	532396	5.00	4.95	
55 Isobutyl alcohol	41	7.092	7.074	0.018	91	102120	125.0	111.7	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.129	7.128	0.000	87	114894	10.0	10.0	
57 Benzene	78	7.165	7.159	0.006	98	1299122	5.00	4.92	
58 1,2-Dichloroethane	62	7.232	7.232	0.000	97	392581	5.00	4.85	
60 Tert-amyl methyl ether	73	7.354	7.354	0.000	97	573984	5.00	5.36	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	97	2277553	10.0	10.0	
62 n-Heptane	43	7.586	7.580	0.006	93	429182	5.00	4.72	
63 n-Butanol	56	7.988	7.958	0.030	90	165371	250.0	250.0	
64 Trichloroethene	95	8.049	8.049	0.000	96	351387	5.00	4.72	
65 Methylcyclohexane	83	8.360	8.354	0.006	90	582272	5.00	4.75	
66 1,2-Dichloropropane	63	8.378	8.378	0.000	93	330103	5.00	4.96	
67 Methyl methacrylate	69	8.470	8.464	0.006	88	161301	5.00	5.15	
68 1,4-Dioxane	88	8.500	8.482	0.018	28	33513	125.0	163.0	
69 Dibromomethane	93	8.494	8.488	0.006	91	179262	5.00	5.26	
71 Dichlorobromomethane	83	8.726	8.720	0.006	98	445118	5.00	5.05	
72 2-Nitropropane	41	8.988	8.988	0.000	100	54360	5.00	4.86	
75 1-Bromo-2-chloroethane	63	9.116	9.116	0.000	99	348270	5.00	5.55	
76 cis-1,3-Dichloropropene	75	9.281	9.274	0.007	94	505842	5.00	4.96	
77 4-Methyl-2-pentanone (MIBK)	43	9.451	9.451	0.000	98	2859344	62.5	66.6	
$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2300777	10.0	9.82	
79 Toluene	92	9.671	9.665	0.006	98	879264	5.00	4.87	
97 trans-1,3-Dichloropropene	75	9.933	9.927	0.006	95	455516	5.00	5.19	
99 Ethyl methacrylate	69	9.994	9.994	0.000	88	343184	5.00	5.04	
100 1,1,2-Trichloroethane	97	10.134	10.134	0.000	93	249738	5.00	5.06	
101 Tetrachloroethene	166	10.225	10.225	0.000	98	481016	5.00	4.94	
102 1,3-Dichloropropane	76	10.299	10.299	0.000	91	418156	5.00	5.14	
103 2-Hexanone	43	10.353	10.347	0.006	97	1993755	62.5	66.6	
105 Chlorodibromomethane	129	10.518	10.518	0.000	89	347190	5.00	5.10	
106 Ethylene Dibromide	107	10.628	10.628	0.000	99	250276	5.00	5.23	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	85	1819479	10.0	10.0	
108 1-Chlorohexane	91	11.067	11.067	0.000	97	477816	5.00	4.59	
109 Chlorobenzene	112	11.085	11.085	0.000	96	1016822	5.00	4.90	
111 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	94	395039	5.00	5.18	
112 Ethylbenzene	91	11.170	11.170	0.000	98	1717516	5.00	4.88	
113 m-Xylene & p-Xylene	106	11.292	11.286	0.006	93	1389822	10.0	9.92	
114 o-Xylene	106	11.622	11.615	0.007	97	683790	5.00	4.99	
115 Styrene	104	11.634	11.634	0.000	95	1082850	5.00	5.10	
116 Bromoform	173	11.792	11.792	0.000	97	224018	5.00	5.06	
117 Isopropylbenzene	105	11.920	11.920	0.000	96	1821715	5.00	5.07	
$ 120 4-Bromofluorobenzene (Surr)	95	12.067	12.067	0.000	95	842479	10.0	9.87	
121 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	95	318453	5.00	5.01	
122 Bromobenzene	156	12.182	12.176	0.006	92	468564	5.00	4.93	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 trans-1,4-Dichloro-2-butene	53	12.189	12.188	0.000	95	433873	25.0	25.7	
124 1,2,3-Trichloropropane	110	12.213	12.207	0.006	85	93133	5.00	5.18	
125 N-Propylbenzene	91	12.249	12.249	0.000	99	2035217	5.00	4.88	
126 2-Chlorotoluene	126	12.329	12.323	0.006	97	453226	5.00	5.04	
127 1,3,5-Trimethylbenzene	105	12.384	12.384	0.000	94	1516465	5.00	4.86	
128 4-Chlorotoluene	126	12.420	12.420	0.000	97	438408	5.00	4.88	
129 tert-Butylbenzene	134	12.627	12.627	0.000	93	375323	5.00	4.85	
130 Pentachloroethane	167	12.658	12.658	0.000	92	305352	5.00	5.09	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	1559806	5.00	4.86	
132 sec-Butylbenzene	105	12.792	12.792	0.000	94	1985733	5.00	5.00	
133 1,3-Dichlorobenzene	146	12.890	12.890	0.000	99	870011	5.00	4.88	
134 4-Isopropyltoluene	119	12.896	12.896	0.000	97	1759376	5.00	4.96	
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1153917	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	895222	5.00	5.13	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	686977	5.00	4.63	
138 Benzyl chloride	126	13.042	13.042	0.000	99	137611	5.00	5.49	
139 n-Butylbenzene	92	13.188	13.188	0.000	97	787903	5.00	5.06	
140 1,2-Dichlorobenzene	146	13.225	13.219	0.006	99	829066	5.00	4.89	
142 1,2-Dibromo-3-Chloropropane	155	13.761	13.767	-0.006	88	53984	5.00	5.17	
143 1,3,5-Trichlorobenzene	180	13.889	13.889	0.000	98	672695	5.00	4.98	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	574948	5.00	5.29	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	96	312648	5.00	5.01	
146 Naphthalene	128	14.493	14.493	0.000	97	1043804	5.00	5.16	
147 1,2,3-Trichlorobenzene	180	14.633	14.633	0.000	95	512340	5.00	5.19	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00102	Amount Added:	12.50	Units: uL	
MSV_LCS_Penta_00027	Amount Added:	12.50	Units: uL	
MSV_LCS_ACROL_00104	Amount Added:	12.50	Units: uL	
MSV_QC_Gas826_00132	Amount Added:	12.50	Units: uL	
MSV_LLcentISS_00006	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 30-Mar-2023 12:46:01 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X03.D

Injection Date: 29-Mar-2023 20:27:30 Instrument ID: 19930 Operator ID: mec29284

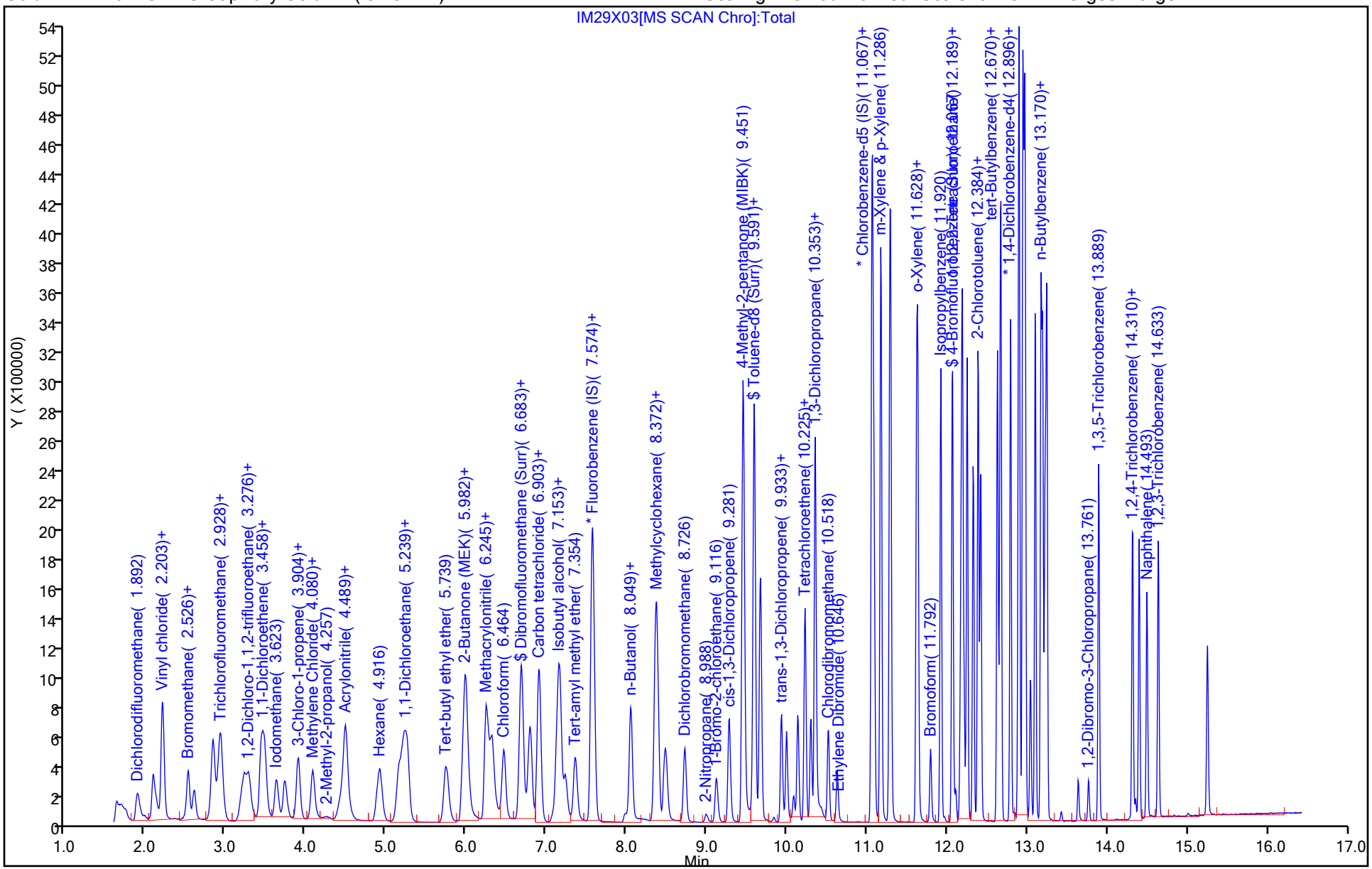
Lims ID: LCS Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 29-Mar-2023 20:27:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0080205-004
Misc. Info.: LCS
Operator ID: mec29284 Instrument ID: 19930

Method: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2023 23:30:06 Calib Date: 21-Mar-2023 06:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

First Level Reviewer: K4WN Date: 29-Mar-2023 20:57:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 49 Dibromofluoromethane (Surr)	10.0	10.2	101.97
$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.39
$ 78 Toluene-d8 (Surr)	10.0	9.82	98.23
$ 120 4-Bromofluorobenzene (Surr)	10.0	9.87	98.67

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

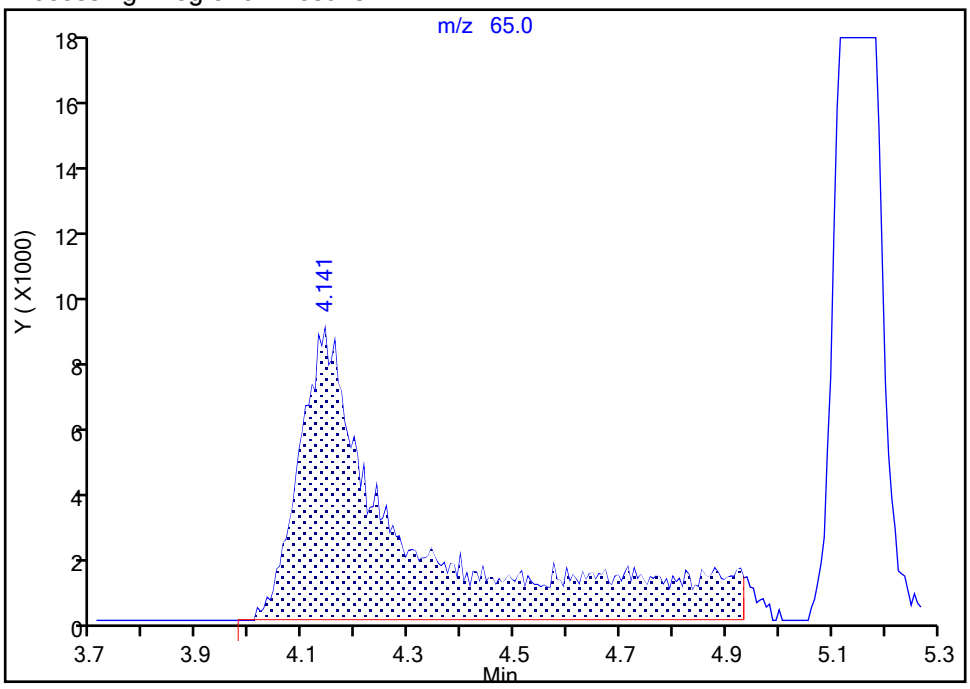
Data File: \\chromfs\Lancaster\ChromData\19930\20230329-80205.b\IM29X03.D
Injection Date: 29-Mar-2023 20:27:30 Instrument ID: 19930
Lims ID: LCS
Client ID:
Operator ID: mec29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

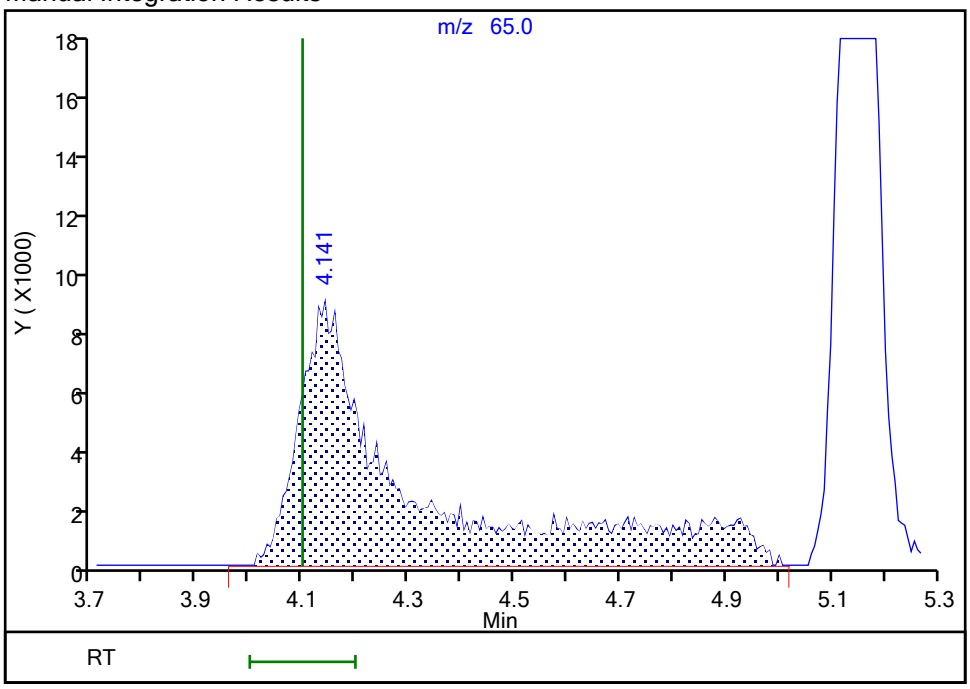
Processing Integration Results

RT: 4.14
Area: 120232
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 4.14
Area: 122462
Amount: 50.000000
Amount Units: ug/l



Reviewer: K4WN, 29-Mar-2023 20:57:19
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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MS MS
Lab Sample ID: 410-119839-6 MS

Matrix: Water
Lab File ID: HM27X16.D

Analysis Method: 8260D
Date Collected: 03/22/2023 12:45

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2023 00:16

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.: 357851
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.91		0.50	0.070
71-55-6	1,1,1-Trichloroethane	6.09		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.39		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.55		0.50	0.080
75-34-3	1,1-Dichloroethane	5.64		0.50	0.10
75-35-4	1,1-Dichloroethene	5.79		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.61		0.50	0.080
107-06-2	1,2-Dichloroethane	5.65		0.50	0.070
78-87-5	1,2-Dichloropropane	5.51		0.50	0.10
78-93-3	2-Butanone (MEK)	74.0		5.0	1.0
591-78-6	2-Hexanone	73.4		5.0	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	71.6		5.0	1.0
67-64-1	Acetone	64.6		5.0	1.0
71-43-2	Benzene	5.37		0.50	0.10
74-97-5	Bromochloromethane	5.52		0.50	0.080
75-27-4	Bromodichloromethane	5.54		0.50	0.080
75-25-2	Bromoform	5.63		1.0	0.30
74-83-9	Bromomethane	5.70		0.50	0.10
75-15-0	Carbon disulfide	6.37		1.0	0.10
56-23-5	Carbon tetrachloride	5.92		0.50	0.10
108-90-7	Chlorobenzene	5.80		0.50	0.070
75-00-3	Chloroethane	5.85		0.50	0.10
67-66-3	Chloroform	5.88		0.50	0.090
74-87-3	Chloromethane	7.28		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	7.00		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.88		0.50	0.10
124-48-1	Dibromochloromethane	5.87		0.50	0.080
100-41-4	Ethylbenzene	5.48		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.82		0.50	0.080
75-09-2	Methylene Chloride	5.45		0.50	0.10
100-42-5	Styrene	5.43		0.50	0.070
127-18-4	Tetrachloroethene	12.3		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.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MS MS
Lab Sample ID: 410-119839-6 MS

Matrix: Water
Lab File ID: HM27X16.D

Analysis Method: 8260D
Date Collected: 03/22/2023 12:45

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2023 00:16

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.: 357851
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.46		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.63		0.50	0.080
79-01-6	Trichloroethene	6.59		0.50	0.080
75-01-4	Vinyl chloride	6.69		0.50	0.10
1330-20-7	Xylenes, Total	17.2		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		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\20230327-79983.b\HM27X16.D
Lims ID: 410-119839-A-6 MS
Client ID: HD-COD-SW-15-0/1-0 MS
Sample Type: MS
Inject. Date: 28-Mar-2023 00:16:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-017
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Mar-2023 23:37:30 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1628

First Level Reviewer: innoonk Date: 28-Mar-2023 12:52:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.916	1.916	0.000	99	522204	5.00	7.30	
5 Chloromethane	50	2.117	2.111	0.006	99	652657	5.00	7.28	
6 Butadiene	39	2.233	2.227	0.006	91	541044	5.00	6.39	
7 Vinyl chloride	62	2.227	2.227	0.000	96	594620	5.00	6.69	
9 Bromomethane	94	2.556	2.556	0.000	91	355223	5.00	5.70	
10 Chloroethane	64	2.635	2.629	0.006	100	315388	5.00	5.85	
11 Dichlorofluoromethane	67	2.867	2.861	0.006	97	725854	5.00	6.08	
12 Trichlorofluoromethane	101	2.946	2.946	0.000	98	624776	5.00	5.81	
14 Ethyl ether	59	3.184	3.178	0.006	97	196087	4.99	4.36	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.270	3.263	0.007	94	473516	5.00	5.65	
16 Acrolein	56	3.355	3.349	0.006	95	175433	37.5	31.6	
18 1,1-Dichloroethene	96	3.495	3.489	0.006	97	351547	5.00	5.79	
19 Acetone	43	3.513	3.513	0.000	59	417365	62.6	64.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.532	3.526	0.006	91	366947	5.00	6.19	
21 Isopropyl alcohol	45	3.684	3.654	0.030	25	34349	37.5	22.8	
22 Iodomethane	142	3.690	3.678	0.012	98	588349	5.00	5.57	
23 Ethyl bromide	108	3.721	3.708	0.013	98	235297	4.93	4.41	
24 Carbon disulfide	76	3.794	3.788	0.006	99	1036832	5.00	6.37	
25 Methyl acetate	43	3.934	3.928	0.006	98	113694	5.00	6.65	
27 3-Chloro-1-propene	41	3.964	3.958	0.006	93	545772	5.00	5.18	
28 Methylene Chloride	84	4.147	4.135	0.012	94	342802	5.00	5.45	
* 29 t-Butyl alcohol-d10 (IS)	65	4.178	4.160	0.018	98	101048	50.0	50.0	
31 2-Methyl-2-propanol	59	4.257	4.275	-0.018	96	89850	50.0	41.1	
32 Acrylonitrile	53	4.470	4.464	0.006	97	246799	25.0	28.3	
33 Methyl tert-butyl ether	73	4.556	4.550	0.006	97	654283	5.00	4.82	
34 trans-1,2-Dichloroethene	96	4.562	4.562	0.000	98	368538	5.00	5.46	
35 Hexane	57	4.995	4.976	0.019	94	464903	5.00	4.92	
37 1,1-Dichloroethane	63	5.220	5.220	0.000	96	712164	5.00	5.64	
38 Isopropyl ether	45	5.287	5.275	0.012	95	1024230	5.00	4.77	
39 2-Chloro-1,3-butadiene	53	5.330	5.324	0.006	90	564865	5.00	5.48	
41 Tert-butyl ethyl ether	59	5.818	5.812	0.006	97	869656	5.00	4.58	
42 2-Butanone (MEK)	43	6.013	6.007	0.006	100	832627	62.6	74.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 cis-1,2-Dichloroethene	96	6.049	6.043	0.006	82	518645	5.00	7.00	
44 2,2-Dichloropropane	77	6.074	6.068	0.006	87	635170	5.00	6.01	
45 Propionitrile	54	6.104	6.092	0.012	50	122418	37.5	42.5	
48 Methacrylonitrile	67	6.318	6.312	0.006	92	526606	37.5	42.3	
49 Chlorobromomethane	128	6.379	6.379	0.000	96	163557	5.00	5.52	
50 Tetrahydrofuran	71	6.397	6.385	0.012	80	86073	25.0	26.8	
52 Chloroform	83	6.537	6.531	0.006	93	700003	5.00	5.88	
$ 53 Dibromofluoromethane (Surr)	113	6.744	6.744	0.000	94	606130	10.0	10.2	
54 1,1,1-Trichloroethane	97	6.769	6.763	0.006	99	674921	5.00	6.09	
55 Cyclohexane	56	6.879	6.866	0.013	91	643992	5.00	5.12	
56 1,1-Dichloropropene	75	6.976	6.970	0.006	97	545865	5.00	5.45	
57 Carbon tetrachloride	117	6.988	6.982	0.006	96	566749	5.00	5.92	
58 Isobutyl alcohol	41	7.129	7.116	0.012	93	93354	125.1	130.9	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.202	7.196	0.006	78	111985	10.0	10.4	
60 Benzene	78	7.238	7.232	0.006	97	1566379	5.00	5.37	
62 1,2-Dichloroethane	62	7.311	7.305	0.006	97	357715	5.00	5.65	
64 Tert-amyl methyl ether	73	7.433	7.433	0.000	98	767338	5.00	4.74	
* 65 Fluorobenzene (IS)	96	7.647	7.641	0.006	98	2336543	10.0	10.0	
66 n-Heptane	43	7.665	7.659	0.006	87	468664	5.00	4.53	
68 n-Butanol	56	8.012	8.000	0.012	94	133947	250.2	219.7	
69 Trichloroethene	95	8.128	8.122	0.006	98	506798	5.00	6.59	
70 Methylcyclohexane	83	8.445	8.439	0.006	93	650945	5.00	5.02	
71 1,2-Dichloropropane	63	8.458	8.457	0.001	94	403573	5.00	5.51	
72 2-ethoxy-2-methyl butane	87	8.470	8.470	0.000	92	507507	5.00	4.94	
74 Methyl methacrylate	69	8.543	8.537	0.006	91	126904	5.00	5.12	
73 1,4-Dioxane	88	8.567	8.555	0.012	29	12325	125.1	77.8	
75 Dibromomethane	93	8.567	8.567	0.000	96	167639	5.00	5.49	
77 Dichlorobromomethane	83	8.805	8.799	0.006	99	456836	5.00	5.54	
78 2-Nitropropane	41	9.067	9.061	0.006	99	34600	5.00	5.63	
80 1-Bromo-2-chloroethane	63	9.195	9.195	0.000	99	344488	5.00	5.11	
81 cis-1,3-Dichloropropene	75	9.354	9.354	0.000	96	504568	5.00	4.88	
83 4-Methyl-2-pentanone (MIBK)	43	9.524	9.524	0.000	97	2182015	62.6	71.6	
$ 84 Toluene-d8 (Surr)	98	9.665	9.665	0.000	93	2488090	10.0	10.4	
85 Toluene	92	9.744	9.738	0.006	98	988383	5.00	5.58	
86 trans-1,3-Dichloropropene	75	10.000	10.000	0.000	93	424739	5.00	5.63	
105 Ethyl methacrylate	69	10.061	10.061	0.000	89	268145	5.00	4.64	
106 1,1,2-Trichloroethane	97	10.207	10.201	0.006	91	232863	5.00	5.55	
107 Tetrachloroethene	166	10.293	10.292	0.001	98	1007324	5.00	12.3	
108 1,3-Dichloropropane	76	10.366	10.366	0.000	90	405427	5.00	5.60	
109 2-Hexanone	43	10.414	10.414	0.000	98	1485242	62.6	73.4	
111 Chlorodibromomethane	129	10.585	10.579	0.006	90	304846	5.00	5.87	
112 Ethylene Dibromide	107	10.695	10.695	0.000	98	215582	5.00	5.61	
* 113 Chlorobenzene-d5 (IS)	117	11.128	11.122	0.006	85	1949586	10.0	10.0	
114 1-Chlorohexane	91	11.134	11.134	0.000	98	544573	5.00	4.97	
115 Chlorobenzene	112	11.152	11.152	0.000	95	1095008	5.00	5.80	
116 1,1,1,2-Tetrachloroethane	131	11.231	11.231	0.000	96	382992	5.00	5.91	
118 Ethylbenzene	91	11.237	11.237	0.000	98	1897567	5.00	5.48	
119 m-Xylene & p-Xylene	106	11.353	11.353	0.000	99	1537297	10.0	11.7	
120 o-Xylene	106	11.683	11.676	0.006	96	697067	5.00	5.47	
121 Styrene	104	11.695	11.695	0.000	94	1123588	5.00	5.43	
122 Bromoform	173	11.853	11.853	0.000	97	168573	5.00	5.63	
123 Isopropylbenzene	105	11.981	11.981	0.000	96	1858532	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
$ 126 4-Bromofluorobenzene (Surr)	95	12.121	12.121	0.000	91	930025	10.0	9.61	
127 1,1,2,2-Tetrachloroethane	83	12.219	12.219	0.000	93	286717	5.00	5.39	
128 Bromobenzene	156	12.237	12.237	0.000	96	437312	5.00	5.49	
129 trans-1,4-Dichloro-2-butene	53	12.249	12.243	0.006	91	332459	25.0	31.6	
130 1,2,3-Trichloropropane	110	12.268	12.268	0.000	82	73140	5.00	5.47	
131 N-Propylbenzene	91	12.304	12.304	0.000	99	2331427	5.00	5.25	
132 2-Chlorotoluene	126	12.384	12.384	0.000	97	463902	5.00	5.43	
133 1,3,5-Trimethylbenzene	105	12.445	12.445	0.001	95	1563487	5.00	5.05	
134 4-Chlorotoluene	126	12.475	12.475	0.000	97	480232	5.00	5.59	
135 tert-Butylbenzene	134	12.682	12.682	0.000	93	338155	5.00	4.94	
136 Pentachloroethane	167	12.713	12.713	0.000	90	284578	5.00	5.91	
137 1,2,4-Trimethylbenzene	105	12.725	12.725	0.000	97	1611459	5.00	5.15	
138 sec-Butylbenzene	105	12.847	12.847	0.000	94	2054600	5.00	5.06	
139 1,3-Dichlorobenzene	146	12.944	12.944	0.000	98	884008	5.00	5.36	
140 4-Isopropyltoluene	119	12.951	12.951	0.001	97	1749365	5.00	5.03	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	94	1162921	10.0	10.0	
142 1,4-Dichlorobenzene	146	13.018	13.018	0.000	95	900739	5.00	5.50	
143 1,2,3-Trimethylbenzene	120	13.030	13.024	0.006	98	695945	5.00	5.22	
144 Benzyl chloride	126	13.091	13.091	0.000	98	119652	5.00	5.53	
145 p-Diethylbenzene	119	13.152	13.152	0.000	91	990855	5.00	4.93	
146 n-Butylbenzene	92	13.243	13.243	0.000	97	868529	5.00	4.95	
147 1,2-Dichlorobenzene	146	13.274	13.274	0.000	99	794983	5.00	5.44	
149 1,2-Dibromo-3-Chloropropane	155	13.816	13.816	0.000	87	33353	5.00	4.75	
150 1,3,5-Trichlorobenzene	180	13.938	13.938	0.000	97	600359	5.00	4.68	
151 1,2,4-Trichlorobenzene	180	14.359	14.359	0.000	94	465784	5.00	4.31	
152 Hexachlorobutadiene	225	14.444	14.444	0.000	96	195806	5.00	3.73	
153 Naphthalene	128	14.542	14.542	0.000	97	662213	5.00	3.80	
154 1,2,3-Trichlorobenzene	180	14.682	14.682	0.000	96	372097	5.00	4.06	
155 2-Methylnaphthalene	142	15.298	15.298	0.000	92	191792	5.00	1.83	
158 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

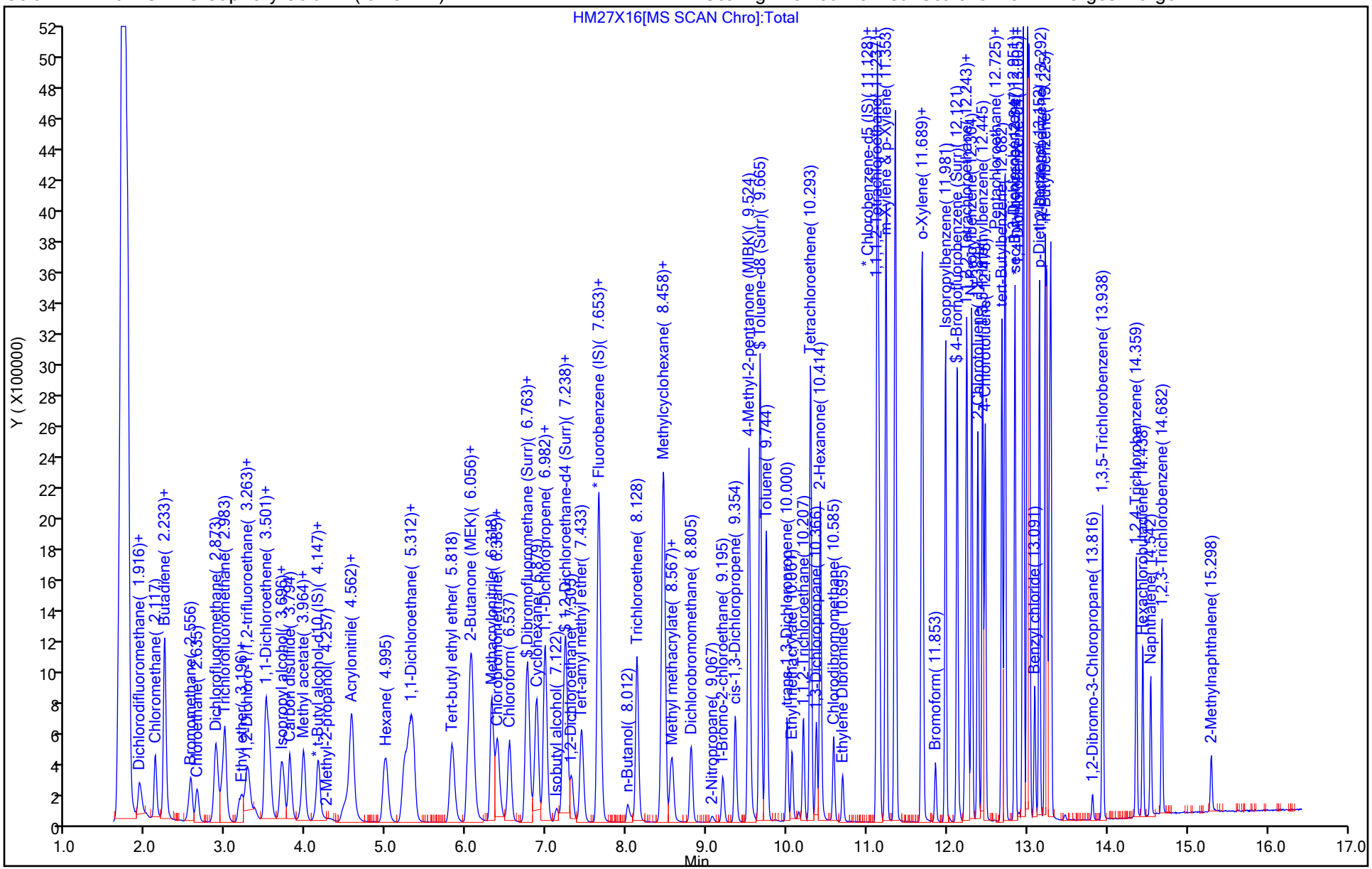
LCS_ETBR_00005	Amount Added:	5.38	Units: uL	
MSV_LCS_Penta_00027	Amount Added:	5.38	Units: uL	
MSV_LCS_EE_00004	Amount Added:	5.38	Units: uL	
MSV_LCS_ACROL_00104	Amount Added:	5.38	Units: uL	
MSV_LCS_VOC#1_00102	Amount Added:	5.38	Units: uL	
MSV_QC_Gas826_00132	Amount Added:	5.38	Units: uL	
MSV_HP25_ISSS_00066	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 28-Mar-2023 12:52:09 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X16.D				
Injection Date:	28-Mar-2023 00:16:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-119839-A-6 MS			Worklist Smp#:	17
Client ID:	HD-COD-SW-15-0/1-0 MS				
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



03/31/2023

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X16.D				
Lims ID:	410-119839-A-6 MS				
Client ID:	HD-COD-SW-15-0/1-0 MS				
Sample Type:	MS				
Inject. Date:	28-Mar-2023 00:16:30	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-017				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	27-Mar-2023 23:37:30	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1628				

First Level Reviewer: innoonk Date: 28-Mar-2023 12:52:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.2	102.49
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	103.77
$ 84 Toluene-d8 (Surr)	10.0	10.4	104.32
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.61	96.05

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MSD MSD
Lab Sample ID: 410-119839-6 MSD

Matrix: Water
Lab File ID: HM27X17.D

Analysis Method: 8260D
Date Collected: 03/22/2023 12:45

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2023 00:37

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.: 357851
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.81		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.86		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.28		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.41		0.50	0.080
75-34-3	1,1-Dichloroethane	5.53		0.50	0.10
75-35-4	1,1-Dichloroethene	5.71		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.56		0.50	0.080
107-06-2	1,2-Dichloroethane	5.64		0.50	0.070
78-87-5	1,2-Dichloropropane	5.32		0.50	0.10
78-93-3	2-Butanone (MEK)	67.1		5.0	1.0
591-78-6	2-Hexanone	66.2		5.0	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	64.5		5.0	1.0
67-64-1	Acetone	60.8		5.0	1.0
71-43-2	Benzene	5.24		0.50	0.10
74-97-5	Bromochloromethane	5.47		0.50	0.080
75-27-4	Bromodichloromethane	5.42		0.50	0.080
75-25-2	Bromoform	5.66		1.0	0.30
74-83-9	Bromomethane	5.54		0.50	0.10
75-15-0	Carbon disulfide	6.18		1.0	0.10
56-23-5	Carbon tetrachloride	5.79		0.50	0.10
108-90-7	Chlorobenzene	5.78		0.50	0.070
75-00-3	Chloroethane	5.73		0.50	0.10
67-66-3	Chloroform	5.77		0.50	0.090
74-87-3	Chloromethane	7.09		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	6.75		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.84		0.50	0.10
124-48-1	Dibromochloromethane	5.83		0.50	0.080
100-41-4	Ethylbenzene	5.48		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.87		0.50	0.080
75-09-2	Methylene Chloride	5.42		0.50	0.10
100-42-5	Styrene	5.35		0.50	0.070
127-18-4	Tetrachloroethene	12.0		0.50	0.20
108-88-3	Toluene	5.52		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-119839-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MSD MSD
Lab Sample ID: 410-119839-6 MSD

Matrix: Water
Lab File ID: HM27X17.D

Analysis Method: 8260D
Date Collected: 03/22/2023 12:45

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2023 00:37

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.: 357851
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.31		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.60		0.50	0.080
79-01-6	Trichloroethene	6.44		0.50	0.080
75-01-4	Vinyl chloride	6.52		0.50	0.10
1330-20-7	Xylenes, Total	16.8		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)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X17.D
Lims ID: 410-119839-A-6 MSD
Client ID: HD-COD-SW-15-0/1-0 MSD
Sample Type: MSD
Inject. Date: 28-Mar-2023 00:37:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0079983-018
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2023 12:52:54 Calib Date: 11-Jul-2022 18:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1628

First Level Reviewer: innoonk Date: 28-Mar-2023 12:52:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.922	1.916	0.006	99	531157	5.00	7.06	
5 Chloromethane	50	2.117	2.111	0.006	99	668546	5.00	7.09	
6 Butadiene	39	2.233	2.227	0.006	94	571398	5.00	6.42	
7 Vinyl chloride	62	2.233	2.227	0.006	95	609238	5.00	6.52	
9 Bromomethane	94	2.562	2.556	0.006	90	363206	5.00	5.54	
10 Chloroethane	64	2.635	2.629	0.006	100	324455	5.00	5.73	
11 Dichlorofluoromethane	67	2.873	2.861	0.012	97	740677	5.00	5.90	
12 Trichlorofluoromethane	101	2.958	2.946	0.012	98	633606	5.00	5.60	
14 Ethyl ether	59	3.184	3.178	0.006	94	209364	4.99	4.43	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.269	3.263	0.006	93	494183	5.00	5.61	
16 Acrolein	56	3.361	3.349	0.012	98	194774	37.5	30.3	
18 1,1-Dichloroethene	96	3.495	3.489	0.006	98	364688	5.00	5.71	
19 Acetone	43	3.532	3.513	0.019	99	455100	62.6	60.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.532	3.526	0.006	93	378711	5.00	6.08	
21 Isopropyl alcohol	45	3.660	3.654	0.006	25	38991	37.5	24.5	
22 Iodomethane	142	3.690	3.678	0.012	98	611064	5.00	5.50	
23 Ethyl bromide	108	3.721	3.708	0.013	99	243110	4.93	4.33	
24 Carbon disulfide	76	3.800	3.788	0.012	99	1056117	5.00	6.18	
25 Methyl acetate	43	3.940	3.928	0.012	98	115751	5.00	5.85	
27 3-Chloro-1-propene	41	3.970	3.958	0.012	93	583151	5.00	5.26	
28 Methylene Chloride	84	4.147	4.135	0.012	94	358569	5.00	5.42	
* 29 t-Butyl alcohol-d10 (IS)	65	4.159	4.160	-0.001	98	116952	50.0	50.0	
31 2-Methyl-2-propanol	59	4.287	4.275	0.012	95	115214	50.0	45.5	
32 Acrylonitrile	53	4.483	4.464	0.019	99	281423	25.0	27.9	
33 Methyl tert-butyl ether	73	4.556	4.550	0.006	96	695290	5.00	4.87	
34 trans-1,2-Dichloroethene	96	4.574	4.562	0.012	98	377155	5.00	5.31	
35 Hexane	57	4.989	4.976	0.013	93	505573	5.00	5.09	
37 1,1-Dichloroethane	63	5.226	5.220	0.006	96	734254	5.00	5.53	
38 Isopropyl ether	45	5.287	5.275	0.012	94	1069198	5.00	4.74	
39 2-Chloro-1,3-butadiene	53	5.336	5.324	0.012	91	582729	5.00	5.38	
41 Tert-butyl ethyl ether	59	5.824	5.812	0.012	97	916867	5.00	4.59	
42 2-Butanone (MEK)	43	6.013	6.007	0.006	100	872731	62.6	67.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 cis-1,2-Dichloroethene	96	6.055	6.043	0.012	82	526118	5.00	6.75	
44 2,2-Dichloropropane	77	6.074	6.068	0.006	86	660308	5.00	5.94	
45 Propionitrile	54	6.104	6.092	0.012	97	128124	37.5	38.4	
48 Methacrylonitrile	67	6.318	6.312	0.006	92	564148	37.5	39.1	
49 Chlorobromomethane	128	6.391	6.379	0.012	96	170276	5.00	5.47	
50 Tetrahydrofuran	71	6.397	6.385	0.012	78	95680	25.0	25.7	
52 Chloroform	83	6.537	6.531	0.006	93	722568	5.00	5.77	
$ 53 Dibromofluoromethane (Surr)	113	6.750	6.744	0.006	94	629563	10.0	10.1	
54 1,1,1-Trichloroethane	97	6.775	6.763	0.012	99	683172	5.00	5.86	
55 Cyclohexane	56	6.878	6.866	0.012	91	667190	5.00	5.05	
56 1,1-Dichloropropene	75	6.982	6.970	0.012	96	569907	5.00	5.41	
57 Carbon tetrachloride	117	6.988	6.982	0.006	97	582810	5.00	5.79	
58 Isobutyl alcohol	41	7.116	7.116	0.000	94	107704	125.1	130.5	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.202	7.196	0.006	78	121220	10.0	10.7	
60 Benzene	78	7.238	7.232	0.006	97	1607562	5.00	5.24	
62 1,2-Dichloroethane	62	7.311	7.305	0.006	98	375440	5.00	5.64	
64 Tert-amyl methyl ether	73	7.439	7.433	0.006	98	802411	5.00	4.72	
* 65 Fluorobenzene (IS)	96	7.647	7.641	0.006	98	2456524	10.0	10.0	
66 n-Heptane	43	7.665	7.659	0.006	93	494490	5.00	4.55	
68 n-Butanol	56	8.018	8.000	0.018	90	151266	250.2	214.4	
69 Trichloroethene	95	8.128	8.122	0.006	98	520526	5.00	6.44	
70 Methylcyclohexane	83	8.445	8.439	0.006	93	664143	5.00	4.87	
71 1,2-Dichloropropane	63	8.457	8.457	0.000	96	409877	5.00	5.32	
72 2-ethoxy-2-methyl butane	87	8.470	8.470	0.000	93	533059	5.00	4.94	
74 Methyl methacrylate	69	8.549	8.537	0.012	90	134905	5.00	4.70	
73 1,4-Dioxane	88	8.573	8.555	0.018	29	15739	125.1	85.9	M
75 Dibromomethane	93	8.573	8.567	0.006	95	168743	5.00	5.26	
77 Dichlorobromomethane	83	8.805	8.799	0.006	99	470354	5.00	5.42	
78 2-Nitropropane	41	9.073	9.061	0.012	98	38448	5.00	5.40	
80 1-Bromo-2-chloroethane	63	9.201	9.195	0.006	99	362959	5.00	5.12	
81 cis-1,3-Dichloropropene	75	9.354	9.354	0.000	96	526794	5.00	4.84	
83 4-Methyl-2-pentanone (MIBK)	43	9.524	9.524	0.000	97	2276040	62.6	64.5	
$ 84 Toluene-d8 (Surr)	98	9.664	9.665	-0.001	93	2577067	10.0	10.3	
85 Toluene	92	9.744	9.738	0.006	98	1021241	5.00	5.52	
86 trans-1,3-Dichloropropene	75	10.000	10.000	0.000	93	441736	5.00	5.60	
105 Ethyl methacrylate	69	10.061	10.061	0.000	89	284081	5.00	4.70	
106 1,1,2-Trichloroethane	97	10.207	10.201	0.006	91	237302	5.00	5.41	
107 Tetrachloroethene	166	10.292	10.292	0.000	98	1023776	5.00	12.0	
108 1,3-Dichloropropane	76	10.366	10.366	0.000	90	420211	5.00	5.56	
109 2-Hexanone	43	10.414	10.414	0.000	98	1549582	62.6	66.2	
111 Chlorodibromomethane	129	10.585	10.579	0.006	89	316116	5.00	5.83	
112 Ethylene Dibromide	107	10.695	10.695	0.000	98	223500	5.00	5.56	
* 113 Chlorobenzene-d5 (IS)	117	11.128	11.122	0.006	85	2036430	10.0	10.0	
114 1-Chlorohexane	91	11.134	11.134	0.000	98	581444	5.00	5.08	
115 Chlorobenzene	112	11.152	11.152	0.000	95	1139731	5.00	5.78	
116 1,1,1,2-Tetrachloroethane	131	11.231	11.231	0.000	96	393384	5.00	5.81	
118 Ethylbenzene	91	11.237	11.237	0.000	98	1979929	5.00	5.48	
119 m-Xylene & p-Xylene	106	11.353	11.353	0.000	99	1565983	10.0	11.4	
120 o-Xylene	106	11.682	11.676	0.006	96	720532	5.00	5.41	
121 Styrene	104	11.695	11.695	0.000	94	1156231	5.00	5.35	
122 Bromoform	173	11.853	11.853	0.000	97	176914	5.00	5.66	
123 Isopropylbenzene	105	11.981	11.981	0.000	96	1924969	5.00	5.34	

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	12.121	12.121	0.000	93	958975	10.0	9.48	
127 1,1,2,2-Tetrachloroethane	83	12.219	12.219	0.000	93	291559	5.00	5.28	
128 Bromobenzene	156	12.237	12.237	0.000	96	449802	5.00	5.44	
129 trans-1,4-Dichloro-2-butene	53	12.249	12.243	0.006	94	340684	25.0	27.9	
130 1,2,3-Trichloropropane	110	12.268	12.268	0.000	82	72100	5.00	5.20	
131 N-Propylbenzene	91	12.304	12.304	0.000	99	2410906	5.00	5.23	
132 2-Chlorotoluene	126	12.383	12.384	-0.001	97	479101	5.00	5.40	
133 1,3,5-Trimethylbenzene	105	12.444	12.445	0.000	94	1619570	5.00	5.04	
134 4-Chlorotoluene	126	12.475	12.475	0.000	97	496224	5.00	5.57	
135 tert-Butylbenzene	134	12.682	12.682	0.000	93	351936	5.00	4.95	
136 Pentachloroethane	167	12.713	12.713	0.000	91	265928	5.00	5.33	
137 1,2,4-Trimethylbenzene	105	12.725	12.725	0.000	97	1650848	5.00	5.09	
138 sec-Butylbenzene	105	12.847	12.847	0.000	94	2098739	5.00	4.99	
139 1,3-Dichlorobenzene	146	12.944	12.944	0.000	98	913906	5.00	5.34	
140 4-Isopropyltoluene	119	12.950	12.951	0.000	97	1813768	5.00	5.03	
* 141 1,4-Dichlorobenzene-d4	152	12.999	12.999	0.000	94	1206599	10.0	10.0	
142 1,4-Dichlorobenzene	146	13.017	13.018	-0.001	95	928267	5.00	5.46	
143 1,2,3-Trimethylbenzene	120	13.024	13.024	0.000	98	711628	5.00	5.15	
144 Benzyl chloride	126	13.091	13.091	0.000	98	120347	5.00	5.36	
145 p-Diethylbenzene	119	13.152	13.152	0.000	91	1022035	5.00	4.90	
146 n-Butylbenzene	92	13.243	13.243	0.000	97	883976	5.00	4.85	
147 1,2-Dichlorobenzene	146	13.274	13.274	0.000	99	811246	5.00	5.35	
149 1,2-Dibromo-3-Chloropropane	155	13.816	13.816	0.000	85	36662	5.00	5.03	
150 1,3,5-Trichlorobenzene	180	13.944	13.938	0.006	98	622712	5.00	4.68	
151 1,2,4-Trichlorobenzene	180	14.359	14.359	0.000	93	490980	5.00	4.38	
152 Hexachlorobutadiene	225	14.444	14.444	0.000	96	199558	5.00	3.67	
153 Naphthalene	128	14.542	14.542	0.000	97	714504	5.00	3.95	
154 1,2,3-Trichlorobenzene	180	14.682	14.682	0.000	96	409429	5.00	4.30	
155 2-Methylnaphthalene	142	15.298	15.298	0.000	92	246878	5.00	2.27	
158 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

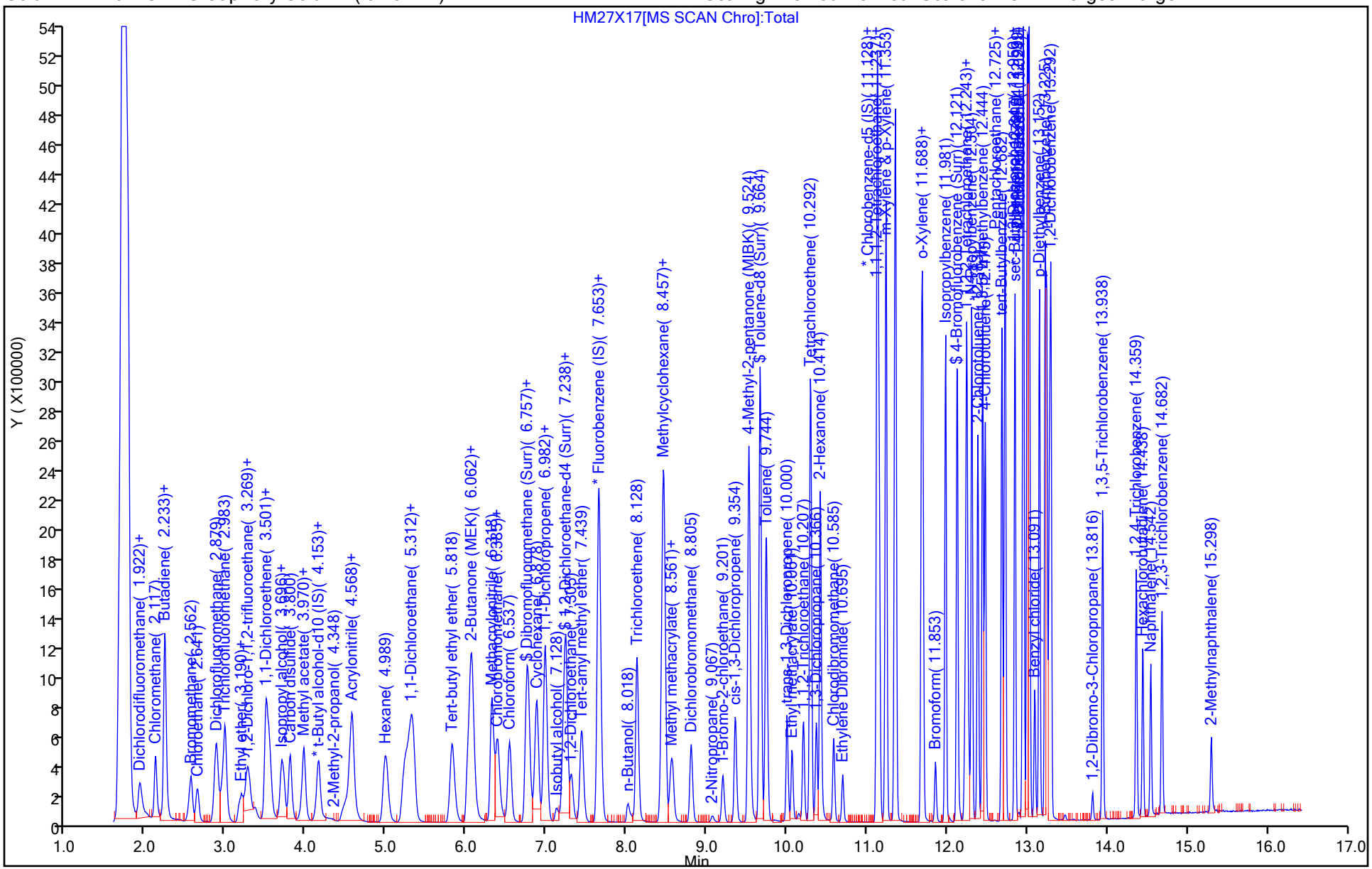
LCS_ETBR_00005	Amount Added:	5.38	Units: uL	
MSV_LCS_Penta_00027	Amount Added:	5.38	Units: uL	
MSV_LCS_EE_00004	Amount Added:	5.38	Units: uL	
MSV_LCS_ACROL_00104	Amount Added:	5.38	Units: uL	
MSV_LCS_VOC#1_00102	Amount Added:	5.38	Units: uL	
MSV_QC_Gas826_00132	Amount Added:	5.38	Units: uL	
MSV_HP25_ISSS_00066	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 28-Mar-2023 12:53:21 Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X17.D				
Injection Date:	28-Mar-2023 00:37:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	410-119839-A-6 MSD			Worklist Smp#:	18
Client ID:	HD-COD-SW-15-0/1-0 MSD				
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



03/31/2023

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\HM27X17.D				
Lims ID:	410-119839-A-6 MSD				
Client ID:	HD-COD-SW-15-0/1-0 MSD				
Sample Type:	MSD				
Inject. Date:	28-Mar-2023 00:37:30	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0079983-018				
Operator ID:	gaw91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20230327-79983.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	28-Mar-2023 12:52:54	Calib Date:	11-Jul-2022 18:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20220711-61489.b\Copy_HL11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1628				

First Level Reviewer: innoonk Date: 28-Mar-2023 12:52:54

Compound	Amount Added	Amount Recovered	% Rec.
$ 53 Dibromofluoromethane (Surr)	10.0	10.1	101.25
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	106.84
$ 84 Toluene-d8 (Surr)	10.0	10.3	103.44
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.48	94.82

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Instrument ID: 19094 Start Date: 07/11/2022 13:17

Analysis Batch Number: 274149 End Date: 07/11/2022 20:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-274149/1		07/11/2022 13:17	1	HL11T03.D	R-624SilMS 30m 0.25(mm)
IC 410-274149/3		07/11/2022 13:50	1		R-624SilMS 30m 0.25(mm)
IC 410-274149/4		07/11/2022 14:10	1		R-624SilMS 30m 0.25(mm)
CCV 410-274149/1004		07/11/2022 14:10	1		R-624SilMS 30m 0.25(mm)
IC 410-274149/5		07/11/2022 14:30	1		R-624SilMS 30m 0.25(mm)
IC 410-274149/6		07/11/2022 14:50	1		R-624SilMS 30m 0.25(mm)
IC 410-274149/7		07/11/2022 15:10	1		R-624SilMS 30m 0.25(mm)
IC 410-274149/8		07/11/2022 15:30	1		R-624SilMS 30m 0.25(mm)
IC 410-274149/9		07/11/2022 15:51	1		R-624SilMS 30m 0.25(mm)
ICV 410-274149/10		07/11/2022 16:11	1		R-624SilMS 30m 0.25(mm)
IC 410-274149/12		07/11/2022 16:51	1	HL11X12.D	R-624SilMS 30m 0.25(mm)
ICIS 410-274149/13		07/11/2022 17:11	1	HL11X13.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-274149/1013		07/11/2022 17:11	1		R-624SilMS 30m 0.25(mm)
IC 410-274149/14		07/11/2022 17:31	1	HL11X14.D	R-624SilMS 30m 0.25(mm)
IC 410-274149/15		07/11/2022 17:51	1	HL11X15.D	R-624SilMS 30m 0.25(mm)
IC 410-274149/16		07/11/2022 18:11	1	HL11X16.D	R-624SilMS 30m 0.25(mm)
IC 410-274149/17		07/11/2022 18:32	1	HL11X17.D	R-624SilMS 30m 0.25(mm)
IC 410-274149/18		07/11/2022 18:52	1	Copy_HL11X18.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		07/11/2022 19:52	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		07/11/2022 20:12	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		07/11/2022 20:32	1		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Instrument ID: 19094 Start Date: 07/14/2022 19:09

Analysis Batch Number: 275687 End Date: 07/14/2022 20:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-275687/1		07/14/2022 19:09	1	copy_HL14T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-275687/3		07/14/2022 19:44	1		R-624SilMS 30m 0.25(mm)
ICV 410-275687/4		07/14/2022 20:04	1	copy_HL14X03.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		07/14/2022 20:04	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		07/14/2022 20:24	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		07/14/2022 20:44	1		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Instrument ID: 19930 Start Date: 03/21/2023 00:26

Analysis Batch Number: 355532 End Date: 03/21/2023 06:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-355532/1		03/21/2023 00:26	1	IM21T01.D	R-624SilMS 30m 0.25(mm)
IC 410-355532/3		03/21/2023 01:00	1	IM21X02.D	R-624SilMS 30m 0.25(mm)
IC 410-355532/4		03/21/2023 01:20	1	IM21X03.D	R-624SilMS 30m 0.25(mm)
IC 410-355532/5		03/21/2023 01:40	1	IM21X04.D	R-624SilMS 30m 0.25(mm)
IC 410-355532/6		03/21/2023 02:00	1	IM21X05.D	R-624SilMS 30m 0.25(mm)
IC 410-355532/7		03/21/2023 02:20	1	IM21X06.D	R-624SilMS 30m 0.25(mm)
IC 410-355532/8		03/21/2023 02:41	1	IM21X07.D	R-624SilMS 30m 0.25(mm)
IC 410-355532/9		03/21/2023 03:01	1	IM21X08.D	R-624SilMS 30m 0.25(mm)
ICV 410-355532/10		03/21/2023 03:21	1		R-624SilMS 30m 0.25(mm)
IC 410-355532/12		03/21/2023 04:01	1	IM21X11.D	R-624SilMS 30m 0.25(mm)
ICIS 410-355532/13		03/21/2023 04:22	1	IM21X12.D	R-624SilMS 30m 0.25(mm)
IC 410-355532/14		03/21/2023 04:42	1	IM21X13.D	R-624SilMS 30m 0.25(mm)
IC 410-355532/15		03/21/2023 05:02	1	IM21X14.D	R-624SilMS 30m 0.25(mm)
IC 410-355532/16		03/21/2023 05:22	1	IM21X15.D	R-624SilMS 30m 0.25(mm)
IC 410-355532/17		03/21/2023 05:42	1	IM21X16.D	R-624SilMS 30m 0.25(mm)
IC 410-355532/18		03/21/2023 06:02	1	IM21X17.D	R-624SilMS 30m 0.25(mm)
ICV 410-355532/19		03/21/2023 06:23	1	IM21X18.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Instrument ID: 19094 Start Date: 03/27/2023 18:49

Analysis Batch Number: 357851 End Date: 03/28/2023 05:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-357851/1		03/27/2023 18:49	1	HM27T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-357851/3		03/27/2023 19:24	1	HM27X02.D	R-624SilMS 30m 0.25(mm)
LCS 410-357851/4		03/27/2023 19:45	1	HM27X03.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2023 20:05	1		R-624SilMS 30m 0.25(mm)
MB 410-357851/6		03/27/2023 20:26	1	HM27X05.D	R-624SilMS 30m 0.25(mm)
410-119839-14	GD-QC1-0/1-2	03/27/2023 20:47	1	HM27X06.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2023 21:07	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2023 21:28	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2023 21:52	1		R-624SilMS 30m 0.25(mm)
410-119839-1	HD-COD-SW-6-0/1-0	03/27/2023 22:12	1	HM27X10.D	R-624SilMS 30m 0.25(mm)
410-119839-2	HD-COD-SW-7-0/1-0	03/27/2023 22:33	1	HM27X11.D	R-624SilMS 30m 0.25(mm)
410-119839-3	HD-COD-SW-8-0/1-0	03/27/2023 22:54	1	HM27X12.D	R-624SilMS 30m 0.25(mm)
410-119839-4	HD-COD-SW-9-0/1-0	03/27/2023 23:14	1	HM27X13.D	R-624SilMS 30m 0.25(mm)
410-119839-5	HD-COD-SW-13-0/1-0	03/27/2023 23:35	1	HM27X14.D	R-624SilMS 30m 0.25(mm)
410-119839-6	HD-COD-SW-15-0/1-0	03/27/2023 23:55	1	HM27X15.D	R-624SilMS 30m 0.25(mm)
410-119839-6 MS	HD-COD-SW-15-0/1-0 MS MS	03/28/2023 00:16	1	HM27X16.D	R-624SilMS 30m 0.25(mm)
410-119839-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	03/28/2023 00:37	1	HM27X17.D	R-624SilMS 30m 0.25(mm)
410-119839-7	HD-COD-SW-16-0/1-0	03/28/2023 01:18	1	HM27X19.D	R-624SilMS 30m 0.25(mm)
410-119839-8	HD-COD-SW-17-0/1-0	03/28/2023 01:39	1	HM27X20.D	R-624SilMS 30m 0.25(mm)
410-119839-9	HD-COD-SW-26-0/1-0	03/28/2023 01:59	1	HM27X21.D	R-624SilMS 30m 0.25(mm)
410-119839-10	HD-COD-SW-27-0/1-0	03/28/2023 02:20	1	HM27X22.D	R-624SilMS 30m 0.25(mm)
410-119839-11	HD-COD-SW-28-0/1-0	03/28/2023 02:41	1	HM27X23.D	R-624SilMS 30m 0.25(mm)
410-119839-12	HD-COD-SW-29-0/1-0	03/28/2023 03:01	1	HM27X24.D	R-624SilMS 30m 0.25(mm)
410-119839-13	GD-QC1-0/1-1	03/28/2023 03:22	1	HM27X25.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2023 03:43	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2023 04:03	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2023 04:24	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2023 04:45	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2023 05:05	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2023 05:26	10		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-119839-1

SDG No.:

Instrument ID: 19930 Start Date: 03/29/2023 19:34

Analysis Batch Number: 358849 End Date: 03/30/2023 05:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-358849/1		03/29/2023 19:34	1	IM29T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-358849/3		03/29/2023 20:06	1	IM29X02.D	R-624SilMS 30m 0.25(mm)
LCS 410-358849/4		03/29/2023 20:27	1	IM29X03.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2023 20:47	1		R-624SilMS 30m 0.25(mm)
MB 410-358849/6		03/29/2023 21:07	1	IM29X05.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2023 21:27	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2023 21:47	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2023 22:08	200		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2023 22:28	200		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2023 22:48	200		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2023 23:08	2000		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2023 23:28	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2023 23:49	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/30/2023 00:09	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/30/2023 00:29	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/30/2023 00:49	1		R-624SilMS 30m 0.25(mm)
410-119839-8 DL	HD-COD-SW-17-0/1-0 DL	03/30/2023 01:09	10	IM29X17.D	R-624SilMS 30m 0.25(mm)
410-119839-13 DL	GD-QC1-0/1-1 DL	03/30/2023 01:30	10	IM29X18.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/30/2023 01:50	100		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/30/2023 02:10	1000		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/30/2023 02:30	200		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/30/2023 02:50	2000		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/30/2023 03:11	200		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/30/2023 03:31	2000		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/30/2023 03:51	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/30/2023 04:11	100		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/30/2023 04:31	50		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/30/2023 04:52	500		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/30/2023 05:12	100		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/30/2023 05:32	1000		R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-119839-1

SDG No.:

Batch Number: 274149 Batch Start Date: 07/11/22 13:17 Batch Analyst: Sposito, Kevin A

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_LL_#1_826 00049	MSV_LL_#2_826 00053	MSV_LL_GAS826 00101
BFB 410-274149/1		8260D		1 uL	1 uL				
IC 410-274149/12		8260D		25 mL	25 mL	2646	25 uL	25 uL	25 uL
ICIS 410-274149/13		8260D		25 mL	25 mL	2646	10 uL	10 uL	10 uL
IC 410-274149/14		8260D		25 mL	25 mL	2646	5 uL	5 uL	5 uL
IC 410-274149/15		8260D		25 mL	25 mL	2646	2 uL	2 uL	2 uL
IC 410-274149/16		8260D		25 mL	25 mL	2646	2 uL	2 uL	2 uL
IC 410-274149/17		8260D		25 mL	25 mL	2646	2 uL	2 uL	2 uL
IC 410-274149/18		8260D		25 mL	25 mL	2646	2 uL	2 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LLcentISS 00005	MSV_V_BFB 00008				
BFB 410-274149/1		8260D			1 uL				
IC 410-274149/12		8260D		5 uL					
ICIS 410-274149/13		8260D		5 uL					
IC 410-274149/14		8260D		5 uL					
IC 410-274149/15		8260D		5 uL					
IC 410-274149/16		8260D		5 uL					
IC 410-274149/17		8260D		5 uL					
IC 410-274149/18		8260D		5 uL					

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-119839-1

SDG No.:

Batch Number: 274149 | Batch Start Date: 07/11/22 13:17 | Batch Analyst: Sposito, Kevin A

Batch Method: 8260D | Batch End Date:

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.: 410-119839-1

SDG No.:

Batch Number: 275687 | Batch Start Date: 07/14/22 19:09 | Batch Analyst: Campbell, Miranda E

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00003	MSV_LCS_ACROL 00066	MSV_LCS_EE 00003
BFB 410-275687/1		8260D		1 uL	1 uL				
ICV 410-275687/4		8260D		25 mL	25 mL	2646	12.5 uL	12.5 uL	12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_Penta 00017	MSV_LCS_VOC#1 00063	MSV_LLcentISS 00005	MSV_QC_Gas826 00089	MSV_V_BFB 00008	
BFB 410-275687/1		8260D						1 uL	
ICV 410-275687/4		8260D		12.5 uL	12.5 uL	5 uL	12.5 uL		

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-119839-1

SDG No.:

Batch Number: 355532 | Batch Start Date: 03/21/23 00:26 | Batch Analyst: Campbell, Miranda E

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00005	MSV_CCV_CYC 00005	MSV_CCV_V5ACE 00022
BFB 410-355532/1		8260D		1 uL	1 uL				
IC 410-355532/3		8260D		25 mL	25 mL	2680		20 uL	2.5 uL
IC 410-355532/4		8260D		25 mL	25 mL	2680		8 uL	1 uL
IC 410-355532/5		8260D		25 mL	25 mL	2680		8 uL	1 uL
IC 410-355532/6		8260D		25 mL	25 mL	2680		8 uL	1 uL
IC 410-355532/7		8260D		25 mL	25 mL	2680		8 uL	1 uL
IC 410-355532/8		8260D		25 mL	25 mL	2680		4 uL	0.5 uL
IC 410-355532/9		8260D		25 mL	25 mL	2680		1.6 uL	0.2 uL
IC 410-355532/12		8260D		25 mL	25 mL	2680			
ICIS 410-355532/13		8260D		25 mL	25 mL	2680			
IC 410-355532/14		8260D		25 mL	25 mL	2680			
IC 410-355532/15		8260D		25 mL	25 mL	2680			
IC 410-355532/16		8260D		25 mL	25 mL	2680			
IC 410-355532/17		8260D		25 mL	25 mL	2680			
IC 410-355532/18		8260D		25 mL	25 mL	2680			
ICV 410-355532/19		8260D		25 mL	25 mL	2680	12.5 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_DME 00045	MSV_LCS_ACROL 00103	MSV_LCS_EE 00004	MSV_LCS_Penta 00026	MSV_LCS_VOC#1 00101	MSV_LL_#1_826 00068
BFB 410-355532/1		8260D							
IC 410-355532/3		8260D		2.5 uL					
IC 410-355532/4		8260D		1 uL					
IC 410-355532/5		8260D		1 uL					
IC 410-355532/6		8260D		1 uL					
IC 410-355532/7		8260D		1 uL					
IC 410-355532/8		8260D		0.5 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.: 410-119839-1

SDG No.:

Batch Number: 355532 | Batch Start Date: 03/21/23 00:26 | Batch Analyst: Campbell, Miranda E

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_DME 00045	MSV_LCS_ACROL 00103	MSV_LCS_EE 00004	MSV_LCS_Penta 00026	MSV_LCS_VOC#1 00101	MSV_LL_#1_826 00068
IC 410-355532/9		8260D		0.2 uL					
IC 410-355532/12		8260D							25 uL
ICIS 410-355532/13		8260D							10 uL
IC 410-355532/14		8260D							5 uL
IC 410-355532/15		8260D							2 uL
IC 410-355532/16		8260D							2 uL
IC 410-355532/17		8260D							2 uL
IC 410-355532/18		8260D							2 uL
ICV 410-355532/19		8260D			12.5 uL	12.5 uL	12.5 uL	12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LL_#2_826 00077	MSV_LL_GAS826 00141	MSV_LLcentISO 00005	MSV_LLcentISS 00006	MSV_QC_Gas826 00131	MSV_V_BFB 00011
BFB 410-355532/1		8260D							1 uL
IC 410-355532/3		8260D				5 uL			
IC 410-355532/4		8260D				5 uL			
IC 410-355532/5		8260D				5 uL			
IC 410-355532/6		8260D				5 uL			
IC 410-355532/7		8260D				5 uL			
IC 410-355532/8		8260D				5 uL			
IC 410-355532/9		8260D				5 uL			
IC 410-355532/12		8260D		25 uL	25 uL		5 uL		
ICIS 410-355532/13		8260D		10 uL	10 uL		5 uL		
IC 410-355532/14		8260D		5 uL	5 uL		5 uL		
IC 410-355532/15		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.: 410-119839-1

SDG No.:

Batch Number: 355532 Batch Start Date: 03/21/23 00:26 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LL_#2_826 00077	MSV_LL_GAS826 00141	MSV_LLcentISO 00005	MSV_LLcentISS 00006	MSV_QC_Gas826 00131	MSV_V_BFB 00011
IC 410-355532/16		8260D		2 uL	2 uL		5 uL		
IC 410-355532/17		8260D		2 uL	2 uL		5 uL		
IC 410-355532/18		8260D		2 uL	2 uL		5 uL		
ICV 410-355532/19		8260D					5 uL	12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_SMRV4 00054					
BFB 410-355532/1		8260D							
IC 410-355532/3		8260D		12.5 uL					
IC 410-355532/4		8260D		5 uL					
IC 410-355532/5		8260D		5 uL					
IC 410-355532/6		8260D		5 uL					
IC 410-355532/7		8260D		5 uL					
IC 410-355532/8		8260D		2.5 uL					
IC 410-355532/9		8260D		1 uL					
IC 410-355532/12		8260D							
ICIS 410-355532/13		8260D							
IC 410-355532/14		8260D							
IC 410-355532/15		8260D							
IC 410-355532/16		8260D							
IC 410-355532/17		8260D							
IC 410-355532/18		8260D							
ICV 410-355532/19		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.: 410-119839-1

SDG No.:

Batch Number: 355532 | Batch Start Date: 03/21/23 00:26 | Batch Analyst: Campbell, Miranda E

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.: 410-119839-1

SDG No.:

Batch Number: 357851 | Batch Start Date: 03/27/23 18:49 | Batch Analyst: Campbell, Miranda E

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-357851/1		8260D		1 uL	1 uL				
CCVIS 410-357851/3		8260D		25 mL	25 mL				2680
LCS 410-357851/4		8260D		25 mL	25 mL				2680
MB 410-357851/6		8260D		25 mL	25 mL				2680
410-119839-A-14	GD-QC1-0/1-2	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-119839-A-1	HD-COD-SW-6-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-119839-A-2	HD-COD-SW-7-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-119839-A-3	HD-COD-SW-8-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-119839-A-4	HD-COD-SW-9-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-119839-A-5	HD-COD-SW-13-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-119839-A-6	HD-COD-SW-15-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-119839-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-119839-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-119839-A-7	HD-COD-SW-16-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-119839-A-8	HD-COD-SW-17-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-119839-A-9	HD-COD-SW-26-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-119839-A-10	HD-COD-SW-27-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-119839-A-11	HD-COD-SW-28-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-119839-A-12	HD-COD-SW-29-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-119839-A-13	GD-QC1-0/1-1	8260D	T	25 mL	25 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Basis	LCS_ETBR 00005	MSV_HP25_ISSS 00066	MSV_LCS_ACROL 00104	MSV_LCS_EE 00004	MSV_LCS_Penta 00027	MSV_LCS_VOC#1 00102

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.: 410-119839-1

SDG No.:

Batch Number: 357851 | Batch Start Date: 03/27/23 18:49 | Batch Analyst: Campbell, Miranda E

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	LCS_ETBR 00005	MSV_HP25_ISSS 00066	MSV_LCS_ACROL 00104	MSV_LCS_EE 00004	MSV_LCS_Penta 00027	MSV_LCS_VOC#1 00102
BFB 410-357851/1		8260D							
CCVIS 410-357851/3		8260D			1 uL				
LCS 410-357851/4		8260D		6.25 uL	1 uL	6.25 uL	6.25 uL	6.25 uL	6.25 uL
MB 410-357851/6		8260D			1 uL				
410-119839-A-14	GD-QC1-0/1-2	8260D	T		1 uL				
410-119839-A-1	HD-COD-SW-6-0/1-0	8260D	T		1 uL				
410-119839-A-2	HD-COD-SW-7-0/1-0	8260D	T		1 uL				
410-119839-A-3	HD-COD-SW-8-0/1-0	8260D	T		1 uL				
410-119839-A-4	HD-COD-SW-9-0/1-0	8260D	T		1 uL				
410-119839-A-5	HD-COD-SW-13-0/1-0	8260D	T		1 uL				
410-119839-A-6	HD-COD-SW-15-0/1-0	8260D	T		1 uL				
410-119839-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	T	5.38 uL	1 uL	5.38 uL	5.38 uL	5.38 uL	5.38 uL
410-119839-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	T	5.38 uL	1 uL	5.38 uL	5.38 uL	5.38 uL	5.38 uL
410-119839-A-7	HD-COD-SW-16-0/1-0	8260D	T		1 uL				
410-119839-A-8	HD-COD-SW-17-0/1-0	8260D	T		1 uL				
410-119839-A-9	HD-COD-SW-26-0/1-0	8260D	T		1 uL				
410-119839-A-10	HD-COD-SW-27-0/1-0	8260D	T		1 uL				
410-119839-A-11	HD-COD-SW-28-0/1-0	8260D	T		1 uL				
410-119839-A-12	HD-COD-SW-29-0/1-0	8260D	T		1 uL				
410-119839-A-13	GD-QC1-0/1-1	8260D	T		1 uL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LL_#1_826 00070	MSV_LL_#2_826 00077	MSV_LL_GAS826 00141	MSV_QC_Gas826 00132	MSV_V_BFB 00011	

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.: 410-119839-1

SDG No.:

Batch Number: 357851 Batch Start Date: 03/27/23 18:49 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LL_#1_826 00070	MSV_LL_#2_826 00077	MSV_LL_GAS826 00141	MSV_QC_Gas826 00132	MSV_V_BFB 00011	
BFB 410-357851/1		8260D						1 uL	
CCVIS 410-357851/3		8260D		10 uL	10 uL	10 uL			
LCS 410-357851/4		8260D							
MB 410-357851/6		8260D							
410-119839-A-14	GD-QC1-0/1-2	8260D	T						
410-119839-A-1	HD-COD-SW-6-0/1-0	8260D	T						
410-119839-A-2	HD-COD-SW-7-0/1-0	8260D	T						
410-119839-A-3	HD-COD-SW-8-0/1-0	8260D	T						
410-119839-A-4	HD-COD-SW-9-0/1-0	8260D	T						
410-119839-A-5	HD-COD-SW-13-0/1-0	8260D	T						
410-119839-A-6	HD-COD-SW-15-0/1-0	8260D	T						
410-119839-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	T				5.38 uL		
410-119839-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	T				5.38 uL		
410-119839-A-7	HD-COD-SW-16-0/1-0	8260D	T						
410-119839-A-8	HD-COD-SW-17-0/1-0	8260D	T						
410-119839-A-9	HD-COD-SW-26-0/1-0	8260D	T						
410-119839-A-10	HD-COD-SW-27-0/1-0	8260D	T						
410-119839-A-11	HD-COD-SW-28-0/1-0	8260D	T						
410-119839-A-12	HD-COD-SW-29-0/1-0	8260D	T						
410-119839-A-13	GD-QC1-0/1-1	8260D	T						

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-119839-1

SDG No.:

Batch Number: 357851 | Batch Start Date: 03/27/23 18:49 | Batch Analyst: Campbell, Miranda E

Batch Method: 8260D | Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-119839-1

SDG No.:

Batch Number: 358849 | Batch Start Date: 03/29/23 19:34 | Batch Analyst: Campbell, Miranda E

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-358849/1		8260D		1 uL	1 uL				
CCVIS 410-358849/3		8260D		25 mL	25 mL				2680
LCS 410-358849/4		8260D		25 mL	25 mL				2680
MB 410-358849/6		8260D		25 mL	25 mL				2680
410-119839-B-8	HD-COD-SW-17-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	2680
410-119839-B-13	GD-QC1-0/1-1	8260D	T	25 mL	25 mL	<2 SU	N	N	2680

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_ACROL 00104	MSV_LCS_Penta 00027	MSV_LCS_VOC#1 00102	MSV_LL_#1_826 00070	MSV_LL_#2_826 00078	MSV_LL_GAS826 00142
BFB 410-358849/1		8260D							
CCVIS 410-358849/3		8260D					10 uL	10 uL	10 uL
LCS 410-358849/4		8260D		12.5 uL	12.5 uL	12.5 uL			
MB 410-358849/6		8260D							
410-119839-B-8	HD-COD-SW-17-0/1-0	8260D	T						
410-119839-B-13	GD-QC1-0/1-1	8260D	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LLcentISS 00006	MSV_QC_Gas826 00132	MSV_V_BFB 00011			
BFB 410-358849/1		8260D				1 uL			
CCVIS 410-358849/3		8260D		5 uL					
LCS 410-358849/4		8260D		5 uL	12.5 uL				
MB 410-358849/6		8260D		5 uL					
410-119839-B-8	HD-COD-SW-17-0/1-0	8260D	T	5 uL					
410-119839-B-13	GD-QC1-0/1-1	8260D	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.: 410-119839-1

SDG No.:

Batch Number: 358849 | Batch Start Date: 03/29/23 19:34 | Batch Analyst: Campbell, Miranda E

Batch Method: 8260D | Batch End Date:

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

370472
HARRISBURG PA

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

410-119839 Chain of Custody

Sample # _____

Client:	Groundwater Sciences Corporation		
Project Name/#:	fYNOP Monthly Surface Water	Site ID #:	fYNOP, York PA
Project Manager:	Chris O'Neil	P.O. #:	10012.51
Sampler:	Casey Littlefield / Lucas Grimm	PWSID #:	N/A
Phone #:	(717) 901-8176 / (717) 756-1246	Quote #:	
State where samples were collected:	York, PA	For Compliance:	Yes ☐ No ☑

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil	Sediment	Tissue	Water	Potable	Ground	Surface	NPDES	Other:	Total # of Containers	Analyses Requested: Aqueous VOCs via 8260D (low level - 25 ml purge)	Preservation Codes: H
HD-COD-SW-6-0/1-0	3/22/23	1105	X					X						3	X	
HD-COD-SW-7-0/1-0		1228	X					X						3	X	
HD-COD-SW-8-0/1-0		0945	X					X						3	X	
HD-COD-SW-9-0/1-0		1339	X					X						3	X	
HD-COD-SW-13-0/1-0		1015	X					X						3	X	
HD-COD-SW-15-0/1-0		1245	X					X						3	X	
HD-COD-SW-15-0/1-0 MS		1245	X					X						3	X	
HD-COD-SW-15-0/1-0 MSD		1245	X					X						3	X	
HD-COD-SW-16-0/1-0		1034	X					X						3	X	
HD-COD-SW-17-0/1-0		1045	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:

Phone:

Data Package Options (please check if required)

Type I (Validation/non-CLP)	☐	MA MCP	☐
Type III (Reduced non-CLP)	☐	CT RCP	☐
Type VI (Raw Data Only)	☐	TX TRRP-13	☐
NJ DKQP	☐	NYSDEC Category	☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: _ CLP Like Deliverables, Project Specific Analyte List

	Relinquished by:	Date	Time	Received by:	Date	Time
1		3/22/23	1445		3/22/23	1445
2		3/22/23	1550		Date	Time
3		Date	Time		Date	Time
4		Date	Time		Date	Time
5		Date	Time		Date	Time

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other ✓

Temperature upon receipt 2.3 °C

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. #:	10012.51
Sampler:	Casey Littlefield / Lucas Grimm	PWSID #:	N/A
Phone #:	(717) 901-8176 / (717) 756-1246	Quote #:	
State where samples were collected: York, PA		For Compliance: Yes ☐ No ☑	

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil ☐ Sediment ☐ Tissue ☐	Water: Potable ☐ Ground ☐ NPDES ☐ Surface ☑	Other: Trip Blank	Total # of Containers	Analyses Requested: Preservation Codes H — Aqueous VOCs via 8260D (low level - 25 ml purge)	Remarks
HD-COD-SW-26-0/1-0	3/22/23	1205	X			X		3	X	All samples
HD-COD-SW-27-0/1-0		1240	X			X		3	X	preserved on
HD-COD-SW-28-0/1-0		1350	X			X		3	X	ice
HD-COD-SW-29-0/1-0		0930	X			X		3	X	
HD-QC1-0/1-1		1200	X			X		3	X	
HD-QC1-0/1-2		—	X				X	2	X	Trip Blank

For Lab Use Only
SF #: _____
SCR #: _____

Preservation Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 P = H_3PO_4
O = Other

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed: STANDARD

Rush results requested by (please check): E-Mail ☐ Phone ☐

E-mail Address:

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
	3/22/23	1445		3/22/23	1445
	3/22/23	1550			
Relinquished by Commercial Carrier:			Received by:	3/22/23	1550

UPS _____ FedEx _____ Other ✓

Temperature upon receipt 2.3 °C

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-119839-1

Login Number: 119839

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: McBeth, Jessica

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=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	