



ANALYTICAL REPORT

PREPARED FOR

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Generated 07/11/2024

JOB DESCRIPTION

fYNOP - Monthly SW Sampling

JOB NUMBER

410-177855-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

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

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

Authorization



Generated
07/11/2024

Authorized for release by
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Definitions/Glossary

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

Qualifiers

GC/MS VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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
410-177855-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 6/27/2024 2:53 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C.

GC/MS VOA

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 410-523863 recovered outside acceptance criteria, low biased, for 1,1-Dichloroethene. A reporting limit (RL) standard was analyzed and 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
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.2	J	5.0	1.5	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.099	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-177855-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.5	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.10	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.16	J	0.50	0.080	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-8-0/1-0

Lab Sample ID: 410-177855-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.3	J	5.0	1.5	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.18	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.94		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.20	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-177855-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.9	J	5.0	1.5	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.091	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.25	J	0.50	0.20	ug/L	1		8260D	Total/NA
Toluene	0.10	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-177855-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.13	J	0.50	0.080	ug/L	1		8260D	Total/NA
Acetone	2.0	J	5.0	1.5	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.21	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.8		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.20	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-177855-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.23	J	0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.15	J	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.22	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.76		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	4.5		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.97		0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-177855-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.15	J	0.50	0.080	ug/L	1		8260D	Total/NA
Acetone	2.1	J	5.0	1.5	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.20	J	0.50	0.080	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.2		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-17-0/1-0

Lab Sample ID: 410-177855-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	8.9		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.6		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.64		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	2.0		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	3.1		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	120		5.0	2.0	ug/L	10		8260D	Total/NA

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

Lab Sample ID: 410-177855-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.0	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.15	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.14	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.48	J	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: 410-177855-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.3	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.095	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.14	J	0.50	0.080	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-28-0/1-0

Lab Sample ID: 410-177855-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.3	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.13	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.13	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.38	J	0.50	0.20	ug/L	1		8260D	Total/NA
Toluene	0.10	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.16	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-177855-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.2	J	5.0	1.5	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.16	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.47	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.17	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-177855-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	9.1		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.6		0.50	0.10	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

Client Sample ID: HD-QC1-0/1-1 (Continued)

Lab Sample ID: 410-177855-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.69		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	2.0		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	3.2		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	130		5.0	2.0	ug/L	10		8260D	Total/NA

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

Lab Sample ID: 410-177855-14

No Detections.

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-1

Date Collected: 06/26/24 08:49

Matrix: Water

Date Received: 06/27/24 14:53

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			07/08/24 13:31	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 13:31	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/08/24 13:31	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 13:31	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/08/24 13:31	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 13:31	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/08/24 13:31	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/08/24 13:31	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/08/24 13:31	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/08/24 13:31	1
2-Hexanone	ND		5.0	2.0	ug/L			07/08/24 13:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/08/24 13:31	1
Acetone	2.2	J	5.0	1.5	ug/L			07/08/24 13:31	1
Benzene	ND		0.50	0.10	ug/L			07/08/24 13:31	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/08/24 13:31	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/08/24 13:31	1
Bromoform	ND		1.0	0.30	ug/L			07/08/24 13:31	1
Bromomethane	ND		0.50	0.10	ug/L			07/08/24 13:31	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/08/24 13:31	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/08/24 13:31	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/08/24 13:31	1
Chloroethane	ND		0.50	0.10	ug/L			07/08/24 13:31	1
Chloroform	ND		0.50	0.090	ug/L			07/08/24 13:31	1
Chloromethane	ND		0.50	0.10	ug/L			07/08/24 13:31	1
cis-1,2-Dichloroethene	0.099	J	0.50	0.080	ug/L			07/08/24 13:31	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/08/24 13:31	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/08/24 13:31	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/08/24 13:31	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/08/24 13:31	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/08/24 13:31	1
Styrene	ND		0.50	0.070	ug/L			07/08/24 13:31	1
Tetrachloroethene	ND		0.50	0.20	ug/L			07/08/24 13:31	1
Toluene	ND		0.50	0.080	ug/L			07/08/24 13:31	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 13:31	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/08/24 13:31	1
Trichloroethene	0.11	J	0.50	0.080	ug/L			07/08/24 13:31	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/08/24 13:31	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/08/24 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		07/08/24 13:31	1
4-Bromofluorobenzene (Surr)	95		80 - 120		07/08/24 13:31	1
Dibromofluoromethane (Surr)	102		80 - 120		07/08/24 13:31	1
Toluene-d8 (Surr)	101		80 - 120		07/08/24 13:31	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-2

Date Collected: 06/26/24 10:05

Matrix: Water

Date Received: 06/27/24 14:53

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			07/08/24 13:54	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 13:54	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/08/24 13:54	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 13:54	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/08/24 13:54	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 13:54	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/08/24 13:54	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/08/24 13:54	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/08/24 13:54	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/08/24 13:54	1
2-Hexanone	ND		5.0	2.0	ug/L			07/08/24 13:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/08/24 13:54	1
Acetone	2.5	J	5.0	1.5	ug/L			07/08/24 13:54	1
Benzene	ND		0.50	0.10	ug/L			07/08/24 13:54	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/08/24 13:54	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/08/24 13:54	1
Bromoform	ND		1.0	0.30	ug/L			07/08/24 13:54	1
Bromomethane	ND		0.50	0.10	ug/L			07/08/24 13:54	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/08/24 13:54	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/08/24 13:54	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/08/24 13:54	1
Chloroethane	ND		0.50	0.10	ug/L			07/08/24 13:54	1
Chloroform	0.10	J	0.50	0.090	ug/L			07/08/24 13:54	1
Chloromethane	ND		0.50	0.10	ug/L			07/08/24 13:54	1
cis-1,2-Dichloroethene	0.16	J	0.50	0.080	ug/L			07/08/24 13:54	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/08/24 13:54	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/08/24 13:54	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/08/24 13:54	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/08/24 13:54	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/08/24 13:54	1
Styrene	ND		0.50	0.070	ug/L			07/08/24 13:54	1
Tetrachloroethene	ND		0.50	0.20	ug/L			07/08/24 13:54	1
Toluene	ND		0.50	0.080	ug/L			07/08/24 13:54	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 13:54	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/08/24 13:54	1
Trichloroethene	0.19	J	0.50	0.080	ug/L			07/08/24 13:54	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/08/24 13:54	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/08/24 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		07/08/24 13:54	1
4-Bromofluorobenzene (Surr)	93		80 - 120		07/08/24 13:54	1
Dibromofluoromethane (Surr)	102		80 - 120		07/08/24 13:54	1
Toluene-d8 (Surr)	99		80 - 120		07/08/24 13:54	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-3

Date Collected: 06/26/24 07:28

Matrix: Water

Date Received: 06/27/24 14:53

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			07/08/24 14:17	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 14:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/08/24 14:17	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 14:17	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/08/24 14:17	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 14:17	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/08/24 14:17	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/08/24 14:17	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/08/24 14:17	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/08/24 14:17	1
2-Hexanone	ND		5.0	2.0	ug/L			07/08/24 14:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/08/24 14:17	1
Acetone	2.3	J	5.0	1.5	ug/L			07/08/24 14:17	1
Benzene	ND		0.50	0.10	ug/L			07/08/24 14:17	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/08/24 14:17	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/08/24 14:17	1
Bromoform	ND		1.0	0.30	ug/L			07/08/24 14:17	1
Bromomethane	ND		0.50	0.10	ug/L			07/08/24 14:17	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/08/24 14:17	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/08/24 14:17	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/08/24 14:17	1
Chloroethane	ND		0.50	0.10	ug/L			07/08/24 14:17	1
Chloroform	ND		0.50	0.090	ug/L			07/08/24 14:17	1
Chloromethane	ND		0.50	0.10	ug/L			07/08/24 14:17	1
cis-1,2-Dichloroethene	0.18	J	0.50	0.080	ug/L			07/08/24 14:17	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/08/24 14:17	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/08/24 14:17	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/08/24 14:17	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/08/24 14:17	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/08/24 14:17	1
Styrene	ND		0.50	0.070	ug/L			07/08/24 14:17	1
Tetrachloroethene	0.94		0.50	0.20	ug/L			07/08/24 14:17	1
Toluene	ND		0.50	0.080	ug/L			07/08/24 14:17	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 14:17	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/08/24 14:17	1
Trichloroethene	0.20	J	0.50	0.080	ug/L			07/08/24 14:17	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/08/24 14:17	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/08/24 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		07/08/24 14:17	1
4-Bromofluorobenzene (Surr)	94		80 - 120		07/08/24 14:17	1
Dibromofluoromethane (Surr)	102		80 - 120		07/08/24 14:17	1
Toluene-d8 (Surr)	100		80 - 120		07/08/24 14:17	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-4

Date Collected: 06/26/24 11:25

Matrix: Water

Date Received: 06/27/24 14:53

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			07/08/24 14:39	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 14:39	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/08/24 14:39	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 14:39	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/08/24 14:39	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 14:39	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/08/24 14:39	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/08/24 14:39	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/08/24 14:39	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/08/24 14:39	1
2-Hexanone	ND		5.0	2.0	ug/L			07/08/24 14:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/08/24 14:39	1
Acetone	4.9	J	5.0	1.5	ug/L			07/08/24 14:39	1
Benzene	ND		0.50	0.10	ug/L			07/08/24 14:39	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/08/24 14:39	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/08/24 14:39	1
Bromoform	ND		1.0	0.30	ug/L			07/08/24 14:39	1
Bromomethane	ND		0.50	0.10	ug/L			07/08/24 14:39	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/08/24 14:39	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/08/24 14:39	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/08/24 14:39	1
Chloroethane	ND		0.50	0.10	ug/L			07/08/24 14:39	1
Chloroform	ND		0.50	0.090	ug/L			07/08/24 14:39	1
Chloromethane	ND		0.50	0.10	ug/L			07/08/24 14:39	1
cis-1,2-Dichloroethene	0.091	J	0.50	0.080	ug/L			07/08/24 14:39	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/08/24 14:39	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/08/24 14:39	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/08/24 14:39	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/08/24 14:39	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/08/24 14:39	1
Styrene	ND		0.50	0.070	ug/L			07/08/24 14:39	1
Tetrachloroethene	0.25	J	0.50	0.20	ug/L			07/08/24 14:39	1
Toluene	0.10	J	0.50	0.080	ug/L			07/08/24 14:39	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 14:39	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/08/24 14:39	1
Trichloroethene	0.11	J	0.50	0.080	ug/L			07/08/24 14:39	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/08/24 14:39	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/08/24 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		07/08/24 14:39	1
4-Bromofluorobenzene (Surr)	94		80 - 120		07/08/24 14:39	1
Dibromofluoromethane (Surr)	102		80 - 120		07/08/24 14:39	1
Toluene-d8 (Surr)	100		80 - 120		07/08/24 14:39	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-5

Date Collected: 06/26/24 07:45

Matrix: Water

Date Received: 06/27/24 14:53

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			07/08/24 15:02	1
1,1,1-Trichloroethane	0.13	J	0.50	0.080	ug/L			07/08/24 15:02	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/08/24 15:02	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 15:02	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/08/24 15:02	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 15:02	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/08/24 15:02	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/08/24 15:02	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/08/24 15:02	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/08/24 15:02	1
2-Hexanone	ND		5.0	2.0	ug/L			07/08/24 15:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/08/24 15:02	1
Acetone	2.0	J	5.0	1.5	ug/L			07/08/24 15:02	1
Benzene	ND		0.50	0.10	ug/L			07/08/24 15:02	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/08/24 15:02	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/08/24 15:02	1
Bromoform	ND		1.0	0.30	ug/L			07/08/24 15:02	1
Bromomethane	ND		0.50	0.10	ug/L			07/08/24 15:02	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/08/24 15:02	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/08/24 15:02	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/08/24 15:02	1
Chloroethane	ND		0.50	0.10	ug/L			07/08/24 15:02	1
Chloroform	ND		0.50	0.090	ug/L			07/08/24 15:02	1
Chloromethane	ND		0.50	0.10	ug/L			07/08/24 15:02	1
cis-1,2-Dichloroethene	0.21	J	0.50	0.080	ug/L			07/08/24 15:02	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/08/24 15:02	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/08/24 15:02	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/08/24 15:02	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/08/24 15:02	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/08/24 15:02	1
Styrene	ND		0.50	0.070	ug/L			07/08/24 15:02	1
Tetrachloroethene	1.8		0.50	0.20	ug/L			07/08/24 15:02	1
Toluene	ND		0.50	0.080	ug/L			07/08/24 15:02	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 15:02	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/08/24 15:02	1
Trichloroethene	0.20	J	0.50	0.080	ug/L			07/08/24 15:02	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/08/24 15:02	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/08/24 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		07/08/24 15:02	1
4-Bromofluorobenzene (Surr)	94		80 - 120		07/08/24 15:02	1
Dibromofluoromethane (Surr)	102		80 - 120		07/08/24 15:02	1
Toluene-d8 (Surr)	100		80 - 120		07/08/24 15:02	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-6

Date Collected: 06/26/24 10:30

Matrix: Water

Date Received: 06/27/24 14:53

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			07/08/24 15:24	1
1,1,1-Trichloroethane	0.23	J	0.50	0.080	ug/L			07/08/24 15:24	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/08/24 15:24	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 15:24	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/08/24 15:24	1
1,1-Dichloroethene	0.15	J	0.50	0.10	ug/L			07/08/24 15:24	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/08/24 15:24	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/08/24 15:24	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/08/24 15:24	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/08/24 15:24	1
2-Hexanone	ND		5.0	2.0	ug/L			07/08/24 15:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/08/24 15:24	1
Acetone	ND		5.0	1.5	ug/L			07/08/24 15:24	1
Benzene	ND		0.50	0.10	ug/L			07/08/24 15:24	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/08/24 15:24	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/08/24 15:24	1
Bromoform	ND		1.0	0.30	ug/L			07/08/24 15:24	1
Bromomethane	ND		0.50	0.10	ug/L			07/08/24 15:24	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/08/24 15:24	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/08/24 15:24	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/08/24 15:24	1
Chloroethane	ND		0.50	0.10	ug/L			07/08/24 15:24	1
Chloroform	0.22	J	0.50	0.090	ug/L			07/08/24 15:24	1
Chloromethane	ND		0.50	0.10	ug/L			07/08/24 15:24	1
cis-1,2-Dichloroethene	0.76		0.50	0.080	ug/L			07/08/24 15:24	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/08/24 15:24	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/08/24 15:24	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/08/24 15:24	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/08/24 15:24	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/08/24 15:24	1
Styrene	ND		0.50	0.070	ug/L			07/08/24 15:24	1
Tetrachloroethene	4.5		0.50	0.20	ug/L			07/08/24 15:24	1
Toluene	ND		0.50	0.080	ug/L			07/08/24 15:24	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 15:24	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/08/24 15:24	1
Trichloroethene	0.97		0.50	0.080	ug/L			07/08/24 15:24	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/08/24 15:24	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/08/24 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		07/08/24 15:24	1
4-Bromofluorobenzene (Surr)	93		80 - 120		07/08/24 15:24	1
Dibromofluoromethane (Surr)	102		80 - 120		07/08/24 15:24	1
Toluene-d8 (Surr)	100		80 - 120		07/08/24 15:24	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-7

Date Collected: 06/26/24 08:08

Matrix: Water

Date Received: 06/27/24 14:53

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			07/08/24 16:32	1
1,1,1-Trichloroethane	0.15	J	0.50	0.080	ug/L			07/08/24 16:32	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/08/24 16:32	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 16:32	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/08/24 16:32	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 16:32	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/08/24 16:32	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/08/24 16:32	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/08/24 16:32	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/08/24 16:32	1
2-Hexanone	ND		5.0	2.0	ug/L			07/08/24 16:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/08/24 16:32	1
Acetone	2.1	J	5.0	1.5	ug/L			07/08/24 16:32	1
Benzene	ND		0.50	0.10	ug/L			07/08/24 16:32	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/08/24 16:32	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/08/24 16:32	1
Bromoform	ND		1.0	0.30	ug/L			07/08/24 16:32	1
Bromomethane	ND		0.50	0.10	ug/L			07/08/24 16:32	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/08/24 16:32	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/08/24 16:32	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/08/24 16:32	1
Chloroethane	ND		0.50	0.10	ug/L			07/08/24 16:32	1
Chloroform	ND		0.50	0.090	ug/L			07/08/24 16:32	1
Chloromethane	ND		0.50	0.10	ug/L			07/08/24 16:32	1
cis-1,2-Dichloroethene	0.20	J	0.50	0.080	ug/L			07/08/24 16:32	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/08/24 16:32	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/08/24 16:32	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/08/24 16:32	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/08/24 16:32	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/08/24 16:32	1
Styrene	ND		0.50	0.070	ug/L			07/08/24 16:32	1
Tetrachloroethene	2.2		0.50	0.20	ug/L			07/08/24 16:32	1
Toluene	ND		0.50	0.080	ug/L			07/08/24 16:32	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 16:32	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/08/24 16:32	1
Trichloroethene	0.21	J	0.50	0.080	ug/L			07/08/24 16:32	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/08/24 16:32	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/08/24 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		07/08/24 16:32	1
4-Bromofluorobenzene (Surr)	95		80 - 120		07/08/24 16:32	1
Dibromofluoromethane (Surr)	103		80 - 120		07/08/24 16:32	1
Toluene-d8 (Surr)	101		80 - 120		07/08/24 16:32	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-8

Date Collected: 06/26/24 08:20

Matrix: Water

Date Received: 06/27/24 14:53

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			07/08/24 16:54	1
1,1,1-Trichloroethane	8.9		0.50	0.080	ug/L			07/08/24 16:54	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/08/24 16:54	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 16:54	1
1,1-Dichloroethane	1.6		0.50	0.10	ug/L			07/08/24 16:54	1
1,1-Dichloroethene	0.64		0.50	0.10	ug/L			07/08/24 16:54	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/08/24 16:54	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/08/24 16:54	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/08/24 16:54	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/08/24 16:54	1
2-Hexanone	ND		5.0	2.0	ug/L			07/08/24 16:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/08/24 16:54	1
Acetone	ND		5.0	1.5	ug/L			07/08/24 16:54	1
Benzene	ND		0.50	0.10	ug/L			07/08/24 16:54	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/08/24 16:54	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/08/24 16:54	1
Bromoform	ND		1.0	0.30	ug/L			07/08/24 16:54	1
Bromomethane	ND		0.50	0.10	ug/L			07/08/24 16:54	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/08/24 16:54	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/08/24 16:54	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/08/24 16:54	1
Chloroethane	ND		0.50	0.10	ug/L			07/08/24 16:54	1
Chloroform	0.19	J	0.50	0.090	ug/L			07/08/24 16:54	1
Chloromethane	ND		0.50	0.10	ug/L			07/08/24 16:54	1
cis-1,2-Dichloroethene	2.0		0.50	0.080	ug/L			07/08/24 16:54	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/08/24 16:54	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/08/24 16:54	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/08/24 16:54	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/08/24 16:54	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/08/24 16:54	1
Styrene	ND		0.50	0.070	ug/L			07/08/24 16:54	1
Toluene	ND		0.50	0.080	ug/L			07/08/24 16:54	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 16:54	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/08/24 16:54	1
Trichloroethene	3.1		0.50	0.080	ug/L			07/08/24 16:54	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/08/24 16:54	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/08/24 16:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		07/08/24 16:54	1
4-Bromofluorobenzene (Surr)	94		80 - 120		07/08/24 16:54	1
Dibromofluoromethane (Surr)	102		80 - 120		07/08/24 16:54	1
Toluene-d8 (Surr)	98		80 - 120		07/08/24 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	120		5.0	2.0	ug/L			07/10/24 00:03	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		07/10/24 00:03	10

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-8

Date Collected: 06/26/24 08:20

Matrix: Water

Date Received: 06/27/24 14:53

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		80 - 120		07/10/24 00:03	10
Dibromofluoromethane (Surr)	102		80 - 120		07/10/24 00:03	10
Toluene-d8 (Surr)	99		80 - 120		07/10/24 00:03	10

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

Lab Sample ID: 410-177855-9

Date Collected: 06/26/24 09:35

Matrix: Water

Date Received: 06/27/24 14:53

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			07/08/24 17:17	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 17:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/08/24 17:17	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 17:17	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/08/24 17:17	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 17:17	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/08/24 17:17	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/08/24 17:17	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/08/24 17:17	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/08/24 17:17	1
2-Hexanone	ND		5.0	2.0	ug/L			07/08/24 17:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/08/24 17:17	1
Acetone	3.0	J	5.0	1.5	ug/L			07/08/24 17:17	1
Benzene	ND		0.50	0.10	ug/L			07/08/24 17:17	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/08/24 17:17	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/08/24 17:17	1
Bromoform	ND		1.0	0.30	ug/L			07/08/24 17:17	1
Bromomethane	ND		0.50	0.10	ug/L			07/08/24 17:17	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/08/24 17:17	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/08/24 17:17	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/08/24 17:17	1
Chloroethane	ND		0.50	0.10	ug/L			07/08/24 17:17	1
Chloroform	0.15	J	0.50	0.090	ug/L			07/08/24 17:17	1
Chloromethane	ND		0.50	0.10	ug/L			07/08/24 17:17	1
cis-1,2-Dichloroethene	0.14	J	0.50	0.080	ug/L			07/08/24 17:17	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/08/24 17:17	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/08/24 17:17	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/08/24 17:17	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/08/24 17:17	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/08/24 17:17	1
Styrene	ND		0.50	0.070	ug/L			07/08/24 17:17	1
Tetrachloroethene	0.48	J	0.50	0.20	ug/L			07/08/24 17:17	1
Toluene	ND		0.50	0.080	ug/L			07/08/24 17:17	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 17:17	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/08/24 17:17	1
Trichloroethene	0.17	J	0.50	0.080	ug/L			07/08/24 17:17	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/08/24 17:17	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/08/24 17:17	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-9

Date Collected: 06/26/24 09:35

Matrix: Water

Date Received: 06/27/24 14:53

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		07/08/24 17:17	1
4-Bromofluorobenzene (Surr)	95		80 - 120		07/08/24 17:17	1
Dibromofluoromethane (Surr)	101		80 - 120		07/08/24 17:17	1
Toluene-d8 (Surr)	100		80 - 120		07/08/24 17:17	1

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

Lab Sample ID: 410-177855-10

Date Collected: 06/26/24 10:20

Matrix: Water

Date Received: 06/27/24 14:53

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			07/08/24 17:40	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 17:40	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/08/24 17:40	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 17:40	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/08/24 17:40	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 17:40	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/08/24 17:40	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/08/24 17:40	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/08/24 17:40	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/08/24 17:40	1
2-Hexanone	ND		5.0	2.0	ug/L			07/08/24 17:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/08/24 17:40	1
Acetone	3.3	J	5.0	1.5	ug/L			07/08/24 17:40	1
Benzene	ND		0.50	0.10	ug/L			07/08/24 17:40	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/08/24 17:40	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/08/24 17:40	1
Bromoform	ND		1.0	0.30	ug/L			07/08/24 17:40	1
Bromomethane	ND		0.50	0.10	ug/L			07/08/24 17:40	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/08/24 17:40	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/08/24 17:40	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/08/24 17:40	1
Chloroethane	ND		0.50	0.10	ug/L			07/08/24 17:40	1
Chloroform	0.095	J	0.50	0.090	ug/L			07/08/24 17:40	1
Chloromethane	ND		0.50	0.10	ug/L			07/08/24 17:40	1
cis-1,2-Dichloroethene	0.14	J	0.50	0.080	ug/L			07/08/24 17:40	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/08/24 17:40	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/08/24 17:40	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/08/24 17:40	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/08/24 17:40	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/08/24 17:40	1
Styrene	ND		0.50	0.070	ug/L			07/08/24 17:40	1
Tetrachloroethene	ND		0.50	0.20	ug/L			07/08/24 17:40	1
Toluene	ND		0.50	0.080	ug/L			07/08/24 17:40	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 17:40	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/08/24 17:40	1
Trichloroethene	0.17	J	0.50	0.080	ug/L			07/08/24 17:40	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/08/24 17:40	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/08/24 17:40	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-10

Date Collected: 06/26/24 10:20

Matrix: Water

Date Received: 06/27/24 14:53

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		07/08/24 17:40	1
4-Bromofluorobenzene (Surr)	94		80 - 120		07/08/24 17:40	1
Dibromofluoromethane (Surr)	102		80 - 120		07/08/24 17:40	1
Toluene-d8 (Surr)	101		80 - 120		07/08/24 17:40	1

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

Lab Sample ID: 410-177855-11

Date Collected: 06/26/24 11:37

Matrix: Water

Date Received: 06/27/24 14:53

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			07/08/24 18:03	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 18:03	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/08/24 18:03	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 18:03	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/08/24 18:03	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 18:03	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/08/24 18:03	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/08/24 18:03	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/08/24 18:03	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/08/24 18:03	1
2-Hexanone	ND		5.0	2.0	ug/L			07/08/24 18:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/08/24 18:03	1
Acetone	4.3	J	5.0	1.5	ug/L			07/08/24 18:03	1
Benzene	ND		0.50	0.10	ug/L			07/08/24 18:03	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/08/24 18:03	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/08/24 18:03	1
Bromoform	ND		1.0	0.30	ug/L			07/08/24 18:03	1
Bromomethane	ND		0.50	0.10	ug/L			07/08/24 18:03	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/08/24 18:03	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/08/24 18:03	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/08/24 18:03	1
Chloroethane	ND		0.50	0.10	ug/L			07/08/24 18:03	1
Chloroform	0.13	J	0.50	0.090	ug/L			07/08/24 18:03	1
Chloromethane	ND		0.50	0.10	ug/L			07/08/24 18:03	1
cis-1,2-Dichloroethene	0.13	J	0.50	0.080	ug/L			07/08/24 18:03	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/08/24 18:03	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/08/24 18:03	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/08/24 18:03	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/08/24 18:03	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/08/24 18:03	1
Styrene	ND		0.50	0.070	ug/L			07/08/24 18:03	1
Tetrachloroethene	0.38	J	0.50	0.20	ug/L			07/08/24 18:03	1
Toluene	0.10	J	0.50	0.080	ug/L			07/08/24 18:03	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 18:03	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/08/24 18:03	1
Trichloroethene	0.16	J	0.50	0.080	ug/L			07/08/24 18:03	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/08/24 18:03	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/08/24 18:03	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-11

Date Collected: 06/26/24 11:37

Matrix: Water

Date Received: 06/27/24 14:53

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		07/08/24 18:03	1
4-Bromofluorobenzene (Surr)	93		80 - 120		07/08/24 18:03	1
Dibromofluoromethane (Surr)	102		80 - 120		07/08/24 18:03	1
Toluene-d8 (Surr)	100		80 - 120		07/08/24 18:03	1

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

Lab Sample ID: 410-177855-12

Date Collected: 06/26/24 07:15

Matrix: Water

Date Received: 06/27/24 14:53

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			07/08/24 18:25	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 18:25	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/08/24 18:25	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 18:25	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/08/24 18:25	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 18:25	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/08/24 18:25	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/08/24 18:25	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/08/24 18:25	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/08/24 18:25	1
2-Hexanone	ND		5.0	2.0	ug/L			07/08/24 18:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/08/24 18:25	1
Acetone	2.2	J	5.0	1.5	ug/L			07/08/24 18:25	1
Benzene	ND		0.50	0.10	ug/L			07/08/24 18:25	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/08/24 18:25	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/08/24 18:25	1
Bromoform	ND		1.0	0.30	ug/L			07/08/24 18:25	1
Bromomethane	ND		0.50	0.10	ug/L			07/08/24 18:25	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/08/24 18:25	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/08/24 18:25	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/08/24 18:25	1
Chloroethane	ND		0.50	0.10	ug/L			07/08/24 18:25	1
Chloroform	ND		0.50	0.090	ug/L			07/08/24 18:25	1
Chloromethane	ND		0.50	0.10	ug/L			07/08/24 18:25	1
cis-1,2-Dichloroethene	0.16	J	0.50	0.080	ug/L			07/08/24 18:25	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/08/24 18:25	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/08/24 18:25	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/08/24 18:25	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/08/24 18:25	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/08/24 18:25	1
Styrene	ND		0.50	0.070	ug/L			07/08/24 18:25	1
Tetrachloroethene	0.47	J	0.50	0.20	ug/L			07/08/24 18:25	1
Toluene	ND		0.50	0.080	ug/L			07/08/24 18:25	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 18:25	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/08/24 18:25	1
Trichloroethene	0.17	J	0.50	0.080	ug/L			07/08/24 18:25	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/08/24 18:25	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/08/24 18:25	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-12

Date Collected: 06/26/24 07:15

Matrix: Water

Date Received: 06/27/24 14:53

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		07/08/24 18:25	1
4-Bromofluorobenzene (Surr)	94		80 - 120		07/08/24 18:25	1
Dibromofluoromethane (Surr)	102		80 - 120		07/08/24 18:25	1
Toluene-d8 (Surr)	100		80 - 120		07/08/24 18:25	1

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

Lab Sample ID: 410-177855-13

Date Collected: 06/26/24 09:00

Matrix: Water

Date Received: 06/27/24 14:53

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			07/08/24 18:48	1
1,1,1-Trichloroethane	9.1		0.50	0.080	ug/L			07/08/24 18:48	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/08/24 18:48	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 18:48	1
1,1-Dichloroethane	1.6		0.50	0.10	ug/L			07/08/24 18:48	1
1,1-Dichloroethene	0.69		0.50	0.10	ug/L			07/08/24 18:48	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/08/24 18:48	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/08/24 18:48	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/08/24 18:48	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/08/24 18:48	1
2-Hexanone	ND		5.0	2.0	ug/L			07/08/24 18:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/08/24 18:48	1
Acetone	ND		5.0	1.5	ug/L			07/08/24 18:48	1
Benzene	ND		0.50	0.10	ug/L			07/08/24 18:48	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/08/24 18:48	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/08/24 18:48	1
Bromoform	ND		1.0	0.30	ug/L			07/08/24 18:48	1
Bromomethane	ND		0.50	0.10	ug/L			07/08/24 18:48	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/08/24 18:48	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/08/24 18:48	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/08/24 18:48	1
Chloroethane	ND		0.50	0.10	ug/L			07/08/24 18:48	1
Chloroform	0.19	J	0.50	0.090	ug/L			07/08/24 18:48	1
Chloromethane	ND		0.50	0.10	ug/L			07/08/24 18:48	1
cis-1,2-Dichloroethene	2.0		0.50	0.080	ug/L			07/08/24 18:48	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/08/24 18:48	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/08/24 18:48	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/08/24 18:48	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/08/24 18:48	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/08/24 18:48	1
Styrene	ND		0.50	0.070	ug/L			07/08/24 18:48	1
Toluene	ND		0.50	0.080	ug/L			07/08/24 18:48	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 18:48	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/08/24 18:48	1
Trichloroethene	3.2		0.50	0.080	ug/L			07/08/24 18:48	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/08/24 18:48	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/08/24 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		07/08/24 18:48	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-13

Date Collected: 06/26/24 09:00

Matrix: Water

Date Received: 06/27/24 14:53

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		80 - 120		07/08/24 18:48	1
Dibromofluoromethane (Surr)	103		80 - 120		07/08/24 18:48	1
Toluene-d8 (Surr)	97		80 - 120		07/08/24 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	130		5.0	2.0	ug/L			07/10/24 00:25	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		07/10/24 00:25	10
4-Bromofluorobenzene (Surr)	90		80 - 120		07/10/24 00:25	10
Dibromofluoromethane (Surr)	103		80 - 120		07/10/24 00:25	10
Toluene-d8 (Surr)	96		80 - 120		07/10/24 00:25	10

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

Lab Sample ID: 410-177855-14

Date Collected: 06/25/24 00:00

Matrix: Water

Date Received: 06/27/24 14:53

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			07/02/24 13:17	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/02/24 13:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/02/24 13:17	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/02/24 13:17	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/02/24 13:17	1
1,1-Dichloroethene	ND	^c cn	0.50	0.10	ug/L			07/02/24 13:17	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/02/24 13:17	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/02/24 13:17	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/02/24 13:17	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/02/24 13:17	1
2-Hexanone	ND		5.0	2.0	ug/L			07/02/24 13:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/02/24 13:17	1
Acetone	ND		5.0	1.5	ug/L			07/02/24 13:17	1
Benzene	ND		0.50	0.10	ug/L			07/02/24 13:17	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/02/24 13:17	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/02/24 13:17	1
Bromoform	ND		1.0	0.30	ug/L			07/02/24 13:17	1
Bromomethane	ND		0.50	0.10	ug/L			07/02/24 13:17	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/02/24 13:17	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/02/24 13:17	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/02/24 13:17	1
Chloroethane	ND		0.50	0.10	ug/L			07/02/24 13:17	1
Chloroform	ND		0.50	0.090	ug/L			07/02/24 13:17	1
Chloromethane	ND		0.50	0.10	ug/L			07/02/24 13:17	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			07/02/24 13:17	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/02/24 13:17	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/02/24 13:17	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/02/24 13:17	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/02/24 13:17	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/02/24 13:17	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-14

Date Collected: 06/25/24 00:00

Matrix: Water

Date Received: 06/27/24 14:53

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			07/02/24 13:17	1
Tetrachloroethene	ND		0.50	0.20	ug/L			07/02/24 13:17	1
Toluene	ND		0.50	0.080	ug/L			07/02/24 13:17	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/02/24 13:17	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/02/24 13:17	1
Trichloroethene	ND		0.50	0.080	ug/L			07/02/24 13:17	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/02/24 13:17	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/02/24 13:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		07/02/24 13:17	1
4-Bromofluorobenzene (Surr)	94		80 - 120		07/02/24 13:17	1
Dibromofluoromethane (Surr)	102		80 - 120		07/02/24 13:17	1
Toluene-d8 (Surr)	98		80 - 120		07/02/24 13:17	1

Default Detection Limits

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

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

Surrogate Summary

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
410-177855-1	HD-COD-SW-6-0/1-0	99	95	102	101
410-177855-2	HD-COD-SW-7-0/1-0	101	93	102	99
410-177855-3	HD-COD-SW-8-0/1-0	102	94	102	100
410-177855-4	HD-COD-SW-9-0/1-0	100	94	102	100
410-177855-5	HD-COD-SW-13-0/1-0	100	94	102	100
410-177855-6	HD-COD-SW-15-0/1-0	101	93	102	100
410-177855-6 MS	HD-COD-SW-15-0/1-0 MS	106	97	101	102
410-177855-6 MSD	HD-COD-SW-15-0/1-0 MSD	101	99	101	102
410-177855-7	HD-COD-SW-16-0/1-0	102	95	103	101
410-177855-8	HD-COD-SW-17-0/1-0	101	94	102	98
410-177855-8 - DL	HD-COD-SW-17-0/1-0	104	92	102	99
410-177855-9	HD-COD-SW-26-0/1-0	102	95	101	100
410-177855-10	HD-COD-SW-27-0/1-0	102	94	102	101
410-177855-11	HD-COD-SW-28-0/1-0	101	93	102	100
410-177855-12	HD-COD-SW-29-0/1-0	100	94	102	100
410-177855-13	HD-QC1-0/1-1	103	93	103	97
410-177855-13 - DL	HD-QC1-0/1-1	103	90	103	96
410-177855-14	HD-QC1-0/1-2	102	94	102	98
LCS 410-523863/4	Lab Control Sample	102	98	101	101
LCS 410-525536/4	Lab Control Sample	104	99	101	101
LCS 410-526240/4	Lab Control Sample	104	100	101	99
LCSD 410-523863/5	Lab Control Sample Dup	100	99	100	102
MB 410-523863/7	Method Blank	100	94	101	100
MB 410-525536/6	Method Blank	100	95	101	99
MB 410-526240/6	Method Blank	103	91	101	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: MB 410-523863/7

Matrix: Water

Analysis Batch: 523863

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			07/02/24 12:31	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/02/24 12:31	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/02/24 12:31	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/02/24 12:31	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/02/24 12:31	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/02/24 12:31	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/02/24 12:31	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/02/24 12:31	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/02/24 12:31	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/02/24 12:31	1
2-Hexanone	ND		5.0	2.0	ug/L			07/02/24 12:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/02/24 12:31	1
Acetone	ND		5.0	1.5	ug/L			07/02/24 12:31	1
Benzene	ND		0.50	0.10	ug/L			07/02/24 12:31	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/02/24 12:31	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/02/24 12:31	1
Bromoform	ND		1.0	0.30	ug/L			07/02/24 12:31	1
Bromomethane	ND		0.50	0.10	ug/L			07/02/24 12:31	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/02/24 12:31	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/02/24 12:31	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/02/24 12:31	1
Chloroethane	ND		0.50	0.10	ug/L			07/02/24 12:31	1
Chloroform	ND		0.50	0.090	ug/L			07/02/24 12:31	1
Chloromethane	ND		0.50	0.10	ug/L			07/02/24 12:31	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			07/02/24 12:31	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/02/24 12:31	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/02/24 12:31	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/02/24 12:31	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/02/24 12:31	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/02/24 12:31	1
Styrene	ND		0.50	0.070	ug/L			07/02/24 12:31	1
Tetrachloroethene	ND		0.50	0.20	ug/L			07/02/24 12:31	1
Toluene	ND		0.50	0.080	ug/L			07/02/24 12:31	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/02/24 12:31	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/02/24 12:31	1
Trichloroethene	ND		0.50	0.080	ug/L			07/02/24 12:31	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/02/24 12:31	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/02/24 12:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		07/02/24 12:31	1
4-Bromofluorobenzene (Surr)	94		80 - 120		07/02/24 12:31	1
Dibromofluoromethane (Surr)	101		80 - 120		07/02/24 12:31	1
Toluene-d8 (Surr)	100		80 - 120		07/02/24 12:31	1

QC Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: LCS 410-523863/4

Matrix: Water

Analysis Batch: 523863

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.85		ug/L		97	71 - 134
1,1,1-Trichloroethane	5.00	4.68		ug/L		94	78 - 126
1,1,2,2-Tetrachloroethane	5.00	4.88		ug/L		98	75 - 123
1,1,2-Trichloroethane	5.00	4.93		ug/L		99	80 - 120
1,1-Dichloroethane	5.00	4.72		ug/L		94	74 - 120
1,1-Dichloroethene	5.00	4.79		ug/L		96	80 - 131
1,2-Dibromoethane (EDB)	5.00	4.88		ug/L		98	80 - 120
1,2-Dichloroethane	5.00	4.94		ug/L		99	69 - 122
1,2-Dichloropropane	5.00	4.88		ug/L		98	80 - 120
2-Butanone (MEK)	62.5	68.1		ug/L		109	59 - 141
2-Hexanone	62.5	67.6		ug/L		108	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	67.5		ug/L		108	55 - 140
Acetone	62.5	63.7		ug/L		102	60 - 146
Benzene	5.00	4.73		ug/L		95	80 - 120
Bromochloromethane	5.00	5.07		ug/L		101	80 - 120
Bromodichloromethane	5.00	4.78		ug/L		96	73 - 124
Bromoform	5.00	4.58		ug/L		92	49 - 144
Bromomethane	5.00	4.81		ug/L		96	60 - 136
Carbon disulfide	5.00	4.41		ug/L		88	67 - 130
Carbon tetrachloride	5.00	4.60		ug/L		92	64 - 141
Chlorobenzene	5.00	4.85		ug/L		97	80 - 120
Chloroethane	5.00	4.72		ug/L		94	63 - 120
Chloroform	5.00	4.57		ug/L		91	80 - 120
Chloromethane	5.00	4.59		ug/L		92	56 - 124
cis-1,2-Dichloroethene	5.00	4.72		ug/L		94	80 - 122
cis-1,3-Dichloropropene	5.00	4.52		ug/L		90	67 - 121
Dibromochloromethane	5.00	4.90		ug/L		98	64 - 138
Ethylbenzene	5.00	4.68		ug/L		94	80 - 120
Methyl tert-butyl ether	5.00	4.54		ug/L		91	69 - 120
Methylene Chloride	5.00	4.62		ug/L		92	80 - 120
Styrene	5.00	4.83		ug/L		97	80 - 120
Tetrachloroethene	5.00	4.76		ug/L		95	80 - 120
Toluene	5.00	4.74		ug/L		95	80 - 120
trans-1,2-Dichloroethene	5.00	4.60		ug/L		92	80 - 122
trans-1,3-Dichloropropene	5.00	4.67		ug/L		93	61 - 129
Trichloroethene	5.00	4.57		ug/L		91	80 - 120
Vinyl chloride	5.00	4.57		ug/L		91	60 - 125
Xylenes, Total	15.0	14.1		ug/L		94	80 - 120

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

QC Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: LCSD 410-523863/5

Matrix: Water

Analysis Batch: 523863

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	4.92		ug/L		98	71 - 134	1	30
1,1,1-Trichloroethane	5.00	4.77		ug/L		95	78 - 126	2	30
1,1,2,2-Tetrachloroethane	5.00	4.84		ug/L		97	75 - 123	1	30
1,1,2-Trichloroethane	5.00	4.91		ug/L		98	80 - 120	0	30
1,1-Dichloroethane	5.00	4.89		ug/L		98	74 - 120	3	30
1,1-Dichloroethene	5.00	4.73		ug/L		95	80 - 131	1	30
1,2-Dibromoethane (EDB)	5.00	4.91		ug/L		98	80 - 120	1	30
1,2-Dichloroethane	5.00	5.14		ug/L		103	69 - 122	4	30
1,2-Dichloropropane	5.00	4.96		ug/L		99	80 - 120	2	30
2-Butanone (MEK)	62.5	65.2		ug/L		104	59 - 141	4	30
2-Hexanone	62.5	64.3		ug/L		103	52 - 140	5	30
4-Methyl-2-pentanone (MIBK)	62.5	64.7		ug/L		103	55 - 140	4	30
Acetone	62.5	61.3		ug/L		98	60 - 146	4	30
Benzene	5.00	4.78		ug/L		96	80 - 120	1	30
Bromochloromethane	5.00	5.03		ug/L		101	80 - 120	1	30
Bromodichloromethane	5.00	4.78		ug/L		96	73 - 124	0	30
Bromoform	5.00	4.72		ug/L		94	49 - 144	3	30
Bromomethane	5.00	4.78		ug/L		96	60 - 136	1	30
Carbon disulfide	5.00	4.55		ug/L		91	67 - 130	3	30
Carbon tetrachloride	5.00	4.73		ug/L		95	64 - 141	3	30
Chlorobenzene	5.00	4.94		ug/L		99	80 - 120	2	30
Chloroethane	5.00	4.76		ug/L		95	63 - 120	1	30
Chloroform	5.00	4.67		ug/L		93	80 - 120	2	30
Chloromethane	5.00	4.60		ug/L		92	56 - 124	0	30
cis-1,2-Dichloroethene	5.00	4.83		ug/L		97	80 - 122	2	30
cis-1,3-Dichloropropene	5.00	4.53		ug/L		91	67 - 121	0	30
Dibromochloromethane	5.00	4.98		ug/L		100	64 - 138	1	30
Ethylbenzene	5.00	4.85		ug/L		97	80 - 120	3	30
Methyl tert-butyl ether	5.00	4.66		ug/L		93	69 - 120	3	30
Methylene Chloride	5.00	4.66		ug/L		93	80 - 120	1	30
Styrene	5.00	4.91		ug/L		98	80 - 120	2	30
Tetrachloroethene	5.00	4.81		ug/L		96	80 - 120	1	30
Toluene	5.00	4.80		ug/L		96	80 - 120	1	30
trans-1,2-Dichloroethene	5.00	4.72		ug/L		94	80 - 122	2	30
trans-1,3-Dichloropropene	5.00	4.74		ug/L		95	61 - 129	1	30
Trichloroethene	5.00	4.69		ug/L		94	80 - 120	3	30
Vinyl chloride	5.00	4.60		ug/L		92	60 - 125	1	30
Xylenes, Total	15.0	14.4		ug/L		96	80 - 120	2	30

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

QC Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: MB 410-525536/6

Matrix: Water

Analysis Batch: 525536

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			07/08/24 12:46	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 12:46	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/08/24 12:46	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/08/24 12:46	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/08/24 12:46	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 12:46	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/08/24 12:46	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/08/24 12:46	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/08/24 12:46	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/08/24 12:46	1
2-Hexanone	ND		5.0	2.0	ug/L			07/08/24 12:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/08/24 12:46	1
Acetone	ND		5.0	1.5	ug/L			07/08/24 12:46	1
Benzene	ND		0.50	0.10	ug/L			07/08/24 12:46	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/08/24 12:46	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/08/24 12:46	1
Bromoform	ND		1.0	0.30	ug/L			07/08/24 12:46	1
Bromomethane	ND		0.50	0.10	ug/L			07/08/24 12:46	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/08/24 12:46	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/08/24 12:46	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/08/24 12:46	1
Chloroethane	ND		0.50	0.10	ug/L			07/08/24 12:46	1
Chloroform	ND		0.50	0.090	ug/L			07/08/24 12:46	1
Chloromethane	ND		0.50	0.10	ug/L			07/08/24 12:46	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			07/08/24 12:46	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/08/24 12:46	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/08/24 12:46	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/08/24 12:46	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/08/24 12:46	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/08/24 12:46	1
Styrene	ND		0.50	0.070	ug/L			07/08/24 12:46	1
Tetrachloroethene	ND		0.50	0.20	ug/L			07/08/24 12:46	1
Toluene	ND		0.50	0.080	ug/L			07/08/24 12:46	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/08/24 12:46	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/08/24 12:46	1
Trichloroethene	ND		0.50	0.080	ug/L			07/08/24 12:46	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/08/24 12:46	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/08/24 12:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		07/08/24 12:46	1
4-Bromofluorobenzene (Surr)	95		80 - 120		07/08/24 12:46	1
Dibromofluoromethane (Surr)	101		80 - 120		07/08/24 12:46	1
Toluene-d8 (Surr)	99		80 - 120		07/08/24 12:46	1

QC Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: LCS 410-525536/4

Matrix: Water

Analysis Batch: 525536

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	5.01		ug/L		100	71 - 134
1,1,1-Trichloroethane	5.00	4.92		ug/L		98	78 - 126
1,1,2,2-Tetrachloroethane	5.00	4.84		ug/L		97	75 - 123
1,1,2-Trichloroethane	5.00	5.06		ug/L		101	80 - 120
1,1-Dichloroethane	5.00	5.00		ug/L		100	74 - 120
1,1-Dichloroethene	5.00	5.04		ug/L		101	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.08		ug/L		102	80 - 120
1,2-Dichloroethane	5.00	5.11		ug/L		102	69 - 122
1,2-Dichloropropane	5.00	5.05		ug/L		101	80 - 120
2-Butanone (MEK)	62.5	69.3		ug/L		111	59 - 141
2-Hexanone	62.5	68.4		ug/L		109	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	68.0		ug/L		109	55 - 140
Acetone	62.5	63.8		ug/L		102	60 - 146
Benzene	5.00	4.97		ug/L		99	80 - 120
Bromochloromethane	5.00	5.18		ug/L		104	80 - 120
Bromodichloromethane	5.00	5.04		ug/L		101	73 - 124
Bromoform	5.00	4.75		ug/L		95	49 - 144
Bromomethane	5.00	4.43		ug/L		89	60 - 136
Carbon disulfide	5.00	4.87		ug/L		97	67 - 130
Carbon tetrachloride	5.00	4.87		ug/L		97	64 - 141
Chlorobenzene	5.00	5.06		ug/L		101	80 - 120
Chloroethane	5.00	4.49		ug/L		90	63 - 120
Chloroform	5.00	4.79		ug/L		96	80 - 120
Chloromethane	5.00	4.51		ug/L		90	56 - 124
cis-1,2-Dichloroethene	5.00	5.03		ug/L		101	80 - 122
cis-1,3-Dichloropropene	5.00	4.68		ug/L		94	67 - 121
Dibromochloromethane	5.00	5.07		ug/L		101	64 - 138
Ethylbenzene	5.00	4.96		ug/L		99	80 - 120
Methyl tert-butyl ether	5.00	4.77		ug/L		95	69 - 120
Methylene Chloride	5.00	4.85		ug/L		97	80 - 120
Styrene	5.00	5.00		ug/L		100	80 - 120
Tetrachloroethene	5.00	4.93		ug/L		99	80 - 120
Toluene	5.00	5.00		ug/L		100	80 - 120
trans-1,2-Dichloroethene	5.00	4.91		ug/L		98	80 - 122
trans-1,3-Dichloropropene	5.00	4.88		ug/L		98	61 - 129
Trichloroethene	5.00	4.78		ug/L		96	80 - 120
Vinyl chloride	5.00	4.22		ug/L		84	60 - 125
Xylenes, Total	15.0	14.8		ug/L		99	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	101		80 - 120

QC Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-6 MS

Matrix: Water

Analysis Batch: 525536

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	5.38		ug/L		108	71 - 134
1,1,1-Trichloroethane	0.23	J	5.00	5.77		ug/L		111	78 - 126
1,1,2,2-Tetrachloroethane	ND		5.00	5.02		ug/L		100	75 - 123
1,1,2-Trichloroethane	ND		5.00	5.28		ug/L		105	80 - 120
1,1-Dichloroethane	ND		5.00	5.71		ug/L		114	74 - 120
1,1-Dichloroethene	0.15	J	5.00	6.05		ug/L		118	80 - 131
1,2-Dibromoethane (EDB)	ND		5.00	5.14		ug/L		103	80 - 120
1,2-Dichloroethane	ND		5.00	5.39		ug/L		108	69 - 122
1,2-Dichloropropane	ND		5.00	5.54		ug/L		111	80 - 120
2-Butanone (MEK)	ND		62.6	74.7		ug/L		119	59 - 141
2-Hexanone	ND		62.6	76.0		ug/L		121	52 - 140
4-Methyl-2-pentanone (MIBK)	ND		62.6	75.5		ug/L		121	55 - 140
Acetone	ND		62.6	66.4		ug/L		106	60 - 146
Benzene	ND		5.00	5.45		ug/L		109	80 - 120
Bromochloromethane	ND		5.00	5.57		ug/L		111	80 - 120
Bromodichloromethane	ND		5.00	5.31		ug/L		106	73 - 124
Bromoform	ND		5.00	4.82		ug/L		96	49 - 144
Bromomethane	ND		5.00	4.83		ug/L		97	60 - 136
Carbon disulfide	ND		5.00	5.64		ug/L		113	67 - 130
Carbon tetrachloride	ND		5.00	5.70		ug/L		114	64 - 141
Chlorobenzene	ND		5.00	5.50		ug/L		110	80 - 120
Chloroethane	ND		5.00	4.89		ug/L		98	63 - 120
Chloroform	0.22	J	5.00	5.35		ug/L		103	80 - 120
Chloromethane	ND		5.00	4.79		ug/L		96	80 - 120
cis-1,2-Dichloroethene	0.76		5.00	6.21		ug/L		109	80 - 122
cis-1,3-Dichloropropene	ND		5.00	4.83		ug/L		97	67 - 121
Dibromochloromethane	ND		5.00	5.22		ug/L		104	64 - 138
Ethylbenzene	ND		5.00	5.47		ug/L		109	80 - 120
Methyl tert-butyl ether	ND		5.00	4.77		ug/L		95	69 - 120
Methylene Chloride	ND		5.00	5.23		ug/L		105	80 - 120
Styrene	ND		5.00	5.39		ug/L		108	80 - 120
Tetrachloroethene	4.5		5.00	10.0		ug/L		110	80 - 120
Toluene	ND		5.00	5.48		ug/L		110	80 - 120
trans-1,2-Dichloroethene	ND		5.00	5.59		ug/L		112	80 - 122
trans-1,3-Dichloropropene	ND		5.00	4.96		ug/L		99	61 - 129
Trichloroethene	0.97		5.00	6.29		ug/L		106	80 - 120
Vinyl chloride	ND		5.00	4.86		ug/L		97	60 - 125
Xylenes, Total	ND		15.0	16.1		ug/L		107	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	102		80 - 120

QC Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-6 MSD

Matrix: Water

Analysis Batch: 525536

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	5.20		ug/L		104	71 - 134	3	30
1,1,1-Trichloroethane	0.23	J	5.00	5.56		ug/L		107	78 - 126	4	30
1,1,2,2-Tetrachloroethane	ND		5.00	4.89		ug/L		98	75 - 123	3	30
1,1,2-Trichloroethane	ND		5.00	5.16		ug/L		103	80 - 120	2	30
1,1-Dichloroethane	ND		5.00	5.48		ug/L		110	74 - 120	4	30
1,1-Dichloroethene	0.15	J	5.00	5.75		ug/L		112	80 - 131	5	30
1,2-Dibromoethane (EDB)	ND		5.00	5.08		ug/L		101	80 - 120	1	30
1,2-Dichloroethane	ND		5.00	5.32		ug/L		106	69 - 122	1	30
1,2-Dichloropropane	ND		5.00	5.28		ug/L		105	80 - 120	5	30
2-Butanone (MEK)	ND		62.6	68.4		ug/L		109	59 - 141	9	30
2-Hexanone	ND		62.6	68.6		ug/L		110	52 - 140	10	30
4-Methyl-2-pentanone (MIBK)	ND		62.6	69.3		ug/L		111	55 - 140	9	30
Acetone	ND		62.6	61.3		ug/L		98	60 - 146	8	30
Benzene	ND		5.00	5.27		ug/L		105	80 - 120	3	30
Bromochloromethane	ND		5.00	5.37		ug/L		107	80 - 120	4	30
Bromodichloromethane	ND		5.00	5.14		ug/L		103	73 - 124	3	30
Bromoform	ND		5.00	4.64		ug/L		93	49 - 144	4	30
Bromomethane	ND		5.00	4.99		ug/L		100	60 - 136	3	30
Carbon disulfide	ND		5.00	5.40		ug/L		108	67 - 130	4	30
Carbon tetrachloride	ND		5.00	5.44		ug/L		109	64 - 141	5	30
Chlorobenzene	ND		5.00	5.32		ug/L		106	80 - 120	3	30
Chloroethane	ND		5.00	5.02		ug/L		100	63 - 120	3	30
Chloroform	0.22	J	5.00	5.21		ug/L		100	80 - 120	3	30
Chloromethane	ND		5.00	4.91		ug/L		98	80 - 120	2	30
cis-1,2-Dichloroethene	0.76		5.00	6.01		ug/L		105	80 - 122	3	30
cis-1,3-Dichloropropene	ND		5.00	4.69		ug/L		94	67 - 121	3	30
Dibromochloromethane	ND		5.00	5.12		ug/L		102	64 - 138	2	30
Ethylbenzene	ND		5.00	5.27		ug/L		105	80 - 120	4	30
Methyl tert-butyl ether	ND		5.00	4.69		ug/L		94	69 - 120	2	30
Methylene Chloride	ND		5.00	5.09		ug/L		102	80 - 120	3	30
Styrene	ND		5.00	5.17		ug/L		103	80 - 120	4	30
Tetrachloroethene	4.5		5.00	9.80		ug/L		106	80 - 120	2	30
Toluene	ND		5.00	5.29		ug/L		106	80 - 120	4	30
trans-1,2-Dichloroethene	ND		5.00	5.36		ug/L		107	80 - 122	4	30
trans-1,3-Dichloropropene	ND		5.00	4.82		ug/L		96	61 - 129	3	30
Trichloroethene	0.97		5.00	6.07		ug/L		102	80 - 120	4	30
Vinyl chloride	ND		5.00	4.84		ug/L		97	60 - 125	0	30
Xylenes, Total	ND		15.0	15.6		ug/L		104	80 - 120	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	102		80 - 120

QC Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: MB 410-526240/6

Matrix: Water

Analysis Batch: 526240

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			07/09/24 22:12	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/09/24 22:12	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/09/24 22:12	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/09/24 22:12	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/09/24 22:12	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/09/24 22:12	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/09/24 22:12	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/09/24 22:12	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/09/24 22:12	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/09/24 22:12	1
2-Hexanone	ND		5.0	2.0	ug/L			07/09/24 22:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/09/24 22:12	1
Acetone	ND		5.0	1.5	ug/L			07/09/24 22:12	1
Benzene	ND		0.50	0.10	ug/L			07/09/24 22:12	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/09/24 22:12	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/09/24 22:12	1
Bromoform	ND		1.0	0.30	ug/L			07/09/24 22:12	1
Bromomethane	ND		0.50	0.10	ug/L			07/09/24 22:12	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/09/24 22:12	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/09/24 22:12	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/09/24 22:12	1
Chloroethane	ND		0.50	0.10	ug/L			07/09/24 22:12	1
Chloroform	ND		0.50	0.090	ug/L			07/09/24 22:12	1
Chloromethane	ND		0.50	0.10	ug/L			07/09/24 22:12	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			07/09/24 22:12	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/09/24 22:12	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/09/24 22:12	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/09/24 22:12	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/09/24 22:12	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/09/24 22:12	1
Styrene	ND		0.50	0.070	ug/L			07/09/24 22:12	1
Tetrachloroethene	ND		0.50	0.20	ug/L			07/09/24 22:12	1
Toluene	ND		0.50	0.080	ug/L			07/09/24 22:12	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/09/24 22:12	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/09/24 22:12	1
Trichloroethene	ND		0.50	0.080	ug/L			07/09/24 22:12	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/09/24 22:12	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/09/24 22:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		07/09/24 22:12	1
4-Bromofluorobenzene (Surr)	91		80 - 120		07/09/24 22:12	1
Dibromofluoromethane (Surr)	101		80 - 120		07/09/24 22:12	1
Toluene-d8 (Surr)	100		80 - 120		07/09/24 22:12	1

QC Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: LCS 410-526240/4

Matrix: Water

Analysis Batch: 526240

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	5.76		ug/L		115	71 - 134
1,1,1-Trichloroethane	5.00	5.59		ug/L		112	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.99		ug/L		120	75 - 123
1,1,2-Trichloroethane	5.00	5.86		ug/L		117	80 - 120
1,1-Dichloroethane	5.00	5.72		ug/L		114	74 - 120
1,1-Dichloroethene	5.00	5.40		ug/L		108	80 - 131
1,2-Dibromoethane (EDB)	5.00	6.12	*+	ug/L		122	80 - 120
1,2-Dichloroethane	5.00	6.14	*+	ug/L		123	69 - 122
1,2-Dichloropropane	5.00	5.74		ug/L		115	80 - 120
2-Butanone (MEK)	62.5	70.1		ug/L		112	59 - 141
2-Hexanone	62.5	71.6		ug/L		115	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	66.5		ug/L		106	55 - 140
Acetone	62.5	72.1		ug/L		115	60 - 146
Benzene	5.00	5.41		ug/L		108	80 - 120
Bromochloromethane	5.00	5.94		ug/L		119	80 - 120
Bromodichloromethane	5.00	5.87		ug/L		117	73 - 124
Bromoform	5.00	5.96		ug/L		119	49 - 144
Bromomethane	5.00	4.20		ug/L		84	60 - 136
Carbon disulfide	5.00	5.37		ug/L		107	67 - 130
Carbon tetrachloride	5.00	5.65		ug/L		113	64 - 141
Chlorobenzene	5.00	5.53		ug/L		111	80 - 120
Chloroethane	5.00	4.10		ug/L		82	63 - 120
Chloroform	5.00	5.36		ug/L		107	80 - 120
Chloromethane	5.00	4.56		ug/L		91	56 - 124
cis-1,2-Dichloroethene	5.00	5.36		ug/L		107	80 - 122
cis-1,3-Dichloropropene	5.00	5.33		ug/L		107	67 - 121
Dibromochloromethane	5.00	6.15		ug/L		123	64 - 138
Ethylbenzene	5.00	5.56		ug/L		111	80 - 120
Methyl tert-butyl ether	5.00	5.69		ug/L		114	69 - 120
Methylene Chloride	5.00	5.43		ug/L		109	80 - 120
Styrene	5.00	5.91		ug/L		118	80 - 120
Tetrachloroethene	5.00	5.45		ug/L		109	80 - 120
Toluene	5.00	5.40		ug/L		108	80 - 120
trans-1,2-Dichloroethene	5.00	5.29		ug/L		106	80 - 122
trans-1,3-Dichloropropene	5.00	5.65		ug/L		113	61 - 129
Trichloroethene	5.00	5.37		ug/L		107	80 - 120
Vinyl chloride	5.00	4.17		ug/L		83	60 - 125
Xylenes, Total	15.0	16.8		ug/L		112	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	99		80 - 120

QC Association Summary

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

GC/MS VOA

Analysis Batch: 523863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-177855-14	HD-QC1-0/1-2	Total/NA	Water	8260D	
MB 410-523863/7	Method Blank	Total/NA	Water	8260D	
LCS 410-523863/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-523863/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 525536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-177855-1	HD-COD-SW-6-0/1-0	Total/NA	Water	8260D	
410-177855-2	HD-COD-SW-7-0/1-0	Total/NA	Water	8260D	
410-177855-3	HD-COD-SW-8-0/1-0	Total/NA	Water	8260D	
410-177855-4	HD-COD-SW-9-0/1-0	Total/NA	Water	8260D	
410-177855-5	HD-COD-SW-13-0/1-0	Total/NA	Water	8260D	
410-177855-6	HD-COD-SW-15-0/1-0	Total/NA	Water	8260D	
410-177855-7	HD-COD-SW-16-0/1-0	Total/NA	Water	8260D	
410-177855-8	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-177855-9	HD-COD-SW-26-0/1-0	Total/NA	Water	8260D	
410-177855-10	HD-COD-SW-27-0/1-0	Total/NA	Water	8260D	
410-177855-11	HD-COD-SW-28-0/1-0	Total/NA	Water	8260D	
410-177855-12	HD-COD-SW-29-0/1-0	Total/NA	Water	8260D	
410-177855-13	HD-QC1-0/1-1	Total/NA	Water	8260D	
MB 410-525536/6	Method Blank	Total/NA	Water	8260D	
LCS 410-525536/4	Lab Control Sample	Total/NA	Water	8260D	
410-177855-6 MS	HD-COD-SW-15-0/1-0 MS	Total/NA	Water	8260D	
410-177855-6 MSD	HD-COD-SW-15-0/1-0 MSD	Total/NA	Water	8260D	

Analysis Batch: 526240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-177855-8 - DL	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-177855-13 - DL	HD-QC1-0/1-1	Total/NA	Water	8260D	
MB 410-526240/6	Method Blank	Total/NA	Water	8260D	
LCS 410-526240/4	Lab Control Sample	Total/NA	Water	8260D	

Lab Chronicle

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-1

Date Collected: 06/26/24 08:49

Matrix: Water

Date Received: 06/27/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	525536	DVW2	ELLE	07/08/24 13:31

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

Lab Sample ID: 410-177855-2

Date Collected: 06/26/24 10:05

Matrix: Water

Date Received: 06/27/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	525536	DVW2	ELLE	07/08/24 13:54

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

Lab Sample ID: 410-177855-3

Date Collected: 06/26/24 07:28

Matrix: Water

Date Received: 06/27/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	525536	DVW2	ELLE	07/08/24 14:17

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

Lab Sample ID: 410-177855-4

Date Collected: 06/26/24 11:25

Matrix: Water

Date Received: 06/27/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	525536	DVW2	ELLE	07/08/24 14:39

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

Lab Sample ID: 410-177855-5

Date Collected: 06/26/24 07:45

Matrix: Water

Date Received: 06/27/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	525536	DVW2	ELLE	07/08/24 15:02

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

Lab Sample ID: 410-177855-6

Date Collected: 06/26/24 10:30

Matrix: Water

Date Received: 06/27/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	525536	DVW2	ELLE	07/08/24 15:24

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

Lab Sample ID: 410-177855-7

Date Collected: 06/26/24 08:08

Matrix: Water

Date Received: 06/27/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	525536	DVW2	ELLE	07/08/24 16:32

Lab Chronicle

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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

Lab Sample ID: 410-177855-8

Date Collected: 06/26/24 08:20

Matrix: Water

Date Received: 06/27/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	525536	DVW2	ELLE	07/08/24 16:54
Total/NA	Analysis	8260D	DL	10	526240	JS6E	ELLE	07/10/24 00:03

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

Lab Sample ID: 410-177855-9

Date Collected: 06/26/24 09:35

Matrix: Water

Date Received: 06/27/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	525536	DVW2	ELLE	07/08/24 17:17

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

Lab Sample ID: 410-177855-10

Date Collected: 06/26/24 10:20

Matrix: Water

Date Received: 06/27/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	525536	DVW2	ELLE	07/08/24 17:40

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

Lab Sample ID: 410-177855-11

Date Collected: 06/26/24 11:37

Matrix: Water

Date Received: 06/27/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	525536	DVW2	ELLE	07/08/24 18:03

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

Lab Sample ID: 410-177855-12

Date Collected: 06/26/24 07:15

Matrix: Water

Date Received: 06/27/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	525536	DVW2	ELLE	07/08/24 18:25

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

Lab Sample ID: 410-177855-13

Date Collected: 06/26/24 09:00

Matrix: Water

Date Received: 06/27/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	525536	DVW2	ELLE	07/08/24 18:48
Total/NA	Analysis	8260D	DL	10	526240	JS6E	ELLE	07/10/24 00:25

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

Lab Sample ID: 410-177855-14

Date Collected: 06/25/24 00:00

Matrix: Water

Date Received: 06/27/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	523863	DVW2	ELLE	07/02/24 13:17

Lab Chronicle

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-25

Method Summary

Client: Groundwater Sciences Corporation
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

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
Project/Site: fYNOP - Monthly SW Sampling

Job ID: 410-177855-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-177855-1	HD-COD-SW-6-0/1-0	Water	06/26/24 08:49	06/27/24 14:53
410-177855-2	HD-COD-SW-7-0/1-0	Water	06/26/24 10:05	06/27/24 14:53
410-177855-3	HD-COD-SW-8-0/1-0	Water	06/26/24 07:28	06/27/24 14:53
410-177855-4	HD-COD-SW-9-0/1-0	Water	06/26/24 11:25	06/27/24 14:53
410-177855-5	HD-COD-SW-13-0/1-0	Water	06/26/24 07:45	06/27/24 14:53
410-177855-6	HD-COD-SW-15-0/1-0	Water	06/26/24 10:30	06/27/24 14:53
410-177855-7	HD-COD-SW-16-0/1-0	Water	06/26/24 08:08	06/27/24 14:53
410-177855-8	HD-COD-SW-17-0/1-0	Water	06/26/24 08:20	06/27/24 14:53
410-177855-9	HD-COD-SW-26-0/1-0	Water	06/26/24 09:35	06/27/24 14:53
410-177855-10	HD-COD-SW-27-0/1-0	Water	06/26/24 10:20	06/27/24 14:53
410-177855-11	HD-COD-SW-28-0/1-0	Water	06/26/24 11:37	06/27/24 14:53
410-177855-12	HD-COD-SW-29-0/1-0	Water	06/26/24 07:15	06/27/24 14:53
410-177855-13	HD-QC1-0/1-1	Water	06/26/24 09:00	06/27/24 14:53
410-177855-14	HD-QC1-0/1-2	Water	06/25/24 00:00	06/27/24 14:53

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 10193

Analysis Batch Number: 517601

Lab Sample ID: IC 410-517601/3

Client Sample ID:

Date Analyzed: 06/14/24 18:42

Lab File ID: CU14X02.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.58	Baseline	UKEK	06/17/24 19:11
Chlorobenzene-d5 (IS)	10.90	Incomplete Integration	UCB5	06/16/24 13:07
1,4-Dichlorobenzene-d4	12.85	Incomplete Integration	UCB5	06/16/24 13:08

Lab Sample ID: IC 410-517601/4

Client Sample ID:

Date Analyzed: 06/14/24 19:05

Lab File ID: CU14X03.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.57	Baseline	UKEK	06/17/24 19:10
Chlorobenzene-d5 (IS)	10.90	Incomplete Integration	UCB5	06/16/24 13:09
1,4-Dichlorobenzene-d4	12.85	Incomplete Integration	UCB5	06/16/24 13:09

Lab Sample ID: IC 410-517601/5

Client Sample ID:

Date Analyzed: 06/14/24 19:27

Lab File ID: CU14X04.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene-d5 (IS)	10.90	Incomplete Integration	UCB5	06/16/24 13:10
1,4-Dichlorobenzene-d4	12.85	Incomplete Integration	UCB5	06/16/24 13:11

Lab Sample ID: IC 410-517601/6

Client Sample ID:

Date Analyzed: 06/14/24 19:50

Lab File ID: CU14X05.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene-d5 (IS)	10.90	Incomplete Integration	UCB5	06/16/24 13:12
1,4-Dichlorobenzene-d4	12.85	Incomplete Integration	UCB5	06/16/24 13:12

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 10193

Analysis Batch Number: 517601

Lab Sample ID: IC 410-517601/7

Client Sample ID:

Date Analyzed: 06/14/24 20:13

Lab File ID: CU14X06.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene-d4	12.85	Incomplete Integration	UCB5	06/16/24 13:13

Lab Sample ID: IC 410-517601/8

Client Sample ID:

Date Analyzed: 06/14/24 20:35

Lab File ID: CU14X07.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene-d5 (IS)	10.90	Incomplete Integration	UCB5	06/16/24 13:14
1,4-Dichlorobenzene-d4	12.85	Incomplete Integration	UCB5	06/16/24 13:14

Lab Sample ID: IC 410-517601/9

Client Sample ID:

Date Analyzed: 06/14/24 20:58

Lab File ID: CU14X08.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene-d4	12.85	Incomplete Integration	UCB5	06/16/24 13:15

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 10193

Analysis Batch Number: 517601

Lab Sample ID: IC 410-517601/13

Client Sample ID:

Date Analyzed: 06/14/24 22:28

Lab File ID: CU14X12.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.98	Incomplete Integration	UCB5	06/16/24 13:17
1,3-Butadiene	2.08	Incomplete Integration	UCB5	06/16/24 13:18
Dichlorofluoromethane	2.69	Incomplete Integration	UCB5	06/16/24 13:18
Trichlorofluoromethane	2.74	Incomplete Integration	UCB5	06/16/24 13:18
Freon 123a	3.01	Incomplete Integration	UCB5	06/16/24 13:18
Acetone	3.22	Incomplete Integration	UCB5	06/16/24 13:19
Carbon disulfide	3.45	Incomplete Integration	UCB5	06/16/24 13:19
Methylene Chloride	3.77	Incomplete Integration	UCB5	06/16/24 13:19
Ethyl t-butyl ether	5.40	Incomplete Integration	UCB5	06/16/24 13:19
Bromochloromethane	5.99	Incomplete Integration	UCB5	06/16/24 13:20
1,2-Dichloroethane-d4 (Surr)	6.81	Incomplete Integration	UCB5	06/16/24 13:20
1,4-Dioxane	8.18	Incomplete Integration	UCB5	06/16/24 13:21
Chlorobenzene-d5 (IS)	10.90	Incomplete Integration	UCB5	06/16/24 13:22
1,4-Dichlorobenzene-d4	12.85	Incomplete Integration	UCB5	06/16/24 13:22

Lab Sample ID: IC 410-517601/14

Client Sample ID:

Date Analyzed: 06/14/24 22:51

Lab File ID: CU14X13.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.08	Incomplete Integration	UCB5	06/16/24 13:24
Carbon disulfide	3.46	Incomplete Integration	UCB5	06/16/24 13:25
Methyl acetate	3.59	Incomplete Integration	UCB5	06/16/24 13:25
1,1-Dichloropropene	6.57	Incomplete Integration	UCB5	06/16/24 13:27
1,4-Dioxane	8.19	Incomplete Integration	UCB5	06/16/24 13:27

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 10193

Analysis Batch Number: 517601

Lab Sample ID: IC 410-517601/15

Client Sample ID:

Date Analyzed: 06/14/24 23:14

Lab File ID: CU14X14.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	2.74	Incomplete Integration	UCB5	06/16/24 13:29
Carbon disulfide	3.46	Incomplete Integration	UCB5	06/16/24 13:29
1,4-Dioxane	8.21	Incomplete Integration	UCB5	06/16/24 13:31
Toluene	9.44	Incomplete Integration	UCB5	06/16/24 13:32
1,4-Dichlorobenzene-d4	12.85	Incomplete Integration	UCB5	06/16/24 13:33

Lab Sample ID: IC 410-517601/16

Client Sample ID:

Date Analyzed: 06/14/24 23:36

Lab File ID: CU14X15.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.40	Incomplete Integration	UCB5	06/16/24 13:34
Trichlorofluoromethane	2.74	Incomplete Integration	UCB5	06/16/24 13:35
Carbon disulfide	3.46	Incomplete Integration	UCB5	06/16/24 13:36
1,4-Dioxane	8.20	Incomplete Integration	UCB5	06/16/24 13:38

Lab Sample ID: IC 410-517601/17

Client Sample ID:

Date Analyzed: 06/14/24 23:59

Lab File ID: CU14X16.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.20	Baseline	UKEK	06/17/24 19:19
Methyl methacrylate	8.20	Incomplete Integration	UCB5	06/16/24 13:43

Lab Sample ID: ICIS 410-517601/18

Client Sample ID:

Date Analyzed: 06/15/24 00:22

Lab File ID: CU14X17.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.19	Incomplete Integration	DVW2	06/16/24 08:15

8260D

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 10193

Analysis Batch Number: 517601

Lab Sample ID: IC 410-517601/19

Client Sample ID:

Date Analyzed: 06/15/24 00:45

Lab File ID: CU14X18.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.09	Incomplete Integration	UCB5	06/16/24 13:49
Methyl acetate	3.59	Incomplete Integration	UCB5	06/16/24 13:50
t-Butyl alcohol-d10 (IS)	3.80	Baseline	UKEK	06/17/24 19:14
n-Butanol	7.68	Incomplete Integration	UCB5	06/16/24 13:51
1,4-Dioxane	8.20	Missed Peak	UCB5	06/16/24 13:52

Lab Sample ID: ICV 410-517601/21

Client Sample ID:

Date Analyzed: 06/15/24 01:30

Lab File ID: CU14X20.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	3.07	Incomplete Integration	UCB5	06/16/24 14:10
1,4-Dioxane	8.19	Baseline	UKEK	06/17/24 19:20

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 10193

Analysis Batch Number: 523863

Lab Sample ID: CCVIS 410-523863/3

Client Sample ID:

Date Analyzed: 07/02/24 11:00

Lab File ID: CL02X02.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.45	Incomplete Integration	N7YK	07/02/24 11:29
1,4-Dioxane	8.19	Incomplete Integration	N7YK	07/02/24 11:30

Lab Sample ID: LCS 410-523863/4

Client Sample ID:

Date Analyzed: 07/02/24 11:23

Lab File ID: CL02X03.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.46	Incomplete Integration	N7YK	07/02/24 12:05

Lab Sample ID: MB 410-523863/7

Client Sample ID:

Date Analyzed: 07/02/24 12:31

Lab File ID: CL02X06.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	3.79	Incomplete Integration	N7YK	07/02/24 13:07
Carbon disulfide		Incomplete Integration	N7YK	07/02/24 13:06

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 10193

Analysis Batch Number: 525536

Lab Sample ID: CCVIS 410-525536/3

Client Sample ID:

Date Analyzed: 07/08/24 11:39

Lab File ID: CL08X02.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.12	Incomplete Integration	N7YK	07/08/24 12:03
Carbon disulfide	3.46	Incomplete Integration	N7YK	07/08/24 12:05
1,4-Dioxane	8.19	Incomplete Integration	N7YK	07/08/24 12:06

Lab Sample ID: LCS 410-525536/4

Client Sample ID:

Date Analyzed: 07/08/24 12:01

Lab File ID: CL08X03.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.46	Incomplete Integration	N7YK	07/08/24 12:29

Lab Sample ID: MB 410-525536/6

Client Sample ID:

Date Analyzed: 07/08/24 12:46

Lab File ID: CL08X05.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.52	Incomplete Integration	N7YK	07/08/24 14:17

Lab Sample ID: 410-177855-1

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

Date Analyzed: 07/08/24 13:31

Lab File ID: CL08X07.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzene	6.85	Incomplete Integration	FQ4L	07/09/24 11:08
Trichloroethene	7.75	Incomplete Integration	FQ4L	07/09/24 11:07

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 10193

Analysis Batch Number: 525536

Lab Sample ID: 410-177855-2

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

Date Analyzed: 07/08/24 13:54

Lab File ID: CL08X08.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.66	Incomplete Integration	FQ4L	07/09/24 11:08

Lab Sample ID: 410-177855-3

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

Date Analyzed: 07/08/24 14:17

Lab File ID: CL08X09.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroform	6.13	Incomplete Integration	FQ4L	07/09/24 11:29
1,1,1-Trichloroethane		Invalid Compound ID	FQ4L	07/09/24 11:34

Lab Sample ID: 410-177855-5

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

Date Analyzed: 07/08/24 15:02

Lab File ID: CL08X11.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethane	4.81	Incomplete Integration	FQ4L	07/09/24 11:36

Lab Sample ID: 410-177855-6

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

Date Analyzed: 07/08/24 15:24

Lab File ID: CL08X12.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone		Invalid Compound ID	FQ4L	07/09/24 11:37

Lab Sample ID: 410-177855-6 MS

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

Date Analyzed: 07/08/24 15:46

Lab File ID: CL08X13.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.45	Incomplete Integration	FQ4L	07/09/24 11:39

8260D

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 10193

Analysis Batch Number: 525536

Lab Sample ID: 410-177855-6 MSD

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

Date Analyzed: 07/08/24 16:09

Lab File ID: CL08X14.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.45	Incomplete Integration	FQ4L	07/09/24 11:42

Lab Sample ID: 410-177855-7

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

Date Analyzed: 07/08/24 16:32

Lab File ID: CL08X15.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroform	6.13	Split Peak	FQ4L	07/09/24 11:44

Lab Sample ID: 410-177855-8

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

Date Analyzed: 07/08/24 16:54

Lab File ID: CL08X16.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
trans-1,2-Dichloroethene	4.14	Split Peak	FQ4L	07/09/24 11:45
Carbon tetrachloride	6.59	Split Peak	FQ4L	07/09/24 11:46
1,1,2-Trichloroethane		Invalid Compound ID	FQ4L	07/09/24 11:46
Chlorobenzene	10.93	Split Peak	FQ4L	07/09/24 11:47

Lab Sample ID: 410-177855-11

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

Date Analyzed: 07/08/24 18:03

Lab File ID: CL08X19.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzene	6.85	Split Peak	FQ4L	07/09/24 11:49

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 10193

Analysis Batch Number: 525536

Lab Sample ID: 410-177855-13

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

Date Analyzed: 07/08/24 18:48

Lab File ID: CL08X21.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
trans-1,2-Dichloroethene	4.15	Split Peak	FQ4L	07/09/24 11:52
Carbon tetrachloride	6.57	Invalid Compound ID	FQ4L	07/09/24 11:52
Chlorobenzene	10.92	Split Peak	FQ4L	07/09/24 11:52

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 518132

Lab Sample ID: IC 410-518132/3

Client Sample ID:

Date Analyzed: 06/14/24 18:40

Lab File ID: GU14X02.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl acetate	5.94	Incomplete Integration	UCB5	06/16/24 09:12
2-Chloroethyl vinyl ether	8.99	Incomplete Integration	UCB5	06/16/24 09:12

Lab Sample ID: IC 410-518132/4

Client Sample ID:

Date Analyzed: 06/14/24 19:02

Lab File ID: GU14X03.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.76	Incomplete Integration	UCB5	06/16/24 09:13
Ethyl acetate	5.92	Incomplete Integration	UCB5	06/16/24 09:13

Lab Sample ID: IC 410-518132/5

Client Sample ID:

Date Analyzed: 06/14/24 19:24

Lab File ID: GU14X04.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxymethane	1.92	Baseline	UCB5	06/16/24 09:16
t-Butyl alcohol-d10 (IS)	3.97	Incomplete Integration	UCB5	06/16/24 09:16
Ethyl acetate	5.92	Incomplete Integration	UCB5	06/16/24 09:16

Lab Sample ID: IC 410-518132/6

Client Sample ID:

Date Analyzed: 06/14/24 19:46

Lab File ID: GU14X05.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxymethane	1.92	Baseline	UCB5	06/16/24 09:17
t-Butyl alcohol-d10 (IS)	3.97	Incomplete Integration	UCB5	06/16/24 09:18

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 518132

Lab Sample ID: IC 410-518132/7

Client Sample ID:

Date Analyzed: 06/14/24 20:09

Lab File ID: GU14X06.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	3.97	Incomplete Integration	UCB5	06/16/24 09:19

Lab Sample ID: IC 410-518132/8

Client Sample ID:

Date Analyzed: 06/14/24 20:31

Lab File ID: GU14X07.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxymethane	1.92	Baseline	UCB5	06/16/24 09:20
t-Butyl alcohol-d10 (IS)	3.98	Incomplete Integration	UCB5	06/16/24 09:20

Lab Sample ID: IC 410-518132/9

Client Sample ID:

Date Analyzed: 06/14/24 20:55

Lab File ID: GU14X08.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	3.98	Incomplete Integration	UCB5	06/16/24 09:22

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 518132

Lab Sample ID: IC 410-518132/13

Client Sample ID:

Date Analyzed: 06/14/24 22:22

Lab File ID: GU14X12.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.15	Incomplete Integration	UCB5	06/16/24 09:35
Bromomethane	2.49	Incomplete Integration	UCB5	06/16/24 09:23
Dichlorofluoromethane	2.75	Incomplete Integration	UCB5	06/16/24 09:23
Ethyl ether	3.05	Incomplete Integration	UCB5	06/16/24 09:23
Acrolein	3.21	Incomplete Integration	UCB5	06/16/24 09:23
Carbon disulfide	3.61	Incomplete Integration	UCB5	06/16/24 09:36
Ethyl t-butyl ether	5.62	Incomplete Integration	UCB5	06/16/24 09:24
Carbon tetrachloride	6.78	Incomplete Integration	UCB5	06/16/24 09:24
1,2-Dichloroethane	7.11	Incomplete Integration	UCB5	06/16/24 09:25
t-Amyl methyl ether	7.24	Incomplete Integration	UCB5	06/16/24 09:25
1,4-Dioxane	8.37	Incomplete Integration	UCB5	06/16/24 10:16
trans-1,3-Dichloropropene	9.84	Incomplete Integration	UCB5	06/16/24 09:25
n-Butanol		Invalid Compound ID	UCB5	06/16/24 09:25
Styrene	11.55	Incomplete Integration	UCB5	06/16/24 09:26
1,1,2,2-Tetrachloroethane	12.08	Incomplete Integration	UCB5	06/16/24 09:26
N-Propylbenzene	12.16	Baseline	UCB5	06/16/24 09:27
1,3,5-Trichlorobenzene	13.81	Incomplete Integration	UCB5	06/16/24 09:40
1,2,4-Trichlorobenzene	14.25	Incomplete Integration	UCB5	06/16/24 09:40
Naphthalene	14.43	Incomplete Integration	UCB5	06/16/24 09:28

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 518132

Lab Sample ID: IC 410-518132/14

Client Sample ID:

Date Analyzed: 06/14/24 22:44

Lab File ID: GU14X13.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	2.06	Baseline	UCB5	06/16/24 09:29
1,3-Butadiene	2.15	Incomplete Integration	UCB5	06/16/24 09:43
Bromomethane	2.50	Incomplete Integration	UCB5	06/16/24 09:43
Dichlorofluoromethane	2.75	Incomplete Integration	UCB5	06/16/24 09:43
Acrolein	3.22	Incomplete Integration	UCB5	06/16/24 09:43
Acetone	3.36	Incomplete Integration	UCB5	06/16/24 09:44
Carbon disulfide	3.61	Incomplete Integration	UCB5	06/16/24 09:45
t-Butyl alcohol	4.11	Incomplete Integration	UCB5	06/16/24 09:45
1,1-Dichloropropene	6.76	Incomplete Integration	UCB5	06/16/24 09:46
1,4-Dioxane	8.36	Incomplete Integration	UCB5	06/16/24 10:16
Styrene	11.55	Incomplete Integration	UCB5	06/16/24 09:48
1,2-Dibromo-3-Chloropropane	13.69	Incomplete Integration	UCB5	06/16/24 09:49
1,3,5-Trichlorobenzene	13.80	Incomplete Integration	UCB5	06/16/24 09:49
Naphthalene	14.41	Incomplete Integration	UCB5	06/16/24 09:49

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 518132

Lab Sample ID: IC 410-518132/15

Client Sample ID:

Date Analyzed: 06/14/24 23:06

Lab File ID: GU14X14.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.15	Incomplete Integration	UCB5	06/16/24 09:50
Vinyl chloride	2.17	Incomplete Integration	UCB5	06/16/24 09:50
Bromomethane	2.50	Incomplete Integration	UCB5	06/16/24 10:00
Dichlorofluoromethane	2.76	Incomplete Integration	UCB5	06/16/24 10:01
Acetone	3.37	Incomplete Integration	UCB5	06/16/24 10:01
trans-1,2-Dichloroethene	4.35	Incomplete Integration	UCB5	06/16/24 10:02
1,1-Dichloroethane	5.01	Incomplete Integration	UCB5	06/16/24 10:02
Propionitrile	5.93	Incomplete Integration	UCB5	06/16/24 10:03
Bromochloromethane	6.17	Incomplete Integration	UCB5	06/16/24 10:04
1,4-Dioxane	8.37	Incomplete Integration	UCB5	06/16/24 10:16

Lab Sample ID: IC 410-518132/16

Client Sample ID:

Date Analyzed: 06/14/24 23:28

Lab File ID: GU14X15.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.48	Incomplete Integration	UCB5	06/16/24 10:11
Propionitrile	5.92	Incomplete Integration	UCB5	06/16/24 10:13
1,4-Dioxane	8.35	Incomplete Integration	UCB5	06/16/24 10:14

Lab Sample ID: IC 410-518132/17

Client Sample ID:

Date Analyzed: 06/14/24 23:50

Lab File ID: GU14X16.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.49	Incomplete Integration	UCB5	06/16/24 10:17
1,4-Dioxane	8.35	Incomplete Integration	UCB5	06/16/24 10:20

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 518132

Lab Sample ID: ICIS 410-518132/18

Client Sample ID:

Date Analyzed: 06/15/24 00:12

Lab File ID: GU14X17.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.48	Incomplete Integration	UCB5	06/16/24 10:22
Dichlorofluoromethane	2.75	Incomplete Integration	UCB5	06/16/24 10:23
1,4-Dioxane	8.35	Wrong peak	UCB5	06/16/24 10:26

Lab Sample ID: IC 410-518132/19

Client Sample ID:

Date Analyzed: 06/15/24 00:34

Lab File ID: GU14X18.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.48	Incomplete Integration	UCB5	06/16/24 10:28
Dichlorofluoromethane	2.74	Incomplete Integration	UCB5	06/16/24 10:29
Acetone	3.36	Incomplete Integration	UCB5	06/16/24 10:29
1,4-Dioxane	8.35	Incomplete Integration	UCB5	06/16/24 10:30

Lab Sample ID: ICV 410-518132/21

Client Sample ID:

Date Analyzed: 06/15/24 01:18

Lab File ID: GU14X20.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.50	Incomplete Integration	UCB5	06/16/24 11:57
Dichlorofluoromethane	2.75	Incomplete Integration	UCB5	06/16/24 11:58
Acrolein	3.21	Incomplete Integration	UCB5	06/16/24 12:04
1,4-Dioxane	8.35	Wrong peak	UCB5	06/16/24 12:02

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 526240

Lab Sample ID: CCVIS 410-526240/3

Client Sample ID:

Date Analyzed: 07/09/24 21:06

Lab File ID: GL09X32.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.14	Incomplete Integration	JS6E	07/09/24 21:51
Carbon disulfide	3.60	Incomplete Integration	JS6E	07/09/24 21:51
1,4-Dioxane	8.35	Incomplete Integration	JS6E	07/09/24 21:52

Lab Sample ID: LCS 410-526240/4

Client Sample ID:

Date Analyzed: 07/09/24 21:28

Lab File ID: GL09X33.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.61	Incomplete Integration	JS6E	07/09/24 21:59

Lab Sample ID: MB 410-526240/6

Client Sample ID:

Date Analyzed: 07/09/24 22:12

Lab File ID: GL09X35.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.63	Incomplete Integration	JS6E	07/09/24 22:39

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-177855-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_CCV_CYC_00008	07/15/24	01/15/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00011	8.605 mL	Cyclohexanone	6249.81 ug/mL
.MSV_VCYC_STK_00011	07/15/24	01/15/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00009	1.4526 g	Cyclohexanone	145260 ug/mL
..MSV_CYC_00009	06/30/27		Chem Service, Lot 14568900		(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_V5ACE_00037	07/10/24	06/10/24	Methanol, Lot EH822	10 mL	MSV_AcetatesV_00067	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00067	07/10/24		Restek, Lot A0197847		(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Ethyl acetate	10000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_DME_00055	06/15/24		Restek, Lot A0190883		(Purchased Reagent)		Dimethyl ether	1000 ug/mL
MSV_HP25_ISO_00009	08/14/24	02/19/24	Methanol, Lot EG095	10 mL	MSV_Cus826_IS_00657	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_Cus826_IS_00657	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP25_ISO_00010	12/11/24	06/14/24	Methanol, Lot EH822	10 mL	MSV_Cus826_IS_00775	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_00775	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP25_ISSS_00084	08/14/24	02/14/24	Methanol, Lot EG095	10 mL	MSV_8260_SS_01147	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
					MSV_Cus826_IS_00657	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_8260_SS_01147	10/31/28		Restek, Lot A0203162		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00657	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_HP25_ISSS_00090	12/11/24	06/11/24	Methanol, Lot EH822	10 mL	MSV_8260_SS_01217	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
					MSV_Cus826_IS_00775	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
.MSV_8260_SS_01217	01/31/29	Restek, Lot A0206374	(Purchased Reagent)	1,2-Dichloroethane-d4 (Surr)	2500 ug/mL			
				4-Bromofluorobenzene (Surr)	2500 ug/mL			
				Dibromofluoromethane (Surr)	2500 ug/mL			
				Toluene-d8 (Surr)	2500 ug/mL			
.MSV_Cus826_IS_00775	04/30/26	Restek, Lot A0197488	(Purchased Reagent)	1,4-Dichlorobenzene-d4	2500 ug/mL			
				Chlorobenzene-d5 (IS)	2500 ug/mL			
				Fluorobenzene (IS)	2500 ug/mL			
				t-Butyl alcohol-d10 (IS)	12500 ug/mL			
MSV_HP25_ISSS_00091	12/21/24	06/21/24	Methanol, Lot EH822	10 mL	MSV_Cus826_IS_00796	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_00796	04/30/26
Chlorobenzene-d5 (IS)	2500 ug/mL							
Fluorobenzene (IS)	2500 ug/mL							
t-Butyl alcohol-d10 (IS)	12500 ug/mL							
MSV_HP25_ISSS_00091	12/21/24	06/21/24	Methanol, Lot EH822	10 mL	MSV_8260_SS_01226	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_01226	01/31/29
4-Bromofluorobenzene (Surr)	2500 ug/mL							
Dibromofluoromethane (Surr)	2500 ug/mL							
Toluene-d8 (Surr)	2500 ug/mL							
MSV_HP25_ISSS_00092	01/07/25	07/07/24	Methanol, Lot EH822	10 mL	MSV_Cus826_IS_00769	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_00769	04/30/26
Chlorobenzene-d5 (IS)	2500 ug/mL							
Fluorobenzene (IS)	2500 ug/mL							
t-Butyl alcohol-d10 (IS)	12500 ug/mL							
MSV_HP25_ISSS_00092	01/07/25	07/07/24	Methanol, Lot EH822	10 mL	MSV_8260_SS_01235	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_01235	01/31/29
4-Bromofluorobenzene (Surr)	2500 ug/mL							

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MSV_LCS_VOC#1_00171	07/09/24	06/09/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00200	1 mL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,2-Dibromoethane (EDB)	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							Benzene	40 ug/mL
							Bromochloromethane	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromochloromethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Methylene Chloride	40 ug/mL
							Styrene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00207	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00188	1 mL	2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
.MSV_M_MIX1SEC_00200	06/30/26	Restek, Lot A0198667			(Purchased Reagent)	1,1,1,2-Tetrachloroethane	1000 ug/mL	
						1,1,1-Trichloroethane	1000 ug/mL	
						1,1,2,2-Tetrachloroethane	1000 ug/mL	
						1,1,2-Trichloroethane	1000 ug/mL	
						1,1-Dichloroethane	1000 ug/mL	
						1,1-Dichloroethene	1000 ug/mL	
						1,2-Dibromoethane (EDB)	1000 ug/mL	
						1,2-Dichloroethane	1000 ug/mL	
						1,2-Dichloropropane	1000 ug/mL	
						Benzene	1000 ug/mL	
						Bromochloromethane	1000 ug/mL	

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00207	04/30/26		Restek, Lot A0197573		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00188	02/28/26		Restek, Lot A0194631		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00174	07/30/24	06/30/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00208	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00210	1 mL	Carbon disulfide	40 ug/mL
					MSV_Q_Ketones_00190	1 mL	Methyl tert-butyl ether	40 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_M_MIX1SEC_00208	06/30/26	Restek, Lot A0198667			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00210	04/30/26	Restek, Lot A0197573			(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00190	04/30/25	Restek, Lot A0194631			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00175	08/06/24	07/07/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00207	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00211	1 mL	Carbon disulfide	40 ug/mL
					MSV_Q_Ketones_00191	1 mL	Methyl tert-butyl ether	40 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_M_MIX1SEC_00207	06/30/26	Restek, Lot A0198667			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	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_00211	04/30/26		Restek, Lot A0197573		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00191	04/30/25		Restek, Lot A0194631		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LL_#1_826_00133	06/17/24	06/10/24	Methanol, Lot EH822	1 mL	MSV_CCV_VOC#1_00187	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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-trifluor oethane	50 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							2-Nitropropane	250 ug/mL
							3-Chloro-1-propene	50 ug/mL
							Acrylonitrile	125 ug/mL
							Benzyl chloride	50 ug/mL
							Carbon disulfide	50 ug/mL
							Cyclohexane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl acetate	50 ug/mL
							Methyl methacrylate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
					MSV_CCV_VOC#3_00183	200 uL	trans-1,4-Dichloro-2-butene	500 ug/mL
							Acrolein	2505.5 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_00241	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
.MSV_CCV_VOC#1_00187	07/09/24	06/09/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00178	1 mL	trans-1,4-Dichloro-2-butene	500 ug/mL
							1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
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Job No.: 410-177855-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							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_00184	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00178	07/09/24	Restek, Lot A0197556			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
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Job No.: 410-177855-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00184	07/09/24		Restek, Lot A0197578		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00183	06/17/24	06/09/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00017	0.5 mL	Acrolein	12527.5 ug/mL
					MSV_V_Ketones_00167	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_00017	06/17/24	04/18/24	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00039	9.125 mL	Acrolein	125275 ug/mL
...MSV_VACR_STK_00039	06/17/24	04/18/24	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00033	1.4778 g	Acrolein	137288 ug/mL
...MSV_ACROLEIN_00033	01/31/25		Chem Service, Lot 15004000		(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00167	01/31/26		Restek, Lot A0193494		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MSV_V_VOA2_00241	07/02/24	06/02/24	Methanol, Lot EH471	5 mL	MSV_V#2B_00378	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_00378	05/31/25		Restek, Lot A0197599		(Purchased Reagent)		1,4-Dioxane	62500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Methacrylonitrile	12500 ug/mL
							n-Butanol	125000 ug/mL
							Propionitrile	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_LL_#1_826_00135	07/23/24	06/23/24	Methanol, Lot EH822	1 mL	MSV_CCV_VOC#1_00189	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00185	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_00189	07/23/24	06/23/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00185	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00180	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
					..MSV_MegaMIX#1_00185	07/23/24		Restek, Lot A0197556
1,1,1-Trichloroethane	5000 ug/mL							
1,1,2,2-Tetrachloroethane	5000 ug/mL							

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	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_00180	07/23/24	Restek, Lot A0197578			(Purchased Reagent)		Carbon disulfide	5000 ug/mL
.MSV_CCV_VOC#3_00185	07/23/24	06/23/24	Methanol, Lot EH471	5 mL	MSV_V_Ketones_00169	1 mL	Methyl tert-butyl ether	5000 ug/mL
							2-Butanone (MEK)	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone (MIBK)	2500 ug/mL
..MSV_V_Ketones_00169	01/31/26	Restek, Lot A0193494			(Purchased Reagent)		Acetone	2500 ug/mL
							2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LL_#2_826_00140	06/18/24	06/02/24	Methanol, Lot EH822	1 mL	CCV_ETBR_00007	50 uL	Ethyl bromide	50.085 ug/mL
					MSV_BCE_00067	25 uL	1-Bromo-2-chloroethane	50 ug/mL
					MSV_CCV_EE_00007	50 uL	Ethyl ether	49.9948 ug/mL
					MSV_V_PentaCL_00048	10 uL	Pentachloroethane	50 ug/mL
.CCV_ETBR_00007	11/08/24	05/08/24	Methanol, Lot EH471	10 mL	MSV_VETBR_STK_00016	0.212 mL	Ethyl bromide	1001.7 ug/mL
..MSV_VETBR_STK_00016	11/08/24	05/08/24	Methanol, Lot EH471	10 mL	MSV_EtBr_00009	0.4725 g	Ethyl bromide	47250 ug/mL
...MSV_EtBr_00009	06/30/25	Chem Service, Lot 13345600			(Purchased Reagent)		Ethyl bromide	1 g/g
.MSV_BCE_00067	06/18/24	Restek, Lot A0201612			(Purchased Reagent)		1-Bromo-2-chloroethane	2000 ug/mL
.MSV_CCV_EE_00007	11/07/24	05/07/24	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00014	0.917 mL	Ethyl ether	999.897 ug/mL
..MSV_EE_MISCSK_00014	11/07/24	05/07/24	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00011	0.5452 g	Ethyl ether	54520 ug/mL
...MSV_EE_Neat_00011	06/30/27	Chem Service, Lot 14084700			(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_V_PentaCL_00048	06/27/24	Restek, Lot A0184174			(Purchased Reagent)		Pentachloroethane	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_LL_GAS826_00214	06/17/24	06/10/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00796	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
.MSV_CCV_GASES_00796	06/17/24		Restek, Lot A0198362		(Purchased Reagent)		Vinyl chloride	50 ug/mL
							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
MSV_LL_GAS826_00217	07/05/24	06/30/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00804	25 uL	Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
							Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
.MSV_CCV_GASES_00804	07/05/24		Restek, Lot A0212054		(Purchased Reagent)		Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
							Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
MSV_LL_GAS826_00218	07/12/24	07/07/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00797	25 uL	Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
							Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
.MSV_CCV_GASES_00797	07/12/24		Restek, Lot A0212054		(Purchased Reagent)		Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
							Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
MSV_QC_Gas826_00201	06/16/24	06/10/24	Methanol, Lot EH822	1 mL	MSV_QC_2K_GAS_00160	20 uL	Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
							Chloroethane	40 ug/mL
							Bromomethane	40 ug/mL
.MSV_QC_2K_GAS_00160	06/16/24		Restek, Lot A0184924		(Purchased Reagent)		Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
							Chloroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
MSV_QC_Gas826_00204	07/07/24	06/30/24	Methanol, Lot EH822	1 mL	MSV_QC_2K_GAS_00222	20 uL	Bromomethane	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00222	07/07/24		Restek, Lot A0184924		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00205	07/14/24	07/08/24	Methanol, Lot EH822	1 mL	MSV_QC_2K_GAS_00223	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00223	07/14/24		Restek, Lot A0184924		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_V_BFB_00017							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
.MSV_VBFB_STK_00012	12/02/24	06/02/24	Methanol, Lot EH471	10 mL	MSV_VBFB_STK_00012	0.09 mL	BFB	501120 ug/mL
.MSV_VBFB_STK_00012	12/02/24	06/02/24	Methanol, Lot EH471	10 mL	MSV_4BFB_NEAT_00011	13920 g	BFB	1392000000 ug/mL
..MSV_4BFB_NEAT_00011	05/31/25		Chem Service, Lot 15267000		(Purchased Reagent)		BFB	1 g/g
MSV_V_SMRV4_00071	06/18/24	05/20/24	Methanol, Lot EH822	1 mL	MSV_CCV_2CEVE_00176	200 uL	2-Chloroethyl vinyl ether	200 ug/mL
					MSV_CCV_LKB_00009	400 uL	cis-1,4-Dichloro-2-butene	400.14 ug/mL
					MSV_V_SMFreon_00039	100 uL	Chlorodifluoromethane	200 ug/mL
.MSV_CCV_2CEVE_00176	06/18/24	05/19/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00184	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00184	04/30/26		Restek, Lot A0197472		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_LKB_00009	06/19/24	12/21/23	Methanol, Lot EG095	50 mL	MSV_Vc14d_STK_00010	0.81 mL	cis-1,4-Dichloro-2-butene	1000.35 ug/mL
..MSV_Vc14d_STK_00010	06/19/24	12/19/23	Methanol, Lot EG095	10 mL	MSV_c14dcb_Nt_00004	0.65 g	cis-1,4-Dichloro-2-butene	61750 ug/mL
...MSV_c14dcb_Nt_00004	08/16/27		Aldrich, Lot SHBH4584V		(Purchased Reagent)		cis-1,4-Dichloro-2-butene	0.95 g/g
.MSV_V_SMFreon_00039	06/19/24		Restek, Lot A0184508		(Purchased Reagent)		Chlorodifluoromethane	2000 ug/mL

Reagent

MSV_AcetatesV_00067



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577489 **Lot No.:** A0197847

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 : November 30, 2024 **Storage:** -20°C or colder

Ship: On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetonitrile	75-05-8	62904	99%	50,466.0 µg/mL	+/- 825.2159
2	Vinyl acetate	108-05-4	RD220630	99%	10,082.0 µg/mL	+/- 164.9082
3	Ethyl acetate	141-78-6	SHBP9289	99%	10,088.0 µg/mL	+/- 165.0064
4	Isopropyl acetate	108-21-4	BCCG7069	99%	10,090.0 µg/mL	+/- 165.0391
5	Propyl acetate	109-60-4	Q4GIJ	99%	10,100.0 µg/mL	+/- 165.2027
6	Butyl acetate	123-86-4	SHBP6314	99%	10,094.0 µg/mL	+/- 165.1045

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

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.

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

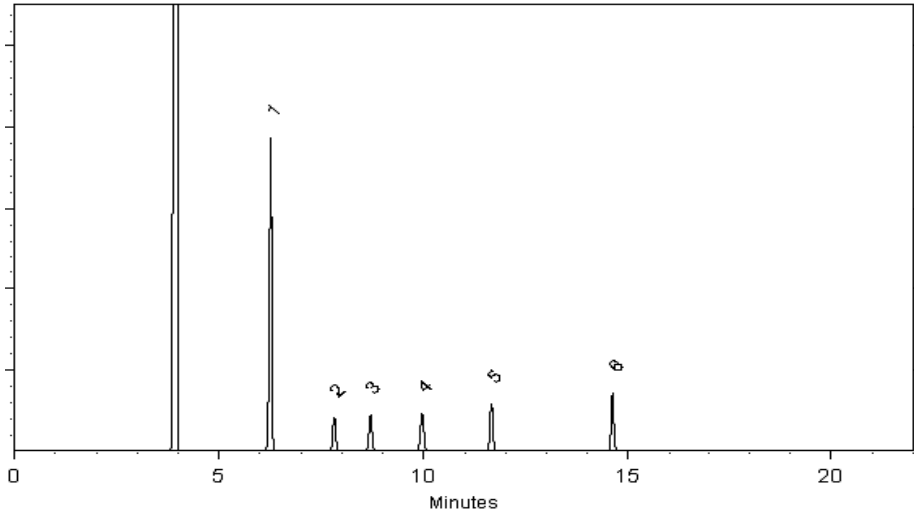
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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


Brittany Federinko - Operations Tech I

Date Mixed: 09-May-2023 Balance Serial # B251644995


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_BCE_00067



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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : 1-Bromo-2-chloroethane Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-2-chloroethane	107-04-0	BCCC1146	99%	2,004.0 µg/mL	+/- 112.6024

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

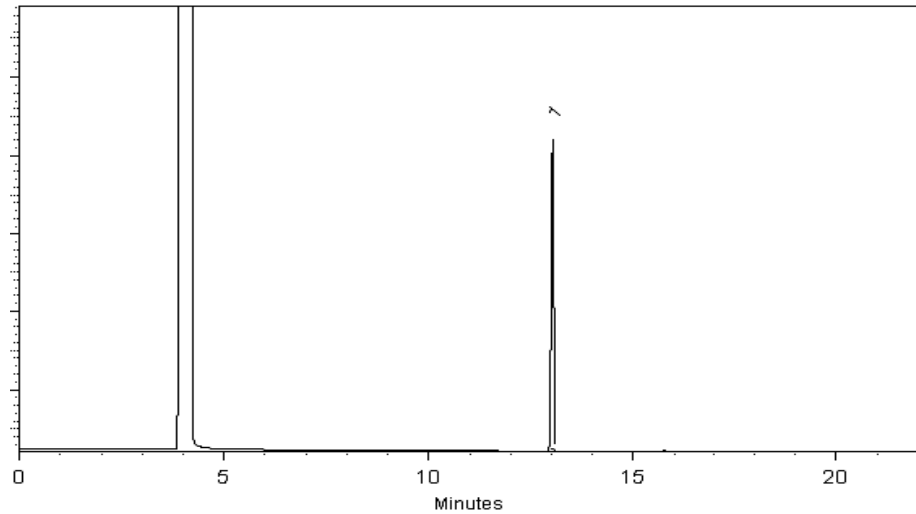
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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

Morgan Craighead - Mix Technician

Date Mixed: 31-Aug-2023

Balance Serial # 1128342314

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Sep-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_c14dcb_Nt_00004

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Certificate of Analysis

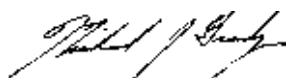
Product Name:

cis-1,4-Dichloro-2-butene - 95%

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



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



Michael Grady, Manager
Quality Control
Sheboygan Falls, WI US

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

Reagent

MSV_Cus826_IS_00769



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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom 8260A IS Mix
Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,587.5 µg/mL	+/- 156.5745
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,510.5 µg/mL	+/- 31.2436
3	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,507.0 µg/mL	+/- 31.2001
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,515.0 µg/mL	+/- 31.2996

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

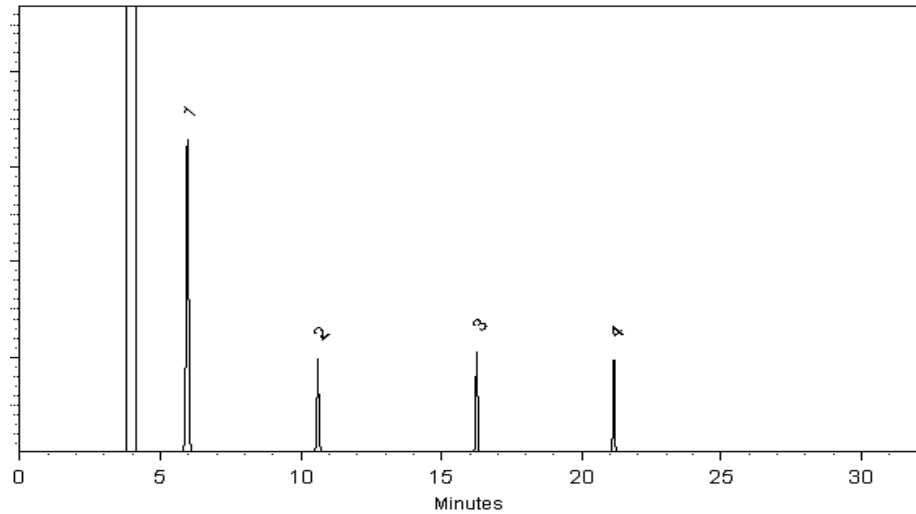
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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


Daniel Wasson - Operations Tech I

Date Mixed: 26-Apr-2023

Balance Serial # 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Cus826_IS_00775



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom 8260A IS Mix
Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,587.5 µg/mL	+/- 156.5745
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,510.5 µg/mL	+/- 31.2436
3	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,507.0 µg/mL	+/- 31.2001
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,515.0 µg/mL	+/- 31.2996

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

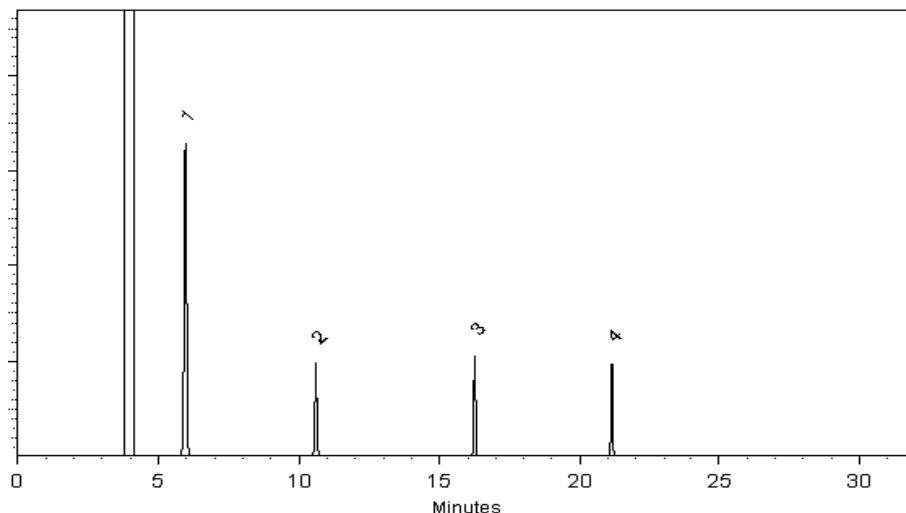
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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


Daniel Wasson - Operations Tech I

Date Mixed: 26-Apr-2023

Balance Serial # 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Cus826_IS_00796



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom 8260A IS Mix
Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,587.5 µg/mL	+/- 156.5745
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,510.5 µg/mL	+/- 31.2436
3	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,507.0 µg/mL	+/- 31.2001
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,515.0 µg/mL	+/- 31.2996

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

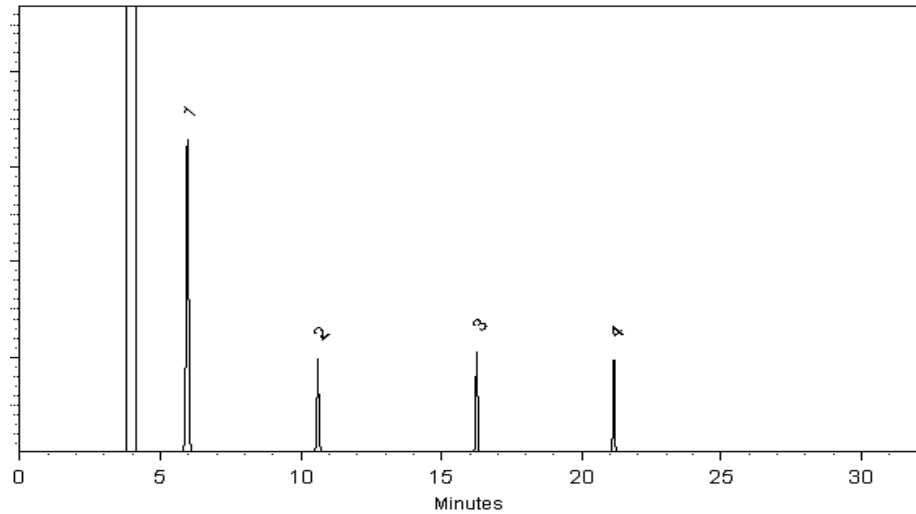
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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


Daniel Wasson - Operations Tech I

Date Mixed: 26-Apr-2023

Balance Serial # 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_DME_00055



110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

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

Description : Custom Dimethyl Ether Standard

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

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

Expiration Date : October 31, 2024 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Methyl ether (dimethyl ether)	1,000.4 µg/mL	+/- 8.2332 µg/mL Gravimetric
	CAS # 115-10-6 (Lot 00021629)		+/- 22.1970 µg/mL Unstressed
	Purity 98%		+/- 22.7984 µg/mL Stressed

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

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

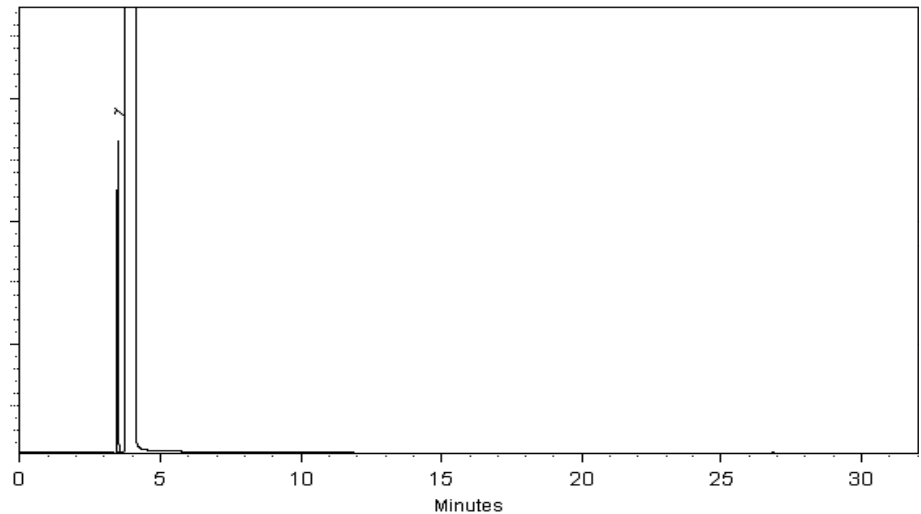
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Cathleen Soltis
Cathleen Soltis - Mix Technician

Date Mixed: 24-Oct-2022 Balance: B707717271

Christie Mills
Christie Mills - Operations Tech II - ARM QC

Date Passed: 01-Nov-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

- k* is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
 - Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX1SEC_00200



110 Benner Circle
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Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom VOC MegaMix®.SEC #1 Standard

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

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

Expiration Date : June 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-Dichloroethene	75-35-4.SEC	13896500	99%	1,004.5 µg/mL	+/- 57.0049
2	Methylene chloride (dichloromethane)	75-09-2.SEC	FGM02	99%	1,004.4 µg/mL	+/- 56.9992
3	trans-1,2-Dichloroethene	156-60-5.SEC	L5QOH	99%	1,003.9 µg/mL	+/- 56.9751
4	1,1-Dichloroethane	75-34-3.SEC	1026.30-3	98%	1,006.0 µg/mL	+/- 57.0953
5	2,2-Dichloropropane	594-20-7.SEC	I7E8E	99%	1,005.2 µg/mL	+/- 57.0474
6	cis-1,2-Dichloroethene	156-59-2.SEC	YZO5O	99%	1,004.3 µg/mL	+/- 56.9952
7	Chloroform	67-66-3.SEC	1297547	99%	1,003.9 µg/mL	+/- 56.9736
8	Bromochloromethane	74-97-5.SEC	13547000	99%	1,004.4 µg/mL	+/- 57.0043
9	1,1,1-Trichloroethane	71-55-6.SEC	14183000	99%	1,005.0 µg/mL	+/- 57.0375
10	1,1-Dichloropropene	563-58-6.SEC	556500	99%	1,003.8 µg/mL	+/- 56.9691
11	Carbon tetrachloride	56-23-5.SEC	11466	99%	1,003.9 µg/mL	+/- 56.9751
12	1,2-Dichloroethane	107-06-2.SEC	00016165	99%	1,003.1 µg/mL	+/- 56.9268
13	Benzene	71-43-2.SEC	B28Y008	99%	1,005.0 µg/mL	+/- 57.0361
14	Trichloroethene	79-01-6.SEC	H04X050	99%	1,003.3 µg/mL	+/- 56.9410
15	1,2-Dichloropropane	78-87-5.SEC	ERRBI-RH	99%	1,003.7 µg/mL	+/- 56.9609
16	Bromodichloromethane	75-27-4.SEC	28128	99%	1,004.8 µg/mL	+/- 57.0261

17	Dibromomethane	74-95-3.SEC MOKKJ	99%	1,004.5	µg/mL	+/-	57.0100
18	cis-1,3-Dichloropropene	10061-01-5.SEC 4870A	98%	1,004.8	µg/mL	+/-	57.0258
19	Toluene	108-88-3.SEC YND2B-BD	99%	1,004.1	µg/mL	+/-	56.9839
20	trans-1,3-Dichloropropene	10061-02-6.SEC 4870A	98%	1,006.1	µg/mL	+/-	57.0995
21	1,1,2-Trichloroethane	79-00-5.SEC 13547100	99%	1,003.8	µg/mL	+/-	56.9680
22	1,3-Dichloropropane	142-28-9.SEC IQCON	99%	1,003.6	µg/mL	+/-	56.9544
23	Tetrachloroethene	127-18-4.SEC F09W014	99%	1,003.9	µg/mL	+/-	56.9736
24	Dibromochloromethane	124-48-1.SEC 10234064	99%	1,003.9	µg/mL	+/-	56.9708
25	1,2-Dibromoethane (EDB)	106-93-4.SEC 050675P15E	99%	1,003.7	µg/mL	+/-	56.9646
26	Chlorobenzene	108-90-7.SEC 1161936	99%	1,004.0	µg/mL	+/-	56.9793
27	1,1,1,2-Tetrachloroethane	630-20-6.SEC 13789800	99%	1,003.4	µg/mL	+/-	56.9430
28	Ethylbenzene	100-41-4.SEC XO5UA	99%	1,004.6	µg/mL	+/-	57.0111
29	m-Xylene	108-38-3.SEC 7ZV6F	99%	1,004.8	µg/mL	+/-	57.0225
30	p-Xylene	106-42-3.SEC D6UOA	99%	1,004.6	µg/mL	+/-	57.0134
31	o-Xylene	95-47-6.SEC UJ6RI	99%	1,005.4	µg/mL	+/-	57.0576
32	Styrene	100-42-5.SEC QGQ7F	99%	1,003.8	µg/mL	+/-	56.9680
33	Isopropylbenzene (cumene)	98-82-8.SEC 7P24L	99%	1,005.3	µg/mL	+/-	57.0531
34	Bromoform	75-25-2.SEC 13723500	99%	1,003.9	µg/mL	+/-	56.9751
35	1,1,1,2-Tetrachloroethane	79-34-5.SEC BCCD5088	99%	1,003.8	µg/mL	+/-	56.9680
36	1,2,3-Trichloropropane	96-18-4.SEC 6V2ED	99%	1,003.2	µg/mL	+/-	56.9339
37	n-Propylbenzene	103-65-1.SEC XCGEC	99%	1,004.1	µg/mL	+/-	56.9861
38	Bromobenzene	108-86-1.SEC 8DKWJ	99%	1,004.2	µg/mL	+/-	56.9929
39	1,3,5-Trimethylbenzene	108-67-8.SEC GI2SM	99%	1,004.3	µg/mL	+/-	56.9986
40	2-Chlorotoluene	95-49-8.SEC BRHPM	99%	1,003.7	µg/mL	+/-	56.9612
41	4-Chlorotoluene	106-43-4.SEC S5SKD	99%	1,004.6	µg/mL	+/-	57.0134
42	tert-Butylbenzene	98-06-6.SEC D6OHC	99%	1,004.4	µg/mL	+/-	56.9998
43	1,2,4-Trimethylbenzene	95-63-6.SEC JHZDD	99%	1,004.6	µg/mL	+/-	57.0111
44	sec-Butylbenzene	135-98-8.SEC O4HRF	99%	1,005.1	µg/mL	+/-	57.0429
45	4-Isopropyltoluene (p-cymene)	99-87-6.SEC 13889300	98%	1,004.1	µg/mL	+/-	56.9877
46	1,3-Dichlorobenzene	541-73-1.SEC ZA2ZI	99%	1,003.6	µg/mL	+/-	56.9580
47	1,4-Dichlorobenzene	106-46-7.SEC J5GVD	99%	1,005.3	µg/mL	+/-	57.0517
48	n-Butylbenzene	104-51-8.SEC MMPGA	99%	1,005.4	µg/mL	+/-	57.0599
49	1,2-Dichlorobenzene	95-50-1.SEC R6QDM	99%	1,004.0	µg/mL	+/-	56.9779
50	1,2-Dibromo-3-chloropropane	96-12-8.SEC Q135-105	99%	1,004.2	µg/mL	+/-	56.9929
51	1,2,4-Trichlorobenzene	120-82-1.SEC 3LYYC	99%	1,004.6	µg/mL	+/-	57.0145
52	Hexachlorobutadiene	87-68-3.SEC 13889400	97%	1,004.2	µg/mL	+/-	56.9930

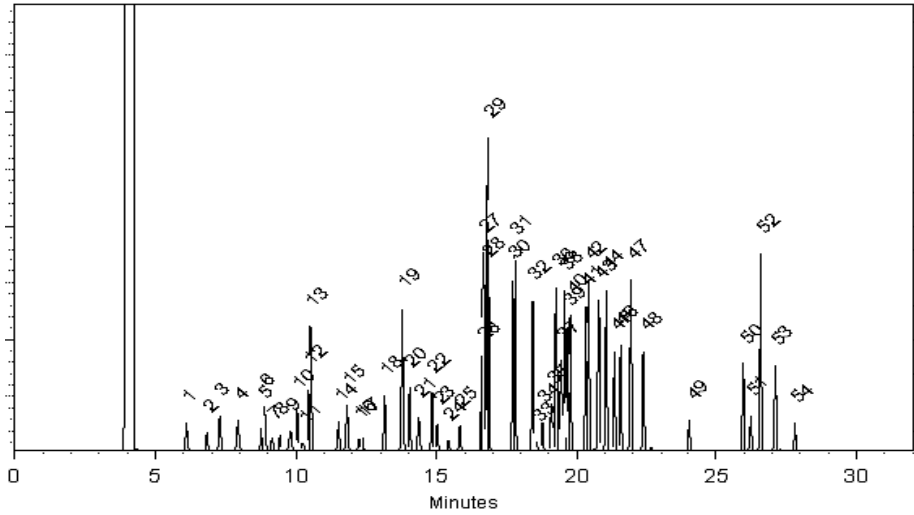
53	Naphthalene	91-20-3.SEC	AM5NG	99%	1,002.7	µg/mL	+/- 56.9055
54	1,2,3-Trichlorobenzene	87-61-6.SEC	A0043055	99%	1,004.6	µg/mL	+/- 57.0156

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

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

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)
Carrier Gas:
hydrogen-constant pressure 11.0 psi.
Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)
Inj. Temp:
200°C
Det. Temp:
250°C
Det. Type:
FID
Split Vent:
40 ml/min
Inj. Vol
1µl



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


Jess Hoy - Operations Tech I

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


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Jun-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX1SEC_00207



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

Expiration Date : June 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-Dichloroethene	75-35-4.SEC	13896500	99%	1,004.5 µg/mL	+/- 57.0049
2	Methylene chloride (dichloromethane)	75-09-2.SEC	FGM02	99%	1,004.4 µg/mL	+/- 56.9992
3	trans-1,2-Dichloroethene	156-60-5.SEC	L5QOH	99%	1,003.9 µg/mL	+/- 56.9751
4	1,1-Dichloroethane	75-34-3.SEC	1026.30-3	98%	1,006.0 µg/mL	+/- 57.0953
5	2,2-Dichloropropane	594-20-7.SEC	I7E8E	99%	1,005.2 µg/mL	+/- 57.0474
6	cis-1,2-Dichloroethene	156-59-2.SEC	YZO5O	99%	1,004.3 µg/mL	+/- 56.9952
7	Chloroform	67-66-3.SEC	1297547	99%	1,003.9 µg/mL	+/- 56.9736
8	Bromochloromethane	74-97-5.SEC	13547000	99%	1,004.4 µg/mL	+/- 57.0043
9	1,1,1-Trichloroethane	71-55-6.SEC	14183000	99%	1,005.0 µg/mL	+/- 57.0375
10	1,1-Dichloropropene	563-58-6.SEC	556500	99%	1,003.8 µg/mL	+/- 56.9691
11	Carbon tetrachloride	56-23-5.SEC	11466	99%	1,003.9 µg/mL	+/- 56.9751
12	1,2-Dichloroethane	107-06-2.SEC	00016165	99%	1,003.1 µg/mL	+/- 56.9268
13	Benzene	71-43-2.SEC	B28Y008	99%	1,005.0 µg/mL	+/- 57.0361
14	Trichloroethene	79-01-6.SEC	H04X050	99%	1,003.3 µg/mL	+/- 56.9410
15	1,2-Dichloropropane	78-87-5.SEC	ERRBI-RH	99%	1,003.7 µg/mL	+/- 56.9609
16	Bromodichloromethane	75-27-4.SEC	28128	99%	1,004.8 µg/mL	+/- 57.0261

17	Dibromomethane	74-95-3.SEC MOKKJ	99%	1,004.5	µg/mL	+/-	57.0100
18	cis-1,3-Dichloropropene	10061-01-5.SEC 4870A	98%	1,004.8	µg/mL	+/-	57.0258
19	Toluene	108-88-3.SEC YND2B-BD	99%	1,004.1	µg/mL	+/-	56.9839
20	trans-1,3-Dichloropropene	10061-02-6.SEC ZDMSL	98%	1,006.1	µg/mL	+/-	57.0995
21	1,1,2-Trichloroethane	79-00-5.SEC 13547100	99%	1,003.8	µg/mL	+/-	56.9680
22	1,3-Dichloropropane	142-28-9.SEC IQCON	99%	1,003.6	µg/mL	+/-	56.9544
23	Tetrachloroethene	127-18-4.SEC F09W014	99%	1,003.9	µg/mL	+/-	56.9736
24	Dibromochloromethane	124-48-1.SEC 10234064	99%	1,003.9	µg/mL	+/-	56.9708
25	1,2-Dibromoethane (EDB)	106-93-4.SEC 050675P15E	99%	1,003.7	µg/mL	+/-	56.9646
26	Chlorobenzene	108-90-7.SEC 1161936	99%	1,004.0	µg/mL	+/-	56.9793
27	1,1,1,2-Tetrachloroethane	630-20-6.SEC 13789800	99%	1,003.4	µg/mL	+/-	56.9430
28	Ethylbenzene	100-41-4.SEC XO5UA	99%	1,004.6	µg/mL	+/-	57.0111
29	m-Xylene	108-38-3.SEC 7ZV6F	99%	1,004.8	µg/mL	+/-	57.0225
30	p-Xylene	106-42-3.SEC D6UOA	99%	1,004.6	µg/mL	+/-	57.0134
31	o-Xylene	95-47-6.SEC UJ6RI	99%	1,005.4	µg/mL	+/-	57.0576
32	Styrene	100-42-5.SEC QGQ7F	99%	1,003.8	µg/mL	+/-	56.9680
33	Isopropylbenzene (cumene)	98-82-8.SEC 7P24L	99%	1,005.3	µg/mL	+/-	57.0531
34	Bromoform	75-25-2.SEC 13723500	99%	1,003.9	µg/mL	+/-	56.9751
35	1,1,1,2-Tetrachloroethane	79-34-5.SEC BCCD5088	99%	1,003.8	µg/mL	+/-	56.9680
36	1,2,3-Trichloropropane	96-18-4.SEC 6V2ED	99%	1,003.2	µg/mL	+/-	56.9339
37	n-Propylbenzene	103-65-1.SEC XCGEC	99%	1,004.1	µg/mL	+/-	56.9861
38	Bromobenzene	108-86-1.SEC 8DKWJ	99%	1,004.2	µg/mL	+/-	56.9929
39	1,3,5-Trimethylbenzene	108-67-8.SEC GI2SM	99%	1,004.3	µg/mL	+/-	56.9986
40	2-Chlorotoluene	95-49-8.SEC BRHPM	99%	1,003.7	µg/mL	+/-	56.9612
41	4-Chlorotoluene	106-43-4.SEC S5SKD	99%	1,004.6	µg/mL	+/-	57.0134
42	tert-Butylbenzene	98-06-6.SEC D6OHC	99%	1,004.4	µg/mL	+/-	56.9998
43	1,2,4-Trimethylbenzene	95-63-6.SEC JHZDD	99%	1,004.6	µg/mL	+/-	57.0111
44	sec-Butylbenzene	135-98-8.SEC O4HRF	99%	1,005.1	µg/mL	+/-	57.0429
45	4-Isopropyltoluene (p-cymene)	99-87-6.SEC 13889300	98%	1,004.1	µg/mL	+/-	56.9877
46	1,3-Dichlorobenzene	541-73-1.SEC ZA2ZI	99%	1,003.6	µg/mL	+/-	56.9580
47	1,4-Dichlorobenzene	106-46-7.SEC J5GVD	99%	1,005.3	µg/mL	+/-	57.0517
48	n-Butylbenzene	104-51-8.SEC MMPGA	99%	1,005.4	µg/mL	+/-	57.0599
49	1,2-Dichlorobenzene	95-50-1.SEC R6QDM	99%	1,004.0	µg/mL	+/-	56.9779
50	1,2-Dibromo-3-chloropropane	96-12-8.SEC Q135-105	99%	1,004.2	µg/mL	+/-	56.9929
51	1,2,4-Trichlorobenzene	120-82-1.SEC 3LYYC	99%	1,004.6	µg/mL	+/-	57.0145
52	Hexachlorobutadiene	87-68-3.SEC 13889400	97%	1,004.2	µg/mL	+/-	56.9930

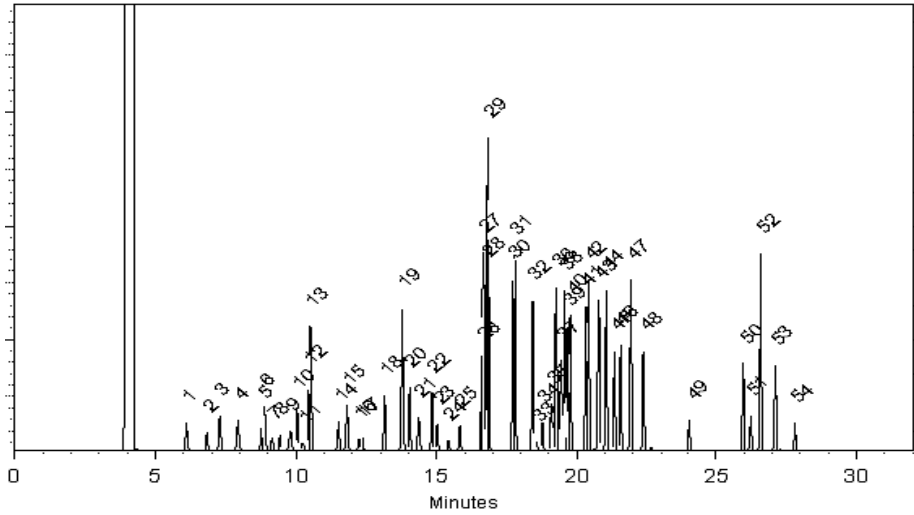
53	Naphthalene	91-20-3.SEC	AM5NG	99%	1,002.7	µg/mL	+/- 56.9055
54	1,2,3-Trichlorobenzene	87-61-6.SEC	A0043055	99%	1,004.6	µg/mL	+/- 57.0156

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

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

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)
Carrier Gas:
hydrogen-constant pressure 11.0 psi.
Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)
Inj. Temp:
200°C
Det. Temp:
250°C
Det. Type:
FID
Split Vent:
40 ml/min
Inj. Vol
1µl



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


Jess Hoy - Operations Tech I

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


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Jun-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX1SEC_00208



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom VOC MegaMix®.SEC #1 Standard

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

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

Expiration Date : June 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-Dichloroethene	75-35-4.SEC	13896500	99%	1,004.5 µg/mL	+/- 57.0049
2	Methylene chloride (dichloromethane)	75-09-2.SEC	FGM02	99%	1,004.4 µg/mL	+/- 56.9992
3	trans-1,2-Dichloroethene	156-60-5.SEC	L5QOH	99%	1,003.9 µg/mL	+/- 56.9751
4	1,1-Dichloroethane	75-34-3.SEC	1026.30-3	98%	1,006.0 µg/mL	+/- 57.0953
5	2,2-Dichloropropane	594-20-7.SEC	I7E8E	99%	1,005.2 µg/mL	+/- 57.0474
6	cis-1,2-Dichloroethene	156-59-2.SEC	YZO5O	99%	1,004.3 µg/mL	+/- 56.9952
7	Chloroform	67-66-3.SEC	1297547	99%	1,003.9 µg/mL	+/- 56.9736
8	Bromochloromethane	74-97-5.SEC	13547000	99%	1,004.4 µg/mL	+/- 57.0043
9	1,1,1-Trichloroethane	71-55-6.SEC	14183000	99%	1,005.0 µg/mL	+/- 57.0375
10	1,1-Dichloropropene	563-58-6.SEC	556500	99%	1,003.8 µg/mL	+/- 56.9691
11	Carbon tetrachloride	56-23-5.SEC	11466	99%	1,003.9 µg/mL	+/- 56.9751
12	1,2-Dichloroethane	107-06-2.SEC	00016165	99%	1,003.1 µg/mL	+/- 56.9268
13	Benzene	71-43-2.SEC	B28Y008	99%	1,005.0 µg/mL	+/- 57.0361
14	Trichloroethene	79-01-6.SEC	H04X050	99%	1,003.3 µg/mL	+/- 56.9410
15	1,2-Dichloropropane	78-87-5.SEC	ERRBI-RH	99%	1,003.7 µg/mL	+/- 56.9609
16	Bromodichloromethane	75-27-4.SEC	28128	99%	1,004.8 µg/mL	+/- 57.0261

17	Dibromomethane	74-95-3.SEC MOKKJ	99%	1,004.5	µg/mL	+/-	57.0100
18	cis-1,3-Dichloropropene	10061-01-5.SEC 4870A	98%	1,004.8	µg/mL	+/-	57.0258
19	Toluene	108-88-3.SEC YND2B-BD	99%	1,004.1	µg/mL	+/-	56.9839
20	trans-1,3-Dichloropropene	10061-02-6.SEC 4870A	98%	1,006.1	µg/mL	+/-	57.0995
21	1,1,2-Trichloroethane	79-00-5.SEC 13547100	99%	1,003.8	µg/mL	+/-	56.9680
22	1,3-Dichloropropane	142-28-9.SEC IQCON	99%	1,003.6	µg/mL	+/-	56.9544
23	Tetrachloroethene	127-18-4.SEC F09W014	99%	1,003.9	µg/mL	+/-	56.9736
24	Dibromochloromethane	124-48-1.SEC 10234064	99%	1,003.9	µg/mL	+/-	56.9708
25	1,2-Dibromoethane (EDB)	106-93-4.SEC 050675P15E	99%	1,003.7	µg/mL	+/-	56.9646
26	Chlorobenzene	108-90-7.SEC 1161936	99%	1,004.0	µg/mL	+/-	56.9793
27	1,1,1,2-Tetrachloroethane	630-20-6.SEC 13789800	99%	1,003.4	µg/mL	+/-	56.9430
28	Ethylbenzene	100-41-4.SEC XO5UA	99%	1,004.6	µg/mL	+/-	57.0111
29	m-Xylene	108-38-3.SEC 7ZV6F	99%	1,004.8	µg/mL	+/-	57.0225
30	p-Xylene	106-42-3.SEC D6UOA	99%	1,004.6	µg/mL	+/-	57.0134
31	o-Xylene	95-47-6.SEC UJ6RI	99%	1,005.4	µg/mL	+/-	57.0576
32	Styrene	100-42-5.SEC QGQ7F	99%	1,003.8	µg/mL	+/-	56.9680
33	Isopropylbenzene (cumene)	98-82-8.SEC 7P24L	99%	1,005.3	µg/mL	+/-	57.0531
34	Bromoform	75-25-2.SEC 13723500	99%	1,003.9	µg/mL	+/-	56.9751
35	1,1,1,2-Tetrachloroethane	79-34-5.SEC BCCD5088	99%	1,003.8	µg/mL	+/-	56.9680
36	1,2,3-Trichloropropane	96-18-4.SEC 6V2ED	99%	1,003.2	µg/mL	+/-	56.9339
37	n-Propylbenzene	103-65-1.SEC XCGEC	99%	1,004.1	µg/mL	+/-	56.9861
38	Bromobenzene	108-86-1.SEC 8DKWJ	99%	1,004.2	µg/mL	+/-	56.9929
39	1,3,5-Trimethylbenzene	108-67-8.SEC GI2SM	99%	1,004.3	µg/mL	+/-	56.9986
40	2-Chlorotoluene	95-49-8.SEC BRHPM	99%	1,003.7	µg/mL	+/-	56.9612
41	4-Chlorotoluene	106-43-4.SEC S5SKD	99%	1,004.6	µg/mL	+/-	57.0134
42	tert-Butylbenzene	98-06-6.SEC D6OHC	99%	1,004.4	µg/mL	+/-	56.9998
43	1,2,4-Trimethylbenzene	95-63-6.SEC JHZDD	99%	1,004.6	µg/mL	+/-	57.0111
44	sec-Butylbenzene	135-98-8.SEC O4HRF	99%	1,005.1	µg/mL	+/-	57.0429
45	4-Isopropyltoluene (p-cymene)	99-87-6.SEC 13889300	98%	1,004.1	µg/mL	+/-	56.9877
46	1,3-Dichlorobenzene	541-73-1.SEC ZA2ZI	99%	1,003.6	µg/mL	+/-	56.9580
47	1,4-Dichlorobenzene	106-46-7.SEC J5GVD	99%	1,005.3	µg/mL	+/-	57.0517
48	n-Butylbenzene	104-51-8.SEC MMPGA	99%	1,005.4	µg/mL	+/-	57.0599
49	1,2-Dichlorobenzene	95-50-1.SEC R6QDM	99%	1,004.0	µg/mL	+/-	56.9779
50	1,2-Dibromo-3-chloropropane	96-12-8.SEC Q135-105	99%	1,004.2	µg/mL	+/-	56.9929
51	1,2,4-Trichlorobenzene	120-82-1.SEC 3LYYC	99%	1,004.6	µg/mL	+/-	57.0145
52	Hexachlorobutadiene	87-68-3.SEC 13889400	97%	1,004.2	µg/mL	+/-	56.9930

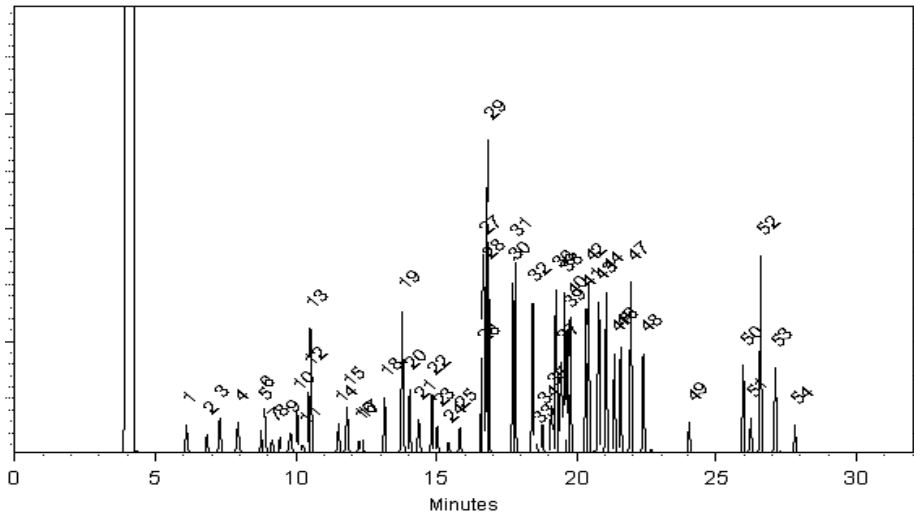
53	Naphthalene	91-20-3.SEC	AM5NG	99%	1,002.7	µg/mL	+/- 56.9055
54	1,2,3-Trichlorobenzene	87-61-6.SEC	A0043055	99%	1,004.6	µg/mL	+/- 57.0156

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

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

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)
Carrier Gas:
hydrogen-constant pressure 11.0 psi.
Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)
Inj. Temp:
200°C
Det. Temp:
250°C
Det. Type:
FID
Split Vent:
40 ml/min
Inj. Vol
1µl



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


Jess Hoy - Operations Tech I

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


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Jun-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX2SEC_00207



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom VOC MegaMix®.SEC #2 Standard
Custom VOC MegaMix®.SEC #2 Standard 1,000-50,000µg/mL, P&T
Methanol, 1mL/ampul

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

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0.SEC FGH02		99%	1,006.7 µg/mL	+/- 16.4916
2	2-Propanol (isopropanol)	67-63-0.SEC 7B8ZE		99%	7,533.3 µg/mL	+/- 123.1844
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1.SEC 18342		99%	1,004.0 µg/mL	+/- 16.4479
4	tert-Butanol (TBA)	75-65-0.SEC DI34O		99%	10,066.7 µg/mL	+/- 164.6093
5	Methyl acetate	79-20-9.SEC LV27M		99%	1,006.0 µg/mL	+/- 16.4807
6	Iodomethane (methyl iodide)	74-88-4.SEC Y25A027		99%	1,003.3 µg/mL	+/- 16.4370
7	Allyl chloride (3-chloropropene)	107-05-1.SEC RD210329		99%	1,006.0 µg/mL	+/- 16.4807
8	Carbon disulfide	75-15-0.SEC MKBL1376V		99%	1,002.7 µg/mL	+/- 16.4260
9	Acrylonitrile	107-13-1.SEC V54AD		99%	5,030.0 µg/mL	+/- 82.2742
10	Methyl-tert-butyl ether (MTBE)	1634-04-4.SECDCQG		99%	1,007.3 µg/mL	+/- 16.5025
11	n-Hexane (C6)	110-54-3.SEC 10188491		99%	1,009.3 µg/mL	+/- 16.5353
12	Diisopropyl ether (DIPE)	108-20-3.SEC LL7TN-SH		99%	1,005.3 µg/mL	+/- 16.4697
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8 S230420RSR		99%	1,005.3 µg/mL	+/- 16.4697
14	Ethyl-tert-butyl ether (ETBE)	637-92-3.SEC UCI5B		98%	1,006.8 µg/mL	+/- 16.4935
15	Propionitrile	107-12-0.SEC B4ZPC		99%	7,542.0 µg/mL	+/- 123.3262
16	Methacrylonitrile	126-98-7 1012014		99%	7,562.0 µg/mL	+/- 123.6532

17	Isobutanol (2-Methyl-1-propanol)	78-83-1.SEC YNG3K	99%	25,096.0	µg/mL	+/-	410.3677
18	Tetrahydrofuran	109-99-9.SEC 3NYHE	99%	5,033.3	µg/mL	+/-	82.3287
19	Cyclohexane	110-82-7.SEC YADRA	99%	1,005.3	µg/mL	+/-	16.4697
20	1-Butanol	71-36-3.SEC RSHAH	99%	50,062.7	µg/mL	+/-	818.6206
21	tert-Amyl methyl ether (TAME)	994-05-8.SEC 12075100	98%	1,005.8	µg/mL	+/-	16.4775
22	n-Heptane (C7)	142-82-5.SEC TFHUC	99%	1,002.0	µg/mL	+/-	16.4151
23	tert-Amyl ethyl ether (TAEE)	919-94-8.SEC 11370700	99%	1,005.3	µg/mL	+/-	16.4697
24	Methylcyclohexane	108-87-2.SEC Q02QG	99%	1,008.7	µg/mL	+/-	16.5243
25	Methyl methacrylate	80-62-6.SEC G01X021	99%	1,003.3	µg/mL	+/-	16.4370
26	1,4-Dioxane	123-91-1.SEC QHRWO	99%	25,144.0	µg/mL	+/-	411.1526
27	2-Nitropropane	79-46-9.SEC F43IA	99%	1,003.3	µg/mL	+/-	16.4370
28	Ethyl methacrylate	97-63-2.SEC AQSP0	99%	1,003.3	µg/mL	+/-	16.4370
29	1-Chlorohexane	544-10-5.SEC 13075400	99%	1,002.0	µg/mL	+/-	16.4151
30	trans-1,4-Dichloro-2-butene	110-57-6.SEC RD230316RSR	96%	5,033.0	µg/mL	+/-	82.3226
31	1,2,3-Trimethylbenzene	526-73-8.SEC 13921700	98%	1,007.4	µg/mL	+/-	16.5042
32	1,3-Diethylbenzene	141-93-5.SEC 113566-1	99%	1,000.7	µg/mL	+/-	16.3933
33	Benzyl chloride	100-44-7.SEC H29N03	99%	1,002.0	µg/mL	+/-	16.4151
34	1,4-Diethylbenzene	105-05-5.SEC FBQ02	98%	1,004.8	µg/mL	+/-	16.4614
35	1,2-Diethylbenzene	135-01-3.SEC BCBF3667V	99%	1,001.3	µg/mL	+/-	16.4042
36	1,3,5-Trichlorobenzene	108-70-3.SEC I28U021	99%	1,007.5	µg/mL	+/-	16.5058
37	2-Methylnaphthalene	91-57-6.SEC 76023-1	99%	1,003.3	µg/mL	+/-	16.4370

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 30 psi

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

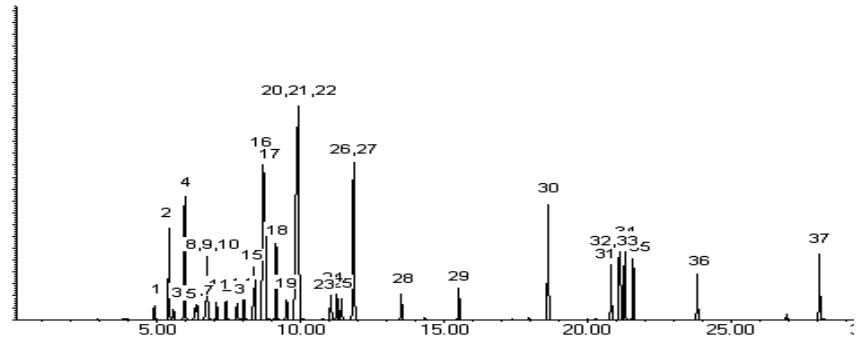
MSD

Split Vent:

25.0 ml/min.

Inj. Vol

1µl



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


Bryan Snyder - Operations Tech I

Date Mixed: 30-Apr-2023

Balance Serial # 1128342314


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 19-Jun-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX2SEC_00210



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom VOC MegaMix®.SEC #2 Standard
Custom VOC MegaMix®.SEC #2 Standard 1,000-50,000µg/mL, P&T
Methanol, 1mL/ampul

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

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0.SEC	FGH02	99%	1,006.7 µg/mL	+/- 16.4916
2	2-Propanol (isopropanol)	67-63-0.SEC	7B8ZE	99%	7,533.3 µg/mL	+/- 123.1844
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1.SEC	18342	99%	1,004.0 µg/mL	+/- 16.4479
4	tert-Butanol (TBA)	75-65-0.SEC	DI34O	99%	10,066.7 µg/mL	+/- 164.6093
5	Methyl acetate	79-20-9.SEC	LV27M	99%	1,006.0 µg/mL	+/- 16.4807
6	Iodomethane (methyl iodide)	74-88-4.SEC	Y25A027	99%	1,003.3 µg/mL	+/- 16.4370
7	Allyl chloride (3-chloropropene)	107-05-1.SEC	RD210329	99%	1,006.0 µg/mL	+/- 16.4807
8	Carbon disulfide	75-15-0.SEC	MKBL1376V	99%	1,002.7 µg/mL	+/- 16.4260
9	Acrylonitrile	107-13-1.SEC	V54AD	99%	5,030.0 µg/mL	+/- 82.2742
10	Methyl-tert-butyl ether (MTBE)	1634-04-4.SEC	CCDCQG	99%	1,007.3 µg/mL	+/- 16.5025
11	n-Hexane (C6)	110-54-3.SEC	10188491	99%	1,009.3 µg/mL	+/- 16.5353
12	Diisopropyl ether (DIPE)	108-20-3.SEC	LL7TN-SH	99%	1,005.3 µg/mL	+/- 16.4697
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S230420RSR	99%	1,005.3 µg/mL	+/- 16.4697
14	Ethyl-tert-butyl ether (ETBE)	637-92-3.SEC	UCI5B	98%	1,006.8 µg/mL	+/- 16.4935
15	Propionitrile	107-12-0.SEC	B4ZPC	99%	7,542.0 µg/mL	+/- 123.3262
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17	Isobutanol (2-Methyl-1-propanol)	78-83-1.SEC YNG3K	99%	25,096.0	µg/mL	+/-	410.3677
18	Tetrahydrofuran	109-99-9.SEC 3NYHE	99%	5,033.3	µg/mL	+/-	82.3287
19	Cyclohexane	110-82-7.SEC YADRA	99%	1,005.3	µg/mL	+/-	16.4697
20	1-Butanol	71-36-3.SEC RSHAH	99%	50,062.7	µg/mL	+/-	818.6206
21	tert-Amyl methyl ether (TAME)	994-05-8.SEC 12075100	98%	1,005.8	µg/mL	+/-	16.4775
22	n-Heptane (C7)	142-82-5.SEC TFHUC	99%	1,002.0	µg/mL	+/-	16.4151
23	tert-Amyl ethyl ether (TAEE)	919-94-8.SEC 11370700	99%	1,005.3	µg/mL	+/-	16.4697
24	Methylcyclohexane	108-87-2.SEC Q02QG	99%	1,008.7	µg/mL	+/-	16.5243
25	Methyl methacrylate	80-62-6.SEC G01X021	99%	1,003.3	µg/mL	+/-	16.4370
26	1,4-Dioxane	123-91-1.SEC QHRWO	99%	25,144.0	µg/mL	+/-	411.1526
27	2-Nitropropane	79-46-9.SEC F43IA	99%	1,003.3	µg/mL	+/-	16.4370
28	Ethyl methacrylate	97-63-2.SEC AQSP0	99%	1,003.3	µg/mL	+/-	16.4370
29	1-Chlorohexane	544-10-5.SEC 13075400	99%	1,002.0	µg/mL	+/-	16.4151
30	trans-1,4-Dichloro-2-butene	110-57-6.SEC RD230316RSR	96%	5,033.0	µg/mL	+/-	82.3226
31	1,2,3-Trimethylbenzene	526-73-8.SEC 13921700	98%	1,007.4	µg/mL	+/-	16.5042
32	1,3-Diethylbenzene	141-93-5.SEC 113566-1	99%	1,000.7	µg/mL	+/-	16.3933
33	Benzyl chloride	100-44-7.SEC H29N03	99%	1,002.0	µg/mL	+/-	16.4151
34	1,4-Diethylbenzene	105-05-5.SEC FBQ02	98%	1,004.8	µg/mL	+/-	16.4614
35	1,2-Diethylbenzene	135-01-3.SEC BCBF3667V	99%	1,001.3	µg/mL	+/-	16.4042
36	1,3,5-Trichlorobenzene	108-70-3.SEC I28U021	99%	1,007.5	µg/mL	+/-	16.5058
37	2-Methylnaphthalene	91-57-6.SEC 76023-1	99%	1,003.3	µg/mL	+/-	16.4370

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 30 psi

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

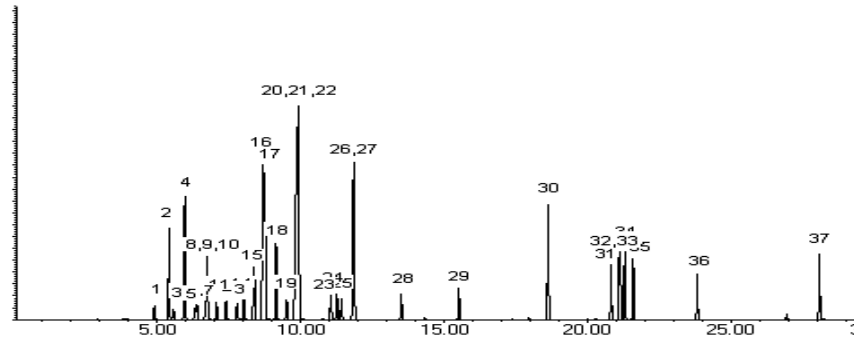
MSD

Split Vent:

25.0 ml/min.

Inj. Vol

1µl



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


Bryan Snyder - Operations Tech I

Date Mixed: 30-Apr-2023

Balance Serial # 1128342314


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 19-Jun-2023

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

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Reagent

MSV_M_MIX2SEC_00211



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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

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

Description : Custom VOC MegaMix®.SEC #2 Standard
Custom VOC MegaMix®.SEC #2 Standard 1,000-50,000µg/mL, P&T
Methanol, 1mL/ampul

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

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0.SEC FGH02		99%	1,006.7 µg/mL	+/- 16.4916
2	2-Propanol (isopropanol)	67-63-0.SEC 7B8ZE		99%	7,533.3 µg/mL	+/- 123.1844
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1.SEC 18342		99%	1,004.0 µg/mL	+/- 16.4479
4	tert-Butanol (TBA)	75-65-0.SEC DI34O		99%	10,066.7 µg/mL	+/- 164.6093
5	Methyl acetate	79-20-9.SEC LV27M		99%	1,006.0 µg/mL	+/- 16.4807
6	Iodomethane (methyl iodide)	74-88-4.SEC Y25A027		99%	1,003.3 µg/mL	+/- 16.4370
7	Allyl chloride (3-chloropropene)	107-05-1.SEC RD210329		99%	1,006.0 µg/mL	+/- 16.4807
8	Carbon disulfide	75-15-0.SEC MKBL1376V		99%	1,002.7 µg/mL	+/- 16.4260
9	Acrylonitrile	107-13-1.SEC V54AD		99%	5,030.0 µg/mL	+/- 82.2742
10	Methyl-tert-butyl ether (MTBE)	1634-04-4.SECDCQG		99%	1,007.3 µg/mL	+/- 16.5025
11	n-Hexane (C6)	110-54-3.SEC 10188491		99%	1,009.3 µg/mL	+/- 16.5353
12	Diisopropyl ether (DIPE)	108-20-3.SEC LL7TN-SH		99%	1,005.3 µg/mL	+/- 16.4697
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8 S230420RSR		99%	1,005.3 µg/mL	+/- 16.4697
14	Ethyl-tert-butyl ether (ETBE)	637-92-3.SEC UCI5B		98%	1,006.8 µg/mL	+/- 16.4935
15	Propionitrile	107-12-0.SEC B4ZPC		99%	7,542.0 µg/mL	+/- 123.3262
16	Methacrylonitrile	126-98-7 1012014		99%	7,562.0 µg/mL	+/- 123.6532

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 30 psi

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

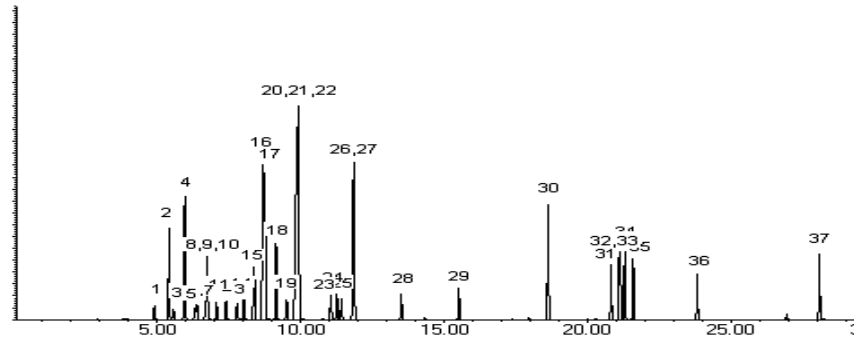
MSD

Split Vent:

25.0 ml/min.

Inj. Vol

1µl



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


Bryan Snyder - Operations Tech I

Date Mixed: 30-Apr-2023

Balance Serial # 1128342314


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 19-Jun-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMIX#1_00178



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom VOC MegaMix® #1 Standard

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

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

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-dichloroethene	75-35-4	SHBL4758	99%	5,031.3 µg/mL	+/- 283.3780
2	Methylene chloride (dichloromethane)	75-09-2	SHBP1417	99%	5,034.6 µg/mL	+/- 283.5646
3	trans-1,2-Dichloroethene	156-60-5	MKBH9850V	99%	5,035.6 µg/mL	+/- 283.6244
4	1,1-Dichloroethane	75-34-3	760200	99%	5,025.8 µg/mL	+/- 283.0682
5	2,2-Dichloropropane	594-20-7	RD220812	99%	5,043.3 µg/mL	+/- 284.0782
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.7 µg/mL	+/- 284.4387
7	chloroform	67-66-3	SHBN8469	99%	5,026.5 µg/mL	+/- 283.1105
8	Bromochloromethane	74-97-5	230206JLM	99%	5,043.8 µg/mL	+/- 284.1063
9	1,1,1-trichloroethane	71-55-6	RD230130RSR	99%	5,017.8 µg/mL	+/- 282.6176
10	1,1-Dichloropropene	563-58-6	230131JLM	99%	5,043.1 µg/mL	+/- 284.0669
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,031.8 µg/mL	+/- 283.4062
12	1,2-Dichloroethane	107-06-2	SHBQ0693	99%	5,041.9 µg/mL	+/- 283.9799
13	Benzene	71-43-2	SHBM3620	99%	5,044.9 µg/mL	+/- 284.1683
14	Trichloroethene	79-01-6	SHBN3720	99%	5,031.3 µg/mL	+/- 283.3780
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,036.8 µg/mL	+/- 283.6878
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,023.9 µg/mL	+/- 282.9661

17	Dibromomethane	74-95-3	10233302	99%	5,047.7	µg/mL	+/-	284.3260
18	cis-1,3-Dichloropropene	10061-01-5	RD221227RSRB	99%	5,027.8	µg/mL	+/-	283.1844
19	Toluene	108-88-3	ED097-US	99%	5,047.6	µg/mL	+/-	284.3204
20	trans-1,3-Dichloropropene	10061-02-6	RD220228A	98%	5,026.1	µg/mL	+/-	283.0852
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,037.6	µg/mL	+/-	283.7335
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,042.5	µg/mL	+/-	284.0331
23	Tetrachloroethene	127-18-4	SHBJ7422	99%	5,031.8	µg/mL	+/-	283.4097
24	dibromochloromethane	124-48-1	MKCM8659	99%	5,024.5	µg/mL	+/-	282.9978
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,044.2	µg/mL	+/-	284.1289
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,022.1	µg/mL	+/-	282.8605
27	1,1,1,2-Tetrachloroethane	630-20-6	GC01	99%	5,043.6	µg/mL	+/-	284.0951
28	Ethylbenzene	100-41-4	094632L21G	99%	5,045.6	µg/mL	+/-	284.2077
29	m-Xylene	108-38-3	Q13G020	99%	5,048.8	µg/mL	+/-	284.3880
30	p-Xylene	106-42-3	10234437	99%	5,045.7	µg/mL	+/-	284.2134
31	o-Xylene	95-47-6	SHBN5105	98%	5,038.2	µg/mL	+/-	283.7898
32	Styrene	100-42-5	MKQCQ3390	99%	5,041.8	µg/mL	+/-	283.9937
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,047.5	µg/mL	+/-	284.3148
34	bromoform	75-25-2	MKCR0680	99%	5,030.8	µg/mL	+/-	283.3533
35	1,1,2,2-Tetrachloroethane	79-34-5	OXACF	99%	5,031.6	µg/mL	+/-	283.3956
36	1,2,3-Trichloropropane	96-18-4	332900	99%	5,044.1	µg/mL	+/-	284.1232
37	n-Propylbenzene	103-65-1	G08M	98%	5,049.5	µg/mL	+/-	284.4246
38	Bromobenzene	108-86-1	MKQCQ7174	99%	5,044.6	µg/mL	+/-	284.1514
39	1,3,5-Trimethylbenzene	108-67-8	BCCF4166	99%	5,049.4	µg/mL	+/-	284.4218
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,044.5	µg/mL	+/-	284.1458
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,045.5	µg/mL	+/-	284.2021
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.9	µg/mL	+/-	284.3373
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,047.3	µg/mL	+/-	284.3035
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,046.3	µg/mL	+/-	284.2472
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCR6143	99%	5,045.8	µg/mL	+/-	284.2190
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,036.8	µg/mL	+/-	283.6878
47	1,4-Dichlorobenzene	106-46-7	MKBS4401V	99%	5,037.8	µg/mL	+/-	283.7476
48	n-Butylbenzene	104-51-8	09804AE	99%	5,049.1	µg/mL	+/-	284.4049
49	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	5,030.9	µg/mL	+/-	283.3604
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,047.8	µg/mL	+/-	284.3307
51	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	5,046.6	µg/mL	+/-	284.2641
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,045.1	µg/mL	+/-	284.1796

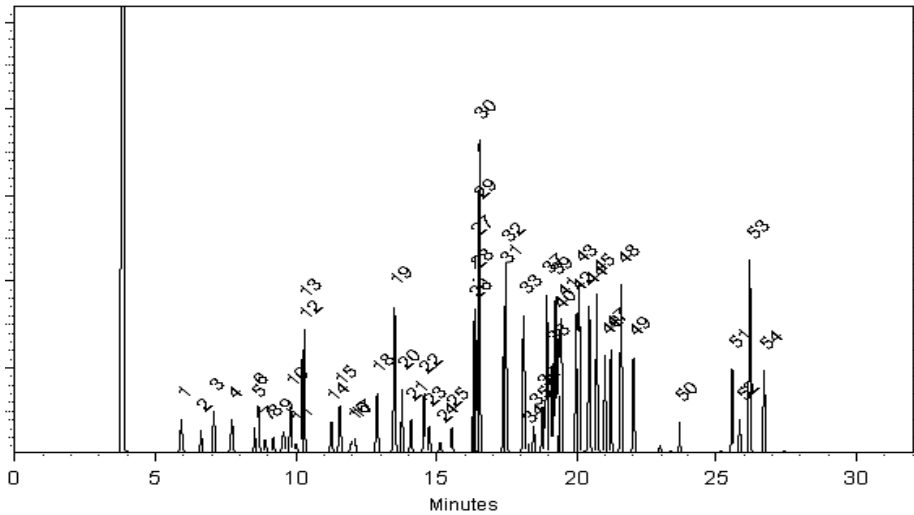
53	Naphthalene	91-20-3	MKCH0219	99%	5,029.9	µg/mL	+/- 283.3234
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,045.3	µg/mL	+/- 284.1908

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

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

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)
Carrier Gas:
hydrogen-constant pressure 11.0 psi.
Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)
Inj. Temp:
200°C
Det. Temp:
250°C
Det. Type:
FID
Split Vent:
40 ml/min
Inj. Vol
0.2µl



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

Nick Yaw
Nick Yaw - Operations Tech I

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

Christie Mills
Christie Mills - Operations Tech II - ARM QC

Date Passed: 05-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMIX#1_00185



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom VOC MegaMix® #1 Standard

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

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

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-dichloroethene	75-35-4	SHBL4758	99%	5,031.3 µg/mL	+/- 283.3780
2	Methylene chloride (dichloromethane)	75-09-2	SHBP1417	99%	5,034.6 µg/mL	+/- 283.5646
3	trans-1,2-Dichloroethene	156-60-5	MKBH9850V	99%	5,035.6 µg/mL	+/- 283.6244
4	1,1-Dichloroethane	75-34-3	760200	99%	5,025.8 µg/mL	+/- 283.0682
5	2,2-Dichloropropane	594-20-7	RD220812	99%	5,043.3 µg/mL	+/- 284.0782
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.7 µg/mL	+/- 284.4387
7	chloroform	67-66-3	SHBN8469	99%	5,026.5 µg/mL	+/- 283.1105
8	Bromochloromethane	74-97-5	230206JLM	99%	5,043.8 µg/mL	+/- 284.1063
9	1,1,1-trichloroethane	71-55-6	RD230130RSR	99%	5,017.8 µg/mL	+/- 282.6176
10	1,1-Dichloropropene	563-58-6	230131JLM	99%	5,043.1 µg/mL	+/- 284.0669
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,031.8 µg/mL	+/- 283.4062
12	1,2-Dichloroethane	107-06-2	SHBQ0693	99%	5,041.9 µg/mL	+/- 283.9799
13	Benzene	71-43-2	SHBM3620	99%	5,044.9 µg/mL	+/- 284.1683
14	Trichloroethene	79-01-6	SHBN3720	99%	5,031.3 µg/mL	+/- 283.3780
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,036.8 µg/mL	+/- 283.6878
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,023.9 µg/mL	+/- 282.9661

17	Dibromomethane	74-95-3	10233302	99%	5,047.7	µg/mL	+/-	284.3260
18	cis-1,3-Dichloropropene	10061-01-5	RD221227RSRB	99%	5,027.8	µg/mL	+/-	283.1844
19	Toluene	108-88-3	ED097-US	99%	5,047.6	µg/mL	+/-	284.3204
20	trans-1,3-Dichloropropene	10061-02-6	RD220228A	98%	5,026.1	µg/mL	+/-	283.0852
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,037.6	µg/mL	+/-	283.7335
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,042.5	µg/mL	+/-	284.0331
23	Tetrachloroethene	127-18-4	SHBJ7422	99%	5,031.8	µg/mL	+/-	283.4097
24	dibromochloromethane	124-48-1	MKCM8659	99%	5,024.5	µg/mL	+/-	282.9978
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,044.2	µg/mL	+/-	284.1289
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,022.1	µg/mL	+/-	282.8605
27	1,1,1,2-Tetrachloroethane	630-20-6	GC01	99%	5,043.6	µg/mL	+/-	284.0951
28	Ethylbenzene	100-41-4	094632L21G	99%	5,045.6	µg/mL	+/-	284.2077
29	m-Xylene	108-38-3	Q13G020	99%	5,048.8	µg/mL	+/-	284.3880
30	p-Xylene	106-42-3	10234437	99%	5,045.7	µg/mL	+/-	284.2134
31	o-Xylene	95-47-6	SHBN5105	98%	5,038.2	µg/mL	+/-	283.7898
32	Styrene	100-42-5	MKQCQ3390	99%	5,041.8	µg/mL	+/-	283.9937
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,047.5	µg/mL	+/-	284.3148
34	bromoform	75-25-2	MKCR0680	99%	5,030.8	µg/mL	+/-	283.3533
35	1,1,2,2-Tetrachloroethane	79-34-5	OXACF	99%	5,031.6	µg/mL	+/-	283.3956
36	1,2,3-Trichloropropane	96-18-4	332900	99%	5,044.1	µg/mL	+/-	284.1232
37	n-Propylbenzene	103-65-1	G08M	98%	5,049.5	µg/mL	+/-	284.4246
38	Bromobenzene	108-86-1	MKQCQ7174	99%	5,044.6	µg/mL	+/-	284.1514
39	1,3,5-Trimethylbenzene	108-67-8	BCCF4166	99%	5,049.4	µg/mL	+/-	284.4218
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,044.5	µg/mL	+/-	284.1458
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,045.5	µg/mL	+/-	284.2021
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.9	µg/mL	+/-	284.3373
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,047.3	µg/mL	+/-	284.3035
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,046.3	µg/mL	+/-	284.2472
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCR6143	99%	5,045.8	µg/mL	+/-	284.2190
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,036.8	µg/mL	+/-	283.6878
47	1,4-Dichlorobenzene	106-46-7	MKBS4401V	99%	5,037.8	µg/mL	+/-	283.7476
48	n-Butylbenzene	104-51-8	09804AE	99%	5,049.1	µg/mL	+/-	284.4049
49	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	5,030.9	µg/mL	+/-	283.3604
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,047.8	µg/mL	+/-	284.3307
51	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	5,046.6	µg/mL	+/-	284.2641
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,045.1	µg/mL	+/-	284.1796

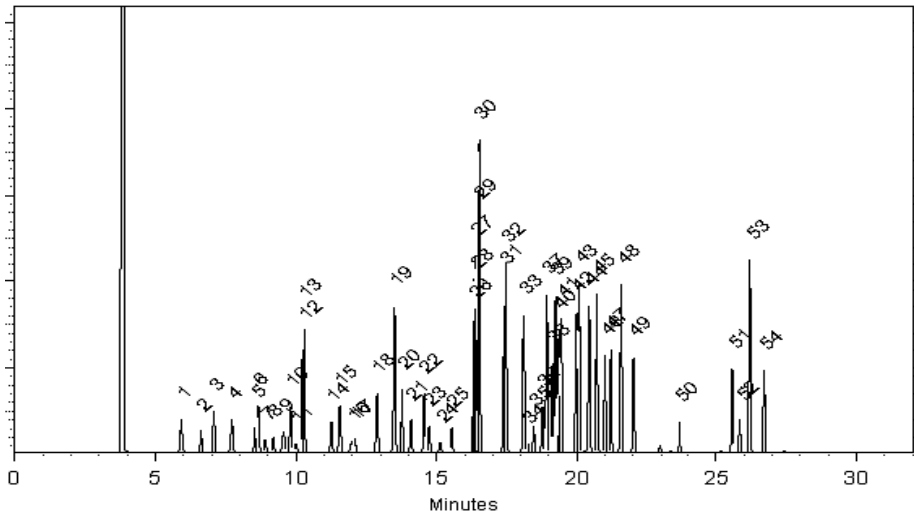
53	Naphthalene	91-20-3	MKCH0219	99%	5,029.9	µg/mL	+/- 283.3234
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,045.3	µg/mL	+/- 284.1908

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

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

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)
Carrier Gas:
hydrogen-constant pressure 11.0 psi.
Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)
Inj. Temp:
200°C
Det. Temp:
250°C
Det. Type:
FID
Split Vent:
40 ml/min
Inj. Vol
0.2µl



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

Nick Yaw
Nick Yaw - Operations Tech I

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

Christie Mills
Christie Mills - Operations Tech II - ARM QC

Date Passed: 05-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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Manufacturing Notes:

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

Reagent

MSV_MegaMix#2_00180



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom VOC MegaMix® #2 Standard

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

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

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0	SHBQ0917	99%	5,046.5 µg/mL	+/- 85.0489
2	2-Propanol (isopropanol)	67-63-0	SHBP6610	99%	25,172.0 µg/mL	+/- 411.6105
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00018685	99%	5,025.7 µg/mL	+/- 84.6978
4	tert-Butanol (TBA)	75-65-0	101619K21F-1	99%	25,170.0 µg/mL	+/- 411.5778
5	Methyl acetate	79-20-9	SHBP3100	99%	5,020.2 µg/mL	+/- 84.6051
6	Iodomethane (methyl iodide)	74-88-4	MKCN8012	99%	5,022.3 µg/mL	+/- 84.6416
7	Allyl chloride (3-chloropropene)	107-05-1	RD221118RSR	99%	5,038.8 µg/mL	+/- 84.9197
8	Carbon disulfide	75-15-0	N28F701	99%	5,028.2 µg/mL	+/- 84.7399
9	Acrylonitrile	107-13-1	102466R02E	99%	12,532.0 µg/mL	+/- 204.9222
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBP0179	99%	5,044.2 µg/mL	+/- 85.0096
11	n-Hexane (C6)	110-54-3	STBG6381	99%	5,016.0 µg/mL	+/- 84.5349
12	Diisopropyl ether (DIPE)	108-20-3	STBK3450	99%	5,043.0 µg/mL	+/- 84.9899
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S230420RSR	99%	5,037.3 µg/mL	+/- 84.8944
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCP5997	99%	5,034.8 µg/mL	+/- 84.8523
15	Propionitrile	107-12-0	BCCH7430	99%	25,000.0 µg/mL	+/- 408.7979
16	Methacrylonitrile	126-98-7	1012014	99%	12,520.0 µg/mL	+/- 204.7260

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBP7066	99%	62,545.0	µg/mL	+/- 1,022.7307
18	Tetrahydrofuran	109-99-9	SHBQ0910	99%	25,024.0	µg/mL	+/- 409.1904
19	Cyclohexane	110-82-7	MKQCQ2001	99%	5,039.5	µg/mL	+/- 84.9309
20	1-Butanol	71-36-3	101601K21K	99%	62,664.0	µg/mL	+/- 1,024.6765
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,021.8	µg/mL	+/- 84.6332
22	n-Heptane (C7)	142-82-5	044743N07T	99%	5,041.5	µg/mL	+/- 84.9646
23	tert-Amyl ethyl ether (TAE)	919-94-8	IKVYB	97%	5,049.3	µg/mL	+/- 85.0967
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,028.0	µg/mL	+/- 84.7371
25	Methyl methacrylate	80-62-6	MKQCQ2756	99%	5,012.3	µg/mL	+/- 84.4731
26	1,4-Dioxane	123-91-1	SHBN3770	99%	62,583.0	µg/mL	+/- 1,023.3520
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,024.1	µg/mL	+/- 409.1914
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,040.1	µg/mL	+/- 84.9414
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,046.3	µg/mL	+/- 85.0461
30	trans-1,4-dichloro-2-butene	110-57-6	RD221227RSRA	94%	12,618.6	µg/mL	+/- 206.3376
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-36	98%	5,002.6	µg/mL	+/- 84.3086
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,041.0	µg/mL	+/- 84.9562
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,045.3	µg/mL	+/- 85.0292
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,032.7	µg/mL	+/- 84.8158
35	1,2-Diethylbenzene	135-01-3	ECH2970181	99%	5,015.3	µg/mL	+/- 84.5236
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,003.8	µg/mL	+/- 84.3298
37	2-Methylnaphthalene	91-57-6	STBK0259	96%	5,002.4	µg/mL	+/- 84.3057

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 30 psi

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

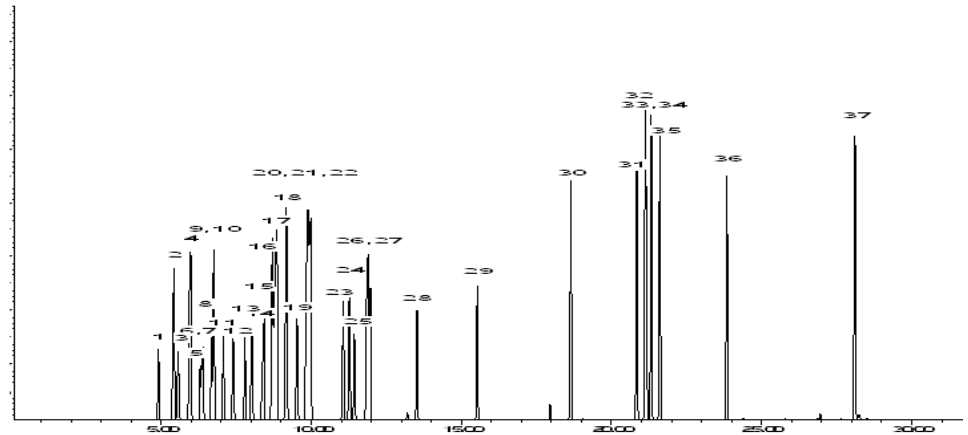
MSD

Split Vent:

25.0 ml/min.

Inj. Vol

1µl



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Apr-2023

Balance Serial # B251644995

Marlina Cowan
Marlina Cowan - Operations Tech II ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMix#2_00184



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom VOC MegaMix® #2 Standard

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

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

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0	SHBQ0917	99%	5,046.5 µg/mL	+/- 85.0489
2	2-Propanol (isopropanol)	67-63-0	SHBP6610	99%	25,172.0 µg/mL	+/- 411.6105
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00018685	99%	5,025.7 µg/mL	+/- 84.6978
4	tert-Butanol (TBA)	75-65-0	101619K21F-1	99%	25,170.0 µg/mL	+/- 411.5778
5	Methyl acetate	79-20-9	SHBP3100	99%	5,020.2 µg/mL	+/- 84.6051
6	Iodomethane (methyl iodide)	74-88-4	MKCN8012	99%	5,022.3 µg/mL	+/- 84.6416
7	Allyl chloride (3-chloropropene)	107-05-1	RD221118RSR	99%	5,038.8 µg/mL	+/- 84.9197
8	Carbon disulfide	75-15-0	N28F701	99%	5,028.2 µg/mL	+/- 84.7399
9	Acrylonitrile	107-13-1	102466R02E	99%	12,532.0 µg/mL	+/- 204.9222
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBP0179	99%	5,044.2 µg/mL	+/- 85.0096
11	n-Hexane (C6)	110-54-3	STBG6381	99%	5,016.0 µg/mL	+/- 84.5349
12	Diisopropyl ether (DIPE)	108-20-3	STBK3450	99%	5,043.0 µg/mL	+/- 84.9899
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S230420RSR	99%	5,037.3 µg/mL	+/- 84.8944
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCP5997	99%	5,034.8 µg/mL	+/- 84.8523
15	Propionitrile	107-12-0	BCCH7430	99%	25,000.0 µg/mL	+/- 408.7979
16	Methacrylonitrile	126-98-7	1012014	99%	12,520.0 µg/mL	+/- 204.7260

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBP7066	99%	62,545.0	µg/mL	+/- 1,022.7307
18	Tetrahydrofuran	109-99-9	SHBQ0910	99%	25,024.0	µg/mL	+/- 409.1904
19	Cyclohexane	110-82-7	MKQCQ2001	99%	5,039.5	µg/mL	+/- 84.9309
20	1-Butanol	71-36-3	101601K21K	99%	62,664.0	µg/mL	+/- 1,024.6765
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,021.8	µg/mL	+/- 84.6332
22	n-Heptane (C7)	142-82-5	044743N07T	99%	5,041.5	µg/mL	+/- 84.9646
23	tert-Amyl ethyl ether (TAE)	919-94-8	IKVYB	97%	5,049.3	µg/mL	+/- 85.0967
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,028.0	µg/mL	+/- 84.7371
25	Methyl methacrylate	80-62-6	MKQCQ2756	99%	5,012.3	µg/mL	+/- 84.4731
26	1,4-Dioxane	123-91-1	SHBN3770	99%	62,583.0	µg/mL	+/- 1,023.3520
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,024.1	µg/mL	+/- 409.1914
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,040.1	µg/mL	+/- 84.9414
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,046.3	µg/mL	+/- 85.0461
30	trans-1,4-dichloro-2-butene	110-57-6	RD221227RSRA	94%	12,618.6	µg/mL	+/- 206.3376
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-36	98%	5,002.6	µg/mL	+/- 84.3086
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,041.0	µg/mL	+/- 84.9562
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,045.3	µg/mL	+/- 85.0292
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,032.7	µg/mL	+/- 84.8158
35	1,2-Diethylbenzene	135-01-3	ECH2970181	99%	5,015.3	µg/mL	+/- 84.5236
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,003.8	µg/mL	+/- 84.3298
37	2-Methylnaphthalene	91-57-6	STBK0259	96%	5,002.4	µg/mL	+/- 84.3057

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 30 psi

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

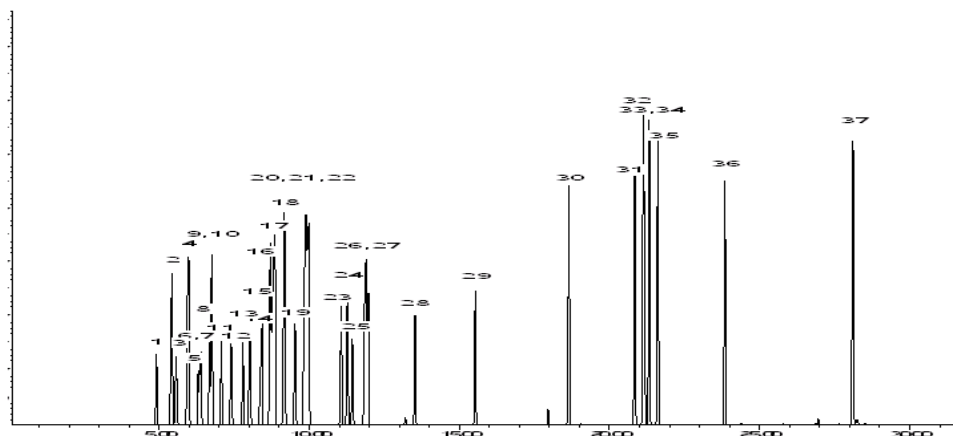
MSD

Split Vent:

25.0 ml/min.

Inj. Vol

1µl



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Apr-2023

Balance Serial # B251644995

Marlina Cowan
Marlina Cowan - Operations Tech II ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Q_Ketones_00188



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

Purity 99%

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

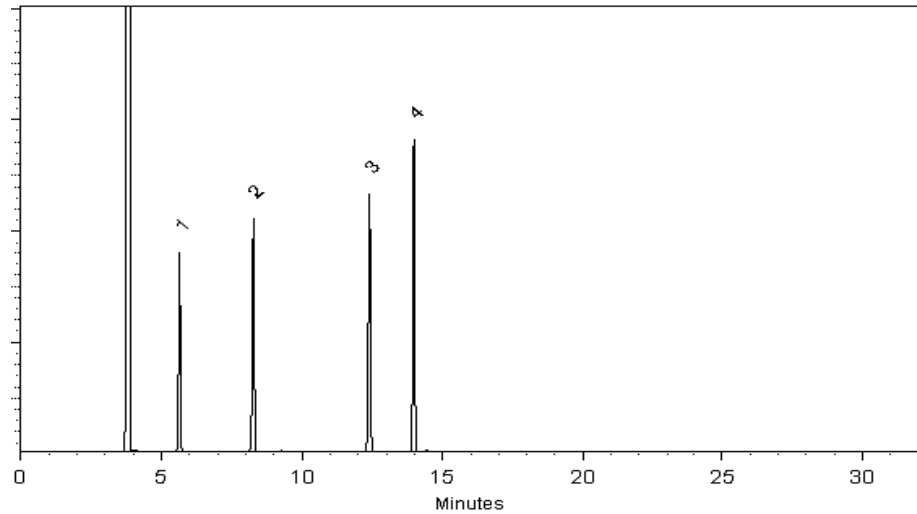
FID

Split Vent:

40 ml/min

Inj. Vol

0.2µl



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


Bryan Snyder - Operations Tech I

Date Mixed: 14-Feb-2023

Balance Serial # 1128342314


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Feb-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Q_Ketones_00190



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

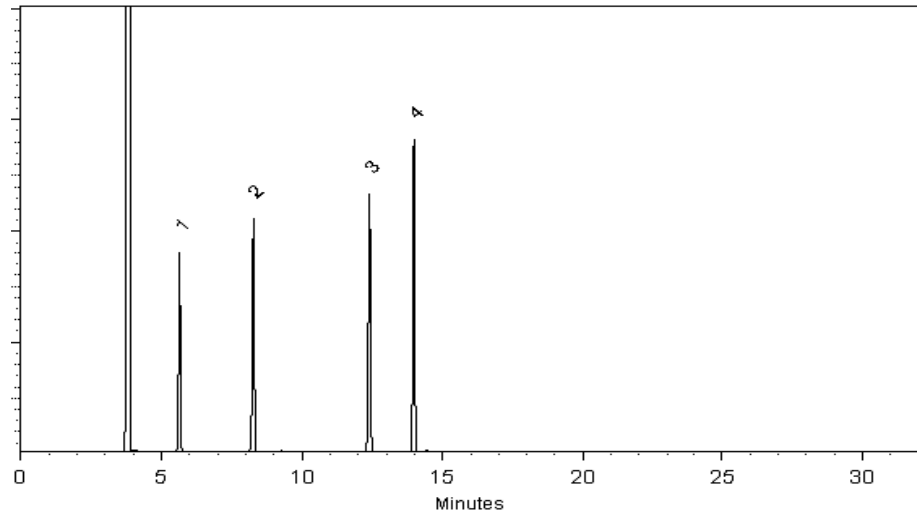
FID

Split Vent:

40 ml/min

Inj. Vol

0.2µl



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


Bryan Snyder - Operations Tech I

Date Mixed: 14-Feb-2023

Balance Serial # 1128342314


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Feb-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Q_Ketones_00191



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

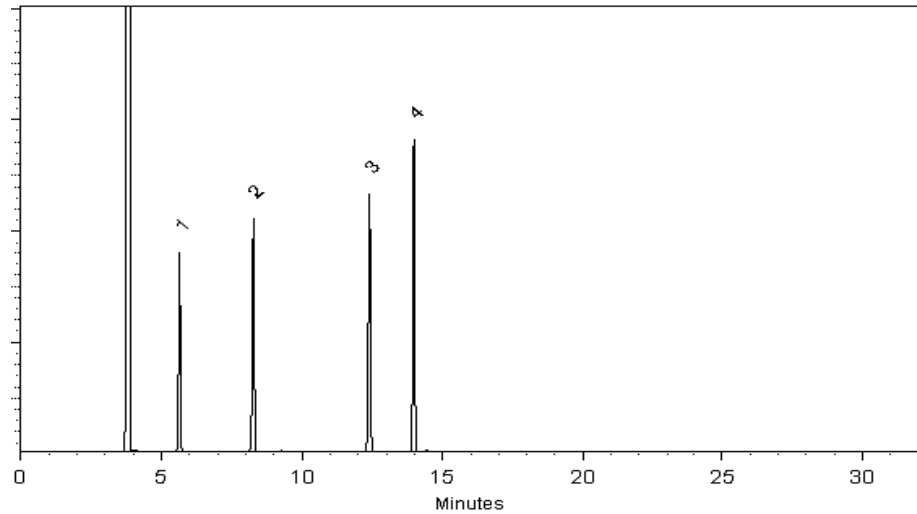
FID

Split Vent:

40 ml/min

Inj. Vol

0.2µl



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


Bryan Snyder - Operations Tech I

Date Mixed: 14-Feb-2023

Balance Serial # 1128342314


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Feb-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00160



CERTIFIED REFERENCE MATERIAL

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. : 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

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 27545) Purity 99%	2,000.3 µg/mL	+/- 17.8749 µg/mL Gravimetric +/- 112.9722 µg/mL Unstressed +/- 115.5779 µg/mL Stressed
2	Chloromethane (methyl chloride) CAS # 74-87-3.SEC (Lot 18343) Purity 99%	2,002.3 µg/mL	+/- 19.9305 µg/mL Gravimetric +/- 113.4254 µg/mL Unstressed +/- 116.0260 µg/mL Stressed
3	Vinyl chloride CAS # 75-01-4.SEC (Lot MKBK6872V) Purity 99%	2,002.4 µg/mL	+/- 21.8874 µg/mL Gravimetric +/- 113.7916 µg/mL Unstressed +/- 116.3843 µg/mL Stressed
4	1,3-Butadiene CAS # 106-99-0.SEC (Lot 26996) Purity 99%	2,003.4 µg/mL	+/- 24.0683 µg/mL Gravimetric +/- 114.2862 µg/mL Unstressed +/- 116.8705 µg/mL Stressed
5	Bromomethane (methyl bromide) CAS # 74-83-9.SEC (Lot 00017022) Purity 99%	2,007.9 µg/mL	+/- 17.0860 µg/mL Gravimetric +/- 113.2712 µg/mL Unstressed +/- 115.8898 µg/mL Stressed
6	Chloroethane (ethyl chloride) CAS # 75-00-3.SEC (Lot 00004202) Purity 98%	2,002.2 µg/mL	+/- 20.1773 µg/mL Gravimetric +/- 113.4619 µg/mL Unstressed +/- 116.0614 µg/mL Stressed
7	Dichlorofluoromethane (CFC-21) CAS # 75-43-4 * (Lot 12841600) Purity 99%	2,000.0 µg/mL	+/- 11.7371 µg/mL Gravimetric +/- 112.1494 µg/mL Unstressed +/- 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		
	Purity	99%				+/-	114.7730		
									Unstressed
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		
	Purity	99%				+/-	117.0060		
									Unstressed

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:

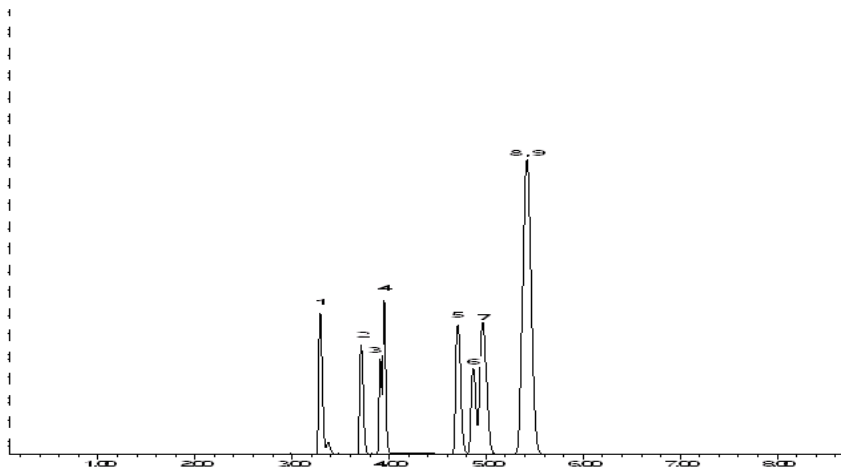
200°C

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
 Brandon Reish - Mix Technician

Date Mixed: 05-May-2022

Balance: 1127510105

Marlina Cowan
 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:

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

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_QC_2K_GAS_00222



CERTIFIED REFERENCE MATERIAL

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. : 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

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

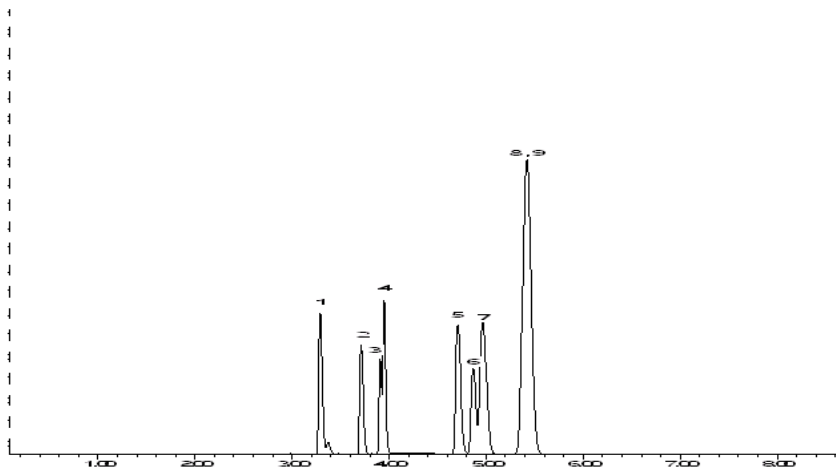
200°C

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
Brandon Reish - Mix Technician

Date Mixed: 05-May-2022

Balance: 1127510105

Marlina Cowan
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:

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

- 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_QC_2K_GAS_00223



CERTIFIED REFERENCE MATERIAL

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. : 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

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

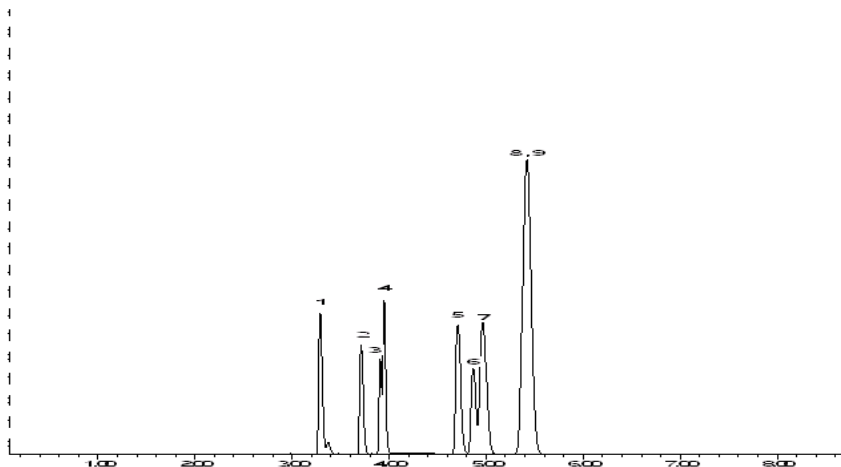
200°C

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
Brandon Reish - Mix Technician

Date Mixed: 05-May-2022

Balance: 1127510105

Marlina Cowan
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:

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

- k* is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
 - Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_2CLEVE_00184



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Chloroethyl vinyl ether	110-75-8	MKBS6526V	99%	5,040.0 µg/mL	+/- 62.7237

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

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

Tech Tips:

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

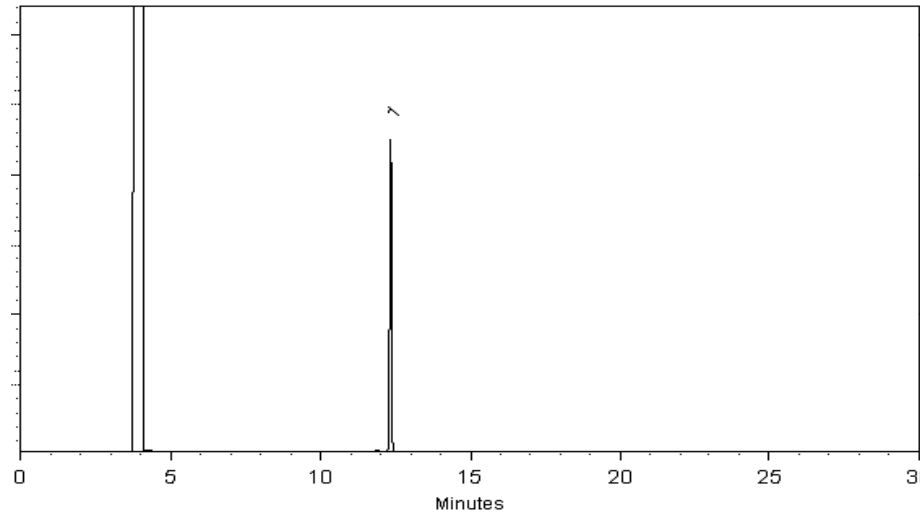
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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

Russ Bookhamer - Operations Technician I

Date Mixed: 26-Apr-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_Ketones_00167



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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

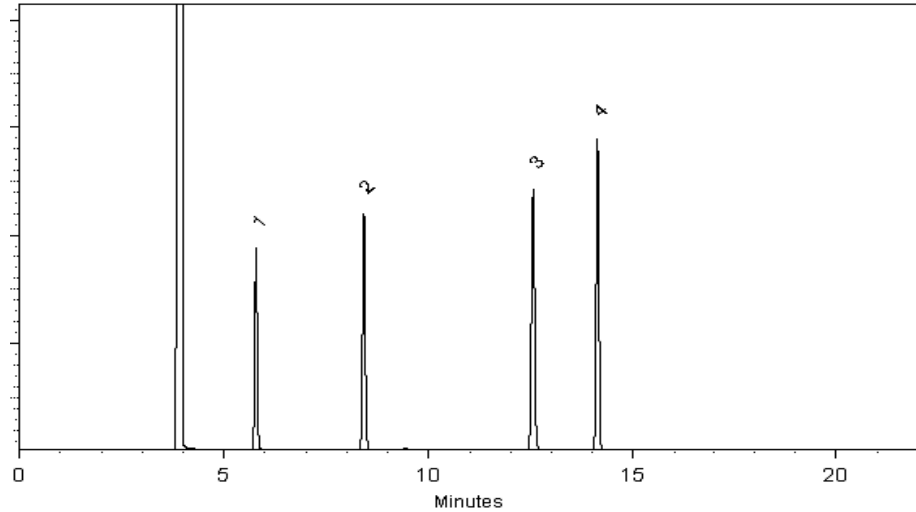
FID

Split Vent:

40 ml/min

Inj. Vol

0.2µl



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

Bethany Lowery - Operations Tech I

Date Mixed: 12-Jan-2023

Balance Serial # B251644995

Christie Mills - Operations Tech II - ARM QC

Date Passed: 16-Jan-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_Ketones_00169



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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

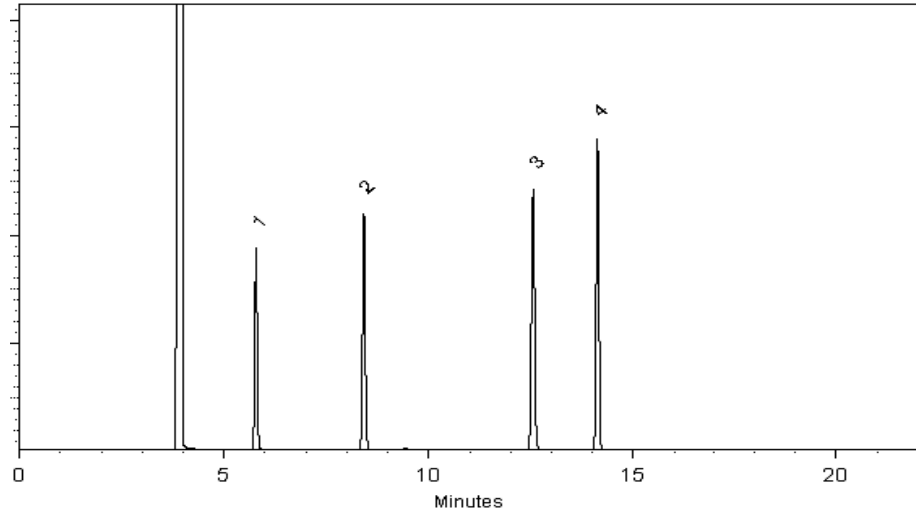
FID

Split Vent:

40 ml/min

Inj. Vol

0.2µl



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

Bethany Lowery - Operations Tech I

Date Mixed: 12-Jan-2023

Balance Serial # B251644995

Christie Mills - Operations Tech II - ARM QC

Date Passed: 16-Jan-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_PentaCL_00048



CERTIFIED REFERENCE MATERIAL

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

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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. : 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

CERTIFIED VALUES

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)

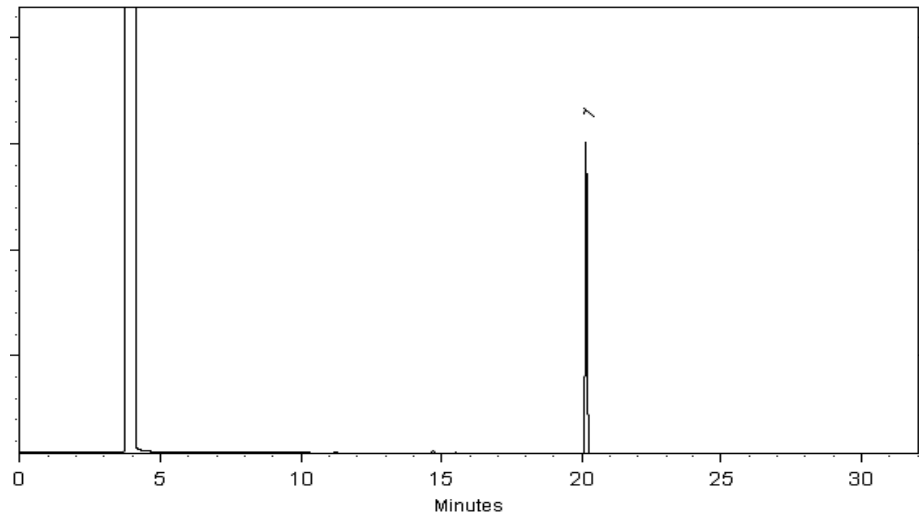
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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
Nick Yaw - Operations Tech I

Christie Mills
Christie Mills - Operations Technician II

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

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:

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

- k* is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
 - Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_SMFreon_00039



CERTIFIED REFERENCE MATERIAL

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

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

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

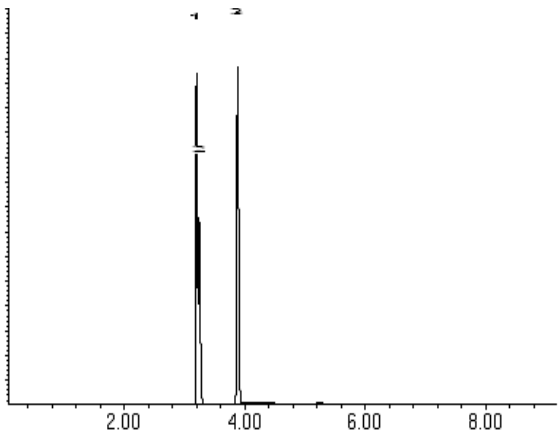
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Cathleen Soltis
Cathleen Soltis - Mix Technician

Date Mixed: 25-Apr-2022 Balance: B707717271

Christie Mills
Christie Mills - Operations Technician II

Date Passed: 02-May-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

- 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.

Method 8260D Low Level

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

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	410-177855-1	102	99	101	95
HD-COD-SW-7-0/1-0	410-177855-2	102	101	99	93
HD-COD-SW-8-0/1-0	410-177855-3	102	102	100	94
HD-COD-SW-9-0/1-0	410-177855-4	102	100	100	94
HD-COD-SW-13-0/1-0	410-177855-5	102	100	100	94
HD-COD-SW-15-0/1-0	410-177855-6	102	101	100	93
HD-COD-SW-16-0/1-0	410-177855-7	103	102	101	95
HD-COD-SW-17-0/1-0	410-177855-8	102	101	98	94
HD-COD-SW-17-0/1-0 DL	410-177855-8 DL	102	104	99	92
HD-COD-SW-26-0/1-0	410-177855-9	101	102	100	95
HD-COD-SW-27-0/1-0	410-177855-10	102	102	101	94
HD-COD-SW-28-0/1-0	410-177855-11	102	101	100	93
HD-COD-SW-29-0/1-0	410-177855-12	102	100	100	94
HD-QC1-0/1-1	410-177855-13	103	103	97	93
HD-QC1-0/1-1 DL	410-177855-13 DL	103	103	96	90
HD-QC1-0/1-2	410-177855-14	102	102	98	94
	MB 410-523863/7	101	100	100	94
	MB 410-525536/6	101	100	99	95
	MB 410-526240/6	101	103	100	91
	LCS 410-523863/4	101	102	101	98
	LCS 410-525536/4	101	104	101	99
	LCS 410-526240/4	101	104	99	100
	LCSD 410-523863/5	100	100	102	99
HD-COD-SW-15-0/1-0 MS MS	410-177855-6 MS	101	106	102	97
HD-COD-SW-15-0/1-0 MSD MSD	410-177855-6 MSD	101	101	102	99

QC LIMITS

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

80-120
80-120
80-120
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.: 410-177855-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: CL02X03.D

Lab ID: LCS 410-523863/4

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.85	97	71-134	
1,1,1-Trichloroethane	5.00	4.68	94	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.88	98	75-123	
1,1,2-Trichloroethane	5.00	4.93	99	80-120	
1,1-Dichloroethane	5.00	4.72	94	74-120	
1,1-Dichloroethene	5.00	4.79	96	80-131	
1,2-Dibromoethane (EDB)	5.00	4.88	98	80-120	
1,2-Dichloroethane	5.00	4.94	99	69-122	
1,2-Dichloropropane	5.00	4.88	98	80-120	
2-Butanone (MEK)	62.5	68.1	109	59-141	
2-Hexanone	62.5	67.6	108	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	67.5	108	55-140	
Acetone	62.5	63.7	102	60-146	
Benzene	5.00	4.73	95	80-120	
Bromochloromethane	5.00	5.07	101	80-120	
Bromodichloromethane	5.00	4.78	96	73-124	
Bromoform	5.00	4.58	92	49-144	
Bromomethane	5.00	4.81	96	60-136	
Carbon disulfide	5.00	4.41	88	67-130	
Carbon tetrachloride	5.00	4.60	92	64-141	
Chlorobenzene	5.00	4.85	97	80-120	
Chloroethane	5.00	4.72	94	63-120	
Chloroform	5.00	4.57	91	80-120	
Chloromethane	5.00	4.59	92	56-124	
cis-1,2-Dichloroethene	5.00	4.72	94	80-122	
cis-1,3-Dichloropropene	5.00	4.52	90	67-121	
Dibromochloromethane	5.00	4.90	98	64-138	
Ethylbenzene	5.00	4.68	94	80-120	
Methyl tert-butyl ether	5.00	4.54	91	69-120	
Methylene Chloride	5.00	4.62	92	80-120	
Styrene	5.00	4.83	97	80-120	
Tetrachloroethene	5.00	4.76	95	80-120	
Toluene	5.00	4.74	95	80-120	
trans-1,2-Dichloroethene	5.00	4.60	92	80-122	
trans-1,3-Dichloropropene	5.00	4.67	93	61-129	
Trichloroethene	5.00	4.57	91	80-120	
Vinyl chloride	5.00	4.57	91	60-125	
Xylenes, Total	15.0	14.1	94	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: CL08X03.D

Lab ID: LCS 410-525536/4

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.01	100	71-134	
1,1,1-Trichloroethane	5.00	4.92	98	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.84	97	75-123	
1,1,2-Trichloroethane	5.00	5.06	101	80-120	
1,1-Dichloroethane	5.00	5.00	100	74-120	
1,1-Dichloroethene	5.00	5.04	101	80-131	
1,2-Dibromoethane (EDB)	5.00	5.08	102	80-120	
1,2-Dichloroethane	5.00	5.11	102	69-122	
1,2-Dichloropropane	5.00	5.05	101	80-120	
2-Butanone (MEK)	62.5	69.3	111	59-141	
2-Hexanone	62.5	68.4	109	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	68.0	109	55-140	
Acetone	62.5	63.8	102	60-146	
Benzene	5.00	4.97	99	80-120	
Bromochloromethane	5.00	5.18	104	80-120	
Bromodichloromethane	5.00	5.04	101	73-124	
Bromoform	5.00	4.75	95	49-144	
Bromomethane	5.00	4.43	89	60-136	
Carbon disulfide	5.00	4.87	97	67-130	
Carbon tetrachloride	5.00	4.87	97	64-141	
Chlorobenzene	5.00	5.06	101	80-120	
Chloroethane	5.00	4.49	90	63-120	
Chloroform	5.00	4.79	96	80-120	
Chloromethane	5.00	4.51	90	56-124	
cis-1,2-Dichloroethene	5.00	5.03	101	80-122	
cis-1,3-Dichloropropene	5.00	4.68	94	67-121	
Dibromochloromethane	5.00	5.07	101	64-138	
Ethylbenzene	5.00	4.96	99	80-120	
Methyl tert-butyl ether	5.00	4.77	95	69-120	
Methylene Chloride	5.00	4.85	97	80-120	
Styrene	5.00	5.00	100	80-120	
Tetrachloroethene	5.00	4.93	99	80-120	
Toluene	5.00	5.00	100	80-120	
trans-1,2-Dichloroethene	5.00	4.91	98	80-122	
trans-1,3-Dichloropropene	5.00	4.88	98	61-129	
Trichloroethene	5.00	4.78	96	80-120	
Vinyl chloride	5.00	4.22	84	60-125	
Xylenes, Total	15.0	14.8	99	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: GL09X33.D

Lab ID: LCS 410-526240/4

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.76	115	71-134	
1,1,1-Trichloroethane	5.00	5.59	112	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.99	120	75-123	
1,1,2-Trichloroethane	5.00	5.86	117	80-120	
1,1-Dichloroethane	5.00	5.72	114	74-120	
1,1-Dichloroethene	5.00	5.40	108	80-131	
1,2-Dibromoethane (EDB)	5.00	6.12	122	80-120	*+
1,2-Dichloroethane	5.00	6.14	123	69-122	*+
1,2-Dichloropropane	5.00	5.74	115	80-120	
2-Butanone (MEK)	62.5	70.1	112	59-141	
2-Hexanone	62.5	71.6	115	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	66.5	106	55-140	
Acetone	62.5	72.1	115	60-146	
Benzene	5.00	5.41	108	80-120	
Bromochloromethane	5.00	5.94	119	80-120	
Bromodichloromethane	5.00	5.87	117	73-124	
Bromoform	5.00	5.96	119	49-144	
Bromomethane	5.00	4.20	84	60-136	
Carbon disulfide	5.00	5.37	107	67-130	
Carbon tetrachloride	5.00	5.65	113	64-141	
Chlorobenzene	5.00	5.53	111	80-120	
Chloroethane	5.00	4.10	82	63-120	
Chloroform	5.00	5.36	107	80-120	
Chloromethane	5.00	4.56	91	56-124	
cis-1,2-Dichloroethene	5.00	5.36	107	80-122	
cis-1,3-Dichloropropene	5.00	5.33	107	67-121	
Dibromochloromethane	5.00	6.15	123	64-138	
Ethylbenzene	5.00	5.56	111	80-120	
Methyl tert-butyl ether	5.00	5.69	114	69-120	
Methylene Chloride	5.00	5.43	109	80-120	
Styrene	5.00	5.91	118	80-120	
Tetrachloroethene	5.00	5.45	109	80-120	
Toluene	5.00	5.40	108	80-120	
trans-1,2-Dichloroethene	5.00	5.29	106	80-122	
trans-1,3-Dichloropropene	5.00	5.65	113	61-129	
Trichloroethene	5.00	5.37	107	80-120	
Vinyl chloride	5.00	4.17	83	60-125	
Xylenes, Total	15.0	16.8	112	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: CL02X04.D

Lab ID: LCSD 410-523863/5

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1,2-Tetrachloroethane	5.00	4.92	98	1	30	71-134	
1,1,1-Trichloroethane	5.00	4.77	95	2	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.84	97	1	30	75-123	
1,1,2-Trichloroethane	5.00	4.91	98	0	30	80-120	
1,1-Dichloroethane	5.00	4.89	98	3	30	74-120	
1,1-Dichloroethene	5.00	4.73	95	1	30	80-131	
1,2-Dibromoethane (EDB)	5.00	4.91	98	1	30	80-120	
1,2-Dichloroethane	5.00	5.14	103	4	30	69-122	
1,2-Dichloropropane	5.00	4.96	99	2	30	80-120	
2-Butanone (MEK)	62.5	65.2	104	4	30	59-141	
2-Hexanone	62.5	64.3	103	5	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	64.7	103	4	30	55-140	
Acetone	62.5	61.3	98	4	30	60-146	
Benzene	5.00	4.78	96	1	30	80-120	
Bromochloromethane	5.00	5.03	101	1	30	80-120	
Bromodichloromethane	5.00	4.78	96	0	30	73-124	
Bromoform	5.00	4.72	94	3	30	49-144	
Bromomethane	5.00	4.78	96	1	30	60-136	
Carbon disulfide	5.00	4.55	91	3	30	67-130	
Carbon tetrachloride	5.00	4.73	95	3	30	64-141	
Chlorobenzene	5.00	4.94	99	2	30	80-120	
Chloroethane	5.00	4.76	95	1	30	63-120	
Chloroform	5.00	4.67	93	2	30	80-120	
Chloromethane	5.00	4.60	92	0	30	56-124	
cis-1,2-Dichloroethene	5.00	4.83	97	2	30	80-122	
cis-1,3-Dichloropropene	5.00	4.53	91	0	30	67-121	
Dibromochloromethane	5.00	4.98	100	1	30	64-138	
Ethylbenzene	5.00	4.85	97	3	30	80-120	
Methyl tert-butyl ether	5.00	4.66	93	3	30	69-120	
Methylene Chloride	5.00	4.66	93	1	30	80-120	
Styrene	5.00	4.91	98	2	30	80-120	
Tetrachloroethene	5.00	4.81	96	1	30	80-120	
Toluene	5.00	4.80	96	1	30	80-120	
trans-1,2-Dichloroethene	5.00	4.72	94	2	30	80-122	
trans-1,3-Dichloropropene	5.00	4.74	95	1	30	61-129	
Trichloroethene	5.00	4.69	94	3	30	80-120	
Vinyl chloride	5.00	4.60	92	1	30	60-125	
Xylenes, Total	15.0	14.4	96	2	30	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: CL08X13.D

Lab ID: 410-177855-6 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	5.38	108	71-134	
1,1,1-Trichloroethane	5.00	0.23 J	5.77	111	78-126	
1,1,2,2-Tetrachloroethane	5.00	ND	5.02	100	75-123	
1,1,2-Trichloroethane	5.00	ND	5.28	105	80-120	
1,1-Dichloroethane	5.00	ND	5.71	114	74-120	
1,1-Dichloroethene	5.00	0.15 J	6.05	118	80-131	
1,2-Dibromoethane (EDB)	5.00	ND	5.14	103	80-120	
1,2-Dichloroethane	5.00	ND	5.39	108	69-122	
1,2-Dichloropropane	5.00	ND	5.54	111	80-120	
2-Butanone (MEK)	62.6	ND	74.7	119	59-141	
2-Hexanone	62.6	ND	76.0	121	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	ND	75.5	121	55-140	
Acetone	62.6	ND	66.4	106	60-146	
Benzene	5.00	ND	5.45	109	80-120	
Bromochloromethane	5.00	ND	5.57	111	80-120	
Bromodichloromethane	5.00	ND	5.31	106	73-124	
Bromoform	5.00	ND	4.82	96	49-144	
Bromomethane	5.00	ND	4.83	97	60-136	
Carbon disulfide	5.00	ND	5.64	113	67-130	
Carbon tetrachloride	5.00	ND	5.70	114	64-141	
Chlorobenzene	5.00	ND	5.50	110	80-120	
Chloroethane	5.00	ND	4.89	98	63-120	
Chloroform	5.00	0.22 J	5.35	103	80-120	
Chloromethane	5.00	ND	4.79	96	80-120	
cis-1,2-Dichloroethene	5.00	0.76	6.21	109	80-122	
cis-1,3-Dichloropropene	5.00	ND	4.83	97	67-121	
Dibromochloromethane	5.00	ND	5.22	104	64-138	
Ethylbenzene	5.00	ND	5.47	109	80-120	
Methyl tert-butyl ether	5.00	ND	4.77	95	69-120	
Methylene Chloride	5.00	ND	5.23	105	80-120	
Styrene	5.00	ND	5.39	108	80-120	
Tetrachloroethene	5.00	4.5	10.0	110	80-120	
Toluene	5.00	ND	5.48	110	80-120	
trans-1,2-Dichloroethene	5.00	ND	5.59	112	80-122	
trans-1,3-Dichloropropene	5.00	ND	4.96	99	61-129	
Trichloroethene	5.00	0.97	6.29	106	80-120	
Vinyl chloride	5.00	ND	4.86	97	60-125	
Xylenes, Total	15.0	ND	16.1	107	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: CL08X14.D

Lab ID: 410-177855-6 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	REC	
1,1,1,2-Tetrachloroethane	5.00	5.20	104	3	30	71-134	
1,1,1-Trichloroethane	5.00	5.56	107	4	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.89	98	3	30	75-123	
1,1,2-Trichloroethane	5.00	5.16	103	2	30	80-120	
1,1-Dichloroethane	5.00	5.48	110	4	30	74-120	
1,1-Dichloroethene	5.00	5.75	112	5	30	80-131	
1,2-Dibromoethane (EDB)	5.00	5.08	101	1	30	80-120	
1,2-Dichloroethane	5.00	5.32	106	1	30	69-122	
1,2-Dichloropropane	5.00	5.28	105	5	30	80-120	
2-Butanone (MEK)	62.6	68.4	109	9	30	59-141	
2-Hexanone	62.6	68.6	110	10	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	69.3	111	9	30	55-140	
Acetone	62.6	61.3	98	8	30	60-146	
Benzene	5.00	5.27	105	3	30	80-120	
Bromochloromethane	5.00	5.37	107	4	30	80-120	
Bromodichloromethane	5.00	5.14	103	3	30	73-124	
Bromoform	5.00	4.64	93	4	30	49-144	
Bromomethane	5.00	4.99	100	3	30	60-136	
Carbon disulfide	5.00	5.40	108	4	30	67-130	
Carbon tetrachloride	5.00	5.44	109	5	30	64-141	
Chlorobenzene	5.00	5.32	106	3	30	80-120	
Chloroethane	5.00	5.02	100	3	30	63-120	
Chloroform	5.00	5.21	100	3	30	80-120	
Chloromethane	5.00	4.91	98	2	30	80-120	
cis-1,2-Dichloroethene	5.00	6.01	105	3	30	80-122	
cis-1,3-Dichloropropene	5.00	4.69	94	3	30	67-121	
Dibromochloromethane	5.00	5.12	102	2	30	64-138	
Ethylbenzene	5.00	5.27	105	4	30	80-120	
Methyl tert-butyl ether	5.00	4.69	94	2	30	69-120	
Methylene Chloride	5.00	5.09	102	3	30	80-120	
Styrene	5.00	5.17	103	4	30	80-120	
Tetrachloroethene	5.00	9.80	106	2	30	80-120	
Toluene	5.00	5.29	106	4	30	80-120	
trans-1,2-Dichloroethene	5.00	5.36	107	4	30	80-122	
trans-1,3-Dichloropropene	5.00	4.82	96	3	30	61-129	
Trichloroethene	5.00	6.07	102	4	30	80-120	
Vinyl chloride	5.00	4.84	97	0	30	60-125	
Xylenes, Total	15.0	15.6	104	3	30	80-120	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Lab File ID: CL02X06.D

Lab Sample ID: MB 410-523863/7

Matrix: Water

Heated Purge: (Y/N) N

Instrument ID: 10193

Date Analyzed: 07/02/2024 12:31

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 410-523863/4	CL02X03.D	07/02/2024 11:23
	LCSD 410-523863/5	CL02X04.D	07/02/2024 11:46
HD-QC1-0/1-2	410-177855-14	CL02X08.D	07/02/2024 13:17

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Lab File ID: CL08X05.D

Lab Sample ID: MB 410-525536/6

Matrix: Water

Heated Purge: (Y/N) N

Instrument ID: 10193

Date Analyzed: 07/08/2024 12:46

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 410-525536/4	CL08X03.D	07/08/2024 12:01
HD-COD-SW-6-0/1-0	410-177855-1	CL08X07.D	07/08/2024 13:31
HD-COD-SW-7-0/1-0	410-177855-2	CL08X08.D	07/08/2024 13:54
HD-COD-SW-8-0/1-0	410-177855-3	CL08X09.D	07/08/2024 14:17
HD-COD-SW-9-0/1-0	410-177855-4	CL08X10.D	07/08/2024 14:39
HD-COD-SW-13-0/1-0	410-177855-5	CL08X11.D	07/08/2024 15:02
HD-COD-SW-15-0/1-0	410-177855-6	CL08X12.D	07/08/2024 15:24
HD-COD-SW-15-0/1-0 MS MS	410-177855-6 MS	CL08X13.D	07/08/2024 15:46
HD-COD-SW-15-0/1-0 MSD MSD	410-177855-6 MSD	CL08X14.D	07/08/2024 16:09
HD-COD-SW-16-0/1-0	410-177855-7	CL08X15.D	07/08/2024 16:32
HD-COD-SW-17-0/1-0	410-177855-8	CL08X16.D	07/08/2024 16:54
HD-COD-SW-26-0/1-0	410-177855-9	CL08X17.D	07/08/2024 17:17
HD-COD-SW-27-0/1-0	410-177855-10	CL08X18.D	07/08/2024 17:40
HD-COD-SW-28-0/1-0	410-177855-11	CL08X19.D	07/08/2024 18:03
HD-COD-SW-29-0/1-0	410-177855-12	CL08X20.D	07/08/2024 18:25
HD-QC1-0/1-1	410-177855-13	CL08X21.D	07/08/2024 18:48

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Lab File ID: GL09X35.D

Lab Sample ID: MB 410-526240/6

Matrix: Water

Heated Purge: (Y/N) N

Instrument ID: 16334

Date Analyzed: 07/09/2024 22:12

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 410-526240/4	GL09X33.D	07/09/2024 21:28
HD-COD-SW-17-0/1-0 DL	410-177855-8 DL	GL09X40.D	07/10/2024 00:03
HD-QC1-0/1-1 DL	410-177855-13 DL	GL09X41.D	07/10/2024 00:25

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Lab File ID: CU14T01.D

BFB Injection Date: 06/14/2024

Instrument ID: 10193

BFB Injection Time: 17:48

Analysis Batch No.: 517601

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.5
75	30.0 - 60.0 % of mass 95	44.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.3
173	Less than 2.0 % of mass 174	0.7 (0.7) 1
174	Greater than 50% of mass 95	91.9
175	5.0 - 9.0 % of mass 174	6.5 (7.1) 1
176	95.0 - 101.0 % of mass 174	90.6 (98.7) 1
177	5.0 - 9.0 % of mass 176	6.0 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-517601/3	CU14X02.D	06/14/2024	18:42
	IC 410-517601/4	CU14X03.D	06/14/2024	19:05
	IC 410-517601/5	CU14X04.D	06/14/2024	19:27
	IC 410-517601/6	CU14X05.D	06/14/2024	19:50
	IC 410-517601/7	CU14X06.D	06/14/2024	20:13
	IC 410-517601/8	CU14X07.D	06/14/2024	20:35
	IC 410-517601/9	CU14X08.D	06/14/2024	20:58
	IC 410-517601/13	CU14X12.D	06/14/2024	22:28
	IC 410-517601/14	CU14X13.D	06/14/2024	22:51
	IC 410-517601/15	CU14X14.D	06/14/2024	23:14
	IC 410-517601/16	CU14X15.D	06/14/2024	23:36
	IC 410-517601/17	CU14X16.D	06/14/2024	23:59
	ICIS 410-517601/18	CU14X17.D	06/15/2024	0:22
	IC 410-517601/19	CU14X18.D	06/15/2024	0:45
	ICV 410-517601/21	CU14X20.D	06/15/2024	1:30

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Lab File ID: CL02T01.D

BFB Injection Date: 07/02/2024

Instrument ID: 10193

BFB Injection Time: 10:21

Analysis Batch No.: 523863

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.9
75	30.0 - 60.0 % of mass 95	44.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.8 (0.9) 1
174	Greater than 50% of mass 95	90.0
175	5.0 - 9.0 % of mass 174	6.6 (7.3) 1
176	95.0 - 101.0 % of mass 174	86.8 (96.5) 1
177	5.0 - 9.0 % of mass 176	5.7 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-523863/3	CL02X02.D	07/02/2024	11:00
	LCS 410-523863/4	CL02X03.D	07/02/2024	11:23
	LCSD 410-523863/5	CL02X04.D	07/02/2024	11:46
	MB 410-523863/7	CL02X06.D	07/02/2024	12:31
HD-QC1-0/1-2	410-177855-14	CL02X08.D	07/02/2024	13:17

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Lab File ID: CL08T01.D

BFB Injection Date: 07/08/2024

Instrument ID: 10193

BFB Injection Time: 10:51

Analysis Batch No.: 525536

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.0
75	30.0 - 60.0 % of mass 95	45.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.8 (0.9) 1
174	Greater than 50% of mass 95	88.0
175	5.0 - 9.0 % of mass 174	6.5 (7.4) 1
176	95.0 - 101.0 % of mass 174	85.5 (97.1) 1
177	5.0 - 9.0 % of mass 176	5.8 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-525536/3	CL08X02.D	07/08/2024	11:39
	LCS 410-525536/4	CL08X03.D	07/08/2024	12:01
	MB 410-525536/6	CL08X05.D	07/08/2024	12:46
HD-COD-SW-6-0/1-0	410-177855-1	CL08X07.D	07/08/2024	13:31
HD-COD-SW-7-0/1-0	410-177855-2	CL08X08.D	07/08/2024	13:54
HD-COD-SW-8-0/1-0	410-177855-3	CL08X09.D	07/08/2024	14:17
HD-COD-SW-9-0/1-0	410-177855-4	CL08X10.D	07/08/2024	14:39
HD-COD-SW-13-0/1-0	410-177855-5	CL08X11.D	07/08/2024	15:02
HD-COD-SW-15-0/1-0	410-177855-6	CL08X12.D	07/08/2024	15:24
HD-COD-SW-15-0/1-0 MS MS	410-177855-6 MS	CL08X13.D	07/08/2024	15:46
HD-COD-SW-15-0/1-0 MSD MSD	410-177855-6 MSD	CL08X14.D	07/08/2024	16:09
HD-COD-SW-16-0/1-0	410-177855-7	CL08X15.D	07/08/2024	16:32
HD-COD-SW-17-0/1-0	410-177855-8	CL08X16.D	07/08/2024	16:54
HD-COD-SW-26-0/1-0	410-177855-9	CL08X17.D	07/08/2024	17:17
HD-COD-SW-27-0/1-0	410-177855-10	CL08X18.D	07/08/2024	17:40
HD-COD-SW-28-0/1-0	410-177855-11	CL08X19.D	07/08/2024	18:03
HD-COD-SW-29-0/1-0	410-177855-12	CL08X20.D	07/08/2024	18:25
HD-QC1-0/1-1	410-177855-13	CL08X21.D	07/08/2024	18:48

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Lab File ID: GU14T01.D

BFB Injection Date: 06/14/2024

Instrument ID: 16334

BFB Injection Time: 17:47

Analysis Batch No.: 518132

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.4
75	30.0 - 60.0 % of mass 95	49.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.5
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	79.8
175	5.0 - 9.0 % of mass 174	5.8 (7.3) 1
176	95.0 - 101.0 % of mass 174	79.1 (99.1) 1
177	5.0 - 9.0 % of mass 176	4.8 (6.0) 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 410-518132/3	GU14X02.D	06/14/2024	18:40
	IC 410-518132/4	GU14X03.D	06/14/2024	19:02
	IC 410-518132/5	GU14X04.D	06/14/2024	19:24
	IC 410-518132/6	GU14X05.D	06/14/2024	19:46
	IC 410-518132/7	GU14X06.D	06/14/2024	20:09
	IC 410-518132/8	GU14X07.D	06/14/2024	20:31
	IC 410-518132/9	GU14X08.D	06/14/2024	20:55
	IC 410-518132/13	GU14X12.D	06/14/2024	22:22
	IC 410-518132/14	GU14X13.D	06/14/2024	22:44
	IC 410-518132/15	GU14X14.D	06/14/2024	23:06
	IC 410-518132/16	GU14X15.D	06/14/2024	23:28
	IC 410-518132/17	GU14X16.D	06/14/2024	23:50
	ICIS 410-518132/18	GU14X17.D	06/15/2024	0:12
	IC 410-518132/19	GU14X18.D	06/15/2024	0:34
	ICV 410-518132/21	GU14X20.D	06/15/2024	1:18

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
Environment Testing, LLC

SDG No.: _____

Lab File ID: GL09T31.D BFB Injection Date: 07/09/2024

Instrument ID: 16334 BFB Injection Time: 20:30

Analysis Batch No.: 526240

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.8
75	30.0 - 60.0 % of mass 95	49.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	77.6
175	5.0 - 9.0 % of mass 174	6.3 (8.1) 1
176	95.0 - 101.0 % of mass 174	73.8 (95.2) 1
177	5.0 - 9.0 % of mass 176	5.0 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-526240/3	GL09X32.D	07/09/2024	21:06
	LCS 410-526240/4	GL09X33.D	07/09/2024	21:28
	MB 410-526240/6	GL09X35.D	07/09/2024	22:12
HD-COD-SW-17-0/1-0 DL	410-177855-8 DL	GL09X40.D	07/10/2024	0:03
HD-QC1-0/1-1 DL	410-177855-13 DL	GL09X41.D	07/10/2024	0:25

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: ICIS 410-517601/18 Date Analyzed: 06/15/2024 00:22

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): CU14X17.D Heated Purge: (Y/N) N

Calibration ID: 62906

	TBAd10		FB		CBZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	188699	3.80	2282400	7.27	1791303	10.90	
UPPER LIMIT	377398	4.30	4564800	7.77	3582606	11.40	
LOWER LIMIT	94350	3.30	1141200	6.77	895652	10.40	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-517601/21		167301	3.80	2240698	7.27	1763975	10.90
CCVIS 410-523863/3		183334	3.77	2258972	7.26	1789294	10.90
CCVIS 410-525536/3		179031	3.80	2346142	7.27	1852533	10.90

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 Job No.: 410-177855-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-523863/3 Date Analyzed: 07/02/2024 11:00

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): CL02X02.D Heated Purge: (Y/N) N

Calibration ID: 62906

	TBAd10		FB		CBZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	183334	3.77	2258972	7.26	1789294	10.90	
UPPER LIMIT	366668	4.27	4517944	7.76	3578588	11.40	
LOWER LIMIT	91667	3.27	1129486	6.76	894647	10.40	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-523863/4		174489	3.79	2356952	7.27	1838921	10.90
LCSD 410-523863/5		184224	3.79	2355661	7.27	1844233	10.90
MB 410-523863/7		172722	3.80	2249883	7.26	1762775	10.90
410-177855-14	HD-QC1-0/1-2	175671	3.80	2216096	7.26	1759900	10.90

TBA_d10 = t-Butyl alcohol-d₁₀ (IS)
 TBA_d10 = t-Butyl alcohol-d₁₀ (IS)
 FB = Fluorobenzene (IS)

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-525536/3 Date Analyzed: 07/08/2024 11:39

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): CL08X02.D Heated Purge: (Y/N) N

Calibration ID: 62906

	TBAd10		FB		CBZd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	179031	3.80	2346142	7.27	1852533	10.90
UPPER LIMIT	358062	4.30	4692284	7.77	3705066	11.40
LOWER LIMIT	89516	3.30	1173071	6.77	926267	10.40
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 410-525536/4			171120	3.80	2332092	7.27
MB 410-525536/6			161307	3.79	2249767	7.26
410-177855-1	HD-COD-SW-6-0/1-0		152739	3.79	2224943	7.26
410-177855-2	HD-COD-SW-7-0/1-0		163976	3.80	2214041	7.26
410-177855-3	HD-COD-SW-8-0/1-0		155218	3.79	2171311	7.26
410-177855-4	HD-COD-SW-9-0/1-0		145726	3.81	2185576	7.27
410-177855-5	HD-COD-SW-13-0/1-0		156193	3.81	2199073	7.27
410-177855-6	HD-COD-SW-15-0/1-0		135707	3.80	2151696	7.26
410-177855-6 MS	HD-COD-SW-15-0/1-0 MS MS		144717	3.77	2234089	7.26
410-177855-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD		161662	3.78	2278289	7.26
410-177855-7	HD-COD-SW-16-0/1-0		151156	3.80	2233858	7.26
410-177855-8	HD-COD-SW-17-0/1-0		130263	3.79	2198668	7.27
410-177855-9	HD-COD-SW-26-0/1-0		144843	3.78	2172563	7.26
410-177855-10	HD-COD-SW-27-0/1-0		141222	3.80	2176183	7.26
410-177855-11	HD-COD-SW-28-0/1-0		135892	3.79	2153695	7.26
410-177855-12	HD-COD-SW-29-0/1-0		155591	3.80	2179948	7.26
410-177855-13	HD-QC1-0/1-1		152535	3.79	2147351	7.26

TBAd10 = t-Butyl alcohol-d10 (IS)

TBAd10 = t-Butyl alcohol-d10 (IS)

FB = Fluorobenzene (IS)

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-525536/3 Date Analyzed: 07/08/2024 11:39

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): CL08X02.D Heated Purge: (Y/N) N

Calibration ID: 62906

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		1107439	12.84				
UPPER LIMIT		2214878	13.34				
LOWER LIMIT		553720	12.34				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-525536/4		1090017	12.84				
MB 410-525536/6		984984	12.84				
410-177855-1	HD-COD-SW-6-0/1-0	962444	12.84				
410-177855-2	HD-COD-SW-7-0/1-0	964286	12.84				
410-177855-3	HD-COD-SW-8-0/1-0	943271	12.84				
410-177855-4	HD-COD-SW-9-0/1-0	950443	12.84				
410-177855-5	HD-COD-SW-13-0/1-0	953683	12.84				
410-177855-6	HD-COD-SW-15-0/1-0	934833	12.84				
410-177855-6 MS	HD-COD-SW-15-0/1-0 MS MS	1021177	12.84				
410-177855-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	1038790	12.84				
410-177855-7	HD-COD-SW-16-0/1-0	959293	12.84				
410-177855-8	HD-COD-SW-17-0/1-0	959461	12.84				
410-177855-9	HD-COD-SW-26-0/1-0	945640	12.84				
410-177855-10	HD-COD-SW-27-0/1-0	939734	12.84				
410-177855-11	HD-COD-SW-28-0/1-0	926856	12.84				
410-177855-12	HD-COD-SW-29-0/1-0	951153	12.84				
410-177855-13	HD-QC1-0/1-1	942690	12.84				

DCBd4 = 1,4-Dichlorobenzene-d4

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: ICIS 410-518132/18 Date Analyzed: 06/15/2024 00:12

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

Lab File ID (Standard): GU14X17.D Heated Purge: (Y/N) N

Calibration ID: 62917

	TBA _d 10		FB		CBZ _d 5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	89294	3.96	1939200	7.43	1391128	10.96
UPPER LIMIT	178588	4.46	3878400	7.93	2782256	11.46
LOWER LIMIT	44647	3.46	969600	6.93	695564	10.46
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 410-518132/21			85916	3.97	2071783	7.44
CCVIS 410-526240/3			105552	3.96	2004729	7.43
					1477768	10.96
					1428641	10.96

TBA_d10 = t-Butyl alcohol-d₁₀ (IS)

FB = Fluorobenzene (IS)

CBZ_d5 = 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

Job No.: 410-177855-1

Sample No.: ICIS 410-518132/18

Date Analyzed: 06/15/2024 00:12

Instrument ID: 16334

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

Lab File ID (Standard): GU14X17.D

Heated Purge: (Y/N) N

Calibration ID: 62917

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		768999	12.85				
UPPER LIMIT		1537998	13.35				
LOWER LIMIT		384500	12.35				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-518132/21		812365	12.85				
CCVIS 410-526240/3		809455	12.85				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 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 Job No.: 410-177855-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-526240/3 Date Analyzed: 07/09/2024 21:06

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

Lab File ID (Standard): GL09X32.D Heated Purge: (Y/N) N

Calibration ID: 62917

		TBAd10		FB		CBZd5		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		105552	3.96	2004729	7.43	1428641	10.96	
UPPER LIMIT		211104	4.46	4009458	7.93	2857282	11.46	
LOWER LIMIT		52776	3.46	1002365	6.93	714321	10.46	
LAB SAMPLE ID		CLIENT SAMPLE ID						
LCS 410-526240/4		93527	3.98	1750765	7.43	1245458	10.96	
MB 410-526240/6		92014	4.00	1868850	7.44	1326876	10.96	
410-177855-8 DL		HD-COD-SW-17-0/1-0 DL	88375	3.98	1773099	7.43	1269435	10.96
410-177855-13 DL		HD-QC1-0/1-1 DL	85778	3.99	1698813	7.44	1207880	10.96

TBA_d10 = t-Butyl alcohol-d₁₀ (IS)
 TBA_d10 = t-Butyl alcohol-d₁₀ (IS)
 FB = Fluorobenzene (IS)

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-526240/3 Date Analyzed: 07/09/2024 21:06

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

Lab File ID (Standard): GL09X32.D Heated Purge: (Y/N) N

Calibration ID: 62917

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		809455	12.85				
UPPER LIMIT		1618910	13.35				
LOWER LIMIT		404728	12.35				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-526240/4		681693	12.85				
MB 410-526240/6		676577	12.85				
410-177855-8 DL	HD-COD-SW-17-0/1-0 DL	646100	12.85				
410-177855-13 DL	HD-QC1-0/1-1 DL	551998	12.85				

DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-1

Matrix: Water

Lab File ID: CL08X07.D

Analysis Method: 8260D

Date Collected: 06/26/2024 08:49

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 13:31

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	2.2	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.099	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-1

Matrix: Water

Lab File ID: CL08X07.D

Analysis Method: 8260D

Date Collected: 06/26/2024 08:49

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 13:31

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.11	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		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\10193\20240708-118704.b\CL08X07.D
 Lims ID: 410-177855-A-1
 Client ID: HD-COD-SW-6-0/1-0
 Sample Type: Client
 Inject. Date: 08-Jul-2024 13:31:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-008
 Misc. Info.: 410-177855-A-1
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 11:08:21 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:08:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.988				ND	7
6 Vinyl chloride	62		2.085				ND	7
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.445				ND	7
18 1,1-Dichloroethene	96		3.189				ND	
20 Acetone	43	3.219	3.213	0.006	88	16858	2.23	
25 Carbon disulfide	76		3.457				ND	7
30 Methylene Chloride	84		3.780				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.792	3.798	-0.006	96	152739	50.0	
34 Methyl tert-butyl ether	73		4.140				ND	
35 trans-1,2-Dichloroethene	96		4.146				ND	
37 1,1-Dichloroethane	63		4.798				ND	
42 2-Butanone (MEK)	43	5.621	5.609	0.012	90	5335	0.3838	
43 cis-1,2-Dichloroethene	96	5.640	5.646	-0.006	78	6769	0.0992	
48 Chlorobromomethane	128		5.981				ND	
50 Chloroform	83	6.140	6.139	0.001	92	6437	0.0582	
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	94	546896	10.2	
53 1,1,1-Trichloroethane	97		6.365				ND	
56 Carbon tetrachloride	117		6.572				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.810	6.816	-0.006	98	109308	9.92	
60 Benzene	78	6.853	6.847	0.006	43	3139	0.0127	7a
61 1,2-Dichloroethane	62		6.920				ND	
* 65 Fluorobenzene (IS)	96	7.261	7.267	-0.006	99	2224943	10.0	
68 Trichloroethene	95	7.749	7.749	0.000	95	7837	0.1147	Ma
70 1,2-Dichloropropane	63		8.090				ND	
76 Dichlorobromomethane	83		8.450				ND	7
80 cis-1,3-Dichloropropene	75		9.023				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.224				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2238373	10.1	
84 Toluene	92	9.438	9.438	0.000	96	9383	0.0573	
85 trans-1,3-Dichloropropene	75		9.724				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.937				ND	
88 Tetrachloroethene	166		10.017				ND	7
106 2-Hexanone	43		10.175				ND	7
108 Chlorodibromomethane	129		10.328				ND	7
110 Ethylene Dibromide	107		10.437				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1724158	10.0	
113 Chlorobenzene	112		10.925				ND	
114 1,1,1,2-Tetrachloroethane	131		11.010				ND	
115 Ethylbenzene	91		11.017				ND	7
116 m-Xylene & p-Xylene	106		11.138				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.480				ND	7
119 Styrene	104		11.498				ND	7
120 Bromoform	173		11.651				ND	7
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	95	791178	9.53	
126 1,1,2,2-Tetrachloroethane	83		12.053				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	93	962444	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 09-Jul-2024 11:08:21

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X07.D

Injection Date: 08-Jul-2024 13:31:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-177855-A-1

Lab Sample ID: 410-177855-1

Worklist Smp#: 8

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

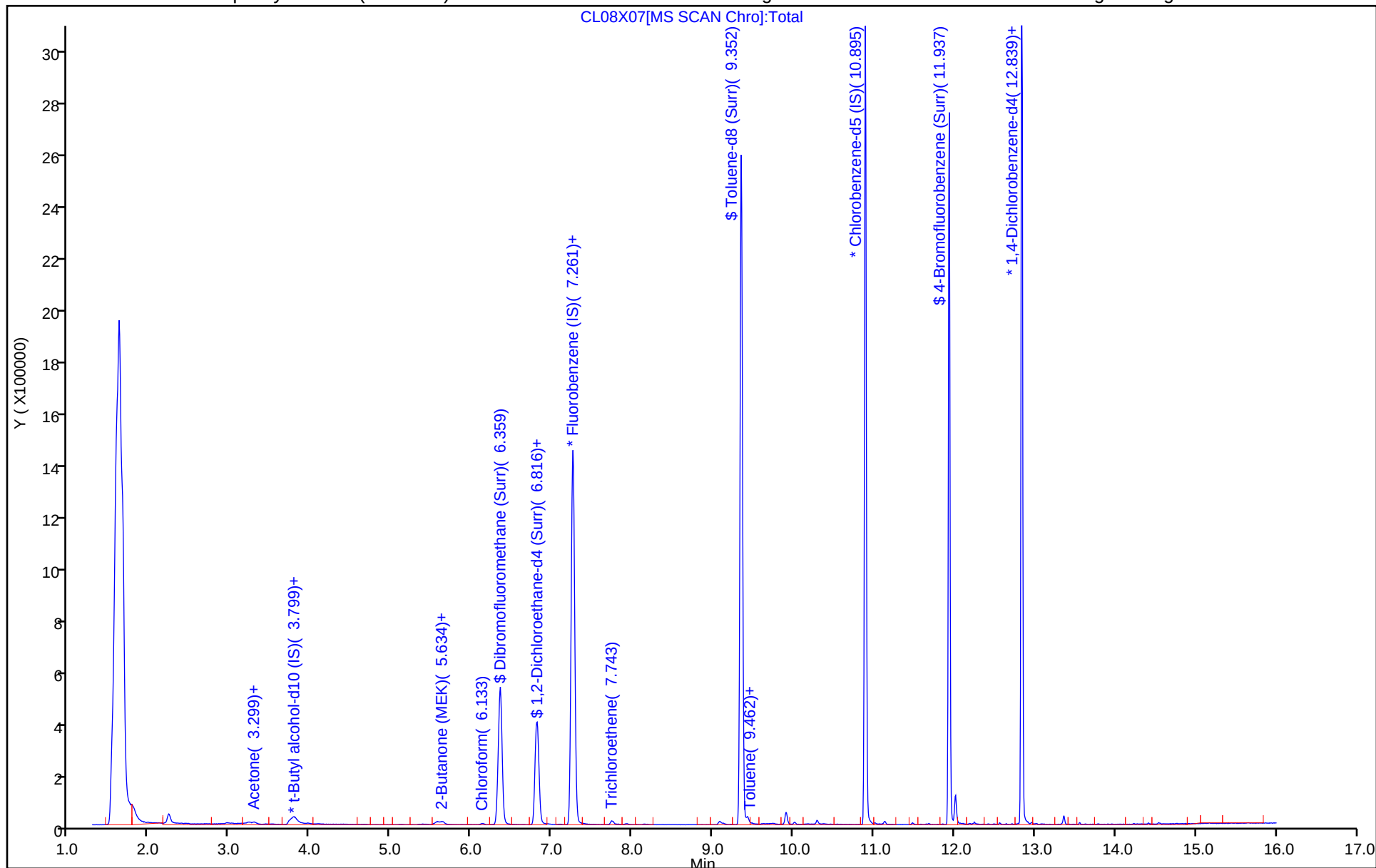
ALS Bottle#: 7

Method: MSV_10193_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\10193\20240708-118704.b\CL08X07.D
Lims ID: 410-177855-A-1
Client ID: HD-COD-SW-6-0/1-0
Sample Type: Client
Inject. Date: 08-Jul-2024 13:31:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-008
Misc. Info.: 410-177855-A-1
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 11:08:21 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:08:21

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.2	101.50
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.92	99.16
\$ 83 Toluene-d8 (Surr)	10.0	10.1	101.32
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.53	95.27

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X07.D

Injection Date: 08-Jul-2024 13:31:30

Instrument ID: 10193

Lims ID: 410-177855-A-1

Lab Sample ID: 410-177855-1

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

Operator ID: knk41612

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 25.000 mL

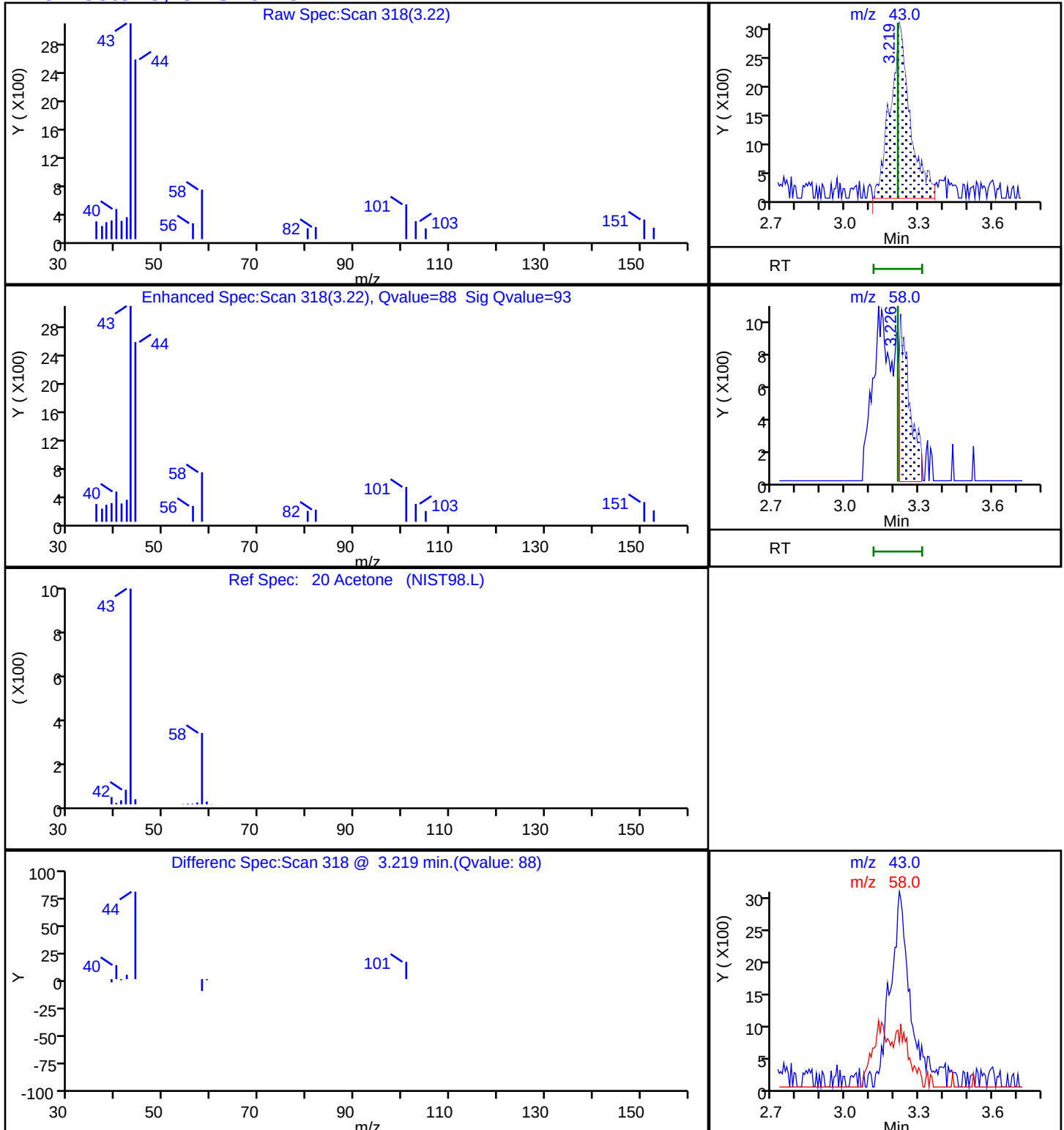
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

20 Acetone, CAS: 67-64-1

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X07.D

Injection Date: 08-Jul-2024 13:31:30

Instrument ID: 10193

Lims ID: 410-177855-A-1

Lab Sample ID: 410-177855-1

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

Operator ID: knk41612

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 25.000 mL

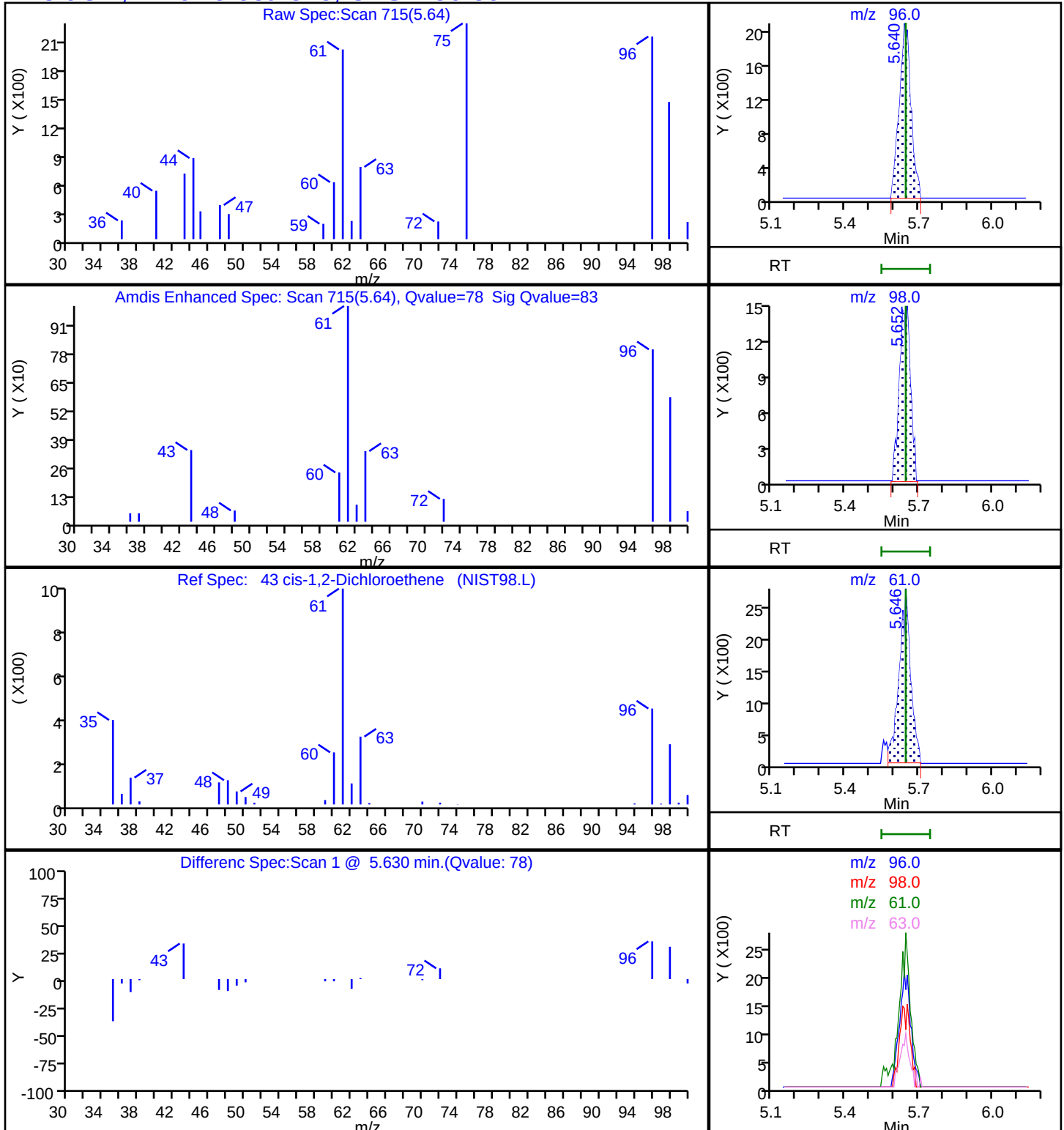
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X07.D

Injection Date: 08-Jul-2024 13:31:30

Instrument ID: 10193

Lims ID: 410-177855-A-1

Lab Sample ID: 410-177855-1

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

Operator ID: knk41612

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 25.000 mL

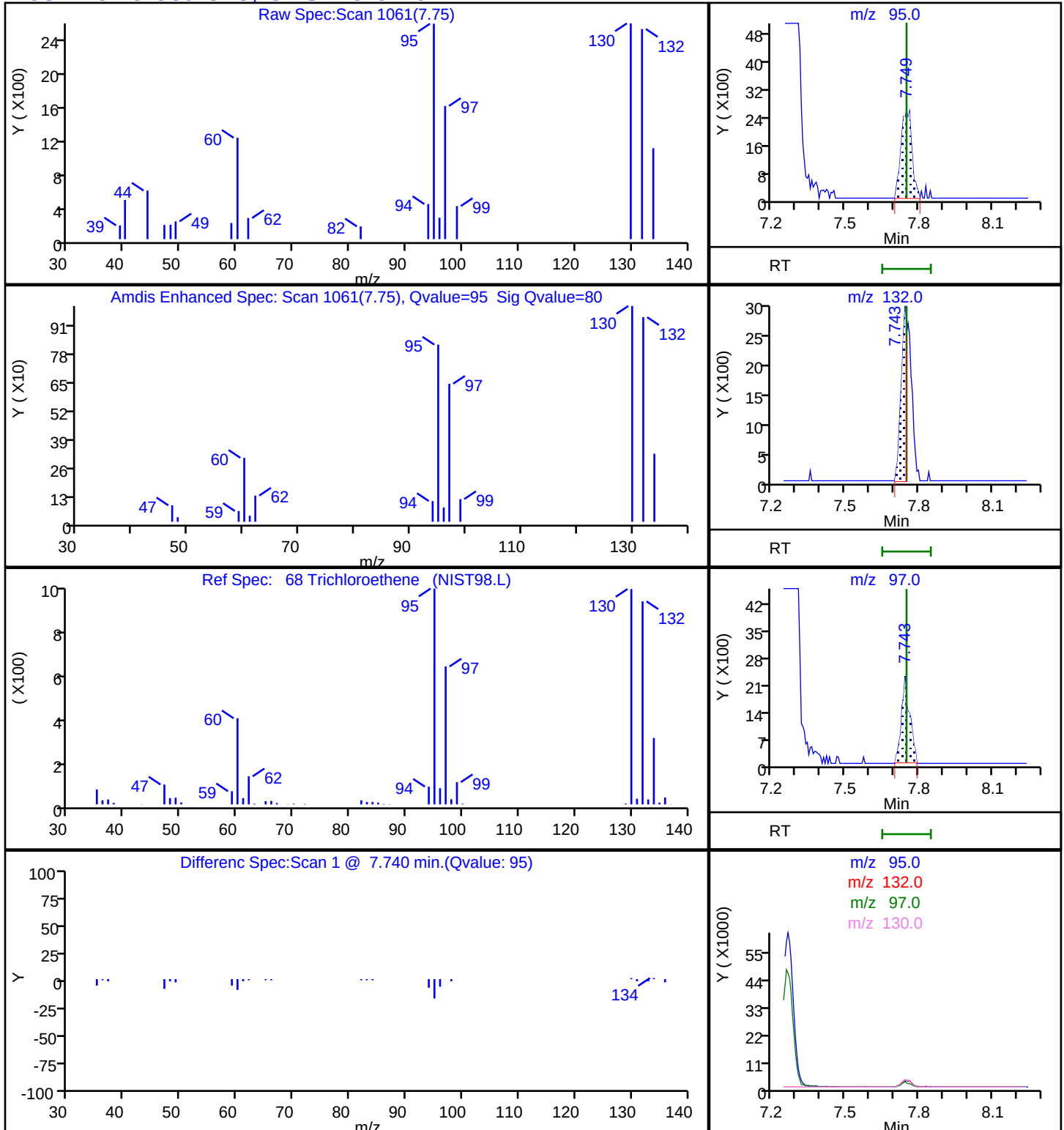
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

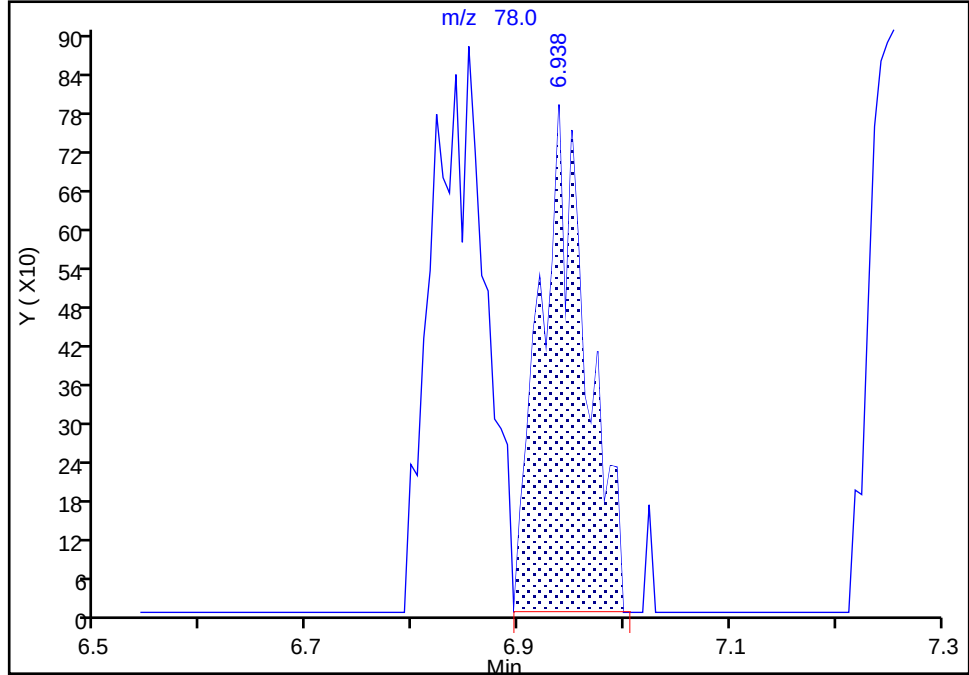
Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X07.D
Injection Date: 08-Jul-2024 13:31:30 Instrument ID: 10193
Lims ID: 410-177855-A-1 Lab Sample ID: 410-177855-1
Client ID: HD-COD-SW-6-0/1-0
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

60 Benzene, CAS: 71-43-2

Signal: 1

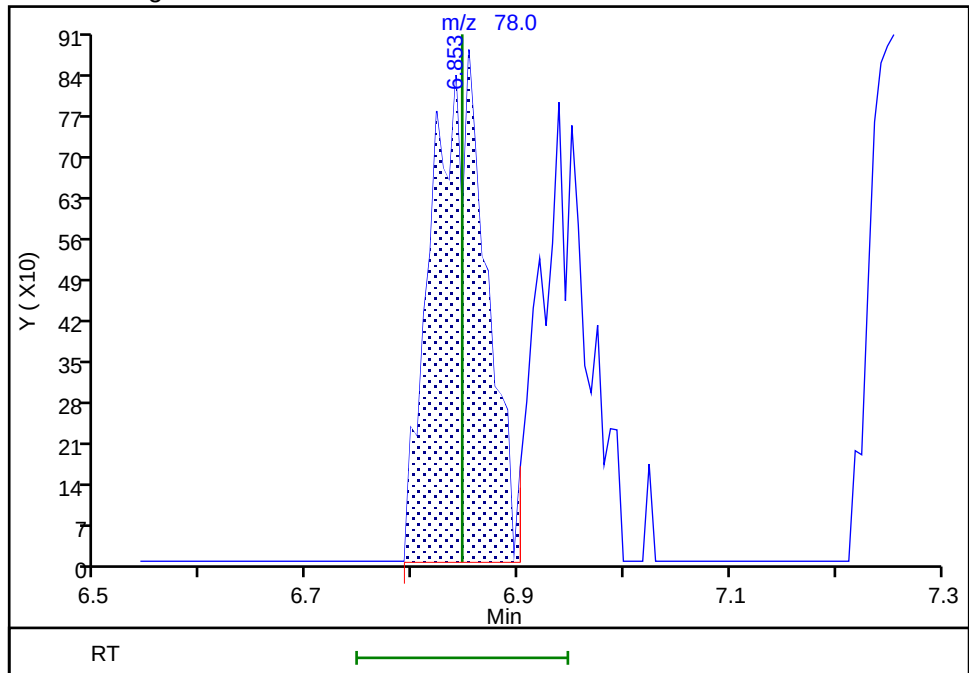
RT: 6.94
Area: 2412
Amount: 0.009720
Amount Units: ug/l

Processing Integration Results



RT: 6.85
Area: 3139
Amount: 0.012650
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 09-Jul-2024 11:08:01 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

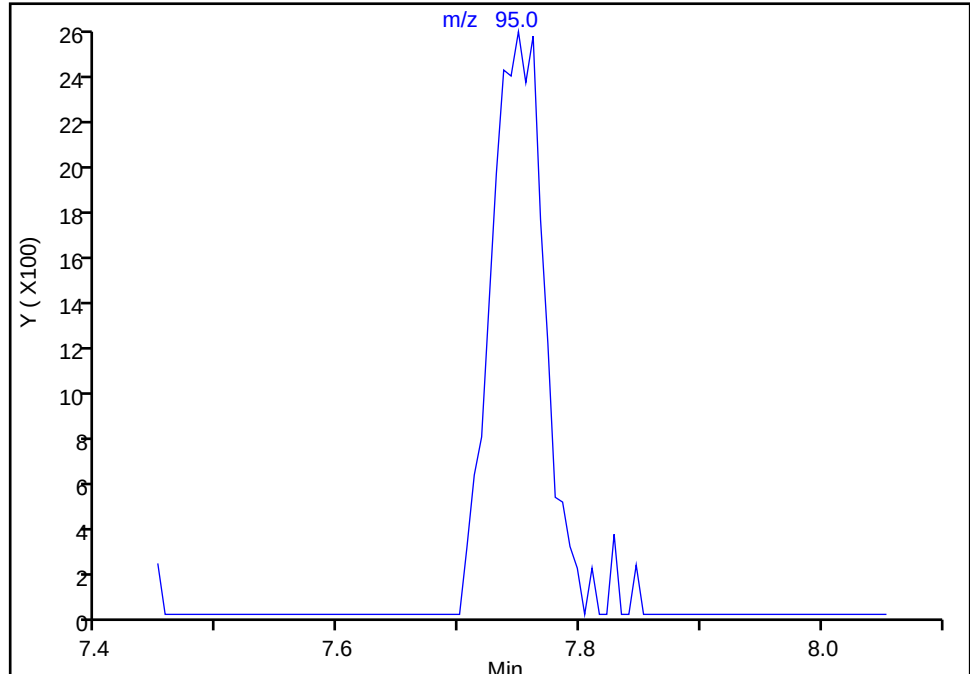
Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X07.D
Injection Date: 08-Jul-2024 13:31:30 Instrument ID: 10193
Lims ID: 410-177855-A-1 Lab Sample ID: 410-177855-1
Client ID: HD-COD-SW-6-0/1-0
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

Signal: 1

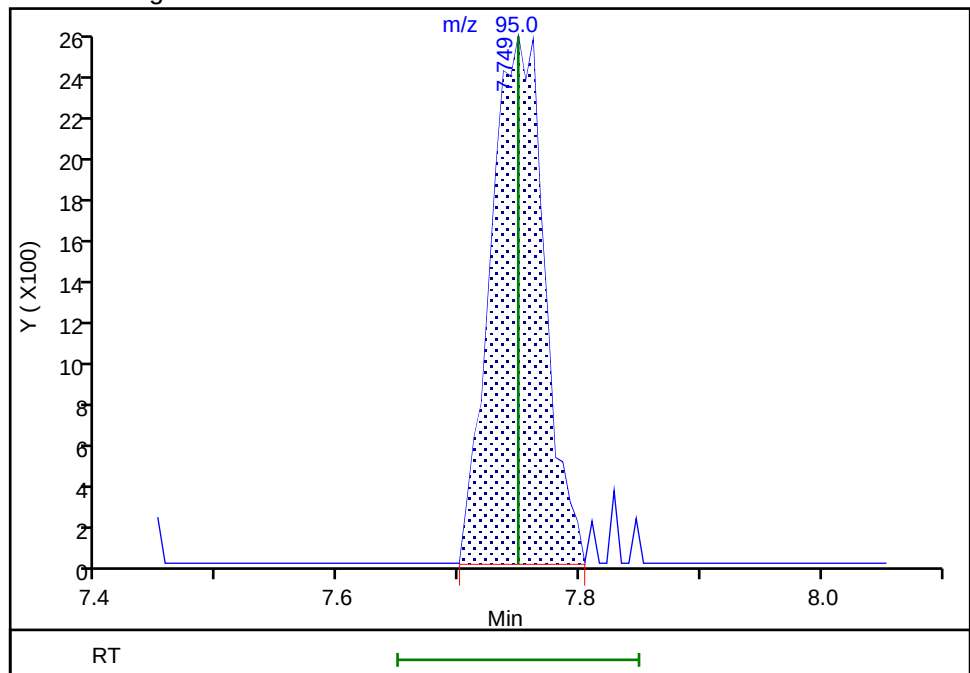
Not Detected
Expected RT: 7.75

Processing Integration Results



RT: 7.75
Area: 7837
Amount: 0.114719
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 09-Jul-2024 11:07:54 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-2

Matrix: Water

Lab File ID: CL08X08.D

Analysis Method: 8260D

Date Collected: 06/26/2024 10:05

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 13:54

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.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	2.5	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.10	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.16	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-2

Matrix: Water

Lab File ID: CL08X08.D

Analysis Method: 8260D

Date Collected: 06/26/2024 10:05

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 13:54

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.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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		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)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X08.D
 Lims ID: 410-177855-A-2
 Client ID: HD-COD-SW-7-0/1-0
 Sample Type: Client
 Inject. Date: 08-Jul-2024 13:54:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-009
 Misc. Info.: 410-177855-A-2
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 11:08:49 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:16:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.988				ND	7
6 Vinyl chloride	62		2.085				ND	7
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.189				ND	7
20 Acetone	43	3.238	3.213	0.025	97	20423	2.51	
25 Carbon disulfide	76		3.457				ND	7
30 Methylene Chloride	84		3.780				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.798	3.798	0.000	97	163976	50.0	
34 Methyl tert-butyl ether	73		4.140				ND	
35 trans-1,2-Dichloroethene	96		4.146				ND	
37 1,1-Dichloroethane	63		4.798				ND	
42 2-Butanone (MEK)	43	5.627	5.609	0.018	34	6811	0.4564	
43 cis-1,2-Dichloroethene	96	5.658	5.646	0.012	81	10986	0.1618	a
48 Chlorobromomethane	128		5.981				ND	
50 Chloroform	83	6.146	6.139	0.007	92	11498	0.1045	
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	94	546488	10.2	
53 1,1,1-Trichloroethane	97		6.365				ND	
56 Carbon tetrachloride	117		6.572				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.810	6.816	-0.006	98	110398	10.1	
60 Benzene	78		6.847				ND	7
61 1,2-Dichloroethane	62		6.920				ND	
* 65 Fluorobenzene (IS)	96	7.261	7.267	-0.006	99	2214041	10.0	
68 Trichloroethene	95	7.749	7.749	0.000	93	12913	0.1900	
70 1,2-Dichloropropane	63		8.090				ND	
76 Dichlorobromomethane	83		8.450				ND	7
80 cis-1,3-Dichloropropene	75		9.023				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.224				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2226627	9.91	
84 Toluene	92	9.432	9.438	-0.006	98	11572	0.0695	
85 trans-1,3-Dichloropropene	75		9.724				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.937				ND	
88 Tetrachloroethene	166	10.017	10.017	0.000	92	5732	0.0693	
106 2-Hexanone	43		10.175				ND	7
108 Chlorodibromomethane	129		10.328				ND	
110 Ethylene Dibromide	107		10.437				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1753792	10.0	
113 Chlorobenzene	112		10.925				ND	
114 1,1,1,2-Tetrachloroethane	131		11.010				ND	
115 Ethylbenzene	91		11.017				ND	7
116 m-Xylene & p-Xylene	106	11.132	11.138	-0.006	96	7374	0.0551	
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.480				ND	7
119 Styrene	104		11.498				ND	7
120 Bromoform	173		11.651				ND	7
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	95	785814	9.30	
126 1,1,2,2-Tetrachloroethane	83		12.053				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	93	964286	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 09-Jul-2024 11:16:56

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X08.D

Injection Date: 08-Jul-2024 13:54:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-177855-A-2

Lab Sample ID: 410-177855-2

Worklist Smp#: 9

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

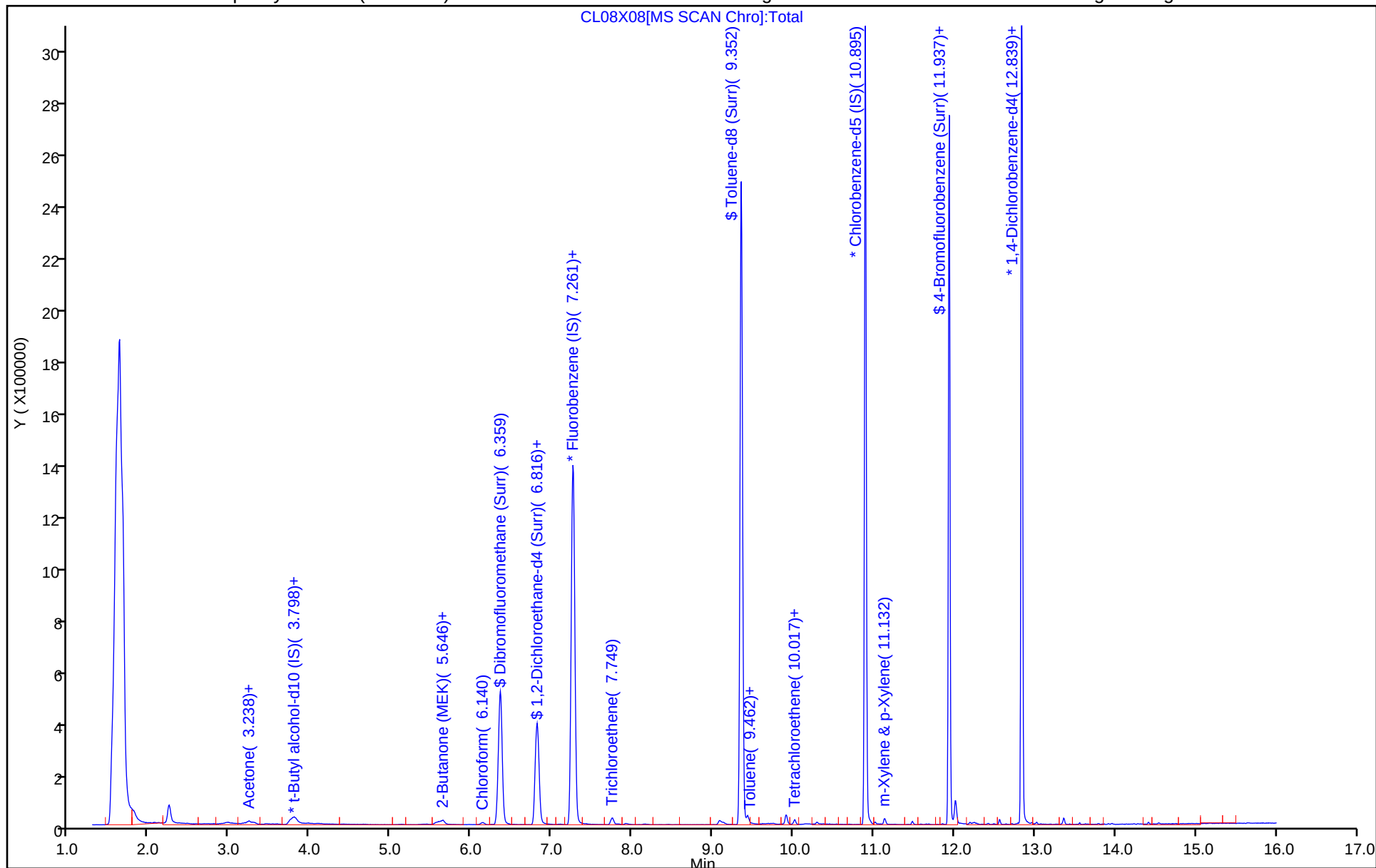
ALS Bottle#: 8

Method: MSV_10193_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\10193\20240708-118704.b\CL08X08.D
Lims ID: 410-177855-A-2
Client ID: HD-COD-SW-7-0/1-0
Sample Type: Client
Inject. Date: 08-Jul-2024 13:54:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-009
Misc. Info.: 410-177855-A-2
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 11:08:49 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:16:56

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.2	101.92
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.64
\$ 83 Toluene-d8 (Surr)	10.0	9.91	99.09
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.30	93.03

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X08.D

Injection Date: 08-Jul-2024 13:54:30

Instrument ID: 10193

Lims ID: 410-177855-A-2

Lab Sample ID: 410-177855-2

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

Operator ID: knk41612

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

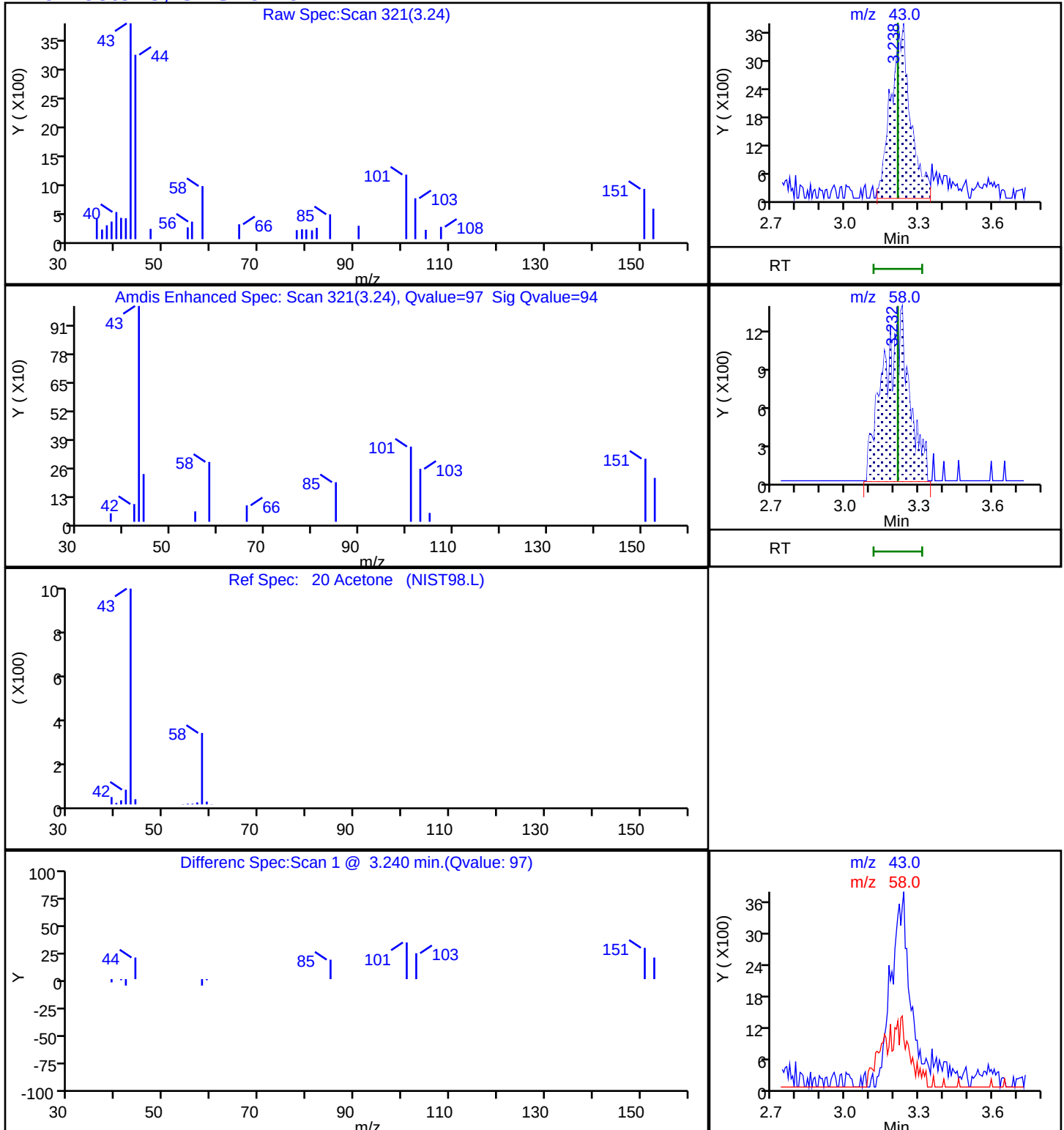
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

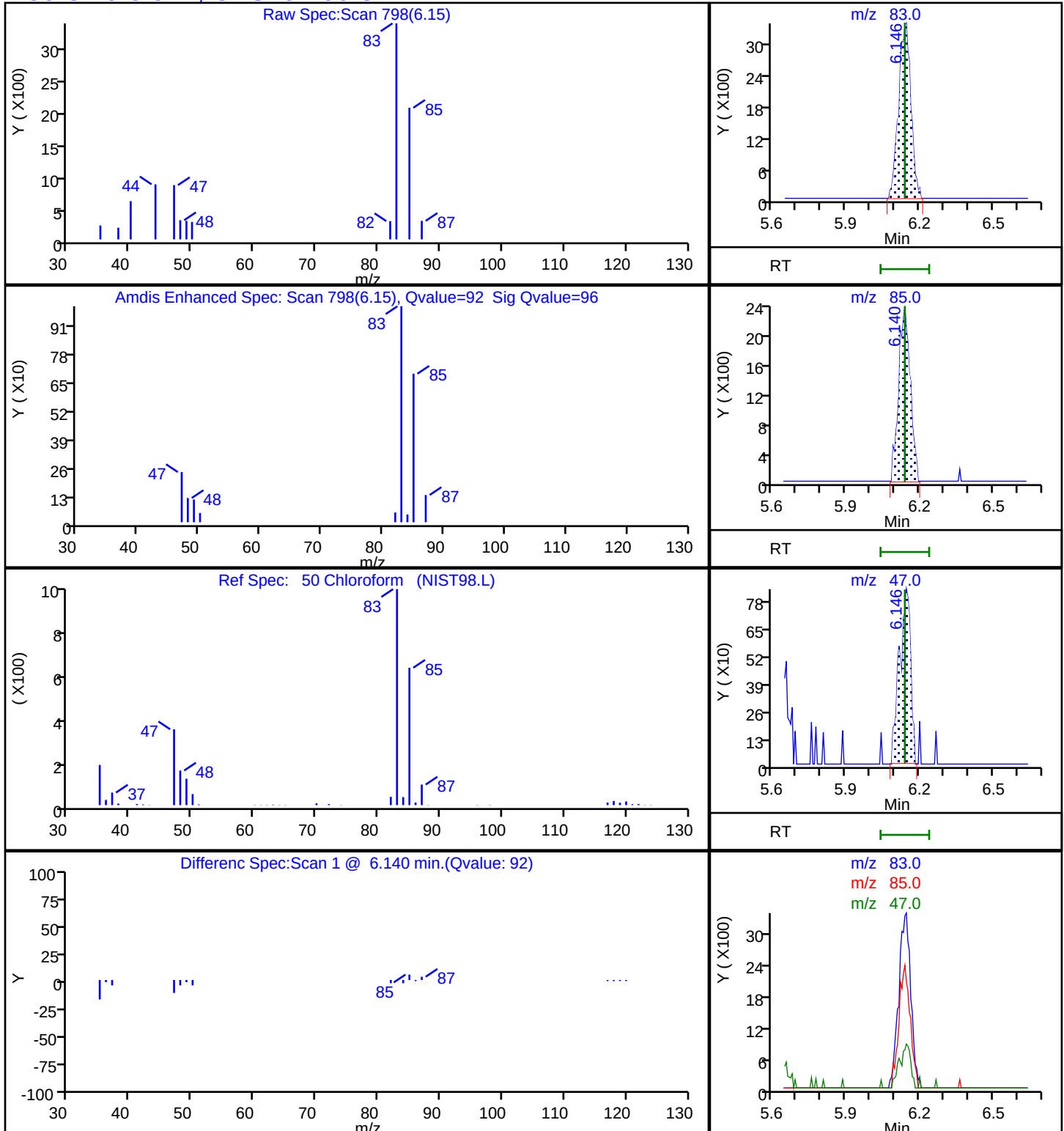
MS Quad

20 Acetone, CAS: 67-64-1



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X08.D
Injection Date: 08-Jul-2024 13:54:30 Instrument ID: 10193
Lims ID: 410-177855-A-2 Lab Sample ID: 410-177855-2
Client ID: HD-COD-SW-7-0/1-0
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

50 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X08.D

Injection Date: 08-Jul-2024 13:54:30

Instrument ID: 10193

Lims ID: 410-177855-A-2

Lab Sample ID: 410-177855-2

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

Operator ID: knk41612

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 25.000 mL

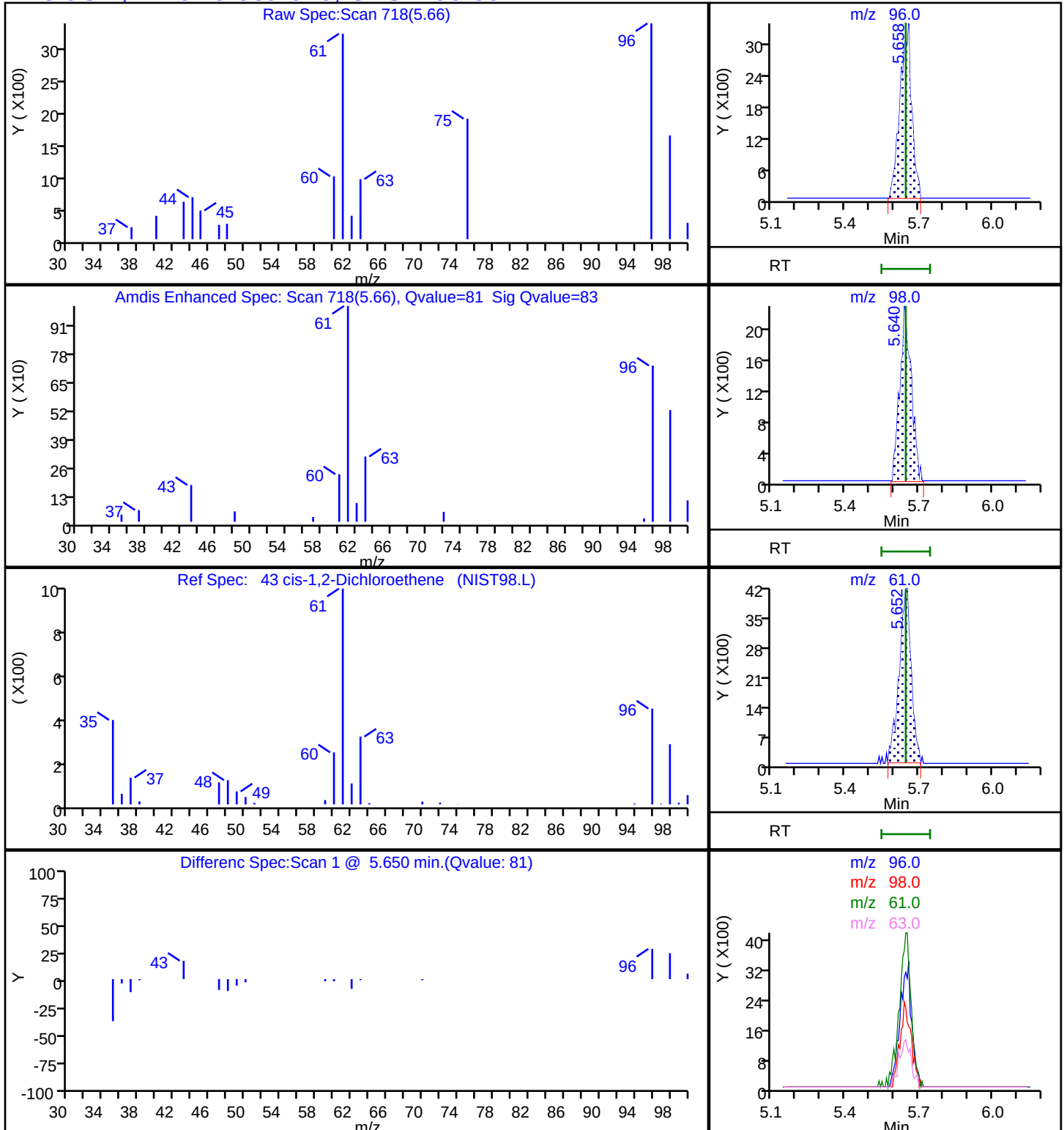
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X08.D

Injection Date: 08-Jul-2024 13:54:30

Instrument ID: 10193

Lims ID: 410-177855-A-2

Lab Sample ID: 410-177855-2

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

Operator ID: knk41612

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 25.000 mL

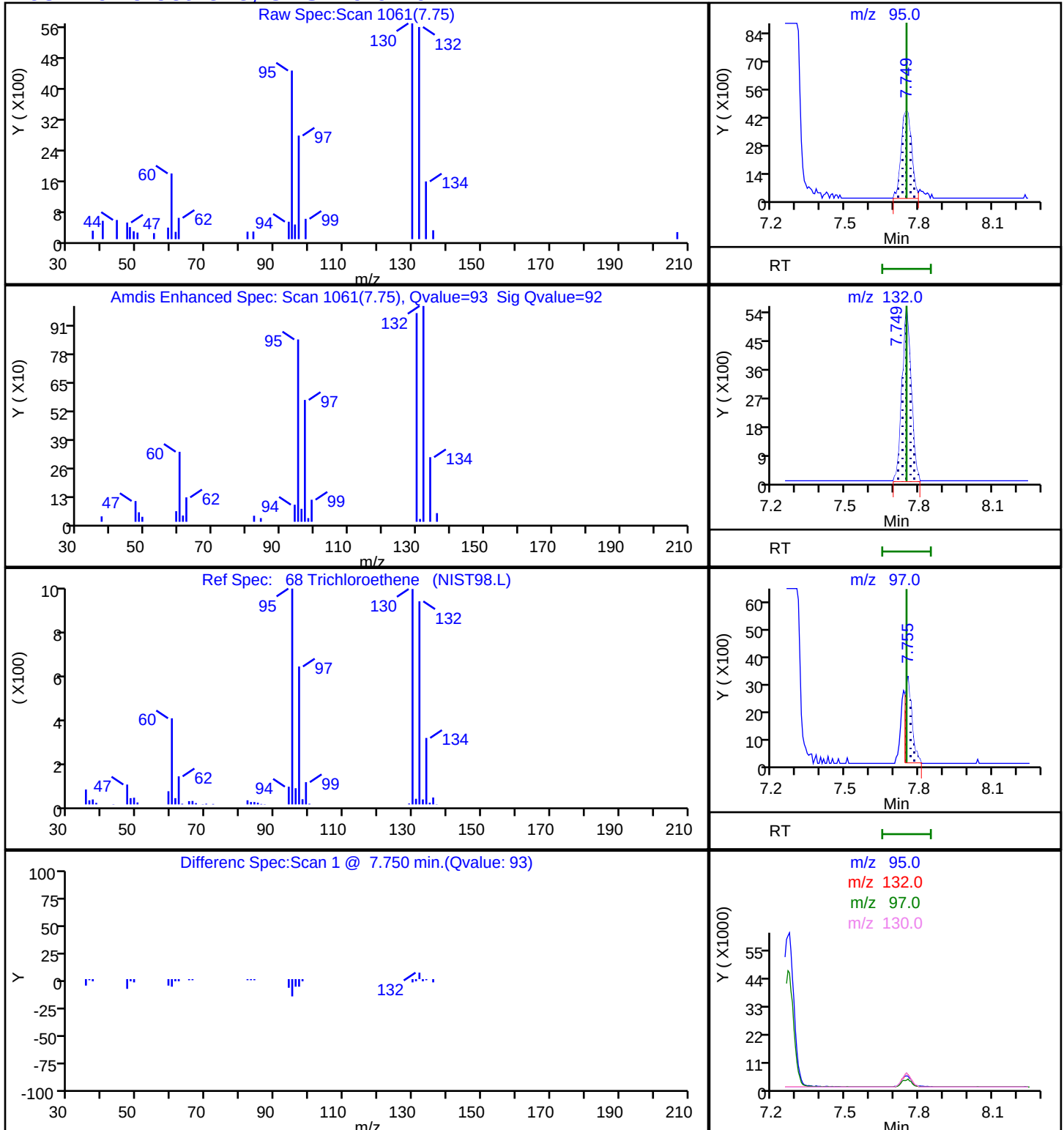
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

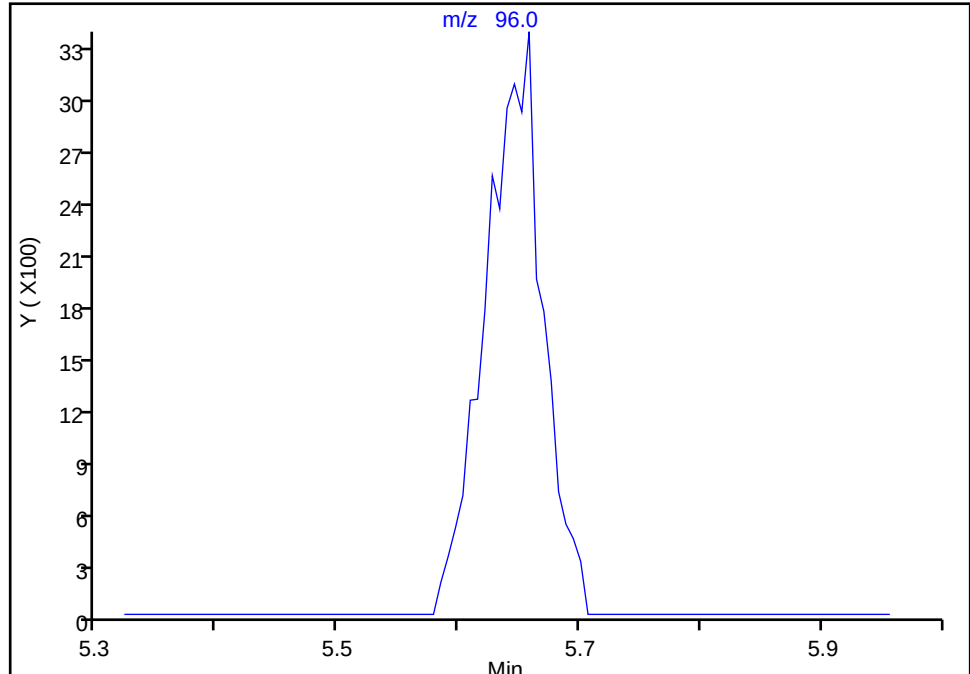
Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X08.D
Injection Date: 08-Jul-2024 13:54:30 Instrument ID: 10193
Lims ID: 410-177855-A-2 Lab Sample ID: 410-177855-2
Client ID: HD-COD-SW-7-0/1-0
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

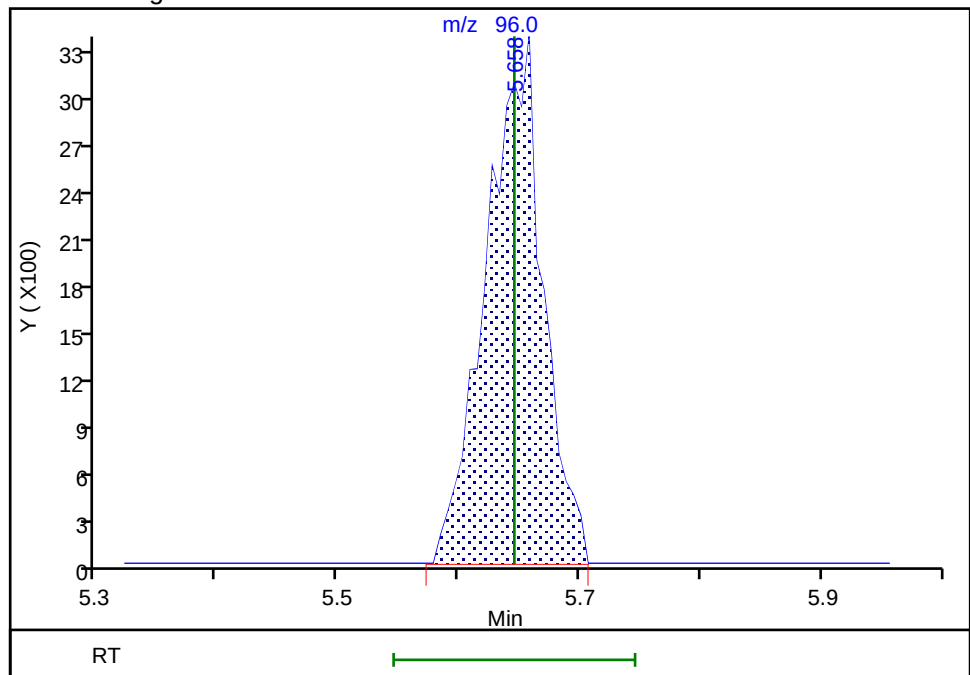
Not Detected
Expected RT: 5.65

Processing Integration Results



RT: 5.66
Area: 10986
Amount: 0.161799
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 09-Jul-2024 11:08:47 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-3

Matrix: Water

Lab File ID: CL08X09.D

Analysis Method: 8260D

Date Collected: 06/26/2024 07:28

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 14:17

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	2.3	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.18	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.94		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-3

Matrix: Water

Lab File ID: CL08X09.D

Analysis Method: 8260D

Date Collected: 06/26/2024 07:28

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 14:17

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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	0.20	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		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\10193\20240708-118704.b\CL08X09.D
 Lims ID: 410-177855-A-3
 Client ID: HD-COD-SW-8-0/1-0
 Sample Type: Client
 Inject. Date: 08-Jul-2024 14:17:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-010
 Misc. Info.: 410-177855-A-3
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 11:35:02 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:35:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.988				ND	7
6 Vinyl chloride	62		2.085				ND	7
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.189				ND	7
20 Acetone	43	3.225	3.213	0.012	98	17364	2.26	
25 Carbon disulfide	76		3.457				ND	7
30 Methylene Chloride	84		3.780				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.786	3.798	-0.012	97	155218	50.0	
34 Methyl tert-butyl ether	73		4.140				ND	
35 trans-1,2-Dichloroethene	96		4.146				ND	
37 1,1-Dichloroethane	63		4.798				ND	7
42 2-Butanone (MEK)	43	5.615	5.609	0.006	92	6643	0.4703	
43 cis-1,2-Dichloroethene	96	5.646	5.646	0.000	79	12152	0.1825	
48 Chlorobromomethane	128		5.981				ND	
50 Chloroform	83	6.133	6.139	-0.006	92	8256	0.0765	a
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	94	535888	10.2	
53 1,1,1-Trichloroethane	97		6.365				ND	U
56 Carbon tetrachloride	117		6.572				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.816	0.000	99	109782	10.2	
60 Benzene	78		6.847				ND	7
61 1,2-Dichloroethane	62		6.920				ND	
* 65 Fluorobenzene (IS)	96	7.261	7.267	-0.006	99	2171311	10.0	
68 Trichloroethene	95	7.749	7.749	0.000	98	13278	0.1992	
70 1,2-Dichloropropane	63		8.090				ND	
76 Dichlorobromomethane	83		8.450				ND	7
80 cis-1,3-Dichloropropene	75		9.023				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.224				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2178046	10.0	
84 Toluene	92	9.438	9.438	0.000	98	8864	0.0550	
85 trans-1,3-Dichloropropene	75		9.724				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.937				ND	
88 Tetrachloroethene	166	10.017	10.017	0.000	97	74990	0.9374	
106 2-Hexanone	43		10.175				ND	7
108 Chlorodibromomethane	129		10.328				ND	
110 Ethylene Dibromide	107		10.437				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1695914	10.0	
113 Chlorobenzene	112		10.925				ND	
114 1,1,1,2-Tetrachloroethane	131		11.010				ND	
115 Ethylbenzene	91		11.017				ND	7
116 m-Xylene & p-Xylene	106		11.138				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.480				ND	7
119 Styrene	104		11.498				ND	7
120 Bromoform	173		11.651				ND	7
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	95	769281	9.42	
126 1,1,2,2-Tetrachloroethane	83		12.053				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	93	943271	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 09-Jul-2024 11:35:03

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X09.D

Injection Date: 08-Jul-2024 14:17:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-177855-A-3

Lab Sample ID: 410-177855-3

Worklist Smp#: 10

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

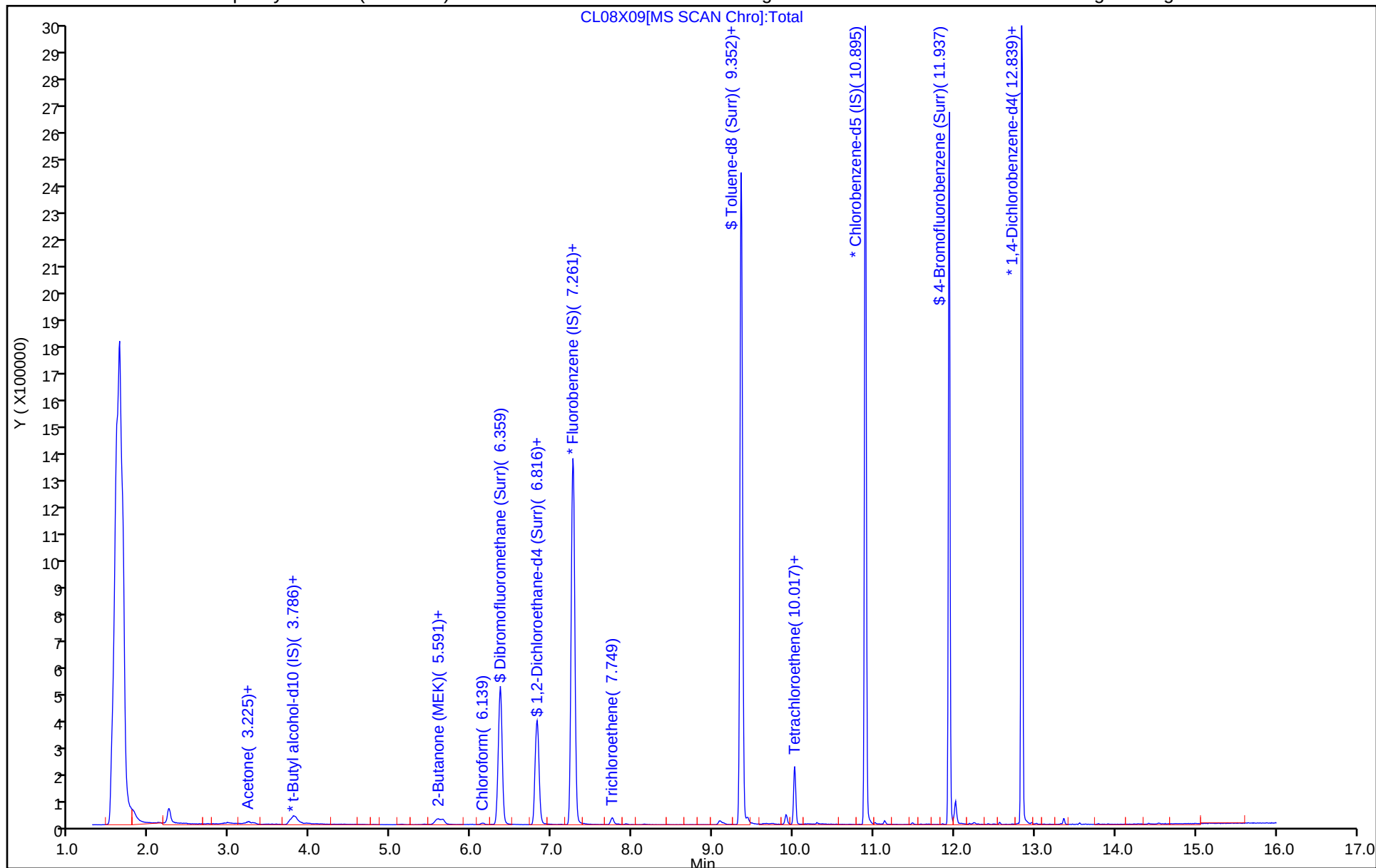
ALS Bottle#: 9

Method: MSV_10193_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\10193\20240708-118704.b\CL08X09.D
Lims ID: 410-177855-A-3
Client ID: HD-COD-SW-8-0/1-0
Sample Type: Client
Inject. Date: 08-Jul-2024 14:17:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-010
Misc. Info.: 410-177855-A-3
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 11:35:02 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:35:02

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.2	101.91
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	102.05
\$ 83 Toluene-d8 (Surr)	10.0	10.0	100.23
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.42	94.18

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X09.D

Injection Date: 08-Jul-2024 14:17:30

Instrument ID: 10193

Lims ID: 410-177855-A-3

Lab Sample ID: 410-177855-3

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

Operator ID: knk41612

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 25.000 mL

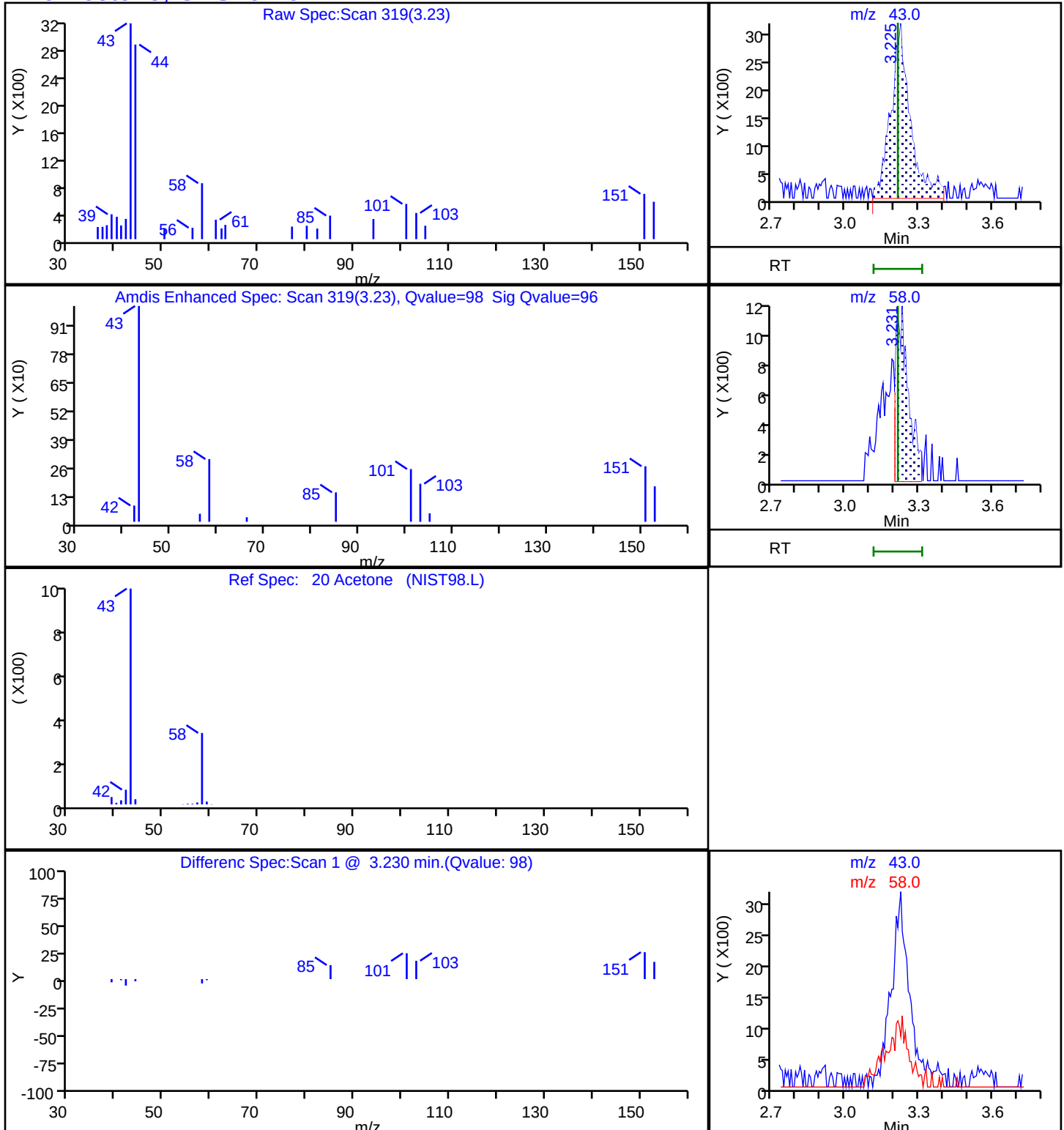
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.)

MS Quad

20 Acetone, CAS: 67-64-1

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X09.D

Injection Date: 08-Jul-2024 14:17:30

Instrument ID: 10193

Lims ID: 410-177855-A-3

Lab Sample ID: 410-177855-3

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

Operator ID: knk41612

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 25.000 mL

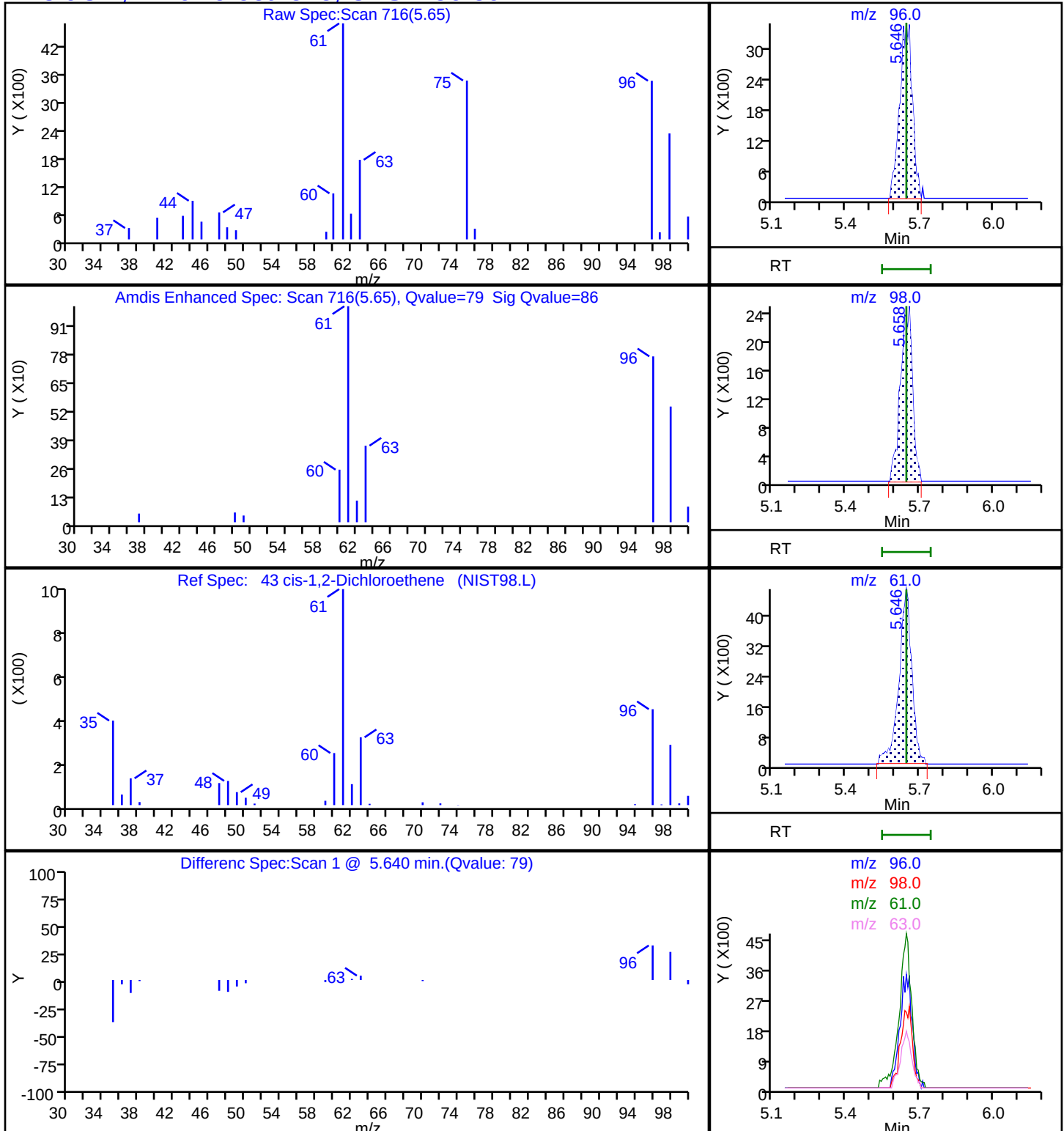
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X09.D

Injection Date: 08-Jul-2024 14:17:30

Instrument ID: 10193

Lims ID: 410-177855-A-3

Lab Sample ID: 410-177855-3

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

Operator ID: knk41612

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 25.000 mL

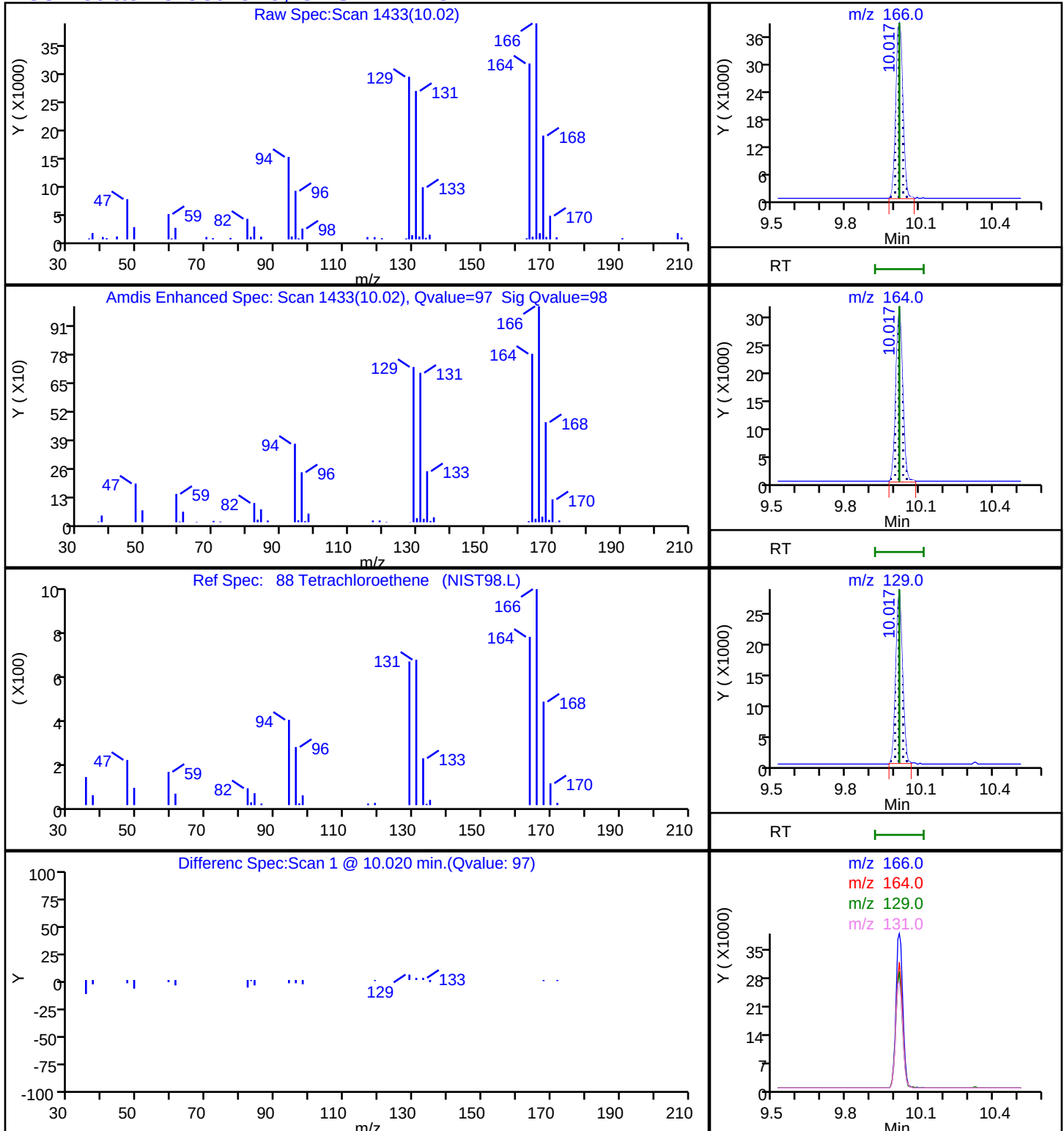
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

88 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X09.D

Injection Date: 08-Jul-2024 14:17:30

Instrument ID: 10193

Lims ID: 410-177855-A-3

Lab Sample ID: 410-177855-3

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

Operator ID: knk41612

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 25.000 mL

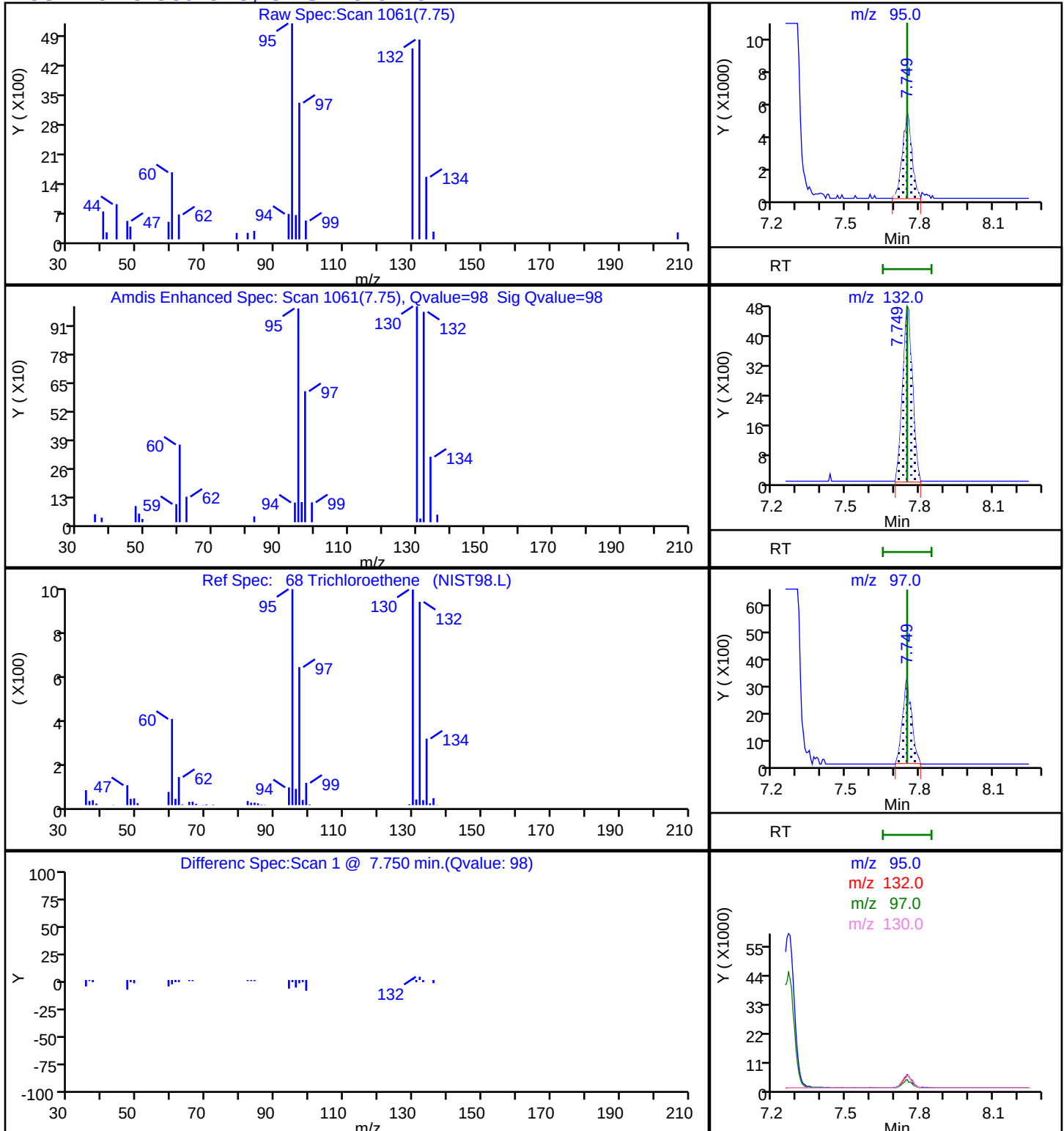
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

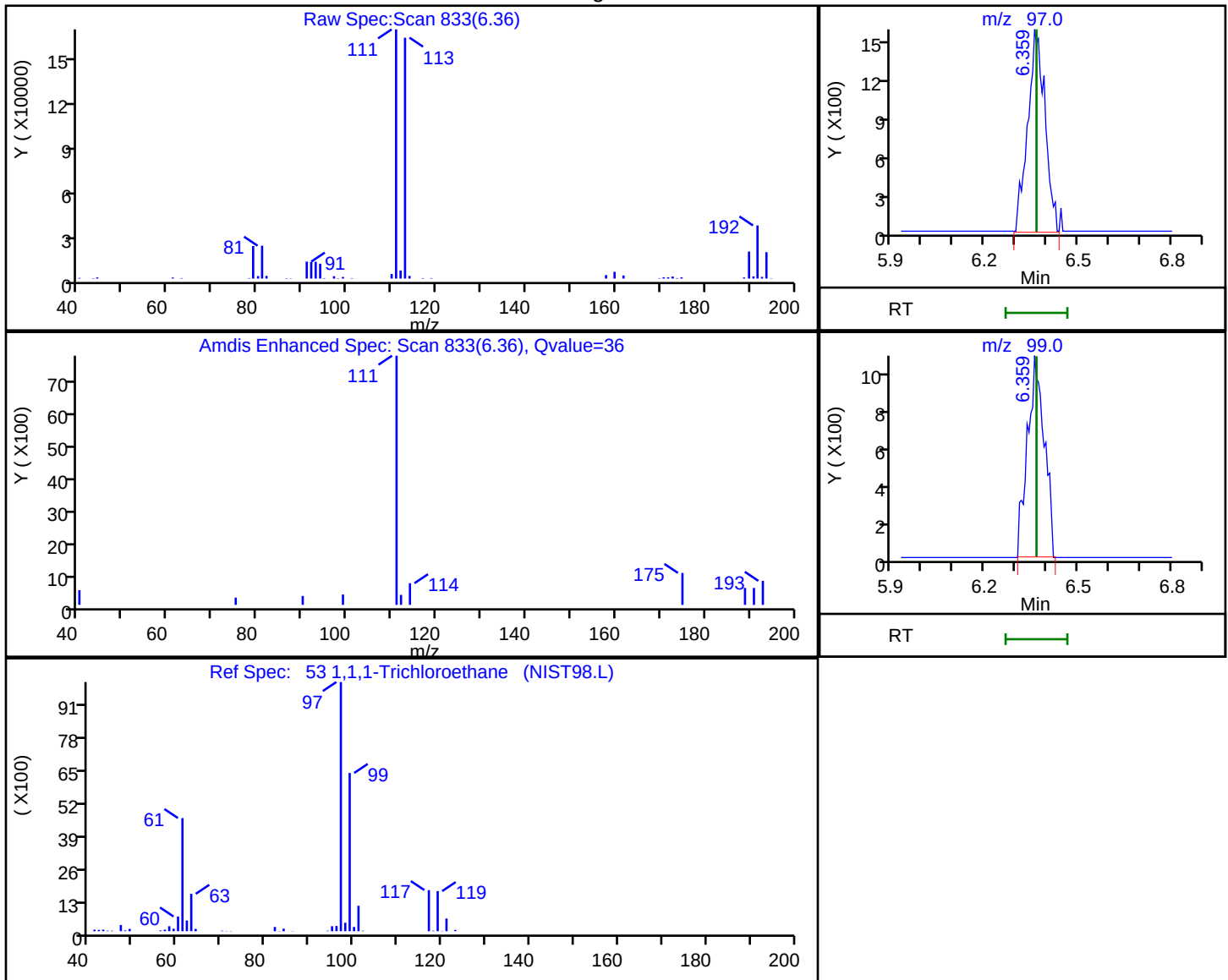
68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X09.D
Injection Date: 08-Jul-2024 14:17:30 Instrument ID: 10193
Lims ID: 410-177855-A-3 Lab Sample ID: 410-177855-3
Client ID: HD-COD-SW-8-0/1-0
Operator ID: knk41612 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

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

Processing Results



RT	Mass	Response	Amount
6.36	97.00	5819	0.064566
6.36	99.00	3886	

Reviewer: FQ4L, 09-Jul-2024 11:34:44 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

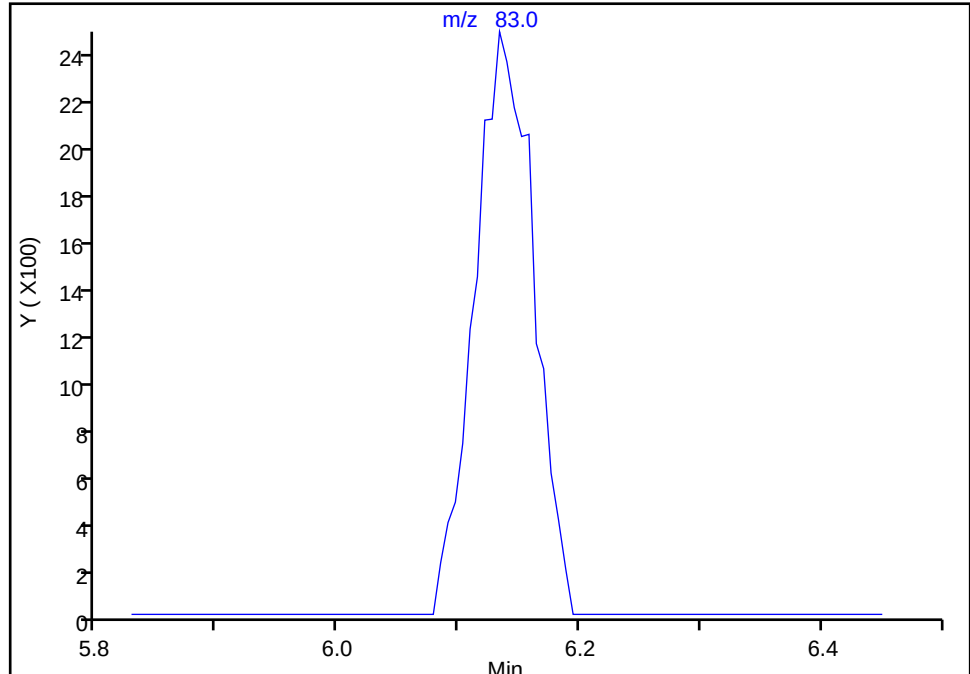
Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X09.D
Injection Date: 08-Jul-2024 14:17:30 Instrument ID: 10193
Lims ID: 410-177855-A-3 Lab Sample ID: 410-177855-3
Client ID: HD-COD-SW-8-0/1-0
Operator ID: knk41612 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

50 Chloroform, CAS: 67-66-3

Signal: 1

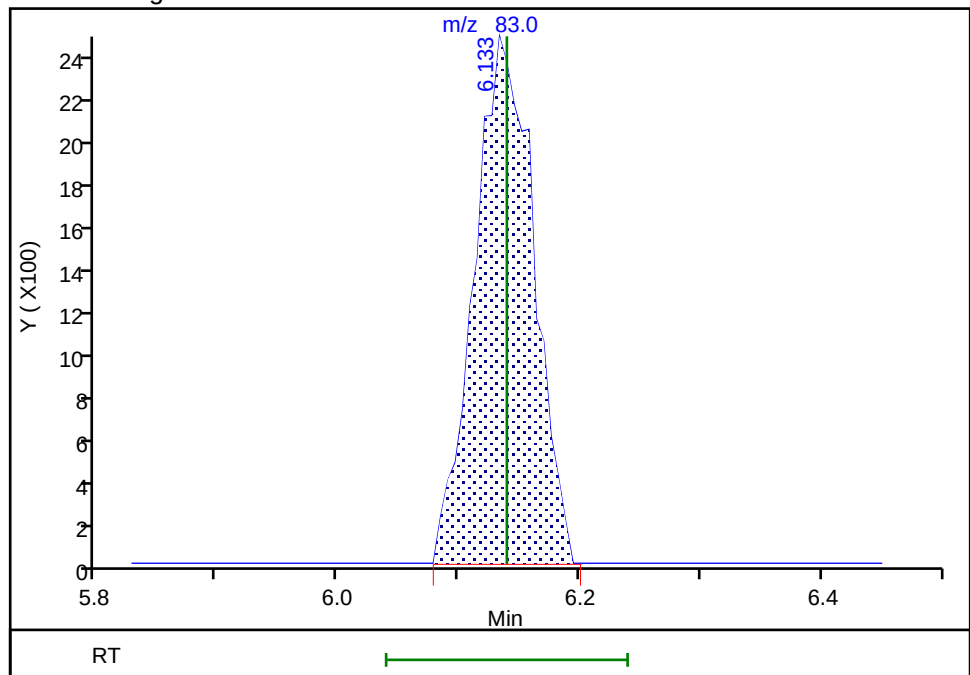
Not Detected
Expected RT: 6.14

Processing Integration Results



RT: 6.13
Area: 8256
Amount: 0.076527
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 09-Jul-2024 11:29:29 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-4

Matrix: Water

Lab File ID: CL08X10.D

Analysis Method: 8260D

Date Collected: 06/26/2024 11:25

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 14:39

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.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	4.9	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.091	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.25	J	0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-4

Matrix: Water

Lab File ID: CL08X10.D

Analysis Method: 8260D

Date Collected: 06/26/2024 11:25

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 14:39

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.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	0.10	J	0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.11	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		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\10193\20240708-118704.b\CL08X10.D
 Lims ID: 410-177855-A-4
 Client ID: HD-COD-SW-9-0/1-0
 Sample Type: Client
 Inject. Date: 08-Jul-2024 14:39:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-011
 Misc. Info.: 410-177855-A-4
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 11:35:02 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:35:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.988				ND	7
6 Vinyl chloride	62		2.085				ND	
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.189				ND	7
20 Acetone	43	3.244	3.213	0.031	98	35171	4.87	
25 Carbon disulfide	76		3.457				ND	7
30 Methylene Chloride	84		3.780				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.805	3.798	0.007	96	145726	50.0	
34 Methyl tert-butyl ether	73		4.140				ND	7
35 trans-1,2-Dichloroethene	96		4.146				ND	
37 1,1-Dichloroethane	63		4.798				ND	7
42 2-Butanone (MEK)	43	5.609	5.609	0.000	66	7687	0.5796	
43 cis-1,2-Dichloroethene	96	5.658	5.646	0.012	77	6087	0.0908	
48 Chlorobromomethane	128		5.981				ND	
50 Chloroform	83	6.146	6.139	0.007	92	9104	0.0838	
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	94	539363	10.2	
53 1,1,1-Trichloroethane	97		6.365				ND	7
56 Carbon tetrachloride	117		6.572				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.816	0.000	99	108800	10.0	
60 Benzene	78		6.847				ND	7
61 1,2-Dichloroethane	62		6.920				ND	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2185576	10.0	
68 Trichloroethene	95	7.749	7.749	0.000	94	7571	0.1128	
70 1,2-Dichloropropane	63		8.090				ND	
76 Dichlorobromomethane	83		8.450				ND	7
80 cis-1,3-Dichloropropene	75		9.023				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.224				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2196653	9.98	
84 Toluene	92	9.432	9.438	-0.006	97	16715	0.1025	
85 trans-1,3-Dichloropropene	75		9.724				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.937				ND	
88 Tetrachloroethene	166	10.017	10.017	0.000	96	20398	0.2518	
106 2-Hexanone	43		10.175				ND	7
108 Chlorodibromomethane	129		10.328				ND	
110 Ethylene Dibromide	107		10.437				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1717303	10.0	
113 Chlorobenzene	112		10.925				ND	
114 1,1,1,2-Tetrachloroethane	131		11.010				ND	
115 Ethylbenzene	91		11.017				ND	7
116 m-Xylene & p-Xylene	106	11.132	11.138	-0.006	96	9664	0.0737	
S 117 Xylenes, Total	106				0		0.1093	
118 o-Xylene	106	11.480	11.480	0.000	98	4601	0.0356	
119 Styrene	104		11.498				ND	7
120 Bromoform	173		11.651				ND	7
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	96	776942	9.39	
126 1,1,2,2-Tetrachloroethane	83		12.053				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	93	950443	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 09-Jul-2024 11:35:42

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X10.D

Injection Date: 08-Jul-2024 14:39:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-177855-A-4

Lab Sample ID: 410-177855-4

Worklist Smp#: 11

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

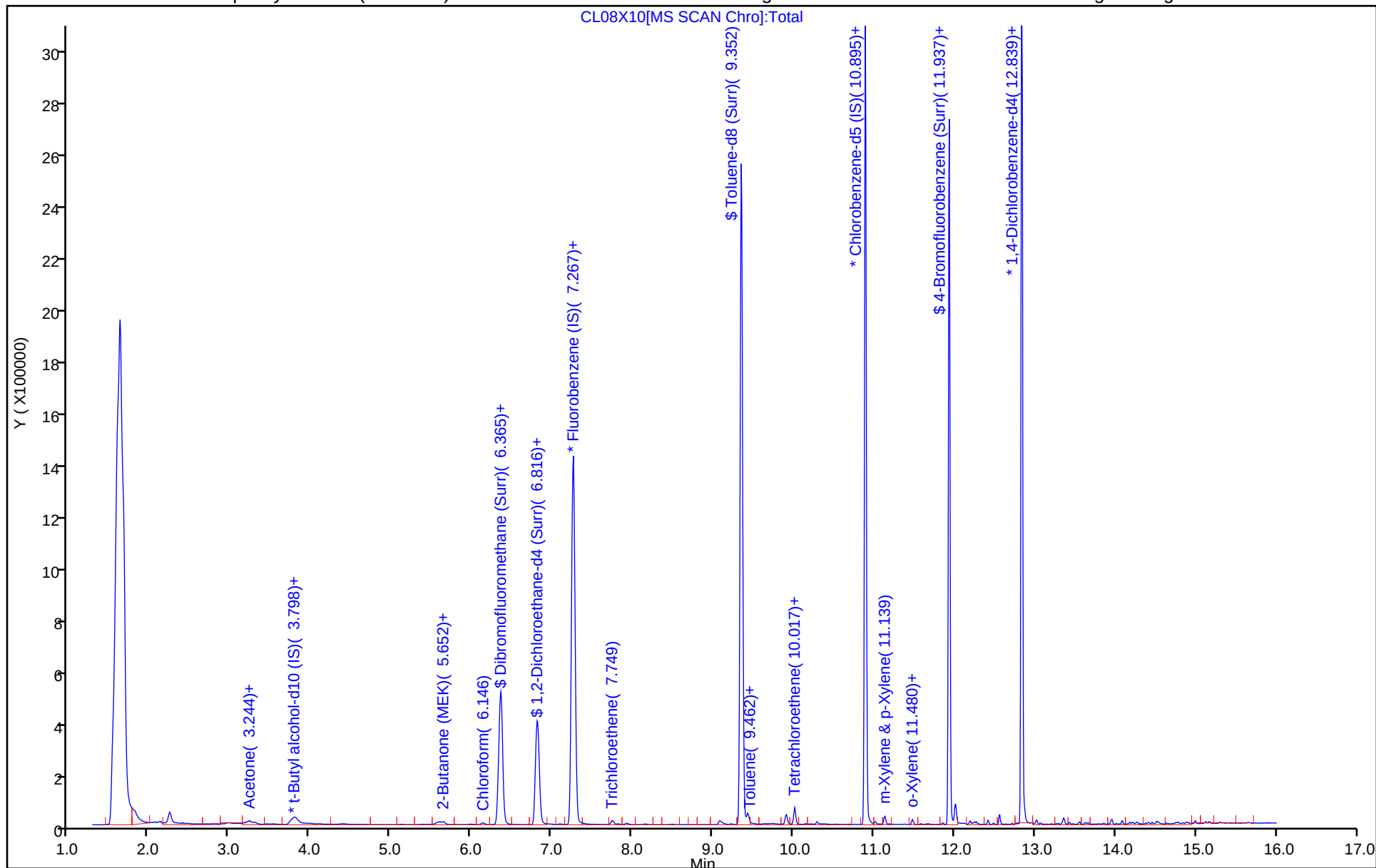
ALS Bottle#: 10

Method: MSV_10193_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\10193\20240708-118704.b\CL08X10.D
Lims ID: 410-177855-A-4
Client ID: HD-COD-SW-9-0/1-0
Sample Type: Client
Inject. Date: 08-Jul-2024 14:39:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-011
Misc. Info.: 410-177855-A-4
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 11:35:02 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:35:42

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.2	101.91
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.48
\$ 83 Toluene-d8 (Surr)	10.0	9.98	99.83
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.39	93.93

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X10.D

Injection Date: 08-Jul-2024 14:39:30

Instrument ID: 10193

Lims ID: 410-177855-A-4

Lab Sample ID: 410-177855-4

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

Operator ID: knk41612

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

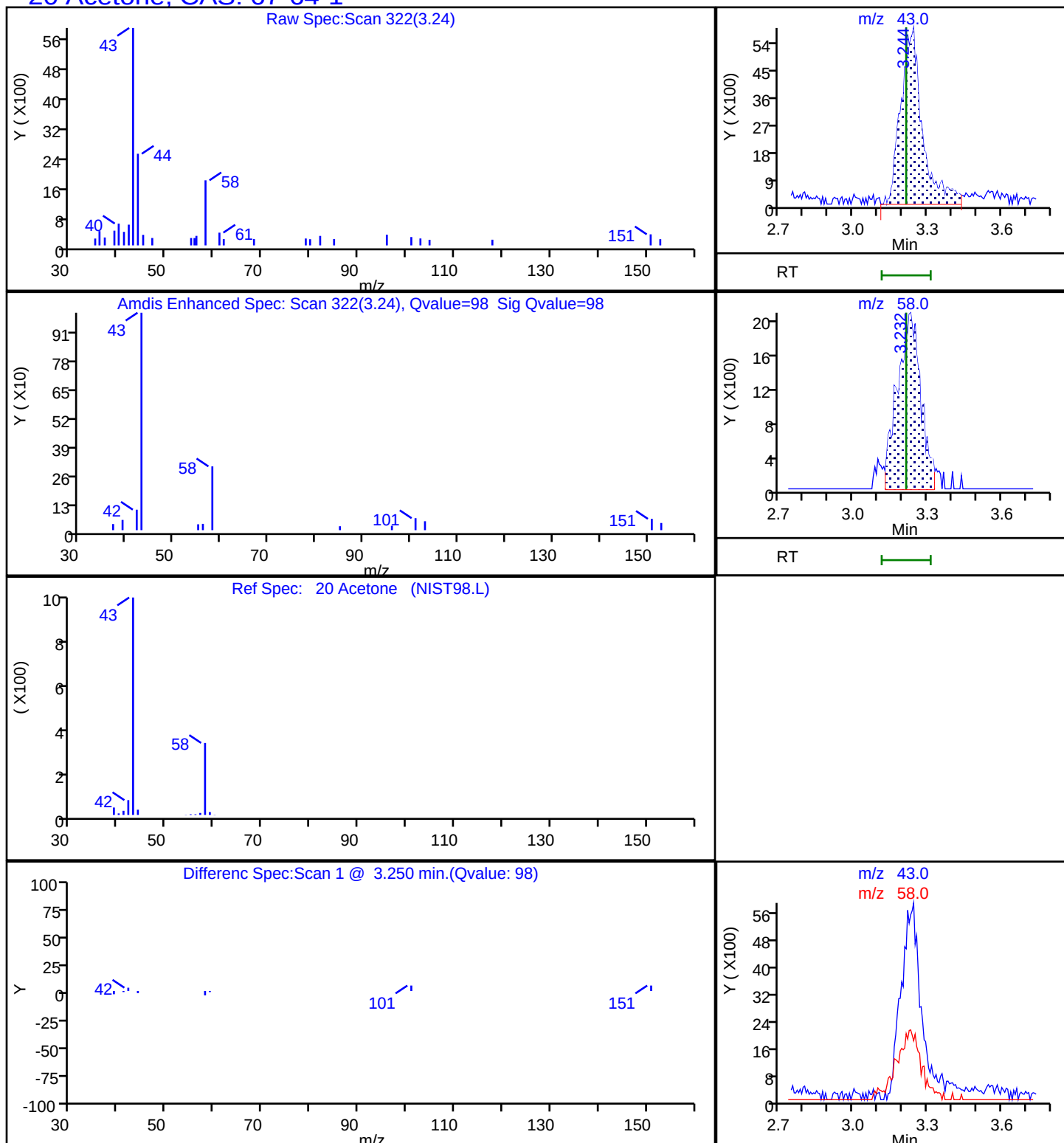
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 150m

MS Quad

20 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X10.D

Injection Date: 08-Jul-2024 14:39:30

Instrument ID: 10193

Lims ID: 410-177855-A-4

Lab Sample ID: 410-177855-4

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

Operator ID: knk41612

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 25.000 mL

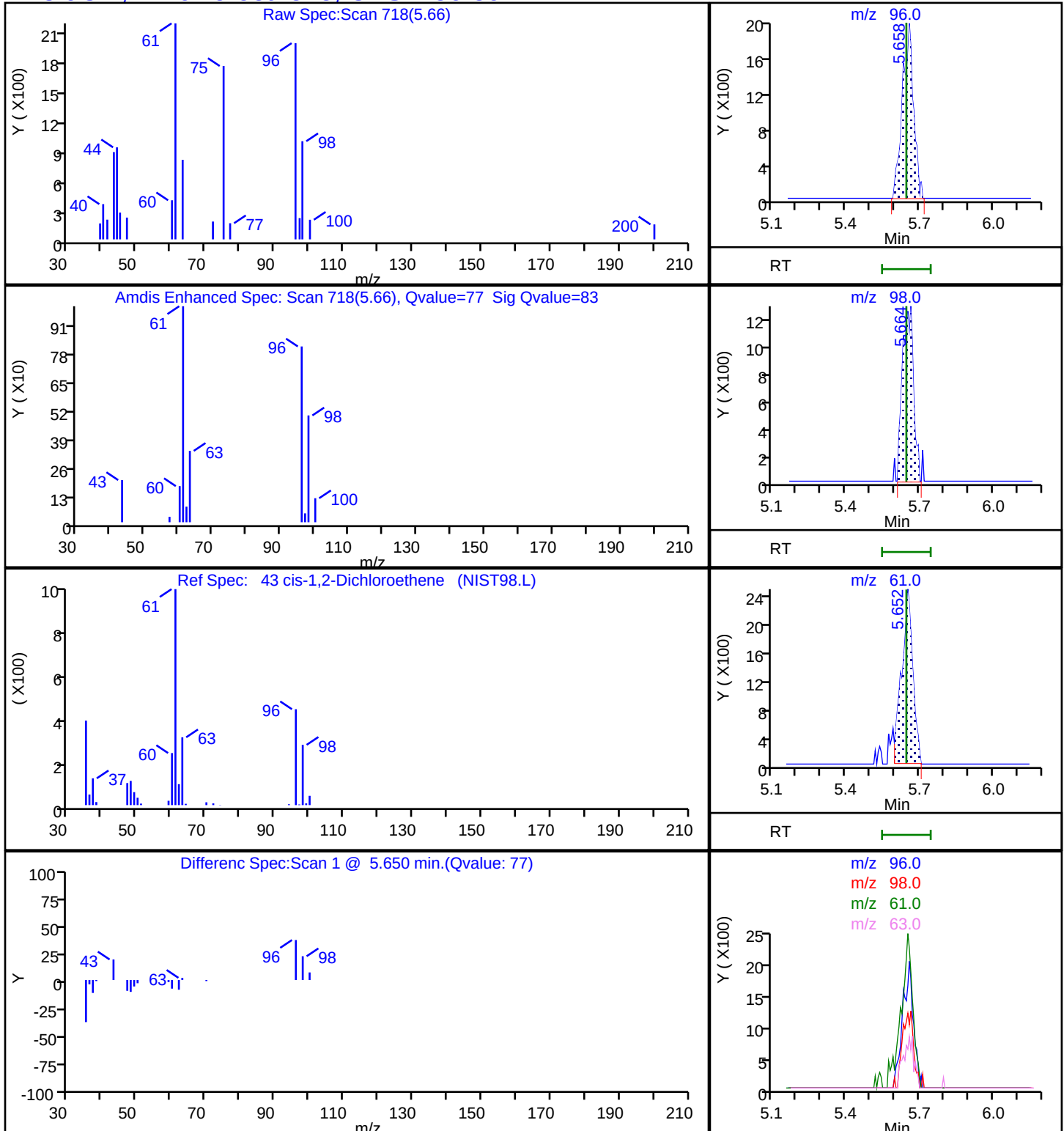
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X10.D

Injection Date: 08-Jul-2024 14:39:30

Instrument ID: 10193

Lims ID: 410-177855-A-4

Lab Sample ID: 410-177855-4

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

Operator ID: knk41612

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 25.000 mL

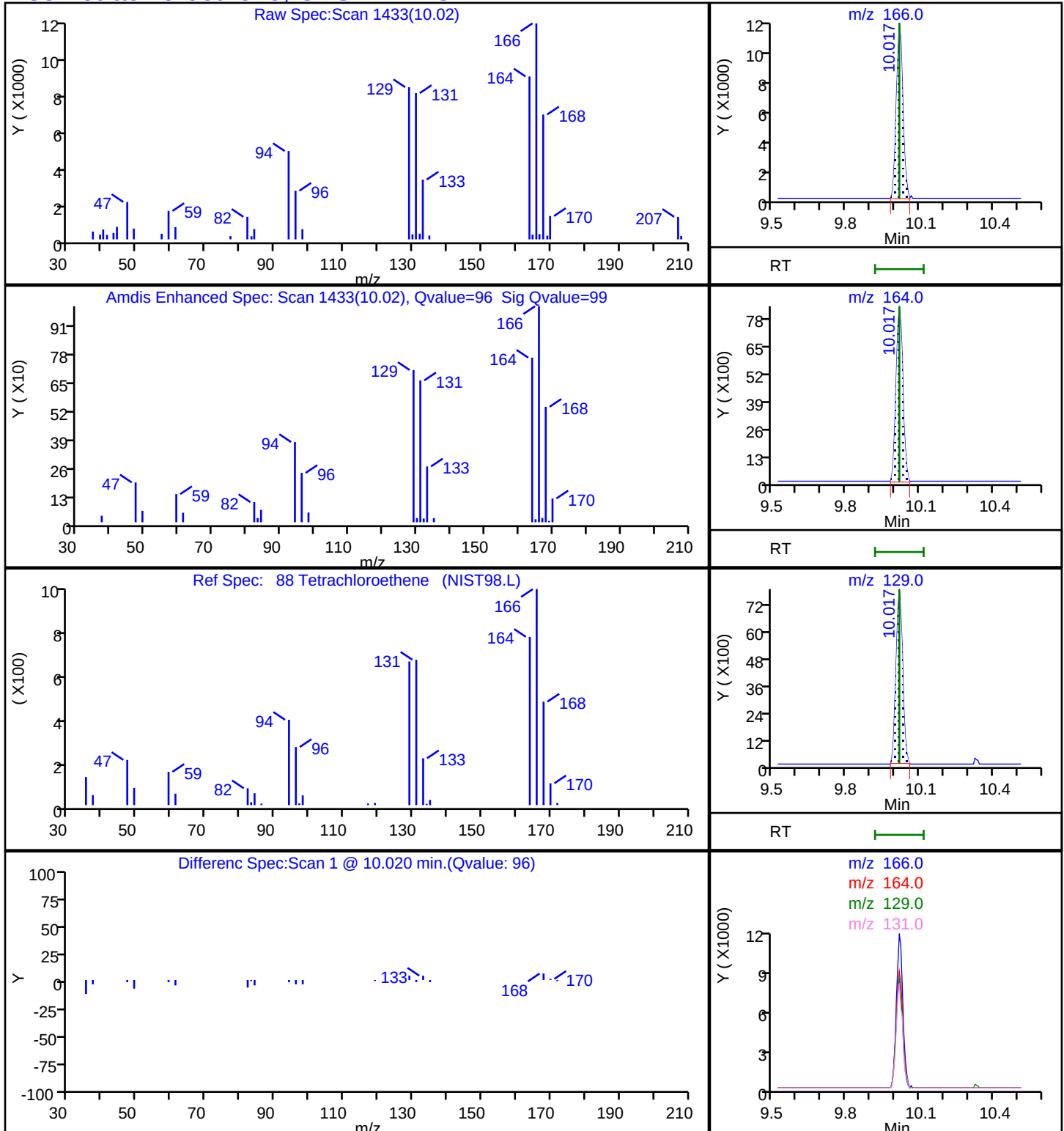
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

88 Tetrachloroethene, CAS: 127-18-4

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X10.D

Injection Date: 08-Jul-2024 14:39:30

Instrument ID: 10193

Lims ID: 410-177855-A-4

Lab Sample ID: 410-177855-4

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

Operator ID: knk41612

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 25.000 mL

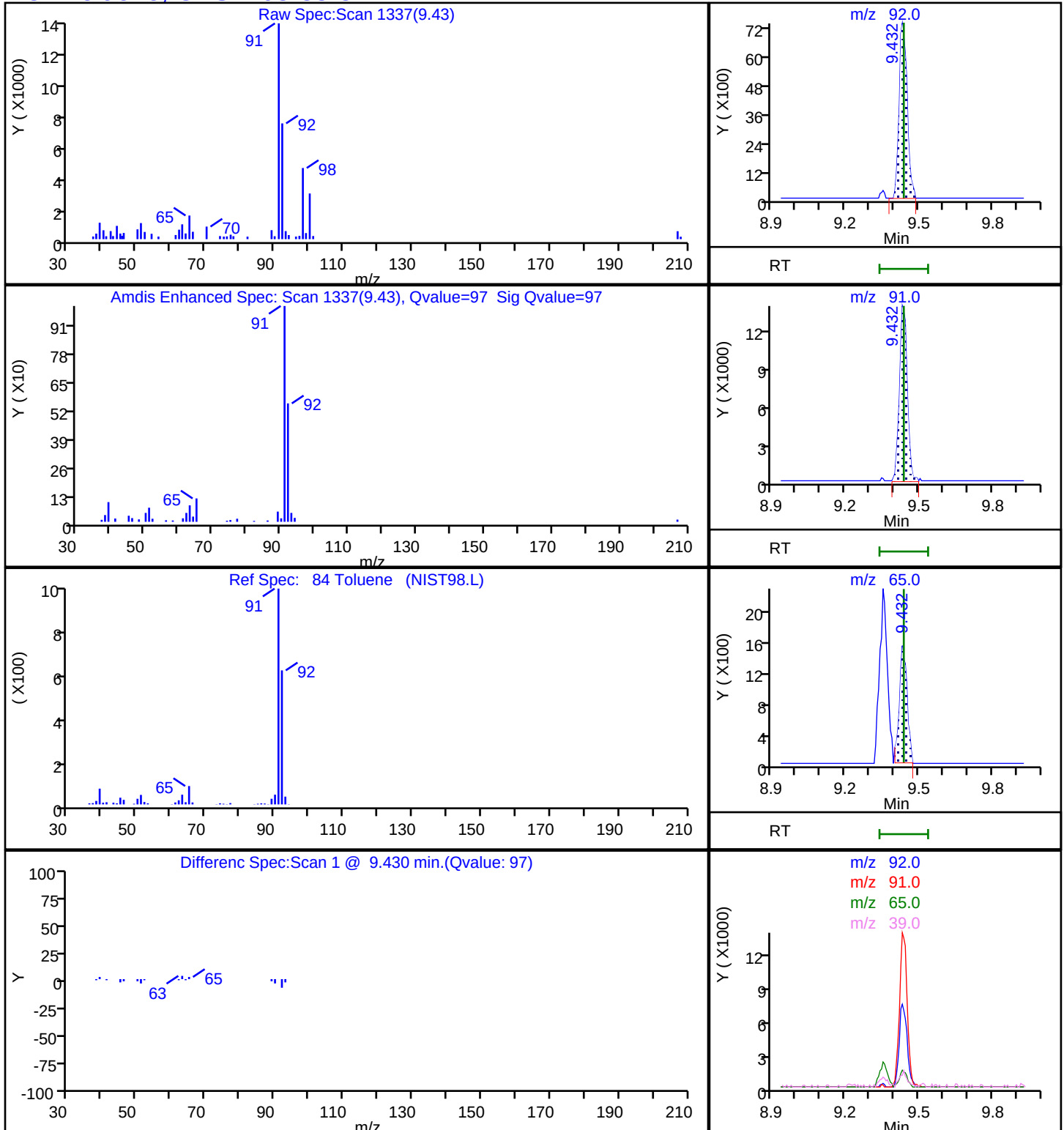
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

84 Toluene, CAS: 108-88-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X10.D

Injection Date: 08-Jul-2024 14:39:30

Instrument ID: 10193

Lims ID: 410-177855-A-4

Lab Sample ID: 410-177855-4

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

Operator ID: knk41612

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 25.000 mL

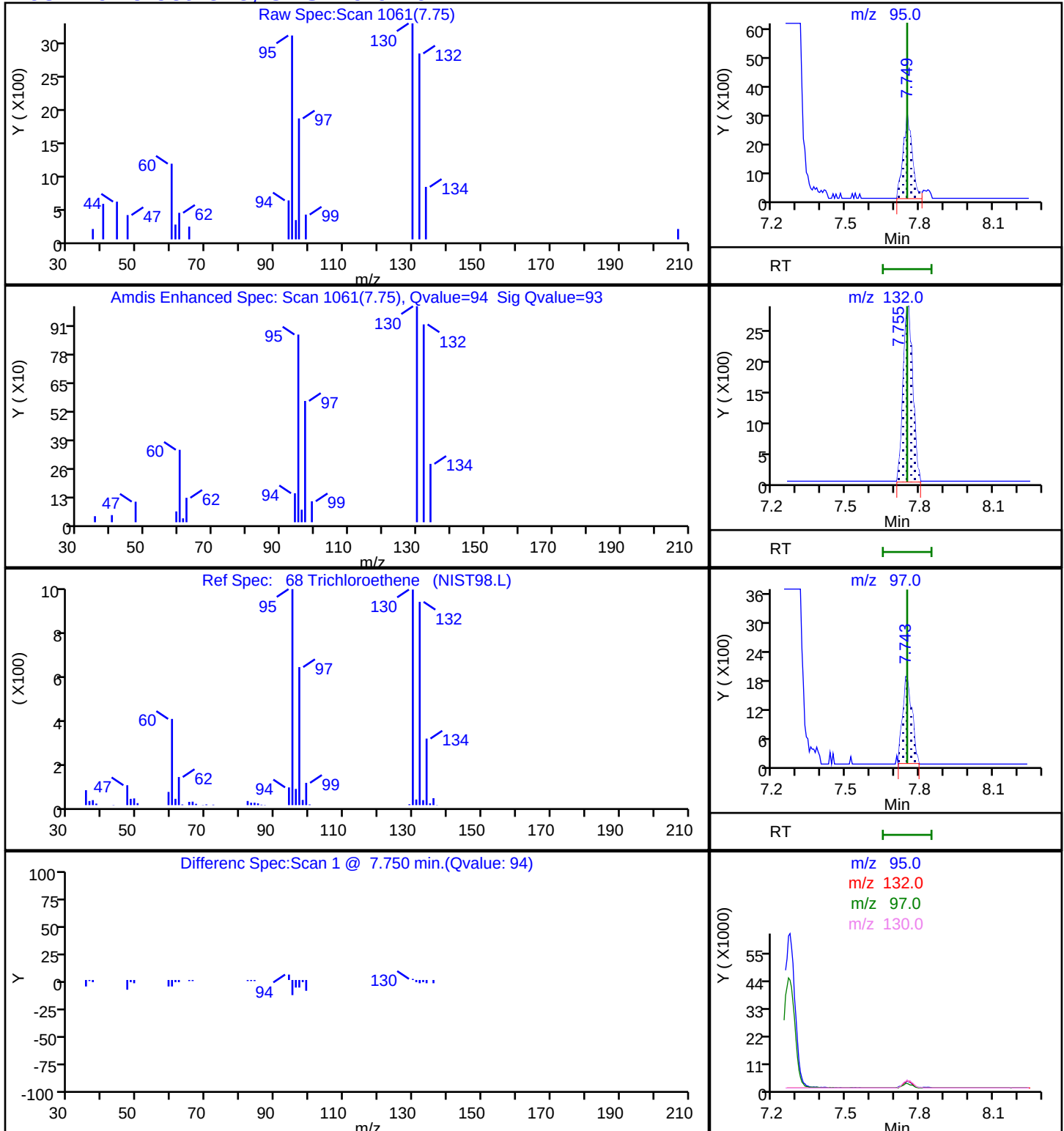
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-5

Matrix: Water

Lab File ID: CL08X11.D

Analysis Method: 8260D

Date Collected: 06/26/2024 07:45

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 15:02

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

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	0.13	J	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	2.0	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.21	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	1.8		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-13-0/1-0 Lab Sample ID: 410-177855-5

Matrix: Water Lab File ID: CL08X11.D

Analysis Method: 8260D Date Collected: 06/26/2024 07:45

Sample wt/vol: 25 (mL) Date Analyzed: 07/08/2024 15:02

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 525536 Units: ug/L

Preparation Batch No.: _____ Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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	0.20	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		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\10193\20240708-118704.b\CL08X11.D
 Lims ID: 410-177855-A-5
 Client ID: HD-COD-SW-13-0/1-0
 Sample Type: Client
 Inject. Date: 08-Jul-2024 15:02:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-012
 Misc. Info.: 410-177855-A-5
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 11:36:53 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:36:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.988				ND	
6 Vinyl chloride	62		2.085				ND	7
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.189				ND	7
20 Acetone	43	3.232	3.213	0.019	99	15522	2.00	
25 Carbon disulfide	76		3.457				ND	7
30 Methylene Chloride	84		3.780				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.811	3.798	0.013	97	156193	50.0	
34 Methyl tert-butyl ether	73		4.140				ND	
35 trans-1,2-Dichloroethene	96		4.146				ND	
37 1,1-Dichloroethane	63	4.805	4.798	0.007	88	3322	0.0322	M
42 2-Butanone (MEK)	43	5.634	5.609	0.025	30	6003	0.4223	
43 cis-1,2-Dichloroethene	96	5.652	5.646	0.006	76	14034	0.2081	
48 Chlorobromomethane	128		5.981				ND	
50 Chloroform	83	6.146	6.139	0.007	94	7955	0.0728	
\$ 54 Dibromofluoromethane (Surr)	113	6.365	6.359	0.006	94	544656	10.2	
53 1,1,1-Trichloroethane	97	6.359	6.365	-0.006	63	11562	0.1267	
56 Carbon tetrachloride	117		6.572				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.829	6.816	0.013	99	109025	10.0	
60 Benzene	78		6.847				ND	7
61 1,2-Dichloroethane	62		6.920				ND	7
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2199073	10.0	
68 Trichloroethene	95	7.755	7.749	0.006	96	13515	0.2002	
70 1,2-Dichloropropane	63		8.090				ND	
76 Dichlorobromomethane	83		8.450				ND	7
80 cis-1,3-Dichloropropene	75		9.023				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.224				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2197279	9.96	
84 Toluene	92	9.438	9.438	0.000	99	9476	0.0579	
85 trans-1,3-Dichloropropene	75		9.724				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.937				ND	
88 Tetrachloroethene	166	10.017	10.017	0.000	97	147883	1.82	
106 2-Hexanone	43		10.175				ND	7
108 Chlorodibromomethane	129		10.328				ND	7
110 Ethylene Dibromide	107		10.437				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1722323	10.0	
113 Chlorobenzene	112		10.925				ND	
114 1,1,1,2-Tetrachloroethane	131		11.010				ND	
115 Ethylbenzene	91		11.017				ND	7
116 m-Xylene & p-Xylene	106		11.138				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.480				ND	7
119 Styrene	104		11.498				ND	7
120 Bromoform	173		11.651				ND	7
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	96	778380	9.38	
126 1,1,2,2-Tetrachloroethane	83		12.053				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.840	12.839	0.001	93	953683	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 09-Jul-2024 11:36:54

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X11.D

Injection Date: 08-Jul-2024 15:02:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-177855-A-5

Lab Sample ID: 410-177855-5

Worklist Smp#: 12

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

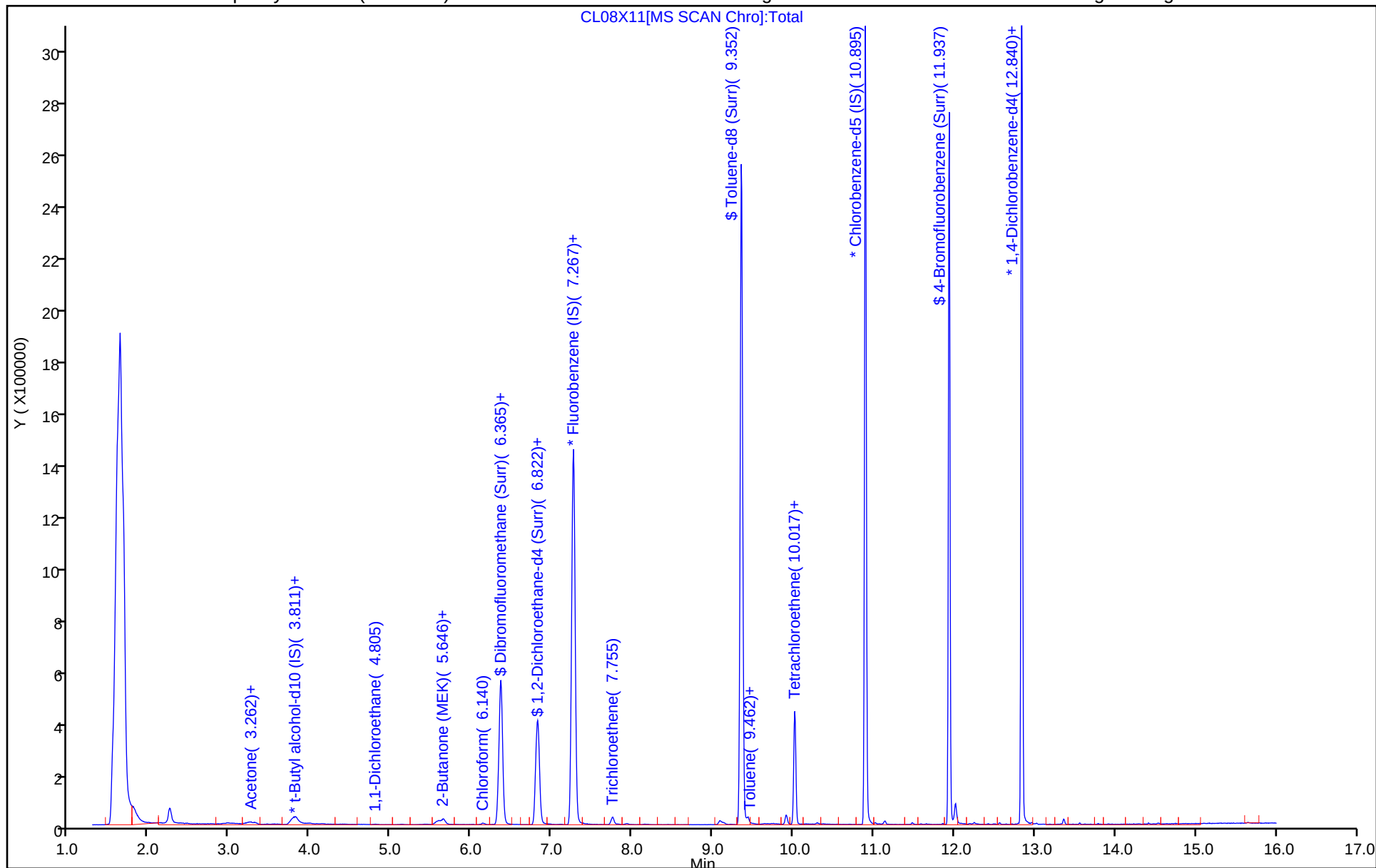
ALS Bottle#: 11

Method: MSV_10193_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\10193\20240708-118704.b\CL08X11.D
Lims ID: 410-177855-A-5
Client ID: HD-COD-SW-13-0/1-0
Sample Type: Client
Inject. Date: 08-Jul-2024 15:02:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-012
Misc. Info.: 410-177855-A-5
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 11:36:53 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:36:53

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.2	102.27
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.07
\$ 83 Toluene-d8 (Surr)	10.0	9.96	99.57
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.38	93.83

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X11.D

Injection Date: 08-Jul-2024 15:02:30

Instrument ID: 10193

Lims ID: 410-177855-A-5

Lab Sample ID: 410-177855-5

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

Operator ID: knk41612

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

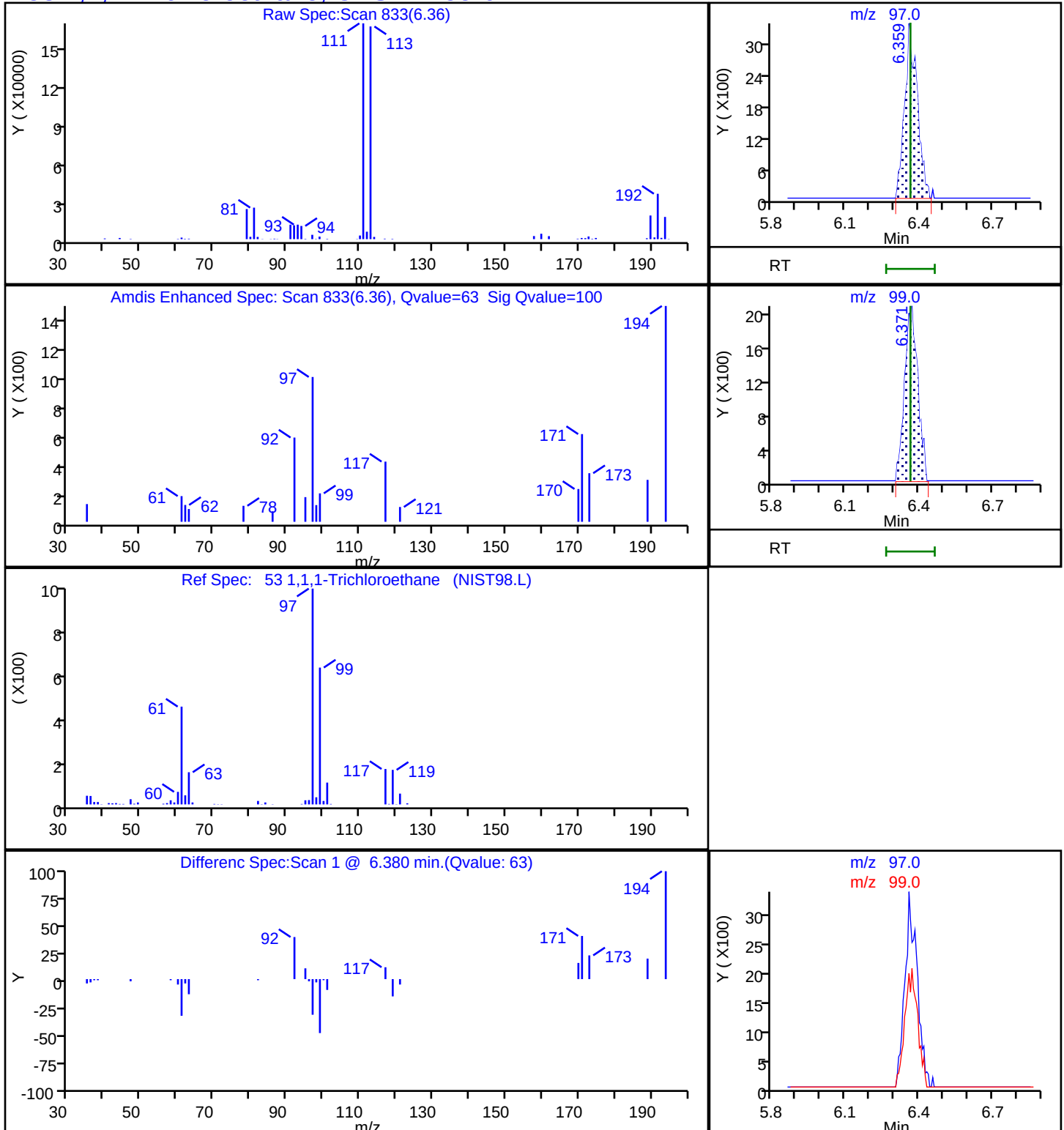
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X11.D

Injection Date: 08-Jul-2024 15:02:30

Instrument ID: 10193

Lims ID: 410-177855-A-5

Lab Sample ID: 410-177855-5

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

Operator ID: knk41612

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

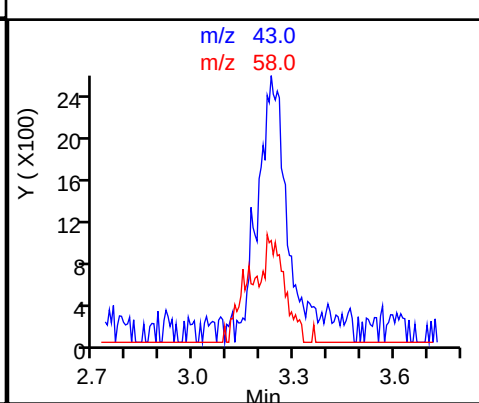
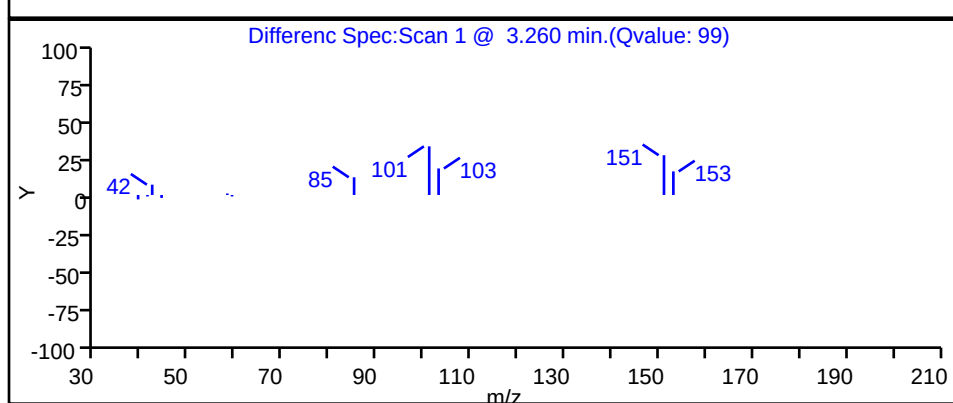
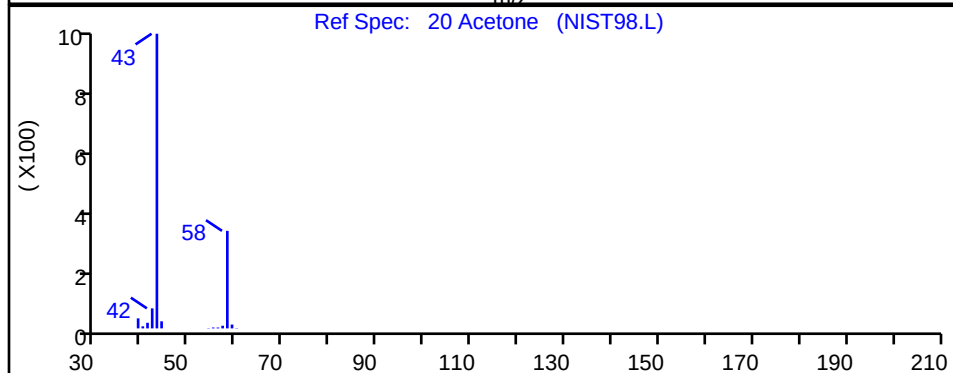
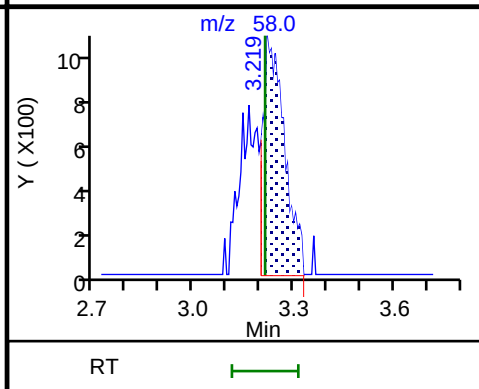
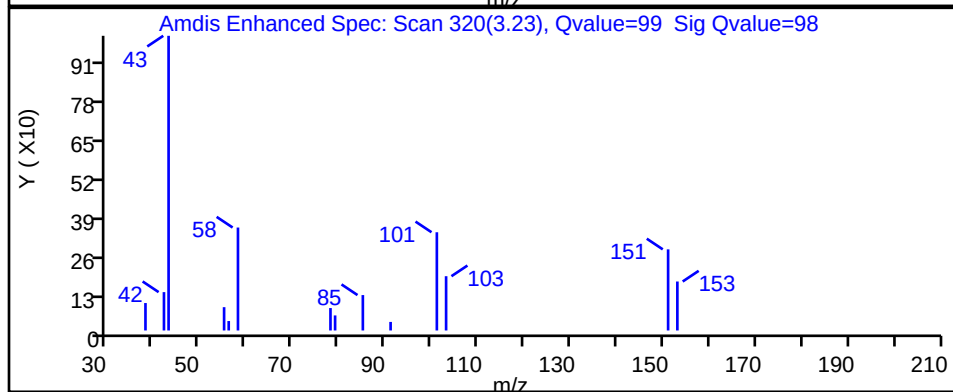
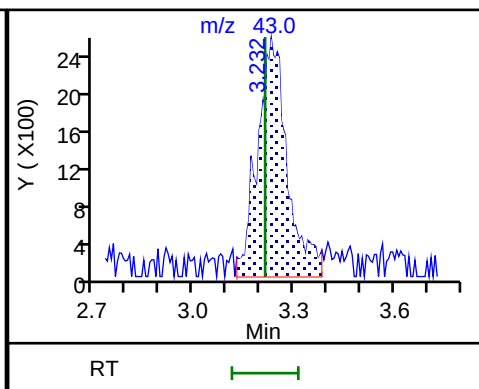
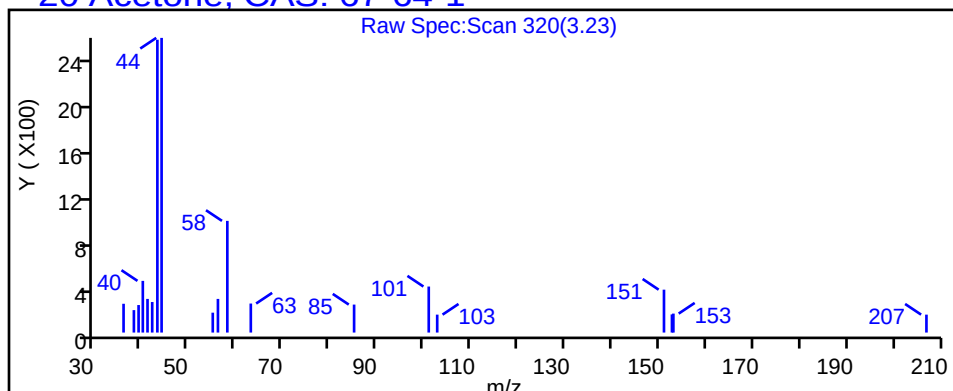
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

20 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X11.D

Injection Date: 08-Jul-2024 15:02:30

Instrument ID: 10193

Lims ID: 410-177855-A-5

Lab Sample ID: 410-177855-5

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

Operator ID: knk41612

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

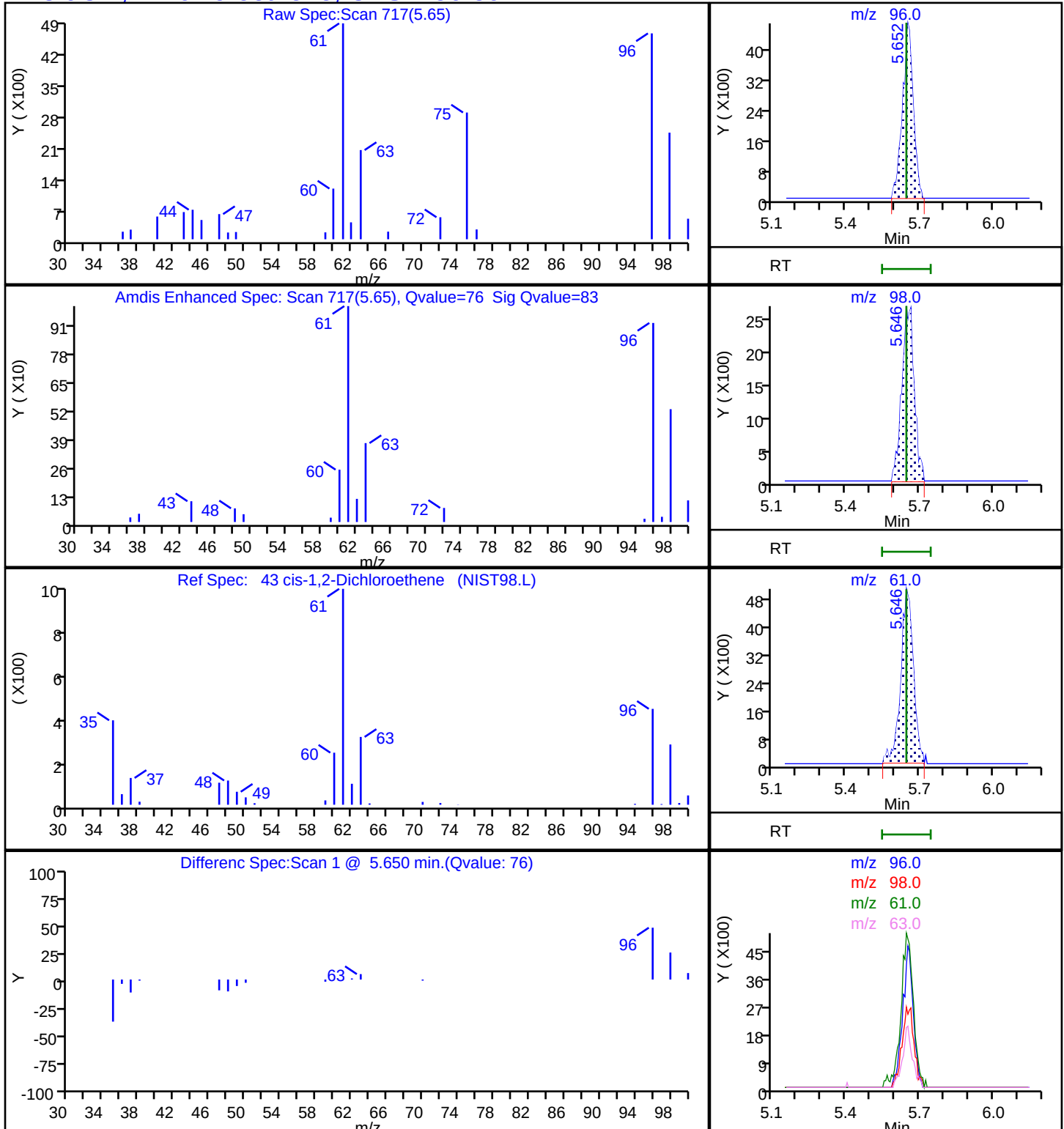
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X11.D

Injection Date: 08-Jul-2024 15:02:30

Instrument ID: 10193

Lims ID: 410-177855-A-5

Lab Sample ID: 410-177855-5

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

Operator ID: knk41612

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

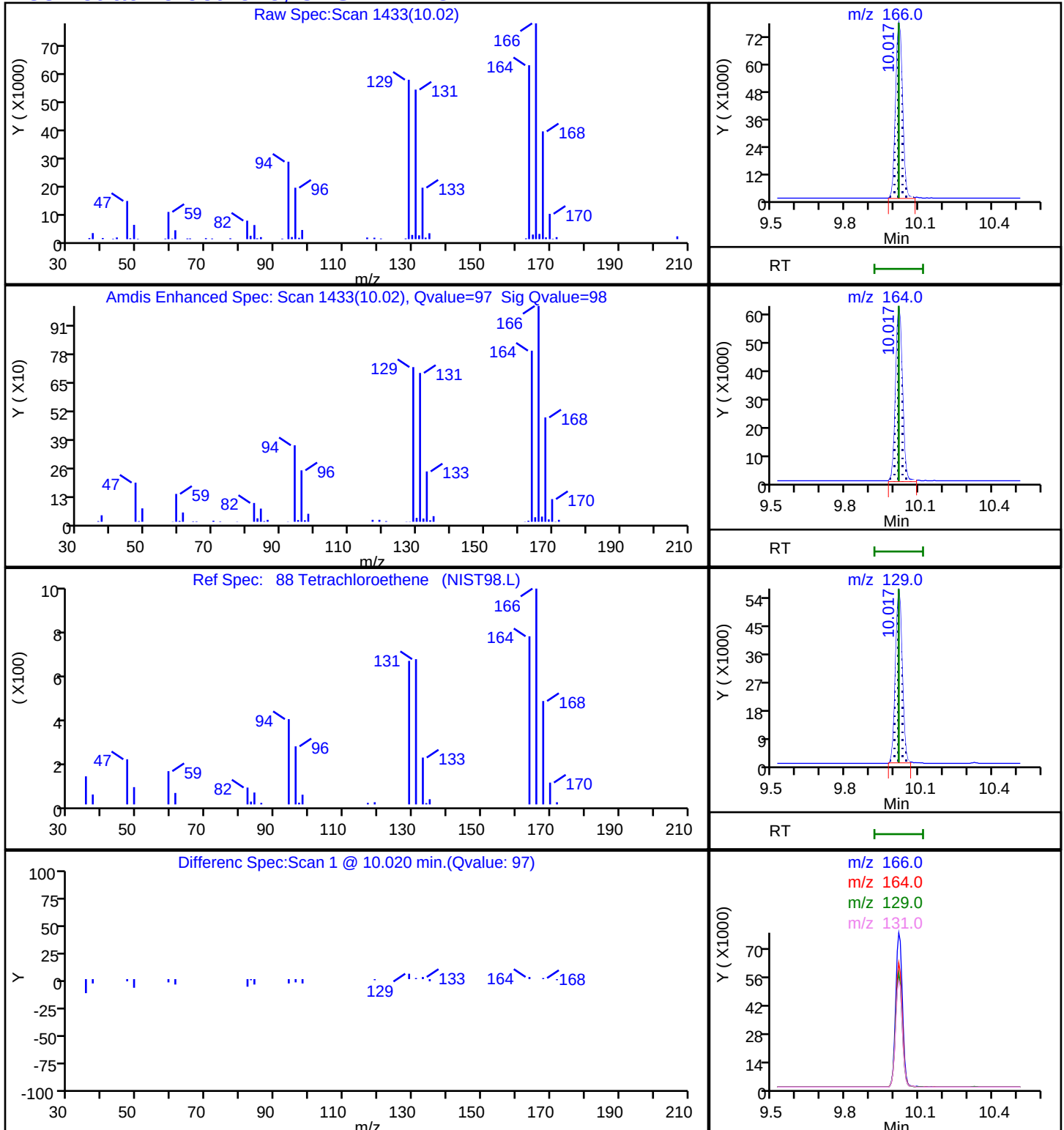
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

88 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X11.D

Injection Date: 08-Jul-2024 15:02:30

Instrument ID: 10193

Lims ID: 410-177855-A-5

Lab Sample ID: 410-177855-5

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

Operator ID: knk41612

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

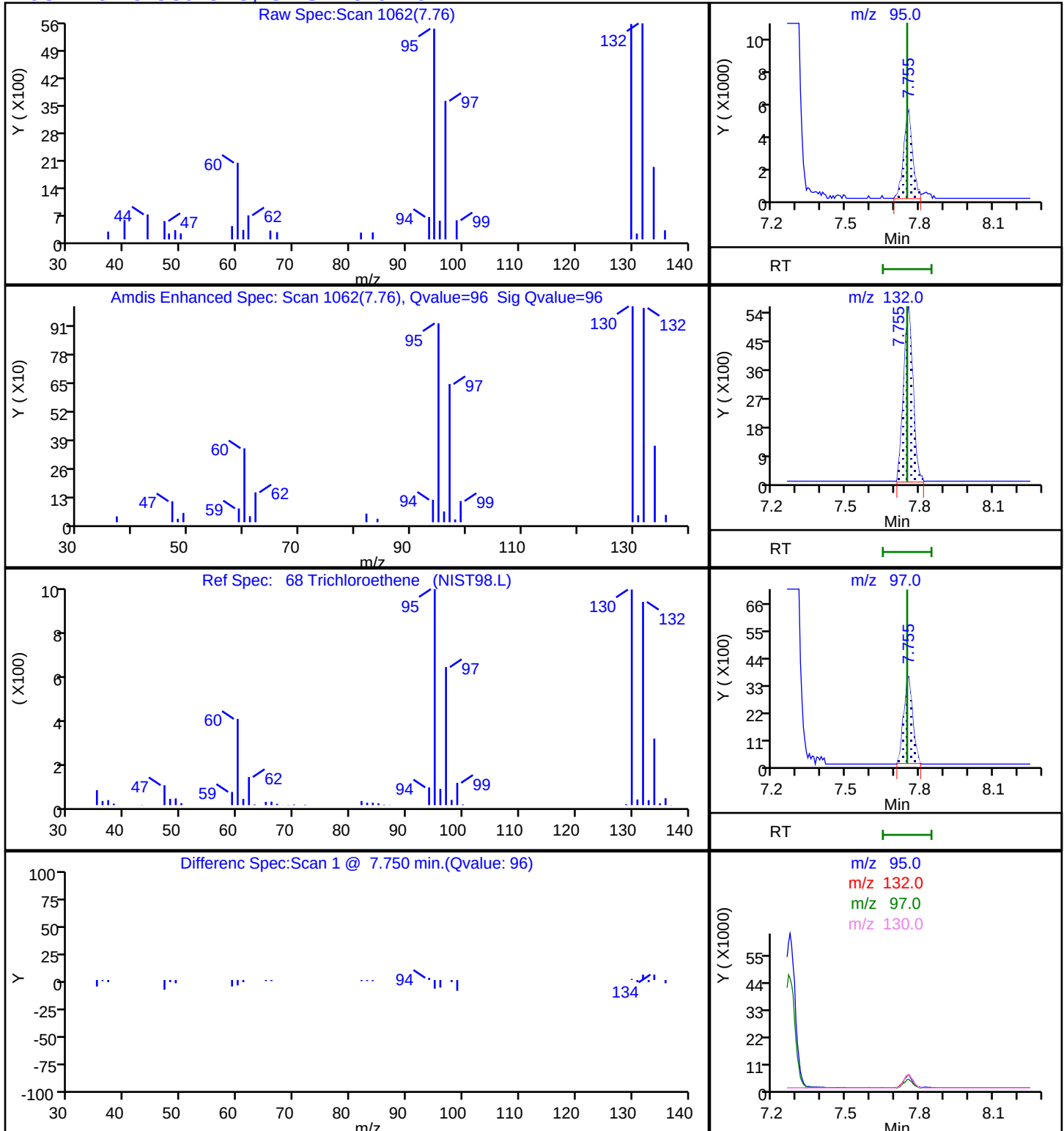
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

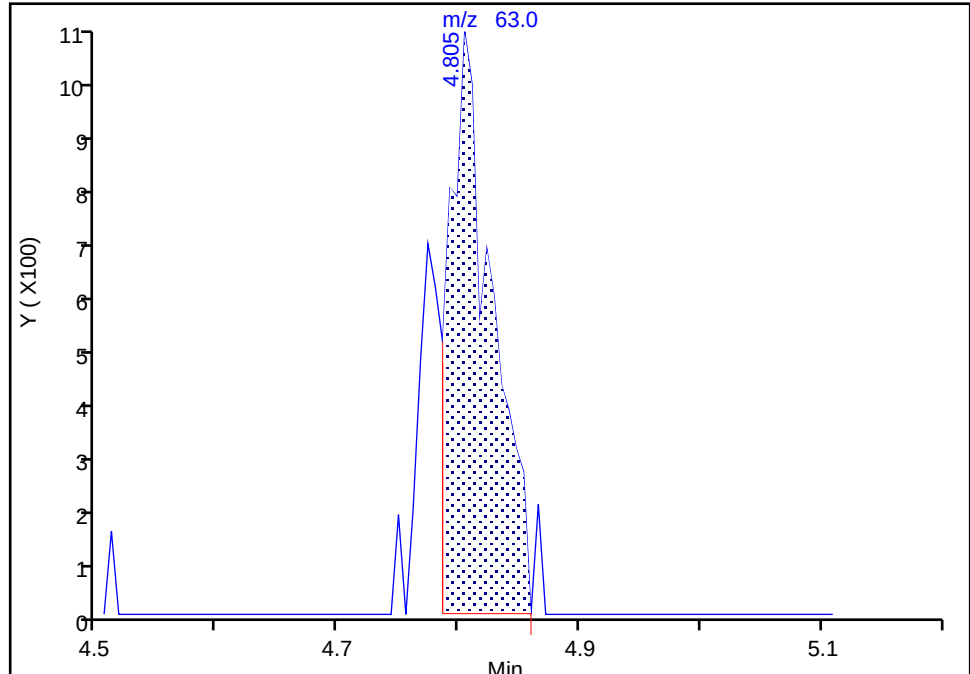
Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X11.D
Injection Date: 08-Jul-2024 15:02:30 Instrument ID: 10193
Lims ID: 410-177855-A-5 Lab Sample ID: 410-177855-5
Client ID: HD-COD-SW-13-0/1-0
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

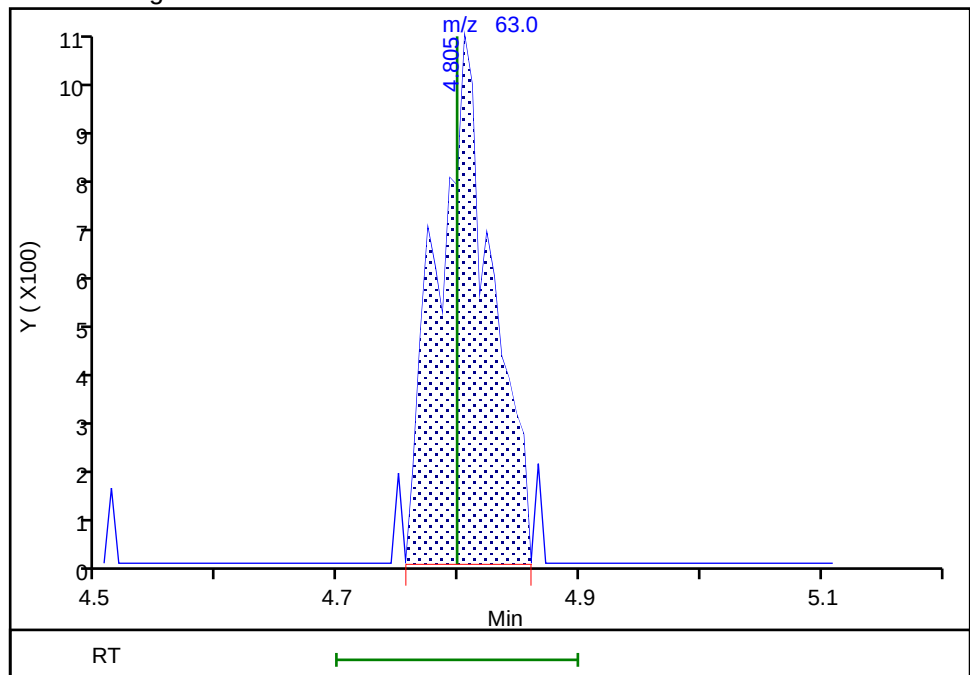
RT: 4.80
Area: 2619
Amount: 0.025393
Amount Units: ug/l

Processing Integration Results



RT: 4.80
Area: 3322
Amount: 0.032209
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 09-Jul-2024 11:36:18 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-6

Matrix: Water

Lab File ID: CL08X12.D

Analysis Method: 8260D

Date Collected: 06/26/2024 10:30

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 15:24

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.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

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	0.23	J	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	0.15	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	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.22	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.76		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	4.5		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-15-0/1-0 Lab Sample ID: 410-177855-6

Matrix: Water Lab File ID: CL08X12.D

Analysis Method: 8260D Date Collected: 06/26/2024 10:30

Sample wt/vol: 25 (mL) Date Analyzed: 07/08/2024 15:24

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.: 525536 Units: ug/L

Preparation Batch No.: _____ Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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	0.97		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)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		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\10193\20240708-118704.b\CL08X12.D
 Lims ID: 410-177855-A-6
 Client ID: HD-COD-SW-15-0/1-0
 Sample Type: Client
 Inject. Date: 08-Jul-2024 15:24:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-013
 Misc. Info.: 410-177855-A-6
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 11:38:42 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:38:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.762				ND	
2 Dichlorodifluoromethane	85		1.799				ND	
3 Chlorodifluoromethane	51		1.811				ND	7
4 Dimethyl ether	45		1.860				ND	
5 Chloromethane	50		1.988				ND	
6 Vinyl chloride	62		2.085				ND	
7 Butadiene	39		2.116				ND	7
8 2-Chloro-1,1,1-Trifluoroethane	118		2.153				ND	
9 Bromomethane	94		2.402				ND	
10 Chloroethane	64		2.445				ND	
11 Dichlorofluoromethane	67		2.695				ND	
13 Pentane	43		2.732				ND	U
12 Trichlorofluoromethane	101		2.738				ND	
T 15 Vinyl bromide TIC	106		2.830				ND	
14 Ethyl ether	59		2.914				ND	
16 1,2-Dichloro-1,1,2-trifluoroetha	67		3.012				ND	7
17 Acrolein	56		3.073				ND	7
T 19 Ethanol TIC	45	3.116	3.099	0.017	1	78	0.000363	
18 1,1-Dichloroethene	96	3.201	3.189	0.012	97	7167	0.1456	
20 Acetone	43		3.213				ND	U
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.244				ND	
T 167 Isopropyl alcohol TIC	45	3.323	3.276	0.047	1	63	0.000293	
24 Isopropyl alcohol	45		3.359				ND	U
22 Iodomethane	142		3.366				ND	
23 Ethyl bromide	108		3.390				ND	
25 Carbon disulfide	76		3.457				ND	7
T 28 Acetonitrile TIC	41	3.433	3.477	-0.044	1	143	0.000665	
27 Acetonitrile	41		3.561				ND	
26 Methyl acetate	43		3.591				ND	
29 3-Chloro-1-propene	41		3.609				ND	7
30 Methylene Chloride	84		3.780				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 t-Butyl alcohol-d10 (IS)	65	3.799	3.798	0.001	95	135707	50.0	
32 2-Methyl-2-propanol	59		3.902				ND	
33 Acrylonitrile	53		4.091				ND	
34 Methyl tert-butyl ether	73	4.158	4.140	0.018	95	5209	0.0347	
35 trans-1,2-Dichloroethene	96		4.146				ND	
36 Hexane	57		4.554				ND	
38 Vinyl acetate	43		4.780				ND	
37 1,1-Dichloroethane	63	4.786	4.798	-0.012	94	9615	0.0953	
39 Isopropyl ether	45		4.865				ND	
40 2-Chloro-1,3-butadiene	53		4.908				ND	
41 Tert-butyl ethyl ether	59		5.408				ND	7
42 2-Butanone (MEK)	43		5.609				ND	7
43 cis-1,2-Dichloroethene	96	5.652	5.646	0.006	79	49910	0.7564	
44 2,2-Dichloropropane	77		5.664				ND	7
46 Ethyl acetate	43		5.682				ND	7
45 Propionitrile	54		5.707				ND	
47 Methacrylonitrile	67		5.926				ND	
49 Tetrahydrofuran	71		5.981				ND	
48 Chlorobromomethane	128		5.981				ND	
51 Methyl acrylate	55		6.013				ND	
50 Chloroform	83	6.140	6.139	0.001	93	23240	0.2174	
S 52 1,2-Dichloroethene, Total	100				0		0.7564	
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	93	531373	10.2	
53 1,1,1-Trichloroethane	97	6.365	6.365	0.000	82	20154	0.2257	
55 Cyclohexane	56		6.463				ND	
56 Carbon tetrachloride	117	6.585	6.572	0.013	89	2878	0.0356	
57 1,1-Dichloropropene	75		6.578				ND	
58 Isobutyl alcohol	41		6.767				ND	
62 1-Chlorobutane	56		6.781				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.822	6.816	0.006	99	107871	10.1	
60 Benzene	78		6.847				ND	7
61 1,2-Dichloroethane	62		6.920				ND	7
63 Isopropyl acetate	43		6.956				ND	
64 Tert-amyl methyl ether	73		7.054				ND	
* 65 Fluorobenzene (IS)	96	7.261	7.267	-0.006	99	2151696	10.0	
66 n-Heptane	43		7.279				ND	7
67 n-Butanol	56		7.676				ND	
68 Trichloroethene	95	7.755	7.749	0.006	96	63819	0.9660	
69 Methylcyclohexane	83		8.060				ND	
70 1,2-Dichloropropane	63		8.090				ND	
71 2-ethoxy-2-methyl butane	87		8.115				ND	
74 1,4-Dioxane	88		8.188				ND	
73 Methyl methacrylate	69		8.194				ND	
72 Dibromomethane	93		8.200				ND	
75 n-Propyl acetate	61		8.292				ND	
76 Dichlorobromomethane	83		8.450				ND	7
77 2-Nitropropane	41		8.736				ND	
79 2-Chloroethyl vinyl ether	63		8.840				ND	
78 1-Bromo-2-chloroethane	63		8.846				ND	
80 cis-1,3-Dichloropropene	75		9.023				ND	
81 Chloroacetonitrile	75		9.067				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.224				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2171439	9.96	
84 Toluene	92		9.438				ND	7
85 trans-1,3-Dichloropropene	75		9.724				ND	7
86 Ethyl methacrylate	69		9.797				ND	
87 1,1,2-Trichloroethane	97		9.937				ND	7
T 94 2,3-Dibromo-1-propanol TIC	57	10.297	10.000	0.297	1	470	0.002184	
T 91 Octamethylcyclotetrasiloxane TIC	781	11.846	10.000	1.846	1	86	0.000400	
T 93 Monochloroacetic acid TIC	50	9.993	10.000	-0.007	1	57	0.000265	
T 90 2-Bromoethanol TIC	45	9.919	10.000	-0.081	1	121	0.000562	
T 98 Epichlorohydrin TIC	57	10.297	10.000	0.297	1	470	0.002184	
T 100 2-Bromo-3-chloropropene TIC	75	9.932	10.000	-0.068	1	210	0.000976	
T 92 3-Chloro-1,2-propanediol TIC	43		10.000				ND	
T 95 Vinyl acetate (TIC)	43		10.000				ND	
T 105 Chloroacetaldehyde TIC	50	9.993	10.000	-0.007	1	57	0.000265	
T 97 Decamethylcyclopentasiloxane TIC	781	9.913	10.000	-0.087	1	237	0.001101	
T 96 Nitrobenzene TIC	77	9.999	10.000	-0.001	1	144	0.000669	
T 99 2,3-Dibromopropene TIC	119	10.017	10.000	0.017	1	2970	0.0138	
T 101 Ethylene oxide TIC	43		10.000				ND	
T 103 2-Chloroethanol TIC	44	10.011	10.000	0.011	1	587	0.002728	
T 104 Epibromohydrin TIC	57		10.000				ND	
T 102 Methyl acrylate TIC	55	10.316	10.000	0.316	1	120	0.000558	
88 Tetrachloroethene	166	10.017	10.017	0.000	97	362756	4.52	
S 107 1,3-Dichloropropene, Total	100		10.060				ND	7
89 1,3-Dichloropropane	76		10.108				ND	
106 2-Hexanone	43		10.175				ND	7
109 n-Butyl acetate	43		10.316				ND	U
108 Chlorodibromomethane	129		10.328				ND	
110 Ethylene Dibromide	107		10.437				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1701722	10.0	
112 1-Chlorohexane	91		10.919				ND	7
113 Chlorobenzene	112		10.925				ND	
114 1,1,1,2-Tetrachloroethane	131		11.010				ND	
115 Ethylbenzene	91		11.017				ND	7
116 m-Xylene & p-Xylene	106		11.138				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.480				ND	7
119 Styrene	104		11.498				ND	7
120 Bromoform	173		11.651				ND	7
121 Isopropylbenzene	105		11.791				ND	
122 cis-1,4-Dichloro-2-butene	88		11.852				ND	
123 Cyclohexanone	55		11.876				ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	96	761708	9.29	
126 1,1,2,2-Tetrachloroethane	83		12.053				ND	
125 Bromobenzene	156		12.053				ND	
127 trans-1,4-Dichloro-2-butene	53		12.077				ND	
128 1,2,3-Trichloropropane	110		12.096				ND	
129 N-Propylbenzene	91		12.132				ND	
130 2-Chlorotoluene	126		12.205				ND	
131 1,3,5-Trimethylbenzene	105		12.272				ND	7
132 4-Chlorotoluene	126		12.303				ND	
133 tert-Butylbenzene	134		12.522				ND	
134 Pentachloroethane	167		12.547				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
135 1,2,4-Trimethylbenzene	105		12.565				ND	7
136 sec-Butylbenzene	105		12.687				ND	
137 1,3-Dichlorobenzene	146		12.784				ND	7
138 4-Isopropyltoluene	119		12.797				ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.840	12.839	0.001	93	934833	10.0	
140 1,4-Dichlorobenzene	146		12.858				ND	7
141 1,2,3-Trimethylbenzene	120		12.876				ND	7
142 Benzyl chloride	126		12.943				ND	7
145 p-Diethylbenzene	119		13.077				ND	
143 n-Butylbenzene	92		13.095				ND	
144 1,2-Dichlorobenzene	146		13.120				ND	
T 146 Hexachloroethane TIC	117		13.444				ND	
147 Hexachloroethane	117		13.444				ND	
148 1,2-Dibromo-3-Chloropropane	155		13.675				ND	
149 1,3,5-Trichlorobenzene	180		13.803				ND	
150 1,2,4-Trichlorobenzene	180		14.229				ND	7
151 Hexachlorobutadiene	225		14.321				ND	
152 Naphthalene	128		14.412				ND	7
153 1,2,3-Trichlorobenzene	180		14.559				ND	7
154 2-Methylnaphthalene	142		15.174				ND	U
155 Dodecane	57		0.000				ND	
156 1,1-Dichloro-1-fluoroethane	1		0.000				ND	
157 tert-Butyl Formate	1		0.000				ND	
158 2-Bromo-1-chloropropane	1		0.000				ND	
159 1-Chloropropane	1		0.000				ND	
160 1,1-Dichloroacetone	1		0.000				ND	
161 Methylal	1		0.000				ND	
162 Propene oxide	1		0.000				ND	
163 t-Amyl alcohol	1		0.000				ND	
164 Ethanol	45		0.000				ND	
165 n-Decane	57		0.000				ND	
166 1-Bromo-3-Chloropropane	1		0.000				ND	
244 1,1-Dichloro-1-fluoroethane TIC	1		0.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X12.D

Injection Date: 08-Jul-2024 15:24:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-177855-A-6

Lab Sample ID: 410-177855-6

Worklist Smp#: 13

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

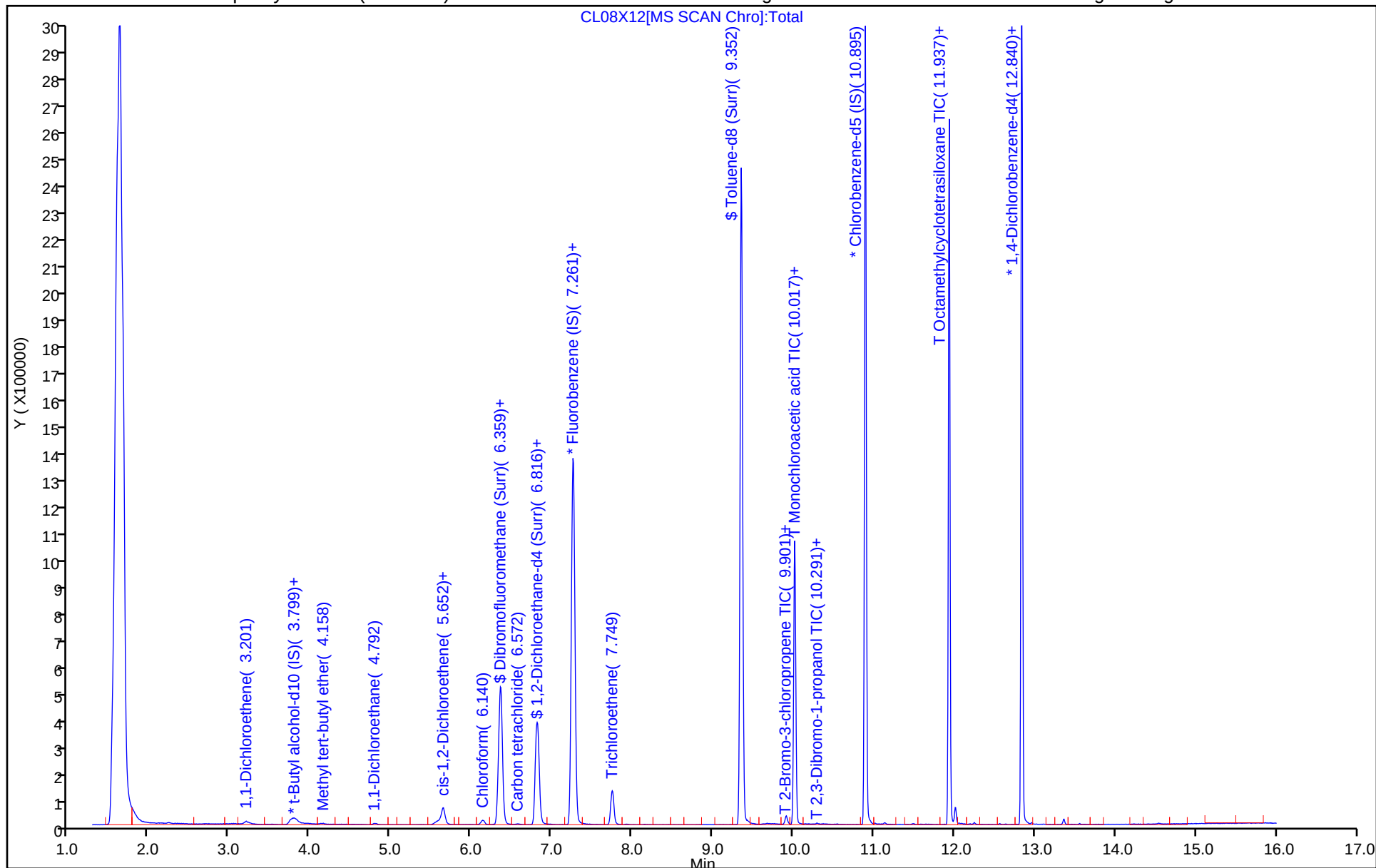
ALS Bottle#: 12

Method: MSV_10193_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\10193\20240708-118704.b\CL08X12.D
Lims ID: 410-177855-A-6
Client ID: HD-COD-SW-15-0/1-0
Sample Type: Client
Inject. Date: 08-Jul-2024 15:24:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-013
Misc. Info.: 410-177855-A-6
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 11:38:42 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:38:42

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.2	101.98
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	101.19
\$ 83 Toluene-d8 (Surr)	10.0	9.96	99.59
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.29	92.93

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X12.D

Injection Date: 08-Jul-2024 15:24:30

Instrument ID: 10193

Lims ID: 410-177855-A-6

Lab Sample ID: 410-177855-6

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

Operator ID: knk41612

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 25.000 mL

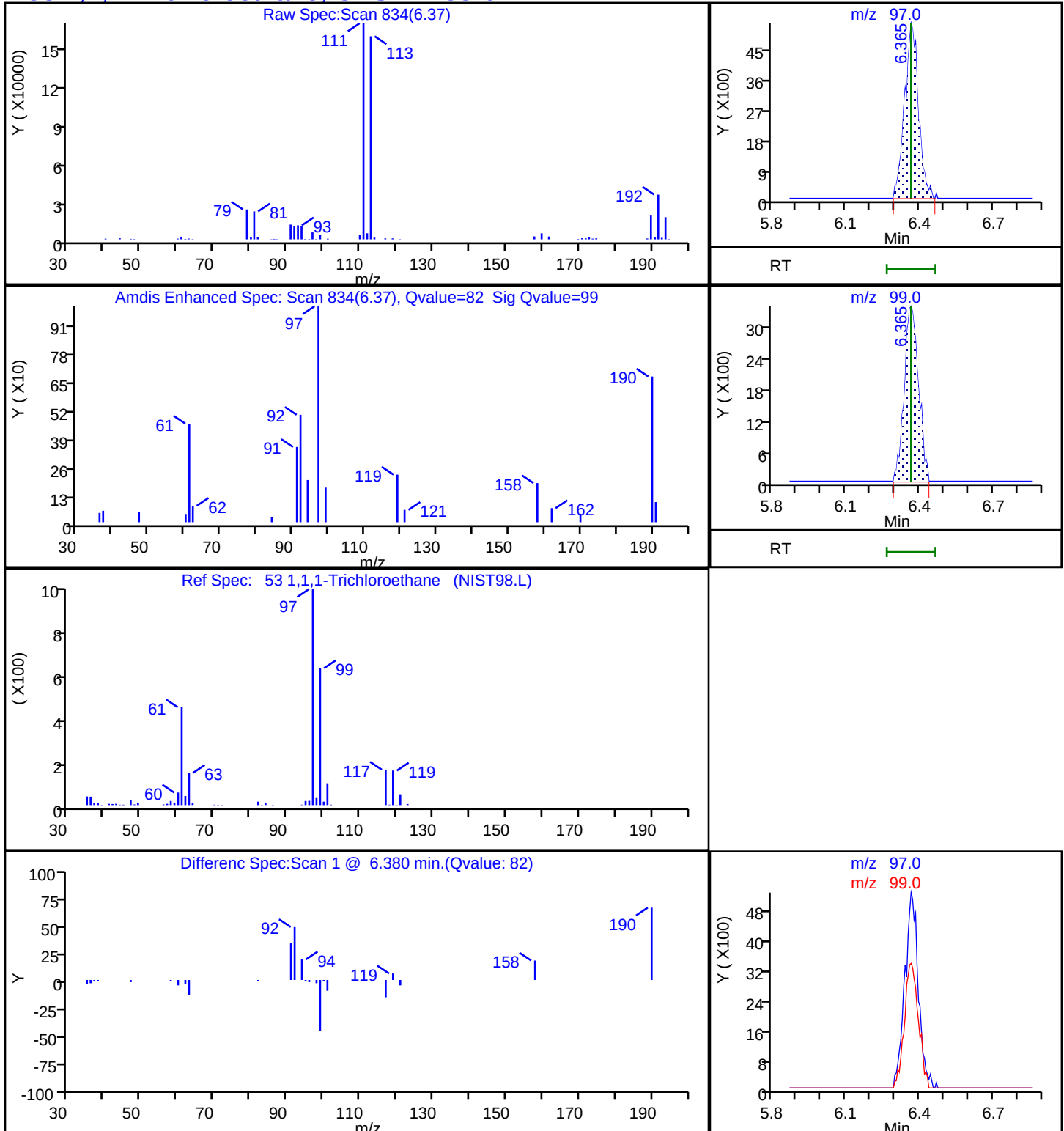
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X12.D

Injection Date: 08-Jul-2024 15:24:30

Instrument ID: 10193

Lims ID: 410-177855-A-6

Lab Sample ID: 410-177855-6

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

Operator ID: knk41612

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 25.000 mL

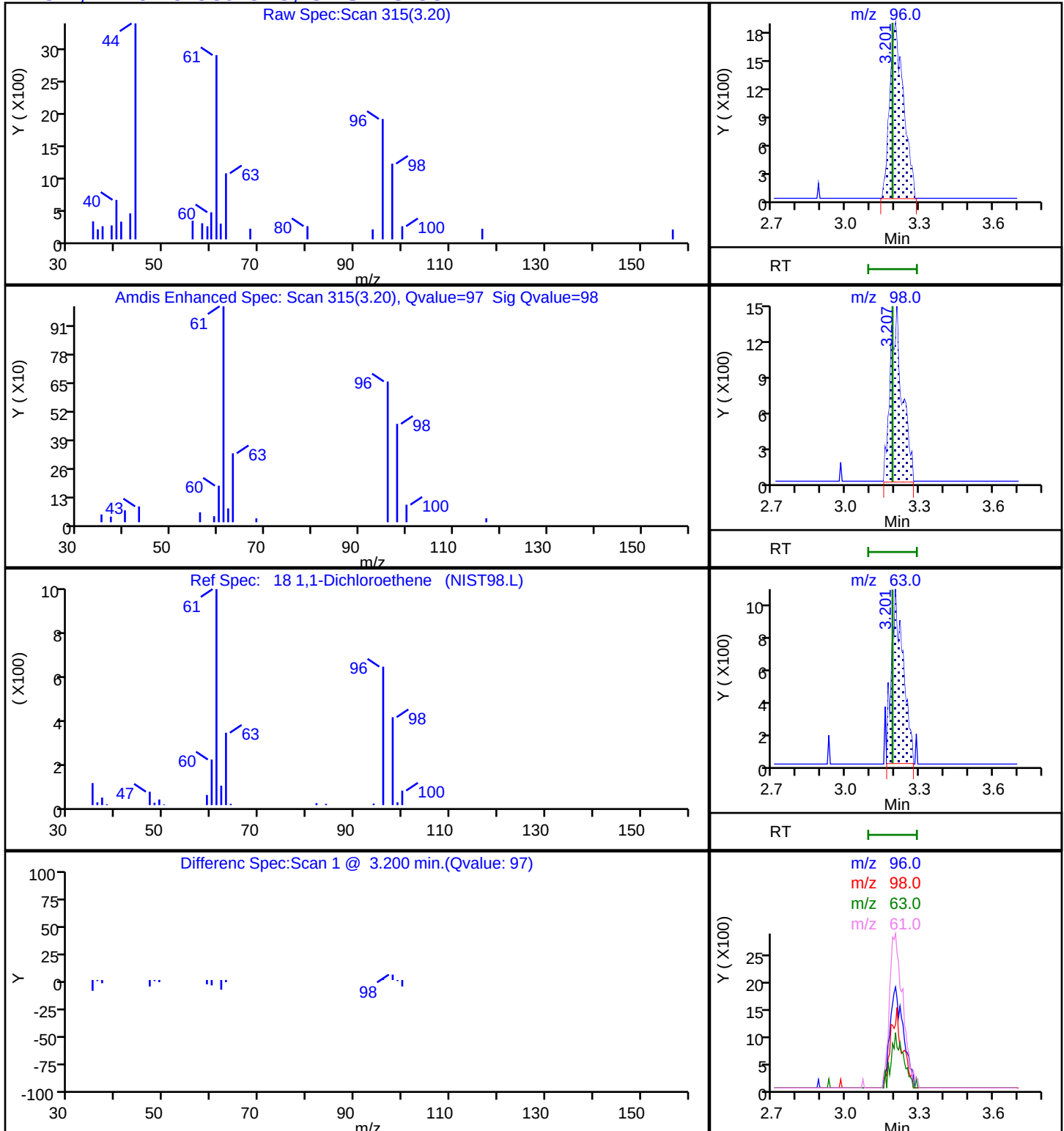
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X12.D

Injection Date: 08-Jul-2024 15:24:30

Instrument ID: 10193

Lims ID: 410-177855-A-6

Lab Sample ID: 410-177855-6

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

Operator ID: knk41612

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 25.000 mL

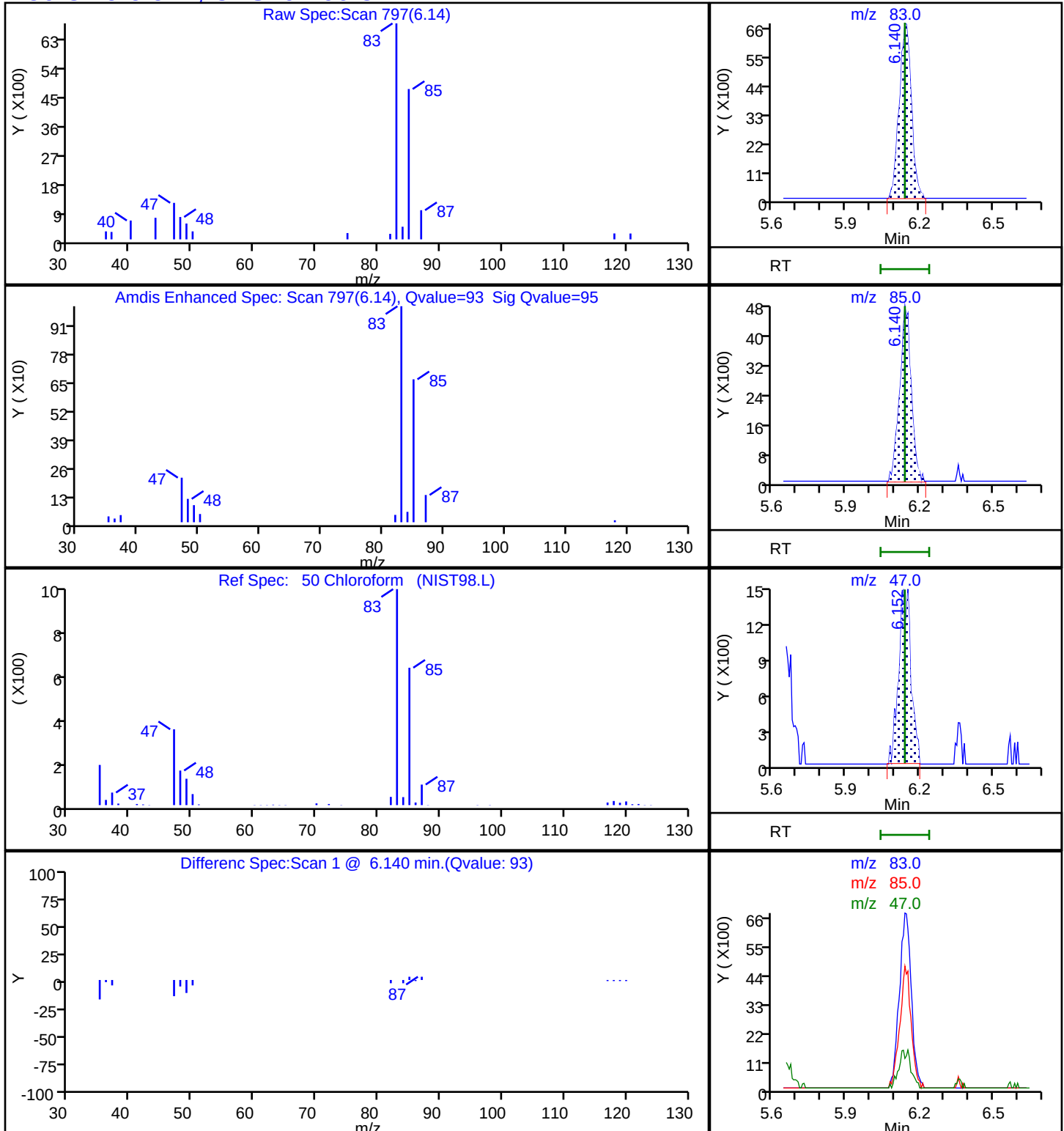
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

50 Chloroform, CAS: 67-66-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X12.D

Injection Date: 08-Jul-2024 15:24:30

Instrument ID: 10193

Lims ID: 410-177855-A-6

Lab Sample ID: 410-177855-6

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

Operator ID: knk41612

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 25.000 mL

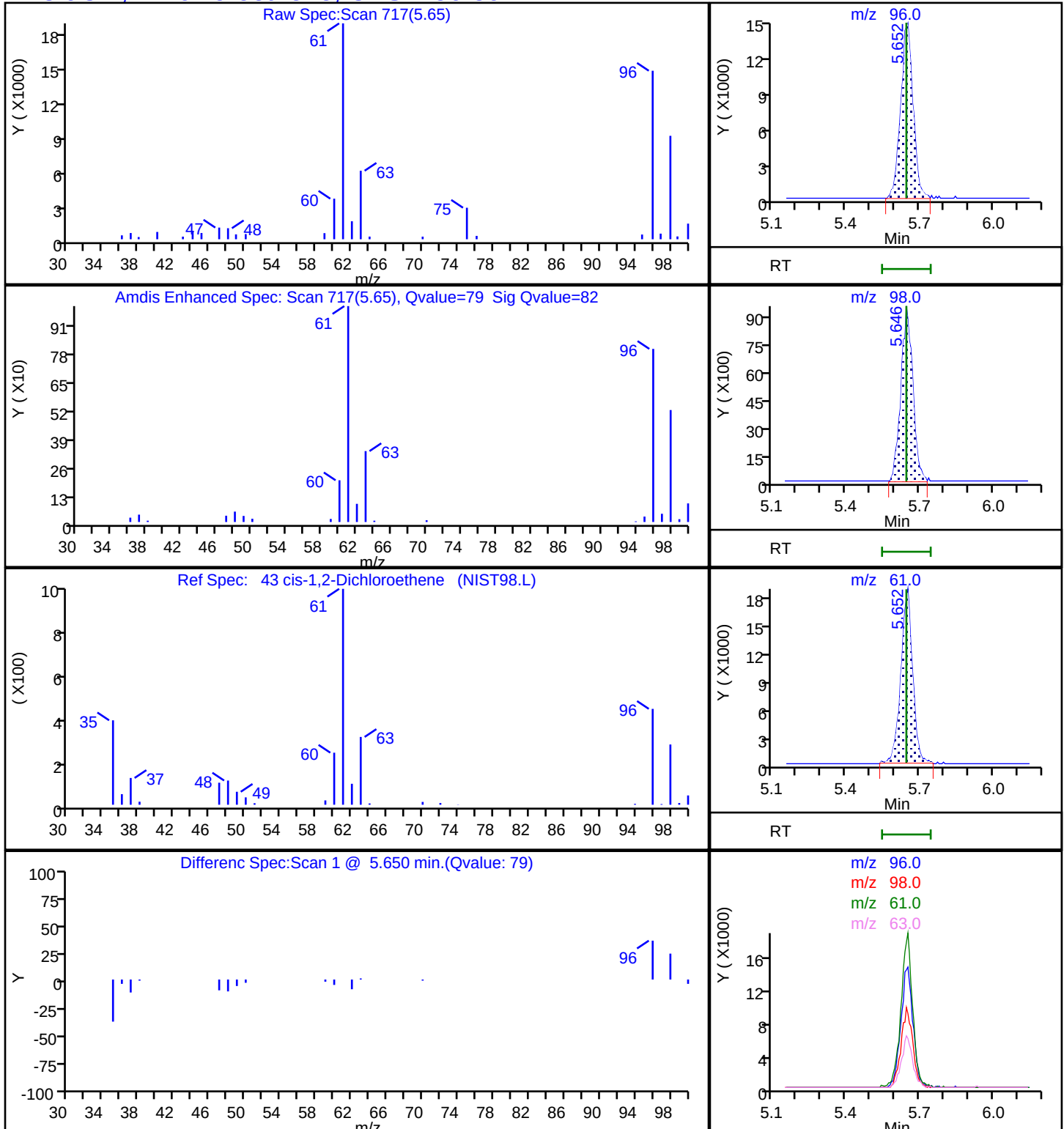
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X12.D

Injection Date: 08-Jul-2024 15:24:30

Instrument ID: 10193

Lims ID: 410-177855-A-6

Lab Sample ID: 410-177855-6

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

Operator ID: knk41612

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 25.000 mL

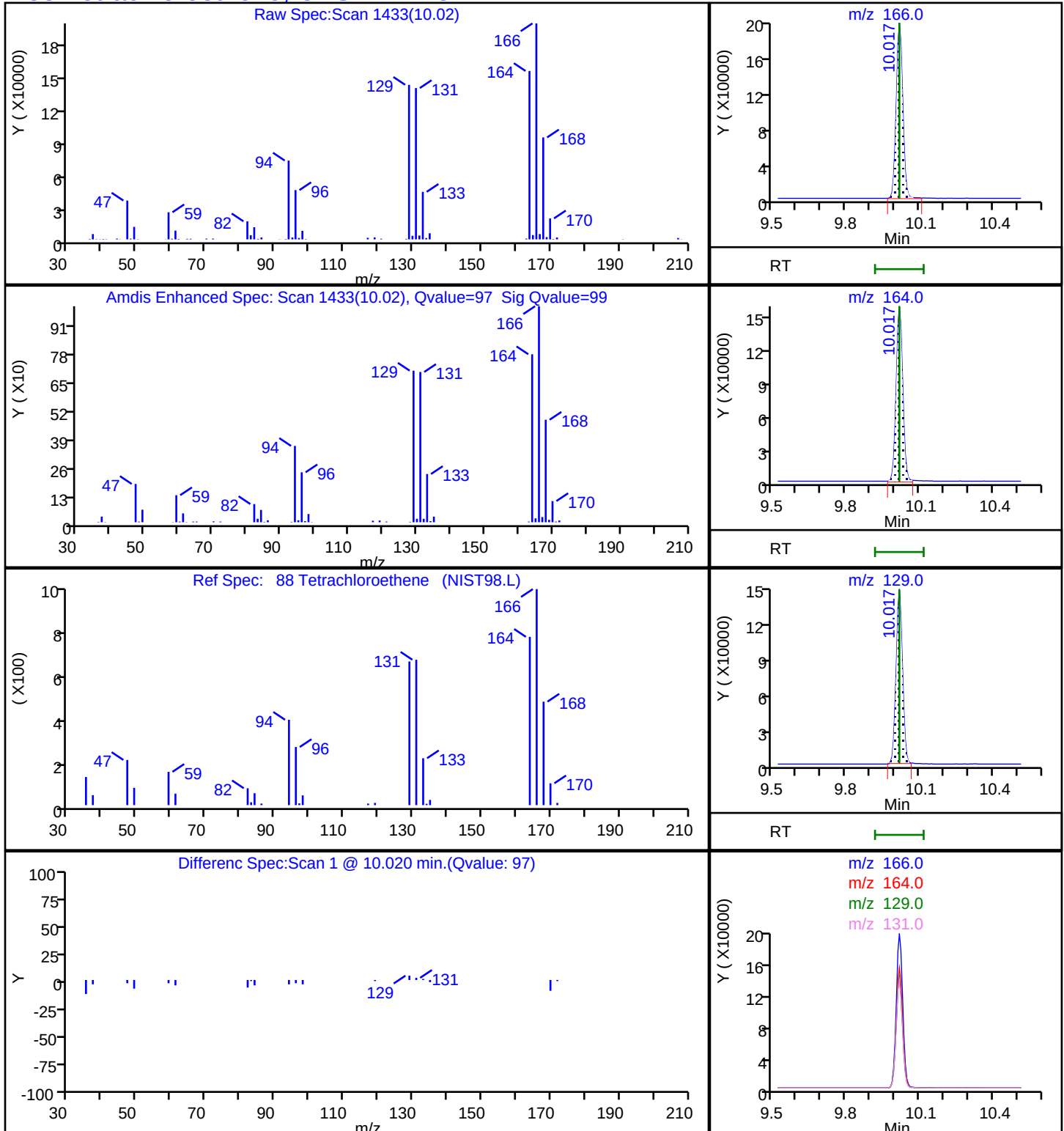
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

88 Tetrachloroethene, CAS: 127-18-4

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X12.D

Injection Date: 08-Jul-2024 15:24:30

Instrument ID: 10193

Lims ID: 410-177855-A-6

Lab Sample ID: 410-177855-6

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

Operator ID: knk41612

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 25.000 mL

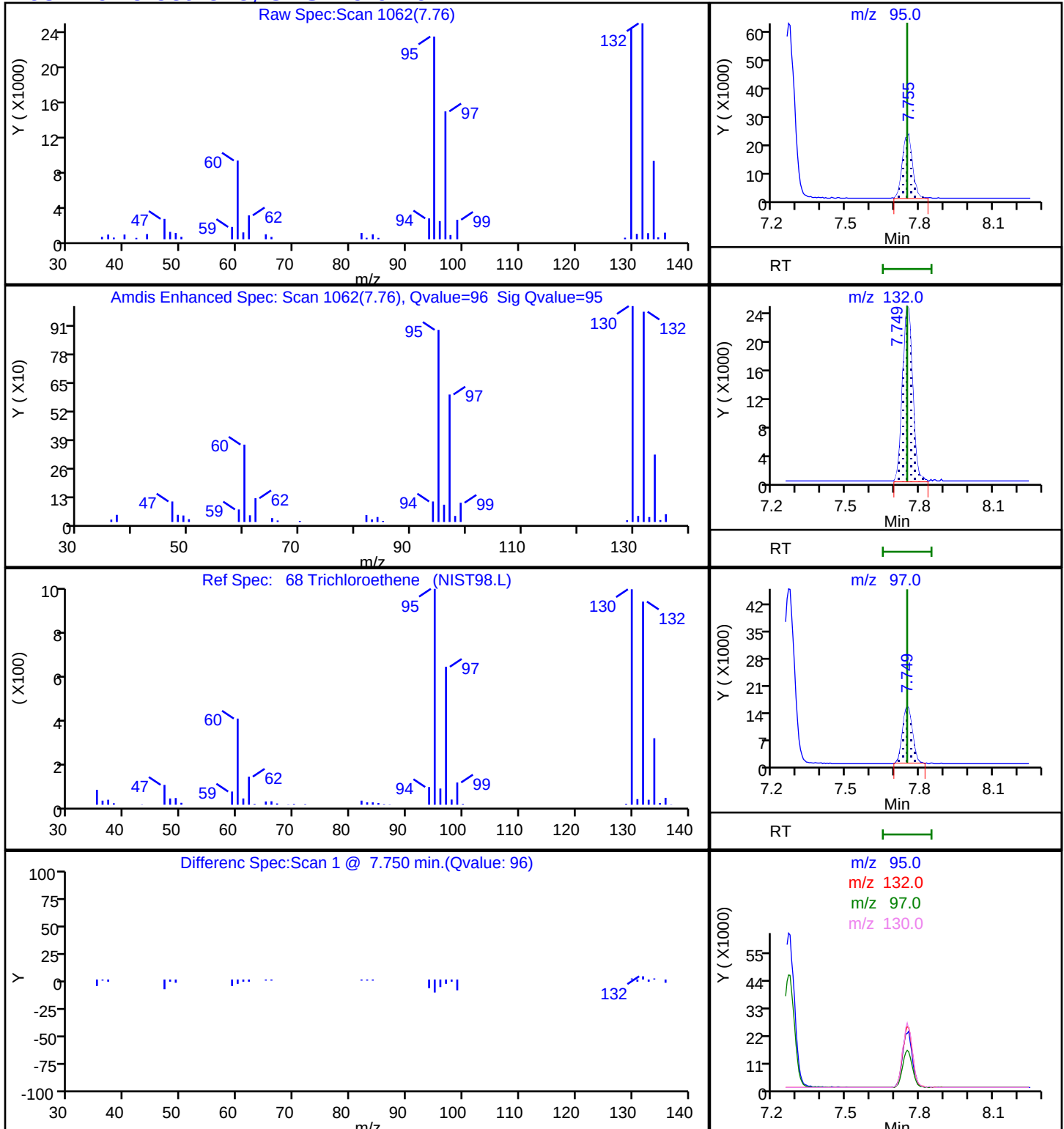
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

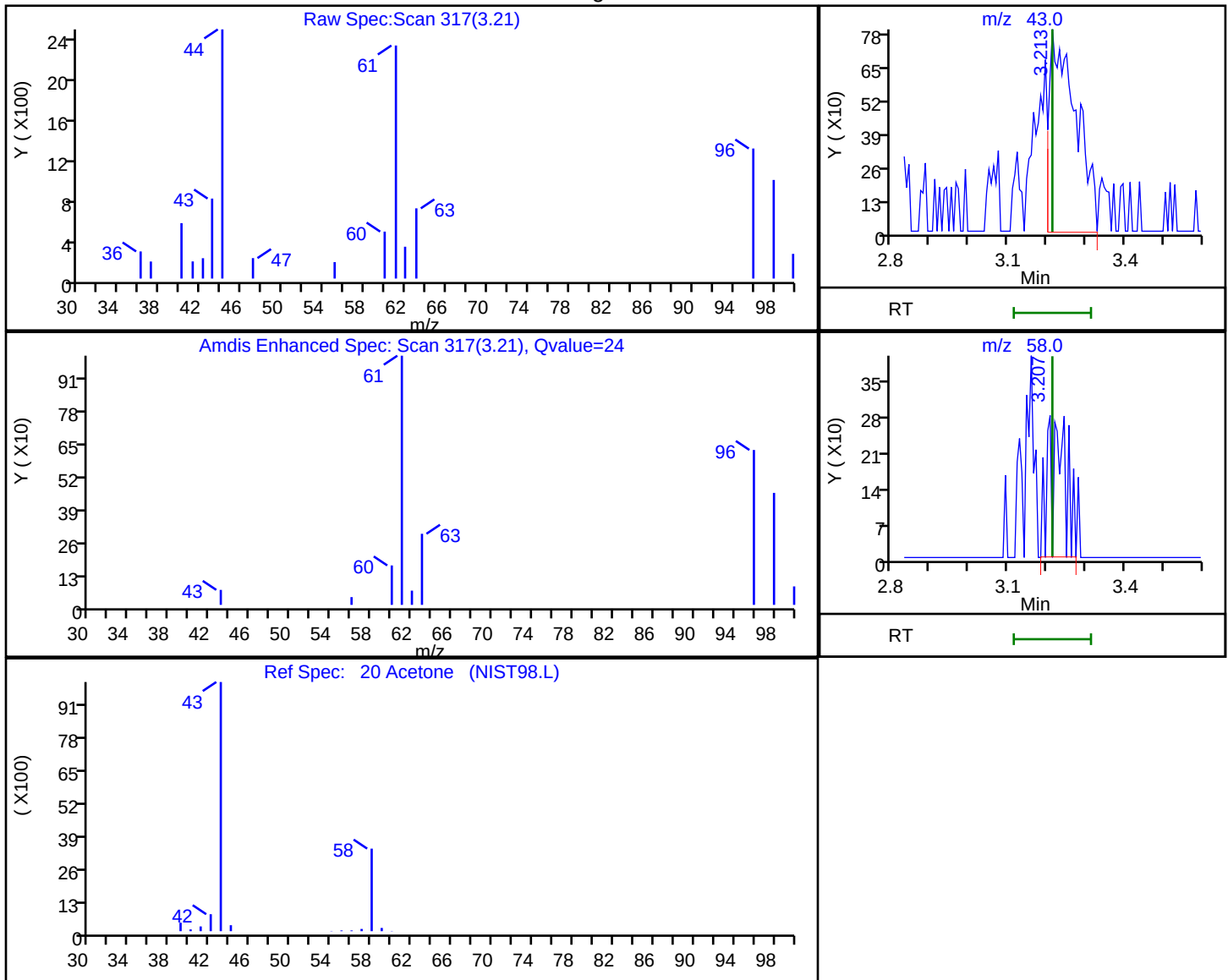
68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X12.D
Injection Date: 08-Jul-2024 15:24:30 Instrument ID: 10193
Lims ID: 410-177855-A-6 Lab Sample ID: 410-177855-6
Client ID: HD-COD-SW-15-0/1-0
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) MS Quad

20 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.21	43.00	3768	0.559867
3.21	58.00	850	

Reviewer: FQ4L, 09-Jul-2024 11:37:35 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-7

Matrix: Water

Lab File ID: CL08X15.D

Analysis Method: 8260D

Date Collected: 06/26/2024 08:08

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 16:32

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.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

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	0.15	J	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	2.1	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.20	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	2.2		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-16-0/1-0 Lab Sample ID: 410-177855-7

Matrix: Water Lab File ID: CL08X15.D

Analysis Method: 8260D Date Collected: 06/26/2024 08:08

Sample wt/vol: 25 (mL) Date Analyzed: 07/08/2024 16:32

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.: 525536 Units: ug/L

Preparation Batch No.: _____ Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		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\10193\20240708-118704.b\CL08X15.D
 Lims ID: 410-177855-A-7
 Client ID: HD-COD-SW-16-0/1-0
 Sample Type: Client
 Inject. Date: 08-Jul-2024 16:32:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-016
 Misc. Info.: 410-177855-A-7
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 11:45:05 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:45:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.988				ND	7
6 Vinyl chloride	62		2.085				ND	7
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.189				ND	7
20 Acetone	43	3.219	3.213	0.006	99	15895	2.12	
25 Carbon disulfide	76		3.457				ND	7
30 Methylene Chloride	84		3.780				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.798	3.798	0.000	96	151156	50.0	
34 Methyl tert-butyl ether	73		4.140				ND	7
35 trans-1,2-Dichloroethene	96		4.146				ND	
37 1,1-Dichloroethane	63	4.792	4.798	-0.006	84	3132	0.0299	
42 2-Butanone (MEK)	43	5.603	5.609	-0.006	36	6408	0.4658	
43 cis-1,2-Dichloroethene	96	5.640	5.646	-0.006	81	13618	0.1988	
48 Chlorobromomethane	128		5.981				ND	
50 Chloroform	83	6.127	6.139	-0.012	93	8889	0.0801	a
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	94	554686	10.3	
53 1,1,1-Trichloroethane	97	6.365	6.365	0.000	39	14040	0.1514	
56 Carbon tetrachloride	117		6.572				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.810	6.816	-0.006	99	113038	10.2	
60 Benzene	78		6.847				ND	7
61 1,2-Dichloroethane	62		6.920				ND	
* 65 Fluorobenzene (IS)	96	7.261	7.267	-0.006	99	2233858	10.0	
68 Trichloroethene	95	7.743	7.749	-0.006	94	14419	0.2102	
70 1,2-Dichloropropane	63		8.090				ND	
76 Dichlorobromomethane	83		8.450				ND	7
80 cis-1,3-Dichloropropene	75		9.023				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.224				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2249918	10.1	
84 Toluene	92	9.432	9.438	-0.006	99	9188	0.0556	
85 trans-1,3-Dichloropropene	75		9.724				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.937				ND	7
88 Tetrachloroethene	166	10.017	10.017	0.000	97	182471	2.22	
106 2-Hexanone	43		10.175				ND	7
108 Chlorodibromomethane	129		10.328				ND	7
110 Ethylene Dibromide	107		10.437				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1740574	10.0	
113 Chlorobenzene	112		10.925				ND	
114 1,1,1,2-Tetrachloroethane	131		11.010				ND	
115 Ethylbenzene	91		11.017				ND	7
116 m-Xylene & p-Xylene	106		11.138				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.480				ND	7
119 Styrene	104		11.498				ND	7
120 Bromoform	173		11.651				ND	7
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	95	796471	9.50	
126 1,1,2,2-Tetrachloroethane	83		12.053				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	93	959293	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 09-Jul-2024 11:45:06

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X15.D

Injection Date: 08-Jul-2024 16:32:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-177855-A-7

Lab Sample ID: 410-177855-7

Worklist Smp#: 16

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

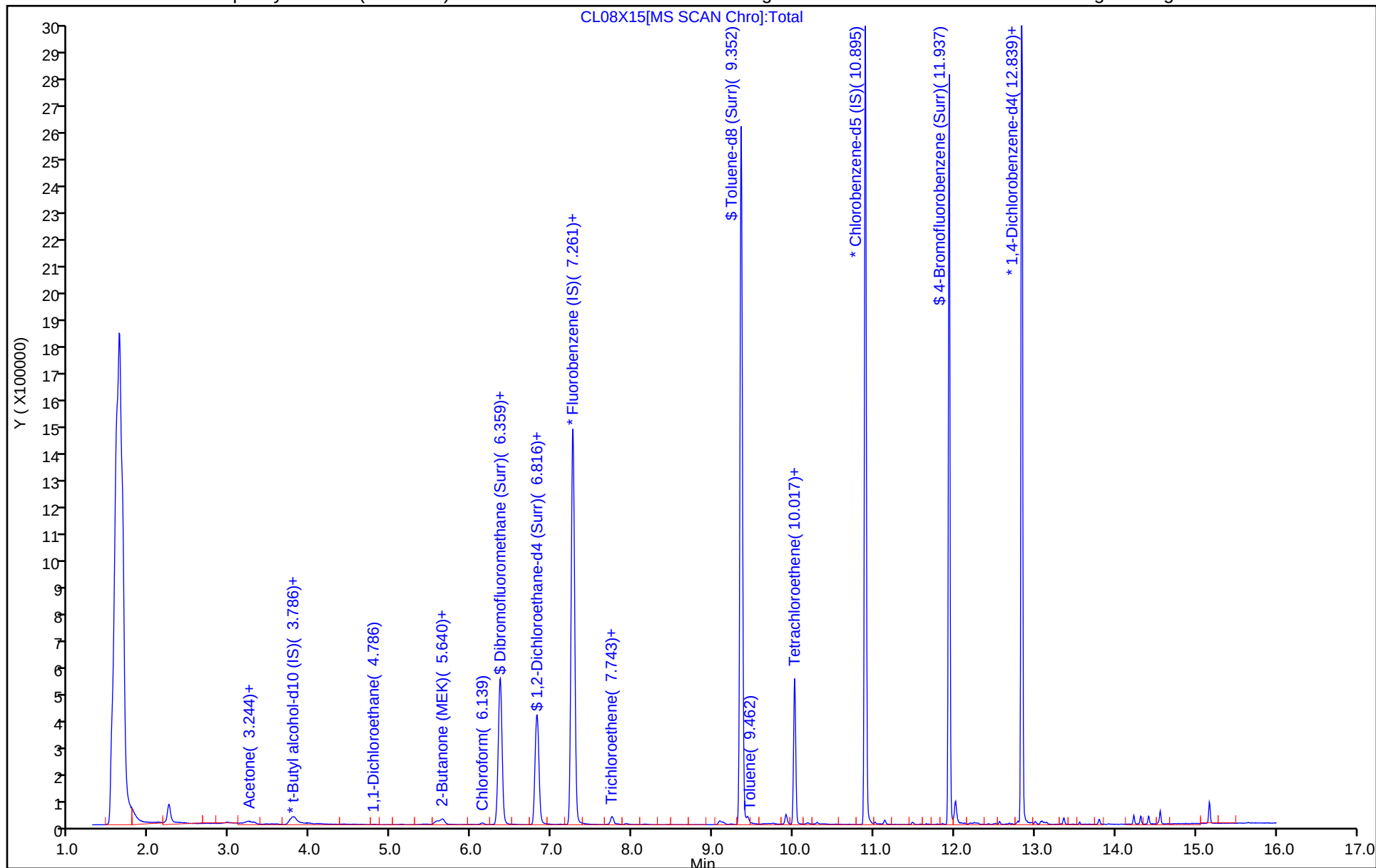
ALS Bottle#: 15

Method: MSV_10193_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\10193\20240708-118704.b\CL08X15.D
Lims ID: 410-177855-A-7
Client ID: HD-COD-SW-16-0/1-0
Sample Type: Client
Inject. Date: 08-Jul-2024 16:32:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-016
Misc. Info.: 410-177855-A-7
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 11:45:05 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:45:05

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.3	102.54
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	102.14
\$ 83 Toluene-d8 (Surr)	10.0	10.1	100.88
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.50	95.00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X15.D

Injection Date: 08-Jul-2024 16:32:30

Instrument ID: 10193

Lims ID: 410-177855-A-7

Lab Sample ID: 410-177855-7

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

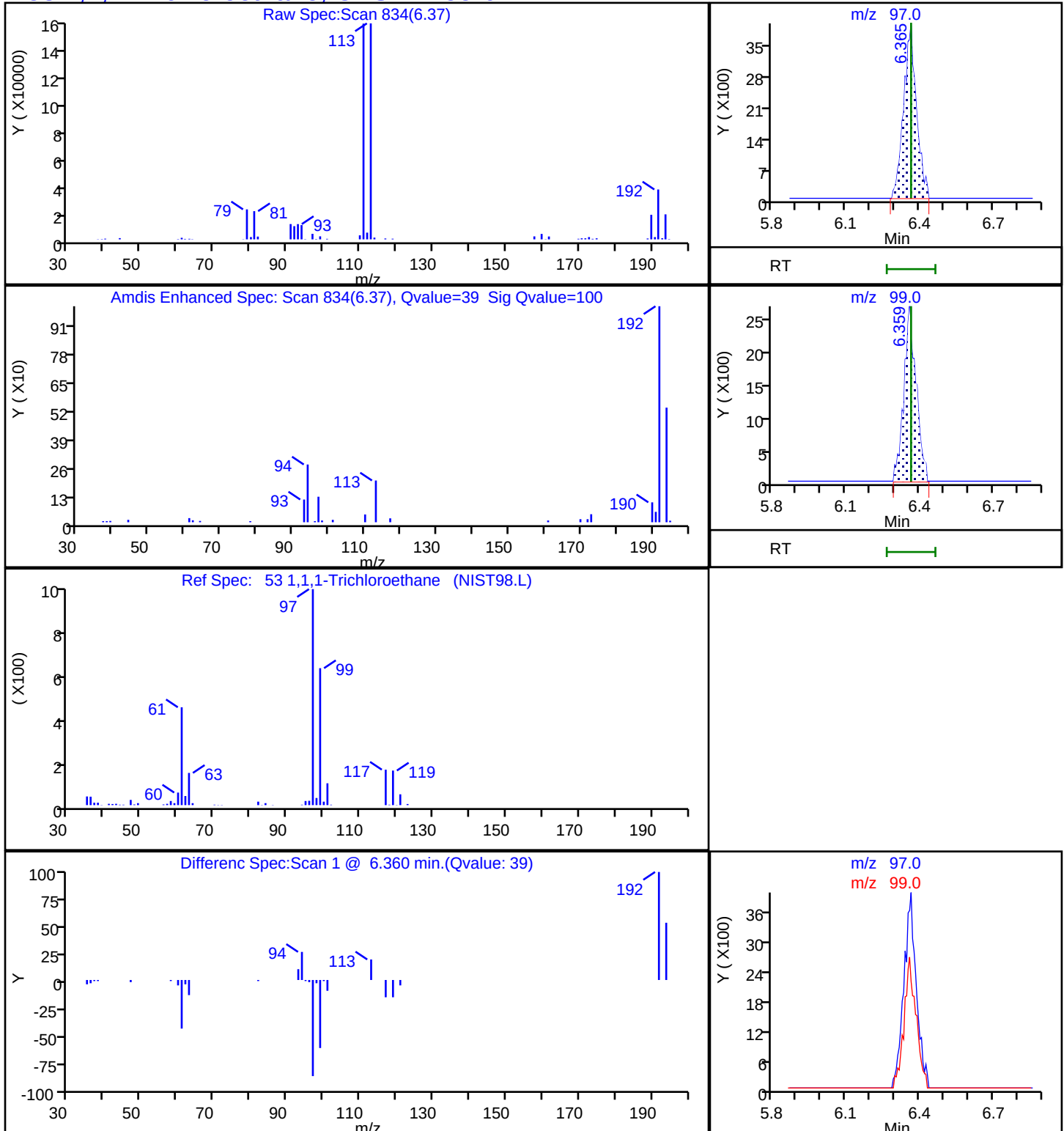
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X15.D

Injection Date: 08-Jul-2024 16:32:30

Instrument ID: 10193

Lims ID: 410-177855-A-7

Lab Sample ID: 410-177855-7

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

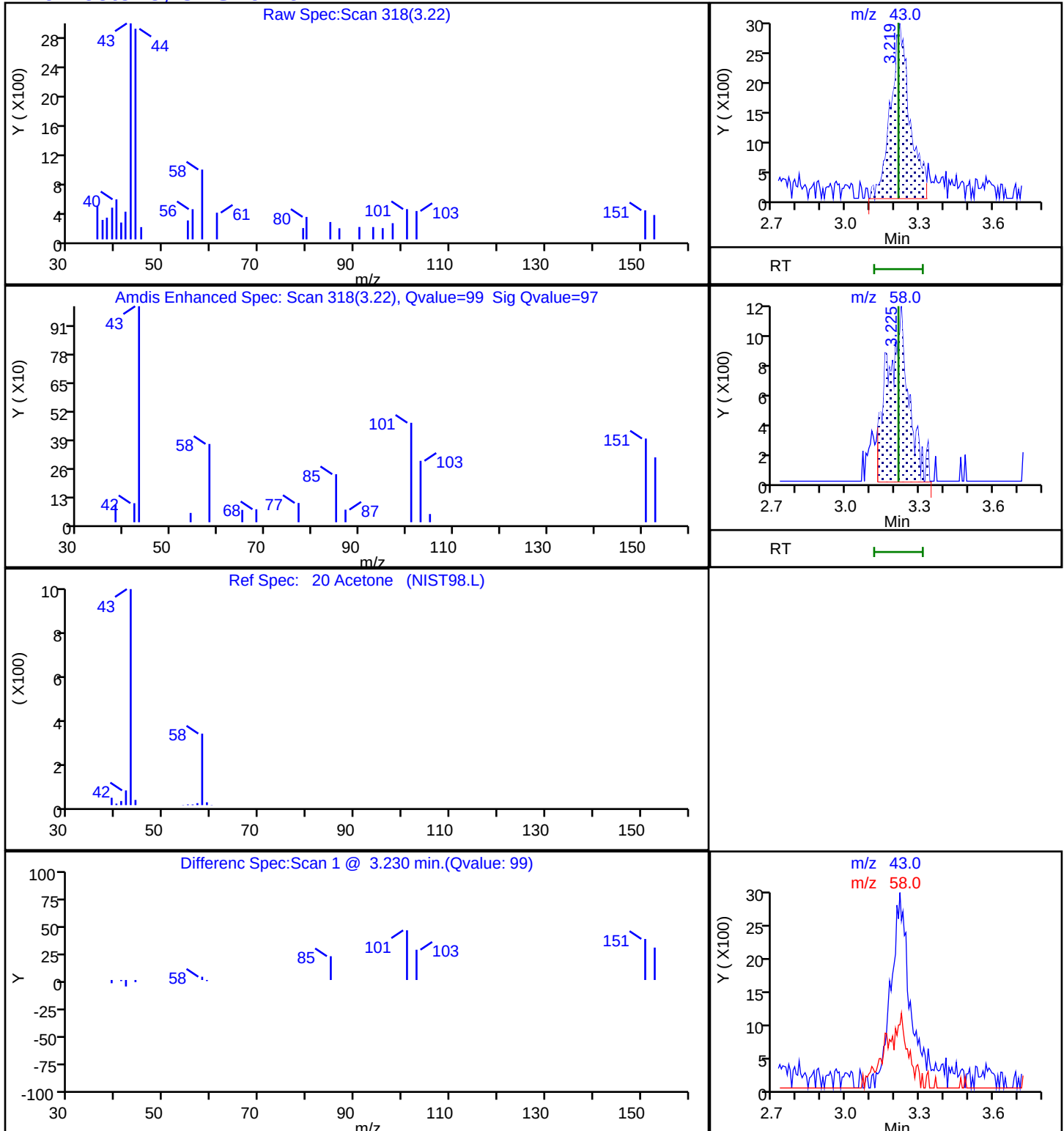
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 150m

MS Quad

20 Acetone, CAS: 67-64-1

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X15.D

Injection Date: 08-Jul-2024 16:32:30

Instrument ID: 10193

Lims ID: 410-177855-A-7

Lab Sample ID: 410-177855-7

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

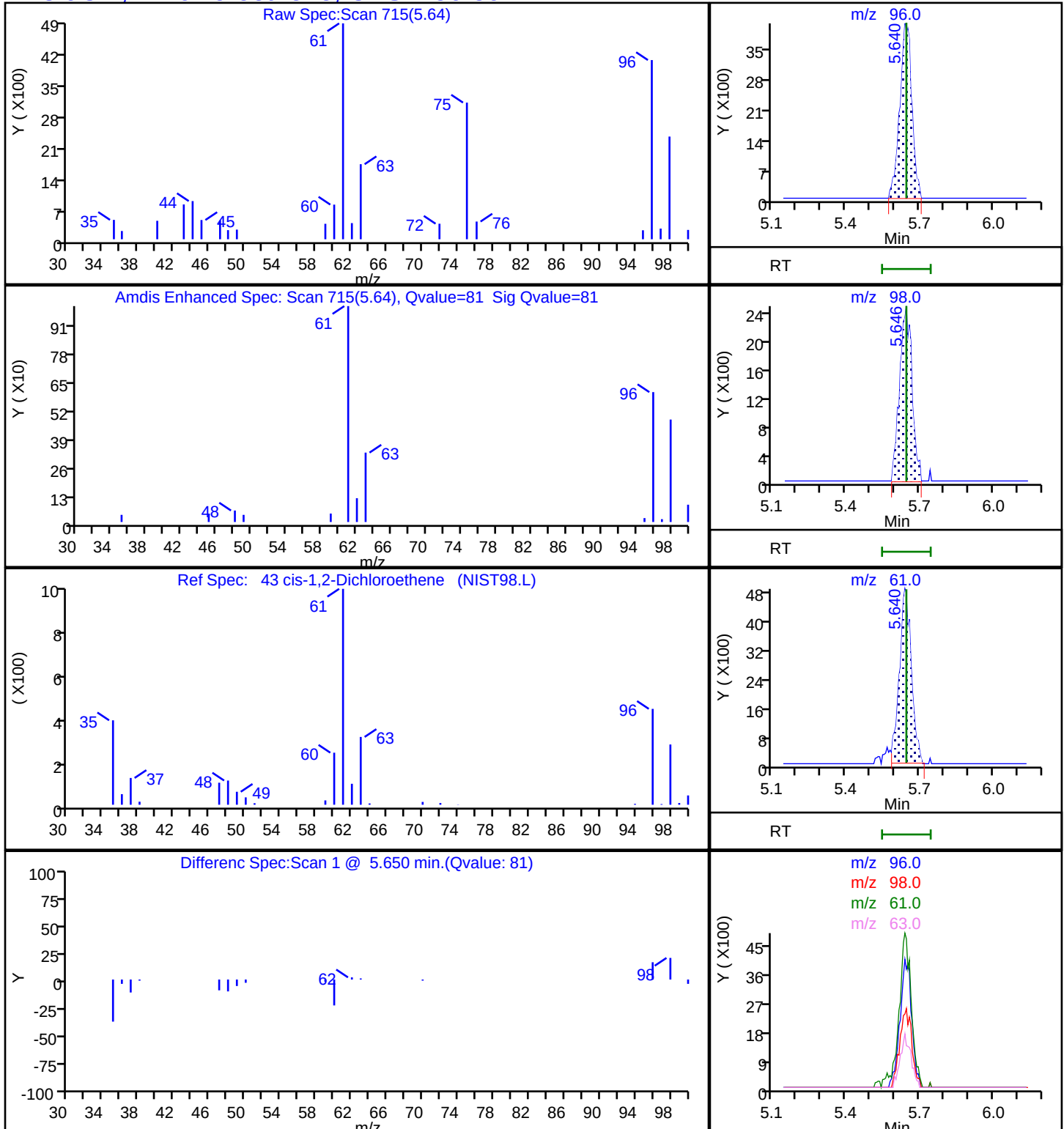
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X15.D

Injection Date: 08-Jul-2024 16:32:30

Instrument ID: 10193

Lims ID: 410-177855-A-7

Lab Sample ID: 410-177855-7

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

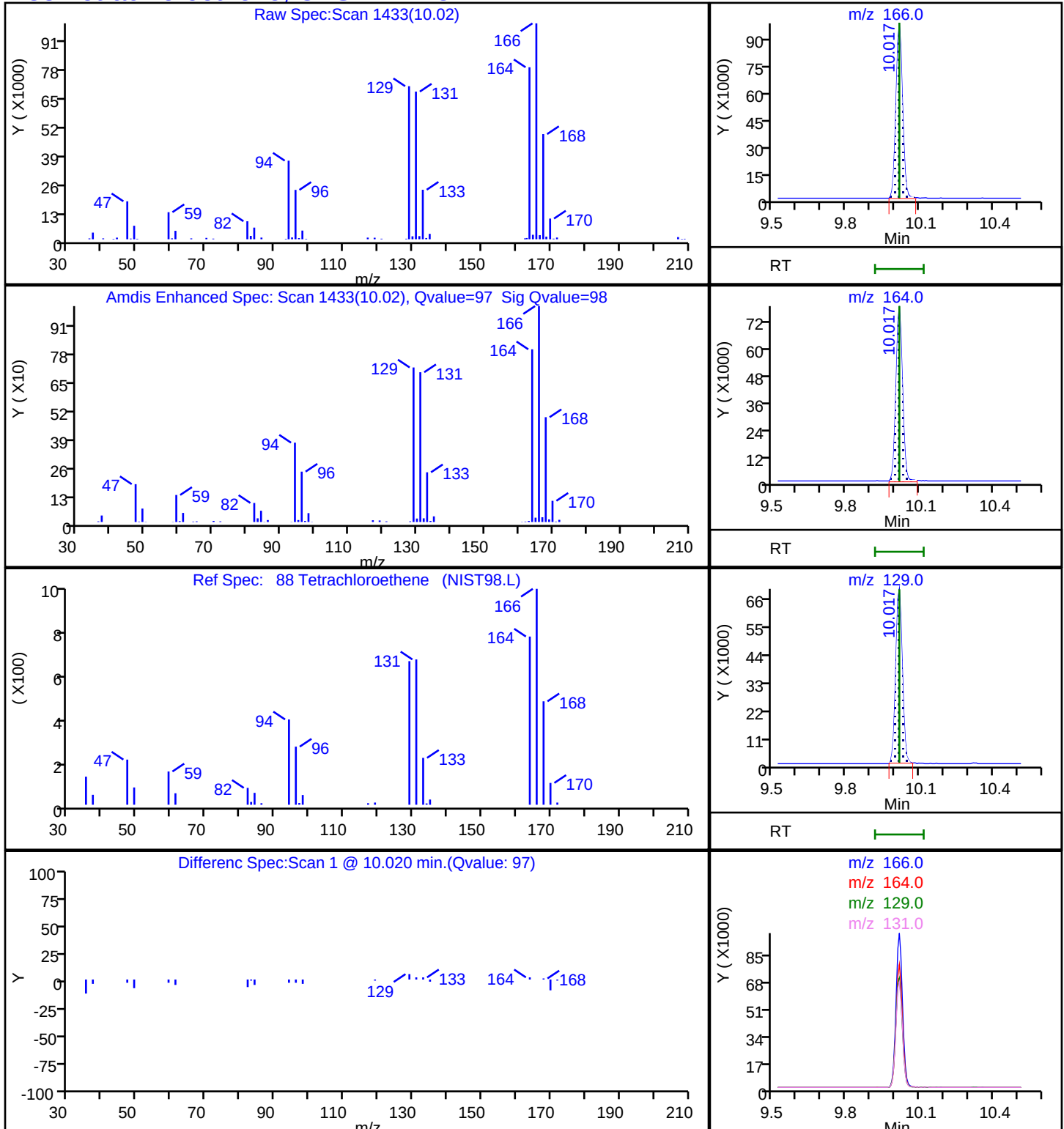
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

88 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X15.D

Injection Date: 08-Jul-2024 16:32:30

Instrument ID: 10193

Lims ID: 410-177855-A-7

Lab Sample ID: 410-177855-7

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

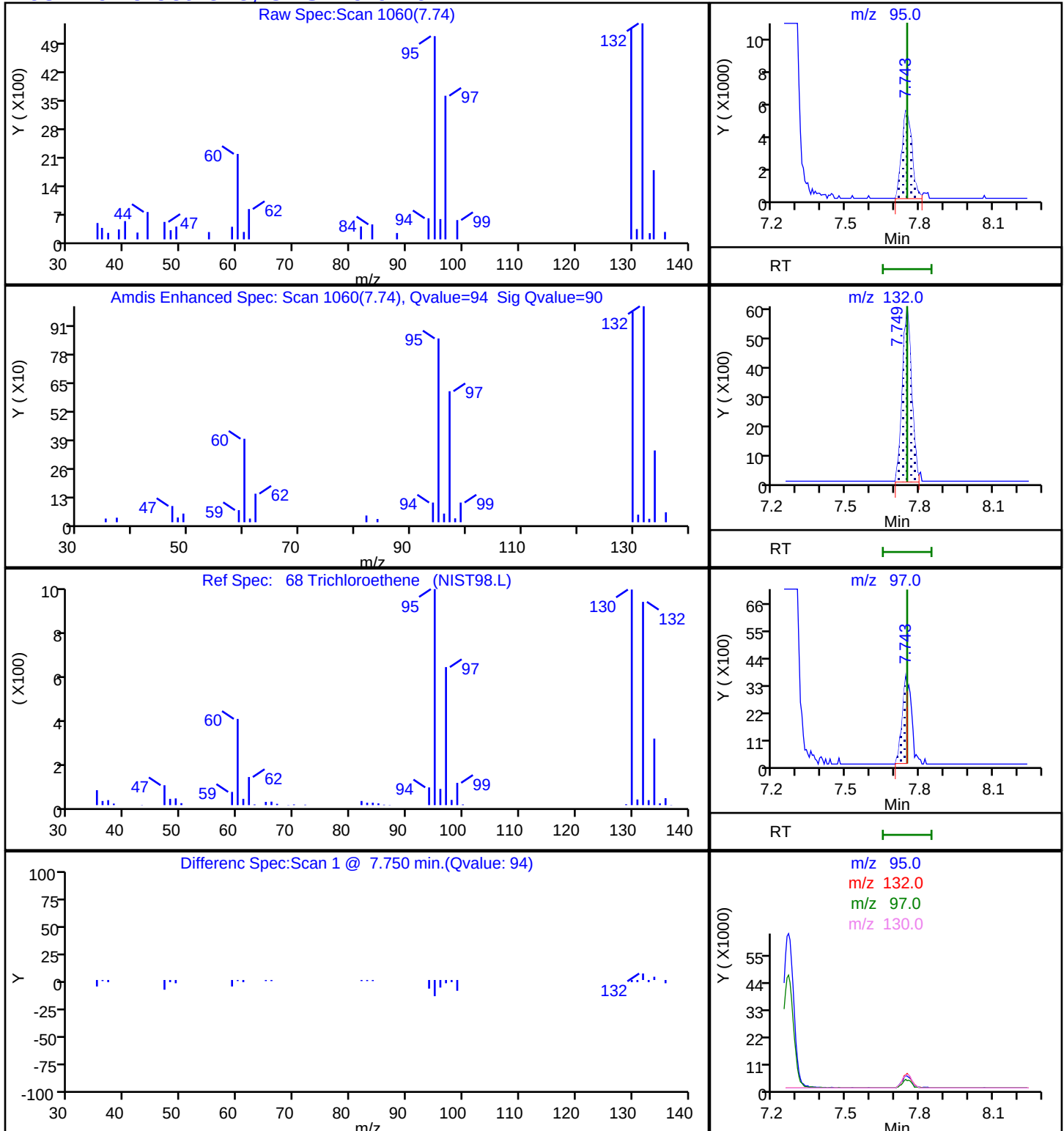
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

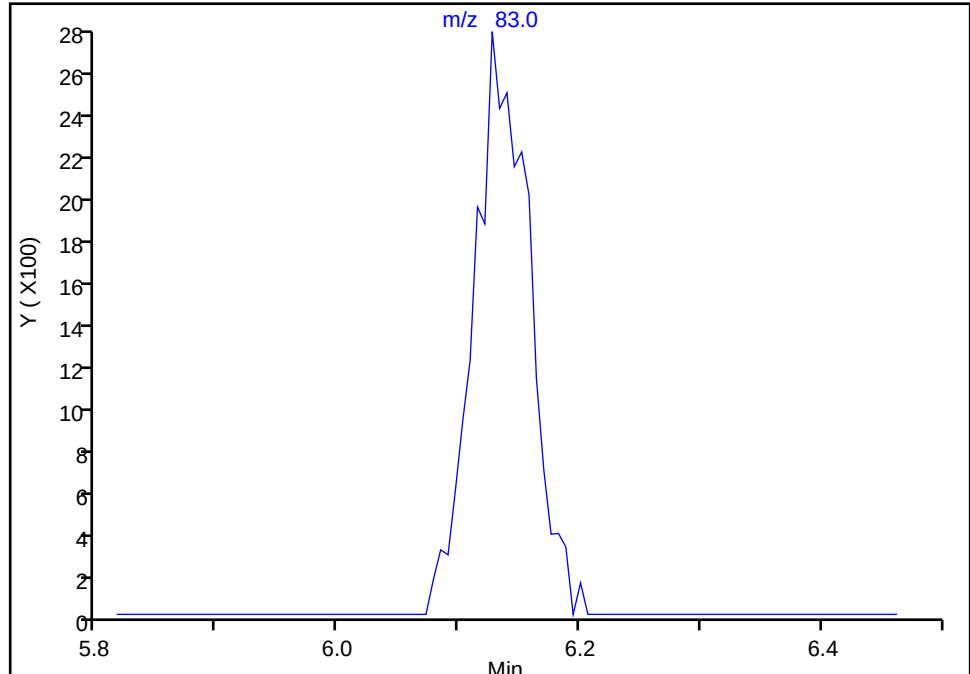
Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X15.D
Injection Date: 08-Jul-2024 16:32:30 Instrument ID: 10193
Lims ID: 410-177855-A-7 Lab Sample ID: 410-177855-7
Client ID: HD-COD-SW-16-0/1-0
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

50 Chloroform, CAS: 67-66-3

Signal: 1

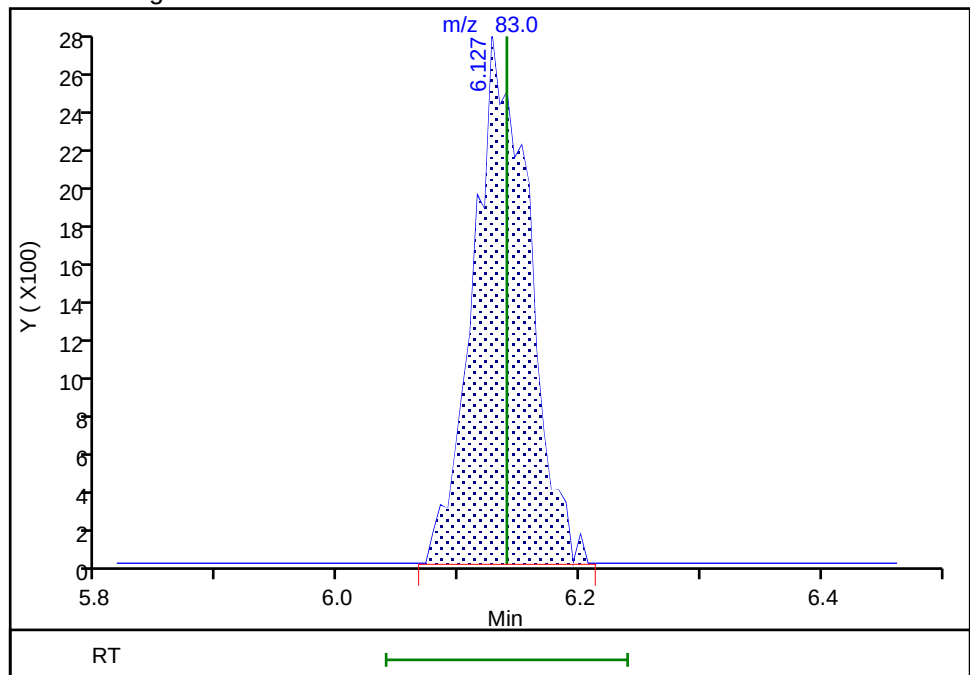
Not Detected
Expected RT: 6.14

Processing Integration Results



RT: 6.13
Area: 8889
Amount: 0.080088
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 09-Jul-2024 11:44:35 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-8

Matrix: Water

Lab File ID: CL08X16.D

Analysis Method: 8260D

Date Collected: 06/26/2024 08:20

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 16:54

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

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	8.9		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	1.6		0.50	0.10
75-35-4	1,1-Dichloroethene	0.64		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.19	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	2.0		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-177855-1
SDG No.:	
Client Sample ID: HD-COD-SW-17-0/1-0	Lab Sample ID: 410-177855-8
Matrix: Water	Lab File ID: CL08X16.D
Analysis Method: 8260D	Date Collected: 06/26/2024 08:20
Sample wt/vol: 25 (mL)	Date Analyzed: 07/08/2024 16:54
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: R-624SilMS 30m ID: 0.25 (mm)
Purge Volume: 25.0 (mL)	Heated Purge: (Y/N) N pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 525536	Units: ug/L
Preparation Batch No.:	Instrument ID: Agilent GC/MS - HP25

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	3.1		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		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\10193\20240708-118704.b\CL08X16.D
 Lims ID: 410-177855-A-8
 Client ID: HD-COD-SW-17-0/1-0
 Sample Type: Client
 Inject. Date: 08-Jul-2024 16:54:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-017
 Misc. Info.: 410-177855-A-8
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 11:47:14 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:47:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.988				ND	
6 Vinyl chloride	62		2.085				ND	7
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96	3.207	3.189	0.018	97	32388	0.6438	
20 Acetone	43		3.213				ND	7
25 Carbon disulfide	76		3.457				ND	7
30 Methylene Chloride	84		3.780				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.786	3.798	-0.012	96	130263	50.0	
34 Methyl tert-butyl ether	73		4.140				ND	7
35 trans-1,2-Dichloroethene	96	4.140	4.146	-0.006	90	2237	0.0373	a
37 1,1-Dichloroethane	63	4.805	4.798	0.006	95	162142	1.57	
42 2-Butanone (MEK)	43		5.609				ND	7
43 cis-1,2-Dichloroethene	96	5.646	5.646	0.000	77	134367	1.99	
48 Chlorobromomethane	128		5.981				ND	
50 Chloroform	83	6.146	6.139	0.007	94	21212	0.1942	
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	93	543794	10.2	
53 1,1,1-Trichloroethane	97	6.371	6.365	0.006	98	815644	8.94	
56 Carbon tetrachloride	117	6.591	6.572	0.019	24	2936	0.0355	a
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.822	6.816	0.006	99	110117	10.1	
60 Benzene	78		6.847				ND	7
61 1,2-Dichloroethane	62		6.920				ND	7
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2198668	10.0	
68 Trichloroethene	95	7.749	7.749	0.000	96	211994	3.14	
70 1,2-Dichloropropane	63		8.090				ND	
76 Dichlorobromomethane	83		8.450				ND	
80 cis-1,3-Dichloropropene	75		9.023				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.224				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2202187	9.85	
84 Toluene	92		9.438				ND	7
85 trans-1,3-Dichloropropene	75		9.724				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.937				ND	U
88 Tetrachloroethene	166	10.017	10.017	0.000	96	11566639	140.5	E
106 2-Hexanone	43		10.175				ND	7
108 Chlorodibromomethane	129		10.328				ND	
110 Ethylene Dibromide	107		10.437				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1745139	10.0	
113 Chlorobenzene	112	10.925	10.925	0.000	79	3305	0.0167	a
114 1,1,1,2-Tetrachloroethane	131		11.010				ND	7
115 Ethylbenzene	91		11.017				ND	7
116 m-Xylene & p-Xylene	106		11.138				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.480				ND	7
119 Styrene	104		11.498				ND	7
120 Bromoform	173		11.651				ND	7
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	95	786571	9.36	
126 1,1,2,2-Tetrachloroethane	83		12.053				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.840	12.839	0.001	93	959461	10.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 09-Jul-2024 11:47:14

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X16.D

Injection Date: 08-Jul-2024 16:54:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-177855-A-8

Lab Sample ID: 410-177855-8

Worklist Smp#: 17

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

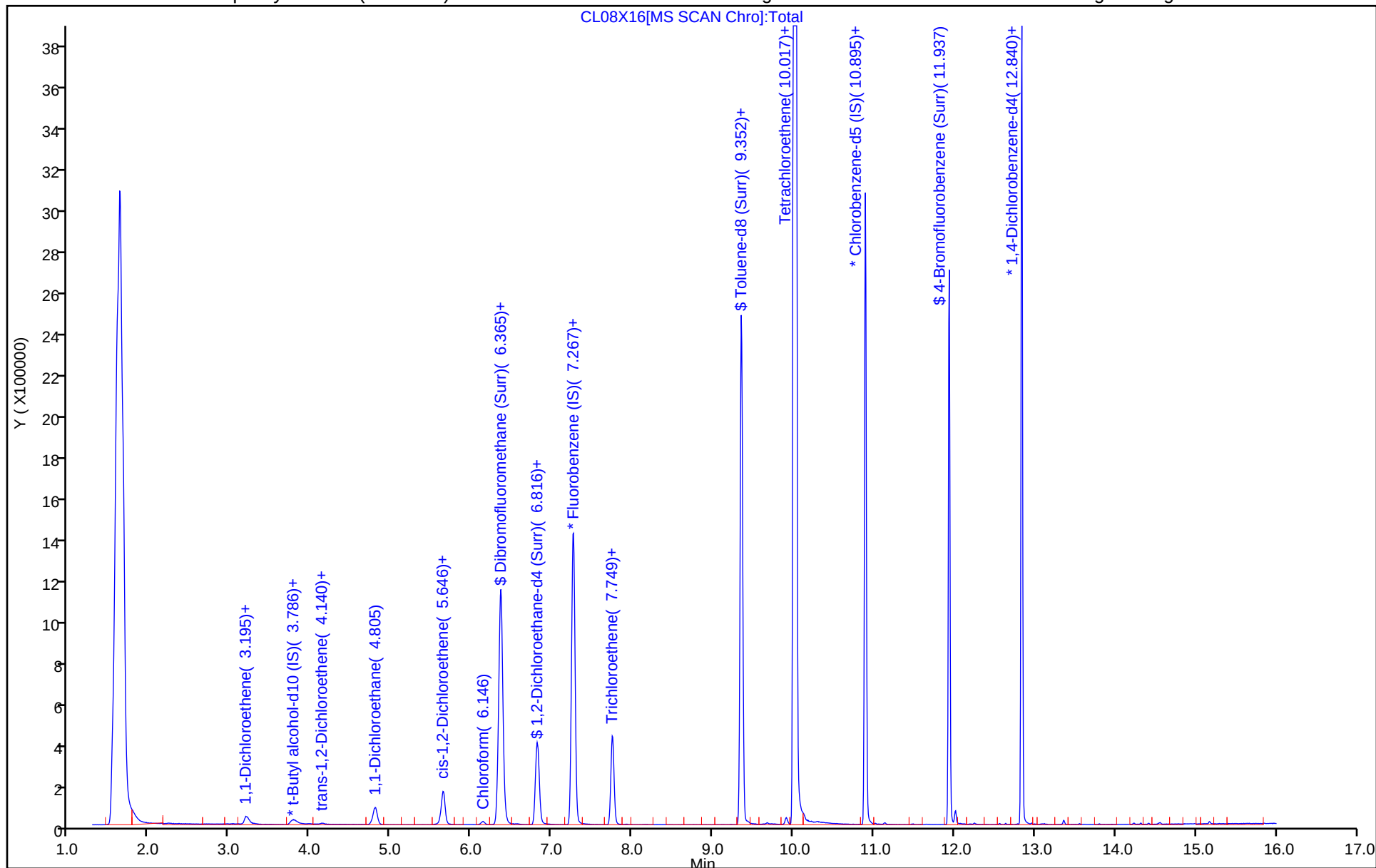
ALS Bottle#: 16

Method: MSV_10193_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\10193\20240708-118704.b\CL08X16.D
Lims ID: 410-177855-A-8
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 08-Jul-2024 16:54:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-017
Misc. Info.: 410-177855-A-8
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 11:47:14 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:47:14

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.2	102.13
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	101.09
\$ 83 Toluene-d8 (Surr)	10.0	9.85	98.49
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.36	93.58

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X16.D

Injection Date: 08-Jul-2024 16:54:30

Instrument ID: 10193

Lims ID: 410-177855-A-8

Lab Sample ID: 410-177855-8

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

Operator ID: knk41612

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

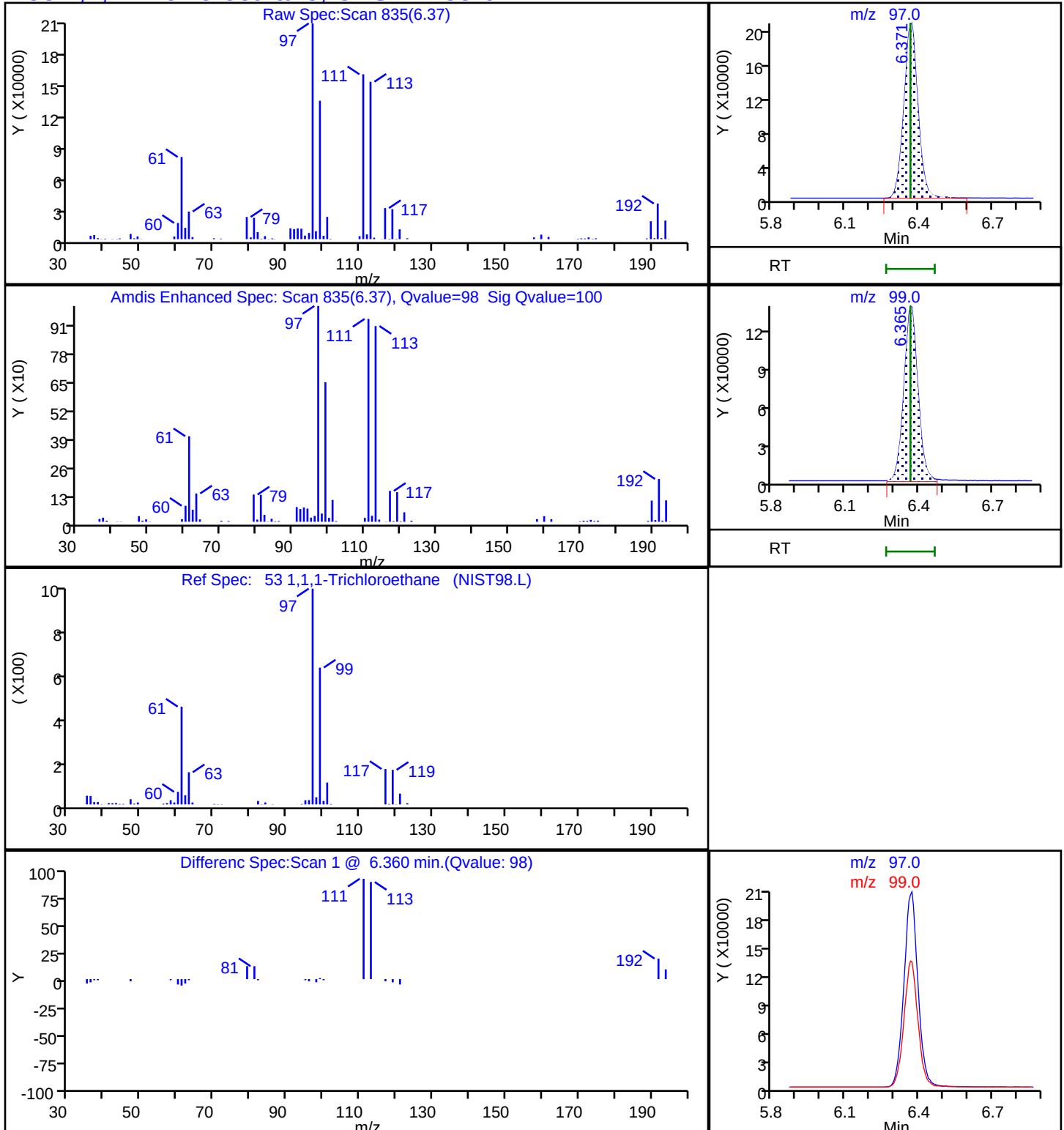
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X16.D

Injection Date: 08-Jul-2024 16:54:30

Instrument ID: 10193

Lims ID: 410-177855-A-8

Lab Sample ID: 410-177855-8

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

Operator ID: knk41612

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

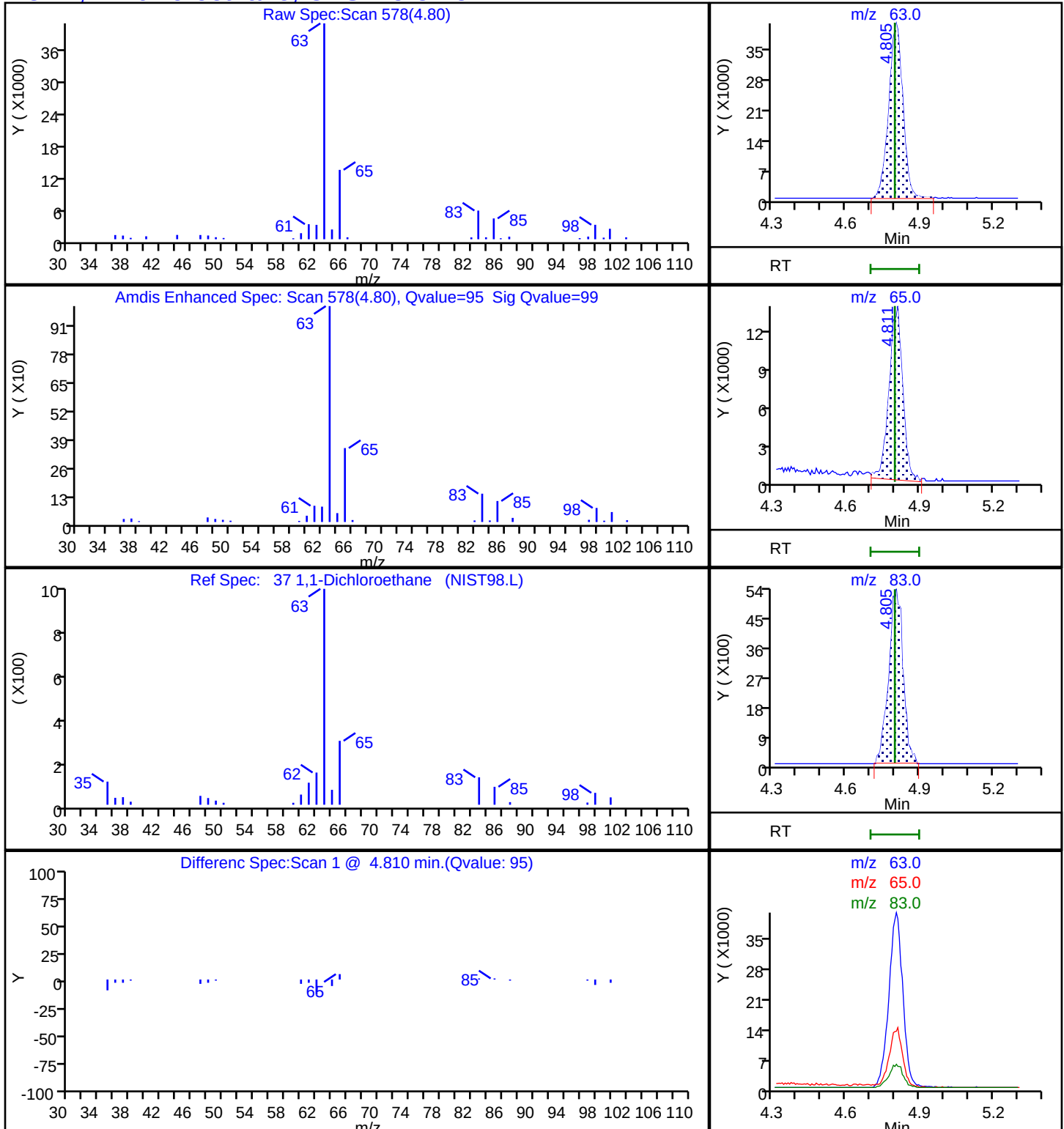
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X16.D

Injection Date: 08-Jul-2024 16:54:30

Instrument ID: 10193

Lims ID: 410-177855-A-8

Lab Sample ID: 410-177855-8

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

Operator ID: knk41612

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

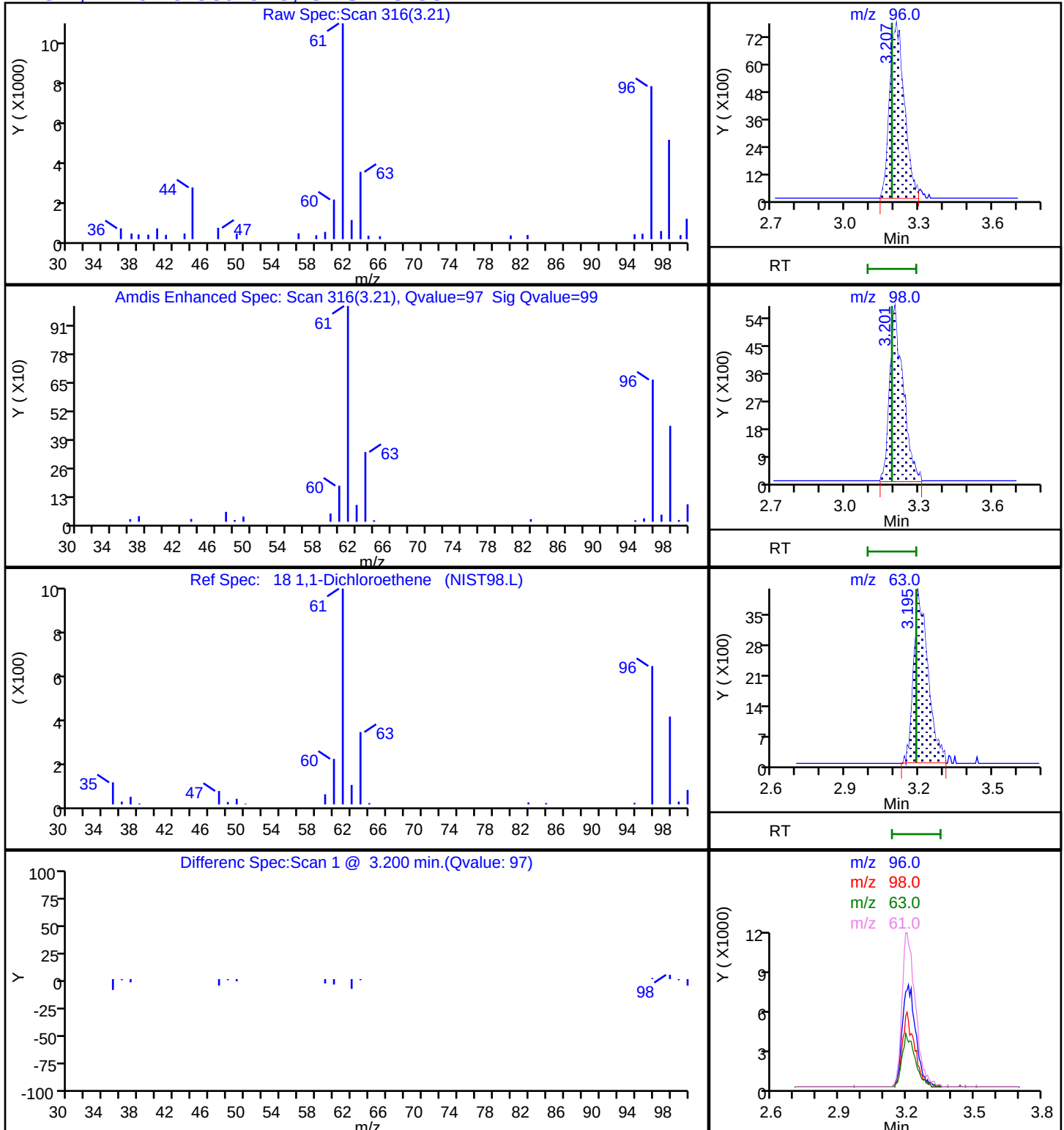
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X16.D

Injection Date: 08-Jul-2024 16:54:30

Instrument ID: 10193

Lims ID: 410-177855-A-8

Lab Sample ID: 410-177855-8

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

Operator ID: knk41612

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

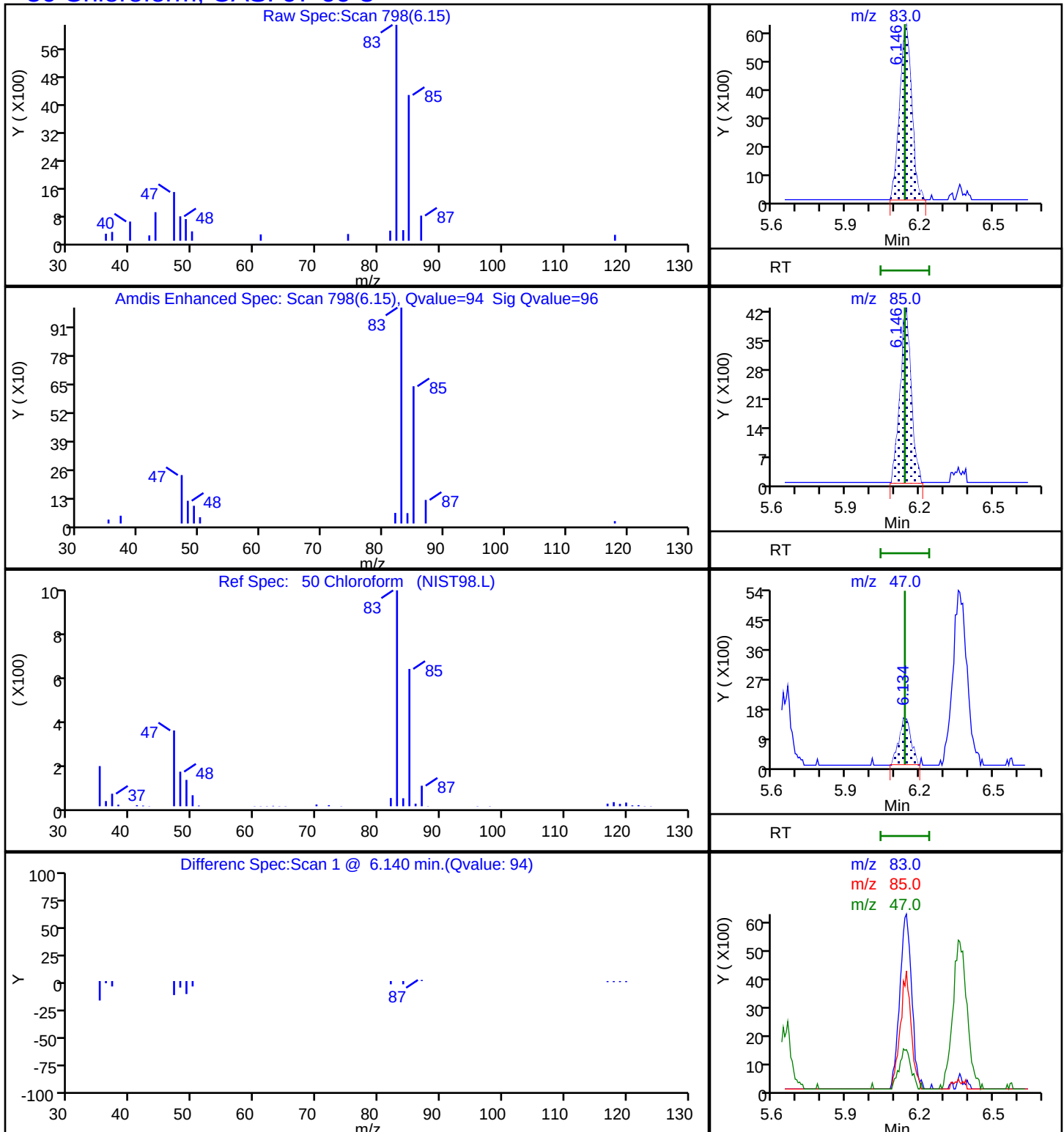
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

50 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X16.D

Injection Date: 08-Jul-2024 16:54:30

Instrument ID: 10193

Lims ID: 410-177855-A-8

Lab Sample ID: 410-177855-8

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

Operator ID: knk41612

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

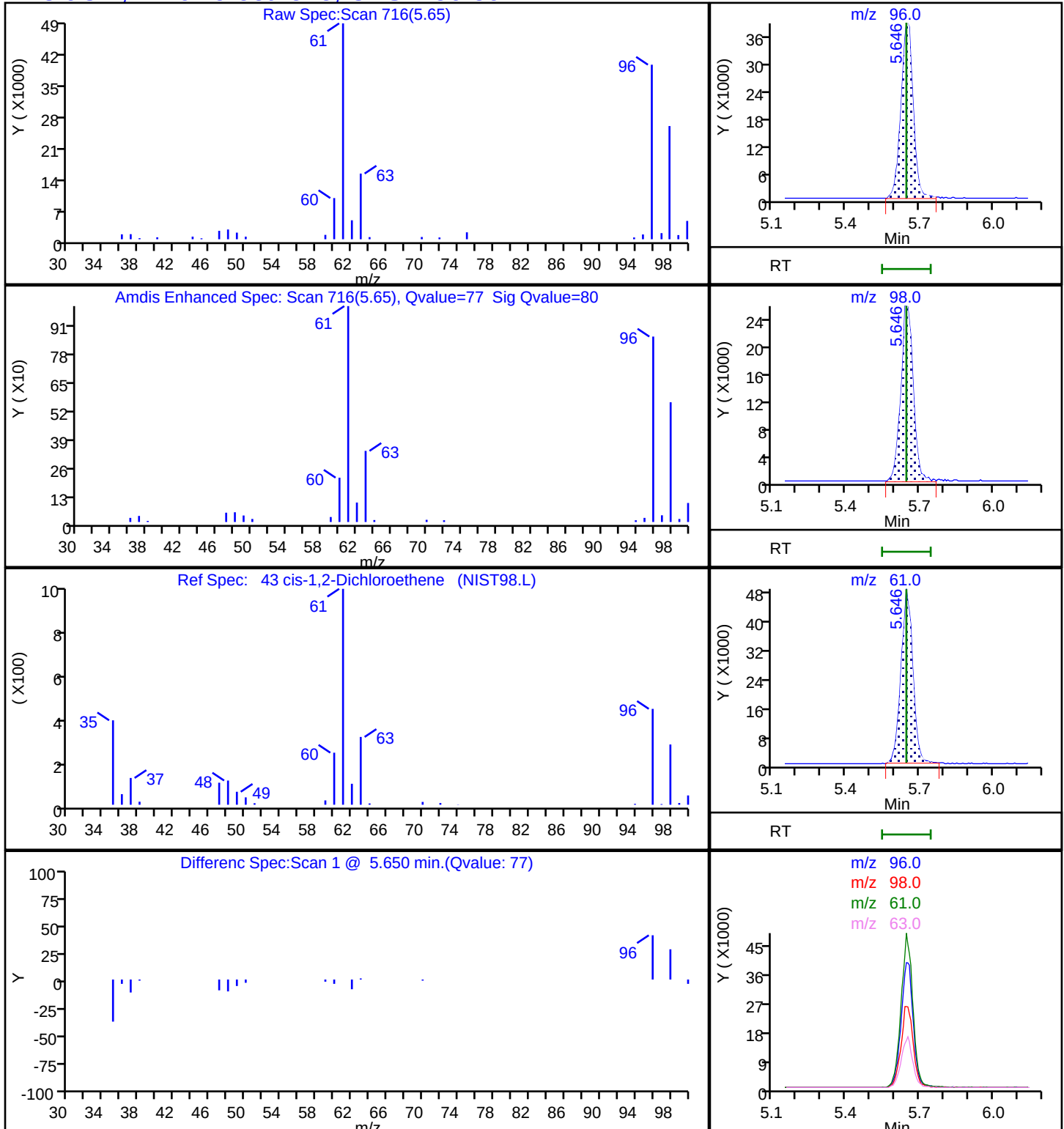
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X16.D

Injection Date: 08-Jul-2024 16:54:30

Instrument ID: 10193

Lims ID: 410-177855-A-8

Lab Sample ID: 410-177855-8

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

Operator ID: knk41612

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

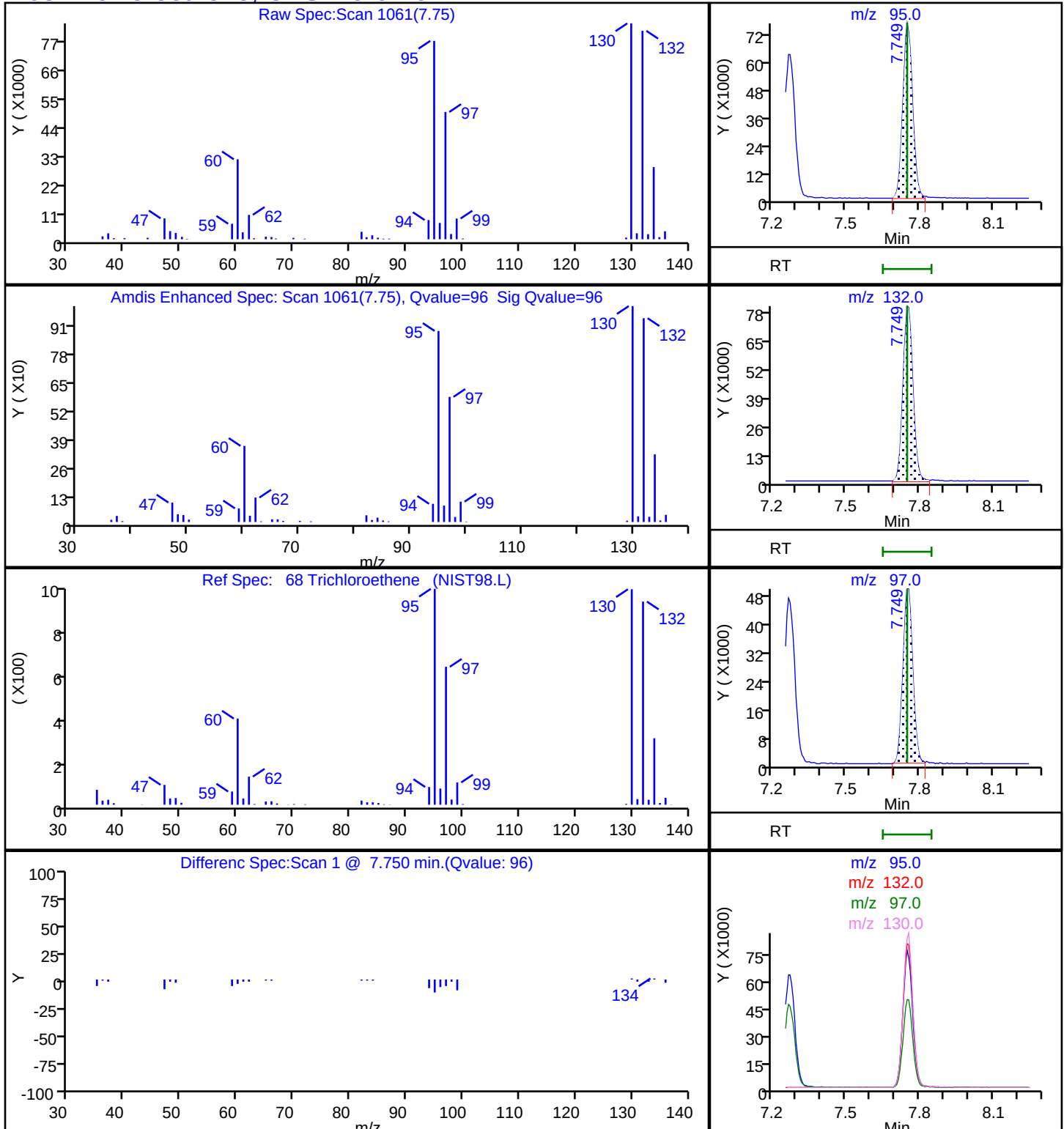
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X16.D

Injection Date: 08-Jul-2024 16:54:30

Instrument ID: 10193

Lims ID: 410-177855-A-8

Lab Sample ID: 410-177855-8

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

Operator ID: knk41612

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

Method: MSV_10193_25mL

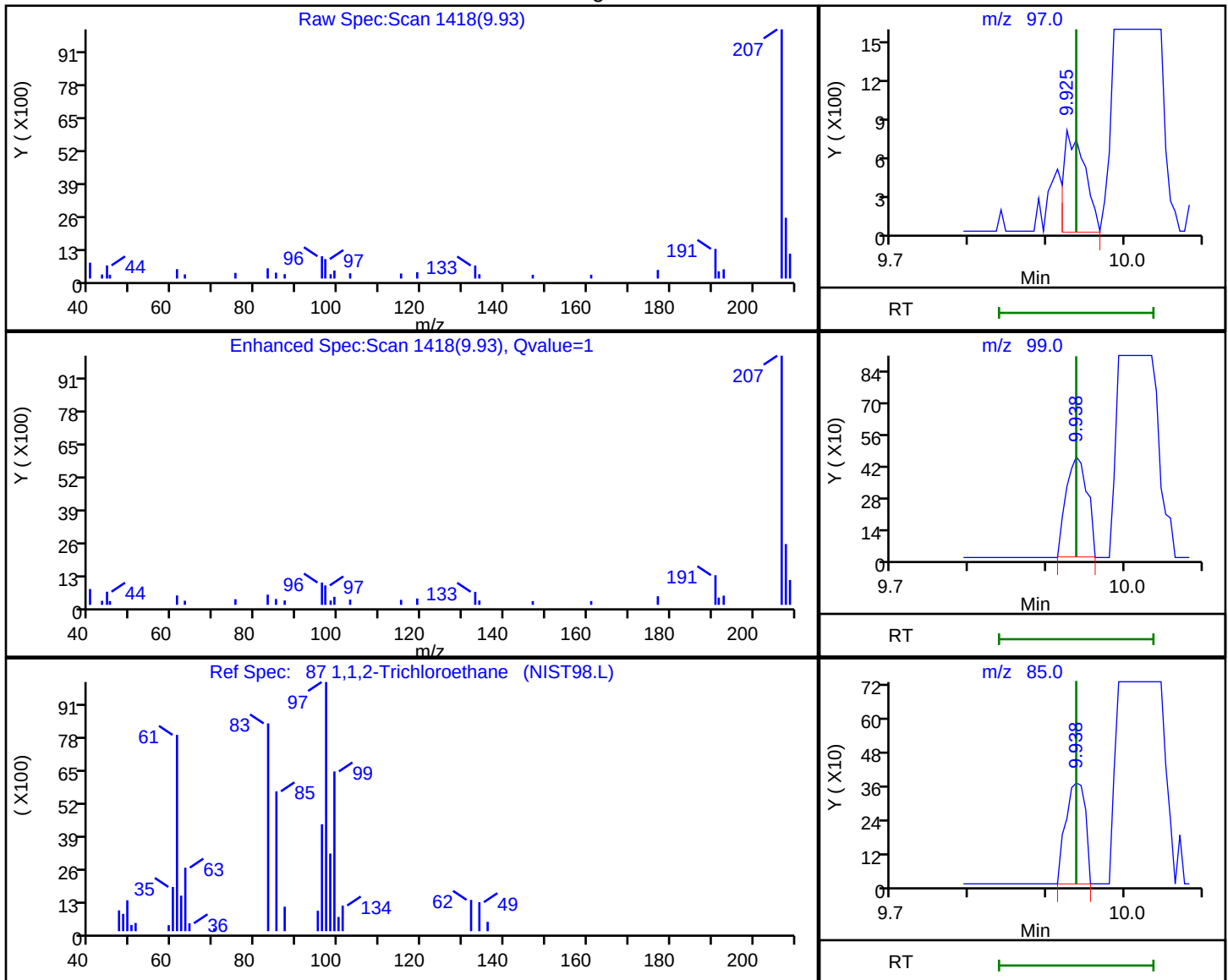
Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

87 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
9.93	97.00	1442	0.030065
9.94	99.00	855	
9.94	85.00	635	
9.93	83.00	1084	

Reviewer: FQ4L, 09-Jul-2024 11:46:53 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

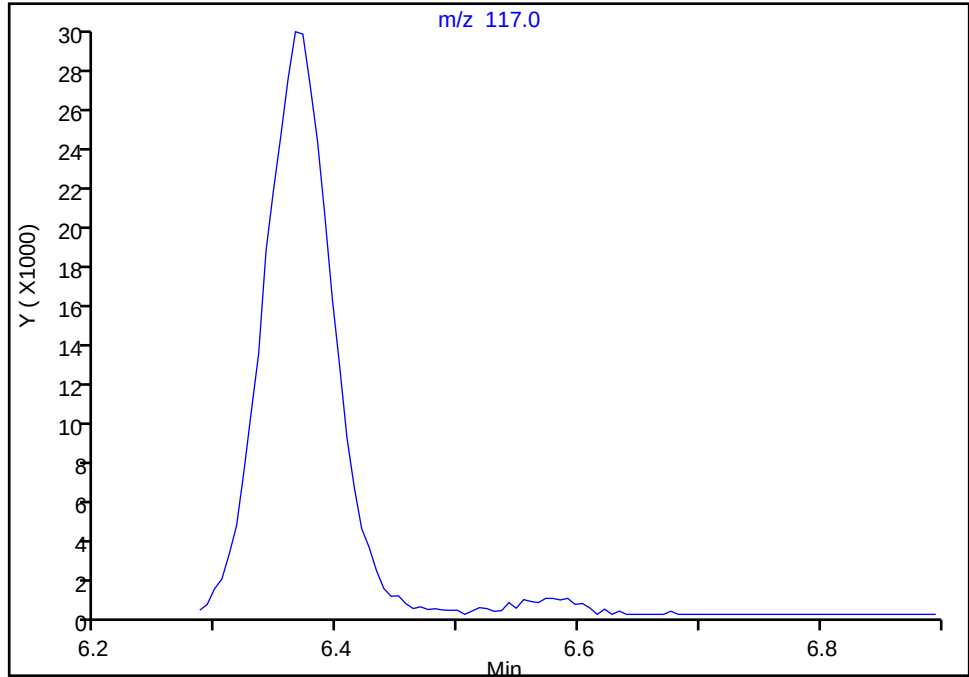
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Injection Date: 08-Jul-2024 16:54:30 Instrument ID: 10193
Lims ID: 410-177855-A-8 Lab Sample ID: 410-177855-8
Client ID: HD-COD-SW-17-0/1-0
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

56 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

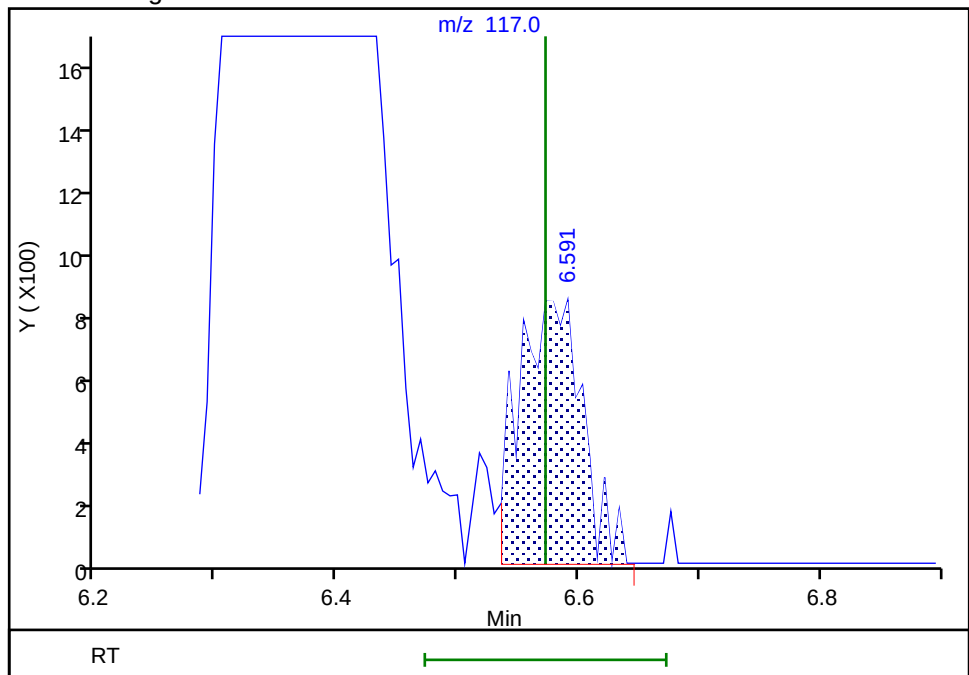
Not Detected
Expected RT: 6.57

Processing Integration Results



RT: 6.59
Area: 2936
Amount: 0.035523
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 09-Jul-2024 11:46:40 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

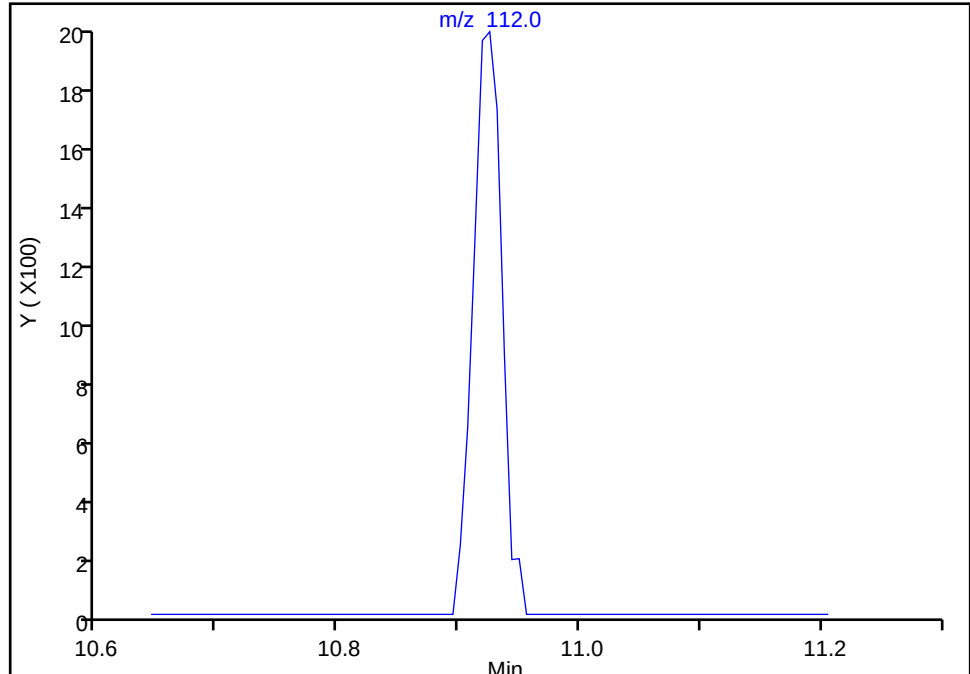
Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X16.D
Injection Date: 08-Jul-2024 16:54:30 Instrument ID: 10193
Lims ID: 410-177855-A-8 Lab Sample ID: 410-177855-8
Client ID: HD-COD-SW-17-0/1-0
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

113 Chlorobenzene, CAS: 108-90-7

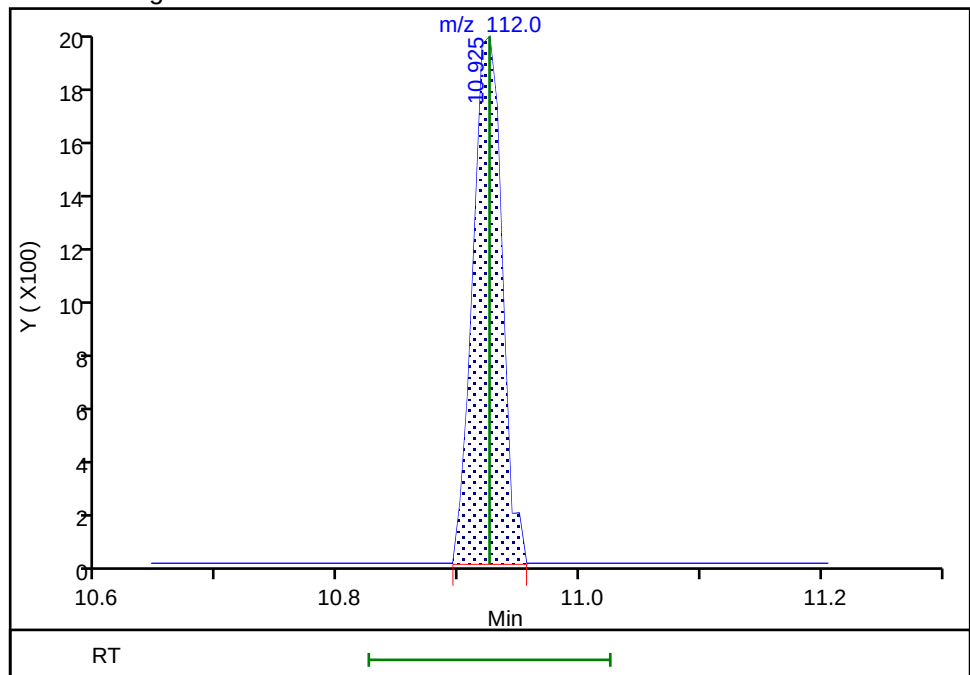
Signal: 1

Not Detected
Expected RT: 10.93

Processing Integration Results



Manual Integration Results



RT: 10.93
Area: 3305
Amount: 0.016681
Amount Units: ug/l

Reviewer: FQ4L, 09-Jul-2024 11:47:04 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

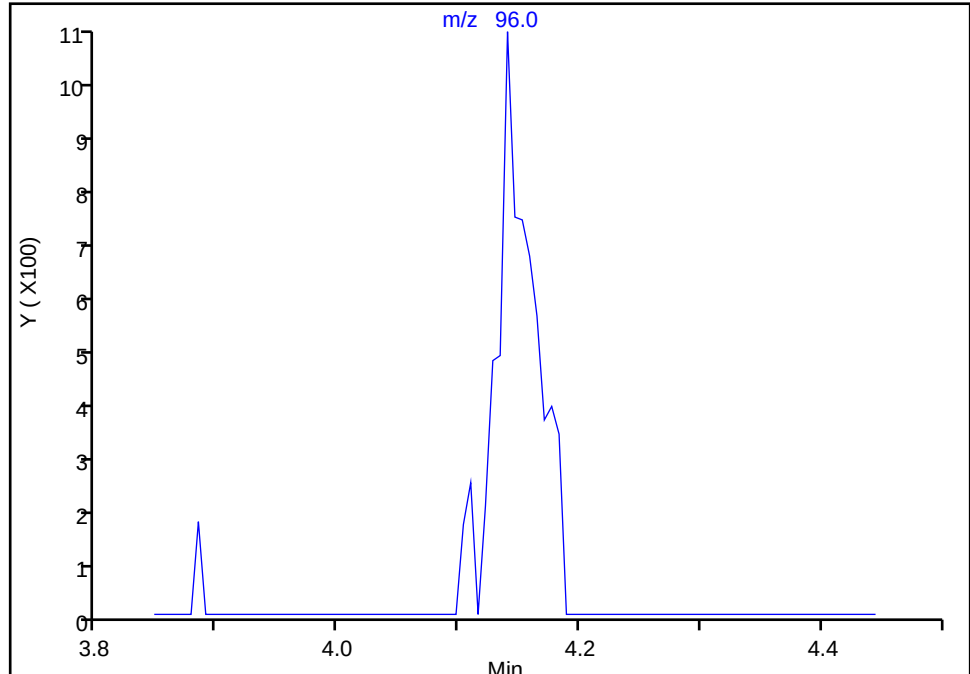
Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X16.D
Injection Date: 08-Jul-2024 16:54:30 Instrument ID: 10193
Lims ID: 410-177855-A-8 Lab Sample ID: 410-177855-8
Client ID: HD-COD-SW-17-0/1-0
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) MS Quad

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

Signal: 1

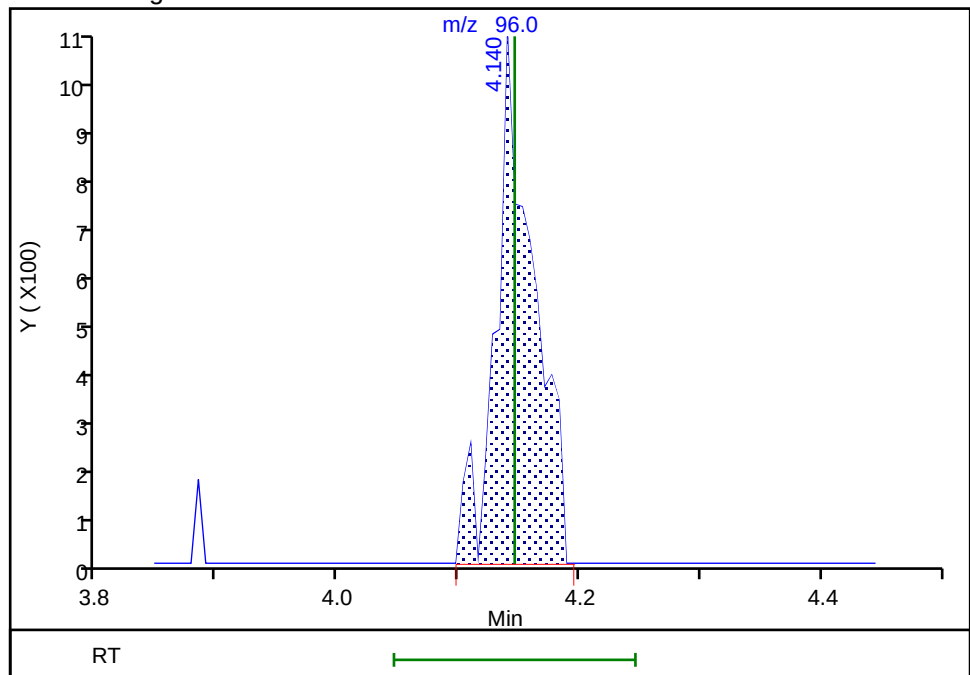
Not Detected
Expected RT: 4.15

Processing Integration Results



RT: 4.14
Area: 2237
Amount: 0.037269
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 09-Jul-2024 11:45:22 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No. :

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

Lab Sample ID: 410-177855-8 DL

Matrix: Water

Lab File ID: GL09X40.D

Analysis Method: 8260D

Date Collected: 06/26/2024 08:20

Sample wt/vol: 25 (mL)

Date Analyzed: 07/10/2024 00:03

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.: 526240

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP29

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	120		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)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X40.D
 Lims ID: 410-177855-B-8 DL
 Client ID: HD-COD-SW-17-0/1-0
 Sample Type: Client
 Inject. Date: 10-Jul-2024 00:03:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 25.000 mL Dil. Factor: 10.0000
 Sample Info: 410-0118882-011
 Operator ID: gaw91131 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Jul-2024 11:57:27 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1646

First Level Reviewer: FQ4L

Date: 10-Jul-2024 11:57:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.050				ND	
6 Vinyl chloride	62		2.154				ND	
9 Bromomethane	94		2.489				ND	
10 Chloroethane	64		2.532				ND	
18 1,1-Dichloroethene	96	3.336	3.318	0.018	66	1771	0.0484	M
19 Acetone	43		3.355				ND	7
24 Carbon disulfide	76		3.599				ND	7
29 Methylene Chloride	84		3.940				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.977	3.964	0.013	22	88375	50.0	
34 trans-1,2-Dichloroethene	96		4.324				ND	
33 Methyl tert-butyl ether	73		4.330				ND	
37 1,1-Dichloroethane	63	5.001	4.989	0.012	94	11611	0.1413	
41 2-Butanone (MEK)	43		5.824				ND	
42 cis-1,2-Dichloroethene	96	5.854	5.836	0.018	82	9000	0.1839	
49 Chlorobromomethane	128		6.165				ND	
51 Chloroform	83	6.330	6.318	0.012	86	2631	0.0318	a
\$ 52 Dibromofluoromethane (Surr)	113	6.537	6.531	0.006	93	417191	10.2	
53 1,1,1-Trichloroethane	97	6.543	6.543	0.000	41	54259	0.8128	
55 Carbon tetrachloride	117		6.757				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.994	6.988	0.006	66	81566	10.4	
60 Benzene	78		7.019				ND	
61 1,2-Dichloroethane	62		7.092				ND	
* 64 Fluorobenzene (IS)	96	7.433	7.427	0.006	98	1773099	10.0	
68 Trichloroethene	95	7.921	7.915	0.006	97	13652	0.2869	
70 1,2-Dichloropropane	63		8.238				ND	
76 Dichlorobromomethane	83		8.592				ND	
81 cis-1,3-Dichloropropene	75		9.152				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.341				ND	
\$ 83 Toluene-d8 (Surr)	98	9.476	9.469	0.007	94	1734635	9.94	
84 Toluene	92		9.549				ND	
85 trans-1,3-Dichloropropene	75		9.823				ND	
107 1,1,2-Trichloroethane	97		10.024				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.116	10.116	0.000	97	578895	11.6	
110 2-Hexanone	43		10.256				ND	
112 Chlorodibromomethane	129		10.408				ND	
113 Ethylene Dibromide	107		10.518				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.957	0.006	87	1269435	10.0	
116 Chlorobenzene	112		10.987				ND	
117 1,1,1,2-Tetrachloroethane	131		11.067				ND	
118 Ethylbenzene	91		11.073				ND	
120 m-Xylene & p-Xylene	106		11.195				ND	
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.524				ND	
122 Styrene	104		11.536				ND	
123 Bromoform	173		11.695				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	88	572880	9.17	
128 1,1,2,2-Tetrachloroethane	83		12.073				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	646100	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 10-Jul-2024 11:57:27

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X40.D

Injection Date: 10-Jul-2024 00:03:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: 410-177855-B-8 DL

Lab Sample ID: 410-177855-8

Worklist Smp#: 11

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

Purge Vol: 25.000 mL

Dil. Factor: 10.0000

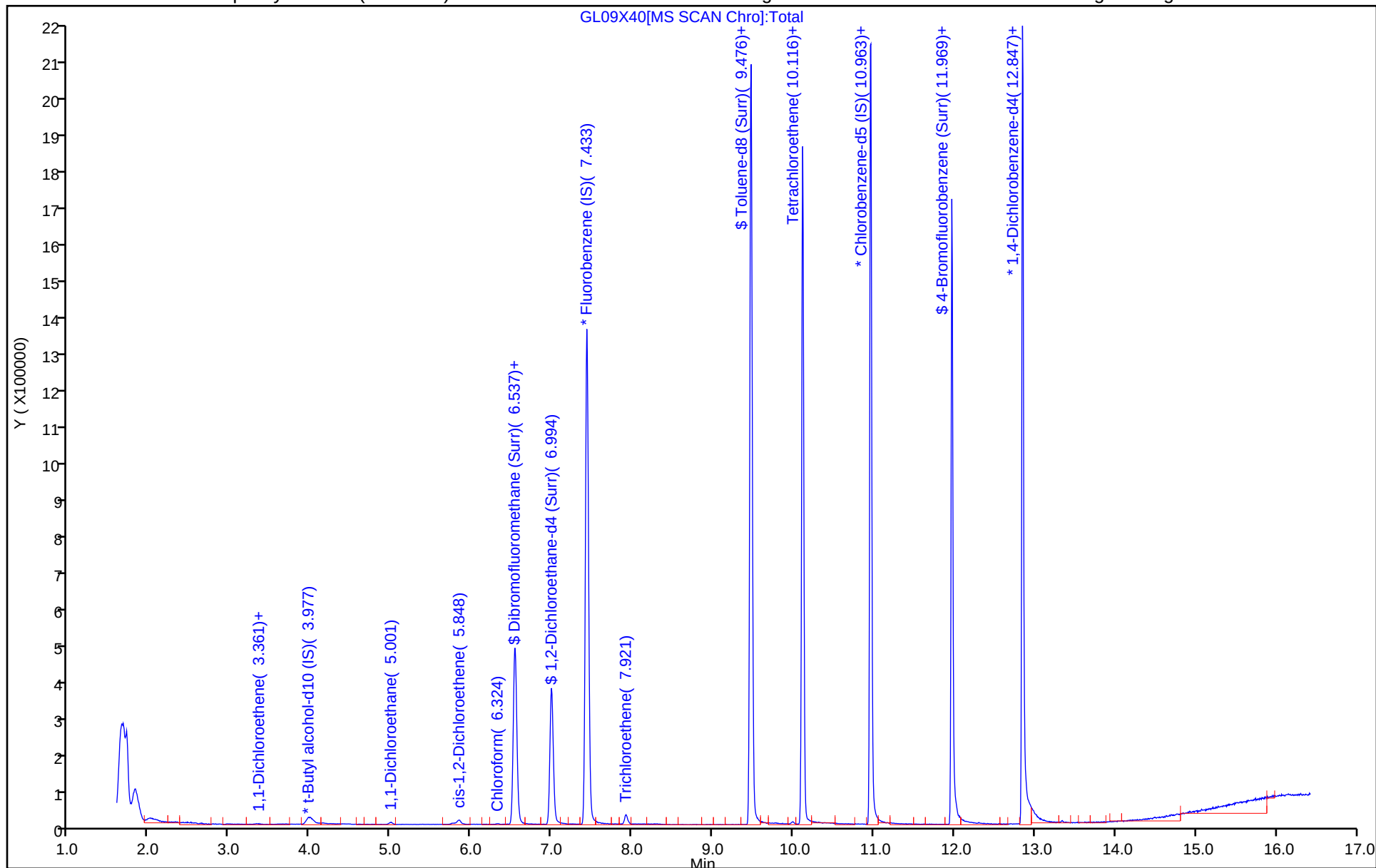
ALS Bottle#: 10

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X40.D
Lims ID: 410-177855-B-8 DL
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 10-Jul-2024 00:03:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0118882-011
Operator ID: gaw91131 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Jul-2024 11:57:27 Calib Date: 15-Jun-2024 00:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1646

First Level Reviewer: FQ4L

Date: 10-Jul-2024 11:57:27

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.2	102.17
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	104.48
\$ 83 Toluene-d8 (Surr)	10.0	9.94	99.42
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.17	91.67

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X40.D

Injection Date: 10-Jul-2024 00:03:30

Instrument ID: 16334

Lims ID: 410-177855-B-8 DL

Lab Sample ID: 410-177855-8

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

Operator ID: gaw91131

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 25.000 mL

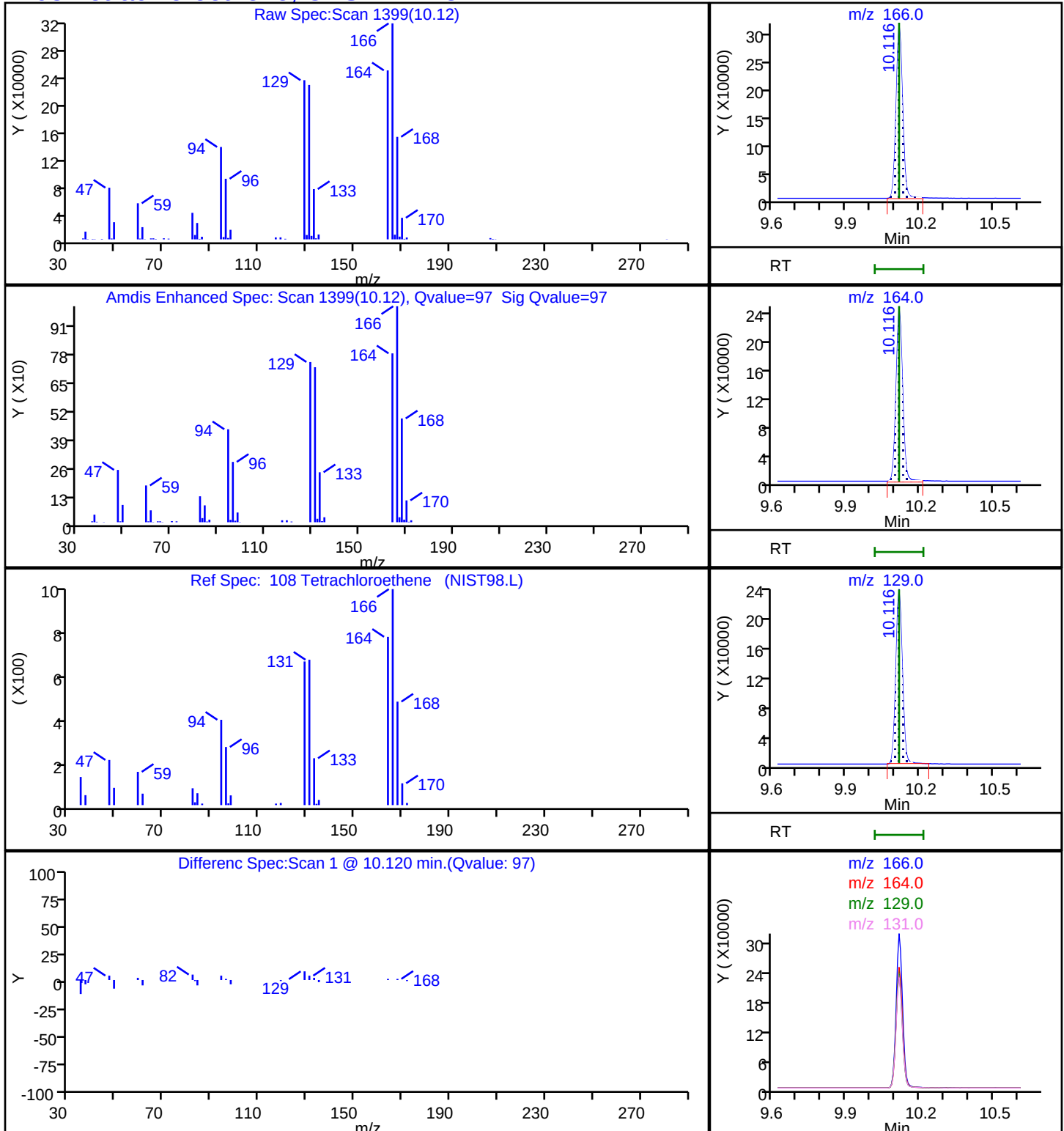
Dil. Factor: 10.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-9

Matrix: Water

Lab File ID: CL08X17.D

Analysis Method: 8260D

Date Collected: 06/26/2024 09:35

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 17:17

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	3.0	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.15	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.14	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.48	J	0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-26-0/1-0 Lab Sample ID: 410-177855-9

Matrix: Water Lab File ID: CL08X17.D

Analysis Method: 8260D Date Collected: 06/26/2024 09:35

Sample wt/vol: 25 (mL) Date Analyzed: 07/08/2024 17:17

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 525536 Units: ug/L

Preparation Batch No.: _____ Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		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\10193\20240708-118704.b\CL08X17.D
 Lims ID: 410-177855-A-9
 Client ID: HD-COD-SW-26-0/1-0
 Sample Type: Client
 Inject. Date: 08-Jul-2024 17:17:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-018
 Misc. Info.: 410-177855-A-9
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 11:47:14 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:48:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.988				ND	7
6 Vinyl chloride	62		2.085				ND	7
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.189				ND	7
20 Acetone	43	3.232	3.213	0.019	95	21712	3.02	
25 Carbon disulfide	76	3.457	3.457	0.000	52	5433	0.0337	
30 Methylene Chloride	84		3.780				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.780	3.798	-0.018	97	144843	50.0	
34 Methyl tert-butyl ether	73		4.140				ND	
35 trans-1,2-Dichloroethene	96		4.146				ND	
37 1,1-Dichloroethane	63		4.798				ND	
42 2-Butanone (MEK)	43	5.621	5.609	0.012	30	6063	0.4599	
43 cis-1,2-Dichloroethene	96	5.646	5.646	0.000	75	9071	0.1361	
48 Chlorobromomethane	128		5.981				ND	
50 Chloroform	83	6.133	6.139	-0.006	91	15996	0.1482	
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	94	533765	10.1	
53 1,1,1-Trichloroethane	97		6.365				ND	
56 Carbon tetrachloride	117		6.572				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.816	0.000	99	109745	10.2	
60 Benzene	78		6.847				ND	7
61 1,2-Dichloroethane	62		6.920				ND	
* 65 Fluorobenzene (IS)	96	7.261	7.267	-0.006	99	2172563	10.0	
68 Trichloroethene	95	7.749	7.749	0.000	93	11181	0.1676	
70 1,2-Dichloropropane	63		8.090				ND	
76 Dichlorobromomethane	83		8.450				ND	7
80 cis-1,3-Dichloropropene	75		9.023				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.224				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2189898	10.0	
84 Toluene	92	9.432	9.438	-0.006	97	7492	0.0463	
85 trans-1,3-Dichloropropene	75		9.724				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.937				ND	
88 Tetrachloroethene	166	10.017	10.017	0.000	97	38466	0.4790	
106 2-Hexanone	43		10.175				ND	7
108 Chlorodibromomethane	129		10.328				ND	
110 Ethylene Dibromide	107		10.437				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1702550	10.0	
113 Chlorobenzene	112		10.925				ND	
114 1,1,1,2-Tetrachloroethane	131		11.010				ND	
115 Ethylbenzene	91		11.017				ND	7
116 m-Xylene & p-Xylene	106		11.138				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.480				ND	7
119 Styrene	104		11.498				ND	7
120 Bromoform	173		11.651				ND	7
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	95	775013	9.45	
126 1,1,2,2-Tetrachloroethane	83		12.053				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	93	945640	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 09-Jul-2024 11:48:08

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X17.D

Injection Date: 08-Jul-2024 17:17:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-177855-A-9

Lab Sample ID: 410-177855-9

Worklist Smp#: 18

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

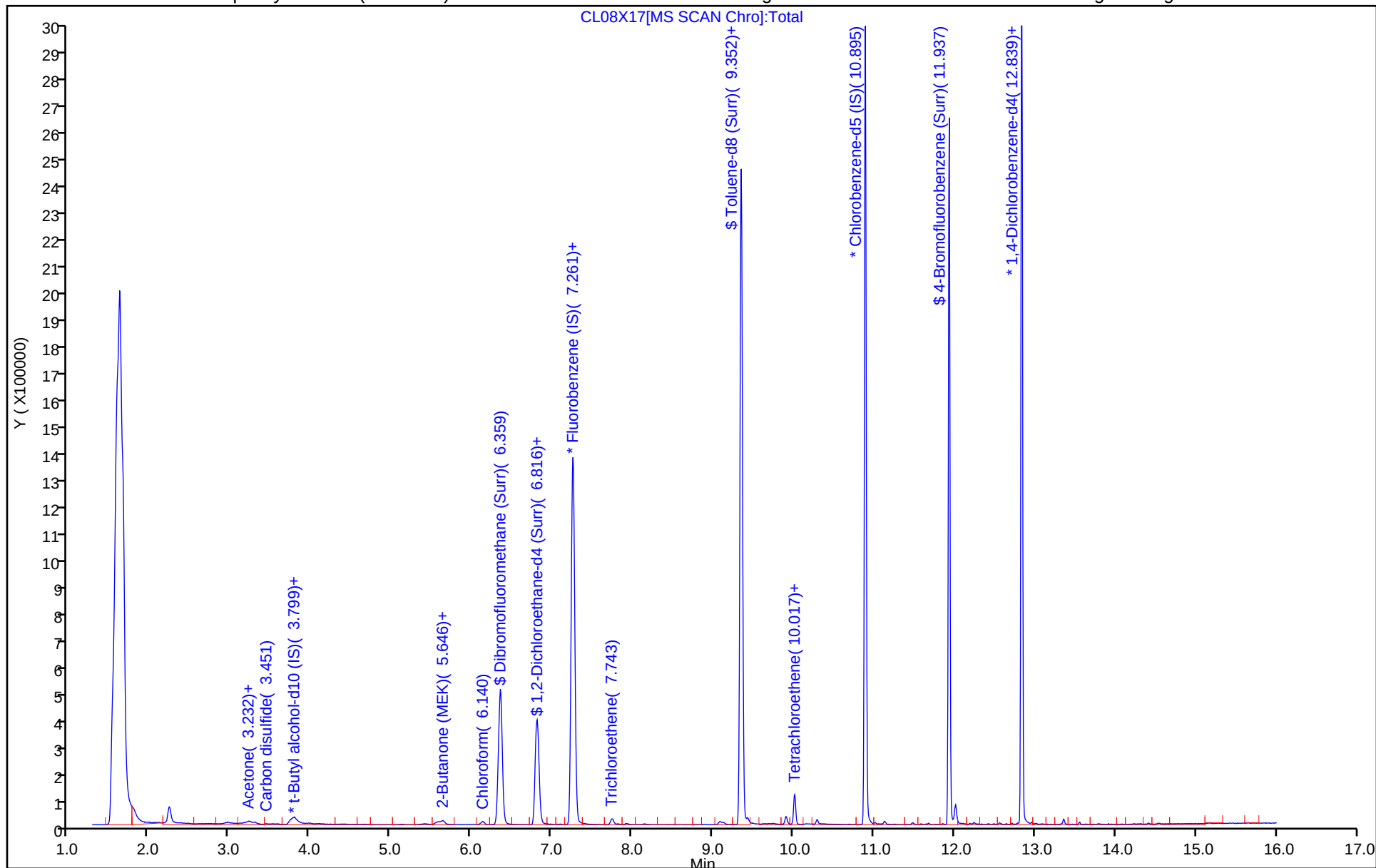
ALS Bottle#: 17

Method: MSV_10193_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\10193\20240708-118704.b\CL08X17.D
Lims ID: 410-177855-A-9
Client ID: HD-COD-SW-26-0/1-0
Sample Type: Client
Inject. Date: 08-Jul-2024 17:17:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-018
Misc. Info.: 410-177855-A-9
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 11:47:14 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:48:07

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.1	101.45
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.96
\$ 83 Toluene-d8 (Surr)	10.0	10.0	100.39
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.45	94.51

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X17.D

Injection Date: 08-Jul-2024 17:17:30

Instrument ID: 10193

Lims ID: 410-177855-A-9

Lab Sample ID: 410-177855-9

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

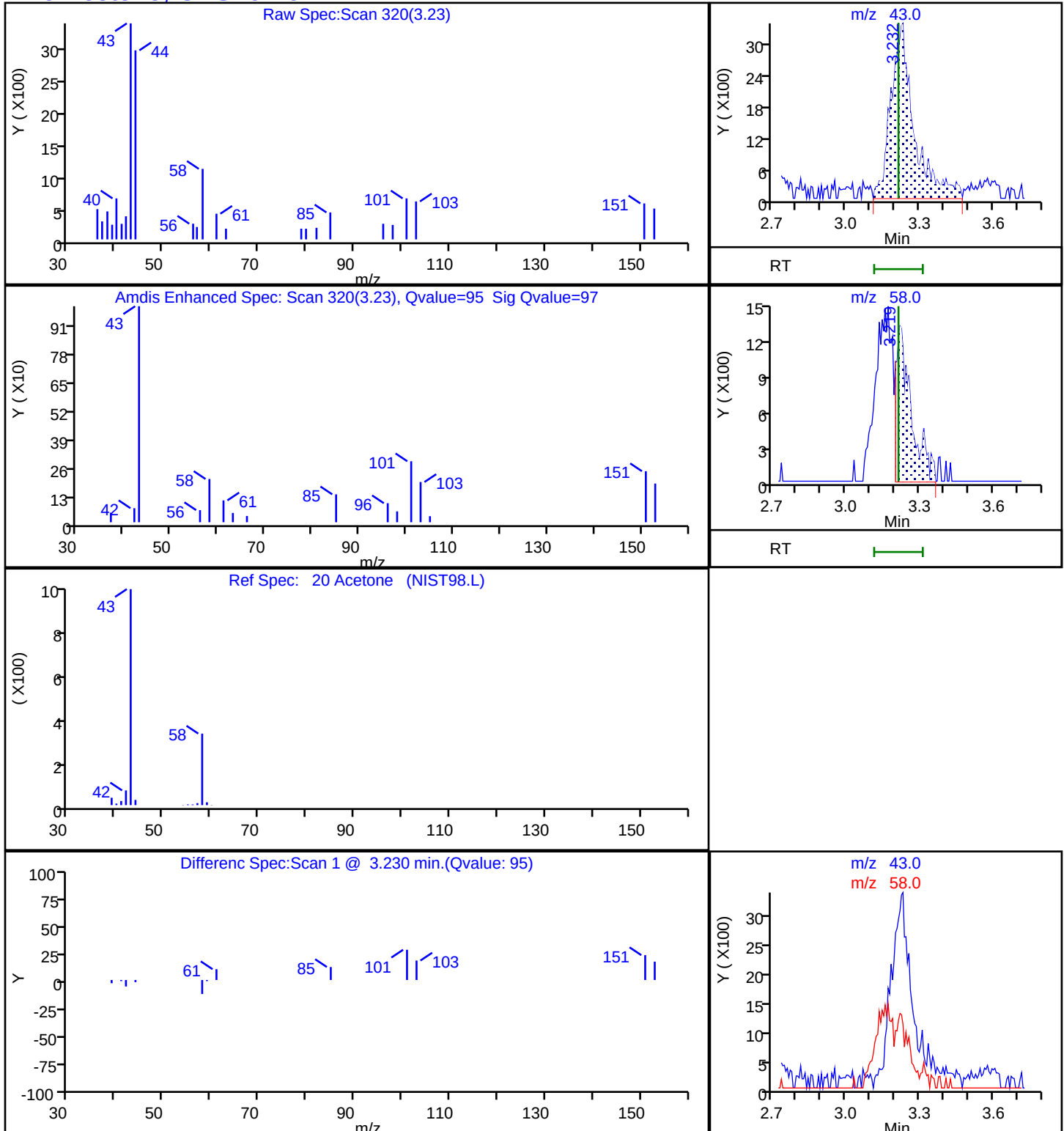
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

20 Acetone, CAS: 67-64-1

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X17.D

Injection Date: 08-Jul-2024 17:17:30

Instrument ID: 10193

Lims ID: 410-177855-A-9

Lab Sample ID: 410-177855-9

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

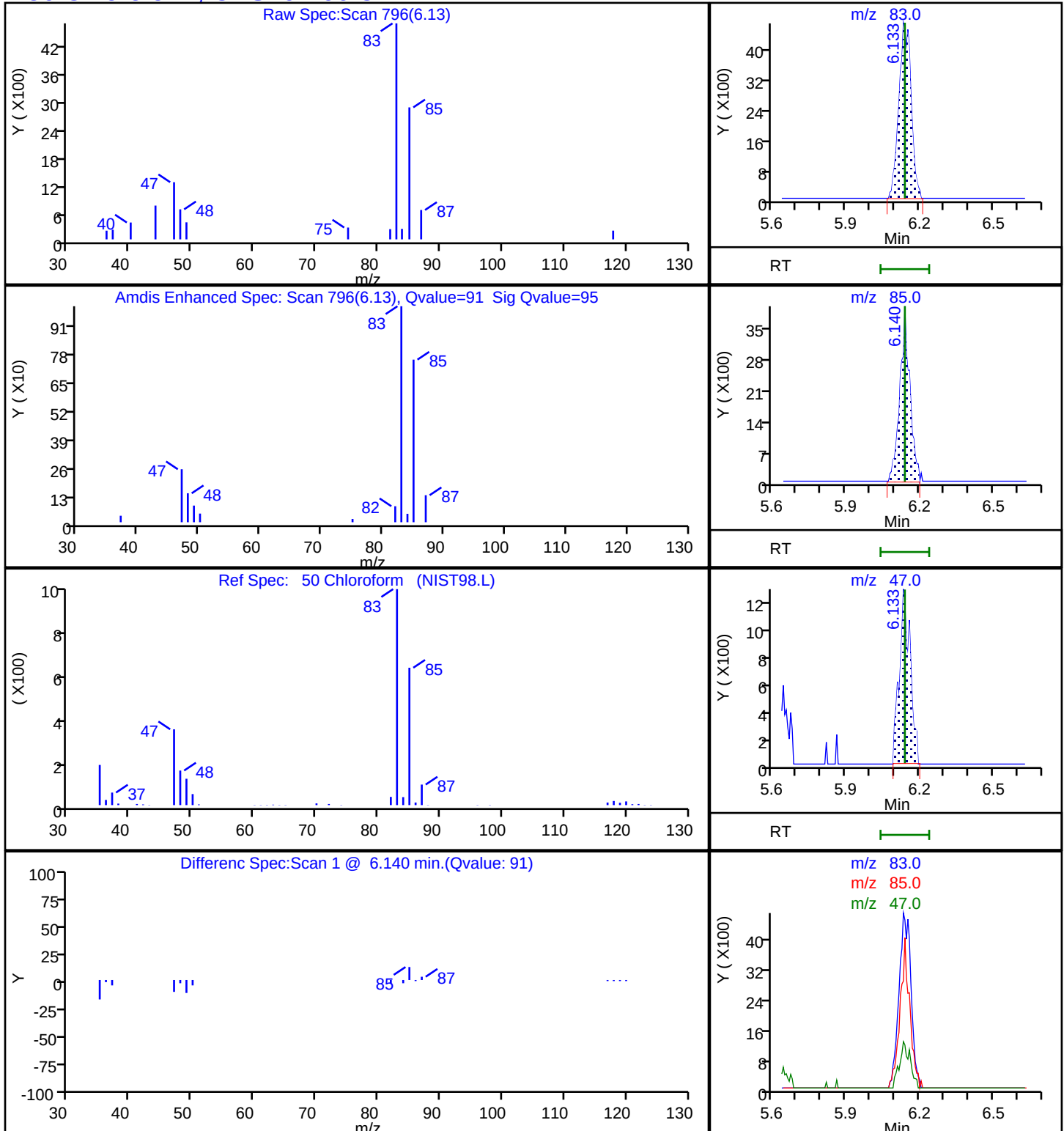
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

50 Chloroform, CAS: 67-66-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X17.D

Injection Date: 08-Jul-2024 17:17:30

Instrument ID: 10193

Lims ID: 410-177855-A-9

Lab Sample ID: 410-177855-9

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

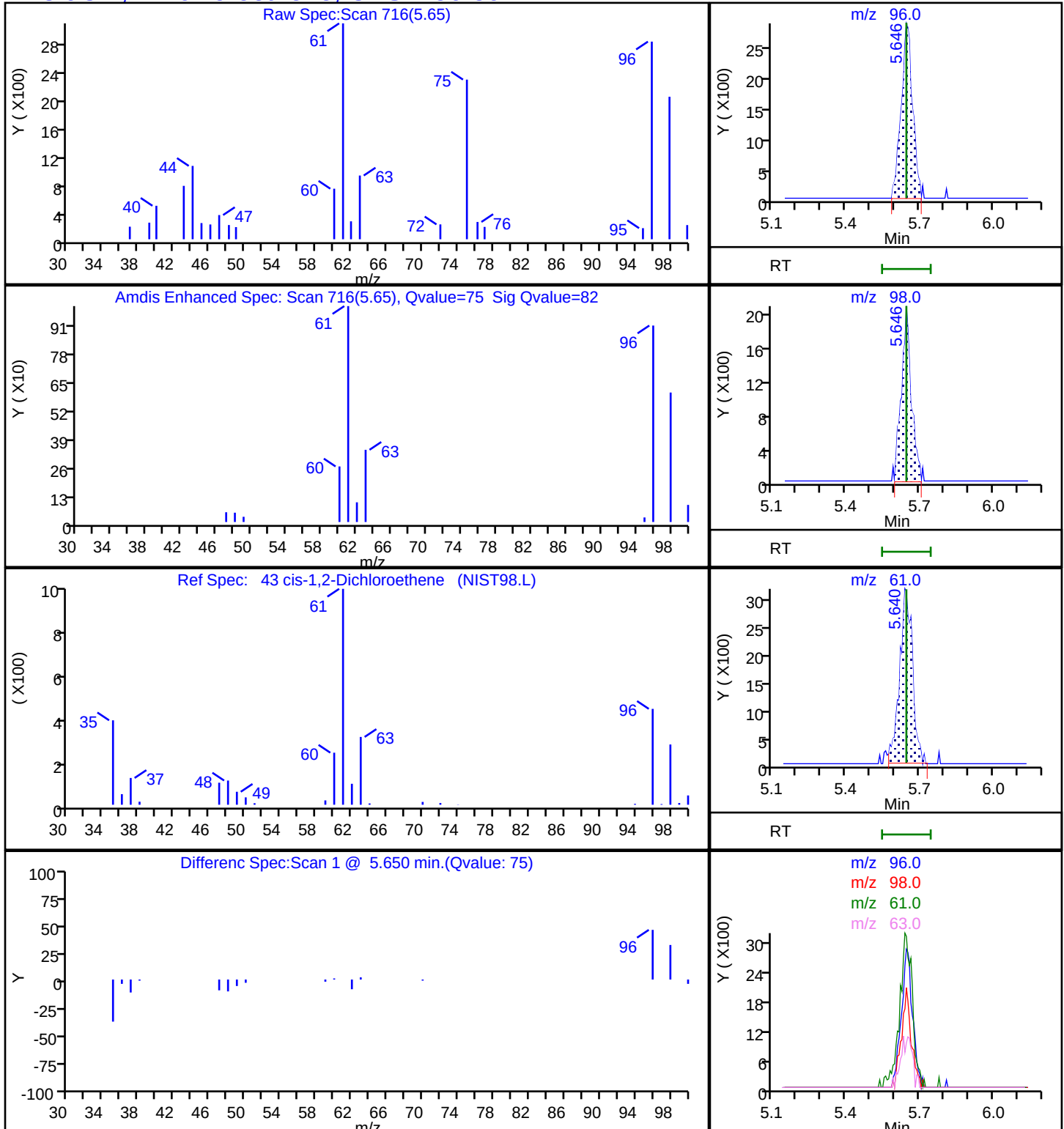
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X17.D

Injection Date: 08-Jul-2024 17:17:30

Instrument ID: 10193

Lims ID: 410-177855-A-9

Lab Sample ID: 410-177855-9

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

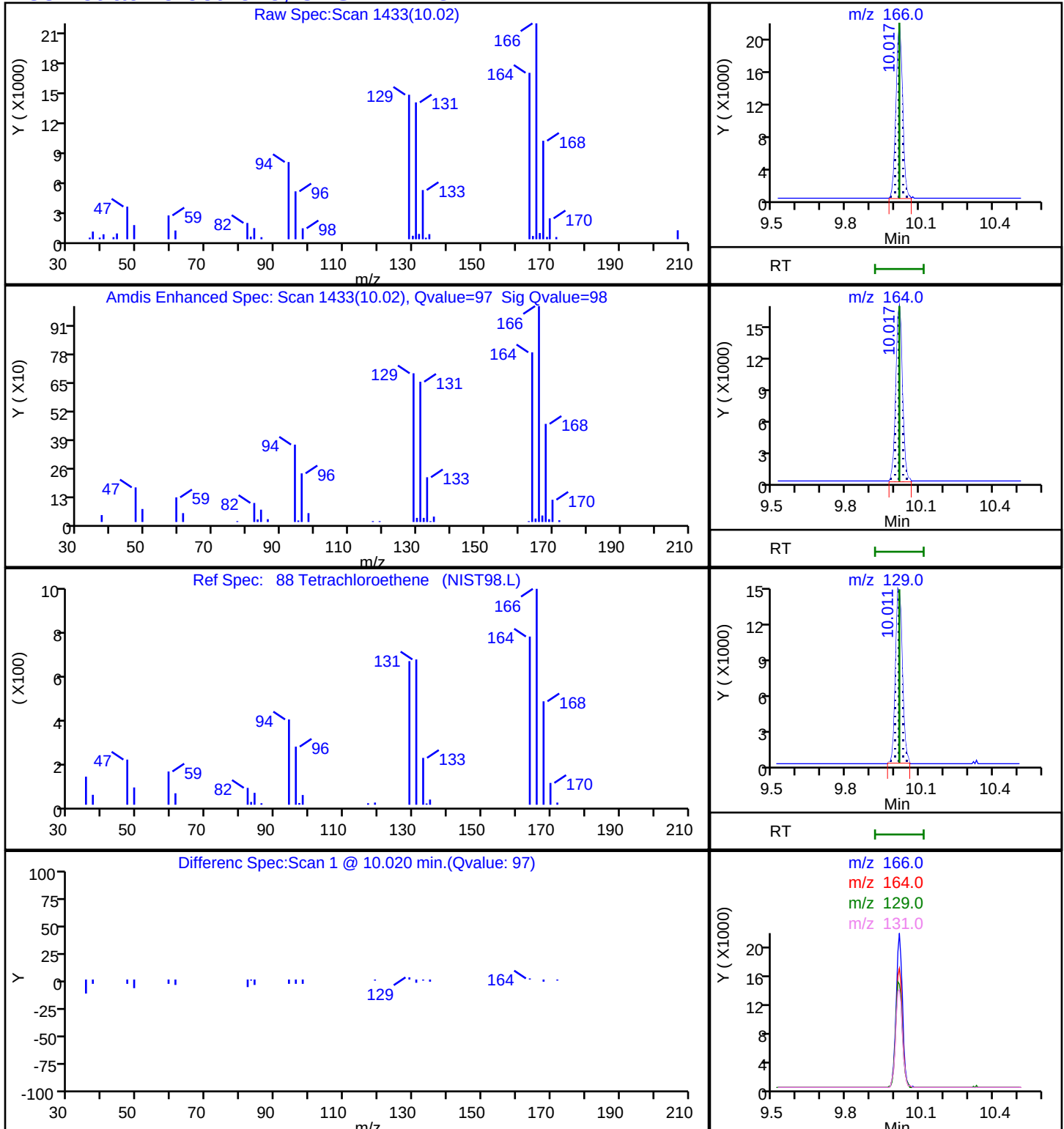
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

88 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X17.D

Injection Date: 08-Jul-2024 17:17:30

Instrument ID: 10193

Lims ID: 410-177855-A-9

Lab Sample ID: 410-177855-9

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

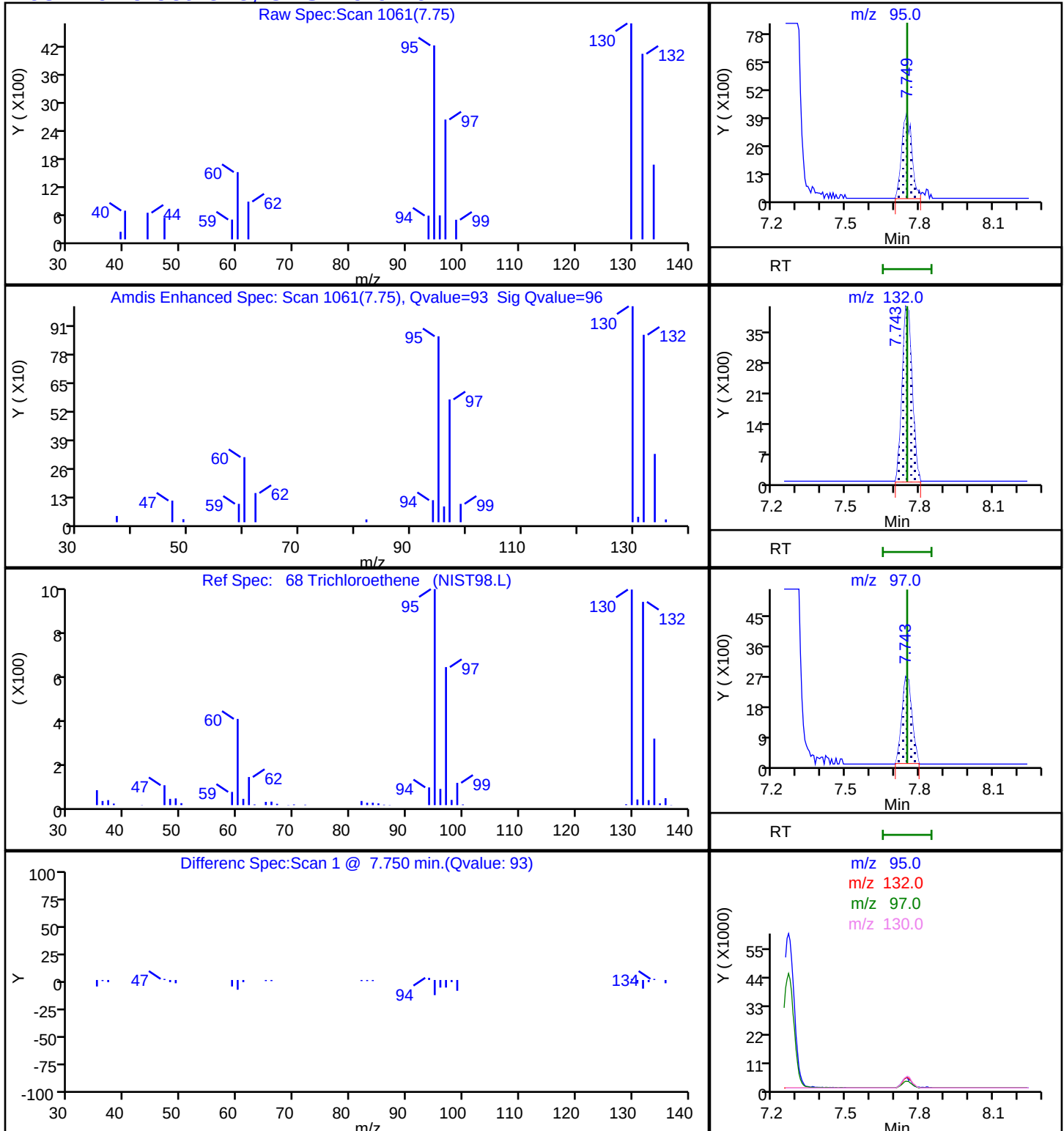
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-10

Matrix: Water

Lab File ID: CL08X18.D

Analysis Method: 8260D

Date Collected: 06/26/2024 10:20

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 17:40

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	3.3	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.095	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.14	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-27-0/1-0 Lab Sample ID: 410-177855-10

Matrix: Water Lab File ID: CL08X18.D

Analysis Method: 8260D Date Collected: 06/26/2024 10:20

Sample wt/vol: 25 (mL) Date Analyzed: 07/08/2024 17:40

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 525536 Units: ug/L

Preparation Batch No.: _____ Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		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\10193\20240708-118704.b\CL08X18.D
 Lims ID: 410-177855-A-10
 Client ID: HD-COD-SW-27-0/1-0
 Sample Type: Client
 Inject. Date: 08-Jul-2024 17:40:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-019
 Misc. Info.: 410-177855-A-10
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 11:47:14 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:48:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.988				ND	7
6 Vinyl chloride	62		2.085				ND	7
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.189				ND	7
20 Acetone	43	3.219	3.213	0.006	100	23419	3.34	
25 Carbon disulfide	76	3.457	3.457	0.000	95	7167	0.0443	
30 Methylene Chloride	84		3.780				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.798	3.798	0.000	96	141222	50.0	
34 Methyl tert-butyl ether	73		4.140				ND	
35 trans-1,2-Dichloroethene	96		4.146				ND	
37 1,1-Dichloroethane	63		4.798				ND	
42 2-Butanone (MEK)	43	5.609	5.609	0.000	99	6799	0.5290	
43 cis-1,2-Dichloroethene	96	5.646	5.646	0.000	76	9473	0.1419	
48 Chlorobromomethane	128		5.981				ND	
50 Chloroform	83	6.139	6.139	0.000	91	10308	0.0953	
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	94	539545	10.2	
53 1,1,1-Trichloroethane	97		6.365				ND	
56 Carbon tetrachloride	117		6.572				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.822	6.816	0.006	99	110398	10.2	
60 Benzene	78		6.847				ND	7
61 1,2-Dichloroethane	62		6.920				ND	
* 65 Fluorobenzene (IS)	96	7.261	7.267	-0.006	99	2176183	10.0	
68 Trichloroethene	95	7.749	7.749	0.000	94	11416	0.1709	
70 1,2-Dichloropropane	63		8.090				ND	
76 Dichlorobromomethane	83		8.450				ND	7
80 cis-1,3-Dichloropropene	75		9.023				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.224				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2181753	10.1	
84 Toluene	92	9.431	9.438	-0.007	99	8216	0.0512	
85 trans-1,3-Dichloropropene	75		9.724				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.937				ND	
88 Tetrachloroethene	166	10.017	10.017	0.000	93	5931	0.0744	
106 2-Hexanone	43		10.175				ND	7
108 Chlorodibromomethane	129		10.328				ND	7
110 Ethylene Dibromide	107		10.437				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1690866	10.0	
113 Chlorobenzene	112		10.925				ND	
114 1,1,1,2-Tetrachloroethane	131		11.010				ND	
115 Ethylbenzene	91		11.017				ND	7
116 m-Xylene & p-Xylene	106		11.138				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.480				ND	7
119 Styrene	104		11.498				ND	7
120 Bromoform	173		11.651				ND	7
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	96	769090	9.44	
126 1,1,2,2-Tetrachloroethane	83		12.053				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	93	939734	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X18.D

Injection Date: 08-Jul-2024 17:40:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-177855-A-10

Lab Sample ID: 410-177855-10

Worklist Smp#: 19

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

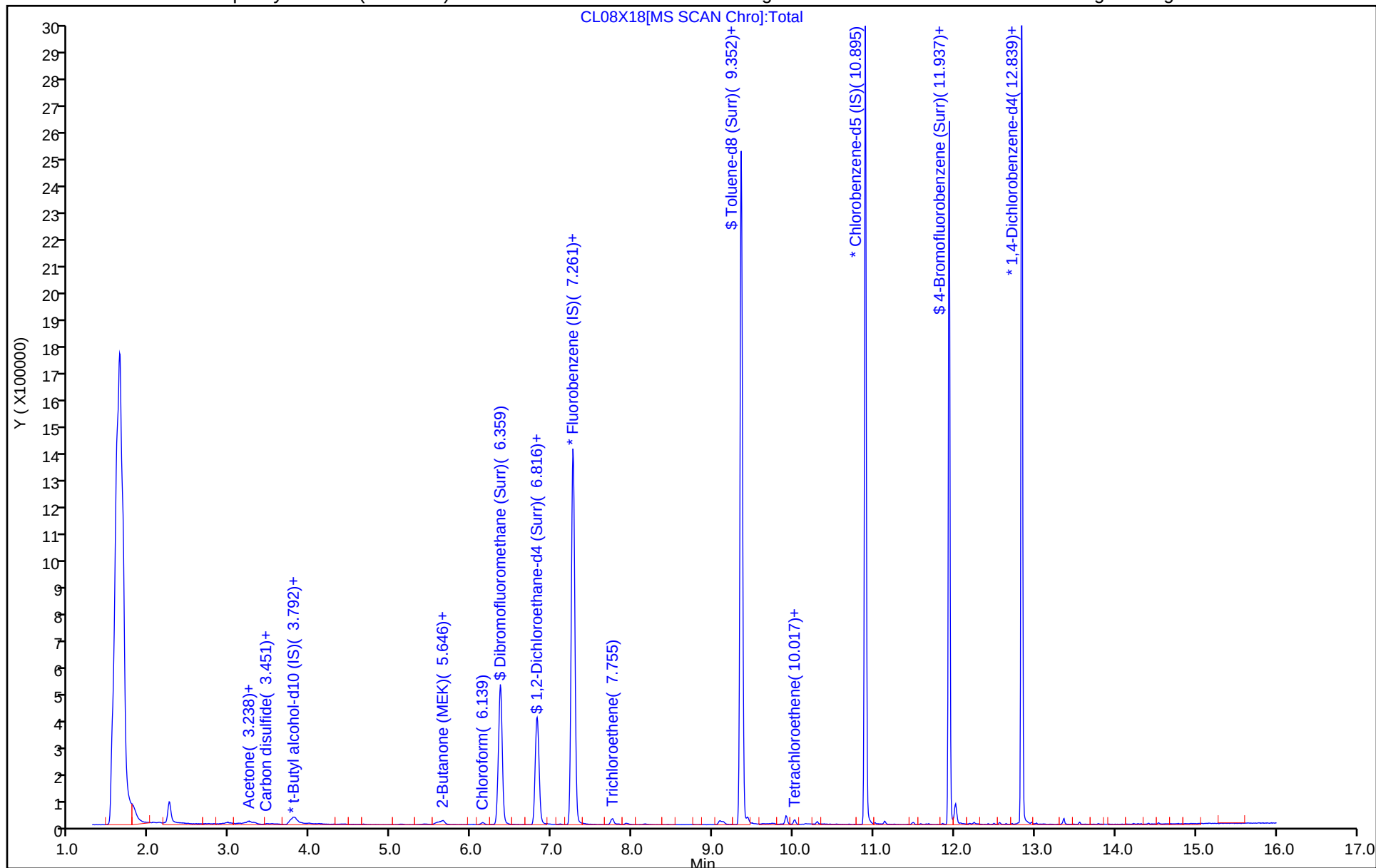
ALS Bottle#: 18

Method: MSV_10193_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\10193\20240708-118704.b\CL08X18.D
Lims ID: 410-177855-A-10
Client ID: HD-COD-SW-27-0/1-0
Sample Type: Client
Inject. Date: 08-Jul-2024 17:40:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-019
Misc. Info.: 410-177855-A-10
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 11:47:14 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

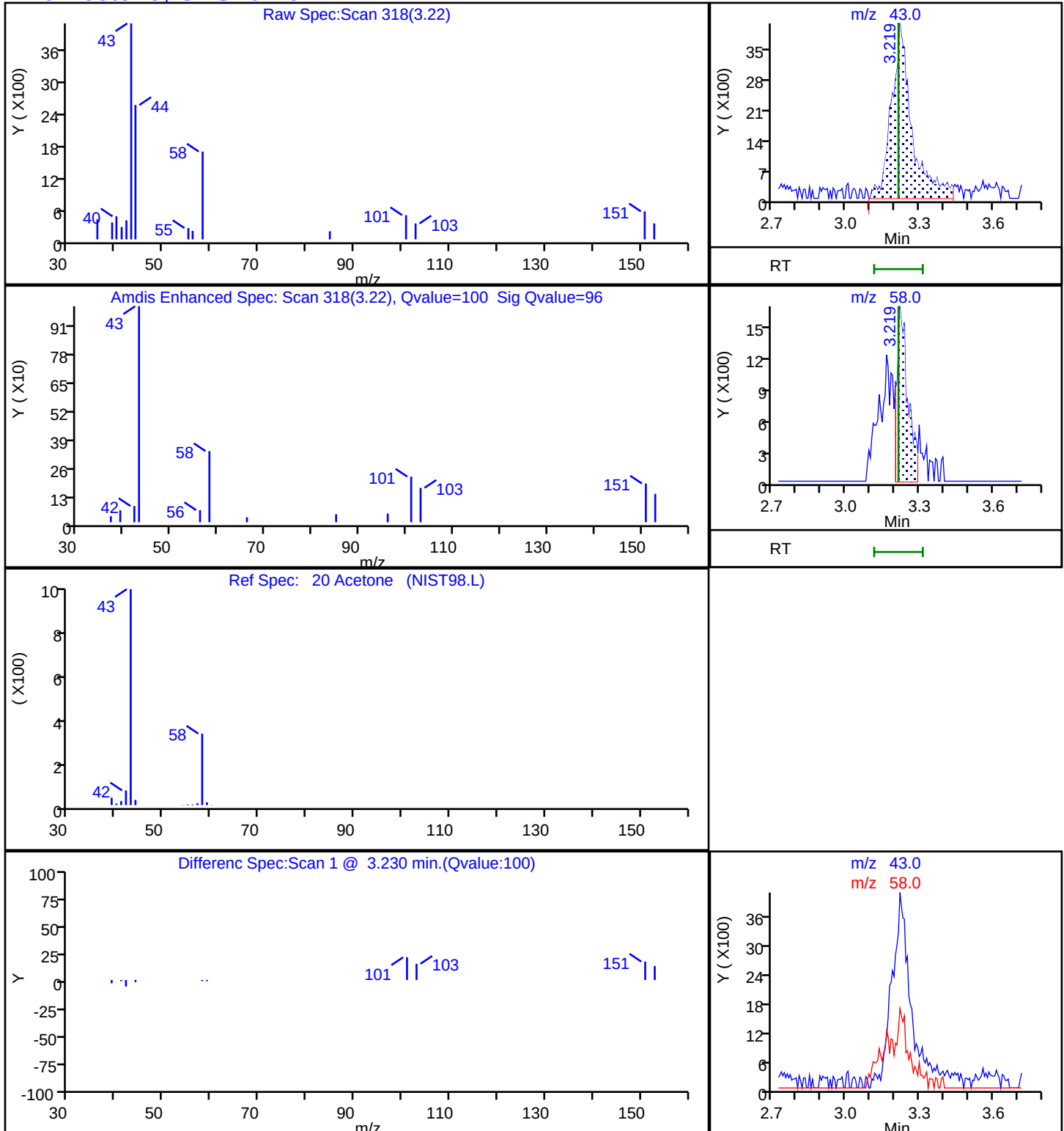
First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:48:57

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.2	102.38
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	102.39
\$ 83 Toluene-d8 (Surr)	10.0	10.1	100.70
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.44	94.44

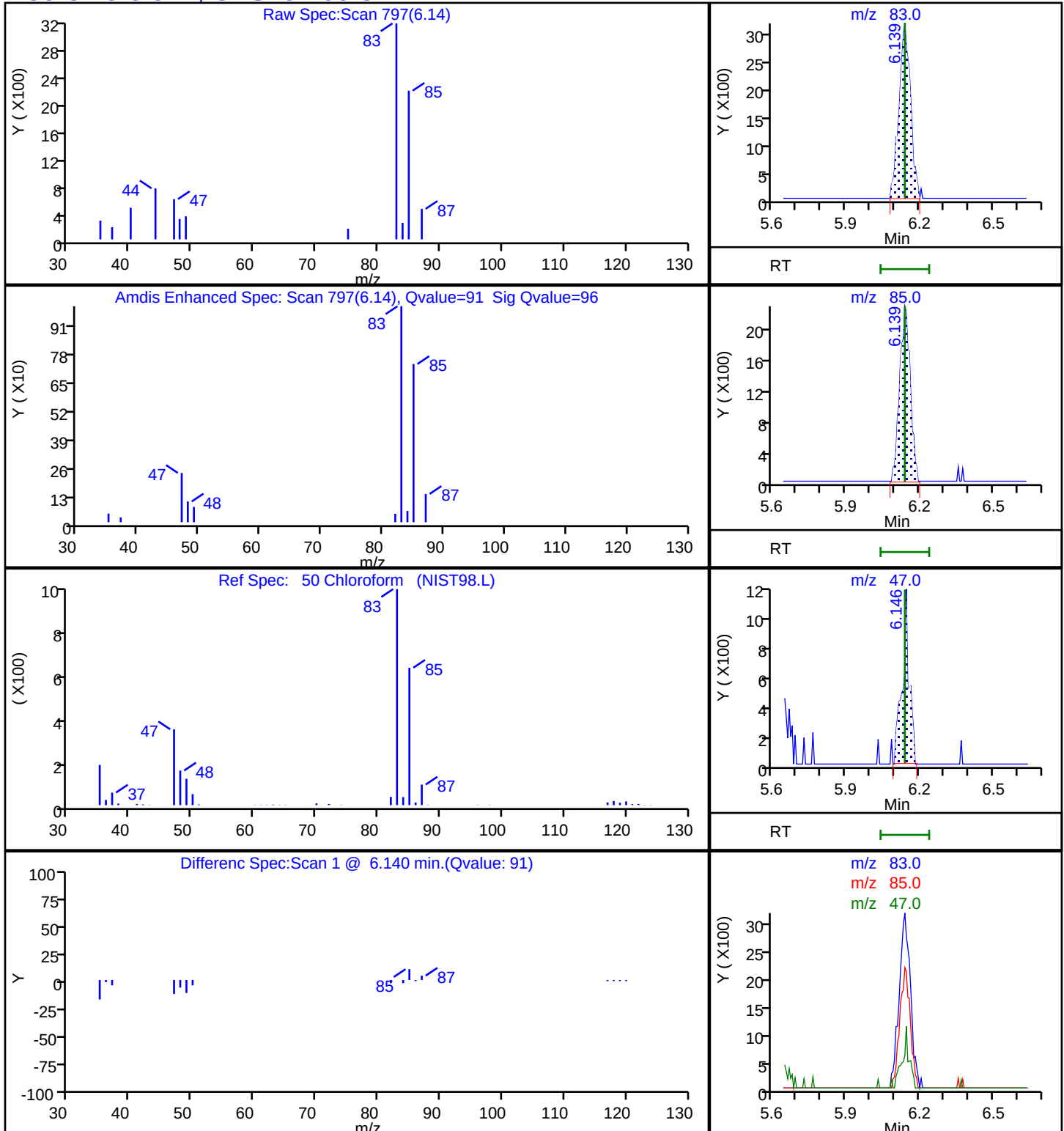
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X18.D
Injection Date: 08-Jul-2024 17:40:30 Instrument ID: 10193
Lims ID: 410-177855-A-10 Lab Sample ID: 410-177855-10
Client ID: HD-COD-SW-27-0/1-0
Operator ID: knk41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

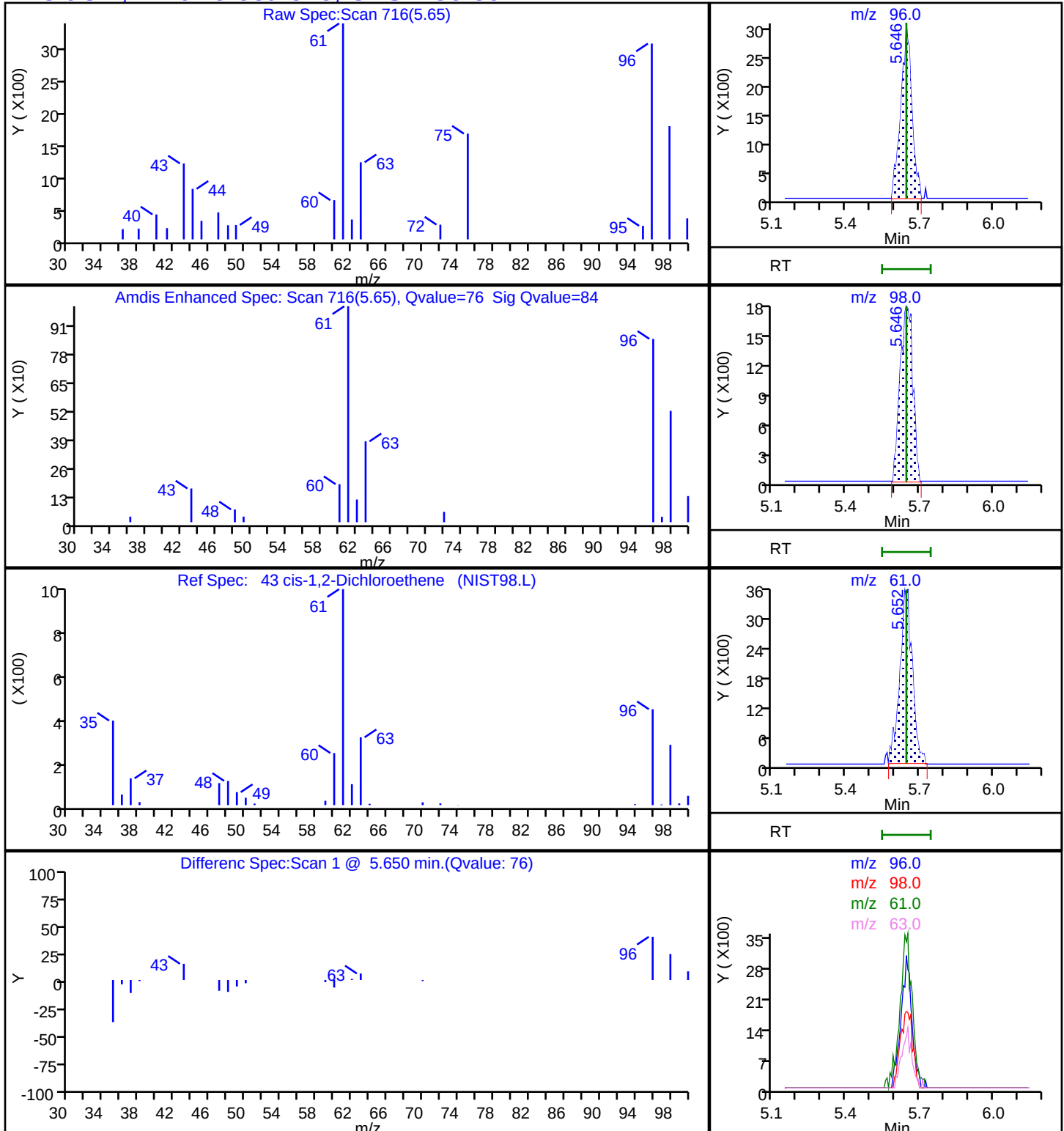
20 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X18.D
Injection Date: 08-Jul-2024 17:40:30 Instrument ID: 10193
Lims ID: 410-177855-A-10 Lab Sample ID: 410-177855-10
Client ID: HD-COD-SW-27-0/1-0
Operator ID: knk41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

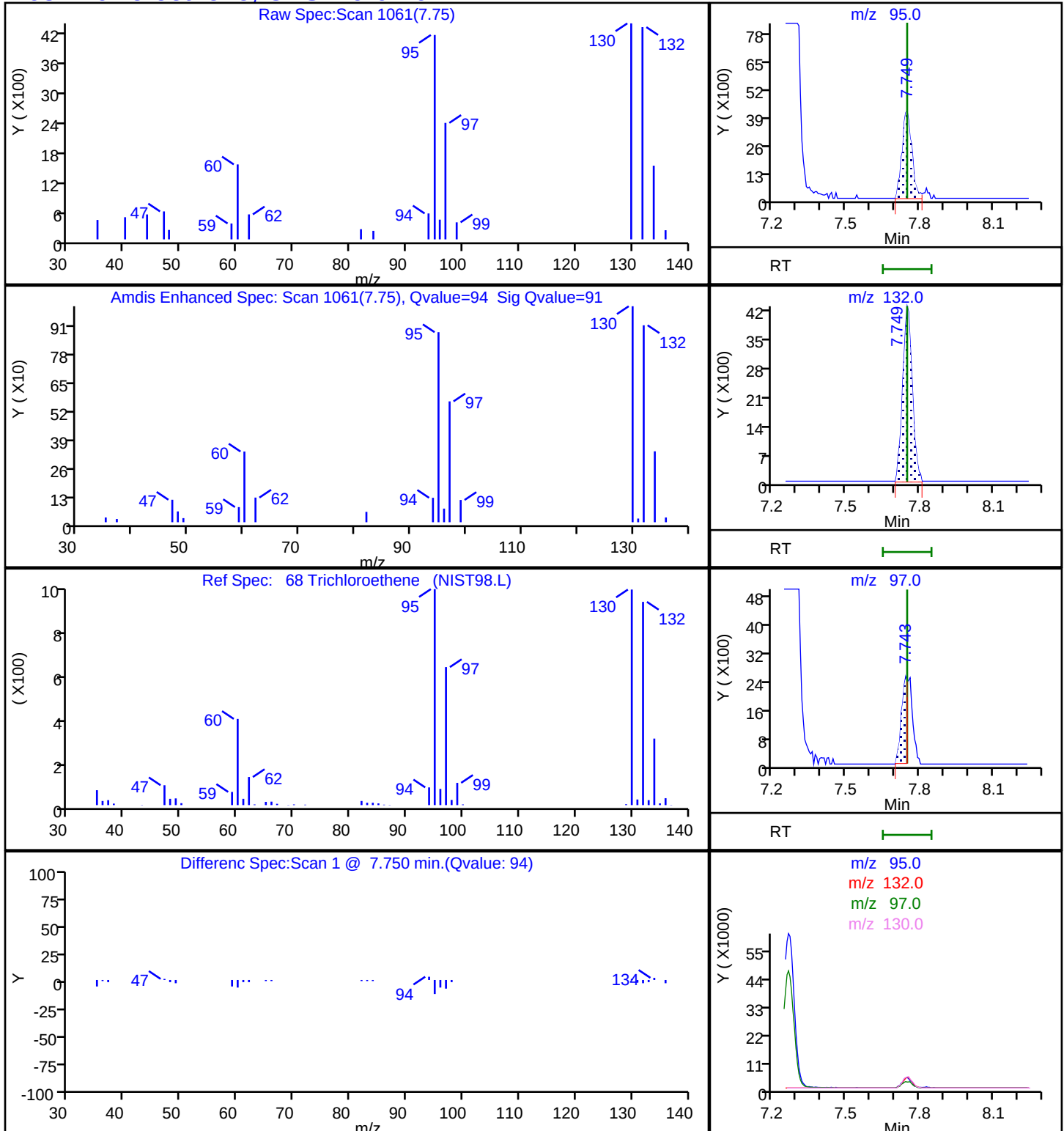
50 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X18.D
Injection Date: 08-Jul-2024 17:40:30 Instrument ID: 10193
Lims ID: 410-177855-A-10 Lab Sample ID: 410-177855-10
Client ID: HD-COD-SW-27-0/1-0
Operator ID: knk41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X18.D
Injection Date: 08-Jul-2024 17:40:30 Instrument ID: 10193
Lims ID: 410-177855-A-10 Lab Sample ID: 410-177855-10
Client ID: HD-COD-SW-27-0/1-0
Operator ID: knk41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

68 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-11

Matrix: Water

Lab File ID: CL08X19.D

Analysis Method: 8260D

Date Collected: 06/26/2024 11:37

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 18:03

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.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	4.3	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.13	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.13	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.38	J	0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-11

Matrix: Water

Lab File ID: CL08X19.D

Analysis Method: 8260D

Date Collected: 06/26/2024 11:37

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 18:03

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.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	0.10	J	0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.16	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		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\10193\20240708-118704.b\CL08X19.D
 Lims ID: 410-177855-A-11
 Client ID: HD-COD-SW-28-0/1-0
 Sample Type: Client
 Inject. Date: 08-Jul-2024 18:03:30 ALS Bottle#: 19 Worklist Smp#: 20
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-020
 Misc. Info.: 410-177855-A-11
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 11:50:12 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:50:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.988				ND	7
6 Vinyl chloride	62		2.085				ND	7
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.189				ND	7
20 Acetone	43	3.219	3.213	0.006	99	28886	4.29	
25 Carbon disulfide	76		3.457				ND	7
30 Methylene Chloride	84		3.780				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.786	3.798	-0.012	96	135892	50.0	
34 Methyl tert-butyl ether	73		4.140				ND	
35 trans-1,2-Dichloroethene	96		4.146				ND	
37 1,1-Dichloroethane	63		4.798				ND	7
42 2-Butanone (MEK)	43	5.609	5.609	0.000	31	5981	0.4836	
43 cis-1,2-Dichloroethene	96	5.646	5.646	0.000	76	8627	0.1306	
48 Chlorobromomethane	128		5.981				ND	
50 Chloroform	83	6.139	6.139	0.000	92	13643	0.1275	
\$ 54 Dibromofluoromethane (Surr)	113	6.353	6.359	-0.006	94	533232	10.2	
53 1,1,1-Trichloroethane	97		6.365				ND	7
56 Carbon tetrachloride	117		6.572				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.816	0.000	98	107538	10.1	
60 Benzene	78	6.847	6.847	0.000	89	4319	0.0180	a
61 1,2-Dichloroethane	62		6.920				ND	
* 65 Fluorobenzene (IS)	96	7.261	7.267	-0.006	99	2153695	10.0	
68 Trichloroethene	95	7.743	7.749	-0.006	96	10513	0.1590	
70 1,2-Dichloropropane	63		8.090				ND	
76 Dichlorobromomethane	83		8.450				ND	7
80 cis-1,3-Dichloropropene	75		9.023				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.224				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2166010	10.0	
84 Toluene	92	9.431	9.438	-0.007	97	16125	0.1004	
85 trans-1,3-Dichloropropene	75		9.724				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.937				ND	
88 Tetrachloroethene	166	10.017	10.017	0.000	96	30059	0.3770	
106 2-Hexanone	43		10.175				ND	7
108 Chlorodibromomethane	129		10.328				ND	7
110 Ethylene Dibromide	107		10.437				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1690254	10.0	
113 Chlorobenzene	112		10.925				ND	
114 1,1,1,2-Tetrachloroethane	131		11.010				ND	
115 Ethylbenzene	91		11.017				ND	7
116 m-Xylene & p-Xylene	106	11.132	11.138	-0.006	97	9010	0.0698	
S 117 Xylenes, Total	106				0		0.1011	
118 o-Xylene	106	11.480	11.480	0.000	96	3984	0.0313	
119 Styrene	104		11.498				ND	7
120 Bromoform	173		11.651				ND	7
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	96	761056	9.35	
126 1,1,2,2-Tetrachloroethane	83		12.053				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	93	926856	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 09-Jul-2024 11:50:12

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X19.D

Injection Date: 08-Jul-2024 18:03:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-177855-A-11

Lab Sample ID: 410-177855-11

Worklist Smp#: 20

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

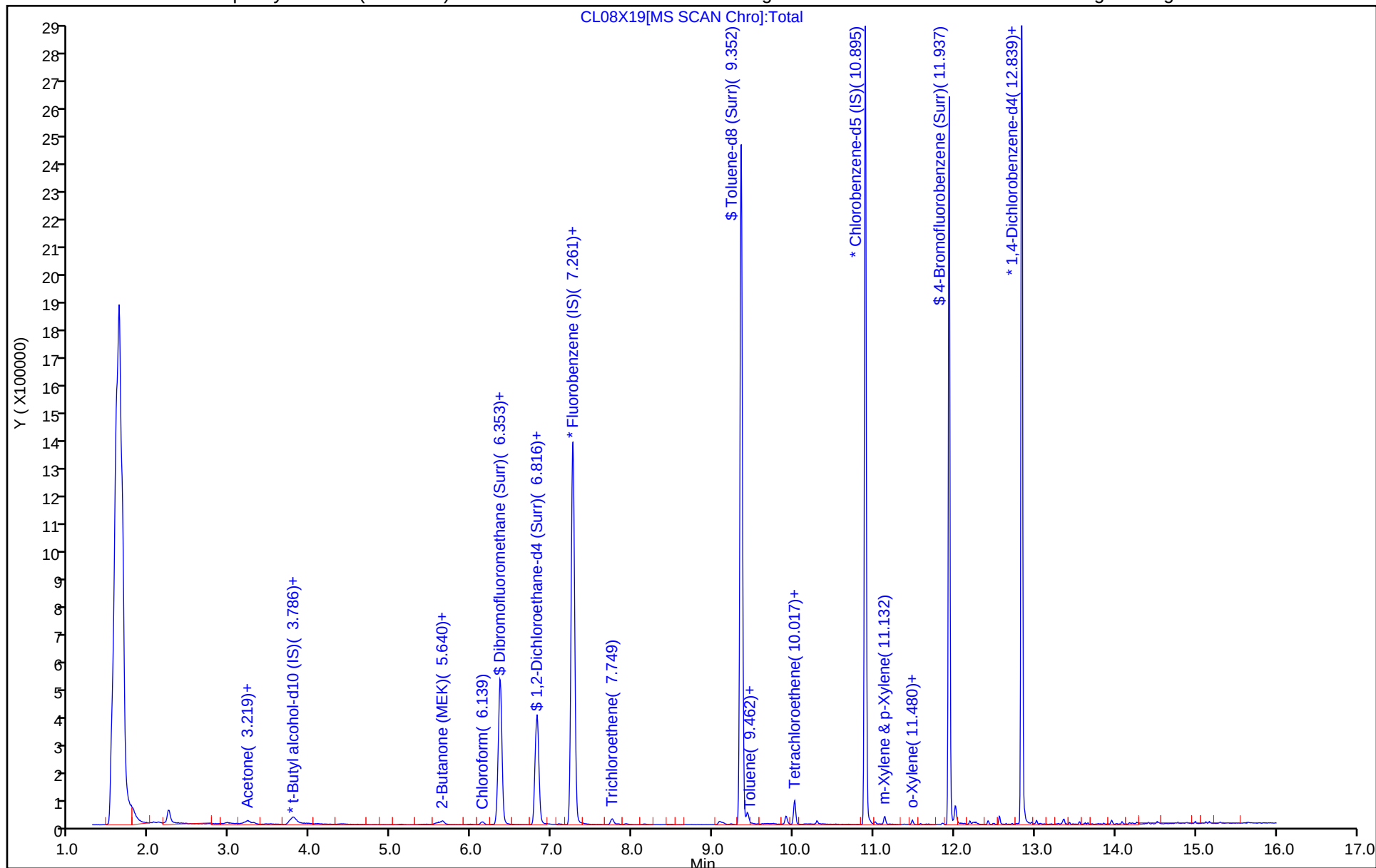
ALS Bottle#: 19

Method: MSV_10193_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\10193\20240708-118704.b\CL08X19.D
Lims ID: 410-177855-A-11
Client ID: HD-COD-SW-28-0/1-0
Sample Type: Client
Inject. Date: 08-Jul-2024 18:03:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-020
Misc. Info.: 410-177855-A-11
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 11:50:12 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:50:12

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.2	102.24
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.78
\$ 83 Toluene-d8 (Surr)	10.0	10.0	100.01
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.35	93.48

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X19.D

Injection Date: 08-Jul-2024 18:03:30

Instrument ID: 10193

Lims ID: 410-177855-A-11

Lab Sample ID: 410-177855-11

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

Operator ID: knk41612

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

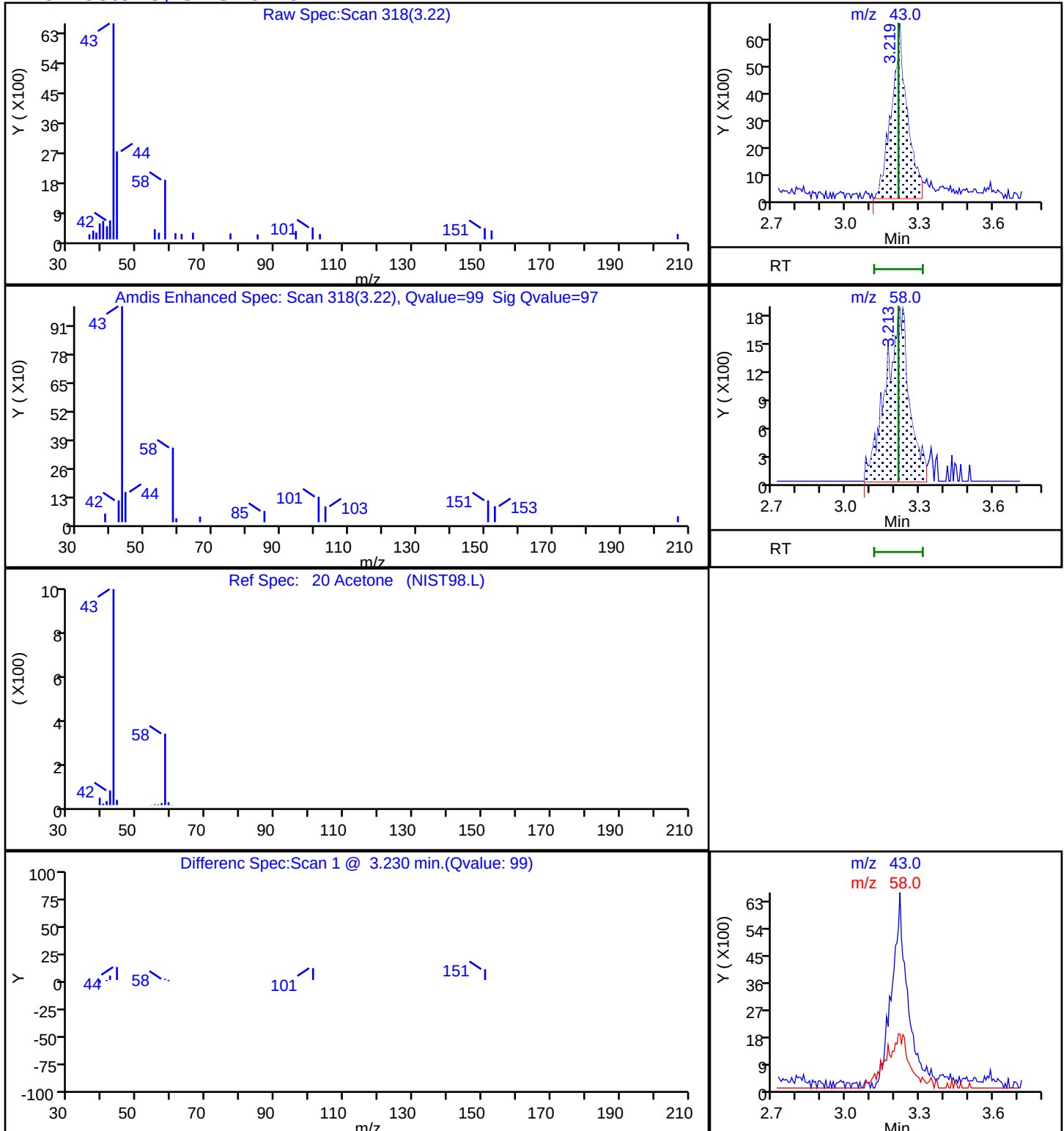
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

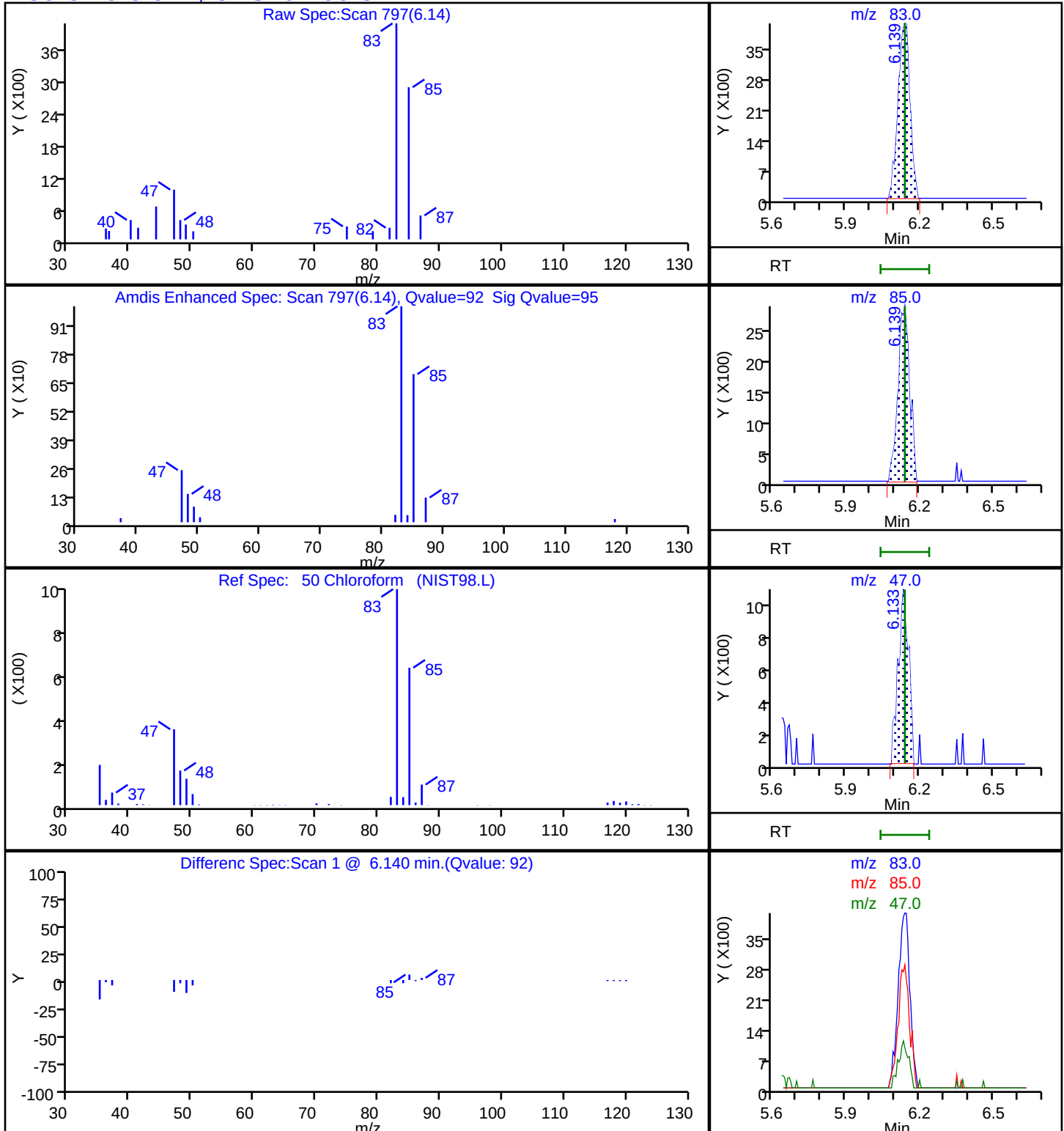
Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

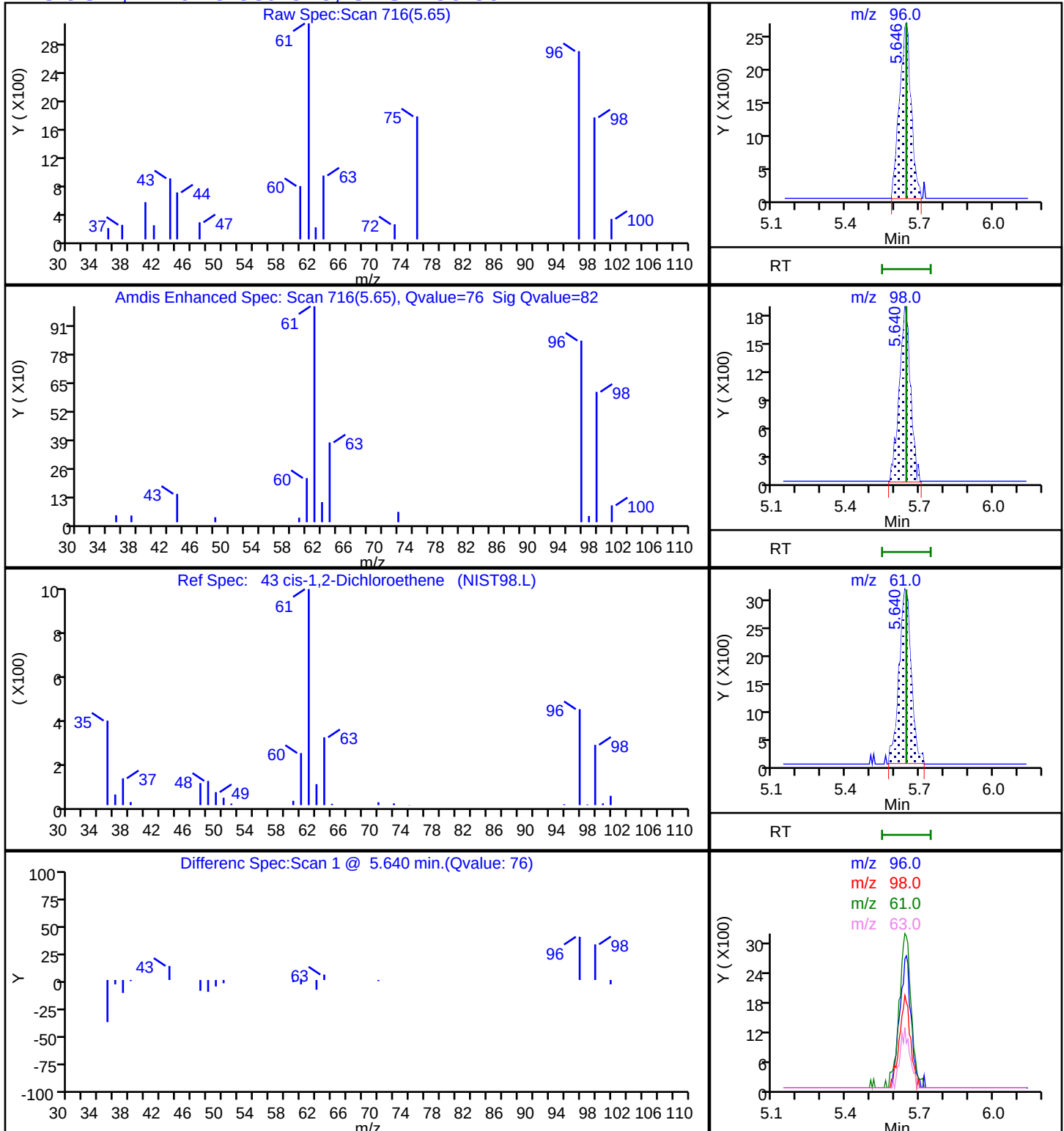
20 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X19.D
Injection Date: 08-Jul-2024 18:03:30 Instrument ID: 10193
Lims ID: 410-177855-A-11 Lab Sample ID: 410-177855-11
Client ID: HD-COD-SW-28-0/1-0
Operator ID: knk41612 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) MS Quad

50 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X19.D
Injection Date: 08-Jul-2024 18:03:30 Instrument ID: 10193
Lims ID: 410-177855-A-11 Lab Sample ID: 410-177855-11
Client ID: HD-COD-SW-28-0/1-0
Operator ID: knk41612 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X19.D

Injection Date: 08-Jul-2024 18:03:30

Instrument ID: 10193

Lims ID: 410-177855-A-11

Lab Sample ID: 410-177855-11

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

Operator ID: knk41612

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

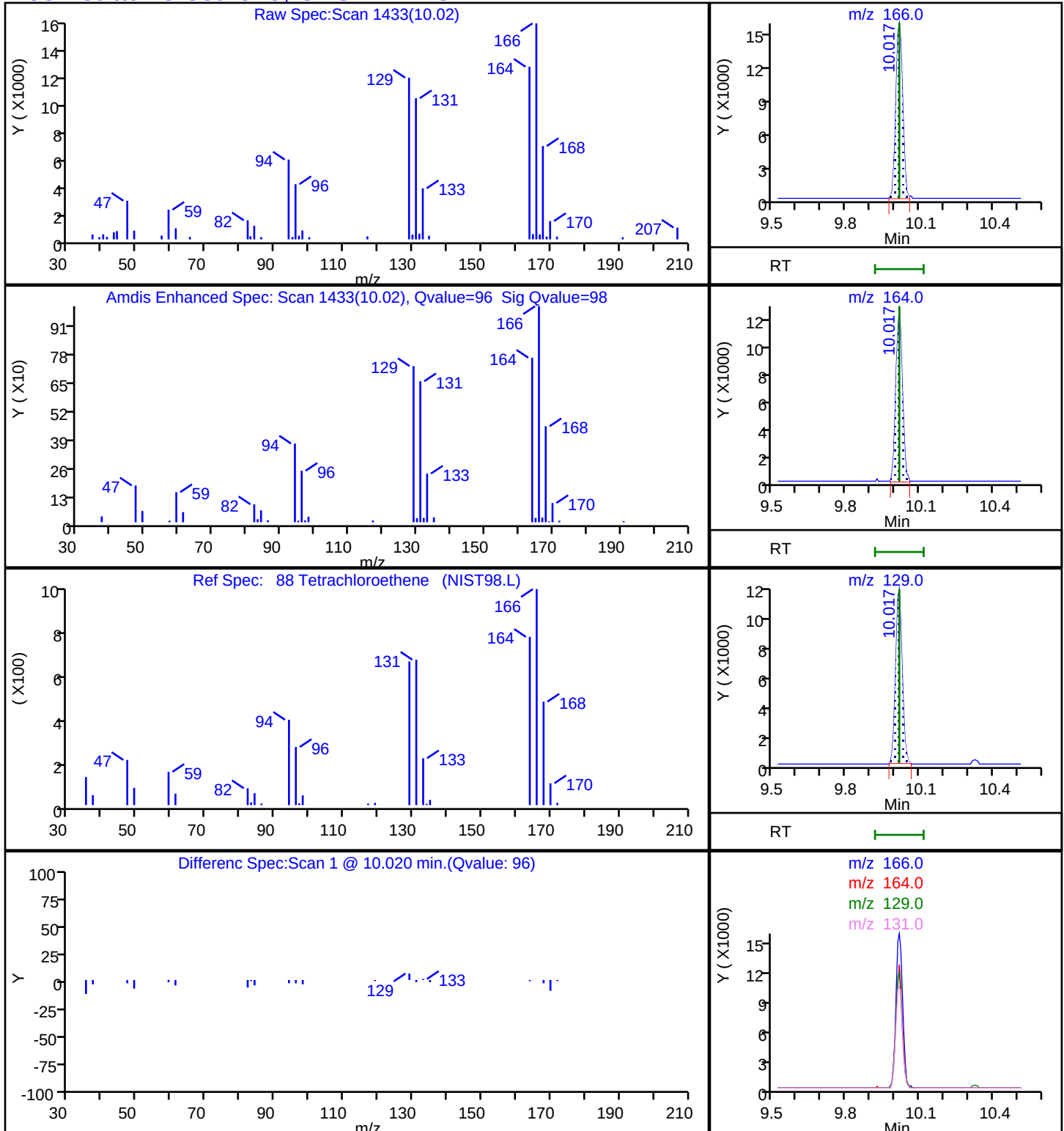
Dil. Factor: 1.0000

Method: MSV_10193_25mL

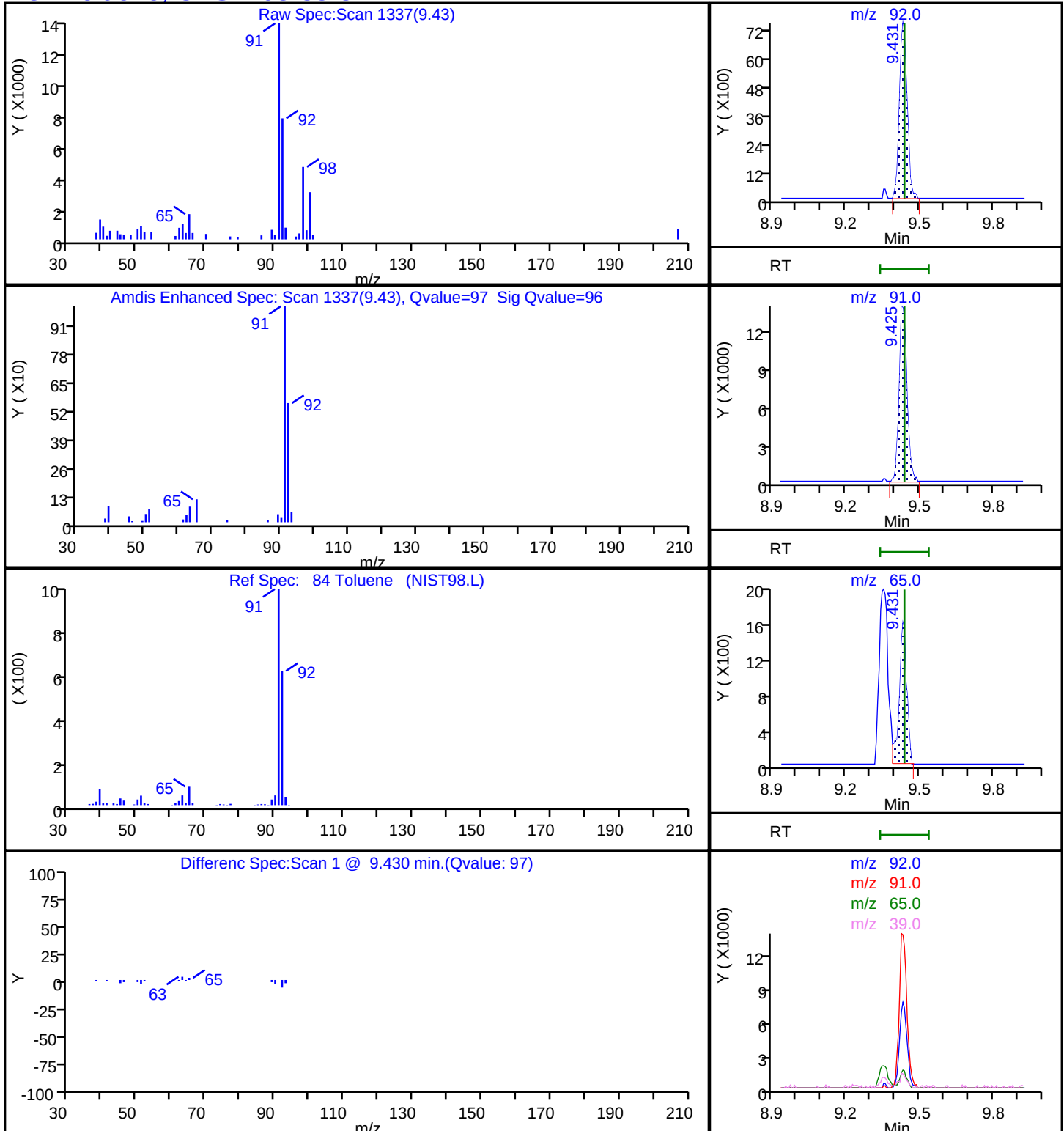
Limit Group: MSV - 8260C_D

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

MS Quad

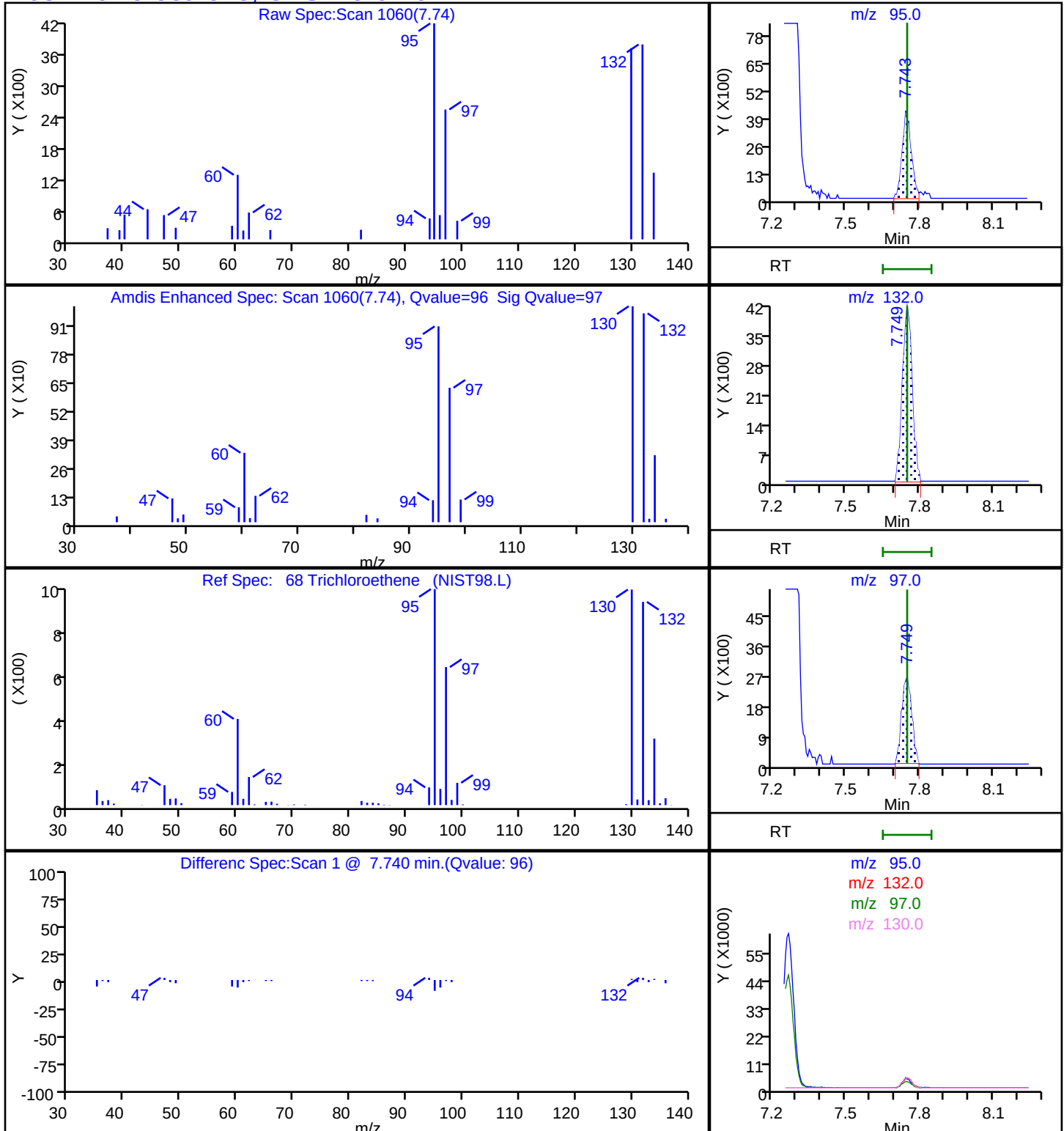
88 Tetrachloroethene, CAS: 127-18-4

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X19.D
Injection Date: 08-Jul-2024 18:03:30 Instrument ID: 10193
Lims ID: 410-177855-A-11 Lab Sample ID: 410-177855-11
Client ID: HD-COD-SW-28-0/1-0
Operator ID: knk41612 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) MS Quad

84 Toluene, CAS: 108-88-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X19.D
Injection Date: 08-Jul-2024 18:03:30 Instrument ID: 10193
Lims ID: 410-177855-A-11 Lab Sample ID: 410-177855-11
Client ID: HD-COD-SW-28-0/1-0
Operator ID: knk41612 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

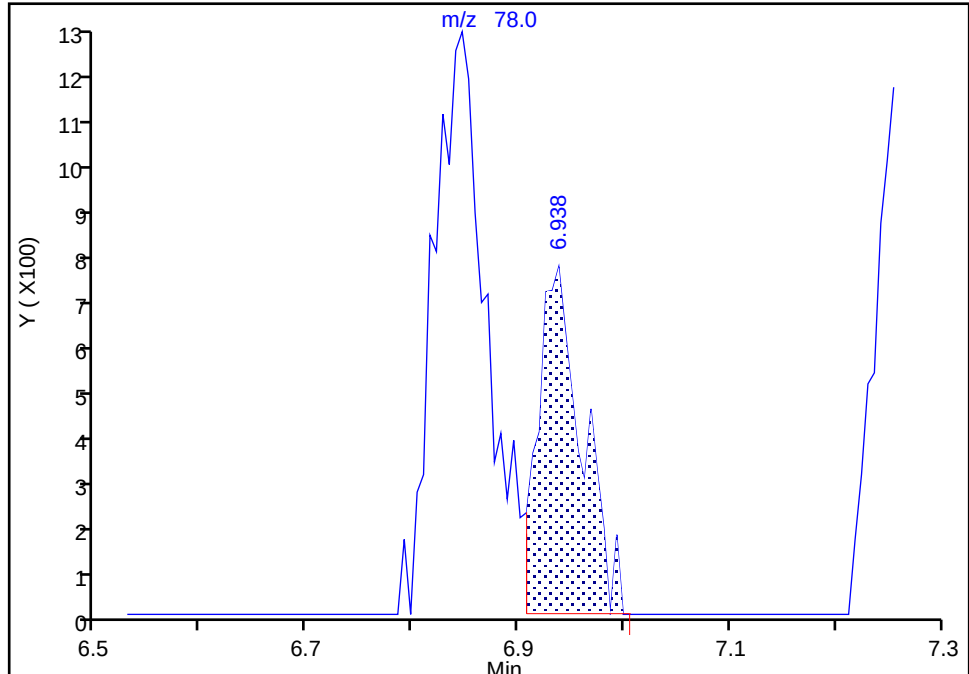
Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X19.D
Injection Date: 08-Jul-2024 18:03:30 Instrument ID: 10193
Lims ID: 410-177855-A-11 Lab Sample ID: 410-177855-11
Client ID: HD-COD-SW-28-0/1-0
Operator ID: knk41612 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

60 Benzene, CAS: 71-43-2

Signal: 1

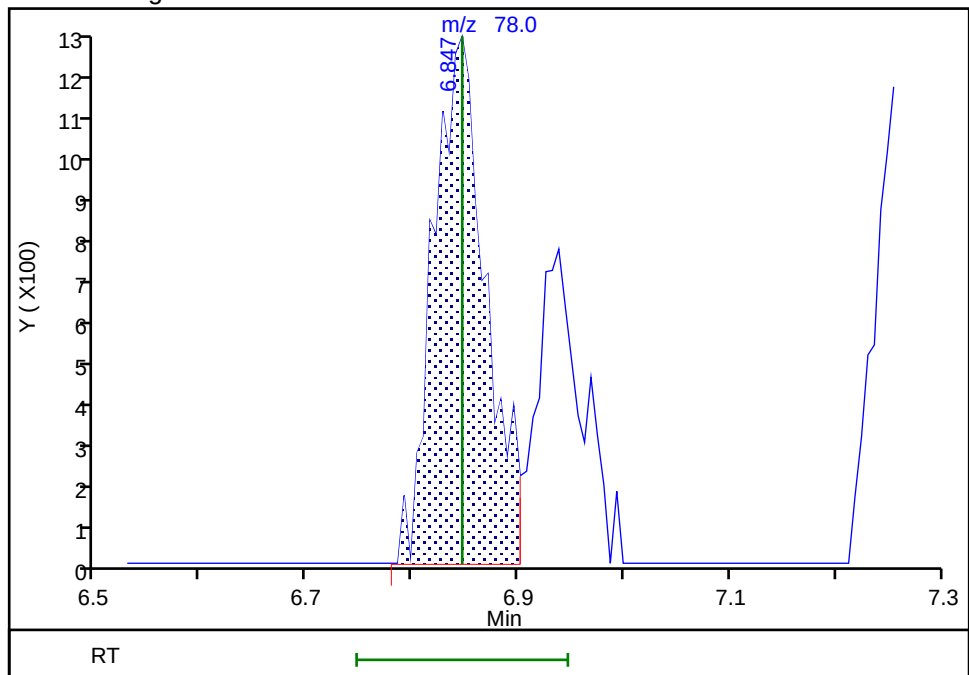
RT: 6.94
Area: 2181
Amount: 0.009080
Amount Units: ug/l

Processing Integration Results



RT: 6.85
Area: 4319
Amount: 0.017981
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 09-Jul-2024 11:49:52 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-12

Matrix: Water

Lab File ID: CL08X20.D

Analysis Method: 8260D

Date Collected: 06/26/2024 07:15

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 18:25

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.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	2.2	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.16	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.47	J	0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-29-0/1-0 Lab Sample ID: 410-177855-12

Matrix: Water Lab File ID: CL08X20.D

Analysis Method: 8260D Date Collected: 06/26/2024 07:15

Sample wt/vol: 25 (mL) Date Analyzed: 07/08/2024 18:25

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.: 525536 Units: ug/L

Preparation Batch No.: _____ Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		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\10193\20240708-118704.b\CL08X20.D
 Lims ID: 410-177855-A-12
 Client ID: HD-COD-SW-29-0/1-0
 Sample Type: Client
 Inject. Date: 08-Jul-2024 18:25:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-021
 Misc. Info.: 410-177855-A-12
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 11:50:12 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:52:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.988				ND	7
6 Vinyl chloride	62		2.085				ND	7
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.189				ND	7
20 Acetone	43	3.219	3.213	0.006	97	16971	2.20	
25 Carbon disulfide	76		3.457				ND	7
30 Methylene Chloride	84		3.780				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.798	3.798	0.000	96	155591	50.0	
34 Methyl tert-butyl ether	73		4.140				ND	
35 trans-1,2-Dichloroethene	96		4.146				ND	
37 1,1-Dichloroethane	63		4.798				ND	7
42 2-Butanone (MEK)	43	5.609	5.609	0.000	43	5899	0.4166	
43 cis-1,2-Dichloroethene	96	5.633	5.646	-0.013	78	10644	0.1592	
48 Chlorobromomethane	128		5.981				ND	
50 Chloroform	83	6.139	6.139	0.000	91	8480	0.0783	
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	94	538646	10.2	
53 1,1,1-Trichloroethane	97		6.365				ND	
56 Carbon tetrachloride	117		6.572				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.822	6.816	0.006	99	108496	10.0	
60 Benzene	78		6.847				ND	7
61 1,2-Dichloroethane	62		6.920				ND	
* 65 Fluorobenzene (IS)	96	7.261	7.267	-0.006	99	2179948	10.0	
68 Trichloroethene	95	7.749	7.749	0.000	93	11214	0.1675	
70 1,2-Dichloropropane	63		8.090				ND	
76 Dichlorobromomethane	83		8.450				ND	7
80 cis-1,3-Dichloropropene	75		9.023				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.224				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2201185	10.0	
84 Toluene	92	9.432	9.438	-0.006	99	7918	0.0487	
85 trans-1,3-Dichloropropene	75		9.724				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.937				ND	
88 Tetrachloroethene	166	10.017	10.017	0.000	96	38034	0.4711	
106 2-Hexanone	43		10.175				ND	7
108 Chlorodibromomethane	129		10.328				ND	
110 Ethylene Dibromide	107		10.437				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1711424	10.0	
113 Chlorobenzene	112		10.925				ND	
114 1,1,1,2-Tetrachloroethane	131		11.010				ND	
115 Ethylbenzene	91		11.017				ND	7
116 m-Xylene & p-Xylene	106		11.138				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.480				ND	7
119 Styrene	104		11.498				ND	7
120 Bromoform	173		11.651				ND	7
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	96	774084	9.39	
126 1,1,2,2-Tetrachloroethane	83		12.053				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	93	951153	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 09-Jul-2024 11:52:02

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X20.D

Injection Date: 08-Jul-2024 18:25:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-177855-A-12

Lab Sample ID: 410-177855-12

Worklist Smp#: 21

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

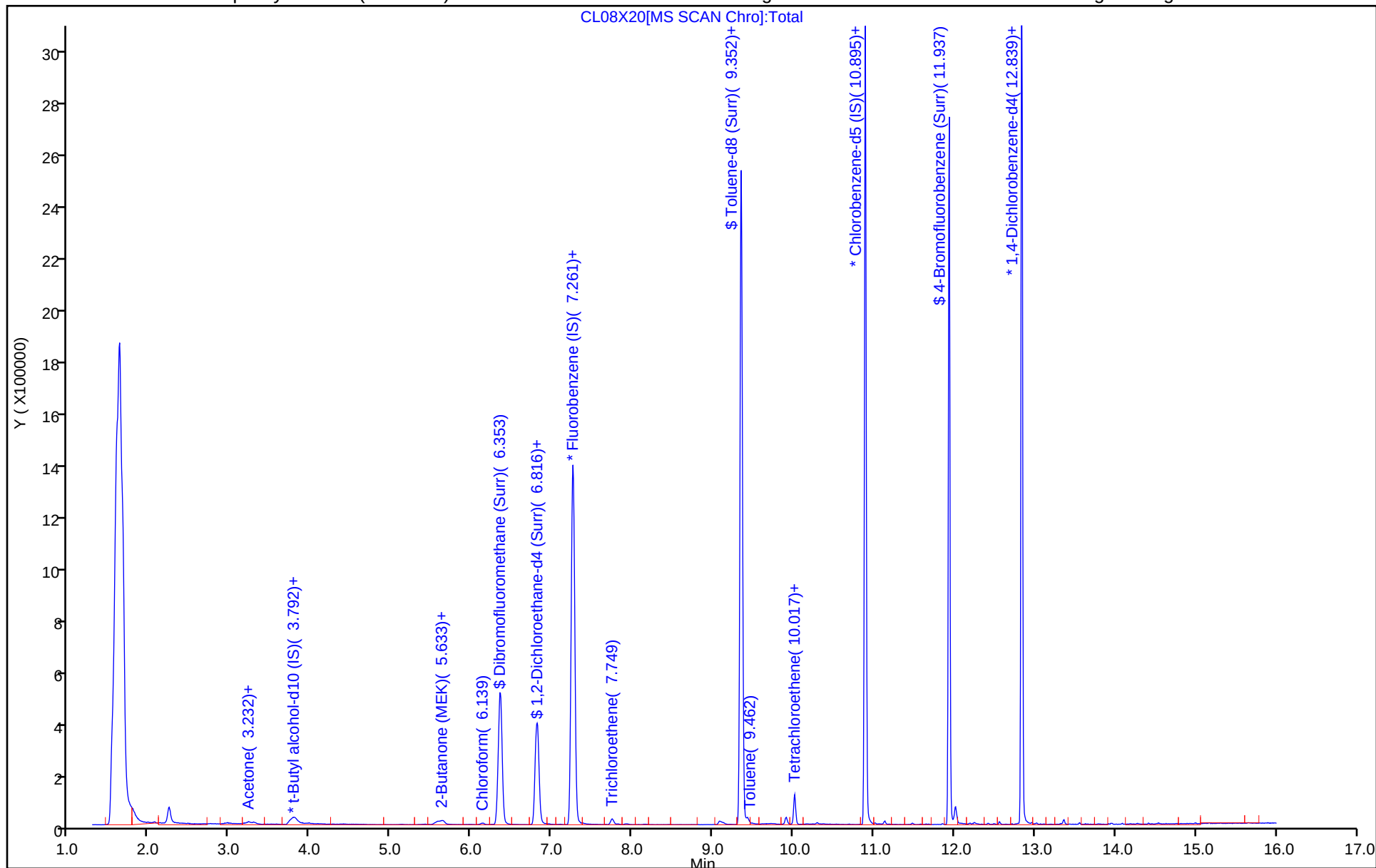
ALS Bottle#: 20

Method: MSV_10193_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\10193\20240708-118704.b\CL08X20.D
Lims ID: 410-177855-A-12
Client ID: HD-COD-SW-29-0/1-0
Sample Type: Client
Inject. Date: 08-Jul-2024 18:25:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-021
Misc. Info.: 410-177855-A-12
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 11:50:12 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

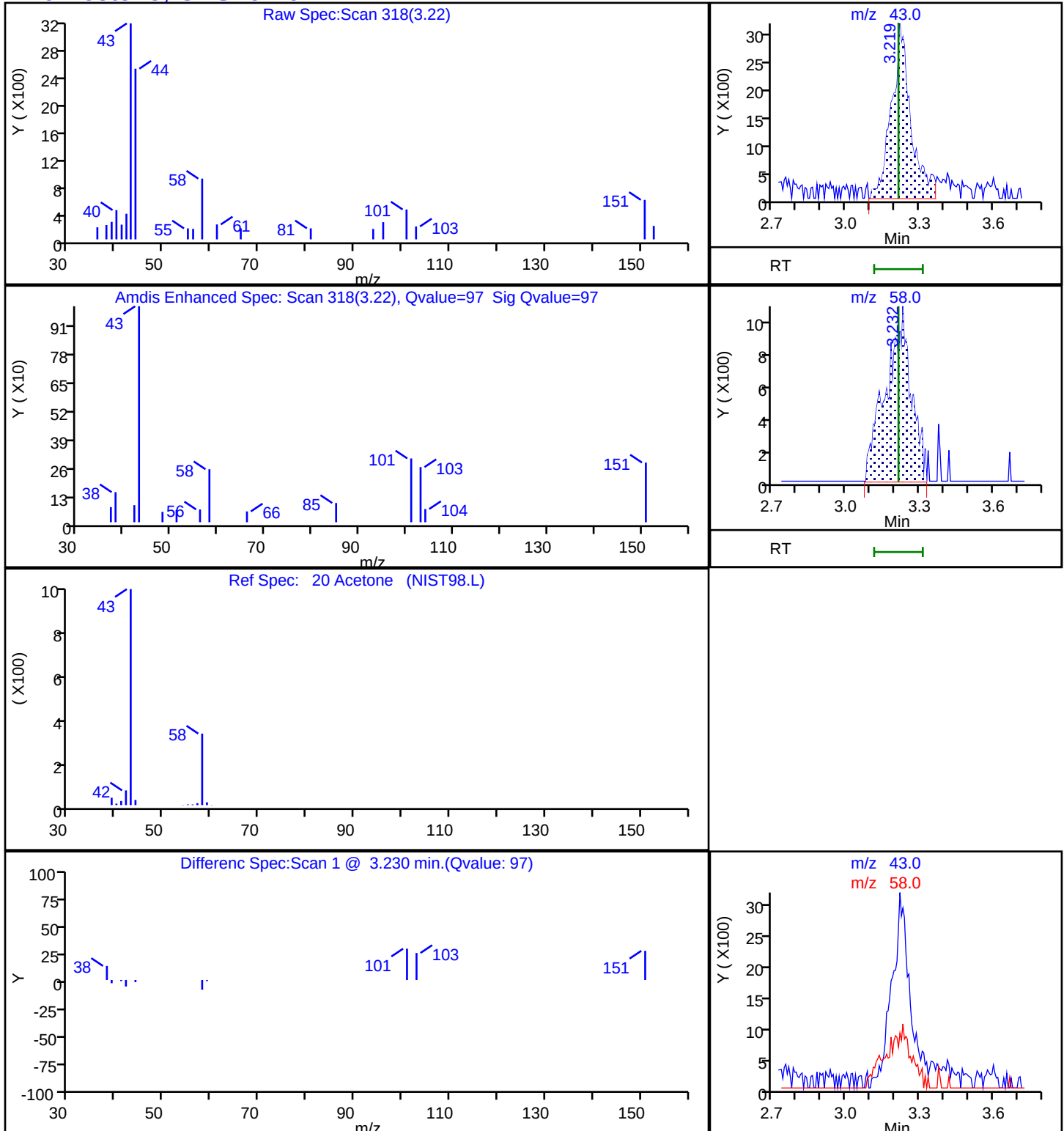
First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:52:02

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.2	102.03
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.46
\$ 83 Toluene-d8 (Surr)	10.0	10.0	100.38
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.39	93.91

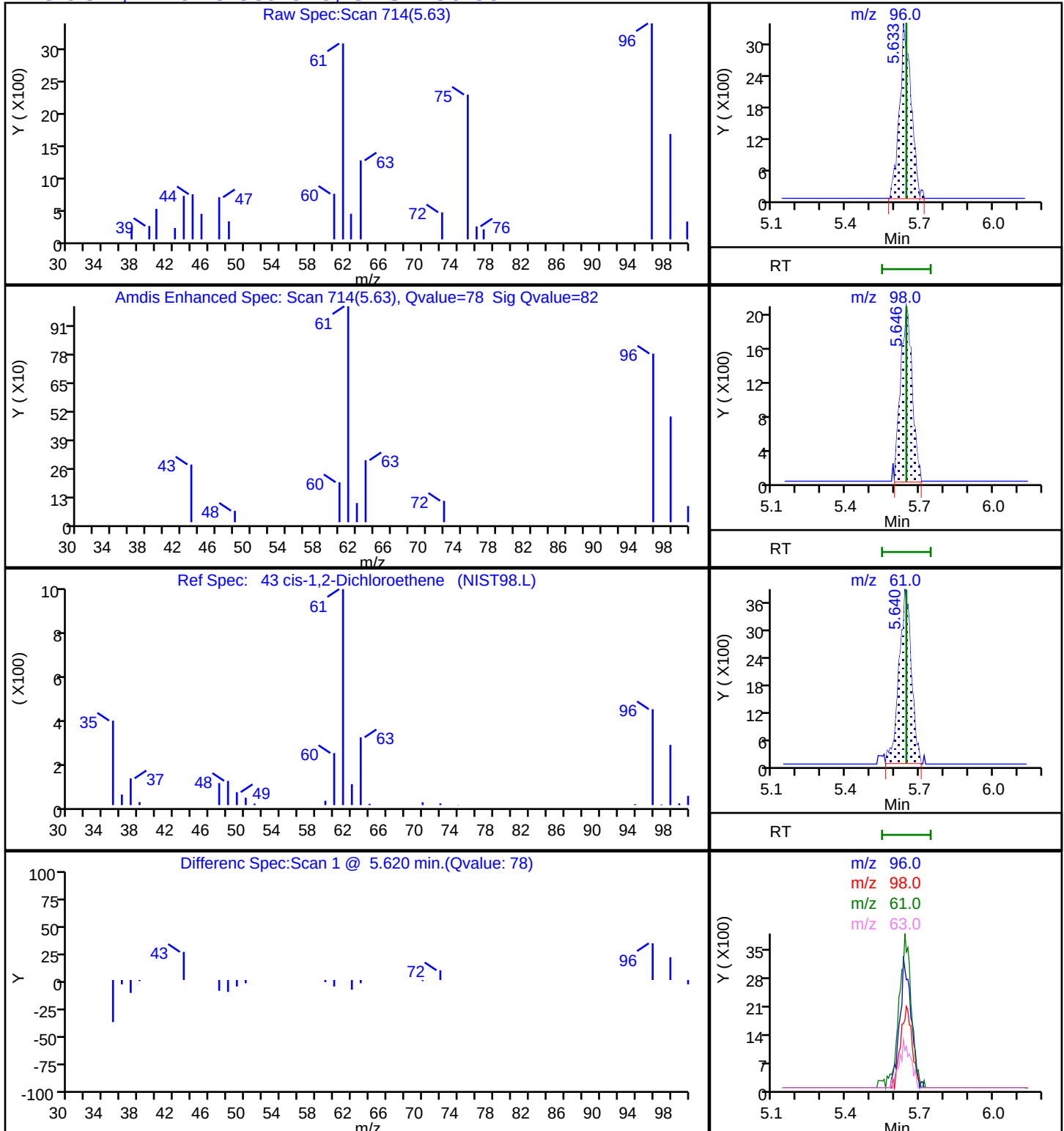
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X20.D
Injection Date: 08-Jul-2024 18:25:30 Instrument ID: 10193
Lims ID: 410-177855-A-12 Lab Sample ID: 410-177855-12
Client ID: HD-COD-SW-29-0/1-0
Operator ID: knk41612 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

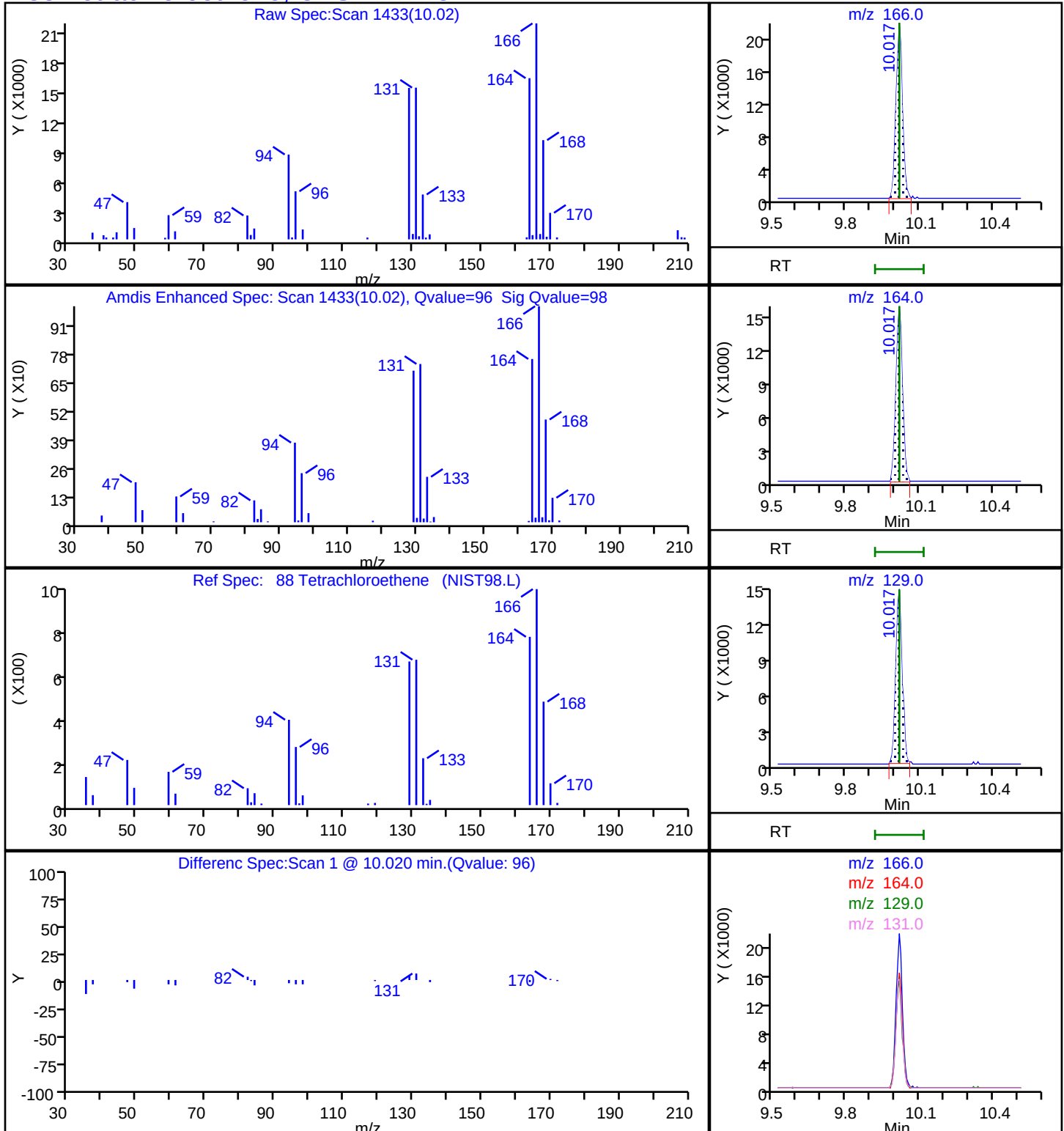
20 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X20.D
Injection Date: 08-Jul-2024 18:25:30 Instrument ID: 10193
Lims ID: 410-177855-A-12 Lab Sample ID: 410-177855-12
Client ID: HD-COD-SW-29-0/1-0
Operator ID: knk41612 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

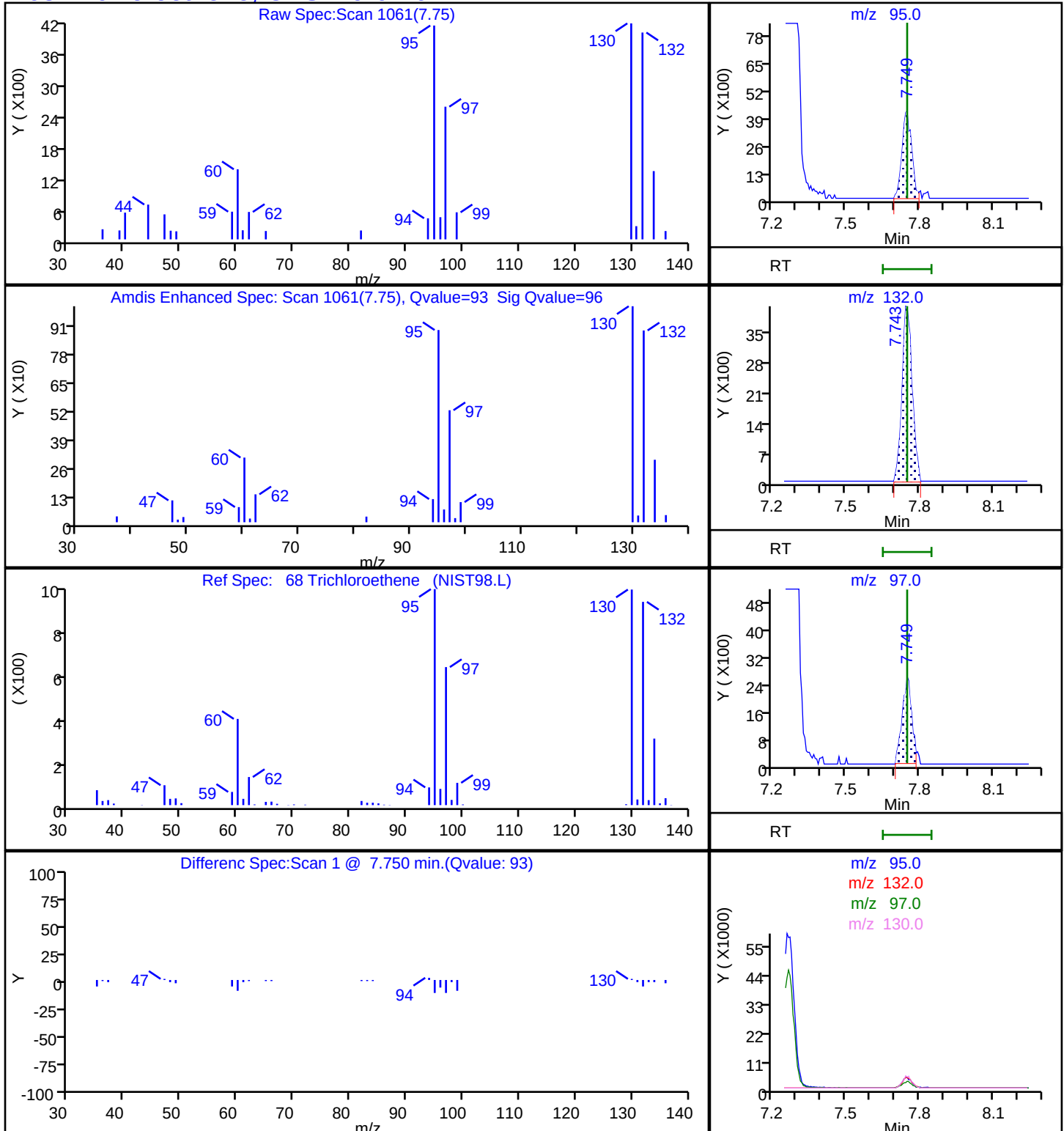
43 cis-1,2-Dichloroethene, CAS: 156-59-2

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X20.D
Injection Date: 08-Jul-2024 18:25:30 Instrument ID: 10193
Lims ID: 410-177855-A-12 Lab Sample ID: 410-177855-12
Client ID: HD-COD-SW-29-0/1-0
Operator ID: knk41612 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

88 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X20.D
Injection Date: 08-Jul-2024 18:25:30 Instrument ID: 10193
Lims ID: 410-177855-A-12 Lab Sample ID: 410-177855-12
Client ID: HD-COD-SW-29-0/1-0
Operator ID: knk41612 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

68 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-13

Matrix: Water

Lab File ID: CL08X21.D

Analysis Method: 8260D

Date Collected: 06/26/2024 09:00

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 18:48

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	9.1		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	1.6		0.50	0.10
75-35-4	1,1-Dichloroethene	0.69		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.19	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	2.0		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-177855-1
SDG No.:	
Client Sample ID: HD-QC1-0/1-1	Lab Sample ID: 410-177855-13
Matrix: Water	Lab File ID: CL08X21.D
Analysis Method: 8260D	Date Collected: 06/26/2024 09:00
Sample wt/vol: 25 (mL)	Date Analyzed: 07/08/2024 18:48
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: R-624SilMS 30m ID: 0.25 (mm)
Purge Volume: 25.0 (mL)	Heated Purge: (Y/N) N pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 525536	Units: ug/L
Preparation Batch No.:	Instrument ID: Agilent GC/MS - HP25

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	3.2		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		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\10193\20240708-118704.b\CL08X21.D
 Lims ID: 410-177855-A-13
 Client ID: HD-QC1-0/1-1
 Sample Type: Client
 Inject. Date: 08-Jul-2024 18:48:30 ALS Bottle#: 21 Worklist Smp#: 22
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-022
 Misc. Info.: 410-177855-A-13
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 11:53:04 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:53:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.988				ND	
6 Vinyl chloride	62		2.085				ND	7
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96	3.183	3.189	-0.006	97	33880	0.6896	
20 Acetone	43	3.232	3.213	0.019	28	3681	0.4866	
25 Carbon disulfide	76		3.457				ND	7
30 Methylene Chloride	84		3.780				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.793	3.798	-0.006	96	152535	50.0	
34 Methyl tert-butyl ether	73	4.128	4.140	-0.012	78	4261	0.0284	
35 trans-1,2-Dichloroethene	96	4.146	4.146	0.000	90	2536	0.0433	a
37 1,1-Dichloroethane	63	4.792	4.798	-0.006	96	164250	1.63	
42 2-Butanone (MEK)	43		5.609				ND	7
43 cis-1,2-Dichloroethene	96	5.640	5.646	-0.006	78	132841	2.02	
48 Chlorobromomethane	128		5.981				ND	
50 Chloroform	83	6.140	6.139	0.001	91	20665	0.1937	
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	94	535256	10.3	
53 1,1,1-Trichloroethane	97	6.365	6.365	0.000	98	813849	9.13	
56 Carbon tetrachloride	117	6.572	6.572	0.000	66	3166	0.0392	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.816	0.000	98	109929	10.3	
60 Benzene	78		6.847				ND	7
61 1,2-Dichloroethane	62		6.920				ND	
* 65 Fluorobenzene (IS)	96	7.261	7.267	-0.006	99	2147351	10.0	
68 Trichloroethene	95	7.749	7.749	0.000	96	211915	3.21	
70 1,2-Dichloropropane	63		8.090				ND	
76 Dichlorobromomethane	83		8.450				ND	
80 cis-1,3-Dichloropropene	75		9.023				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.224				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2158352	9.75	
84 Toluene	92		9.438				ND	7
85 trans-1,3-Dichloropropene	75		9.724				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97	9.944	9.937	0.007	68	1300	0.0274	
88 Tetrachloroethene	166	10.017	10.017	0.000	96	11728640	143.9	E
106 2-Hexanone	43		10.175				ND	7
108 Chlorodibromomethane	129		10.328				ND	
110 Ethylene Dibromide	107		10.437				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1728294	10.0	
113 Chlorobenzene	112	10.919	10.925	-0.006	94	2997	0.0153	a
114 1,1,1,2-Tetrachloroethane	131		11.010				ND	7
115 Ethylbenzene	91		11.017				ND	7
116 m-Xylene & p-Xylene	106		11.138				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.480				ND	7
119 Styrene	104		11.498				ND	7
120 Bromoform	173		11.651				ND	7
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	97	773528	9.29	
126 1,1,2,2-Tetrachloroethane	83		12.053				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.840	12.839	0.001	93	942690	10.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 09-Jul-2024 11:53:05

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X21.D

Injection Date: 08-Jul-2024 18:48:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-177855-A-13

Lab Sample ID: 410-177855-13

Worklist Smp#: 22

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

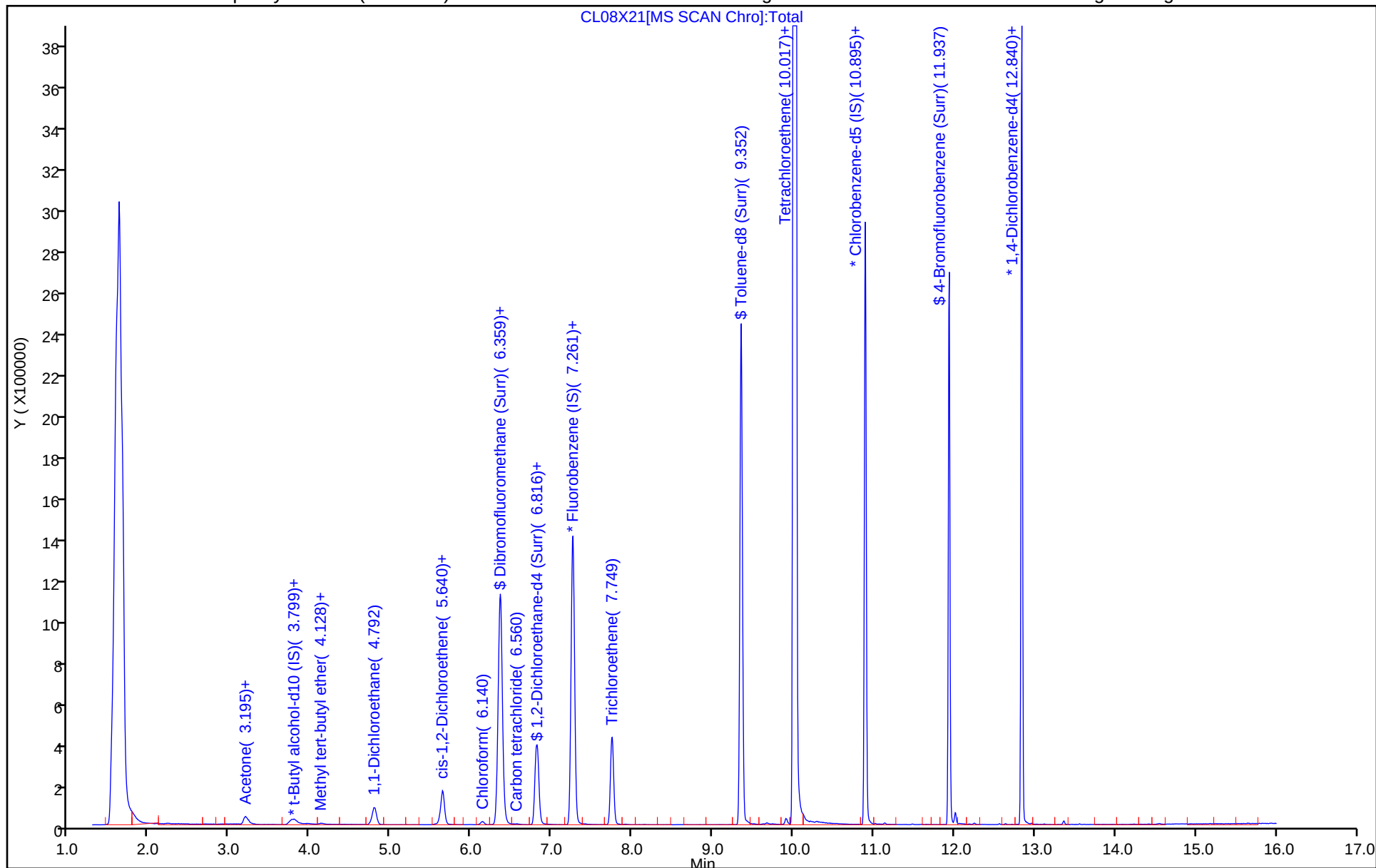
ALS Bottle#: 21

Method: MSV_10193_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

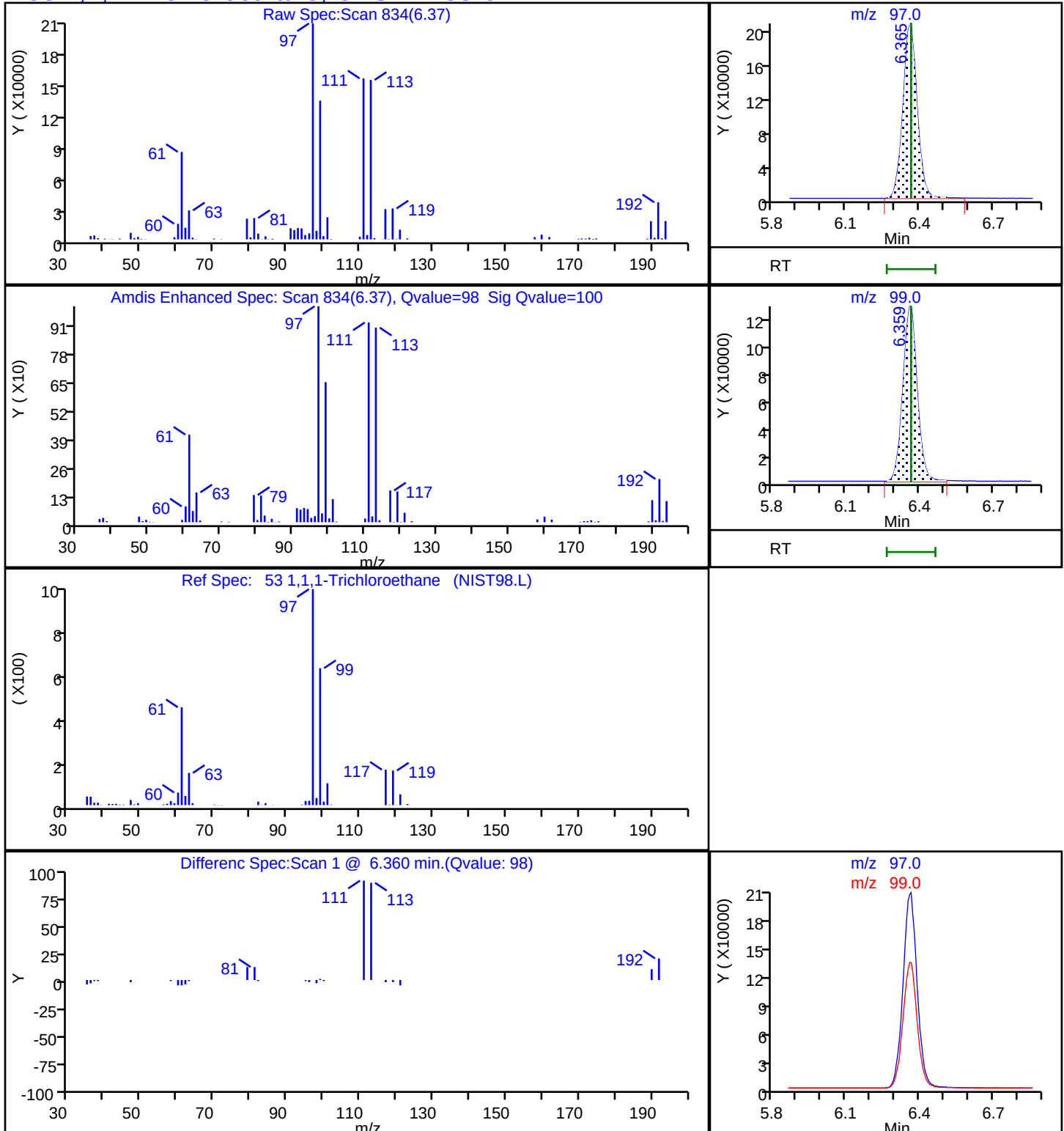
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Lims ID: 410-177855-A-13
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 08-Jul-2024 18:48:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-022
Misc. Info.: 410-177855-A-13
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 11:53:04 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: FQ4L

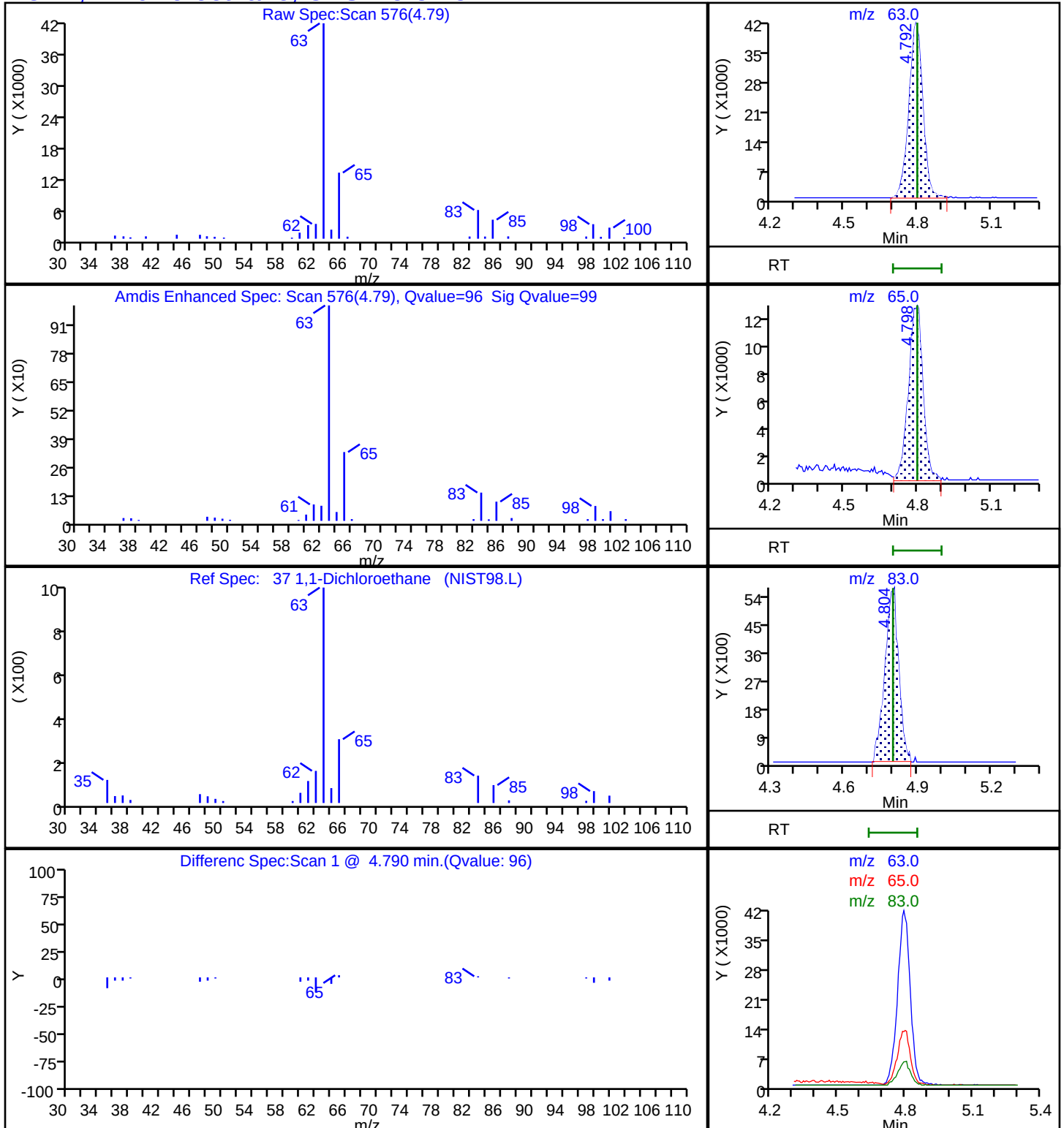
Date: 09-Jul-2024 11:53:04

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.3	102.93
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	103.33
\$ 83 Toluene-d8 (Surr)	10.0	9.75	97.47
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.29	92.92

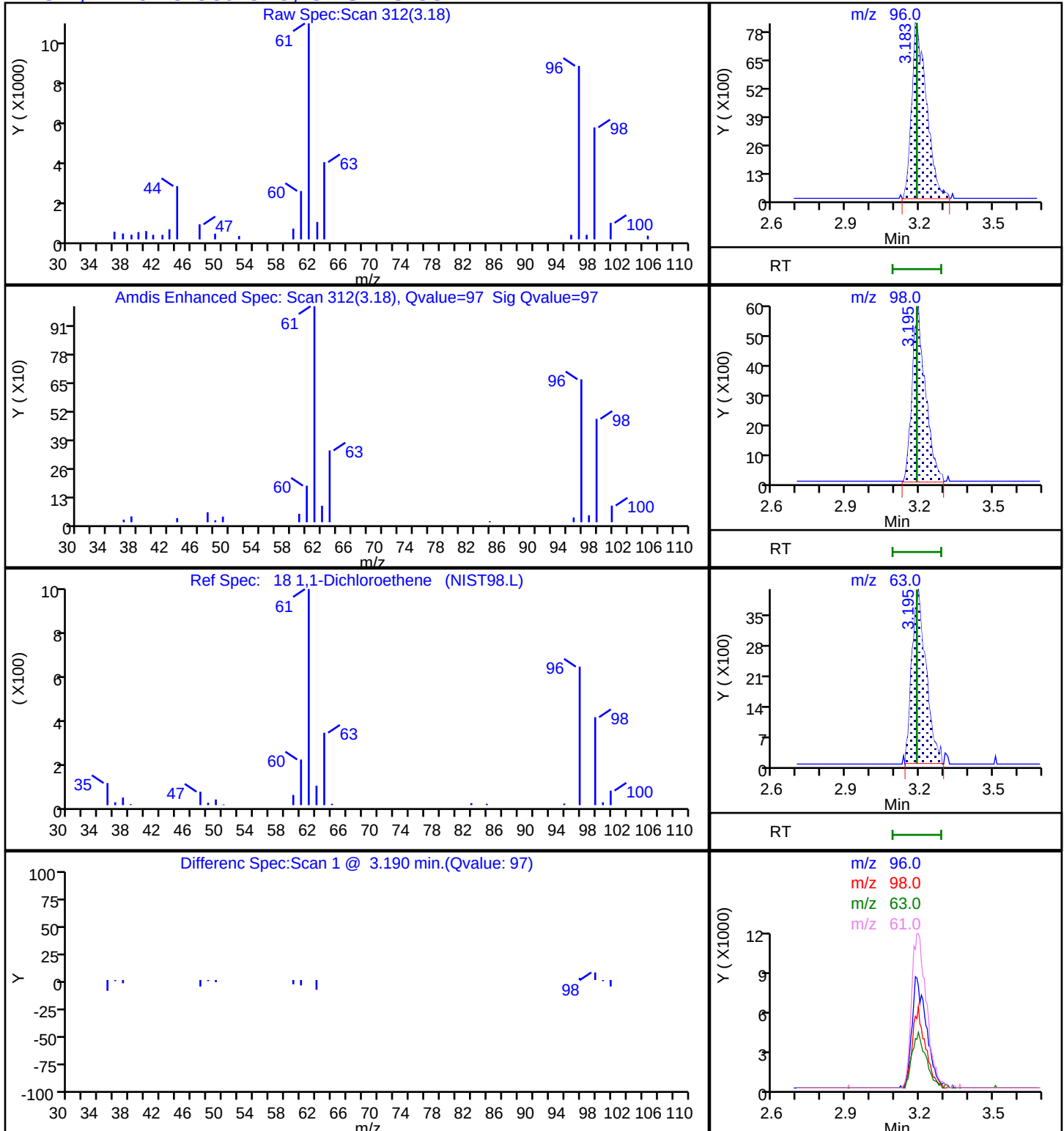
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Injection Date: 08-Jul-2024 18:48:30 Instrument ID: 10193
Lims ID: 410-177855-A-13 Lab Sample ID: 410-177855-13
Client ID: HD-QC1-0/1-1
Operator ID: knk41612 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

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

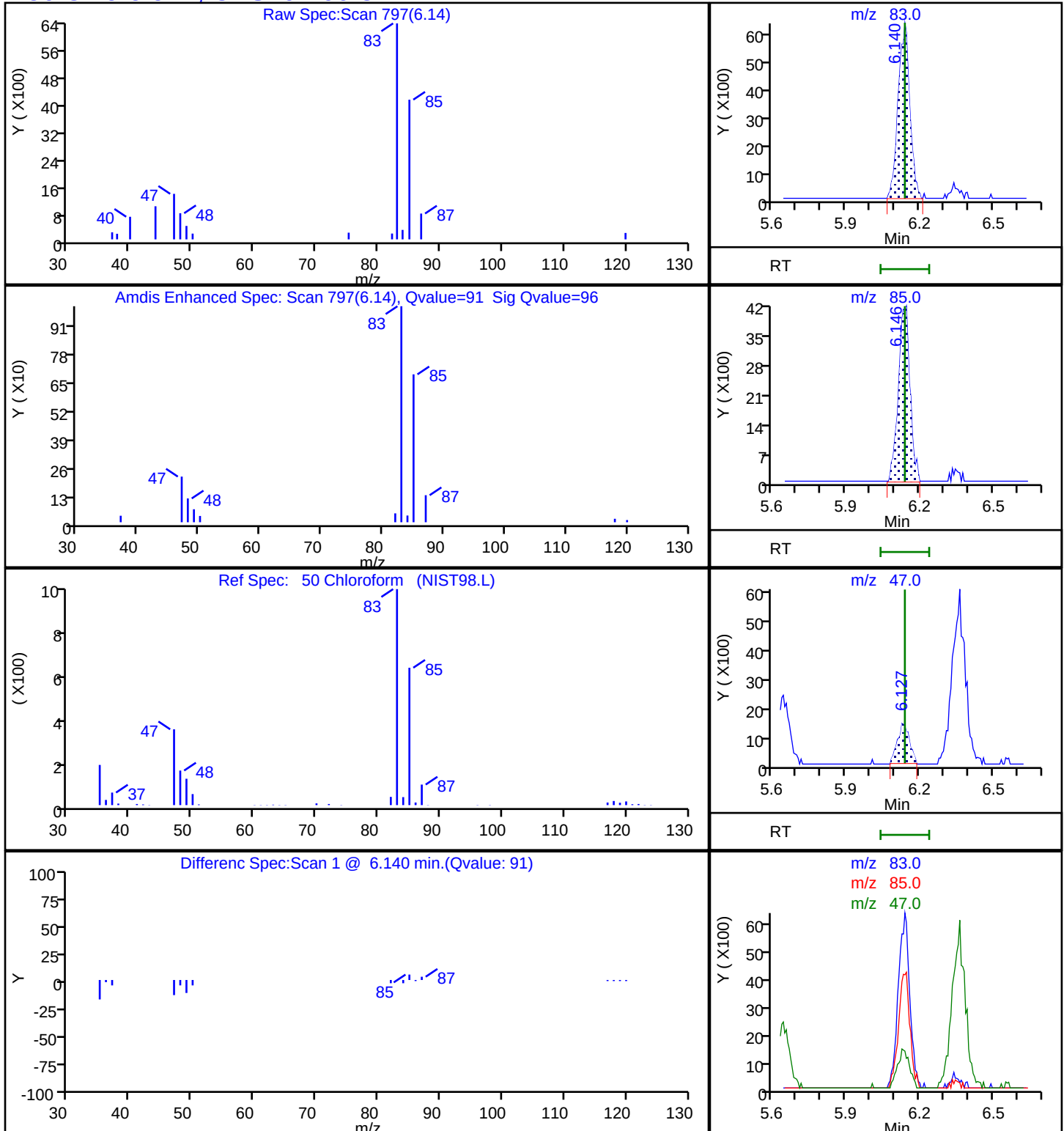
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Injection Date: 08-Jul-2024 18:48:30 Instrument ID: 10193
Lims ID: 410-177855-A-13 Lab Sample ID: 410-177855-13
Client ID: HD-QC1-0/1-1
Operator ID: knk41612 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

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

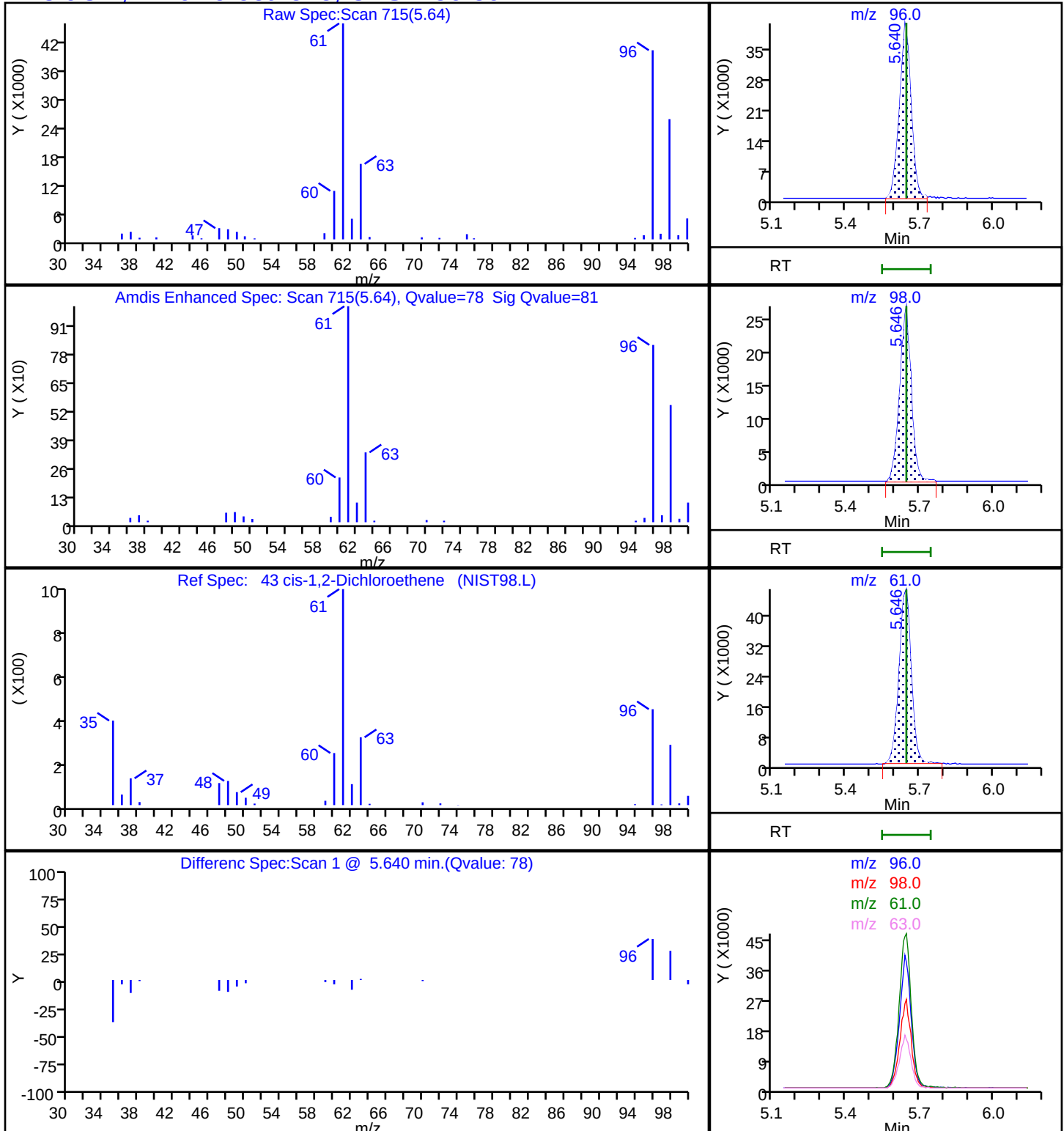
Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X21.D
Injection Date: 08-Jul-2024 18:48:30 Instrument ID: 10193
Lims ID: 410-177855-A-13 Lab Sample ID: 410-177855-13
Client ID: HD-QC1-0/1-1
Operator ID: knk41612 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

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

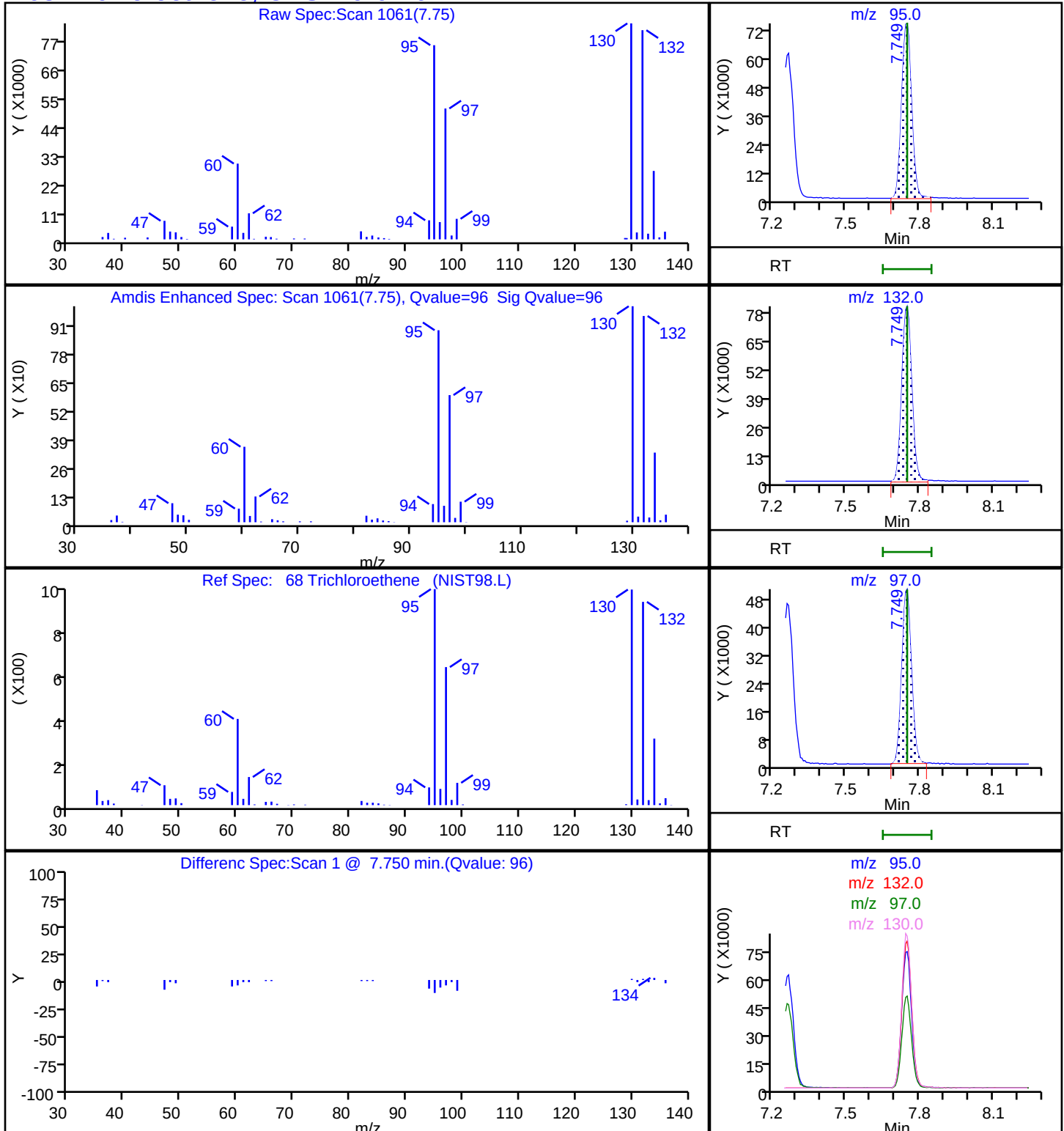
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Injection Date: 08-Jul-2024 18:48:30 Instrument ID: 10193
Lims ID: 410-177855-A-13 Lab Sample ID: 410-177855-13
Client ID: HD-QC1-0/1-1
Operator ID: knk41612 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

50 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X21.D
Injection Date: 08-Jul-2024 18:48:30 Instrument ID: 10193
Lims ID: 410-177855-A-13 Lab Sample ID: 410-177855-13
Client ID: HD-QC1-0/1-1
Operator ID: knk41612 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X21.D
Injection Date: 08-Jul-2024 18:48:30 Instrument ID: 10193
Lims ID: 410-177855-A-13 Lab Sample ID: 410-177855-13
Client ID: HD-QC1-0/1-1
Operator ID: knk41612 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

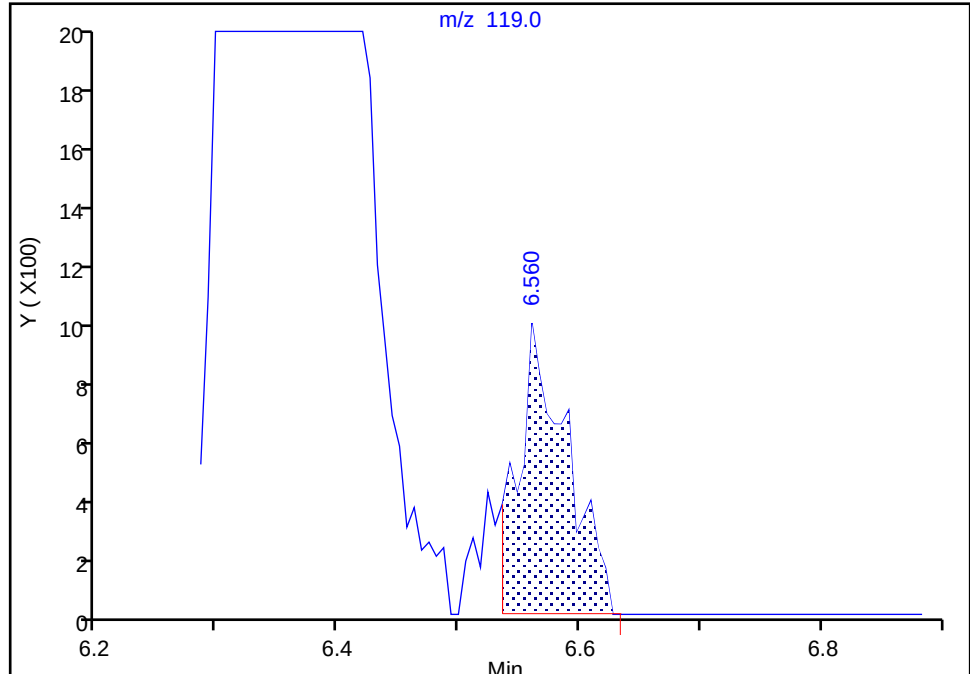
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Injection Date: 08-Jul-2024 18:48:30 Instrument ID: 10193
Lims ID: 410-177855-A-13 Lab Sample ID: 410-177855-13
Client ID: HD-QC1-0/1-1
Operator ID: knk41612 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

56 Carbon tetrachloride, CAS: 56-23-5

Signal: 2

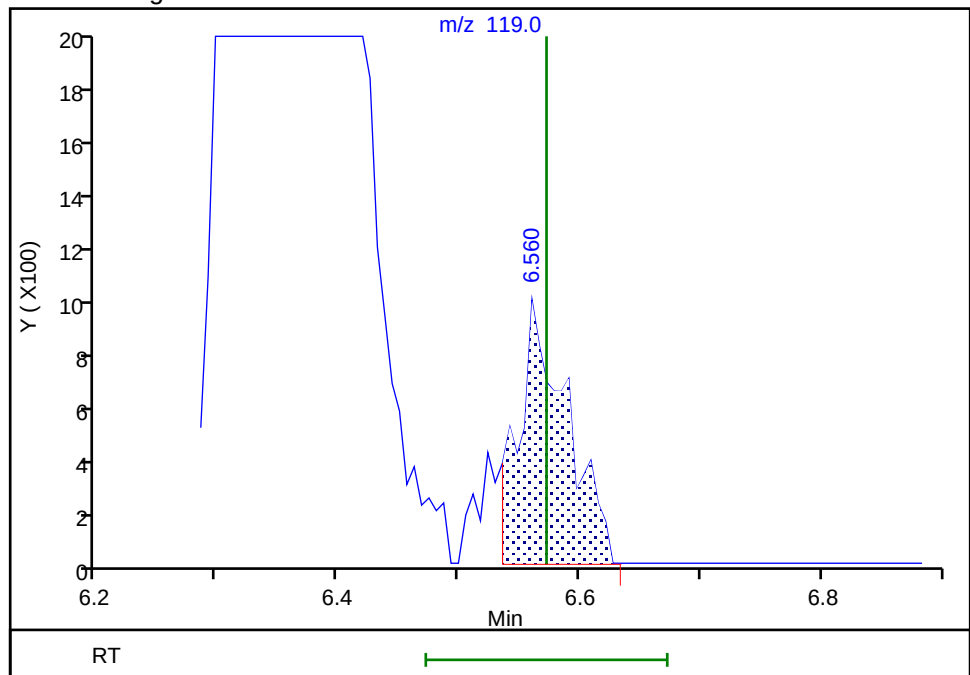
RT: 6.56
Area: 2692
Amount: 0.039221
Amount Units: ug/l

Processing Integration Results



RT: 6.56
Area: 2692
Amount: 0.039221
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 09-Jul-2024 11:52:34 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

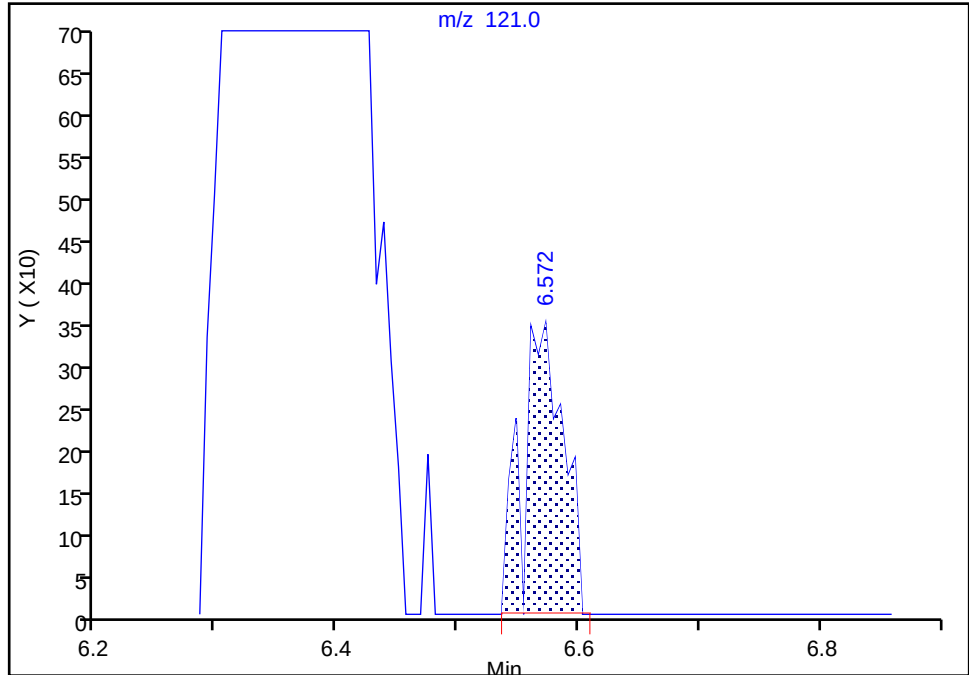
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Injection Date: 08-Jul-2024 18:48:30 Instrument ID: 10193
Lims ID: 410-177855-A-13 Lab Sample ID: 410-177855-13
Client ID: HD-QC1-0/1-1
Operator ID: knk41612 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

56 Carbon tetrachloride, CAS: 56-23-5

Signal: 3

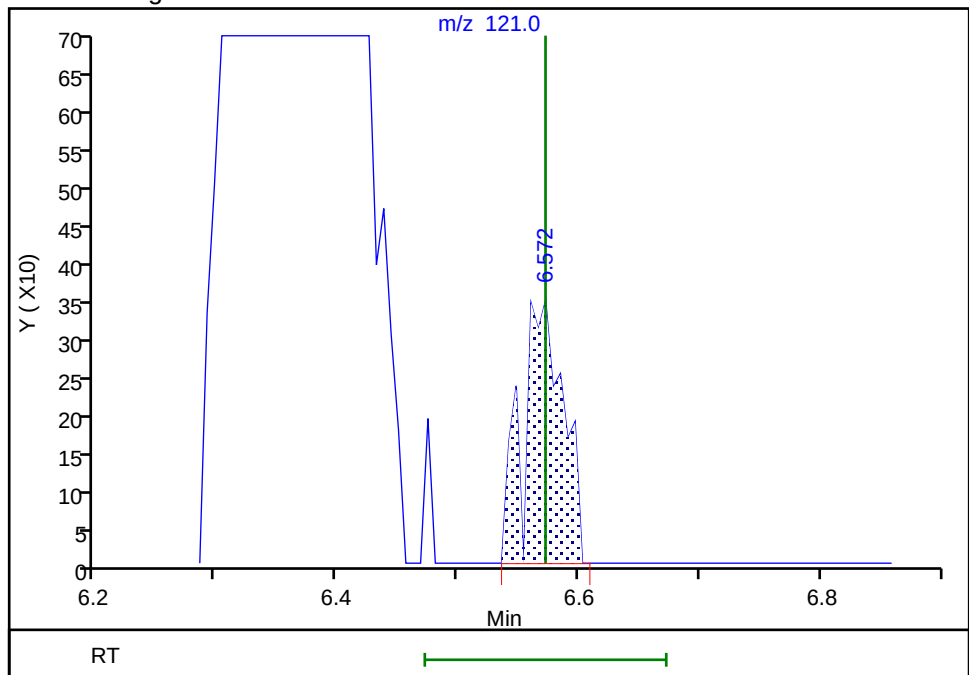
RT: 6.57
Area: 811
Amount: 0.039221
Amount Units: ug/l

Processing Integration Results



RT: 6.57
Area: 811
Amount: 0.039221
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 09-Jul-2024 11:52:34 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

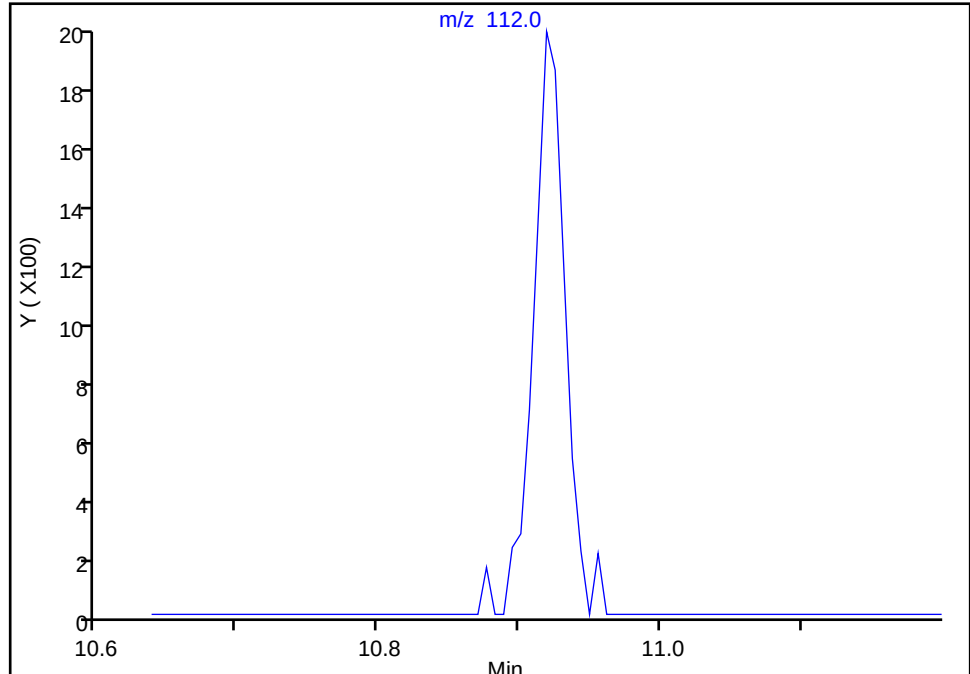
Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X21.D
Injection Date: 08-Jul-2024 18:48:30 Instrument ID: 10193
Lims ID: 410-177855-A-13 Lab Sample ID: 410-177855-13
Client ID: HD-QC1-0/1-1
Operator ID: knk41612 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

113 Chlorobenzene, CAS: 108-90-7

Signal: 1

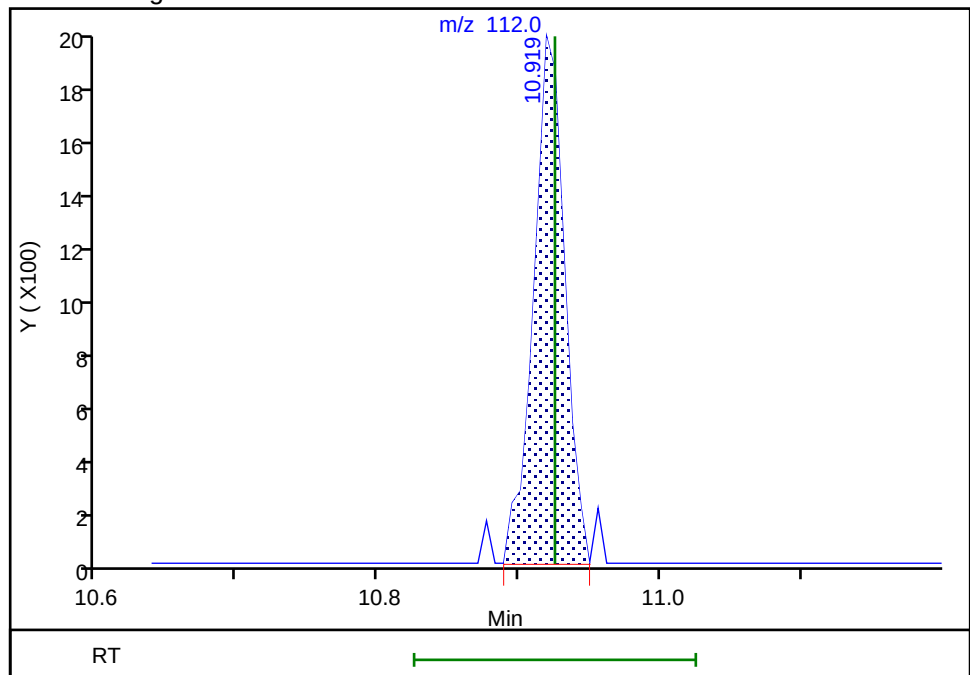
Not Detected
Expected RT: 10.93

Processing Integration Results



RT: 10.92
Area: 2997
Amount: 0.015274
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 09-Jul-2024 11:52:58 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

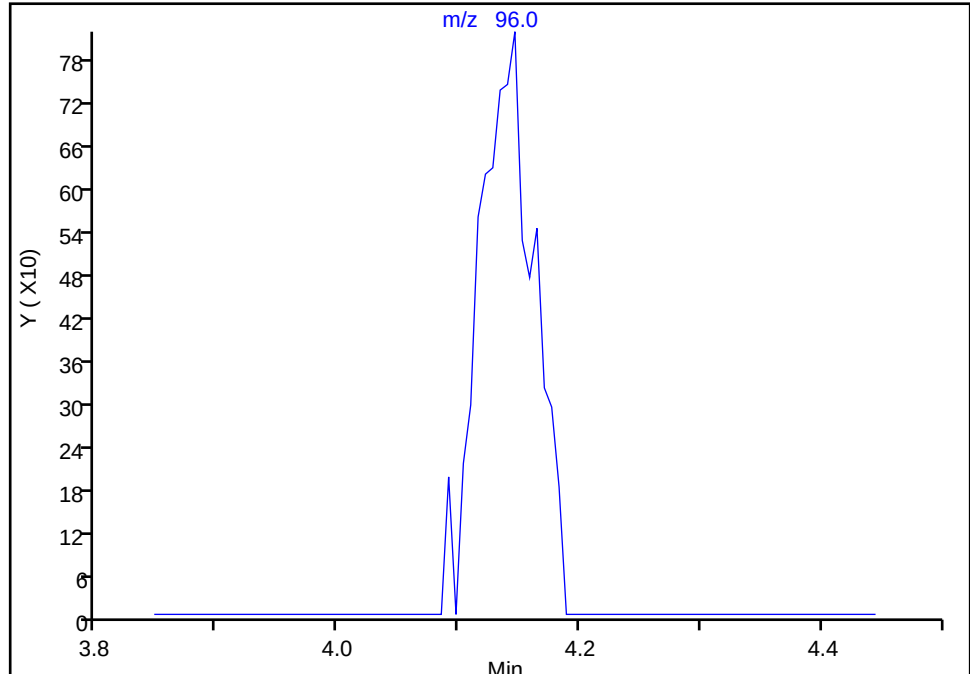
Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X21.D
Injection Date: 08-Jul-2024 18:48:30 Instrument ID: 10193
Lims ID: 410-177855-A-13 Lab Sample ID: 410-177855-13
Client ID: HD-QC1-0/1-1
Operator ID: knk41612 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

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

Signal: 1

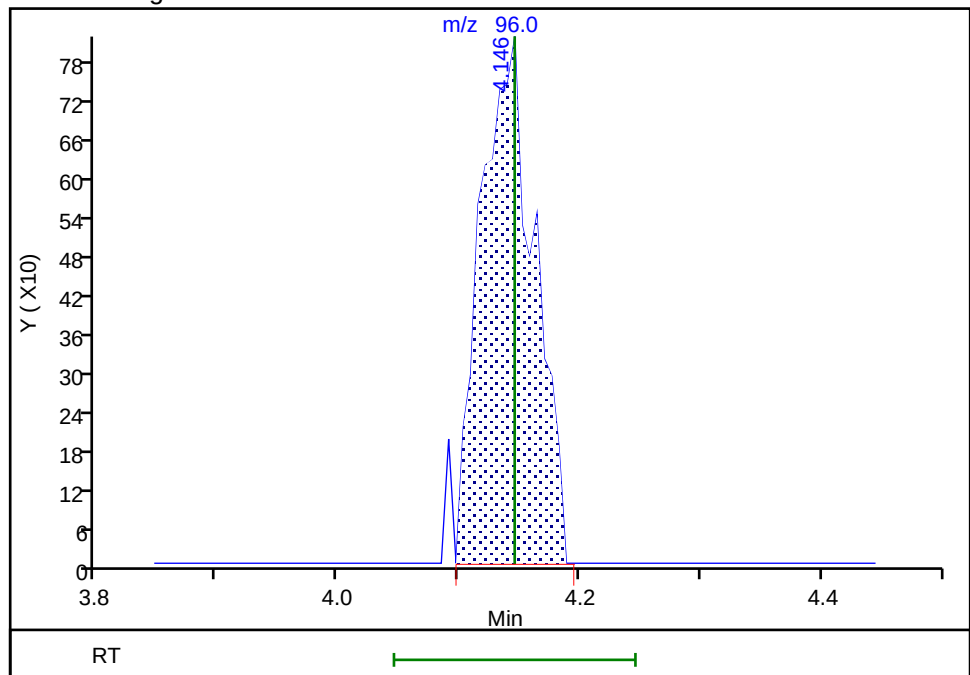
Not Detected
Expected RT: 4.15

Processing Integration Results



RT: 4.15
Area: 2536
Amount: 0.043260
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 09-Jul-2024 11:52:23 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-13 DL

Matrix: Water

Lab File ID: GL09X41.D

Analysis Method: 8260D

Date Collected: 06/26/2024 09:00

Sample wt/vol: 25 (mL)

Date Analyzed: 07/10/2024 00:25

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.: 526240

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP29

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	130		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)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X41.D
 Lims ID: 410-177855-B-13 DL
 Client ID: HD-QC1-0/1-1
 Sample Type: Client
 Inject. Date: 10-Jul-2024 00:25:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 25.000 mL Dil. Factor: 10.0000
 Sample Info: 410-0118882-012
 Operator ID: gaw91131 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Jul-2024 11:58:30 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1646

First Level Reviewer: FQ4L

Date: 10-Jul-2024 11:58:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.050				ND	
6 Vinyl chloride	62		2.154				ND	
9 Bromomethane	94		2.489				ND	
10 Chloroethane	64		2.532				ND	
18 1,1-Dichloroethene	96	3.343	3.318	0.024	23	1482	0.0422	
19 Acetone	43		3.355				ND	
24 Carbon disulfide	76		3.599				ND	7
29 Methylene Chloride	84		3.940				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.989	3.964	0.025	22	85778	50.0	
34 trans-1,2-Dichloroethene	96		4.324				ND	
33 Methyl tert-butyl ether	73		4.330				ND	
37 1,1-Dichloroethane	63	4.995	4.989	0.006	94	11794	0.1498	
41 2-Butanone (MEK)	43		5.824				ND	
42 cis-1,2-Dichloroethene	96	5.848	5.836	0.012	80	9158	0.1954	
49 Chlorobromomethane	128		6.165				ND	
51 Chloroform	83	6.330	6.318	0.012	84	3252	0.0410	
\$ 52 Dibromofluoromethane (Surr)	113	6.543	6.531	0.012	93	403512	10.3	
53 1,1,1-Trichloroethane	97	6.549	6.543	0.006	98	55499	0.8677	
55 Carbon tetrachloride	117		6.757				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.000	6.988	0.012	66	76786	10.3	
60 Benzene	78		7.019				ND	
61 1,2-Dichloroethane	62		7.092				ND	
* 64 Fluorobenzene (IS)	96	7.439	7.427	0.012	98	1698813	10.0	
68 Trichloroethene	95	7.921	7.915	0.006	98	13014	0.2854	
70 1,2-Dichloropropane	63		8.238				ND	
76 Dichlorobromomethane	83		8.592				ND	
81 cis-1,3-Dichloropropene	75		9.152				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.341				ND	
\$ 83 Toluene-d8 (Surr)	98	9.475	9.469	0.006	94	1590693	9.58	
84 Toluene	92		9.549				ND	
85 trans-1,3-Dichloropropene	75		9.823				ND	
107 1,1,2-Trichloroethane	97		10.024				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.116	10.116	0.000	97	595224	12.6	
110 2-Hexanone	43		10.256				ND	
112 Chlorodibromomethane	129		10.408				ND	
113 Ethylene Dibromide	107		10.518				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.957	0.006	87	1207880	10.0	
116 Chlorobenzene	112		10.987				ND	
117 1,1,1,2-Tetrachloroethane	131		11.067				ND	
118 Ethylbenzene	91		11.073				ND	
120 m-Xylene & p-Xylene	106		11.195				ND	
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.524				ND	
122 Styrene	104		11.536				ND	
123 Bromoform	173		11.695				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	88	535149	9.00	
128 1,1,2,2-Tetrachloroethane	83		12.073				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	551998	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 10-Jul-2024 11:58:31

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X41.D

Injection Date: 10-Jul-2024 00:25:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: 410-177855-B-13 DL

Lab Sample ID: 410-177855-13

Worklist Smp#: 12

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

Purge Vol: 25.000 mL

Dil. Factor: 10.0000

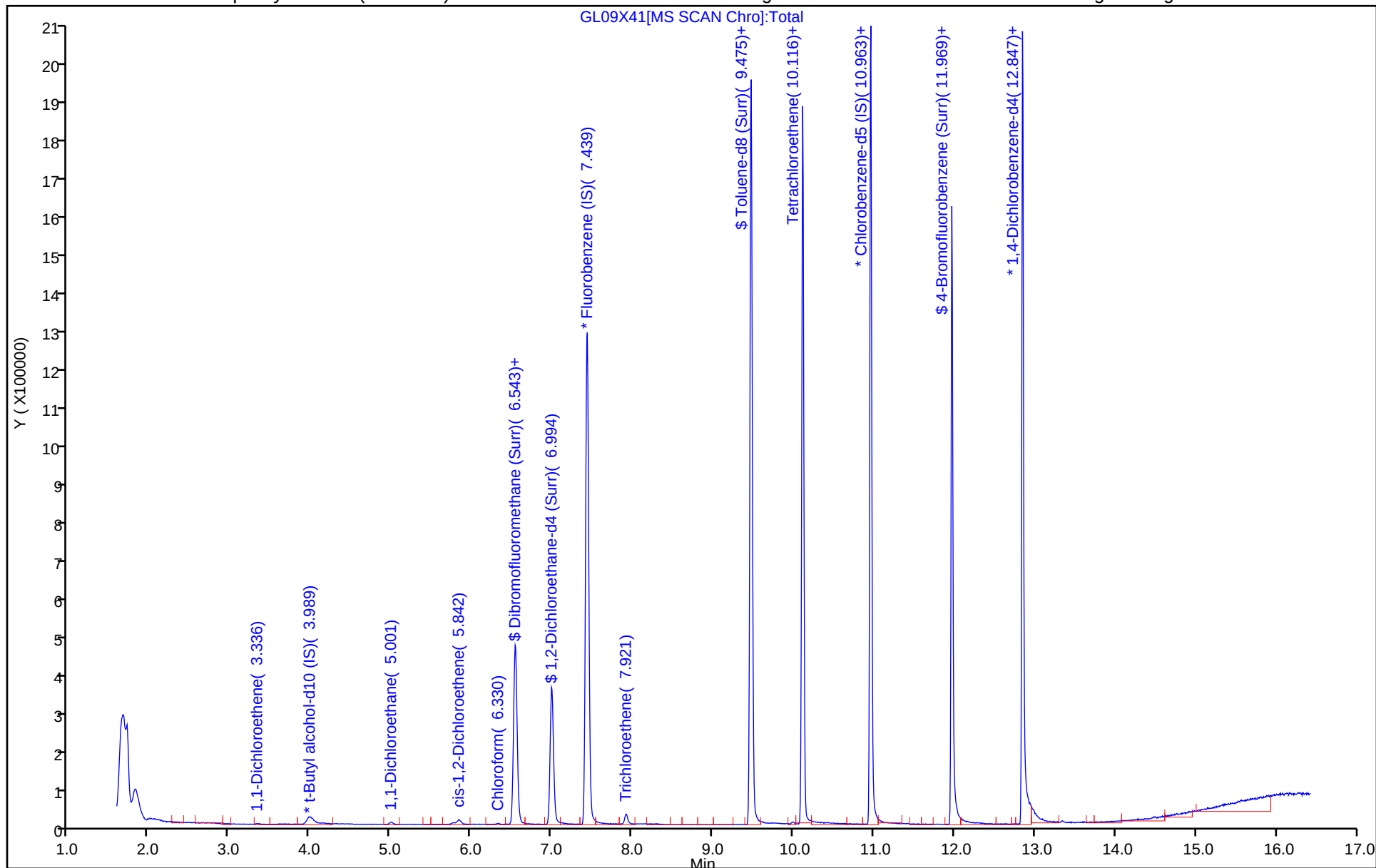
ALS Bottle#: 11

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X41.D
Lims ID: 410-177855-B-13 DL
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 10-Jul-2024 00:25:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0118882-012
Operator ID: gaw91131 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Jul-2024 11:58:30 Calib Date: 15-Jun-2024 00:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1646

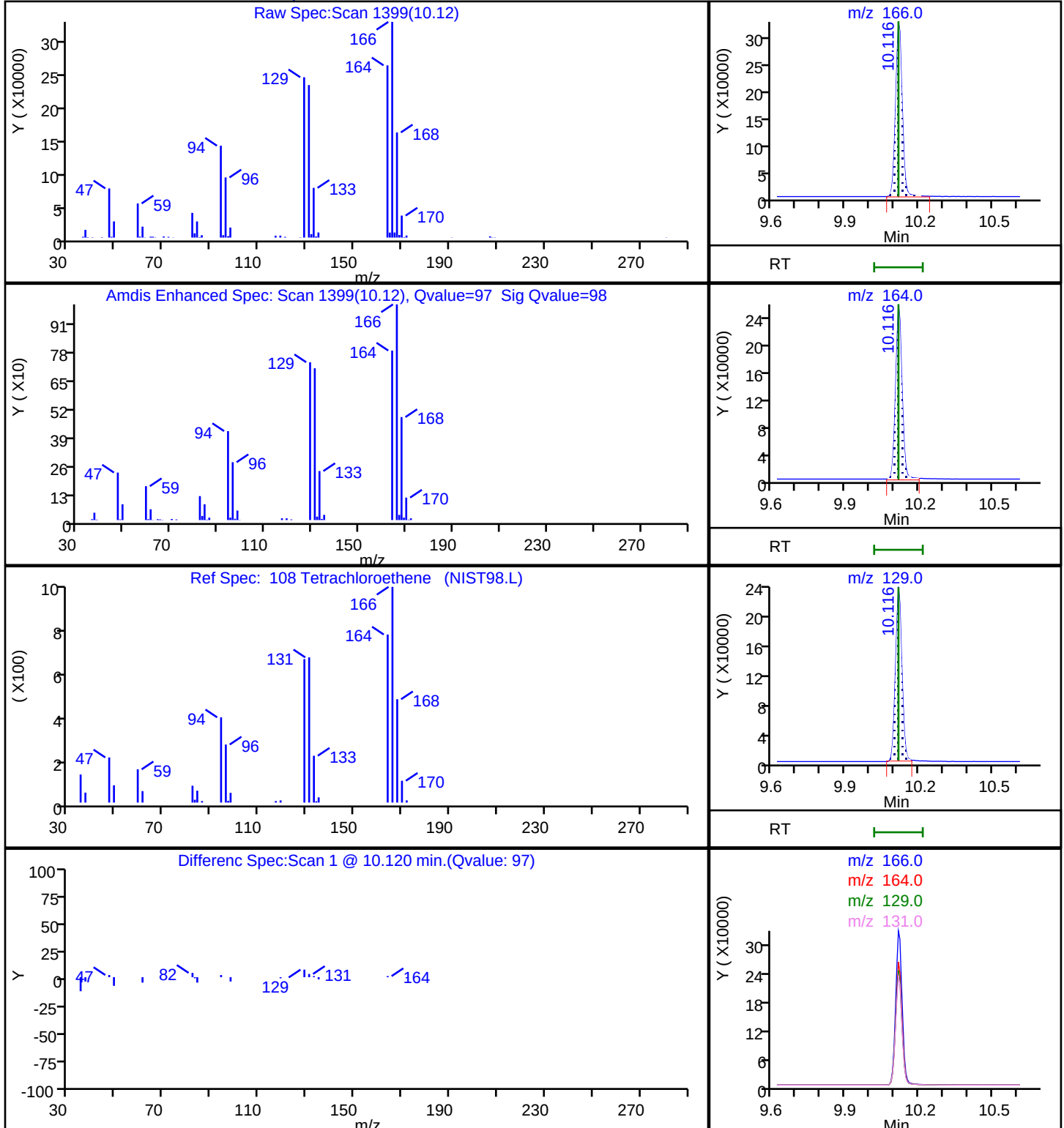
First Level Reviewer: FQ4L

Date: 10-Jul-2024 11:58:30

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.3	103.14
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	102.66
\$ 83 Toluene-d8 (Surr)	10.0	9.58	95.81
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.00	90.00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X41.D
Injection Date: 10-Jul-2024 00:25:30 Instrument ID: 16334
Lims ID: 410-177855-B-13 DL Lab Sample ID: 410-177855-13
Client ID: HD-QC1-0/1-1
Operator ID: gaw91131 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) MS Quad

108 Tetrachloroethene, CAS: 127-18-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-14

Matrix: Water

Lab File ID: CL02X08.D

Analysis Method: 8260D

Date Collected: 06/25/2024 00:00

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2024 13:17

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 523863

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

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	^c cn	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-QC1-0/1-2 Lab Sample ID: 410-177855-14

Matrix: Water Lab File ID: CL02X08.D

Analysis Method: 8260D Date Collected: 06/25/2024 00:00

Sample wt/vol: 25 (mL) Date Analyzed: 07/02/2024 13:17

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 523863 Units: ug/L

Preparation Batch No.: _____ Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	ND		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		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\10193\20240702-118306.b\CL02X08.D
 Lims ID: 410-177855-A-14
 Client ID: HD-QC1-0/1-2
 Sample Type: Client
 Inject. Date: 02-Jul-2024 13:17:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118306-009
 Misc. Info.: 410-177855-A-14
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 02-Jul-2024 19:17:21 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1642

First Level Reviewer: FQ4L

Date: 03-Jul-2024 10:16:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.982				ND	
6 Vinyl chloride	62		2.079				ND	
9 Bromomethane	94		2.396				ND	
10 Chloroethane	64		2.439				ND	
18 1,1-Dichloroethene	96		3.189				ND	
20 Acetone	43	3.232	3.213	0.019	36	4708	0.5404	
25 Carbon disulfide	76		3.451				ND	7
30 Methylene Chloride	84		3.774				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.799	3.774	0.024	96	175671	50.0	
34 Methyl tert-butyl ether	73		4.134				ND	
35 trans-1,2-Dichloroethene	96		4.134				ND	
37 1,1-Dichloroethane	63		4.792				ND	
42 2-Butanone (MEK)	43		5.609				ND	7
43 cis-1,2-Dichloroethene	96		5.646				ND	
48 Chlorobromomethane	128		5.975				ND	
50 Chloroform	83		6.139				ND	
\$ 54 Dibromofluoromethane (Surr)	113	6.353	6.359	-0.006	94	546698	10.2	
53 1,1,1-Trichloroethane	97		6.365				ND	
56 Carbon tetrachloride	117		6.572				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.816	0.000	99	111958	10.2	
60 Benzene	78		6.841				ND	
61 1,2-Dichloroethane	62		6.920				ND	
* 65 Fluorobenzene (IS)	96	7.261	7.261	0.000	99	2216096	10.0	
68 Trichloroethene	95		7.749				ND	
70 1,2-Dichloropropane	63		8.090				ND	
76 Dichlorobromomethane	83		8.450				ND	
80 cis-1,3-Dichloropropene	75		9.023				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.224				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2219681	9.84	
84 Toluene	92		9.438				ND	7
85 trans-1,3-Dichloropropene	75		9.724				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.937				ND	
88 Tetrachloroethene	166		10.017				ND	
106 2-Hexanone	43		10.175				ND	7
108 Chlorodibromomethane	129		10.328				ND	
110 Ethylene Dibromide	107		10.437				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1759900	10.0	
113 Chlorobenzene	112		10.925				ND	
114 1,1,1,2-Tetrachloroethane	131		11.017				ND	
115 Ethylbenzene	91		11.023				ND	
116 m-Xylene & p-Xylene	106		11.138				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.480				ND	
119 Styrene	104		11.498				ND	
120 Bromoform	173		11.651				ND	7
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	95	794270	9.37	
126 1,1,2,2-Tetrachloroethane	83		12.053				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	93	990898	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

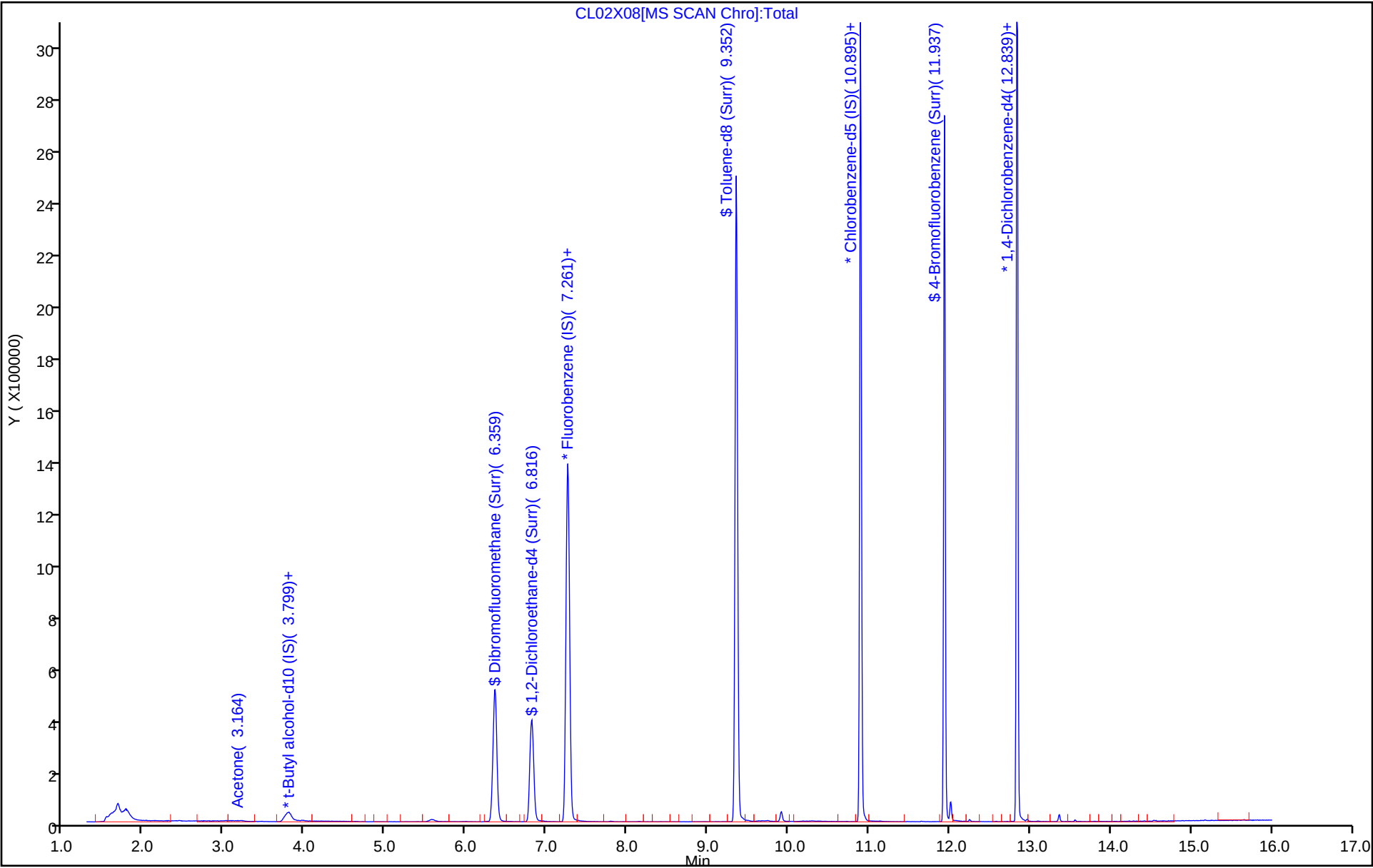
Reagents:

MSV_HP25_ISSS_00091

Amount Added: 1.00

Units: uL

Run Reagent



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\CL02X08.D
Lims ID: 410-177855-A-14
Client ID: HD-QC1-0/1-2
Sample Type: Client
Inject. Date: 02-Jul-2024 13:17:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118306-009
Misc. Info.: 410-177855-A-14
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 02-Jul-2024 19:17:21 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1642

First Level Reviewer: FQ4L

Date: 03-Jul-2024 10:16:23

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.2	101.87
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.97
\$ 83 Toluene-d8 (Surr)	10.0	9.84	98.44
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.37	93.70

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 18:42 Calibration End Date: 06/14/2024 20:58 Calibration ID: 62903

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-517601/3	CU14X02.D
Level 2	IC 410-517601/4	CU14X03.D
Level 3	IC 410-517601/5	CU14X04.D
Level 4	IC 410-517601/6	CU14X05.D
Level 5	IC 410-517601/7	CU14X06.D
Level 6	IC 410-517601/8	CU14X07.D
Level 7	IC 410-517601/9	CU14X08.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	0.3870 0.2991	0.3617 0.2903	0.3160	0.3144	0.2879	Ave		0.322 3				11.7		20.0			
Methoxymethane	++++ 0.3241	0.3895 0.3032	0.3422	0.3235	0.3148	Ave		0.332 9				9.2		20.0			
Acetonitrile	++++ 0.0146	++++ 0.0136	0.0157	0.0149	0.0144	Ave		0.014 6				5.3		20.0			
Vinyl acetate	++++ 0.2669	0.3741 0.2330	0.3146	0.3214	0.3107	Ave		0.303 5				16.0		20.0			
Ethyl acetate	0.2583 0.1705	0.2066 0.1643	0.1625	0.1624	0.1683	Ave		0.184 7				19.5		20.0			
2-Chloroethyl vinyl ether	0.1239 0.1299	0.1248 0.1286	0.1253	0.1234	0.1224	Ave		0.125 5				2.2		20.0			
cis-1,4-Dichloro-2-butene	0.1058 0.1065	0.1034 0.1062	0.1010	0.0996	0.0994	Ave		0.103 1				3.0		20.0			
Cyclohexanone	0.3611 0.3482	0.3676 0.3451	0.3670	0.3618	0.3548	Ave		0.357 9				2.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 18:42 Calibration End Date: 06/14/2024 20:58 Calibration ID: 62903

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-517601/3	CU14X02.D
Level 2	IC 410-517601/4	CU14X03.D
Level 3	IC 410-517601/5	CU14X04.D
Level 4	IC 410-517601/6	CU14X05.D
Level 5	IC 410-517601/7	CU14X06.D
Level 6	IC 410-517601/8	CU14X07.D
Level 7	IC 410-517601/9	CU14X08.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	17130 663098	40587 1644844	70444	143100	330865	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methoxymethane	FB	Ave	++++ 718466	43707 1717783	76304	147232	361794	++++ 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	FB	Ave	++++ 161395	++++ 383998	17515	33865	82922	++++ 50.0	++++ 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	++++ 591536	41977 1320162	70139	146275	357166	++++ 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	11434 378013	23181 931100	36231	73898	193452	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloroethyl vinyl ether	FB	Ave	5485 287969	13998 728916	27938	56170	140731	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,4-Dichloro-2-butene	CBZd5	Ave	7488 376311	18487 949343	35805	71985	179956	0.400 20.0	1.00 50.0	2.00	4.00	10.0
Cyclohexanone	TBA d1 0	Ave	12611 588934	32865 1480018	66166	128606	339356	10.00 500	25.0 1250	50.0	100.0	250

Curve Type Legend:

Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 18:42 Calibration End Date: 06/14/2024 20:58 Calibration ID: 62903

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-517601/3	CU14X02.D
Level 2	IC 410-517601/4	CU14X03.D
Level 3	IC 410-517601/5	CU14X04.D
Level 4	IC 410-517601/6	CU14X05.D
Level 5	IC 410-517601/7	CU14X06.D
Level 6	IC 410-517601/8	CU14X07.D
Level 7	IC 410-517601/9	CU14X08.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	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	20.1 -9.9	12.2	-2.0	-2.5	-10.7	-7.2	50 30	30	30	30	30	30
Methoxymethane	++++ -8.9	17.0	2.8	-2.8	-5.4	-2.6	30	50	30	30	30	30
Acetonitrile	++++ -7.3	++++	7.4	1.7	-1.4	-0.4	30		50	30	30	30
Vinyl acetate	++++ -23.2	23.3	3.7	5.9	2.4	-12.1	30	50	30	30	30	30
Ethyl acetate	39.8 -11.0	11.8	-12.0	-12.1	-8.9	-7.7	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-1.3 2.5	-0.6	-0.1	-1.6	-2.4	3.5	50 30	30	30	30	30	30
cis-1,4-Dichloro-2-butene	2.6 3.0	0.2	-2.1	-3.4	-3.6	3.3	50 30	30	30	30	30	30
Cyclohexanone	0.9 -3.6	2.7	2.5	1.1	-0.9	-2.7	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X02.D
 Lims ID: IC STD.2 Sm
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 14-Jun-2024 18:42:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116724-003
 Misc. Info.: IC STD 0.2 SM
 Operator ID: MEC29284 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub26
 Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 19:28:24 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1606

First Level Reviewer: UCB5

Date: 16-Jun-2024 13:08:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.768	1.762	0.006	41	5926	0.2000	0.2058	
3 Chlorodifluoromethane	51	1.811	1.811	0.000	97	17130	0.2000	0.2401	
4 Dimethyl ether	45	1.866	1.860	0.006	100	27389	0.2000	0.3717	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.159	2.153	0.006	34	14896	0.2000	0.2107	M
27 Acetonitrile	41	3.579	3.561	0.018	21	10507	1.00	3.25	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.805	3.798	0.007	97	174644	50.0	50.0	
38 Vinyl acetate	43	4.792	4.780	0.012	97	24223	0.2000	0.3607	
46 Ethyl acetate	43	5.694	5.682	0.012	98	11434	0.2000	0.2797	
63 Isopropyl acetate	43	6.956	6.956	0.000	97	25231	0.2000	0.2790	
* 65 Fluorobenzene (IS)	96	7.273	7.267	0.006	99	2213224	10.0	10.0	
75 n-Propyl acetate	61	8.285	8.292	-0.007	98	5449	0.2000	0.2653	
79 2-Chloroethyl vinyl ether	63	8.846	8.840	0.006	93	5485	0.2000	0.1975	
109 n-Butyl acetate	43	10.315	10.316	-0.001	98	23008	0.2000	0.2729	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	83	1768346	10.0	10.0	M
122 cis-1,4-Dichloro-2-butene	88	11.852	11.852	0.000	96	7488	0.4001	0.4106	
123 Cyclohexanone	55	11.876	11.876	0.000	91	12611	10.0	10.1	
* 139 1,4-Dichlorobenzene-d4	152	12.845	12.845	0.000	93	1000850	10.0	10.0	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00037	Amount Added: 0.20	Units: uL
MSV_V_SMRV4_00071	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00008	Amount Added: 1.60	Units: uL
MSV_HP25_ISO_00010	Amount Added: 1.00	Units: uL
MSV_DME_00055	Amount Added: 0.20	Units: uL

Report Date: 17-Jun-2024 19:28:24

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X02.D

Injection Date: 14-Jun-2024 18:42:30

Instrument ID: 10193

Operator ID: MEC29284

Lims ID: IC STD.2 Sm

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

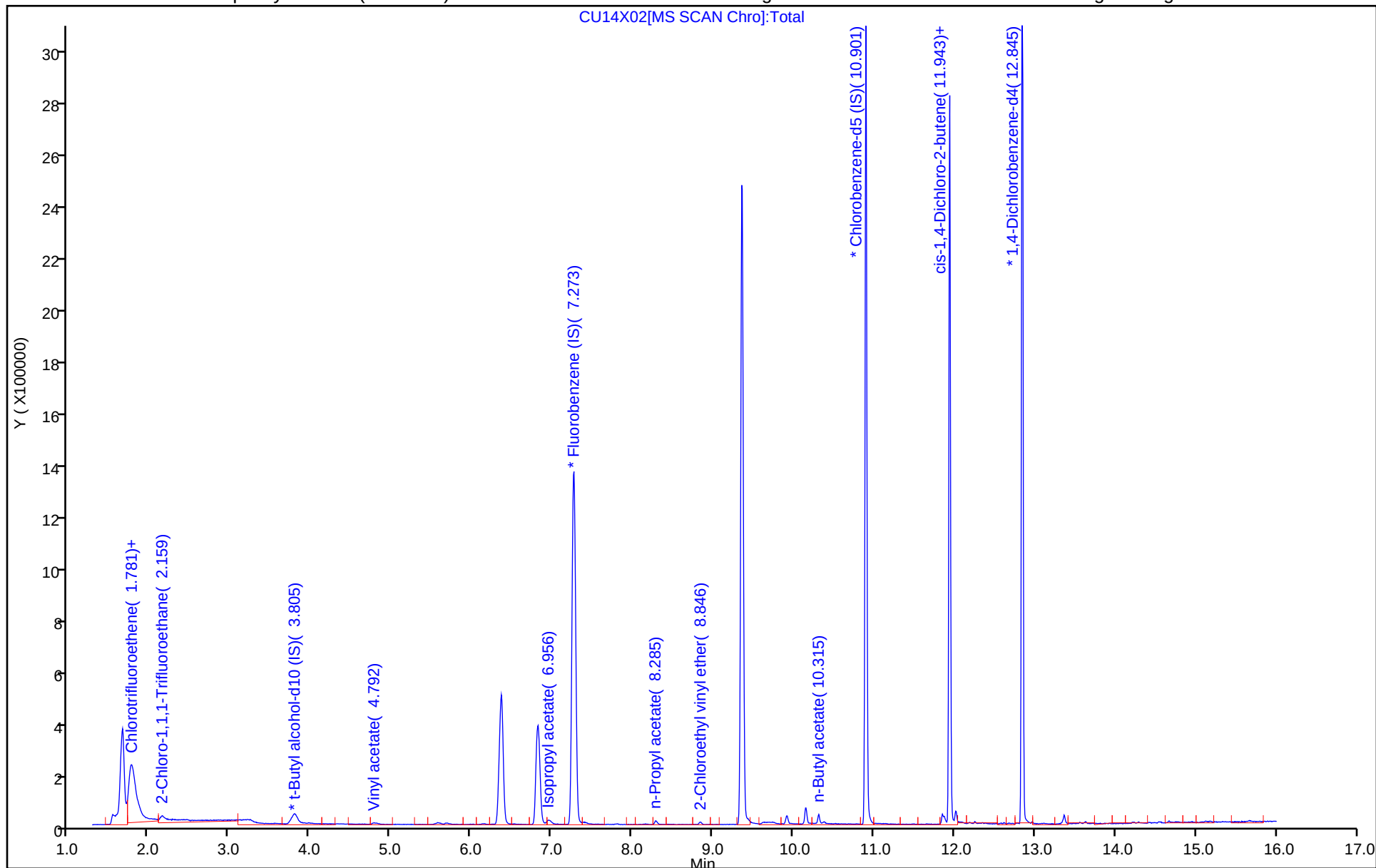
ALS Bottle#: 2

Method: MSV_10193_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

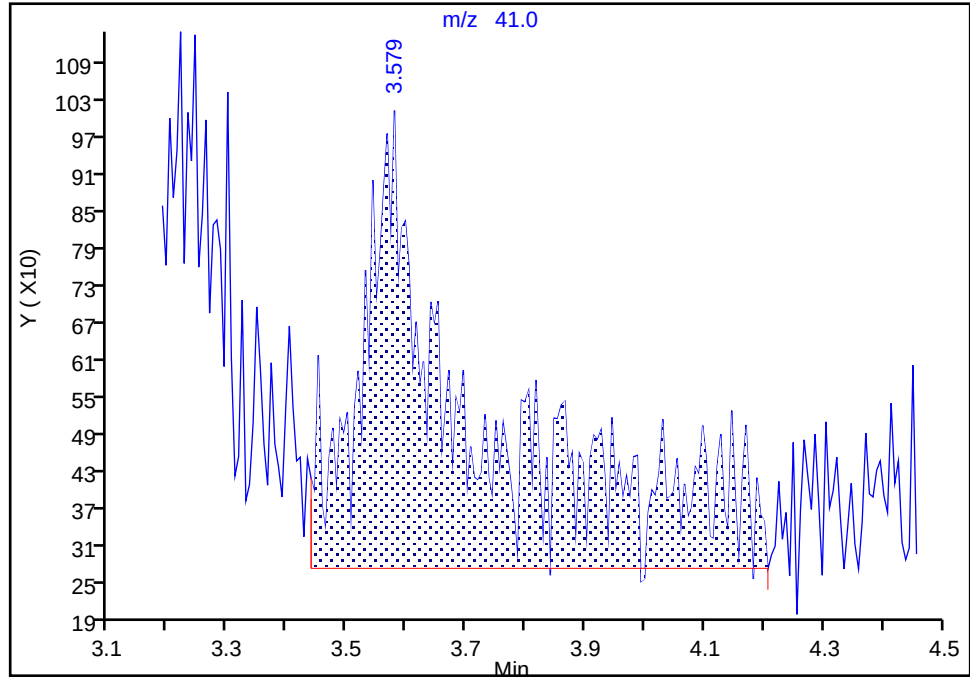
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Injection Date: 14-Jun-2024 18:42:30 Instrument ID: 10193
Lims ID: IC STD.2 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

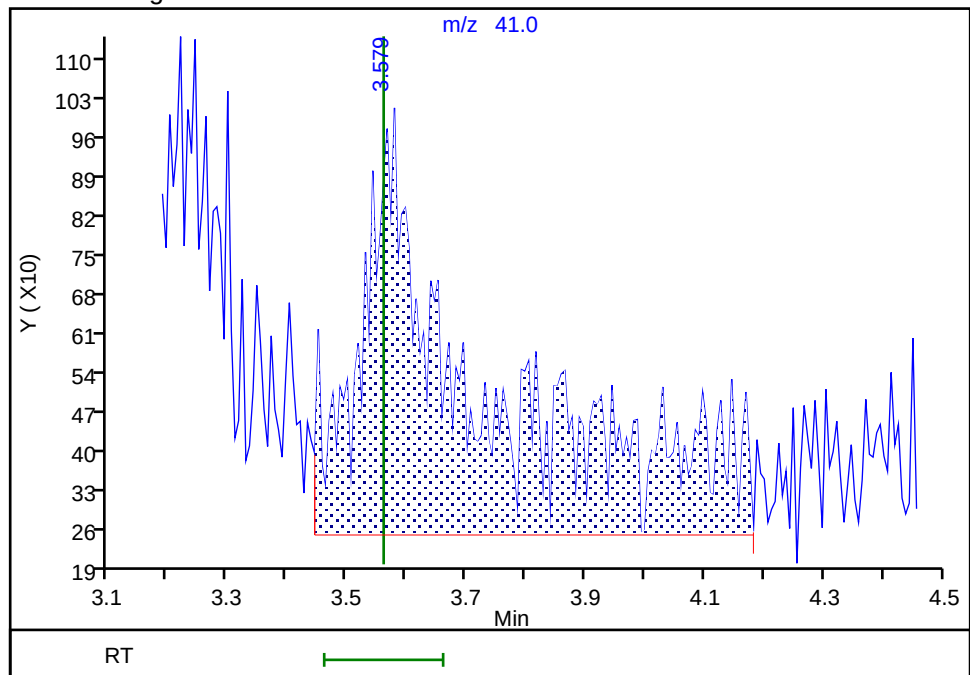
RT: 3.58
Area: 9693
Amount: 1.509747
Amount Units: ug/l

Processing Integration Results



RT: 3.58
Area: 10507
Amount: 3.245418
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 17-Jun-2024 19:11:29 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

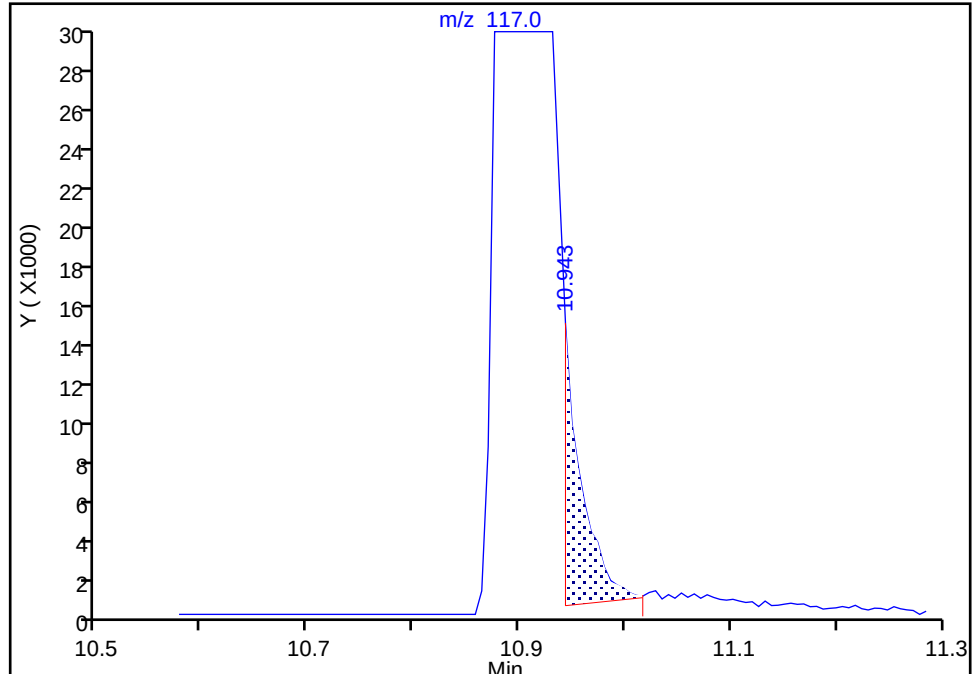
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X02.D
Injection Date: 14-Jun-2024 18:42:30 Instrument ID: 10193
Lims ID: IC STD.2 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 111 Chlorobenzene-d5 (IS), CAS: 3114-55-4

Signal: 1

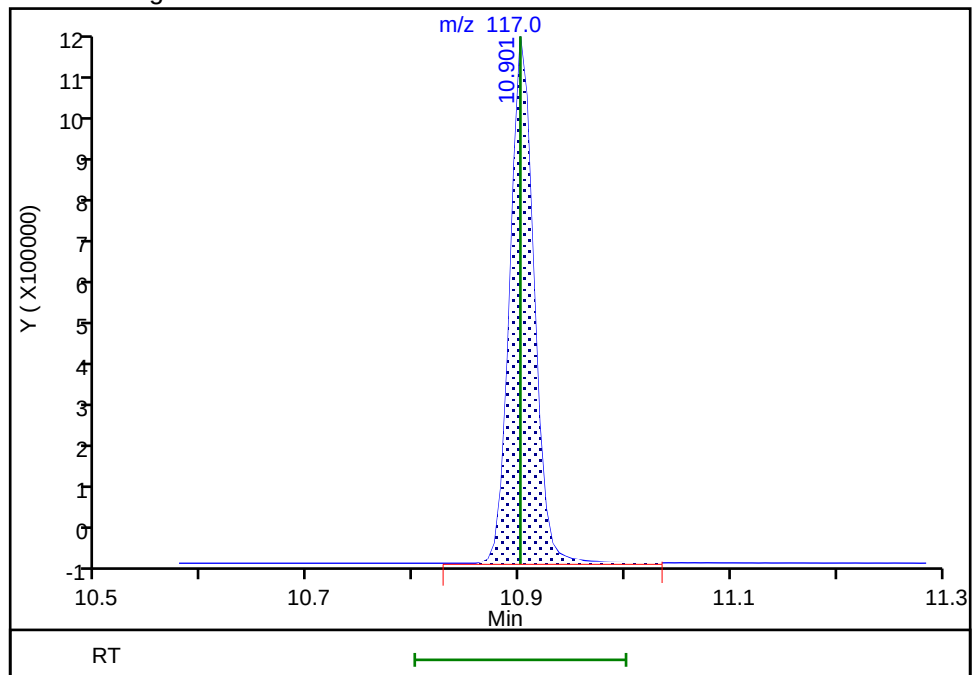
RT: 10.94
Area: 17287
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 10.90
Area: 1768346
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:07:38 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

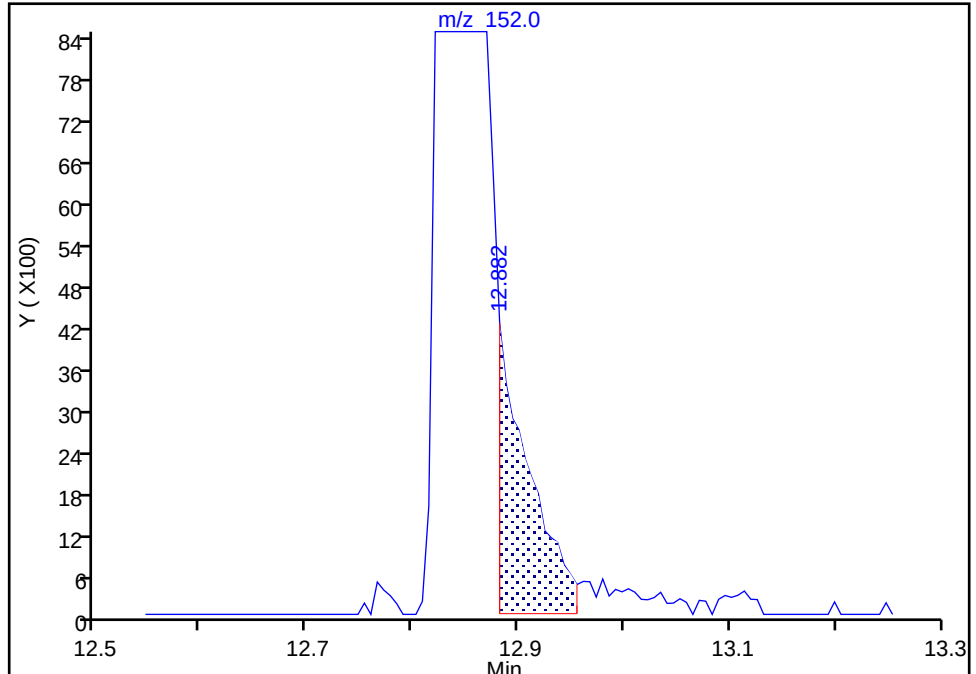
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Injection Date: 14-Jun-2024 18:42:30 Instrument ID: 10193
Lims ID: IC STD.2 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

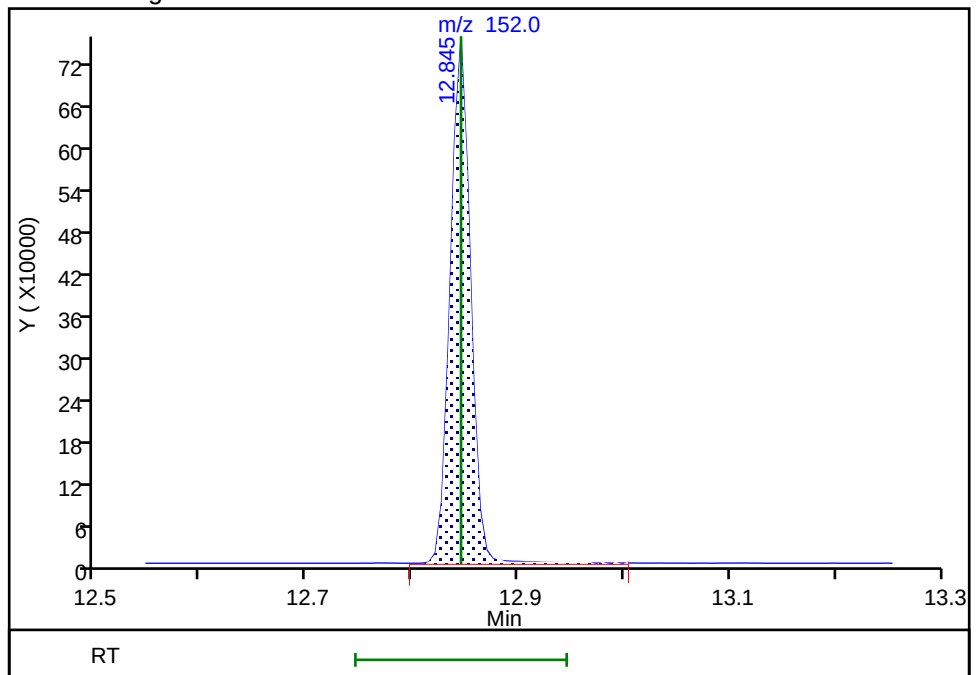
RT: 12.88
Area: 8839
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 12.85
Area: 1000850
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:08:12 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X03.D
 Lims ID: IC STD.5 Sm
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 14-Jun-2024 19:05:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116724-004
 Misc. Info.: IC STD.5 SM
 Operator ID: MEC29284 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub26
 Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 19:28:25 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1606

First Level Reviewer: UCB5

Date: 16-Jun-2024 13:10:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.756	1.762	-0.006	89	14541	0.5000	0.4980	
3 Chlorodifluoromethane	51	1.811	1.811	0.000	97	40587	0.5000	0.5611	
4 Dimethyl ether	45	1.866	1.860	0.006	100	43707	0.5000	0.5851	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.153	2.153	-0.001	33	37317	0.5000	0.5207	
27 Acetonitrile	41	3.573	3.561	0.012	24	12967	2.50	3.95	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.805	3.798	0.007	96	178836	50.0	50.0	
38 Vinyl acetate	43	4.786	4.780	0.006	97	41977	0.5000	0.6164	
46 Ethyl acetate	43	5.701	5.682	0.019	99	23181	0.5000	0.5592	
63 Isopropyl acetate	43	6.956	6.956	0.000	97	47780	0.5000	0.5210	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2244091	10.0	10.0	
75 n-Propyl acetate	61	8.292	8.292	0.000	97	11240	0.5000	0.5398	
79 2-Chloroethyl vinyl ether	63	8.840	8.840	0.000	92	13998	0.5000	0.4971	
109 n-Butyl acetate	43	10.316	10.316	0.000	98	43880	0.5000	0.5148	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	83	1787741	10.0	10.0	M
122 cis-1,4-Dichloro-2-butene	88	11.852	11.852	0.000	96	18487	1.00	1.00	
123 Cyclohexanone	55	11.876	11.876	0.000	91	32865	25.0	25.7	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.845	0.001	93	1016773	10.0	10.0	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00037	Amount Added: 0.50	Units: uL
MSV_CCV_CYC_00008	Amount Added: 4.00	Units: uL
MSV_V_SMRV4_00071	Amount Added: 2.50	Units: uL
MSV_HP25_ISO_00010	Amount Added: 1.00	Units: uL
MSV_DME_00055	Amount Added: 0.50	Units: uL

Report Date: 17-Jun-2024 19:28:26

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X03.D

Injection Date: 14-Jun-2024 19:05:30

Instrument ID: 10193

Operator ID: MEC29284

Lims ID: IC STD.5 Sm

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

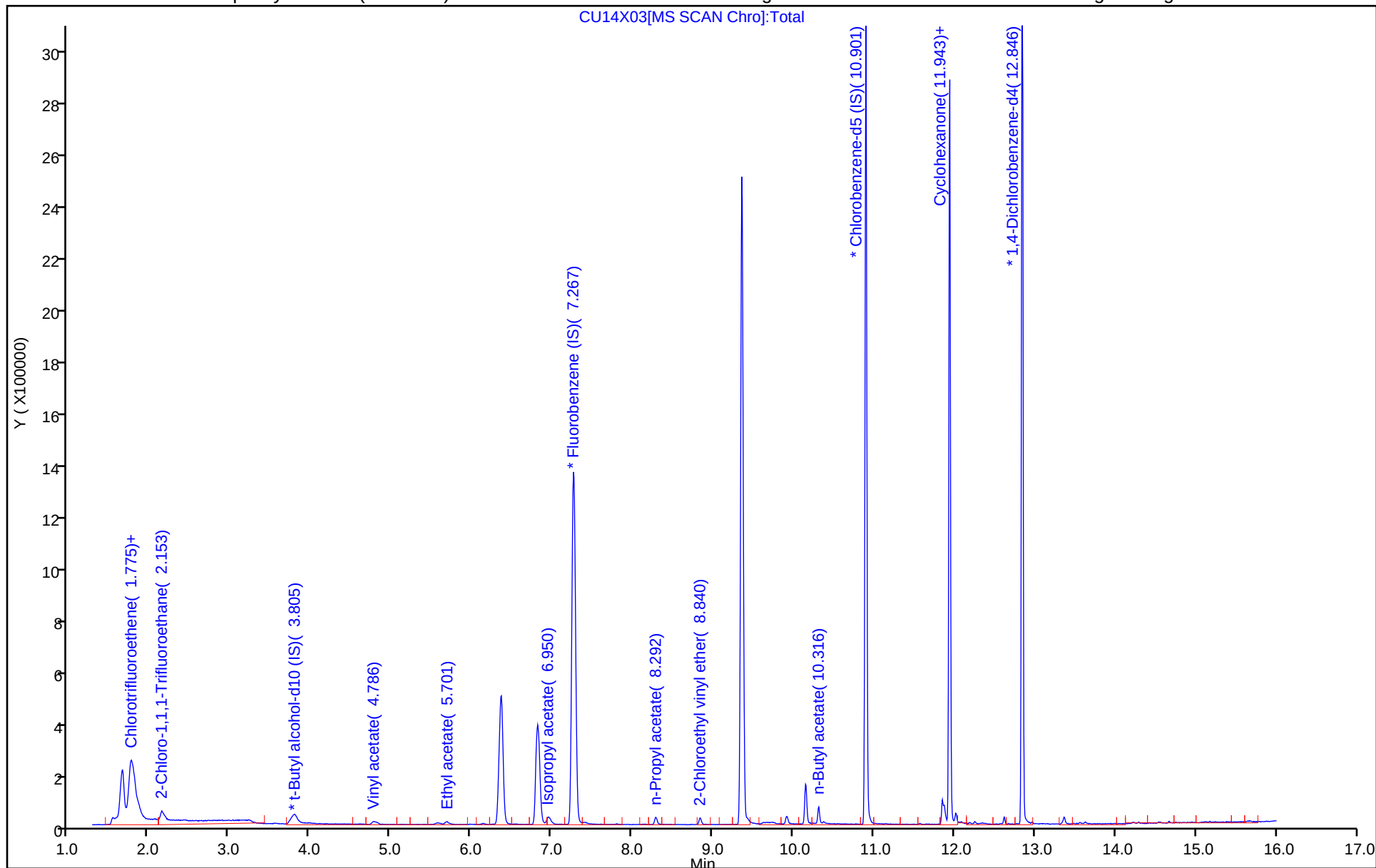
ALS Bottle#: 3

Method: MSV_10193_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

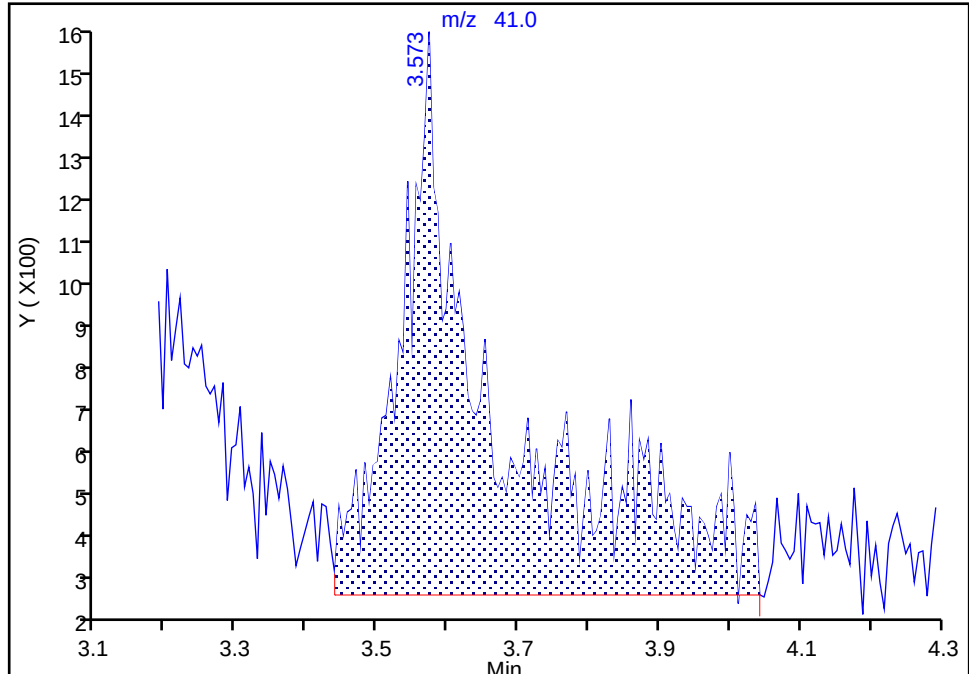
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Injection Date: 14-Jun-2024 19:05:30 Instrument ID: 10193
Lims ID: IC STD.5 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

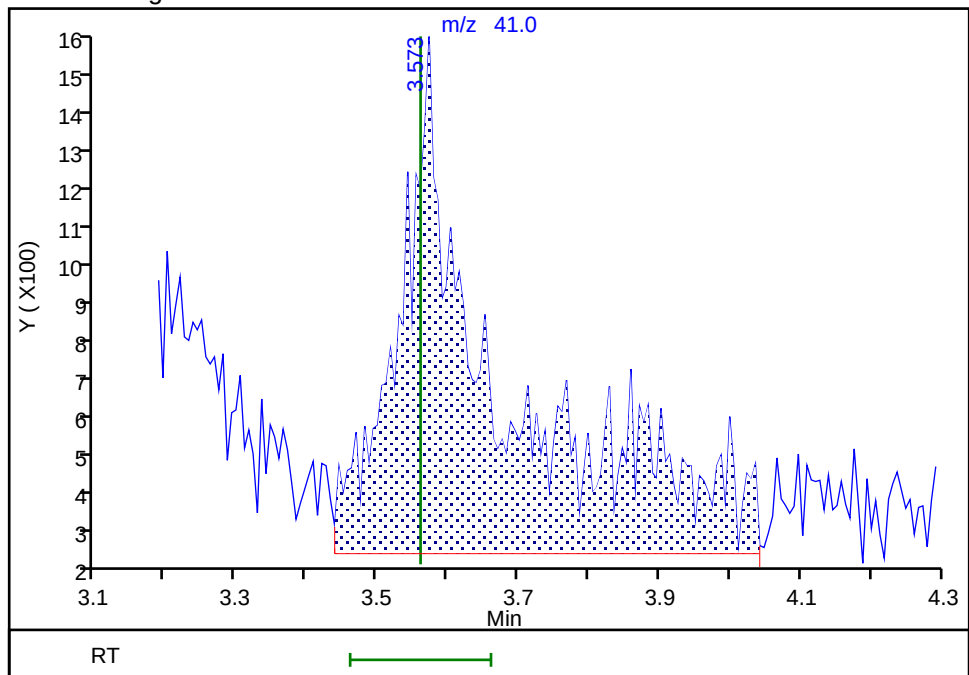
RT: 3.57
Area: 12199
Amount: 3.437501
Amount Units: ug/l

Processing Integration Results



RT: 3.57
Area: 12967
Amount: 3.950175
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 17-Jun-2024 19:10:46 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

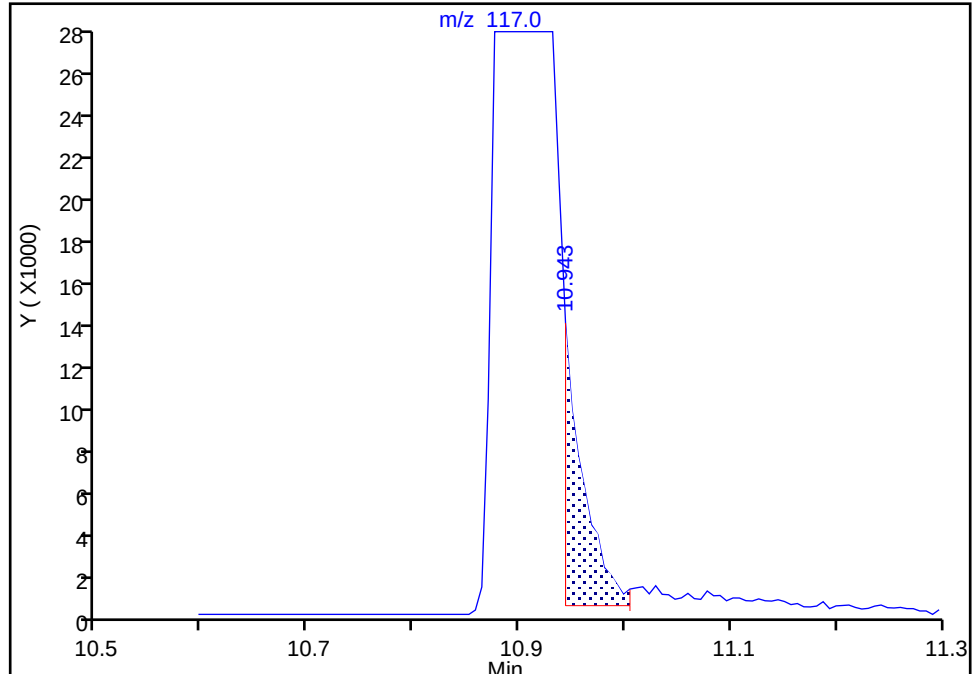
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Injection Date: 14-Jun-2024 19:05:30 Instrument ID: 10193
Lims ID: IC STD.5 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

*** 111 Chlorobenzene-d5 (IS), CAS: 3114-55-4**

Signal: 1

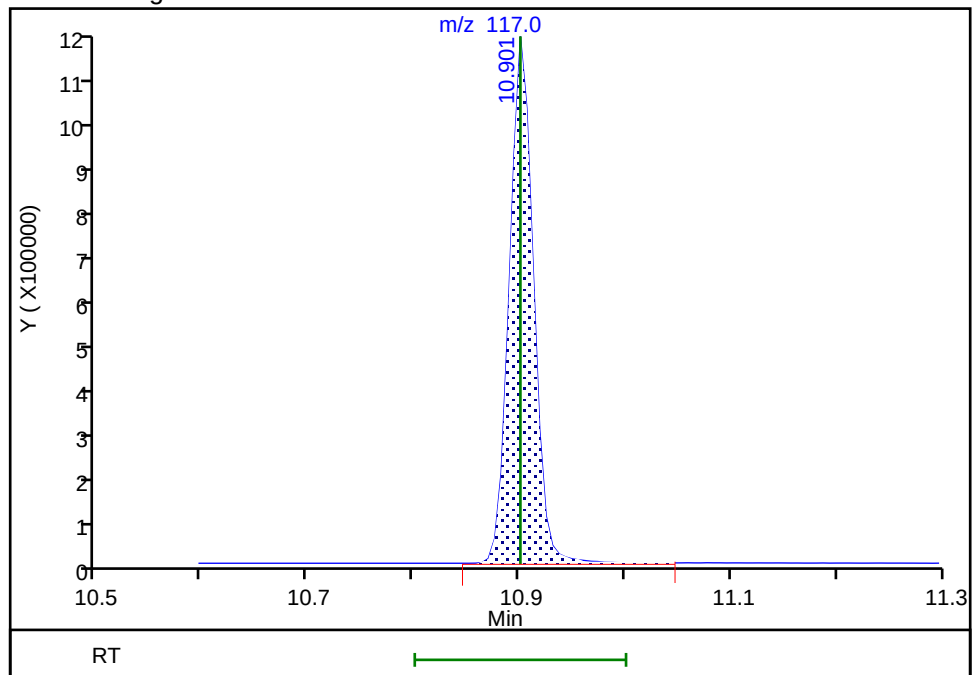
RT: 10.94
Area: 17379
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 10.90
Area: 1787741
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:09:33 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

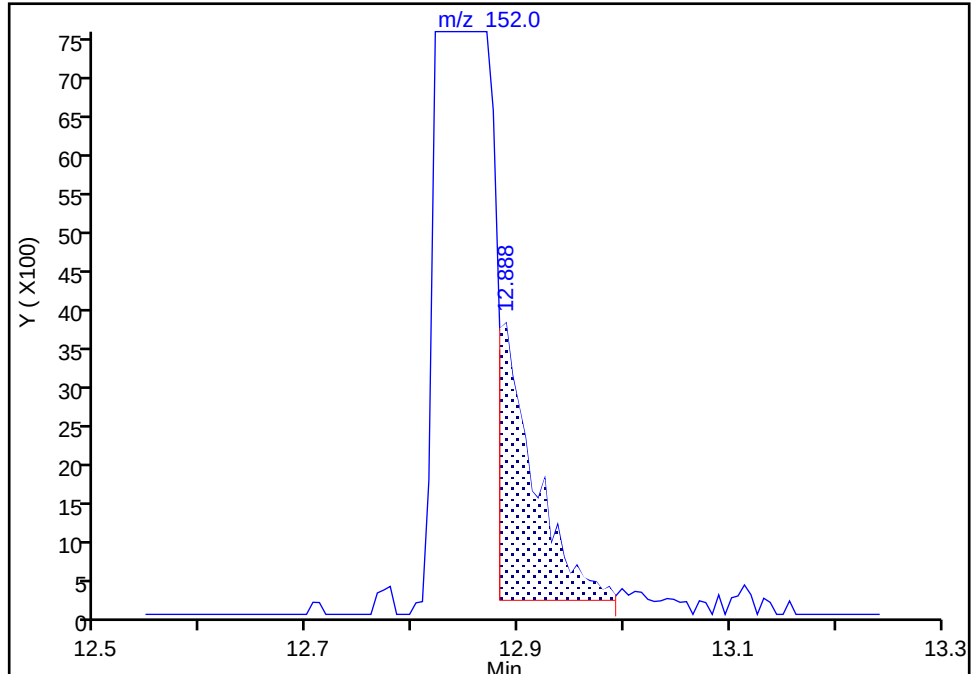
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X03.D
Injection Date: 14-Jun-2024 19:05:30 Instrument ID: 10193
Lims ID: IC STD.5 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1
Signal: 1

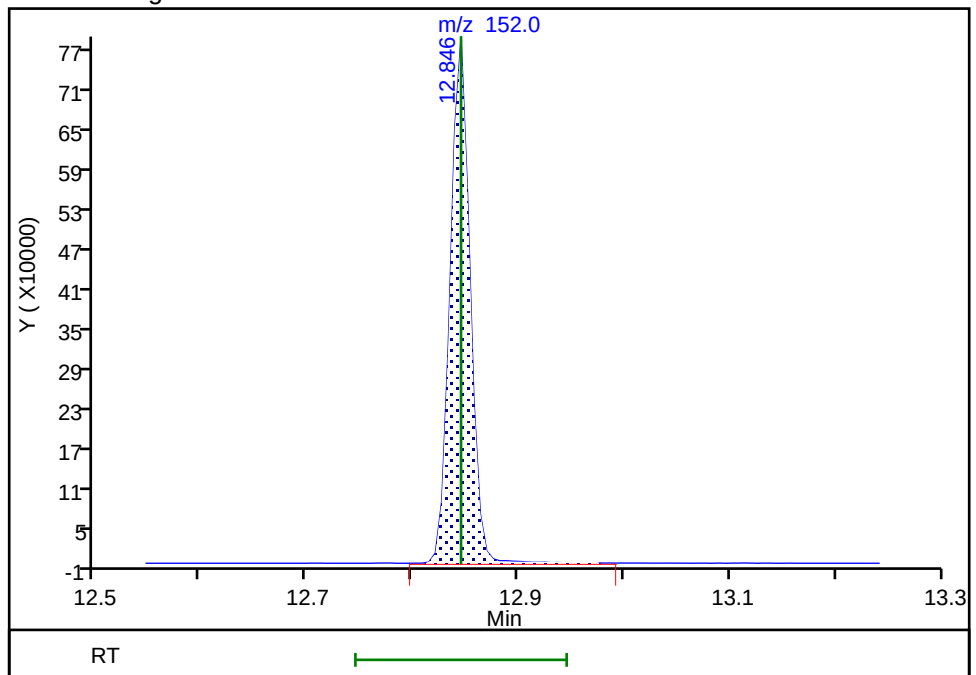
RT: 12.89
Area: 8628
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 12.85
Area: 1016773
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:09:52 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X04.D
 Lims ID: IC STD1 Sm
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 14-Jun-2024 19:27:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116724-005
 Misc. Info.: IC STD1 SM
 Operator ID: MEC29284 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub26
 Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 19:28:27 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1606

First Level Reviewer: UCB5

Date: 16-Jun-2024 13:11:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.756	1.762	-0.006	93	29800	1.00	1.03	
3 Chlorodifluoromethane	51	1.811	1.811	0.000	97	70444	1.00	0.9802	
4 Dimethyl ether	45	1.866	1.860	0.006	99	76304	1.00	1.03	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.146	2.153	-0.007	33	72193	1.00	1.01	
27 Acetonitrile	41	3.579	3.561	0.018	98	17515	5.00	5.37	
* 31 t-Butyl alcohol-d10 (IS)	65	3.805	3.798	0.007	96	180270	50.0	50.0	
38 Vinyl acetate	43	4.786	4.780	0.006	97	70139	1.00	1.04	
46 Ethyl acetate	43	5.688	5.682	0.006	98	36231	1.00	0.8798	
63 Isopropyl acetate	43	6.956	6.956	0.000	98	86891	1.00	0.9537	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2229529	10.0	10.0	
75 n-Propyl acetate	61	8.292	8.292	0.000	98	19304	1.00	0.9331	
79 2-Chloroethyl vinyl ether	63	8.840	8.840	0.000	92	27938	1.00	1.00	
109 n-Butyl acetate	43	10.316	10.316	0.000	98	80135	1.00	0.9485	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	1772095	10.0	10.0	M
122 cis-1,4-Dichloro-2-butene	88	11.852	11.852	0.000	97	35805	2.00	1.96	
123 Cyclohexanone	55	11.876	11.876	0.000	90	66166	50.0	51.3	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.845	0.001	93	1019925	10.0	10.0	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00037	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00008	Amount Added: 8.00	Units: uL
MSV_V_SMRV4_00071	Amount Added: 5.00	Units: uL
MSV_HP25_ISO_00010	Amount Added: 1.00	Units: uL
MSV_DME_00055	Amount Added: 1.00	Units: uL

Report Date: 17-Jun-2024 19:28:28

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X04.D

Injection Date: 14-Jun-2024 19:27:30

Instrument ID: 10193

Operator ID: MEC29284

Lims ID: IC STD1 Sm

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

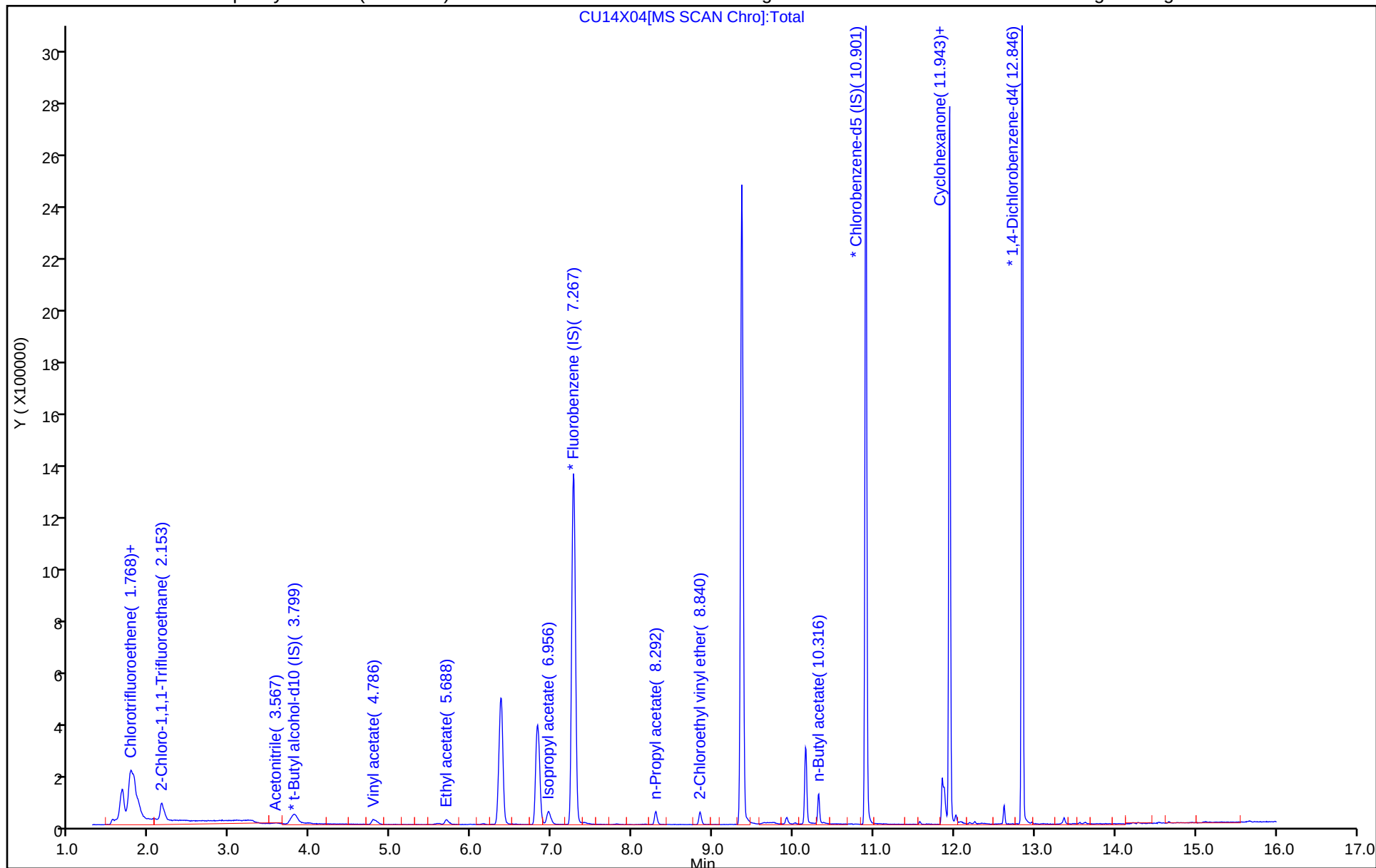
ALS Bottle#: 4

Method: MSV_10193_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

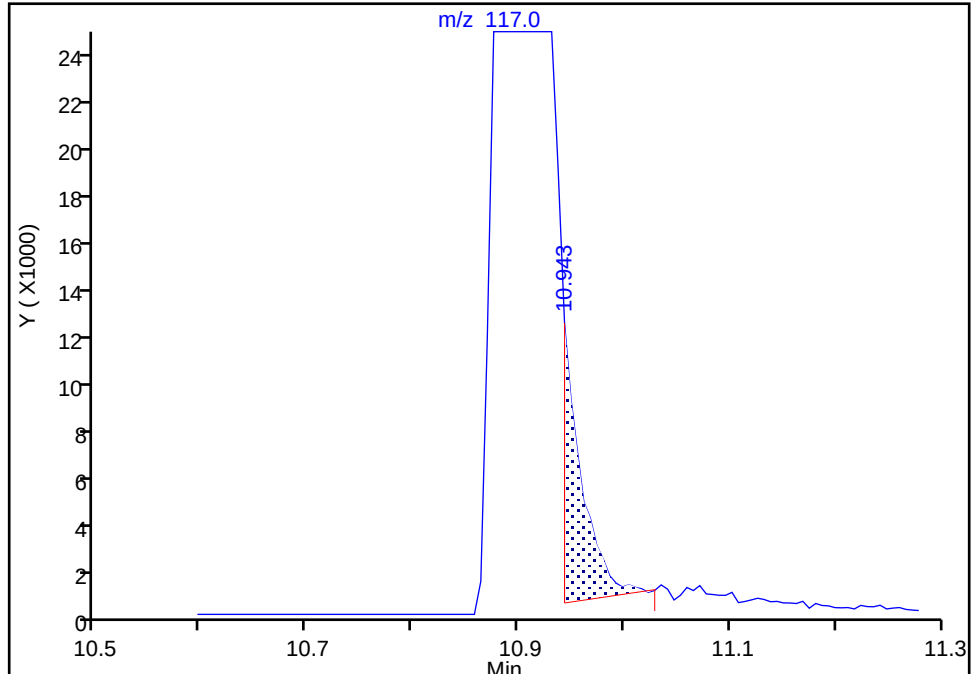
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Injection Date: 14-Jun-2024 19:27:30 Instrument ID: 10193
Lims ID: IC STD1 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 111 Chlorobenzene-d5 (IS), CAS: 3114-55-4

Signal: 1

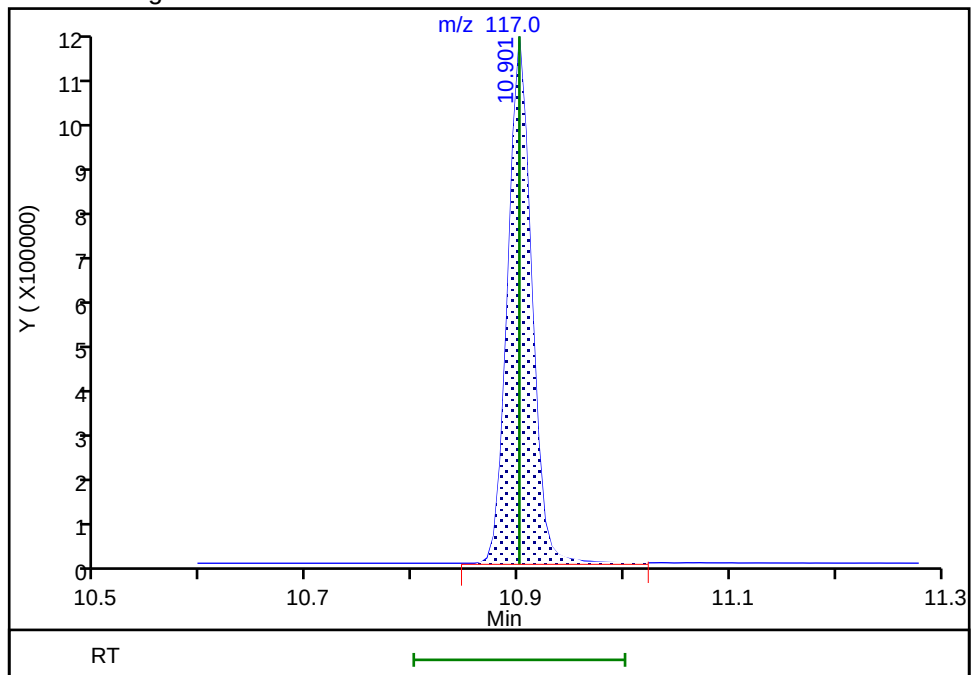
RT: 10.94
Area: 15019
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 10.90
Area: 1772095
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:10:30 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

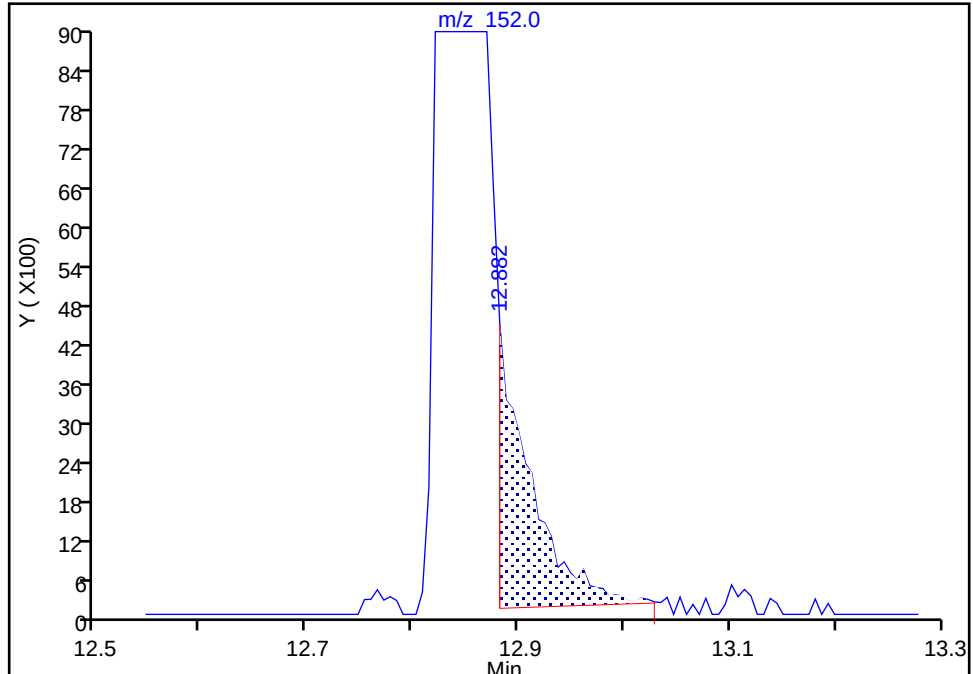
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X04.D
Injection Date: 14-Jun-2024 19:27:30 Instrument ID: 10193
Lims ID: IC STD1 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

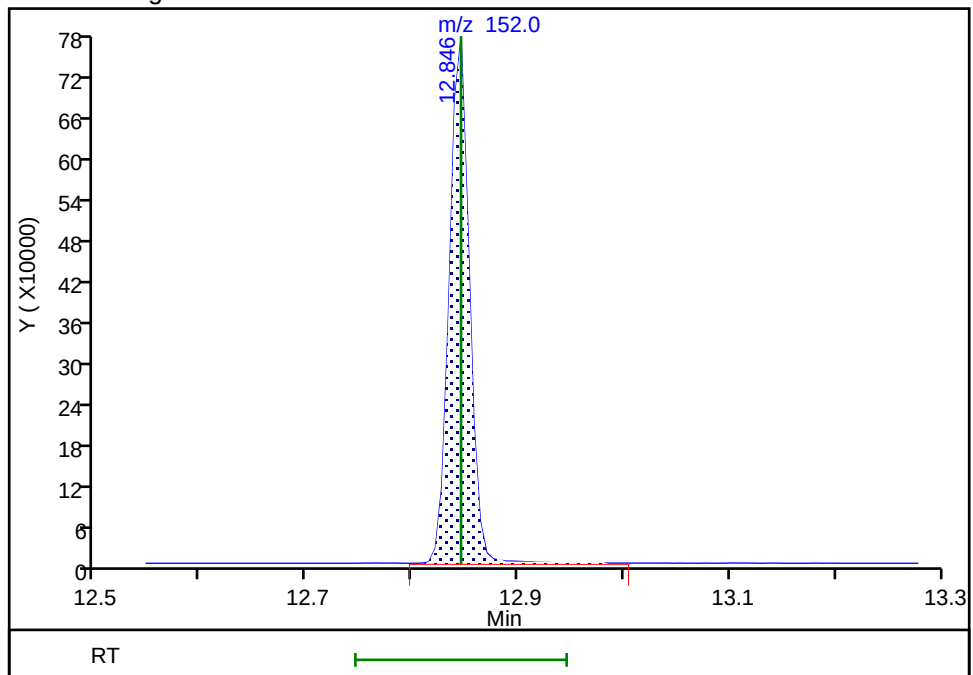
RT: 12.88
Area: 9247
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 12.85
Area: 1019925
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:11:08 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X05.D
 Lims ID: IC STD2 Sm
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 14-Jun-2024 19:50:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116724-006
 Misc. Info.: IC STD2 SM
 Operator ID: MEC29284 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub26
 Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 19:28:29 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1606

First Level Reviewer: UCB5

Date: 16-Jun-2024 13:12:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.768	1.762	0.006	93	58207	2.00	1.97	
3 Chlorodifluoromethane	51	1.817	1.811	0.006	97	143100	2.00	1.95	
4 Dimethyl ether	45	1.866	1.860	0.006	100	147232	2.00	1.94	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.159	2.153	0.006	33	144886	2.00	1.99	
27 Acetonitrile	41	3.573	3.561	0.012	99	33865	10.0	10.2	
* 31 t-Butyl alcohol-d10 (IS)	65	3.805	3.798	0.007	96	177755	50.0	50.0	
38 Vinyl acetate	43	4.792	4.780	0.012	97	146275	2.00	2.12	
46 Ethyl acetate	43	5.695	5.682	0.013	98	73898	2.00	1.76	
63 Isopropyl acetate	43	6.956	6.956	0.000	98	162065	2.00	1.74	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2275521	10.0	10.0	
75 n-Propyl acetate	61	8.292	8.292	0.000	98	37522	2.00	1.78	
79 2-Chloroethyl vinyl ether	63	8.840	8.840	0.000	92	56170	2.00	1.97	
109 n-Butyl acetate	43	10.316	10.316	0.000	98	153418	2.00	1.78	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	83	1805744	10.0	10.0	M
122 cis-1,4-Dichloro-2-butene	88	11.852	11.852	0.000	96	71985	4.00	3.87	
123 Cyclohexanone	55	11.876	11.876	0.000	91	128606	100.0	101.1	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.845	0.001	93	1039899	10.0	10.0	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00037	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00008	Amount Added: 8.00	Units: uL
MSV_V_SMRV4_00071	Amount Added: 5.00	Units: uL
MSV_HP25_ISO_00010	Amount Added: 1.00	Units: uL
MSV_DME_00055	Amount Added: 1.00	Units: uL

Report Date: 17-Jun-2024 19:28:30

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X05.D

Injection Date: 14-Jun-2024 19:50:30

Instrument ID: 10193

Operator ID: MEC29284

Lims ID: IC STD2 Sm

Worklist Smp#: 6

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

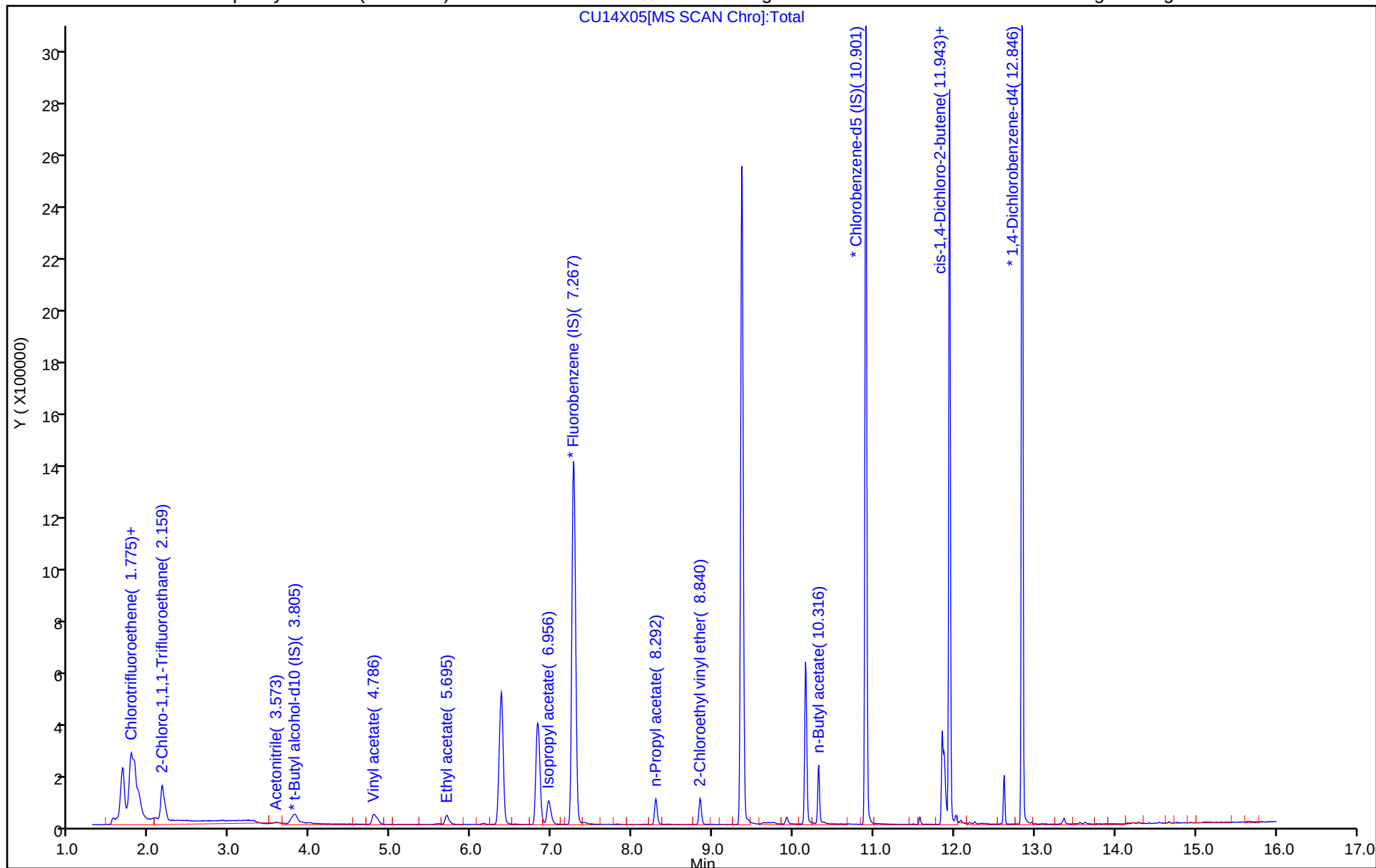
ALS Bottle#: 5

Method: MSV_10193_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

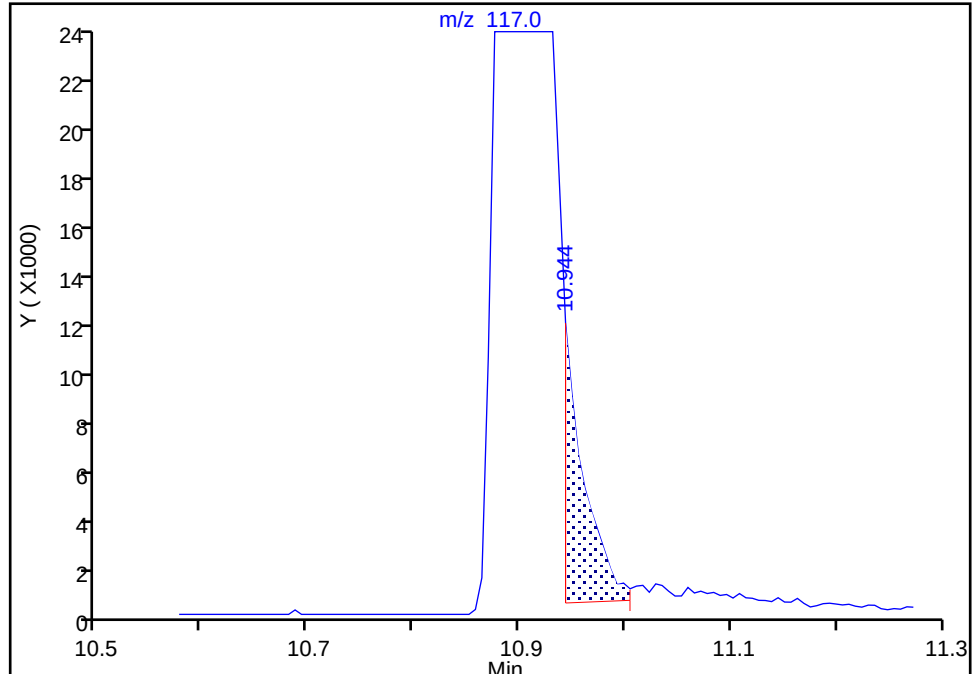
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X05.D
Injection Date: 14-Jun-2024 19:50:30 Instrument ID: 10193
Lims ID: IC STD2 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 111 Chlorobenzene-d5 (IS), CAS: 3114-55-4

Signal: 1

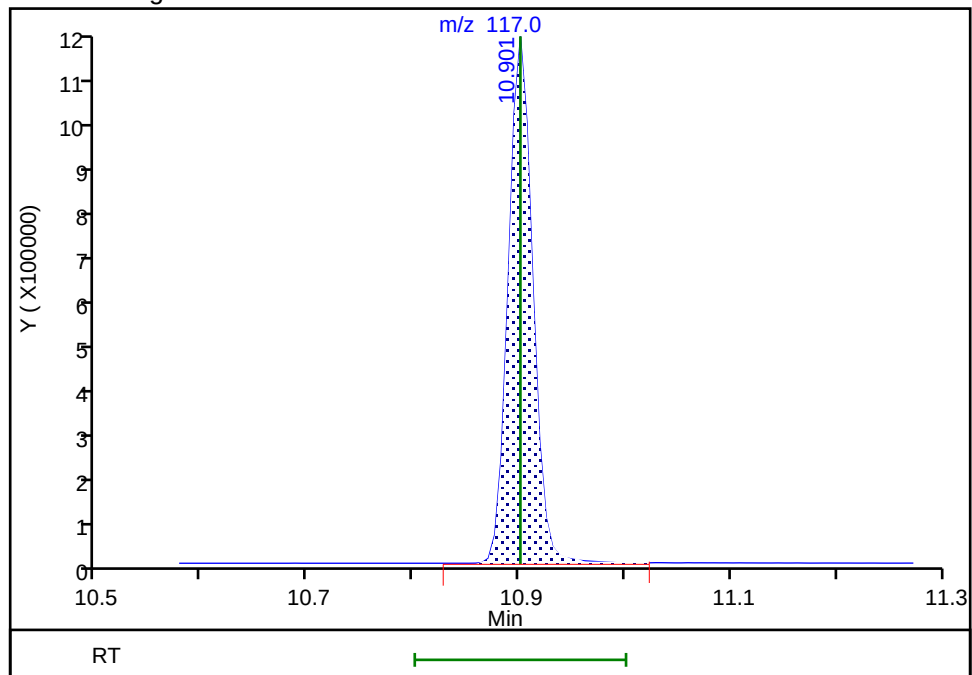
RT: 10.94
Area: 15634
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 10.90
Area: 1805744
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:12:10 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

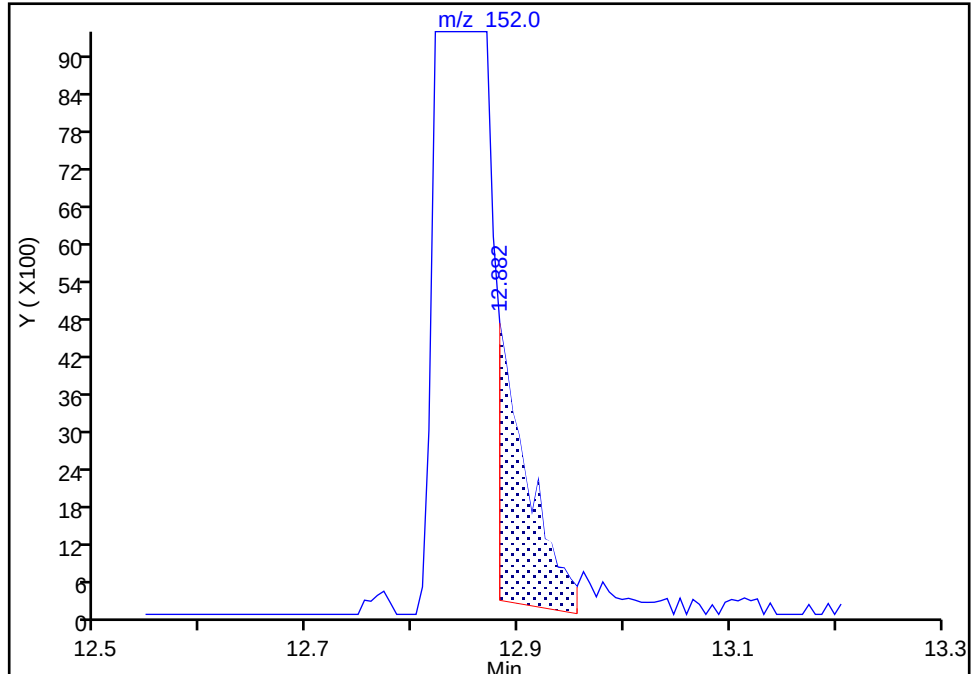
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X05.D
Injection Date: 14-Jun-2024 19:50:30 Instrument ID: 10193
Lims ID: IC STD2 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

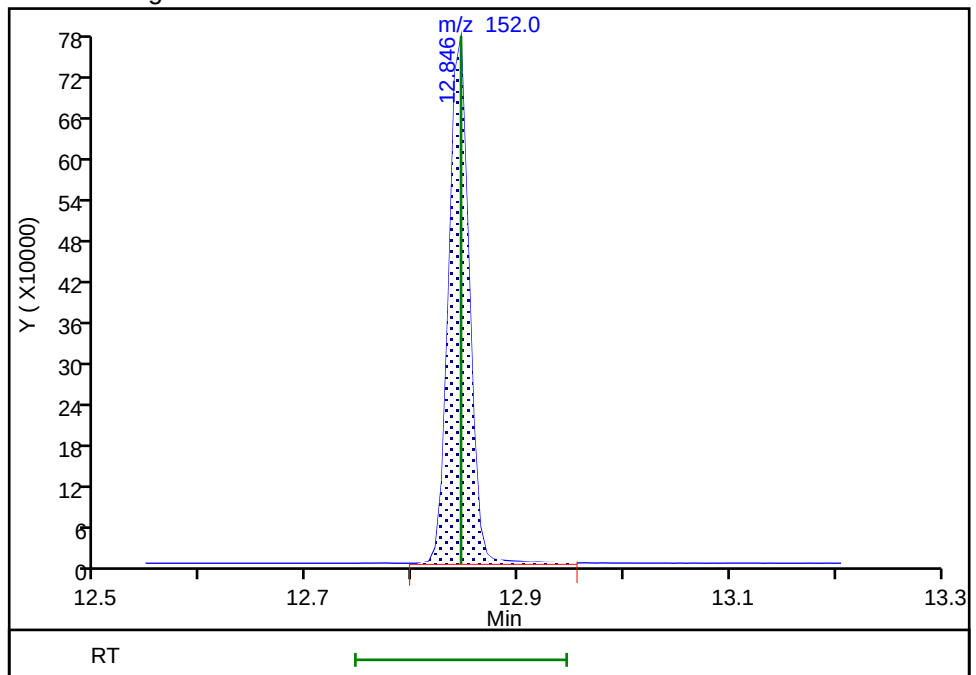
RT: 12.88
Area: 8880
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 12.85
Area: 1039899
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:12:28 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X06.D
 Lims ID: IC STD5 Sm
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 14-Jun-2024 20:13:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116724-007
 Misc. Info.: IC STD5 SM
 Operator ID: MEC29284 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub26
 Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 19:28:31 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1606

First Level Reviewer: UCB5

Date: 16-Jun-2024 13:13:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.762	1.762	0.000	92	140191	5.00	4.69	
3 Chlorodifluoromethane	51	1.811	1.811	0.000	97	330865	5.00	4.47	
4 Dimethyl ether	45	1.866	1.860	0.006	99	361794	5.00	4.73	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.153	2.153	0.000	55	344038	5.00	4.69	
27 Acetonitrile	41	3.573	3.561	0.012	100	82922	25.0	24.7	
* 31 t-Butyl alcohol-d10 (IS)	65	3.811	3.798	0.013	97	191283	50.0	50.0	
38 Vinyl acetate	43	4.786	4.780	0.006	97	357166	5.00	5.12	
46 Ethyl acetate	43	5.688	5.682	0.006	99	193452	5.00	4.56	
63 Isopropyl acetate	43	6.957	6.956	0.001	98	435691	5.00	4.64	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2298834	10.0	10.0	
75 n-Propyl acetate	61	8.286	8.292	-0.006	98	99130	5.00	4.65	
79 2-Chloroethyl vinyl ether	63	8.840	8.840	0.000	91	140731	5.00	4.88	
109 n-Butyl acetate	43	10.316	10.316	0.000	98	403811	5.00	4.68	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	1810185	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.852	11.852	0.000	97	179956	10.0	9.64	
123 Cyclohexanone	55	11.876	11.876	0.000	91	339356	250.0	247.8	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.845	0.001	93	1043540	10.0	10.0	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00037	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00008	Amount Added: 8.00	Units: uL
MSV_V_SMRV4_00071	Amount Added: 5.00	Units: uL
MSV_HP25_ISO_00010	Amount Added: 1.00	Units: uL
MSV_DME_00055	Amount Added: 1.00	Units: uL

Report Date: 17-Jun-2024 19:28:31

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X06.D

Injection Date: 14-Jun-2024 20:13:30

Instrument ID: 10193

Operator ID: MEC29284

Lims ID: IC STD5 Sm

Worklist Smp#: 7

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

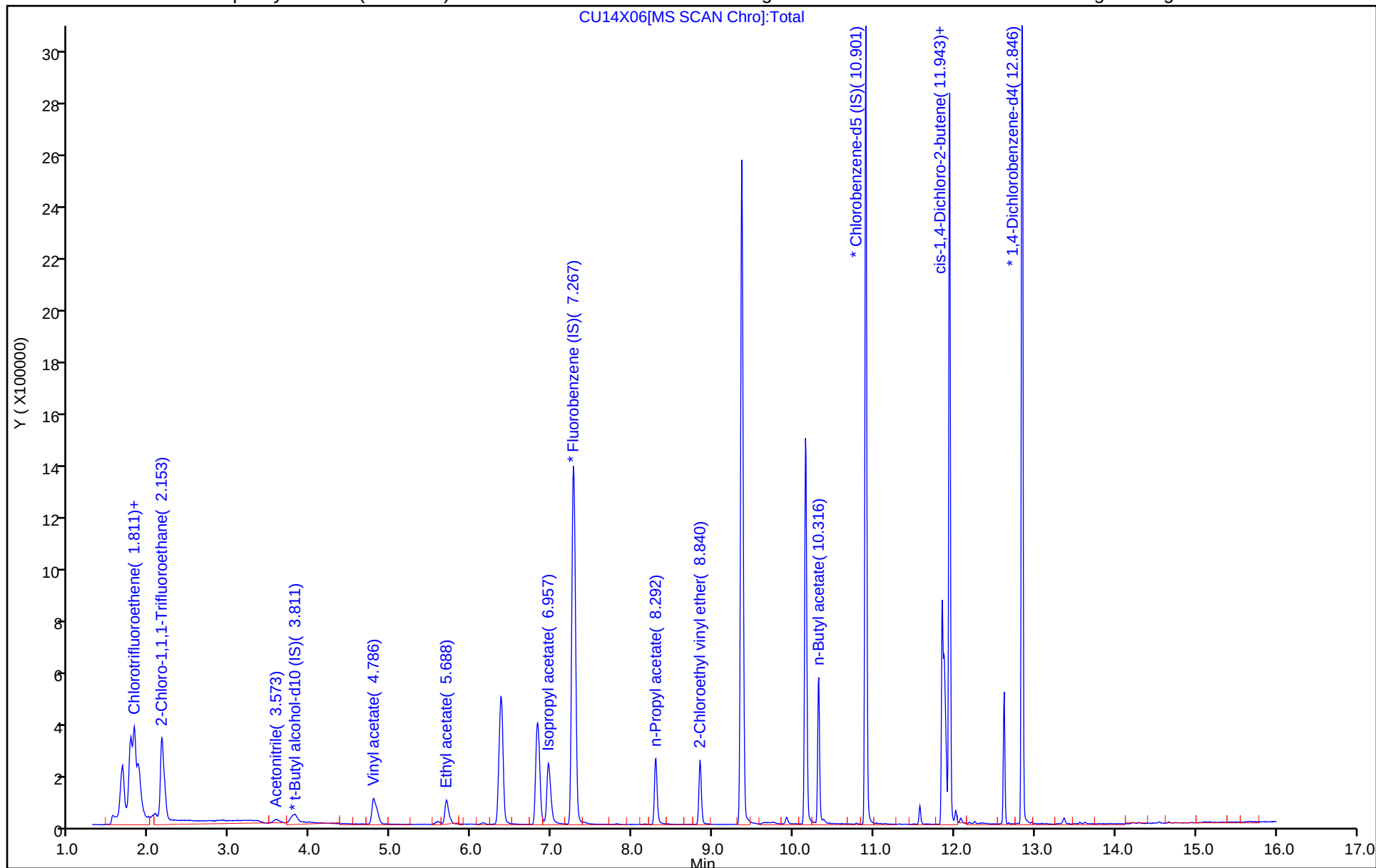
ALS Bottle#: 6

Method: MSV_10193_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

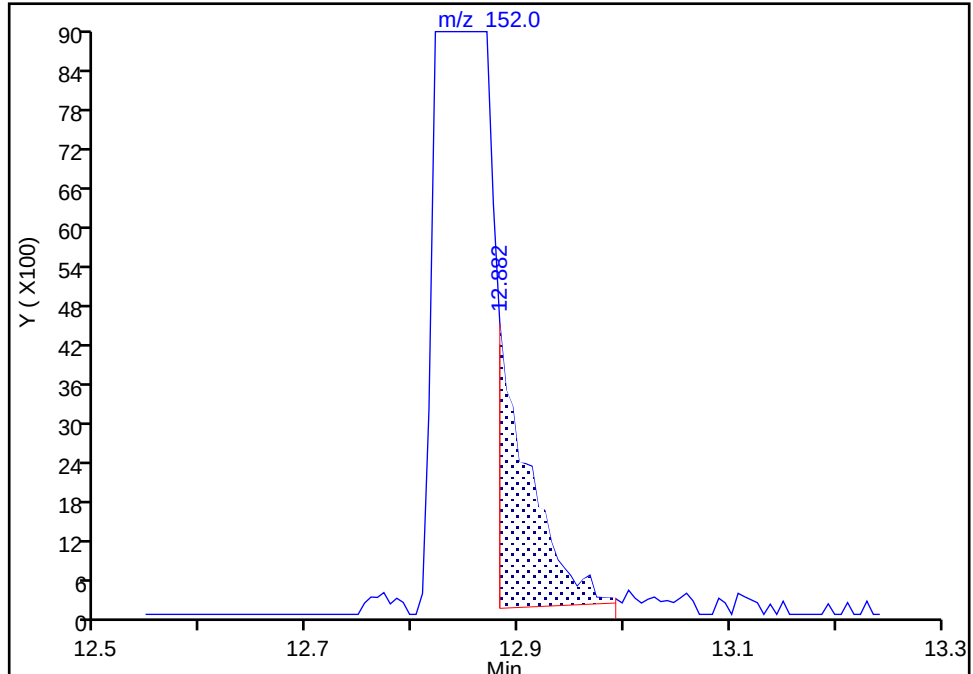
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Injection Date: 14-Jun-2024 20:13:30 Instrument ID: 10193
Lims ID: IC STD5 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

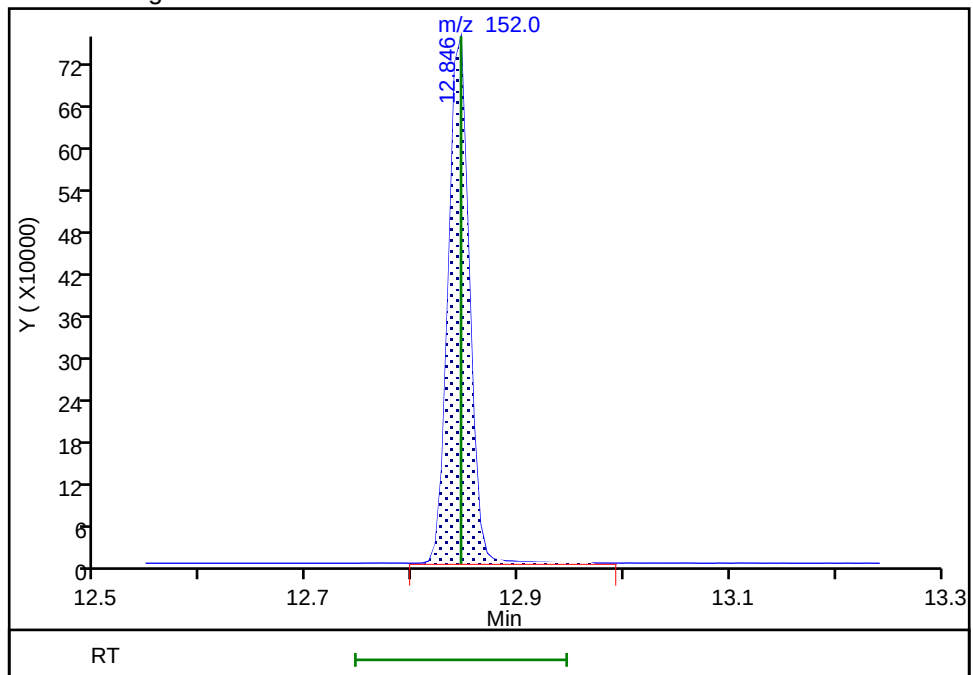
RT: 12.88
Area: 8918
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 12.85
Area: 1043540
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:13:30 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X07.D
 Lims ID: IC STD10 Sm
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 14-Jun-2024 20:35:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116724-008
 Misc. Info.: IC STD10 SM
 Operator ID: MEC29284 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub26
 Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 19:28:33 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1606

First Level Reviewer: UCB5

Date: 16-Jun-2024 13:14:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.762	1.762	0.000	93	290674	10.0	10.1	
3 Chlorodifluoromethane	51	1.811	1.811	0.000	97	663098	10.0	9.28	
4 Dimethyl ether	45	1.860	1.860	0.000	99	718466	10.0	9.74	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.153	2.153	0.000	33	697666	10.0	9.85	
27 Acetonitrile	41	3.561	3.561	0.000	98	161395	50.0	49.8	
* 31 t-Butyl alcohol-d10 (IS)	65	3.792	3.792	0.000	96	169129	50.0	50.0	
38 Vinyl acetate	43	4.780	4.780	0.000	97	591536	10.0	8.79	
46 Ethyl acetate	43	5.682	5.682	0.000	99	378013	10.0	9.23	
63 Isopropyl acetate	43	6.956	6.956	0.000	98	828807	10.0	9.15	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2216624	10.0	10.0	
75 n-Propyl acetate	61	8.292	8.292	0.000	98	191314	10.0	9.30	
79 2-Chloroethyl vinyl ether	63	8.840	8.840	0.000	92	287969	10.0	10.4	
109 n-Butyl acetate	43	10.316	10.316	0.000	98	782776	10.0	9.30	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	83	1766238	10.0	10.0	M
122 cis-1,4-Dichloro-2-butene	88	11.852	11.852	0.000	97	376311	20.0	20.7	
123 Cyclohexanone	55	11.876	11.876	0.000	91	588934	500.0	486.4	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.846	0.000	93	1007513	10.0	10.0	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00037	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00008	Amount Added: 8.00	Units: uL
MSV_V_SMRV4_00071	Amount Added: 5.00	Units: uL
MSV_HP25_ISO_00010	Amount Added: 1.00	Units: uL
MSV_DME_00055	Amount Added: 1.00	Units: uL

Report Date: 17-Jun-2024 19:28:33

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X07.D

Injection Date: 14-Jun-2024 20:35:30

Instrument ID: 10193

Operator ID: MEC29284

Lims ID: IC STD10 Sm

Worklist Smp#: 8

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

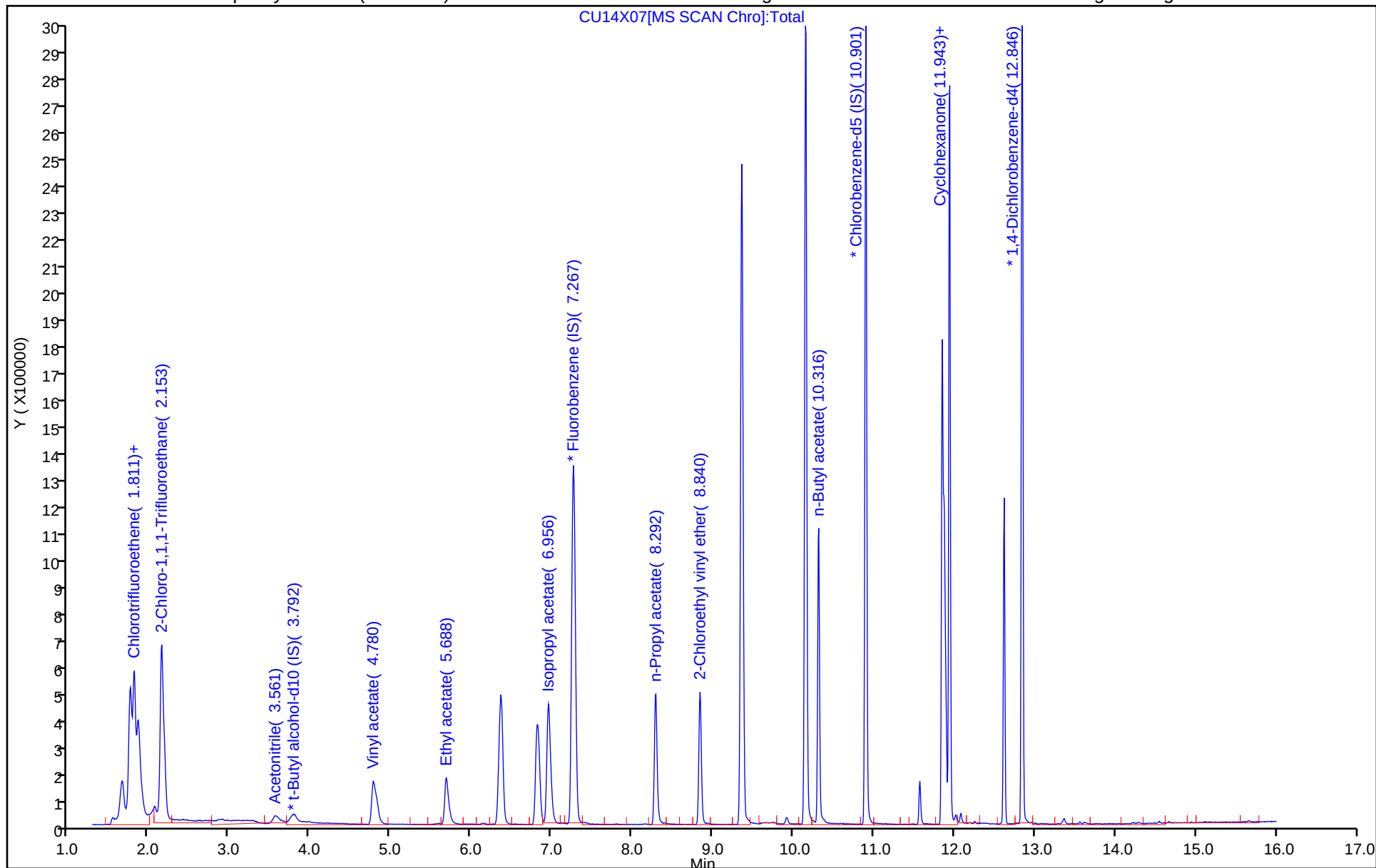
ALS Bottle#: 7

Method: MSV_10193_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

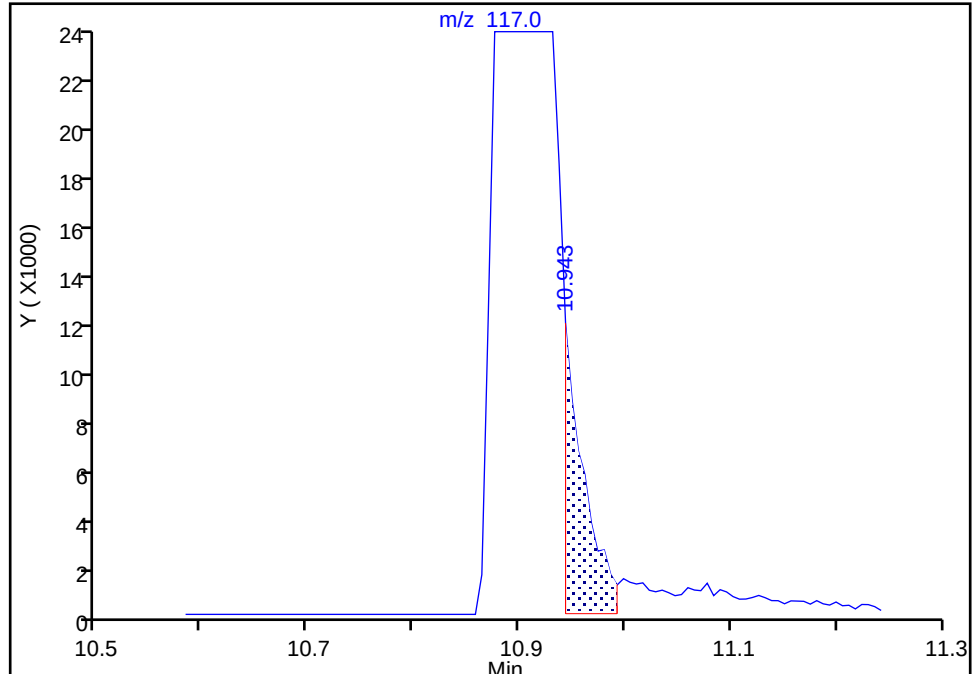
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X07.D
Injection Date: 14-Jun-2024 20:35:30 Instrument ID: 10193
Lims ID: IC STD10 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 111 Chlorobenzene-d5 (IS), CAS: 3114-55-4

Signal: 1

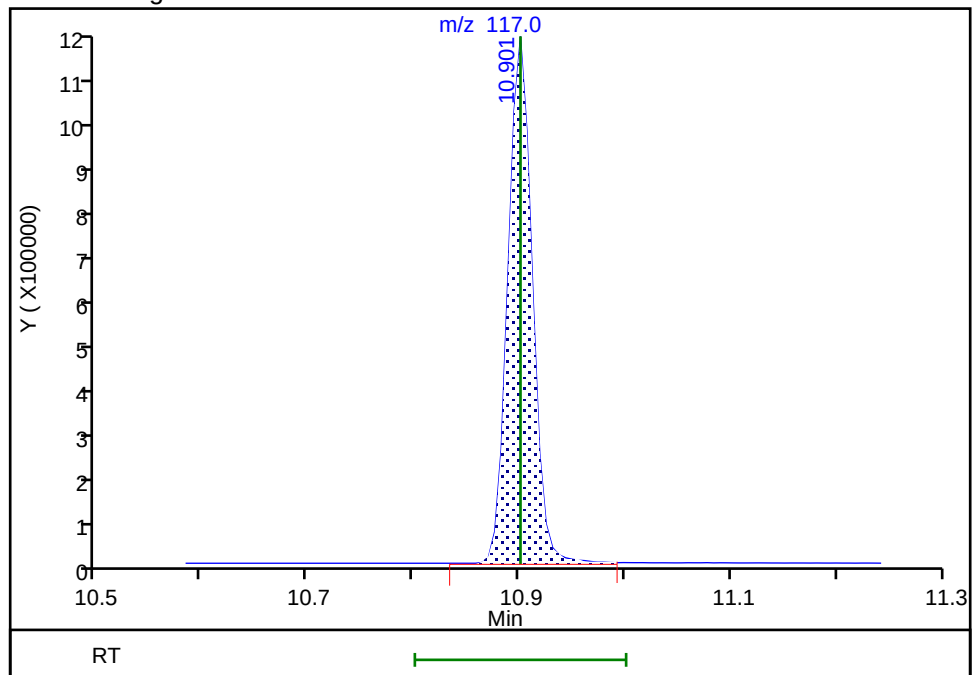
RT: 10.94
Area: 15675
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 10.90
Area: 1766238
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:14:14 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

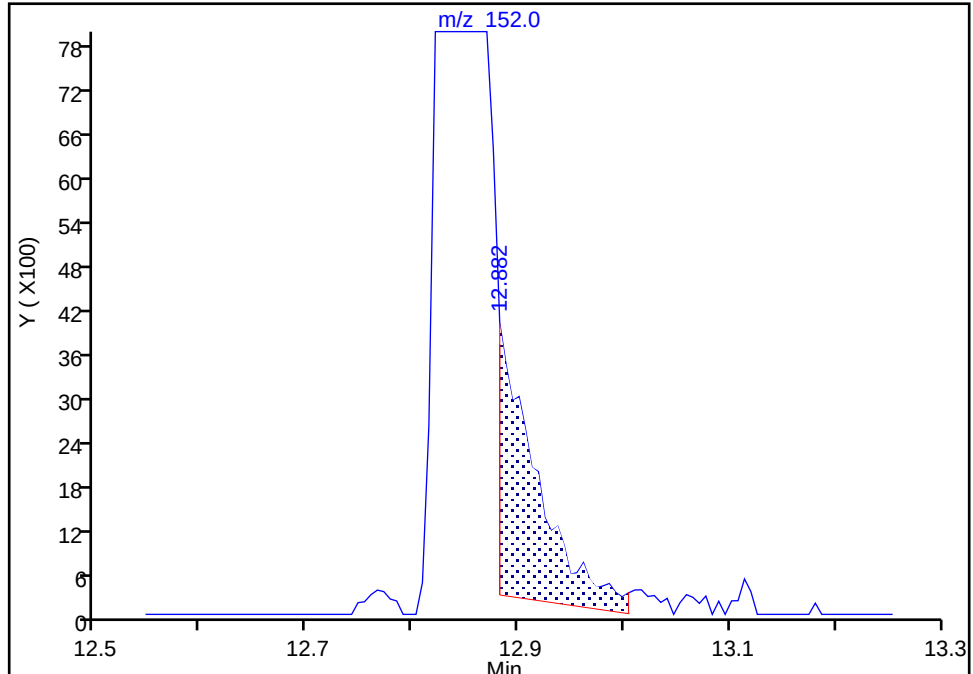
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X07.D
Injection Date: 14-Jun-2024 20:35:30 Instrument ID: 10193
Lims ID: IC STD10 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

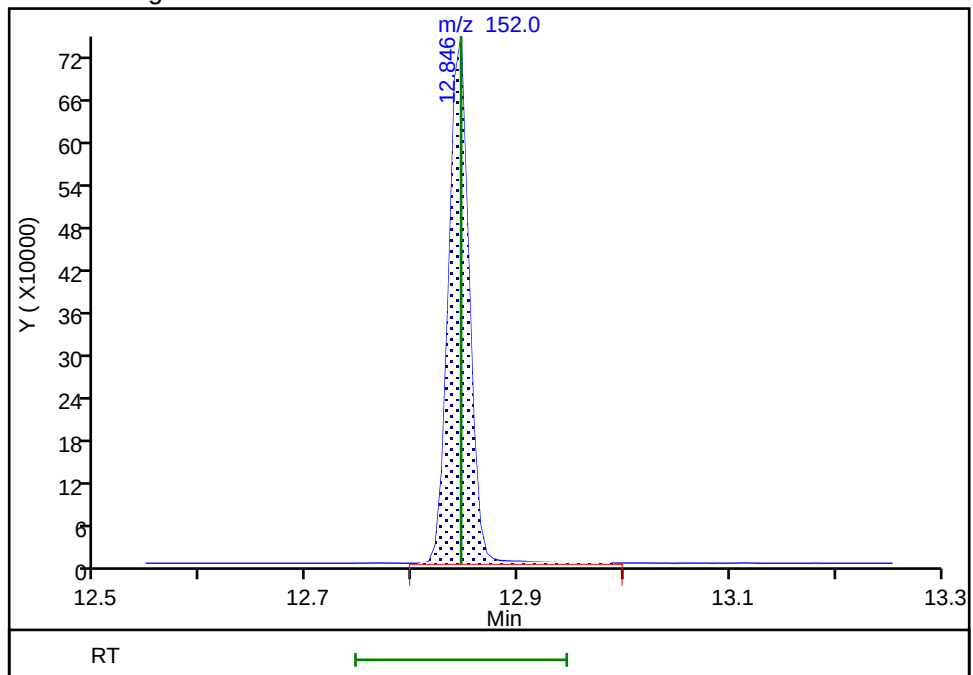
RT: 12.88
Area: 9427
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 12.85
Area: 1007513
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:14:33 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X08.D
 Lims ID: IC STD25 Sm
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 14-Jun-2024 20:58:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116724-009
 Misc. Info.: IC STD25 SM
 Operator ID: MEC29284 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub26
 Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 19:28:36 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1606

First Level Reviewer: UCB5

Date: 16-Jun-2024 13:15:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.762	1.762	0.000	93	751862	25.0	25.5	
3 Chlorodifluoromethane	51	1.817	1.811	0.006	97	1644844	25.0	22.5	
4 Dimethyl ether	45	1.866	1.860	0.006	98	1717783	25.0	22.8	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.152	2.153	-0.001	33	1758521	25.0	24.3	
27 Acetonitrile	41	3.561	3.561	0.000	99	383998	125.0	115.8	
* 31 t-Butyl alcohol-d10 (IS)	65	3.811	3.792	0.019	96	171543	50.0	50.0	
38 Vinyl acetate	43	4.786	4.780	0.006	97	1320162	25.0	19.2	
46 Ethyl acetate	43	5.688	5.682	0.006	99	931100	25.0	22.2	
63 Isopropyl acetate	43	6.956	6.956	0.000	98	2073951	25.0	22.4	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2266360	10.0	10.0	
75 n-Propyl acetate	61	8.291	8.292	-0.001	98	479977	25.0	22.8	
79 2-Chloroethyl vinyl ether	63	8.840	8.840	0.000	92	728916	25.0	25.6	
109 n-Butyl acetate	43	10.315	10.316	-0.001	98	1919068	25.0	22.5	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	83	1787560	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.852	11.852	0.000	97	949343	50.0	51.5	
123 Cyclohexanone	55	11.876	11.876	0.000	91	1480018	1250.0	1205.2	
* 139 1,4-Dichlorobenzene-d4	152	12.845	12.846	-0.001	93	1032134	10.0	10.0	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00037	Amount Added: 2.50	Units: uL
MSV_CCV_CYC_00008	Amount Added: 20.00	Units: uL
MSV_V_SMRV4_00071	Amount Added: 12.50	Units: uL
MSV_HP25_ISO_00010	Amount Added: 1.00	Units: uL
MSV_DME_00055	Amount Added: 2.50	Units: uL

Report Date: 17-Jun-2024 19:28:36

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X08.D

Injection Date: 14-Jun-2024 20:58:30

Instrument ID: 10193

Operator ID: MEC29284

Lims ID: IC STD25 Sm

Worklist Smp#: 9

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

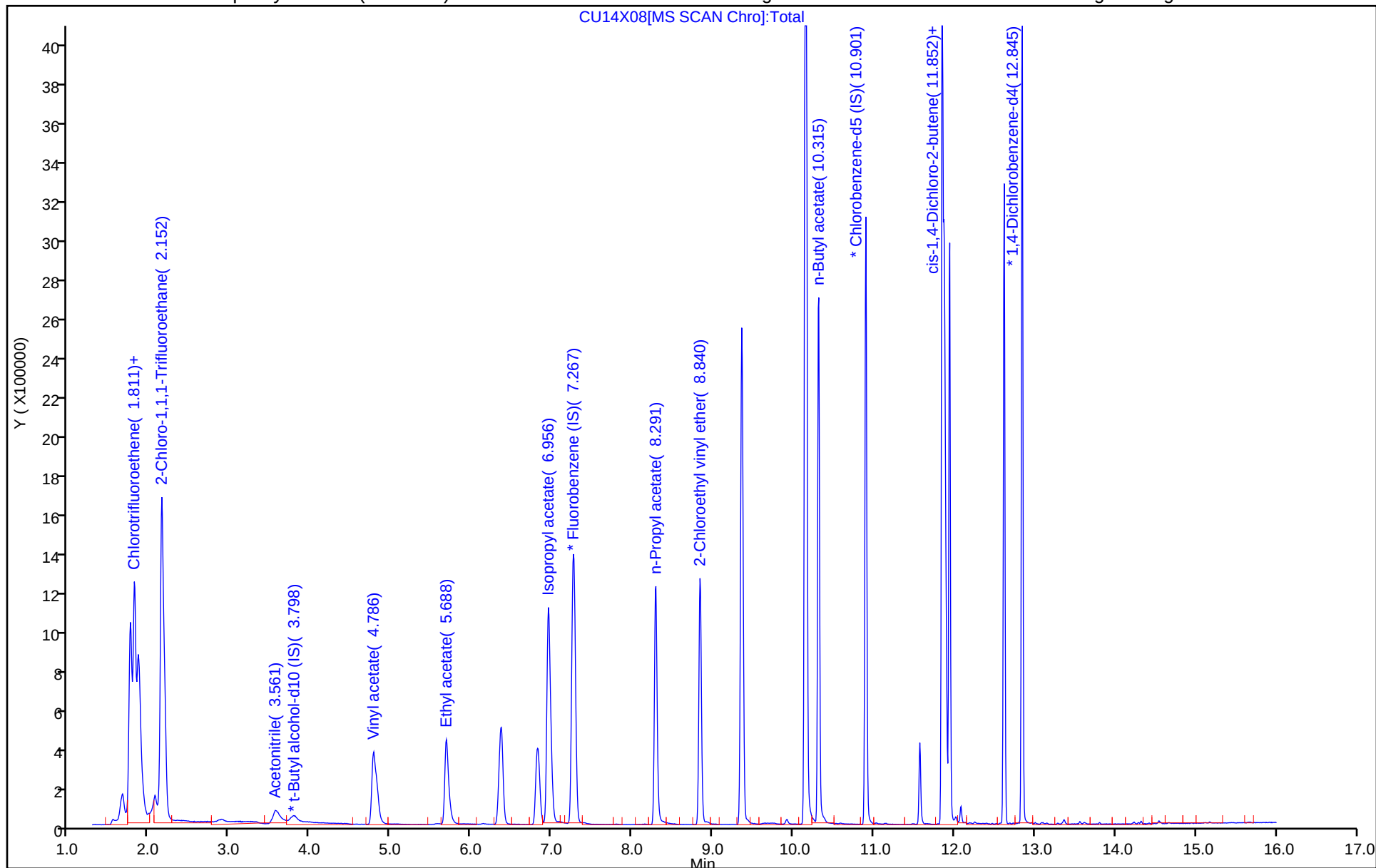
ALS Bottle#: 8

Method: MSV_10193_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

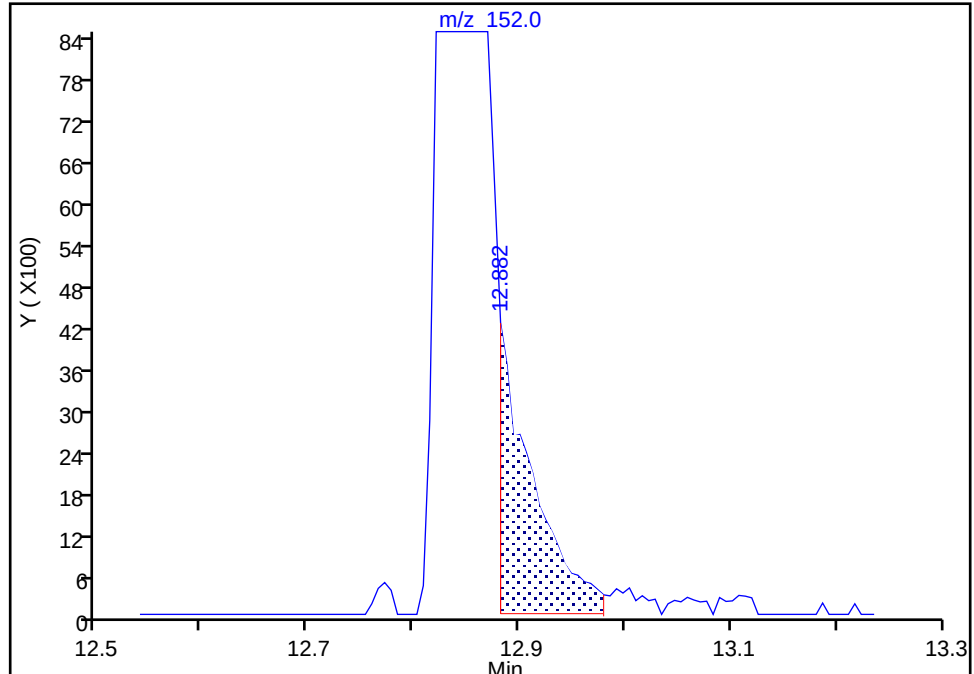
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Injection Date: 14-Jun-2024 20:58:30 Instrument ID: 10193
Lims ID: IC STD25 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

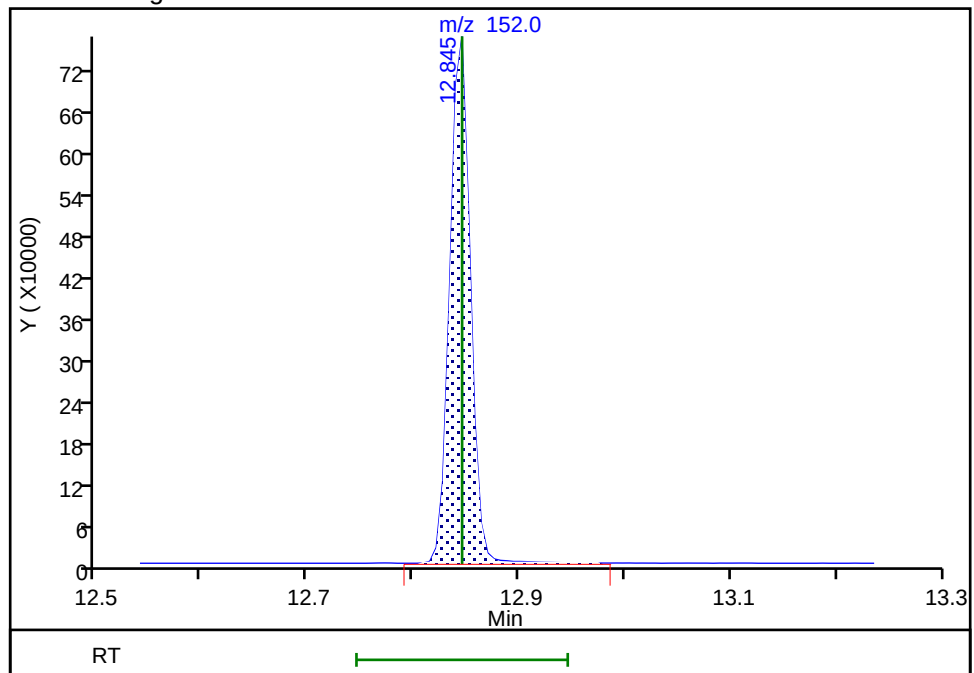
RT: 12.88
Area: 9473
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 12.85
Area: 1032134
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:15:22 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

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

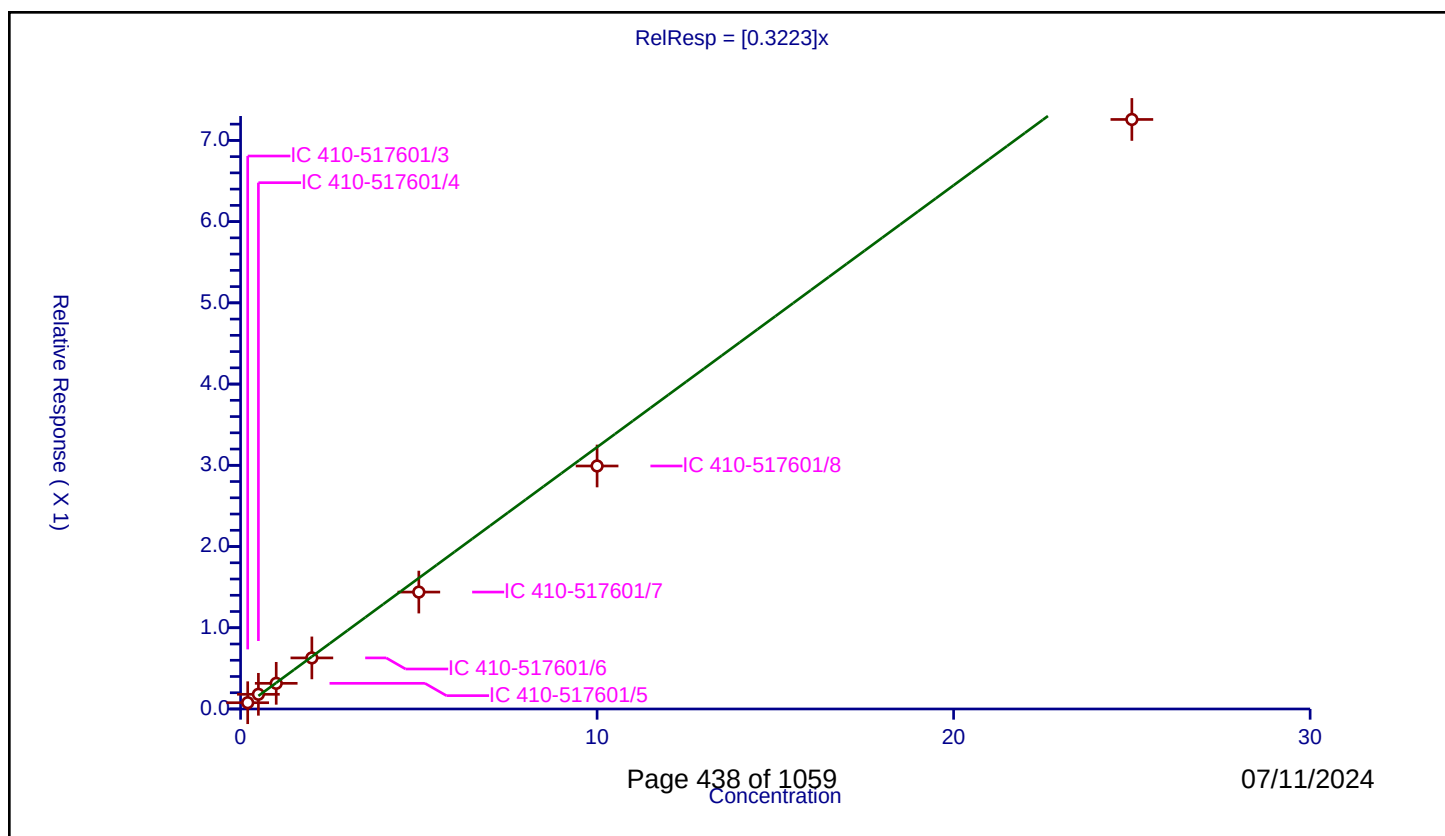
Curve Coefficients

Intercept: 0
Slope: 0.3223

Error Coefficients

Relative Standard Deviation: 11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/3	0.2	0.077398	10.0	2213224.0	0.386992	Y
2	IC 410-517601/4	0.5	0.180862	10.0	2244091.0	0.361723	Y
3	IC 410-517601/5	1.0	0.315959	10.0	2229529.0	0.315959	Y
4	IC 410-517601/6	2.0	0.628867	10.0	2275521.0	0.314433	Y
5	IC 410-517601/7	5.0	1.439273	10.0	2298834.0	0.287855	Y
6	IC 410-517601/8	10.0	2.991477	10.0	2216624.0	0.299148	Y
7	IC 410-517601/9	25.0	7.257647	10.0	2266360.0	0.290306	Y



Calibration

/ Dimethyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

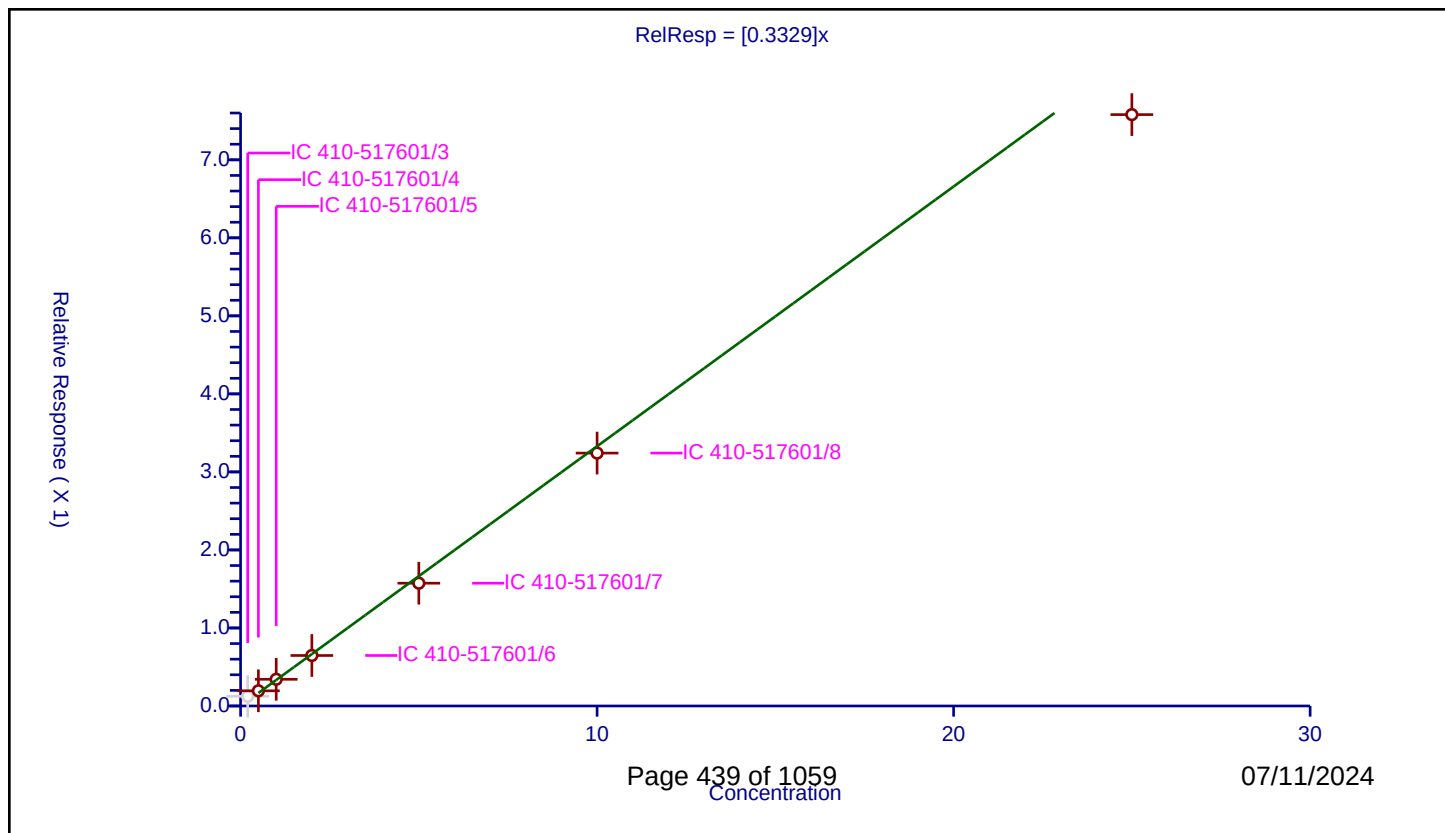
Curve Coefficients

Intercept: 0
Slope: 0.3329

Error Coefficients

Relative Standard Deviation: 9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/3	0.2	0.123752	10.0	2213224.0	0.618758	N
2	IC 410-517601/4	0.5	0.194765	10.0	2244091.0	0.38953	Y
3	IC 410-517601/5	1.0	0.342243	10.0	2229529.0	0.342243	Y
4	IC 410-517601/6	2.0	0.647025	10.0	2275521.0	0.323513	Y
5	IC 410-517601/7	5.0	1.573815	10.0	2298834.0	0.314763	Y
6	IC 410-517601/8	10.0	3.241262	10.0	2216624.0	0.324126	Y
7	IC 410-517601/9	25.0	7.57948	10.0	2266360.0	0.303179	Y



Calibration

/ Acetonitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

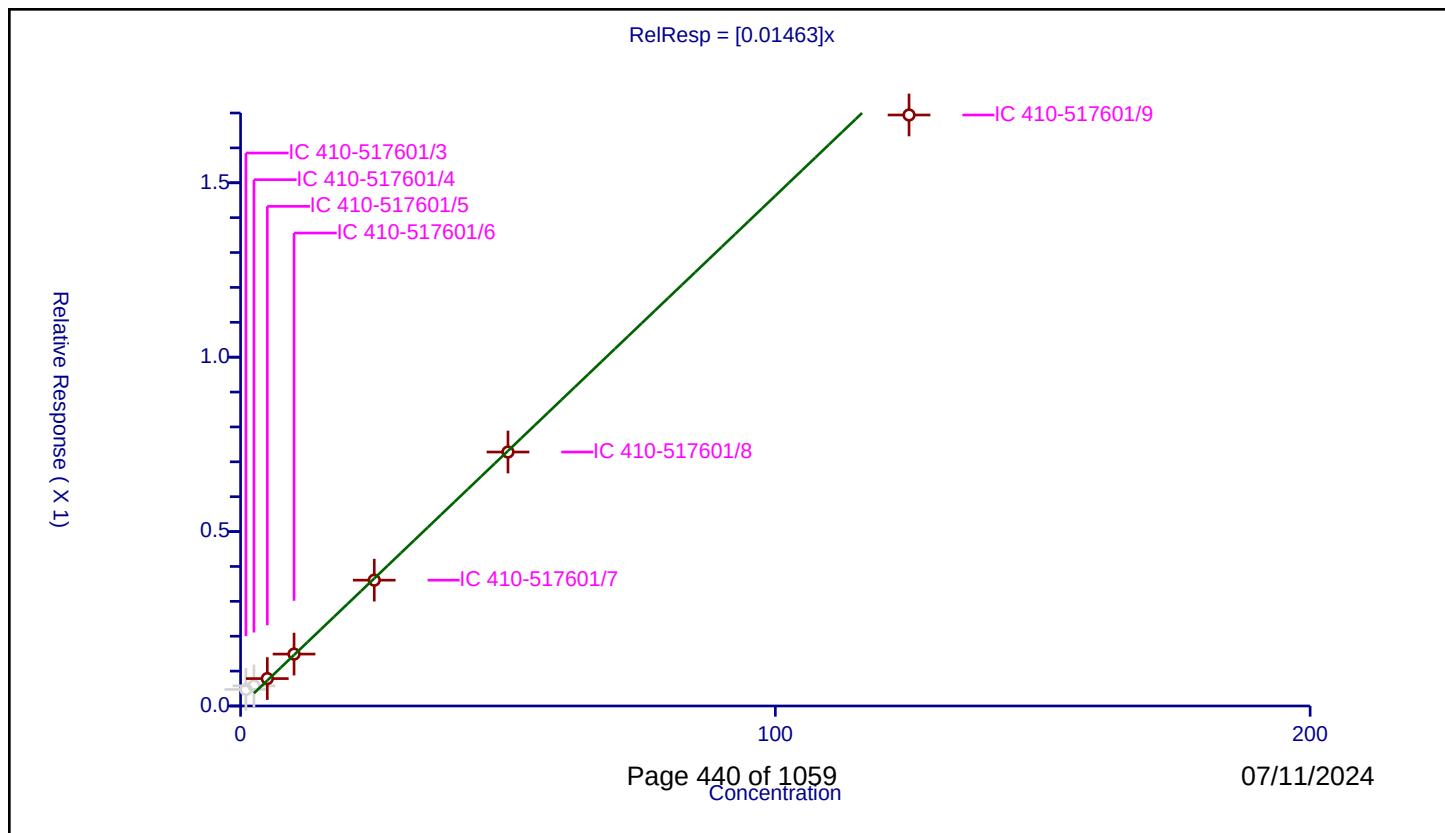
Curve Coefficients

Intercept: 0
Slope: 0.01463

Error Coefficients

Relative Standard Deviation: 5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/3	1.0	0.047474	10.0	2213224.0	0.047474	N
2	IC 410-517601/4	2.5	0.057783	10.0	2244091.0	0.023113	N
3	IC 410-517601/5	5.0	0.078559	10.0	2229529.0	0.015712	Y
4	IC 410-517601/6	10.0	0.148823	10.0	2275521.0	0.014882	Y
5	IC 410-517601/7	25.0	0.360713	10.0	2298834.0	0.014429	Y
6	IC 410-517601/8	50.0	0.728112	10.0	2216624.0	0.014562	Y
7	IC 410-517601/9	125.0	1.694338	10.0	2266360.0	0.013555	Y



Calibration

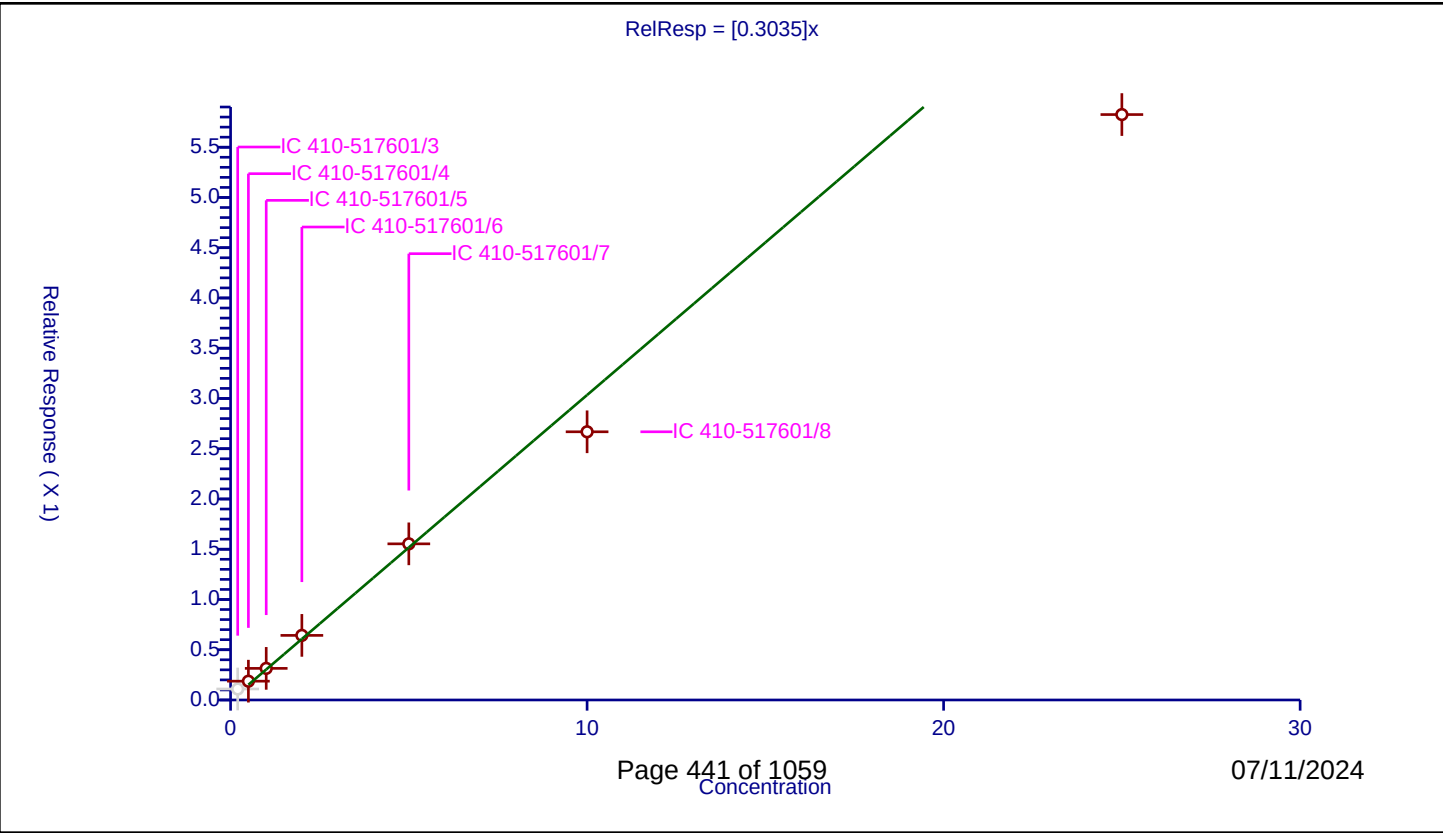
/ Vinyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3035
Error Coefficients	

Relative Standard Deviation: 16.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/3	0.2	0.109447	10.0	2213224.0	0.547233	N
2	IC 410-517601/4	0.5	0.187056	10.0	2244091.0	0.374111	Y
3	IC 410-517601/5	1.0	0.314591	10.0	2229529.0	0.314591	Y
4	IC 410-517601/6	2.0	0.64282	10.0	2275521.0	0.32141	Y
5	IC 410-517601/7	5.0	1.553683	10.0	2298834.0	0.310737	Y
6	IC 410-517601/8	10.0	2.668635	10.0	2216624.0	0.266863	Y
7	IC 410-517601/9	25.0	5.825032	10.0	2266360.0	0.233001	Y



Calibration

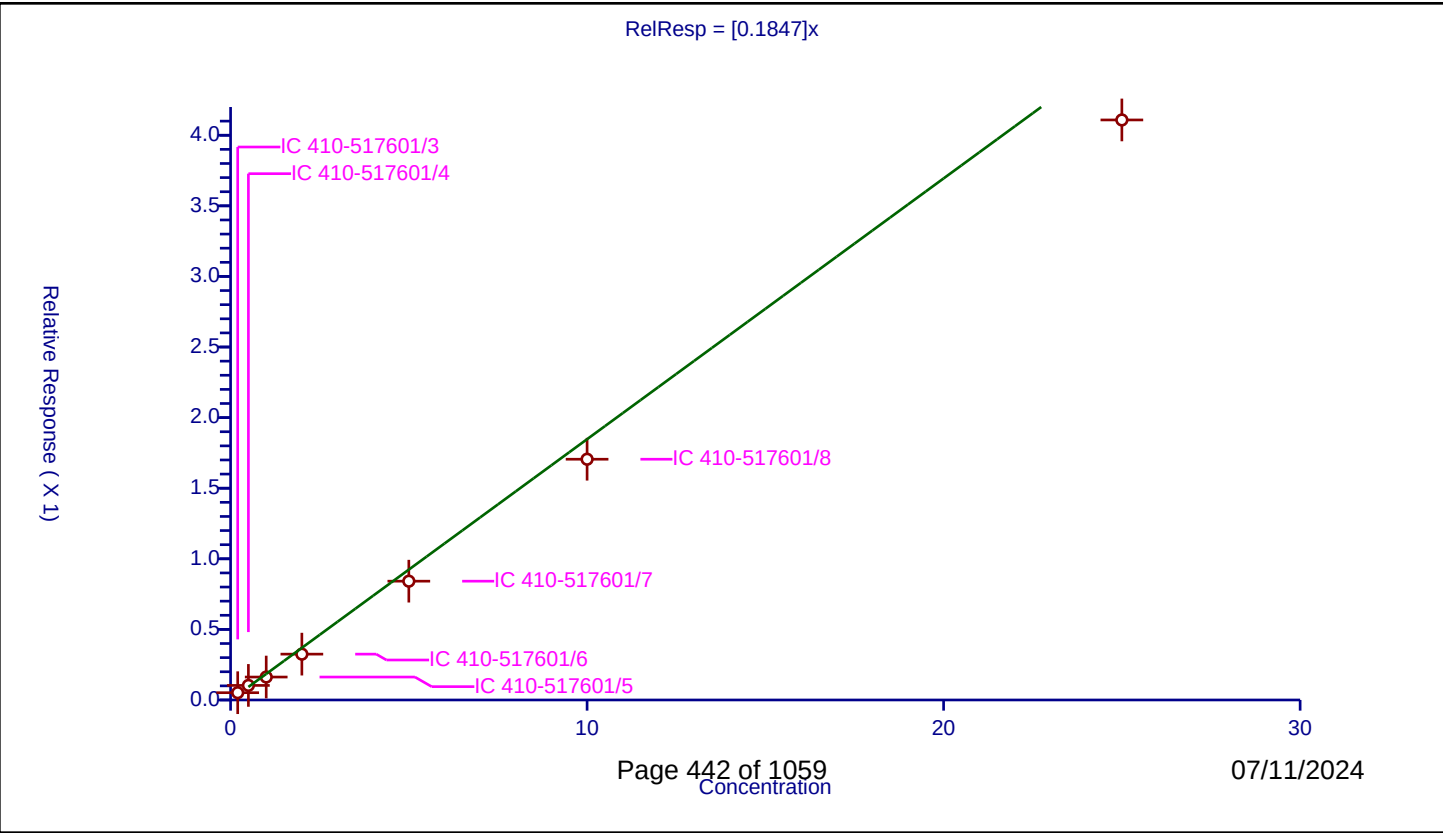
/ Ethyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1847
Error Coefficients	

Relative Standard Deviation: 19.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/3	0.2	0.051662	10.0	2213224.0	0.258311	Y
2	IC 410-517601/4	0.5	0.103298	10.0	2244091.0	0.206596	Y
3	IC 410-517601/5	1.0	0.162505	10.0	2229529.0	0.162505	Y
4	IC 410-517601/6	2.0	0.324752	10.0	2275521.0	0.162376	Y
5	IC 410-517601/7	5.0	0.841522	10.0	2298834.0	0.168304	Y
6	IC 410-517601/8	10.0	1.705355	10.0	2216624.0	0.170535	Y
7	IC 410-517601/9	25.0	4.10835	10.0	2266360.0	0.164334	Y



Calibration

/ 2-Chloroethyl vinyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

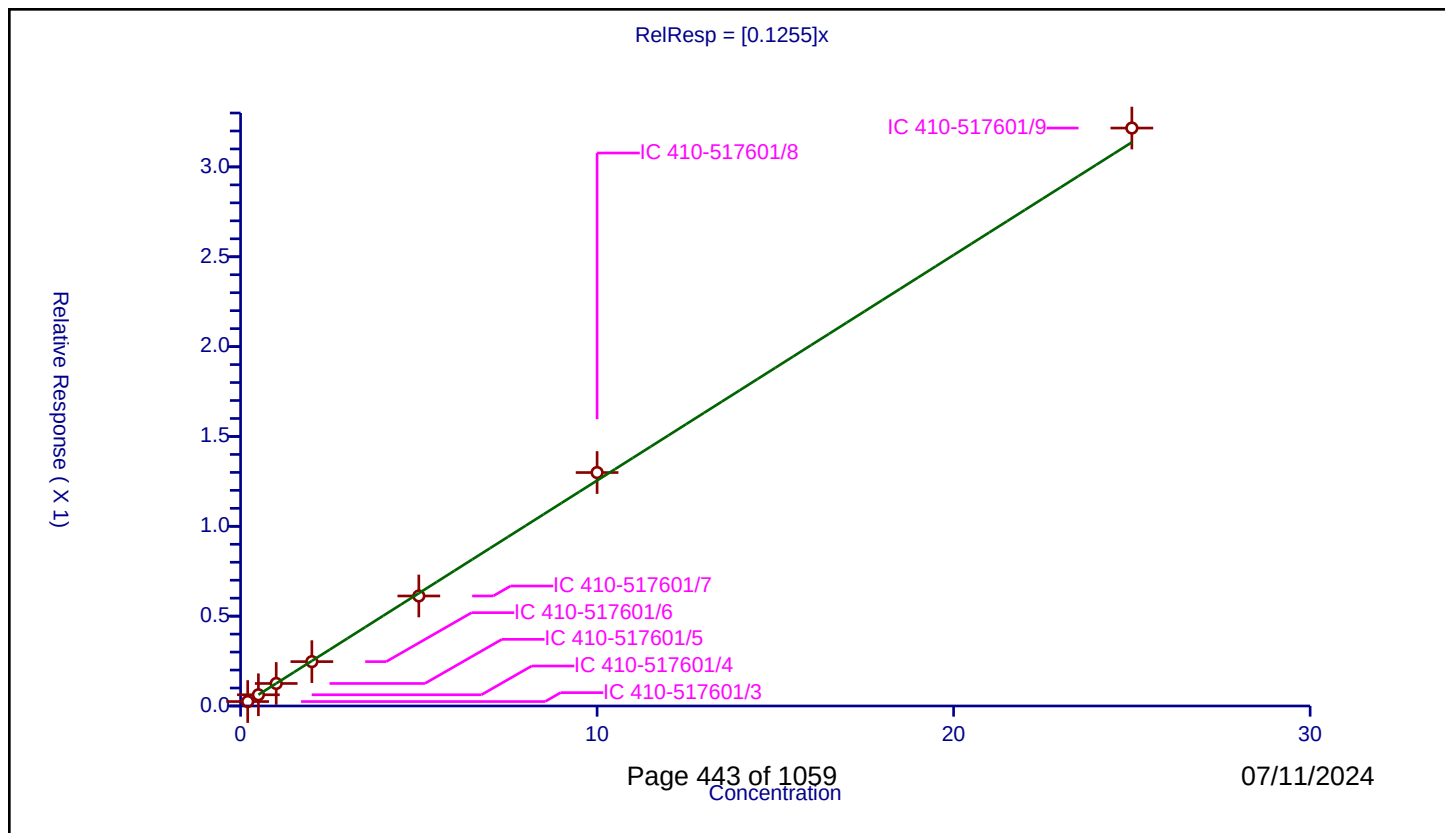
Curve Coefficients

Intercept: 0
Slope: 0.1255

Error Coefficients

Relative Standard Deviation: 2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/3	0.2	0.024783	10.0	2213224.0	0.123914	Y
2	IC 410-517601/4	0.5	0.062377	10.0	2244091.0	0.124754	Y
3	IC 410-517601/5	1.0	0.125309	10.0	2229529.0	0.125309	Y
4	IC 410-517601/6	2.0	0.246845	10.0	2275521.0	0.123422	Y
5	IC 410-517601/7	5.0	0.612184	10.0	2298834.0	0.122437	Y
6	IC 410-517601/8	10.0	1.299133	10.0	2216624.0	0.129913	Y
7	IC 410-517601/9	25.0	3.216241	10.0	2266360.0	0.12865	Y

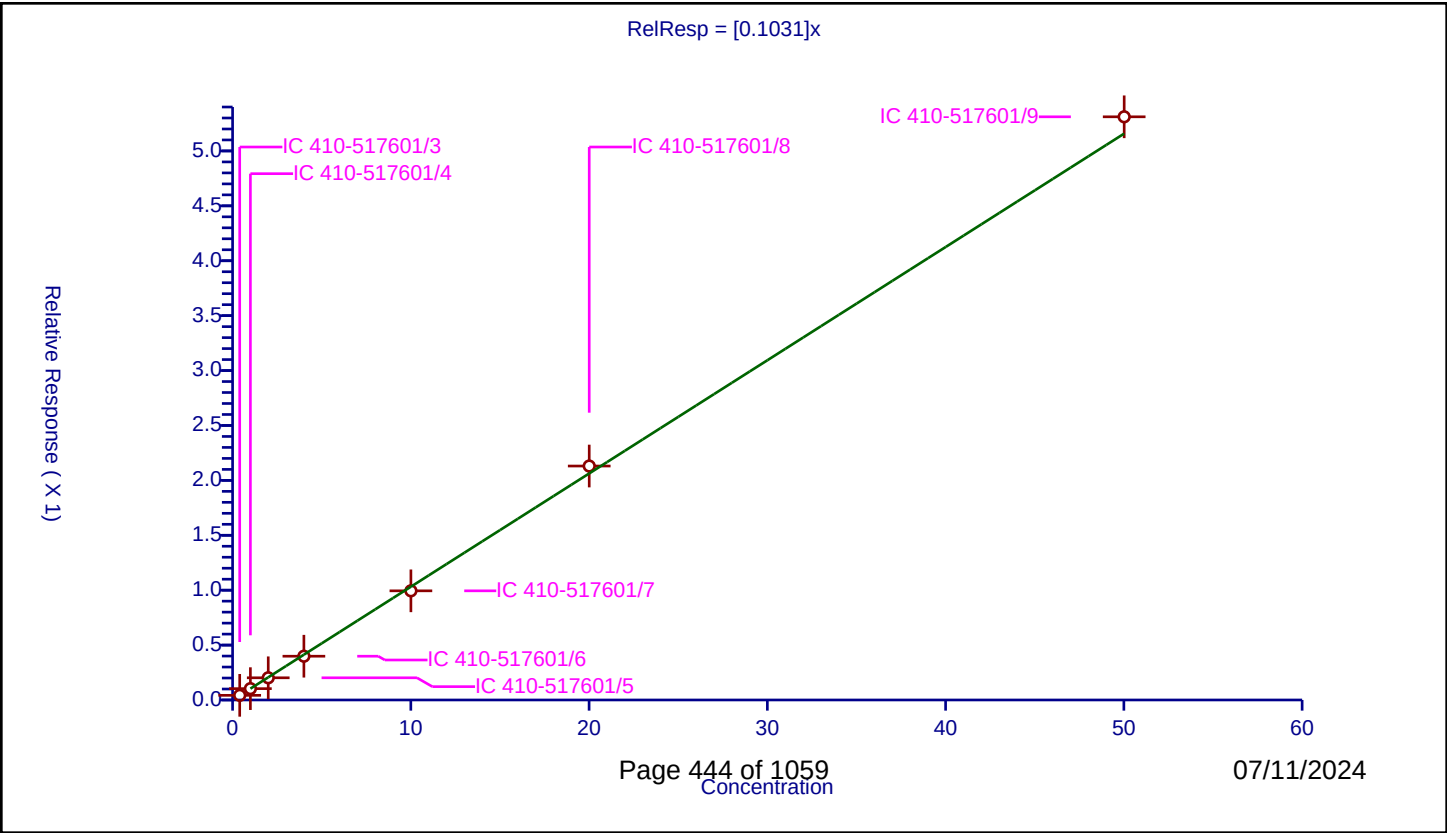


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1031
Error Coefficients	

Relative Standard Deviation: 3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/3	0.40014	0.042345	10.0	1768346.0	0.105825	Y
2	IC 410-517601/4	1.00035	0.10341	10.0	1787741.0	0.103374	Y
3	IC 410-517601/5	2.0007	0.202049	10.0	1772095.0	0.100989	Y
4	IC 410-517601/6	4.0014	0.398645	10.0	1805744.0	0.099626	Y
5	IC 410-517601/7	10.0035	0.99413	10.0	1810185.0	0.099378	Y
6	IC 410-517601/8	20.007	2.130579	10.0	1766238.0	0.106492	Y
7	IC 410-517601/9	50.0175	5.310832	10.0	1787560.0	0.106179	Y

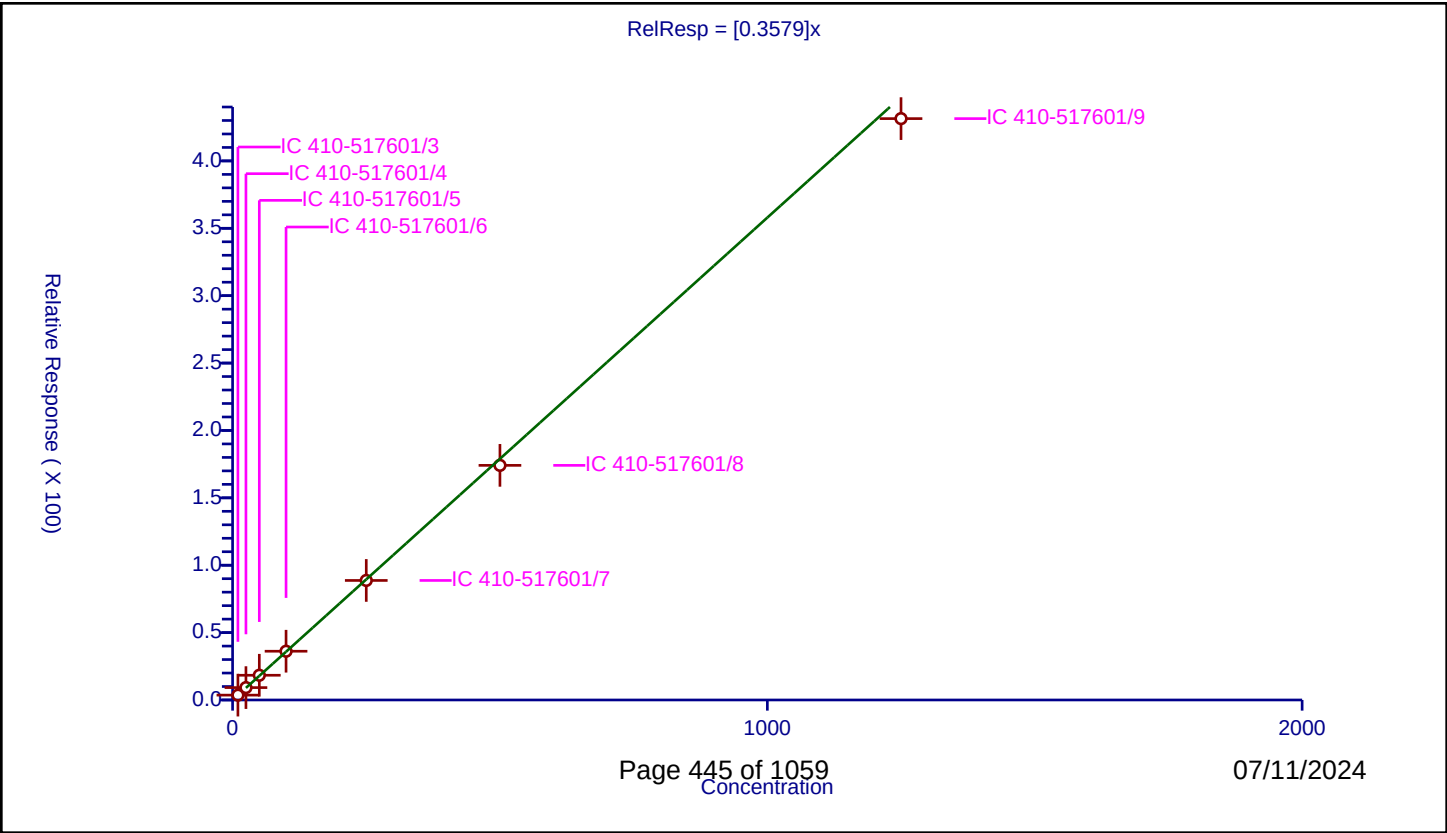


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3579
Error Coefficients	

Relative Standard Deviation: 2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/3	9.999698	3.610488	50.0	174644.0	0.36106	Y
2	IC 410-517601/4	24.999246	9.188586	50.0	178836.0	0.367555	Y
3	IC 410-517601/5	49.998492	18.351917	50.0	180270.0	0.367049	Y
4	IC 410-517601/6	99.996984	36.175072	50.0	177755.0	0.361762	Y
5	IC 410-517601/7	249.99246	88.705217	50.0	191283.0	0.354832	Y
6	IC 410-517601/8	499.98492	174.107929	50.0	169129.0	0.348226	Y
7	IC 410-517601/9	1249.9623	431.383968	50.0	171543.0	0.345118	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-517601/13	CU14X12.D
Level 2	IC 410-517601/14	CU14X13.D
Level 3	IC 410-517601/15	CU14X14.D
Level 4	IC 410-517601/16	CU14X15.D
Level 5	IC 410-517601/17	CU14X16.D
Level 6	ICIS 410-517601/18	CU14X17.D
Level 7	IC 410-517601/19	CU14X18.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	0.3585 0.3217	0.3306 0.3413	0.3183	0.3264	0.3277	Ave		0.332 1			0.1000	4.1		20.0			
Chloromethane	0.3949 0.3548	0.3939 0.3732	0.3609	0.3861	0.3625	Ave		0.375 2			0.1000	4.4		20.0			
Vinyl chloride	0.3827 0.3540	0.3769 0.3765	0.3550	0.3807	0.3585	Ave		0.369 2			0.1000	3.5		20.0			
1,3-Butadiene	0.4306 0.3780	0.3905 0.3872	0.3969	0.3971	0.3818	Ave		0.394 6				4.4		20.0			
Bromomethane	0.2911 0.2468	0.2647 0.2588	0.2475	0.2628	0.2461	Ave		0.259 7			0.1000	6.1		20.0			
Chloroethane	0.2265 0.2026	0.2121 0.2134	0.2041	0.2150	0.2064	Ave		0.211 4			0.1000	3.9		20.0			
Dichlorofluoromethane	0.5749 0.5358	0.5299 0.5650	0.5276	0.5641	0.5372	Ave		0.547 8			0.1000	3.6		20.0			
Trichlorofluoromethane	0.4629 0.4154	0.4228 0.4344	0.4155	0.4379	0.4182	Ave		0.429 6			0.1000	4.0		20.0			
Ethyl ether	0.1994 0.1898	0.1907 0.2039	0.1919	0.1920	0.1905	Ave		0.194 0				2.8		20.0			
Freon 123a	0.3474 0.3040	0.3222 0.3231	0.2975	0.3139	0.3045	Ave		0.316 1				5.3		20.0			
Acrolein	1.9170 1.9925	1.7383 2.0355	1.9332	2.0045	1.8673	Ave		1.926 9				5.2		20.0			
1,1-Dichloroethene	0.2565 0.2155	0.2359 0.2291	0.2190	0.2287	0.2168	Ave		0.228 8			0.1000	6.3		20.0			
Acetone	3.0309 2.3621	2.5283 2.3329	2.3724	2.4062	2.3250	Ave		2.479 7			0.1000	10.2		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 Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

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	0.2432 0.2334	0.2328 0.2416	0.2247	0.2348	0.2370	Ave		0.235 4			0.1000	2.6		20.0			
Methyl iodide	0.4968 0.4660	0.4652 0.4959	0.4600	0.4820	0.4687	Ave		0.476 4				3.2		20.0			
Ethyl bromide	0.2074 0.2041	0.2085 0.2203	0.2067	0.2061	0.2048	Ave		0.208 3				2.7		20.0			
Carbon disulfide	0.7665 0.7283	0.7161 0.7885	0.7089	0.7572	0.7329	Ave		0.742 6			0.1000	3.9		20.0			
Methyl acetate	8.0171 6.8786	7.2486 6.8930	6.6617	7.2602	6.8733	Ave		7.118 9			0.1000	6.3		20.0			
Allyl chloride	0.3841 0.3735	0.3706 0.4012	0.3719	0.3849	0.3740	Ave		0.380 n				2.9		20.0			
Methylene Chloride	0.3293 0.2548	0.2711 0.2689	0.2687	0.2595	0.2558	Ave		0.272 6			0.1000	9.5		20.0			
t-Butyl alcohol	1.1323 0.8629	1.0159 0.8887	0.9839	1.0305	0.8527	Ave		0.966 7				10.7		20.0			
Acrylonitrile	4.5745 3.3508	3.4807 3.3586	3.6236	3.8018	3.1573	Ave		3.621 n				12.9		20.0			
Methyl tert-butyl ether	0.7265 0.6970	0.6904 0.7293	0.6839	0.6843	0.6763	Ave		0.698 3			0.1000	3.0		20.0			
trans-1,2-Dichloroethene	0.2894 0.2639	0.2673 0.2796	0.2679	0.2765	0.2664	Ave		0.273 n			0.1000	3.4		20.0			
n-Hexane	0.4030 0.3437	0.3498 0.3594	0.3322	0.3493	0.3451	Ave		0.354 6				6.4		20.0			
1,1-Dichloroethane	0.4830 0.4602	0.4589 0.4884	0.4575	0.4710	0.4641	Ave		0.469 n			0.2000	2.6		20.0			
di-Isopropyl ether	0.8707 0.8222	0.8199 0.8737	0.8177	0.8263	0.8211	Ave		0.836 n				3.0		20.0			
2-Chloro-1,3-butadiene	0.4212 0.3770	0.3766 0.4017	0.3735	0.3908	0.3818	Ave		0.389 n				4.4		20.0			
Ethyl t-butyl ether	0.8832 0.8073	0.8055 0.8537	0.7845	0.7972	0.8017	Ave		0.819 n				4.3		20.0			
2-Butanone (MEK)	4.7956 4.5598	4.1839 4.5382	4.6416	4.8314	4.3029	Ave		4.550 5			0.1000	5.3		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 Job No.: 410-177855-1 Analy Batch No.: 517601
 Environment Testing, LLC

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.3270 0.2981	0.2961 0.3173	0.3006	0.3083	0.2992	Ave		0.306 7			0.1000	3.8		20.0			
2,2-Dichloropropane	0.4305 0.3652	0.4019 0.3854	0.3738	0.3937	0.3707	Ave		0.388 8				5.8		20.0			
Propionitrile	1.2145 1.2936	1.1256 1.3442	1.2064	1.3273	1.0821	Ave		1.227 7				8.2		20.0			
Methacrylonitrile	4.8532 4.3712	4.0967 4.4966	4.6136	4.7386	4.3259	Ave		4.499 4				5.8		20.0			
Tetrahydrofuran	1.6826 1.3283	1.3930 1.3547	1.4472	1.4477	1.2951	Ave		1.421 2				9.1		20.0			
Bromochloromethane	0.1481 0.1400	0.1374 0.1467	0.1389	0.1403	0.1401	Ave		0.141 6				2.9		20.0			
Chloroform	0.5881 0.4613	0.5052 0.4871	0.4861	0.4827	0.4676	Ave		0.496 9			0.2000	8.6		20.0			
1,1,1-Trichloroethane	0.4449 0.4013	0.4106 0.4261	0.3981	0.4174	0.4071	Ave		0.415 1			0.1000	3.9		20.0			
Cyclohexane	0.4718 0.4406	0.4273 0.4600	0.4208	0.4336	0.4407	Ave		0.442 1			0.1000	4.1		20.0			
Carbon tetrachloride	0.3871 0.3705	0.3621 0.3977	0.3652	0.3762	0.3726	Ave		0.375 9			0.1000	3.3		20.0			
1,1-Dichloropropene	0.3922 0.3602	0.3625 0.3880	0.3540	0.3756	0.3650	Ave		0.371 1				3.9		20.0			
Isobutyl alcohol	0.3538 0.3432	0.3284 0.3349	0.3621	0.3693	0.3357	Ave		0.346 8				4.4		20.0			
Benzene	1.1628 1.0846	1.1106 1.1537	1.0906	1.1210	1.0835	Ave		1.115 3			0.5000	2.9		20.0			
1,2-Dichloroethane	0.2951 0.2777	0.2868 0.2891	0.2852	0.2774	0.2800	Ave		0.284 5			0.1000	2.3		20.0			
t-Amyl methyl ether	0.7819 0.7663	0.7379 0.8031	0.7430	0.7459	0.7505	Ave		0.761 2				3.1		20.0			
n-Heptane	0.3909 0.3669	0.3524 0.3781	0.3497	0.3658	0.3702	Ave		0.367 7				3.9		20.0			
n-Butanol	0.3235 0.3323	0.2857 0.3367	0.3426	0.3301	0.2805	Ave		0.318 8				7.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Trichloroethene	0.3303 0.2950	0.3057 0.3146	0.2976	0.3068	0.2994	Ave		0.307 n			0.2000	4.0		20.0			
Methylcyclohexane	0.5227 0.4951	0.4714 0.5181	0.4635	0.4794	0.4946	Ave		0.492 1			0.1000	4.6		20.0			
1,2-Dichloropropane	0.2971 0.2820	0.2788 0.3014	0.2764	0.2823	0.2805	Ave		0.285 5			0.1000	3.4		20.0			
1,4-Dioxane	0.0395 0.0618	0.0672 0.0682	0.0680	0.0659	0.0672	Ave		0.062 6			0.0050	16.6		20.0			
Methyl methacrylate	10.416 9.1635	9.1008 9.2547	9.7568	9.5409	8.8035	Ave		9.433 7				5.6		20.0			
Dibromomethane	0.1512 0.1424	0.1401 0.1538	0.1427	0.1414	0.1463	Ave		0.145 4				3.6		20.0			
Bromodichloromethane	0.3568 0.3421	0.3370 0.3639	0.3301	0.3413	0.3406	Ave		0.344 5			0.2000	3.4		20.0			
2-Nitropropane	2.6961 2.5790	2.2799 2.5796	2.5358	2.6680	2.4500	Ave		2.541 2				5.6		20.0			
1-Bromo-2-chloroethane	0.2753 0.2817	0.2735 0.2955	0.2761	0.2780	0.2742	Ave		0.279 2				2.8		20.0			
cis-1,3-Dichloropropene	0.4553 0.4446	0.4301 0.4743	0.4313	0.4425	0.4435	Ave		0.446 n			0.2000	3.4		20.0			
4-Methyl-2-pentanone (MIBK)	11.974 11.625	10.516 11.968	11.625	12.115	11.627	Ave		11.63 6			0.1000	4.6		20.0			
Toluene	0.9788 0.9331	0.9172 1.0012	0.9292	0.9611	0.9283	Ave		0.949 8			0.4000	3.3		20.0			
trans-1,3-Dichloropropene	0.5104 0.4838	0.4576 0.5208	0.4627	0.4701	0.4828	Ave		0.484 n			0.1000	4.9		20.0			
Ethyl methacrylate	0.4375 0.4174	0.3867 0.4453	0.3970	0.4055	0.4126	Ave		0.414 6				5.1		20.0			
1,1,2-Trichloroethane	0.2927 0.2665	0.2758 0.2823	0.2690	0.2686	0.2690	Ave		0.274 8			0.1000	3.5		20.0			
Tetrachloroethene	0.4744 0.4621	0.4548 0.4969	0.4661	0.4826	0.4651	Ave		0.471 7			0.2000	3.0		20.0			
1,3-Dichloropropane	0.4690 0.4523	0.4406 0.4851	0.4490	0.4455	0.4555	Ave		0.456 7				3.4		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 Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	8.8225 8.2737	7.7246 8.4716	8.6746	8.8595	8.3711	Ave		8.456 8			0.1000	4.6		20.0			
Dibromochloromethane	0.3588 0.3590	0.3333 0.3860	0.3398	0.3419	0.3525	Ave		0.353 n				5.0		20.0			
1,2-Dibromoethane (EDB)	0.2824 0.2731	0.2648 0.2911	0.2621	0.2640	0.2702	Ave		0.272 5			0.1000	3.9		20.0			
1-Chlorohexane	0.6466 0.5272	0.5534 0.5624	0.5313	0.5469	0.5289	Ave		0.556 7				7.5		20.0			
Chlorobenzene	1.1571 1.1162	1.0915 1.1938	1.1107	1.1567	1.1215	Ave		1.135 3			0.5000	3.1		20.0			
1,1,1,2-Tetrachloroethane	0.4001 0.4025	0.3857 0.4347	0.3840	0.3968	0.3976	Ave		0.400 2				4.2		20.0			
Ethylbenzene	1.9224 1.8304	1.7877 1.9709	1.7971	1.9191	1.8280	Ave		1.865 1			0.1000	3.8		20.0			
m&p-Xylene	0.7759 0.7498	0.7360 0.8104	0.7386	0.7869	0.7487	Ave		0.763 8			0.1000	3.7		20.0			
o-Xylene	0.7515 0.7448	0.7346 0.8003	0.7359	0.7578	0.7456	Ave		0.752 9			0.3000	3.0		20.0			
Styrene	1.2382 1.2467	1.1982 1.3321	1.1949	1.2801	1.2425	Ave		1.247 5			0.3000	3.8		20.0			
Bromoform	0.2459 0.2284	0.2152 0.2472	0.2156	0.2170	0.2237	Ave		0.227 6			0.1000	6.1		20.0			
Isopropylbenzene	1.8031 1.7847	1.7072 1.8937	1.7084	1.8329	1.7787	Ave		1.787 n			0.1000	3.7		20.0			
1,1,2,2-Tetrachloroethane	0.6068 0.5872	0.5716 0.6198	0.5451	0.5750	0.5806	Ave		0.583 7			0.3000	4.2		20.0			
Bromobenzene	0.9296 0.8575	0.8605 0.9004	0.8492	0.9054	0.8552	Ave		0.879 7				3.6		20.0			
trans-1,4-Dichloro-2-butene	0.1362 0.1392	0.1305 0.1503	0.1322	0.1338	0.1376	Ave		0.137 1				4.8		20.0			
1,2,3-Trichloropropane	0.1719 0.1610	0.1598 0.1707	0.1523	0.1587	0.1604	Ave		0.162 1				4.3		20.0			
N-Propylbenzene	3.9018 3.7177	3.6774 3.8595	3.6319	3.9856	3.7000	Ave		3.782 n				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 Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	0.8818 0.8288	0.8201 0.8736	0.8124	0.8941	0.8254	Ave		0.848 0				4.0		20.0			
1,3,5-Trimethylbenzene	2.8847 2.7865	2.7302 2.9751	2.6973	2.9179	2.7816	Ave		2.824 8				3.6		20.0			
4-Chlorotoluene	0.8696 0.8598	0.8758 0.9168	0.8548	0.9501	0.8617	Ave		0.884 1				4.0		20.0			
tert-Butylbenzene	0.7054 0.6653	0.6622 0.7038	0.6476	0.7118	0.6589	Ave		0.679 3				3.9		20.0			
Pentachloroethane	0.4790 0.5256	0.4789 0.5657	0.4961	0.5055	0.5133	Ave		0.509 2				5.9		20.0			
1,2,4-Trimethylbenzene	2.9627 2.8923	2.8087 3.0867	2.7716	3.0207	2.8738	Ave		2.916 6				3.9		20.0			
sec-Butylbenzene	3.7571 3.6261	3.5322 3.7402	3.4971	3.7822	3.5781	Ave		3.644 7				3.2		20.0			
1,3-Dichlorobenzene	1.7860 1.7116	1.6674 1.8009	1.6493	1.8529	1.6974	Ave		1.737 9			0.6000	4.4		20.0			
p-Isopropyltoluene	3.3098 3.2669	3.1570 3.4223	3.0817	3.4409	3.2515	Ave		3.275 7				4.0		20.0			
1,4-Dichlorobenzene	1.8205 1.7400	1.7253 1.8468	1.6669	1.9155	1.7307	Ave		1.778 0			0.5000	4.8		20.0			
1,2,3-Trimethylbenzene	1.3484 1.3473	1.3042 1.4340	1.2833	1.3915	1.3153	Ave		1.346 3				3.9		20.0			
Benzyl chloride	0.2711 0.2742	0.2657 0.2880	0.2490	0.2591	0.2654	Ave		0.267 5				4.6		20.0			
n-Butylbenzene	1.6031 1.5487	1.5171 1.6447	1.4863	1.6710	1.5386	Ave		1.572 8				4.3		20.0			
1,2-Dichlorobenzene	1.5745 1.5906	1.5318 1.6792	1.5067	1.6660	1.5587	Ave		1.586 8			0.4000	4.1		20.0			
1,2-Dibromo-3-Chloropropane	0.0861 0.1064	0.0949 0.1124	0.0859	0.0913	0.0995	Ave		0.096 7			0.0500	10.4		20.0			
1,3,5-Trichlorobenzene	1.3418 1.3567	1.2728 1.3951	1.2589	1.4839	1.3289	Ave		1.348 3				5.6		20.0			
1,2,4-Trichlorobenzene	1.0234 1.1465	1.0079 1.1861	0.9735	1.2256	1.0863	Ave		1.092 8			0.2000	8.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.5899 0.5636	0.5432 0.5679	0.5352	0.6144	0.5354	Ave		0.564 2				5.3		20.0			
Naphthalene	1.5358 1.9272	1.5844 1.9841	1.5120	1.7912	1.7723	Ave		1.729 6				11.0		20.0			
1,2,3-Trichlorobenzene	0.7641 0.9153	0.7900 0.9477	0.7566	0.9373	0.8538	Ave		0.852 1				9.7		20.0			
Dibromofluoromethane (Surr)	0.2425 0.2430	0.2415 0.2423	0.2416	0.2417	0.2426	Ave		0.242 2				0.2		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0498 0.0488	0.0486 0.0492	0.0503	0.0505	0.0495	Ave		0.049 5				1.5		20.0			
Toluene-d8 (Surr)	1.2758 1.2893	1.2699 1.2953	1.2698	1.2849	1.2840	Ave		1.281 3				0.8		20.0			
4-Bromofluorobenzene (Surr)	0.4768 0.4844	0.4761 0.4869	0.4803	0.4802	0.4868	Ave		0.481 7				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 Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-517601/13	CU14X12.D
Level 2	IC 410-517601/14	CU14X13.D
Level 3	IC 410-517601/15	CU14X14.D
Level 4	IC 410-517601/16	CU14X15.D
Level 5	IC 410-517601/17	CU14X16.D
Level 6	ICIS 410-517601/18	CU14X17.D
Level 7	IC 410-517601/19	CU14X18.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	16203 734237	37177 1905383	70836	144773	368681	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	17848 809771	44306 2083250	80305	171285	407831	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	17298 808044	42389 2101955	78986	168879	403385	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	19462 862743	43922 2161710	88324	176166	429588	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	13155 563388	29766 1445096	55079	116580	276953	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	10238 462351	23856 1191486	45415	95383	232235	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	25983 1222831	59601 3154184	117409	250225	604485	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	20923 948084	47549 2424884	92461	194248	470564	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	9010 433149	21441 1138331	42704	85154	214368	0.200 10.00	0.500 25.0	1.000	2.00	5.00
Freon 123a	FB	Ave	15704 693949	36239 1803949	66197	139224	342676	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd1 0	Ave	66727 3768167	164124 9594947	325233	660165	1691591	10.0 501	25.1 1253	50.1	100	251
1,1-Dichloroethene	FB	Ave	11595 491747	26536 1279237	48730	101463	243926	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd1 0	Ave	21054 891438	47638 2194483	79646	158143	420322	2.00 100	5.00 250	10.0	20.0	50.0
Freon 113	FB	Ave	10990 532721	26179 1349071	50001	104154	266684	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 Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl iodide	FB	Ave	22454 1063632	52317 2768721	102351	213794	527337	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl bromide	FB	Ave	9390 466648	23488 1232176	46078	91587	230787	0.200 10.0	0.501 25.0	1.00	2.00	5.01
Carbon disulfide	FB	Ave	34643 1662162	80537 4401815	157757	335862	824689	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd1 0	Ave	5569 259596	13658 648417	22365	47717	124256	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	17362 852542	41675 2239904	82764	170737	420870	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	14882 581565	30489 1501358	59785	115124	287772	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd1 0	Ave	15731 651277	38284 1671928	66064	135456	308310	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd1 0	Ave	7944 316143	16396 789839	30413	62467	142694	0.500 25.0	1.25 62.5	2.50	5.00	12.5
Methyl tert-butyl ether	FB	Ave	32837 1590845	77651 4071785	152192	303566	761005	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,2-Dichloroethene	FB	Ave	13081 602335	30060 1561141	59615	122631	299762	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	18213 784492	39337 2006405	73921	154924	388303	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	21831 1050430	51613 2726420	101800	208917	522243	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	39356 1876667	92217 4877622	181962	366516	923885	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	19039 860537	42355 2242733	83112	173359	429652	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	39920 1842578	90588 4765931	174560	353608	902126	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone (MEK)	TBAd1 0	Ave	33312 1720851	78834 4268978	155831	317542	777874	2.00 100	5.00 250	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	14782 680417	33306 1771577	66881	136749	336715	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	19457 833572	45206 2151525	83180	174661	417165	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propionitrile	TBAd10	Ave	16873 976438	42419 2529029	81001	174466	391243	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd10	Ave	33712 1649667	77190 4229919	154888	311440	782044	2.00 100	5.00 250	10.0	20.0	50.0
Tetrahydrofuran	TBAd10	Ave	5844 250650	13124 637151	24293	47576	117062	1.00 50.0	2.50 125	5.00	10.0	25.0
Bromochloromethane	FB	Ave	6692 319608	15450 818941	30909	62213	157650	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroform	FB	Ave	26580 1052795	56816 2719432	108163	214097	526188	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	20109 915814	46177 2378894	88597	185171	458013	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	21324 1005521	48058 2567920	93635	192345	495847	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	17495 845695	40728 2220074	81258	166872	419280	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	17728 822182	40770 2166141	78774	166607	410648	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	TBAd10	Ave	12289 647610	30940 1575075	60786	121374	303451	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	52557 2475580	124904 6440925	242685	497277	1219179	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	13336 633799	32250 1614182	63473	123070	315060	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	35339 1748941	82988 4483418	165331	330886	844422	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	17670 837504	39635 2110634	77827	162254	416498	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butanol	TBAd10	Ave	19662 1097174	47106 2771268	100653	189838	443658	17.5 875	43.8 2188	87.5	175	438
Trichloroethene	FB	Ave	14930 673226	34377 1756419	66219	136090	336828	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	23624 1129952	53014 2892643	103134	212655	556527	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	13427 643632	31356 1682549	61513	125217	315585	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 Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dioxane	TBAd10	Ave	1372	6332	11418	21664	60707	10.0	25.0	50.0	100	250
			116675	320840				500	1250			
Methyl methacrylate	TBAd10	Ave	7235	17148	32756	62707	159150	0.200	0.500	1.00	2.00	5.00
			345830	870579				10.0	25.0			
Dibromomethane	FB	Ave	6836	15752	31762	62717	164594	0.200	0.500	1.00	2.00	5.00
			325035	858709				10.0	25.0			
Bromodichloromethane	FB	Ave	16126	37902	73456	151383	383196	0.200	0.500	1.00	2.00	5.00
			780772	2031557				10.0	25.0			
2-Nitropropane	TBAd10	Ave	9364	21479	42567	87676	221451	1.00	2.50	5.00	10.0	25.0
			486658	1213307				50.0	125			
1-Bromo-2-chloroethane	FB	Ave	12444	30765	61436	123337	308503	0.200	0.500	1.00	2.00	5.00
			642953	1649892				10.0	25.0			
cis-1,3-Dichloropropene	FB	Ave	20580	48372	95985	196295	499072	0.200	0.500	1.00	2.00	5.00
			1014736	2647910				10.0	25.0			
4-Methyl-2-pentanone (MIBK)	TBAd10	Ave	83174	198148	390263	796236	2102012	2.00	5.00	10.0	20.0	50.0
			4387352	11258197				100	250			
Toluene	CBZd5	Ave	34903	81838	162487	334619	823735	0.200	0.500	1.00	2.00	5.00
			1671454	4354894				10.0	25.0			
trans-1,3-Dichloropropene	CBZd5	Ave	18198	40829	80904	163679	428359	0.200	0.500	1.00	2.00	5.00
			866626	2265180				10.0	25.0			
Ethyl methacrylate	CBZd5	Ave	15599	34505	69428	141167	366072	0.200	0.500	1.00	2.00	5.00
			747761	1936916				10.0	25.0			
1,1,2-Trichloroethane	CBZd5	Ave	10436	24613	47044	93498	238660	0.200	0.500	1.00	2.00	5.00
			477370	1228042				10.0	25.0			
Tetrachloroethene	CBZd5	Ave	16915	40580	81502	168026	412715	0.200	0.500	1.00	2.00	5.00
			827702	2161277				10.0	25.0			
1,3-Dichloropropane	CBZd5	Ave	16725	39318	78521	155118	404151	0.200	0.500	1.00	2.00	5.00
			810192	2110086				10.0	25.0			
2-Hexanone	TBAd10	Ave	61284	145548	291226	582286	1513323	2.00	5.00	10.0	20.0	50.0
			3122469	7969148				100	250			
Dibromochloromethane	CBZd5	Ave	12794	29737	59418	119035	312772	0.200	0.500	1.00	2.00	5.00
			643090	1678834				10.0	25.0			
1,2-Dibromoethane (EDB)	CBZd5	Ave	10068	23629	45837	91926	239760	0.200	0.500	1.00	2.00	5.00
			489120	1266157				10.0	25.0			
1-Chlorohexane	CBZd5	Ave	23058	49378	92914	190414	469345	0.200	0.500	1.00	2.00	5.00
			944447	2446377				10.0	25.0			

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZd5	Ave	41258 1999402	97393 5192630	194217	402700	995166	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	14265 720956	34413 1890919	67152	138133	352771	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd5	Ave	68548 3278886	159513 8572940	314251	668127	1622005	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd5	Ave	55330 2686365	131343 7050481	258327	547925	1328674	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd5	Ave	26796 1334091	65549 3481281	128688	263830	661618	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Styrene	CBZd5	Ave	44151 2233184	106915 5794215	208946	445685	1102472	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromoform	CBZd5	Ave	8768 409184	19199 1075393	37699	75560	198454	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isopropylbenzene	CBZd5	Ave	64296 3196885	152336 8237293	298739	638140	1578257	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd4	Ave	12324 622324	29335 1618375	55271	115336	303835	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromobenzene	DCBd4	Ave	18878 908749	44160 2351082	86113	181597	447526	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	DCBd4	Ave	27662 1474792	66951 3923681	134027	268439	719949	2.00 100	5.00 250	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	3491 170673	8200 445742	15439	31832	83927	0.200 10.0	0.500 25.0	1.00	2.00	5.00
N-Propylbenzene	DCBd4	Ave	79239 3940061	188721 10077512	368283	799380	1936140	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chlorotoluene	DCBd4	Ave	17908 878431	42086 2281014	82375	179328	431939	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd4	Ave	58583 2953220	140114 7768355	273517	585230	1455579	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Chlorotoluene	DCBd4	Ave	17661 911272	44945 2393840	86680	190563	450927	0.200 10.0	0.500 25.0	1.00	2.00	5.00
tert-Butylbenzene	DCBd4	Ave	14326 705095	33982 1837768	65664	142756	344801	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Pentachloroethane	DCBd4	Ave	9728 557070	24576 1477179	50310	101387	268601	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd4	Ave	60167 3065316	144139 8059731	281050	605865	1503820	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd4	Ave	76301 3842980	181269 9766106	354613	758593	1872383	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3-Dichlorobenzene	DCBd4	Ave	36271 1814020	85569 4702331	167242	371643	888228	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd4	Ave	67216 3462326	162015 8936074	312495	690140	1701451	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd4	Ave	36972 1844120	88542 4822201	169030	384186	905642	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd4	Ave	27383 1427855	66932 3744402	130133	279095	688298	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd4	Ave	5506 290573	13638 751893	25252	51961	138873	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd4	Ave	32557 1641310	77859 4294531	150720	335145	805142	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd4	Ave	31976 1685786	78610 4384615	152787	334153	815649	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1749 112816	4872 293449	8712	18306	52067	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd4	Ave	27250 1437909	65319 3642801	127654	297617	695408	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trichlorobenzene	DCBd4	Ave	20784 1215124	51723 3097155	98721	245810	568421	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Hexachlorobutadiene	DCBd4	Ave	11980 597322	27875 1482860	54266	123230	280192	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Naphthalene	DCBd4	Ave	31189 2042535	81310 5180801	153318	359265	927395	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trichlorobenzene	DCBd4	Ave	15517 970054	40540 2474425	76723	187998	446800	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromofluoromethane (Surr)	FB	Ave	548025 554691	543106 541031	537659	535995	546017	10.0 10.0	10.0 10.0	10.0	10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	112641 111406	109341 109807	111993	112037	111464	10.0 10.0	10.0 10.0	10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	2274668 2309511	2266302 2253682	2220438	2236758	2278729	10.0 10.0	10.0 10.0	10.0	10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	850146 867691	849659 847227	839803	835919	863973	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 Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-517601/13	CU14X12.D
Level 2	IC 410-517601/14	CU14X13.D
Level 3	IC 410-517601/15	CU14X14.D
Level 4	IC 410-517601/16	CU14X15.D
Level 5	IC 410-517601/17	CU14X16.D
Level 6	ICIS 410-517601/18	CU14X17.D
Level 7	IC 410-517601/19	CU14X18.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	8.0 2.8	-0.5	-4.1	-1.7	-1.3	-3.1	50 30	30	30	30	30	30
Chloromethane	5.3 -0.5	5.0	-3.8	2.9	-3.4	-5.4	50 30	30	30	30	30	30
Vinyl chloride	3.7 2.0	2.1	-3.9	3.1	-2.9	-4.1	50 30	30	30	30	30	30
1,3-Butadiene	9.1 -1.9	-1.0	0.6	0.6	-3.2	-4.2	50 30	30	30	30	30	30
Bromomethane	12.1 -0.3	1.9	-4.7	1.2	-5.2	-5.0	50 30	30	30	30	30	30
Chloroethane	7.1 0.9	0.3	-3.5	1.7	-2.4	-4.2	50 30	30	30	30	30	30
Dichlorofluoromethane	4.9 3.1	-3.3	-3.7	3.0	-1.9	-2.2	50 30	30	30	30	30	30
Trichlorofluoromethane	7.8 1.1	-1.6	-3.3	1.9	-2.6	-3.3	50 30	30	30	30	30	30
Ethyl ether	2.8 5.1	-1.7	-1.1	-1.1	-1.8	-2.2	50 30	30	30	30	30	30
Freon 123a	9.9 2.2	1.9	-5.9	-0.7	-3.7	-3.8	50 30	30	30	30	30	30
Acrolein	-0.5 5.6	-9.8	0.3	4.0	-3.1	3.4	50 30	30	30	30	30	30
1,1-Dichloroethene	12.1 0.1	3.1	-4.3	0.0	-5.3	-5.8	50 30	30	30	30	30	30
Acetone	22.2 -5.9	2.0	-4.3	-3.0	-6.2	-4.7	50 30	30	30	30	30	30
Freon 113	3.3 2.7	-1.1	-4.5	-0.2	0.7	-0.8	50 30	30	30	30	30	30
Methyl iodide	4.3 4.1	-2.3	-3.4	1.2	-1.6	-2.2	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Ethyl bromide	-0.4 5.8	0.1	-0.7	-1.0	-1.7	-2.0	50 30	30	30	30	30	30
Carbon disulfide	3.2 6.2	-3.6	-4.5	2.0	-1.3	-1.9	50 30	30	30	30	30	30
Methyl acetate	12.6 -3.2	1.8	-6.4	2.0	-3.5	-3.4	50 30	30	30	30	30	30
Allyl chloride	1.1 5.6	-2.5	-2.1	1.3	-1.6	-1.7	50 30	30	30	30	30	30
Methylene Chloride	20.8 -1.3	-0.5	-1.4	-4.8	-6.2	-6.5	50 30	30	30	30	30	30
t-Butyl alcohol	17.1 -8.1	5.1	1.8	6.6	-11.8	-10.7	50 30	30	30	30	30	30
Acrylonitrile	26.3 -7.2	-3.9	0.1	5.0	-12.8	-7.5	50 30	30	30	30	30	30
Methyl tert-butyl ether	4.0 4.5	-1.1	-2.1	-2.0	-3.1	-0.2	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	6.0 2.4	-2.1	-1.9	1.3	-2.4	-3.3	50 30	30	30	30	30	30
n-Hexane	13.6 1.3	-1.4	-6.3	-1.5	-2.7	-3.1	50 30	30	30	30	30	30
1,1-Dichloroethane	3.0 4.1	-2.2	-2.5	0.4	-1.0	-1.9	50 30	30	30	30	30	30
di-Isopropyl ether	4.2 4.5	-1.9	-2.2	-1.2	-1.8	-1.6	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	8.3 3.3	-3.2	-4.0	0.5	-1.8	-3.1	50 30	30	30	30	30	30
Ethyl t-butyl ether	7.8 4.2	-1.7	-4.2	-2.7	-2.1	-1.4	50 30	30	30	30	30	30
2-Butanone (MEK)	5.4 -0.3	-8.1	2.0	6.2	-5.4	0.2	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	6.6 3.5	-3.4	-2.0	0.5	-2.4	-2.8	50 30	30	30	30	30	30
2,2-Dichloropropane	10.7 -0.9	3.4	-3.8	1.3	-4.6	-6.1	50 30	30	30	30	30	30
Propionitrile	-1.1 9.5	-8.3	-1.7	8.1	-11.9	5.4	50 30	30	30	30	30	30
Methacrylonitrile	7.9 -0.1	-9.0	2.5	5.3	-3.9	-2.8	50 30	30	30	30	30	30
Tetrahydrofuran	18.4 -4.7	-2.0	1.8	1.9	-8.9	-6.5	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 Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

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	4.5 3.6	-3.0	-1.9	-1.0	-1.1	-1.1	50 30	30	30	30	30	30
Chloroform	18.4 -2.0	1.7	-2.2	-2.9	-5.9	-7.2	50 30	30	30	30	30	30
1,1,1-Trichloroethane	7.2 2.7	-1.1	-4.1	0.6	-1.9	-3.3	50 30	30	30	30	30	30
Cyclohexane	6.7 4.0	-3.3	-4.8	-1.9	-0.3	-0.3	50 30	30	30	30	30	30
Carbon tetrachloride	3.0 5.8	-3.7	-2.9	0.1	-0.9	-1.4	50 30	30	30	30	30	30
1,1-Dichloropropene	5.7 4.6	-2.3	-4.6	1.2	-1.6	-2.9	50 30	30	30	30	30	30
Isobutyl alcohol	2.0 -3.4	-5.3	4.4	6.5	-3.2	-1.0	50 30	30	30	30	30	30
Benzene	4.3 3.4	-0.4	-2.2	0.5	-2.8	-2.7	50 30	30	30	30	30	30
1,2-Dichloroethane	3.7 1.6	0.8	0.3	-2.5	-1.6	-2.4	50 30	30	30	30	30	30
t-Amyl methyl ether	2.7 5.5	-3.1	-2.4	-2.0	-1.4	0.7	50 30	30	30	30	30	30
n-Heptane	6.3 2.8	-4.2	-4.9	-0.5	0.7	-0.2	50 30	30	30	30	30	30
n-Butanol	1.5 5.6	-10.4	7.5	3.6	-12.0	4.2	50 30	30	30	30	30	30
Trichloroethene	7.6 2.5	-0.4	-3.1	-0.1	-2.5	-3.9	50 30	30	30	30	30	30
Methylcyclohexane	6.2 5.3	-4.2	-5.8	-2.6	0.5	0.6	50 30	30	30	30	30	30
1,2-Dichloropropane	4.1 5.6	-2.3	-3.2	-1.1	-1.8	-1.2	50 30	30	30	30	30	30
1,4-Dioxane	-36.8 9.1	7.4	8.7	5.4	7.4	-1.2	50 30	30	30	30	30	30
Methyl methacrylate	10.4 -1.9	-3.5	3.4	1.1	-6.7	-2.9	50 30	30	30	30	30	30
Dibromomethane	4.0 5.8	-3.7	-1.8	-2.8	0.6	-2.1	50 30	30	30	30	30	30
Bromodichloromethane	3.6 5.6	-2.2	-4.2	-0.9	-1.2	-0.7	50 30	30	30	30	30	30
2-Nitropropane	6.1 1.5	-10.3	-0.2	5.0	-3.6	1.5	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1-Bromo-2-chloroethane	-1.4 5.8	-2.0	-1.1	-0.4	-1.8	0.9	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	2.1 6.4	-3.6	-3.3	-0.8	-0.5	-0.3	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	2.9 2.9	-9.6	-0.1	4.1	-0.1	-0.1	50 30	30	30	30	30	30
Toluene	3.1 5.4	-3.4	-2.2	1.2	-2.3	-1.8	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	5.4 7.6	-5.5	-4.4	-2.9	-0.3	0.0	50 30	30	30	30	30	30
Ethyl methacrylate	5.5 7.4	-6.7	-4.2	-2.2	-0.5	0.7	50 30	30	30	30	30	30
1,1,2-Trichloroethane	6.5 2.7	0.4	-2.1	-2.3	-2.1	-3.0	50 30	30	30	30	30	30
Tetrachloroethene	0.6 5.3	-3.6	-1.2	2.3	-1.4	-2.0	50 30	30	30	30	30	30
1,3-Dichloropropane	2.7 6.2	-3.5	-1.7	-2.4	-0.3	-1.0	50 30	30	30	30	30	30
2-Hexanone	4.3 0.2	-8.7	2.6	4.8	-1.0	-2.2	50 30	30	30	30	30	30
Dibromochloromethane	1.6 9.3	-5.6	-3.7	-3.2	-0.2	1.7	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	3.6 6.8	-2.8	-3.8	-3.1	-0.9	0.2	50 30	30	30	30	30	30
1-Chlorohexane	16.2 1.0	-0.6	-4.6	-1.8	-5.0	-5.3	50 30	30	30	30	30	30
Chlorobenzene	1.9 5.1	-3.9	-2.2	1.9	-1.2	-1.7	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	0.0 8.6	-3.6	-4.0	-0.9	-0.7	0.6	50 30	30	30	30	30	30
Ethylbenzene	3.1 5.7	-4.1	-3.6	2.9	-2.0	-1.9	50 30	30	30	30	30	30
m&p-Xylene	1.6 6.1	-3.6	-3.3	3.0	-2.0	-1.8	50 30	30	30	30	30	30
o-Xylene	-0.2 6.3	-2.4	-2.3	0.6	-1.0	-1.1	50 30	30	30	30	30	30
Styrene	-0.7 6.8	-4.0	-4.2	2.6	-0.4	-0.1	50 30	30	30	30	30	30
Bromoform	8.1 8.6	-5.5	-5.3	-4.6	-1.7	0.4	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 Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Isopropylbenzene	0.9 6.0	-4.5	-4.4	2.6	-0.5	-0.1	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	4.0 6.2	-2.1	-6.6	-1.5	-0.5	0.6	50 30	30	30	30	30	30
Bromobenzene	5.7 2.4	-2.2	-3.5	2.9	-2.8	-2.5	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-0.6 9.6	-4.8	-3.6	-2.4	0.4	1.5	50 30	30	30	30	30	30
1,2,3-Trichloropropane	6.0 5.3	-1.4	-6.1	-2.1	-1.1	-0.7	50 30	30	30	30	30	30
N-Propylbenzene	3.2 2.0	-2.8	-4.0	5.4	-2.2	-1.7	50 30	30	30	30	30	30
2-Chlorotoluene	4.0 3.0	-3.3	-4.2	5.4	-2.7	-2.3	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	2.1 5.3	-3.3	-4.5	3.3	-1.5	-1.4	50 30	30	30	30	30	30
4-Chlorotoluene	-1.6 3.7	-0.9	-3.3	7.5	-2.5	-2.7	50 30	30	30	30	30	30
tert-Butylbenzene	3.8 3.6	-2.5	-4.7	4.8	-3.0	-2.1	50 30	30	30	30	30	30
Pentachloroethane	-5.9 11.1	-5.9	-2.6	-0.7	0.8	3.2	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	1.6 5.8	-3.7	-5.0	3.6	-1.5	-0.8	50 30	30	30	30	30	30
sec-Butylbenzene	3.1 2.6	-3.1	-4.1	3.8	-1.8	-0.5	50 30	30	30	30	30	30
1,3-Dichlorobenzene	2.8 3.6	-4.1	-5.1	6.6	-2.3	-1.5	50 30	30	30	30	30	30
p-Isopropyltoluene	1.0 4.5	-3.6	-5.9	5.0	-0.7	-0.3	50 30	30	30	30	30	30
1,4-Dichlorobenzene	2.4 3.9	-3.0	-6.2	7.7	-2.7	-2.1	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	0.2 6.5	-3.1	-4.7	3.4	-2.3	0.1	50 30	30	30	30	30	30
Benzyl chloride	1.4 7.6	-0.7	-6.9	-3.2	-0.8	2.5	50 30	30	30	30	30	30
n-Butylbenzene	1.9 4.6	-3.5	-5.5	6.2	-2.2	-1.5	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-0.8 5.8	-3.5	-5.0	5.0	-1.8	0.2	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1 Analy Batch No.: 517601
Environment Testing, LLC

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,2-Dibromo-3-Chloropropane	-10.9 16.3	-1.8	-11.1	-5.6	2.9	10.1	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-0.5 3.5	-5.6	-6.6	10.1	-1.4	0.6	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-6.3 8.5	-7.8	-10.9	12.2	-0.6	4.9	50 30	30	30	30	30	30
Hexachlorobutadiene	4.6 0.7	-3.7	-5.2	8.9	-5.1	-0.1	50 30	30	30	30	30	30
Naphthalene	-11.2 14.7	-8.4	-12.6	3.6	2.5	11.4	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-10.3 11.2	-7.3	-11.2	10.0	0.2	7.4	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	0.1 0.0	-0.3	-0.2	-0.2	0.2	0.4	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	0.6 -0.8	-1.9	1.6	2.0	0.0	-1.5	50 30	30	30	30	30	30
Toluene-d8 (Surr)	-0.4 1.1	-0.9	-0.9	0.3	0.2	0.6	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-1.0 1.1	-1.2	-0.3	-0.3	1.1	0.6	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
 Lims ID: IC std1 0.2
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 14-Jun-2024 22:28:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116724-013
 Misc. Info.: IC STD.2 LG
 Operator ID: MEC29284 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 19:28:19 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1606

First Level Reviewer: UKEK

Date: 17-Jun-2024 19:28:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.799	0.000	32	16203	0.2000	0.2159	
5 Chloromethane	50	1.976	1.982	-0.006	99	17848	0.2000	0.2105	M
6 Vinyl chloride	62	2.073	2.085	-0.012	97	17298	0.2000	0.2073	
7 Butadiene	39	2.079	2.085	-0.006	83	19462	0.2000	0.2182	M
9 Bromomethane	94	2.390	2.396	-0.006	90	13155	0.2000	0.2241	
10 Chloroethane	64	2.439	2.445	-0.006	97	10238	0.2000	0.2142	
11 Dichlorofluoromethane	67	2.689	2.689	0.000	62	25983	0.2000	0.2099	M
13 Pentane	43	2.726	2.738	-0.012	94	20007	0.2000	0.2414	
12 Trichlorofluoromethane	101	2.744	2.744	0.000	91	20923	0.2000	0.2155	M
14 Ethyl ether	59	2.915	2.921	-0.006	91	9010	0.2000	0.2055	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.012	3.018	-0.006	86	15704	0.2000	0.2198	M
17 Acrolein	56	3.067	3.073	-0.006	99	66727	10.0	9.97	
18 1,1-Dichloroethene	96	3.195	3.195	0.000	96	11595	0.2000	0.2242	
20 Acetone	43	3.219	3.219	0.000	99	21054	2.00	2.44	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.238	3.244	-0.006	89	10990	0.2000	0.2066	
24 Isopropyl alcohol	45	3.384	3.366	0.018	37	7374	4.00	4.16	
22 Iodomethane	142	3.360	3.372	-0.012	96	22454	0.2000	0.2086	
23 Ethyl bromide	108	3.390	3.396	-0.006	97	9390	0.2003	0.1995	
25 Carbon disulfide	76	3.451	3.463	-0.012	97	34643	0.2000	0.2064	M
26 Methyl acetate	43	3.591	3.585	0.006	39	5569	0.2000	0.2252	
29 3-Chloro-1-propene	41	3.610	3.616	-0.006	92	17362	0.2000	0.2021	
30 Methylene Chloride	84	3.774	3.786	-0.012	62	14882	0.2000	0.2416	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.780	3.798	-0.018	96	173659	50.0	50.0	
32 2-Methyl-2-propanol	59	3.902	3.908	-0.006	96	15731	4.00	4.69	
33 Acrylonitrile	53	4.103	4.091	0.012	96	7944	0.5000	0.6317	
35 trans-1,2-Dichloroethene	96	4.146	4.146	0.000	98	13081	0.2000	0.2120	
34 Methyl tert-butyl ether	73	4.146	4.146	0.000	92	32837	0.2000	0.2081	
36 Hexane	57	4.549	4.561	-0.013	93	18213	0.2000	0.2273	
37 1,1-Dichloroethane	63	4.798	4.804	-0.006	96	21831	0.2000	0.2060	
39 Isopropyl ether	45	4.872	4.871	0.001	95	39356	0.2000	0.2083	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.914	4.914	0.000	89	19039	0.2000	0.2166	
41 Tert-butyl ethyl ether	59	5.396	5.414	-0.018	97	39920	0.2000	0.2157	M
42 2-Butanone (MEK)	43	5.615	5.615	0.000	100	33312	2.00	2.11	
43 cis-1,2-Dichloroethene	96	5.646	5.652	-0.006	81	14782	0.2000	0.2133	
44 2,2-Dichloropropane	77	5.670	5.670	0.000	78	19457	0.2000	0.2215	
45 Propionitrile	54	5.719	5.719	0.000	98	16873	4.00	3.96	
47 Methacrylonitrile	67	5.932	5.926	0.006	87	33712	2.00	2.16	
49 Tetrahydrofuran	71	5.993	5.981	0.012	76	5844	1.00	1.18	
48 Chlorobromomethane	128	5.993	5.987	0.006	74	6692	0.2000	0.2091	M
50 Chloroform	83	6.146	6.146	0.000	92	26580	0.2000	0.2367	
S 52 1,2-Dichloroethene, Total	100				0			0.4253	
\$ 54 Dibromofluoromethane (Surr)	113	6.365	6.365	0.000	94	548025	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.359	6.371	-0.012	39	20109	0.2000	0.2144	
55 Cyclohexane	56	6.457	6.463	-0.006	89	21324	0.2000	0.2134	
57 1,1-Dichloropropene	75	6.591	6.585	0.007	95	17728	0.2000	0.2114	
56 Carbon tetrachloride	117	6.579	6.585	-0.005	89	17495	0.2000	0.2059	
58 Isobutyl alcohol	41	6.780	6.780	0.000	93	12289	10.0	10.2	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.810	6.822	-0.012	99	112641	10.0	10.1	M
60 Benzene	78	6.841	6.853	-0.012	95	52557	0.2000	0.2085	
61 1,2-Dichloroethane	62	6.920	6.926	-0.006	96	13336	0.2000	0.2074	
64 Tert-amyl methyl ether	73	7.054	7.060	-0.006	99	35339	0.2000	0.2054	
* 65 Fluorobenzene (IS)	96	7.261	7.267	-0.006	99	2259919	10.0	10.0	
66 n-Heptane	43	7.280	7.286	-0.006	36	17670	0.2000	0.2126	
67 n-Butanol	56	7.682	7.682	0.000	90	19662	17.5	17.8	
68 Trichloroethene	95	7.755	7.755	0.000	97	14930	0.2000	0.2152	
69 Methylcyclohexane	83	8.054	8.066	-0.012	84	23624	0.2000	0.2124	
70 1,2-Dichloropropane	63	8.097	8.096	0.001	96	13427	0.2000	0.2081	
71 2-ethoxy-2-methyl butane	87	8.115	8.127	-0.012	92	21302	0.2000	0.2031	
74 1,4-Dioxane	88	8.182	8.194	-0.012	34	1372	10.0	6.32	M
73 Methyl methacrylate	69	8.200	8.200	0.000	91	7235	0.2000	0.2208	
72 Dibromomethane	93	8.206	8.206	0.000	94	6836	0.2000	0.2080	
76 Dichlorobromomethane	83	8.456	8.456	0.000	99	16126	0.2000	0.2071	
77 2-Nitropropane	41	8.743	8.743	0.000	97	9364	1.00	1.06	
78 1-Bromo-2-chloroethane	63	8.846	8.846	0.000	97	12444	0.2000	0.1972	
80 cis-1,3-Dichloropropene	75	9.029	9.029	0.000	96	20580	0.2000	0.2042	
82 4-Methyl-2-pentanone (MIBK)	43	9.231	9.230	0.001	95	83174	2.00	2.06	
\$ 83 Toluene-d8 (Surr)	98	9.359	9.358	0.001	93	2274668	10.0	9.96	
84 Toluene	92	9.438	9.444	-0.006	98	34903	0.2000	0.2061	
85 trans-1,3-Dichloropropene	75	9.730	9.730	0.000	91	18198	0.2000	0.2109	
86 Ethyl methacrylate	69	9.804	9.803	0.001	89	15599	0.2000	0.2110	
87 1,1,2-Trichloroethane	97	9.938	9.944	-0.006	91	10436	0.2000	0.2130	
88 Tetrachloroethene	166	10.023	10.023	0.000	97	16915	0.2000	0.2011	
S 107 1,3-Dichloropropene, Total	100				0			0.4151	
89 1,3-Dichloropropane	76	10.108	10.114	-0.006	89	16725	0.2000	0.2054	
106 2-Hexanone	43	10.182	10.181	0.001	96	61284	2.00	2.09	
108 Chlorodibromomethane	129	10.334	10.334	0.000	89	12794	0.2000	0.2033	
110 Ethylene Dibromide	107	10.444	10.444	0.000	100	10068	0.2000	0.2072	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	1782883	10.0	10.0	M
112 1-Chlorohexane	91	10.919	10.919	0.000	77	23058	0.2000	0.2323	
113 Chlorobenzene	112	10.925	10.925	0.000	96	41258	0.2000	0.2038	
114 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	96	14265	0.2000	0.1999	
115 Ethylbenzene	91	11.023	11.023	0.000	98	68548	0.2000	0.2061	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.145	11.145	0.000	97	55330	0.4000	0.4063	
S 117 Xylenes, Total	106				0			0.6059	
118 o-Xylene	106	11.486	11.486	0.000	95	26796	0.2000	0.1996	
119 Styrene	104	11.498	11.498	0.000	95	44151	0.2000	0.1985	
120 Bromoform	173	11.657	11.657	0.000	95	8768	0.2000	0.2161	
121 Isopropylbenzene	105	11.797	11.797	0.000	95	64296	0.2000	0.2018	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.943	-0.006	94	850146	10.0	9.90	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	75	12324	0.2000	0.2079	
125 Bromobenzene	156	12.059	12.059	0.000	87	18878	0.2000	0.2113	
127 trans-1,4-Dichloro-2-butene	53	12.084	12.083	0.001	92	27662	2.00	1.99	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	78	3491	0.2000	0.2121	
129 N-Propylbenzene	91	12.132	12.138	-0.006	98	79239	0.2000	0.2063	
130 2-Chlorotoluene	126	12.206	12.211	-0.005	98	17908	0.2000	0.2080	
131 1,3,5-Trimethylbenzene	105	12.279	12.279	0.000	94	58583	0.2000	0.2042	
132 4-Chlorotoluene	126	12.303	12.303	0.000	97	17661	0.2000	0.1967	
133 tert-Butylbenzene	134	12.523	12.522	0.001	92	14326	0.2000	0.2077	
134 Pentachloroethane	167	12.553	12.553	0.000	79	9728	0.2000	0.1882	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	96	60167	0.2000	0.2032	
136 sec-Butylbenzene	105	12.693	12.693	0.000	93	76301	0.2000	0.2062	
137 1,3-Dichlorobenzene	146	12.785	12.785	0.000	98	36271	0.2000	0.2055	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	67216	0.2000	0.2021	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.845	0.001	93	1015421	10.0	10.0	M
140 1,4-Dichlorobenzene	146	12.864	12.864	0.000	96	36972	0.2000	0.2048	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	97	27383	0.2000	0.2003	
142 Benzyl chloride	126	12.943	12.943	0.000	98	5506	0.2000	0.2027	
145 p-Diethylbenzene	119	13.077	13.083	-0.006	94	41707	0.2000	0.2012	
143 n-Butylbenzene	92	13.102	13.102	0.000	97	32557	0.2000	0.2039	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	98	31976	0.2000	0.1985	
148 1,2-Dibromo-3-Chloropropane	155	13.681	13.681	0.000	86	1749	0.2000	0.1782	
149 1,3,5-Trichlorobenzene	180	13.809	13.803	0.006	97	27250	0.2000	0.1990	
150 1,2,4-Trichlorobenzene	180	14.236	14.235	0.001	94	20784	0.2000	0.1873	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	96	11980	0.2000	0.2091	
152 Naphthalene	128	14.419	14.418	0.001	96	31189	0.2000	0.1776	
153 1,2,3-Trichlorobenzene	180	14.565	14.565	0.000	95	15517	0.2000	0.1793	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	11416	0.2000	0.1468	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00133

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00140

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00214

Amount Added: 2.00

Units: uL

MSV_HP25_ISSS_00090

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 17-Jun-2024 19:28:19

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D

Injection Date: 14-Jun-2024 22:28:30

Instrument ID: 10193

Operator ID: MEC29284

Lims ID: IC std1 0.2

Worklist Smp#: 13

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

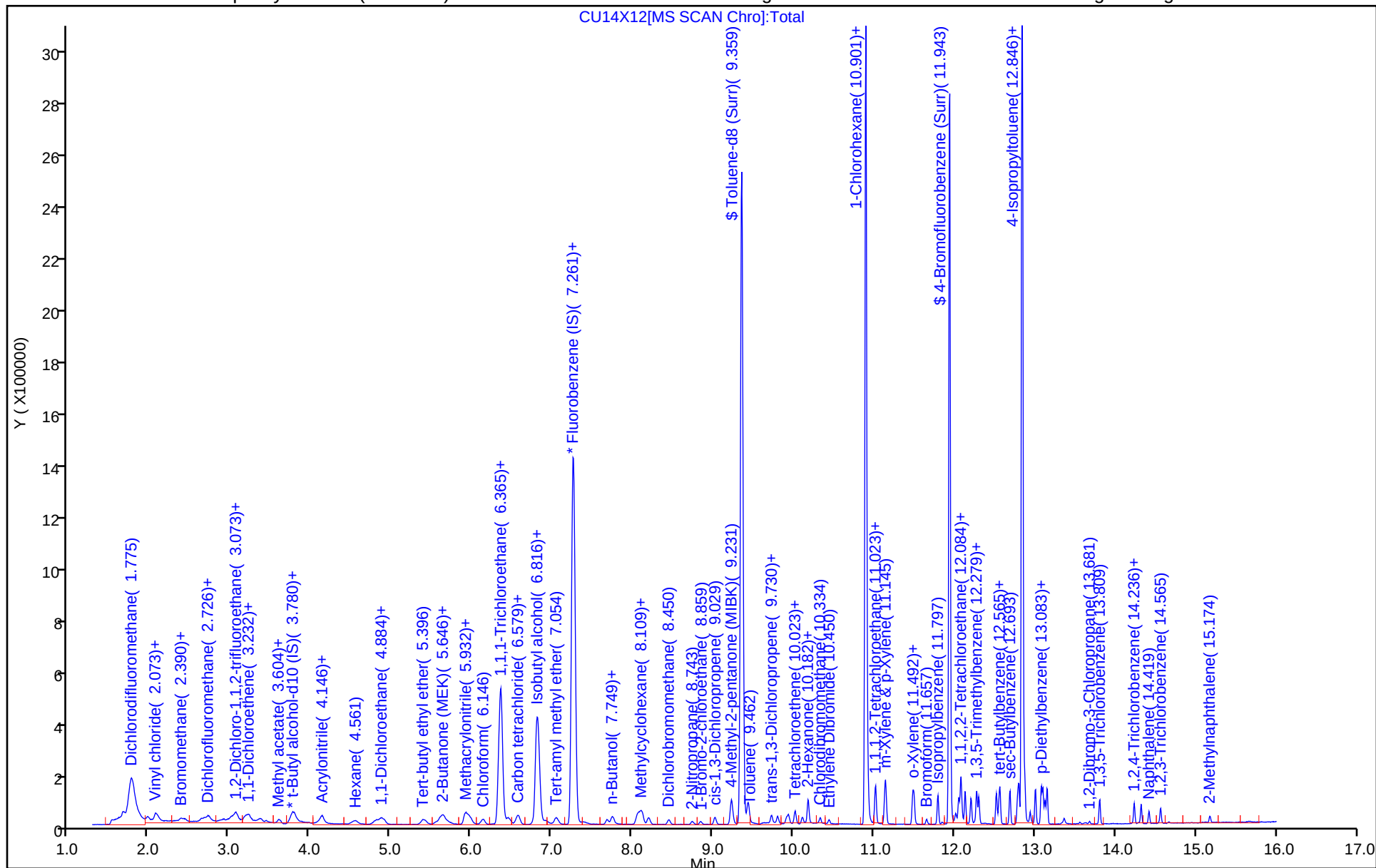
ALS Bottle#: 12

Method: MSV_10193_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

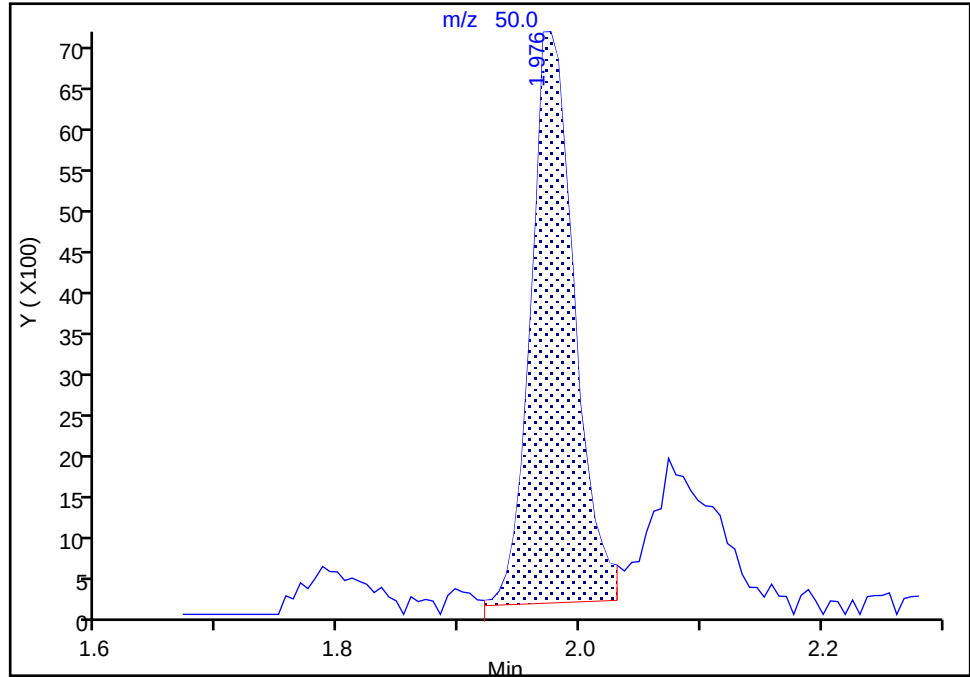
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

5 Chloromethane, CAS: 74-87-3

Signal: 1

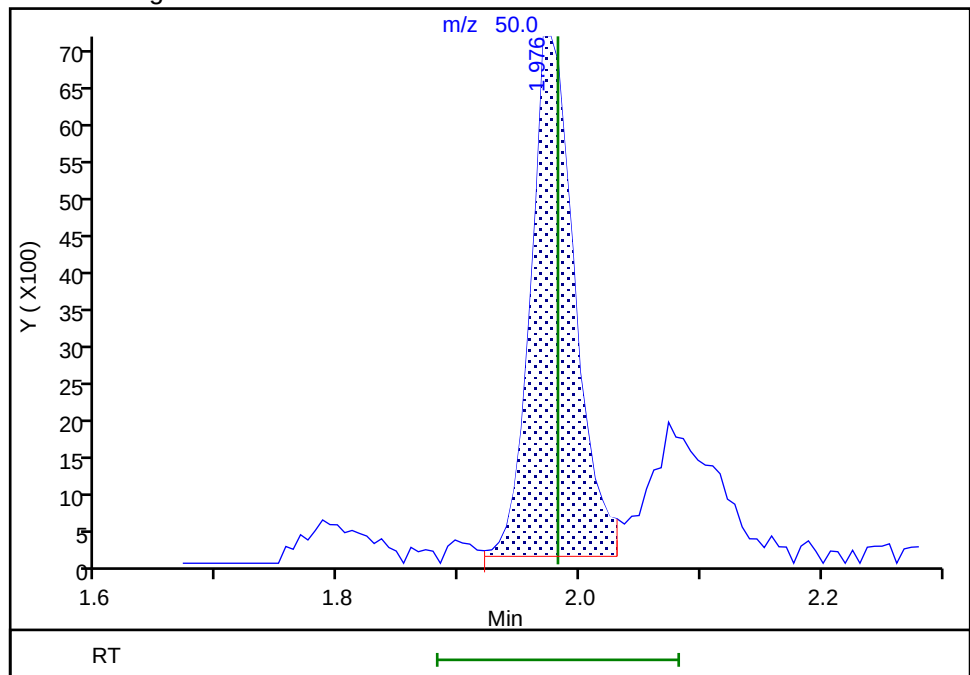
RT: 1.98
Area: 17542
Amount: 0.207429
Amount Units: ug/l

Processing Integration Results



RT: 1.98
Area: 17848
Amount: 0.210503
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:17:52 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

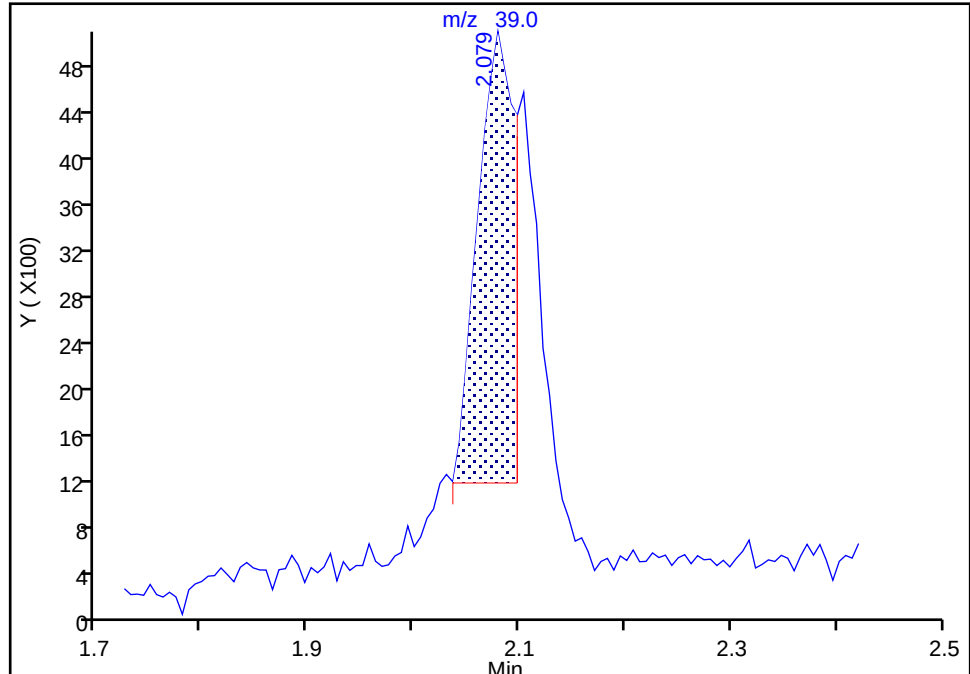
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

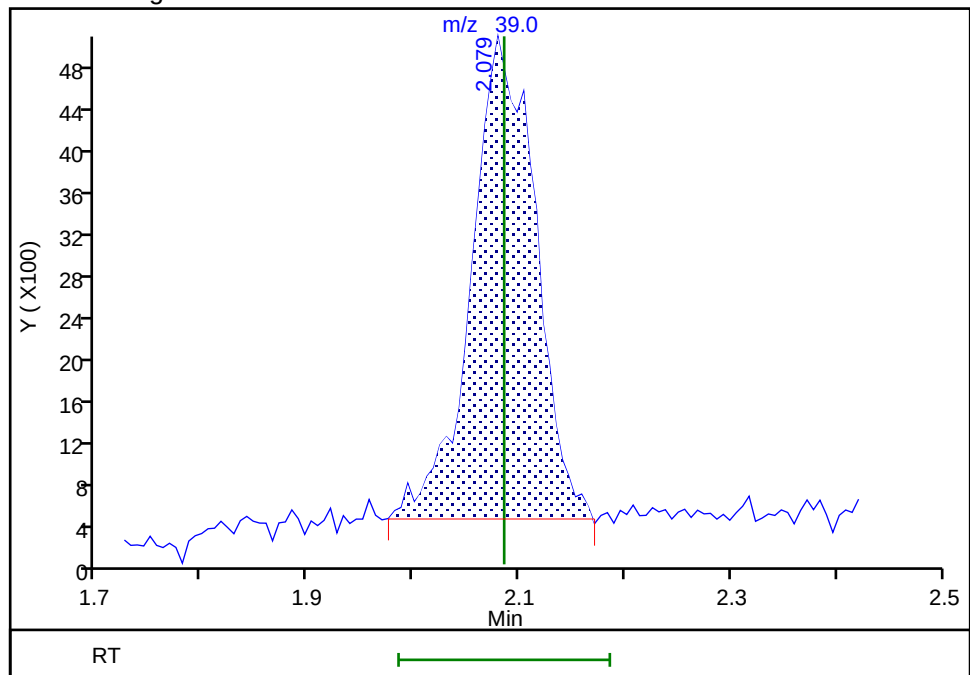
RT: 2.08
Area: 9455
Amount: 0.134196
Amount Units: ug/l

Processing Integration Results



RT: 2.08
Area: 19462
Amount: 0.218243
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:18:14 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

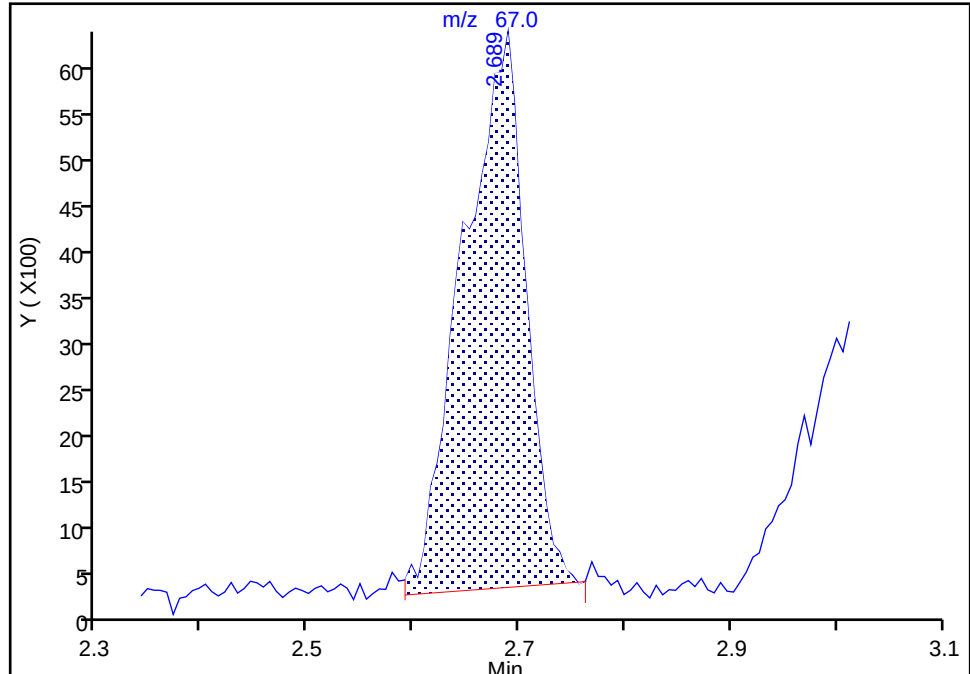
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Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

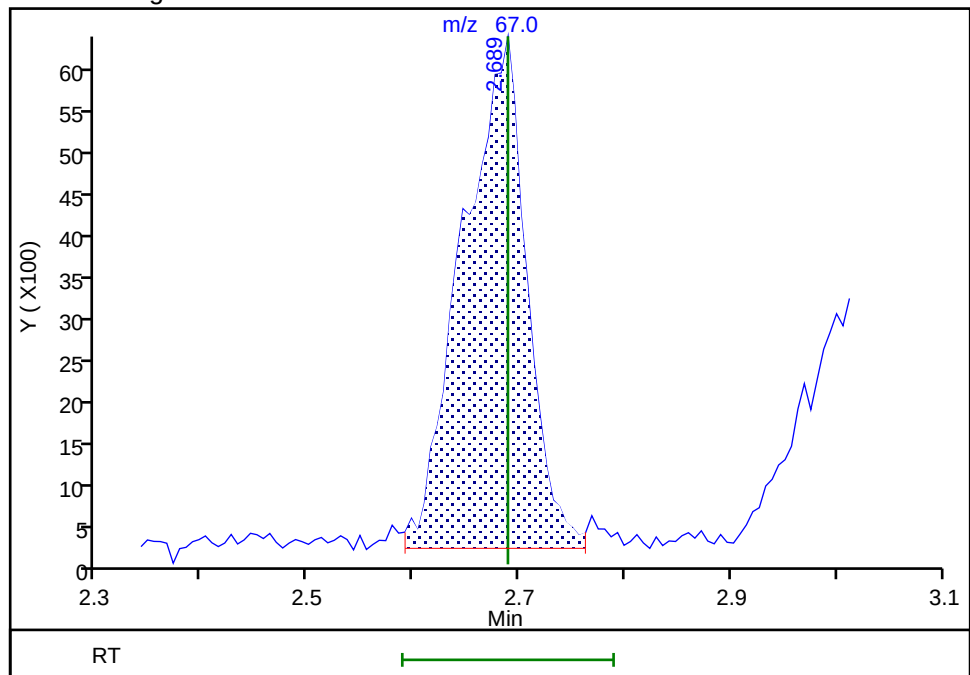
RT: 2.69
Area: 24710
Amount: 0.201080
Amount Units: ug/l

Processing Integration Results



RT: 2.69
Area: 25983
Amount: 0.209887
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:18:26 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

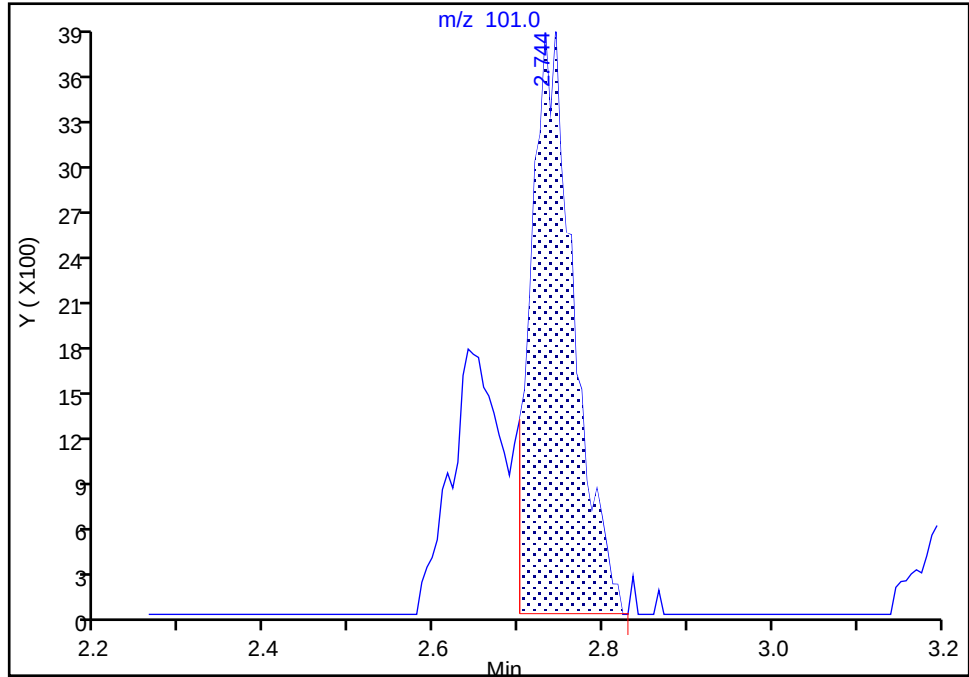
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Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

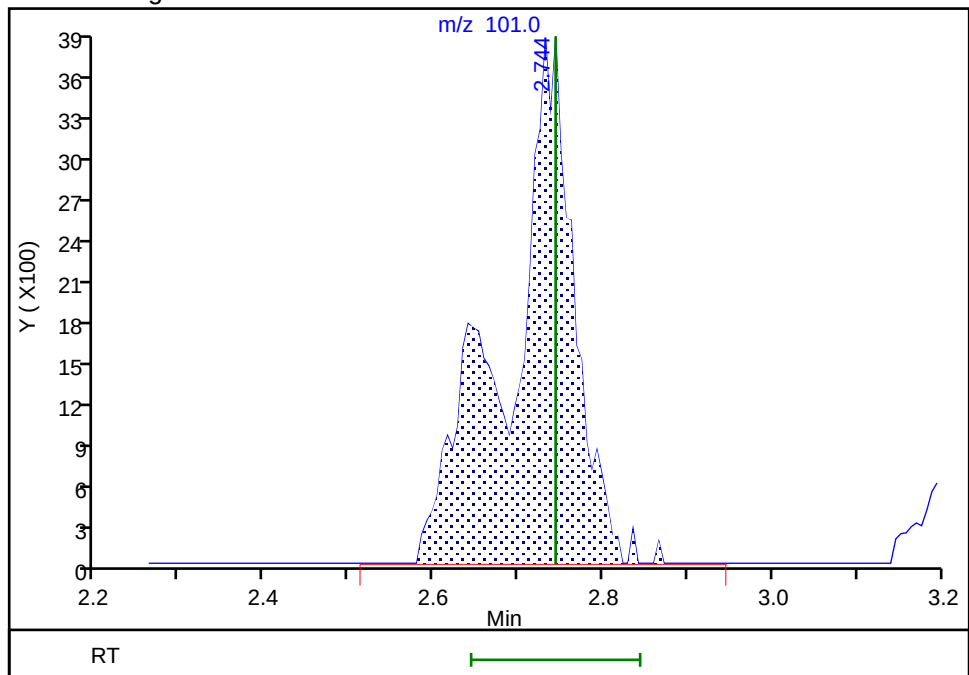
RT: 2.74
Area: 13407
Amount: 0.162707
Amount Units: ug/l

Processing Integration Results



RT: 2.74
Area: 20923
Amount: 0.215520
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:18:35 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

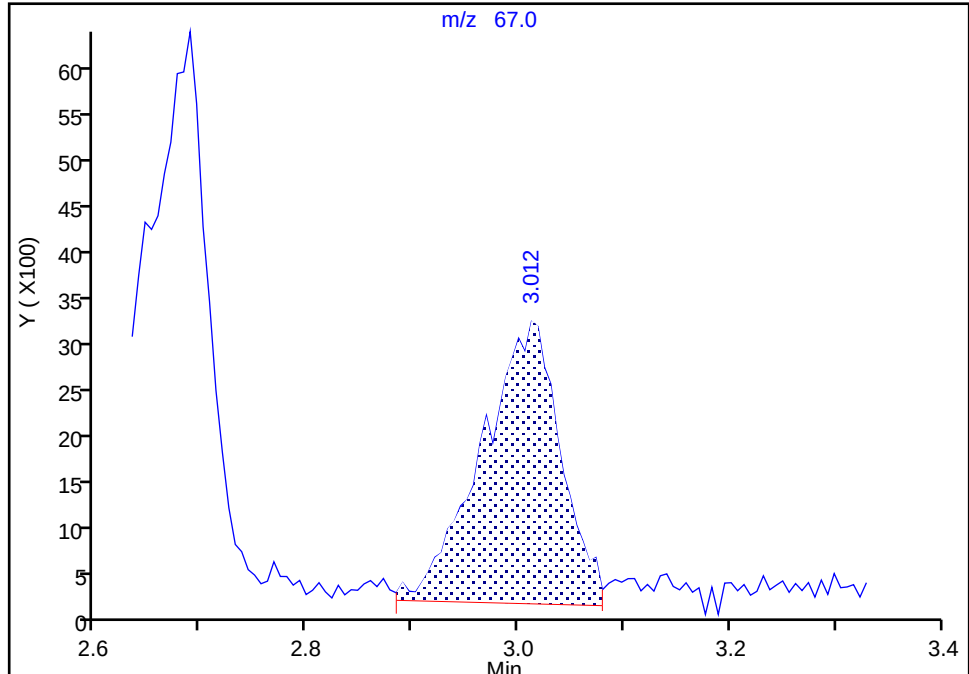
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

16 1,2-Dichloro-1,1,2-trifluoroetha, CAS: 354-23-4

Signal: 1

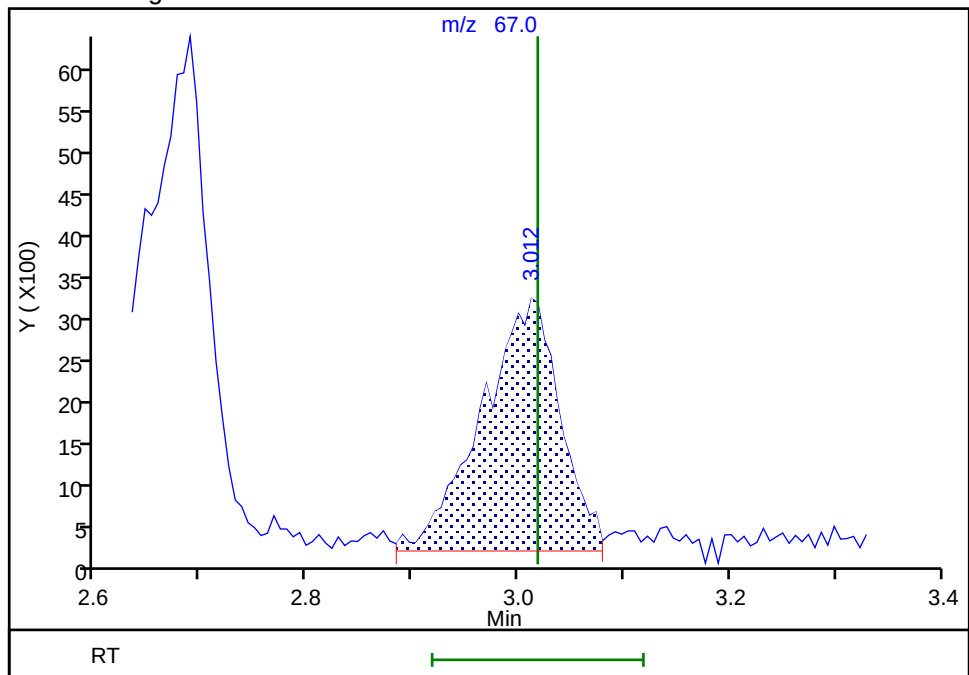
RT: 3.01
Area: 15830
Amount: 0.221315
Amount Units: ug/l

Processing Integration Results



RT: 3.01
Area: 15704
Amount: 0.219830
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:18:51 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

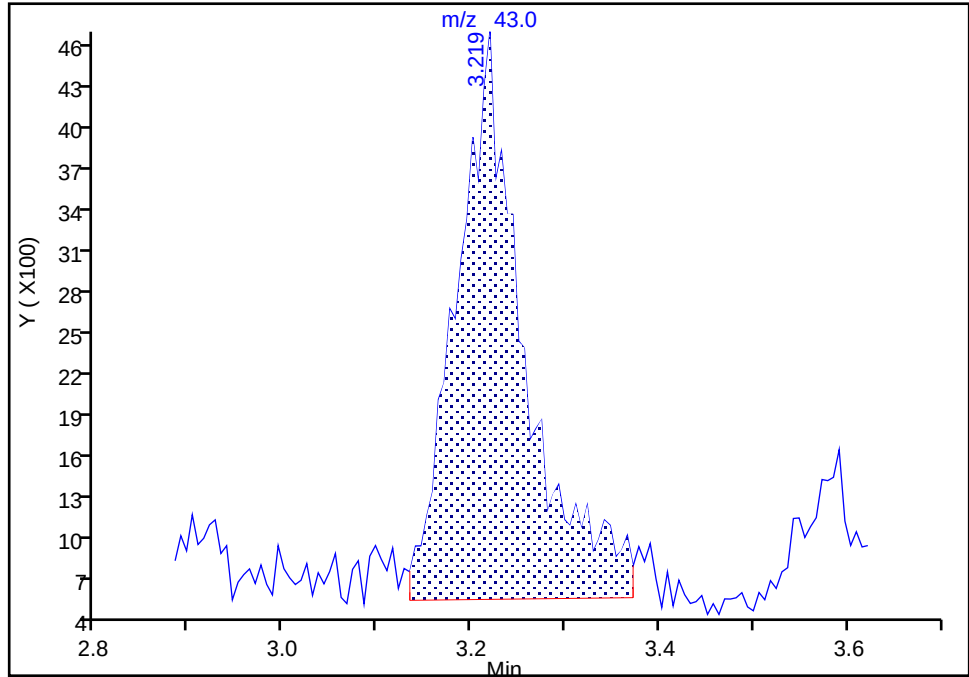
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Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

20 Acetone, CAS: 67-64-1

Signal: 1

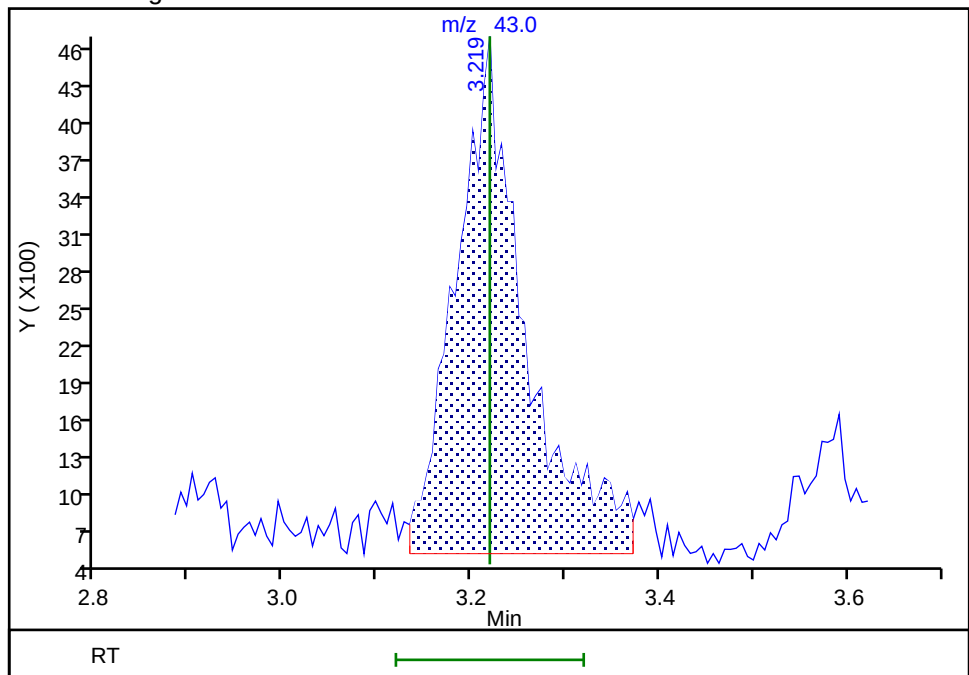
RT: 3.22
Area: 20557
Amount: 2.353725
Amount Units: ug/l

Processing Integration Results



RT: 3.22
Area: 21054
Amount: 2.444632
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:19:07 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

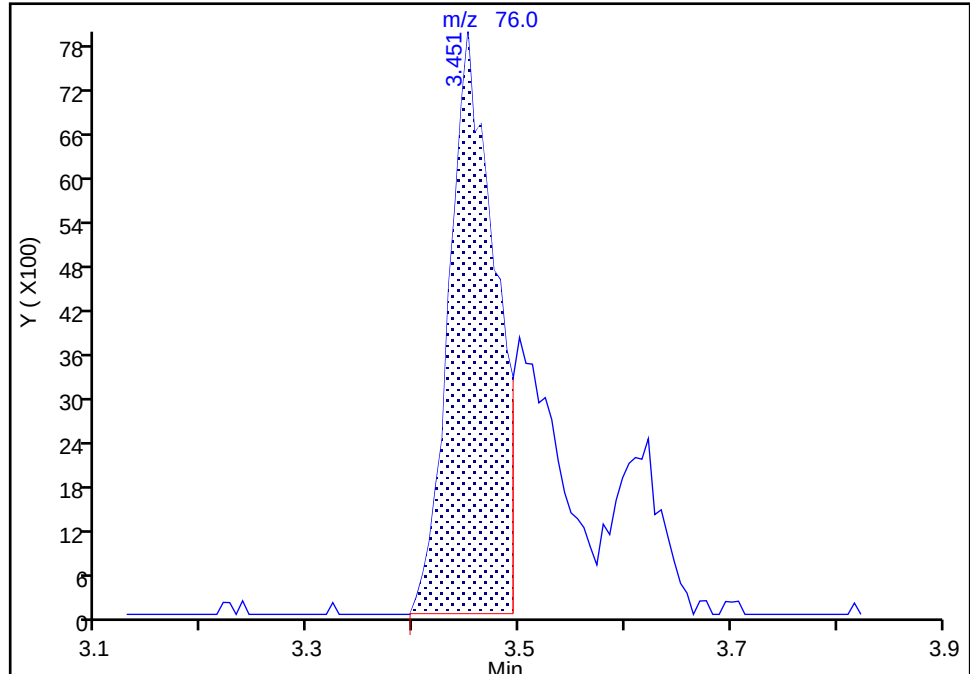
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Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

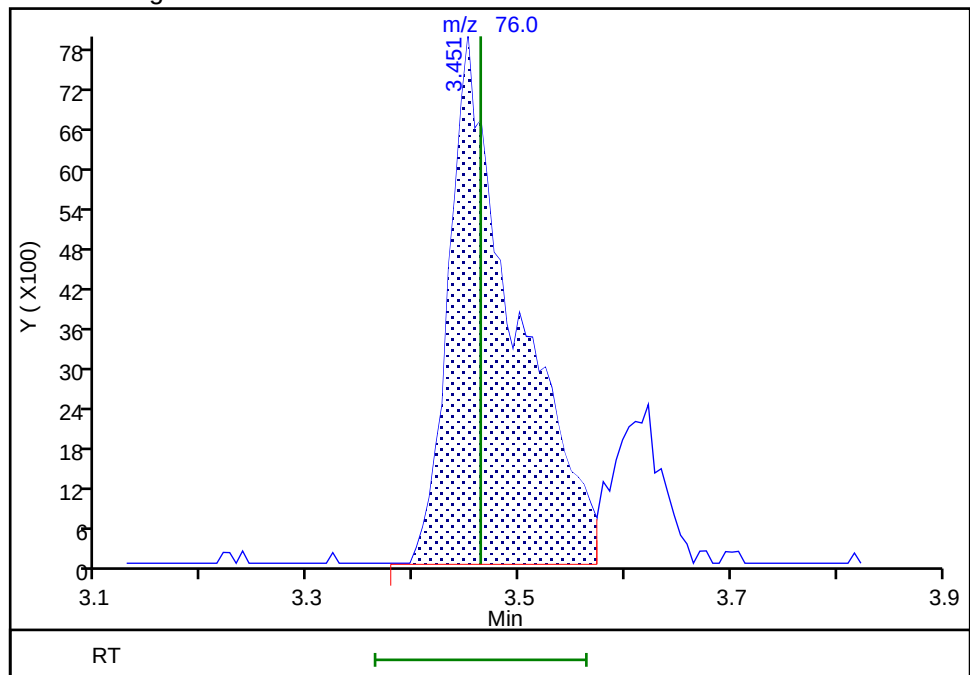
RT: 3.45
Area: 24242
Amount: 0.171043
Amount Units: ug/l

Processing Integration Results



RT: 3.45
Area: 34643
Amount: 0.206423
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:19:27 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

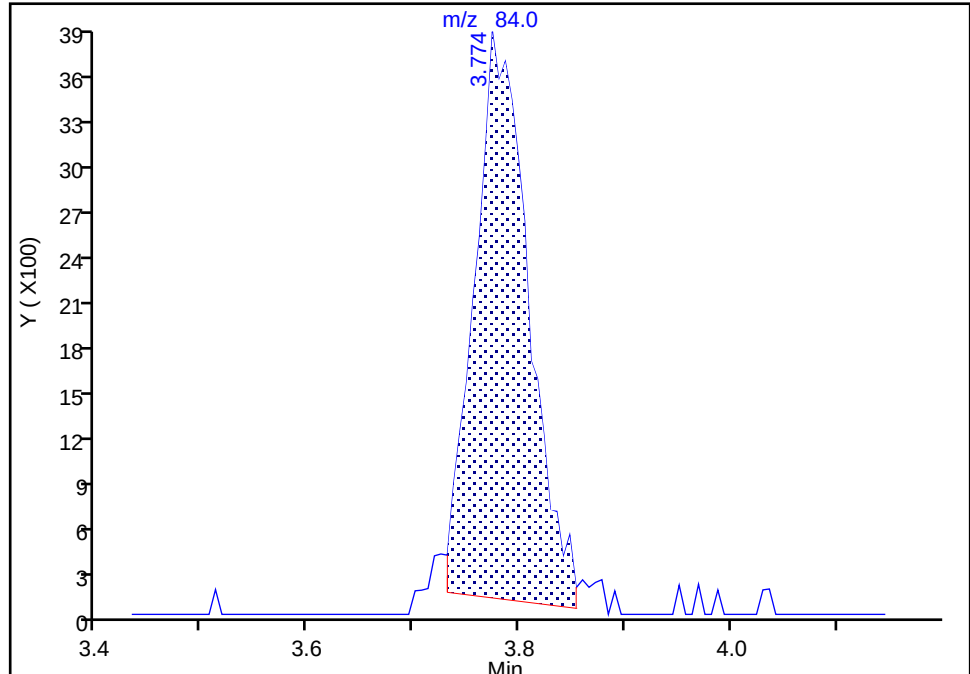
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

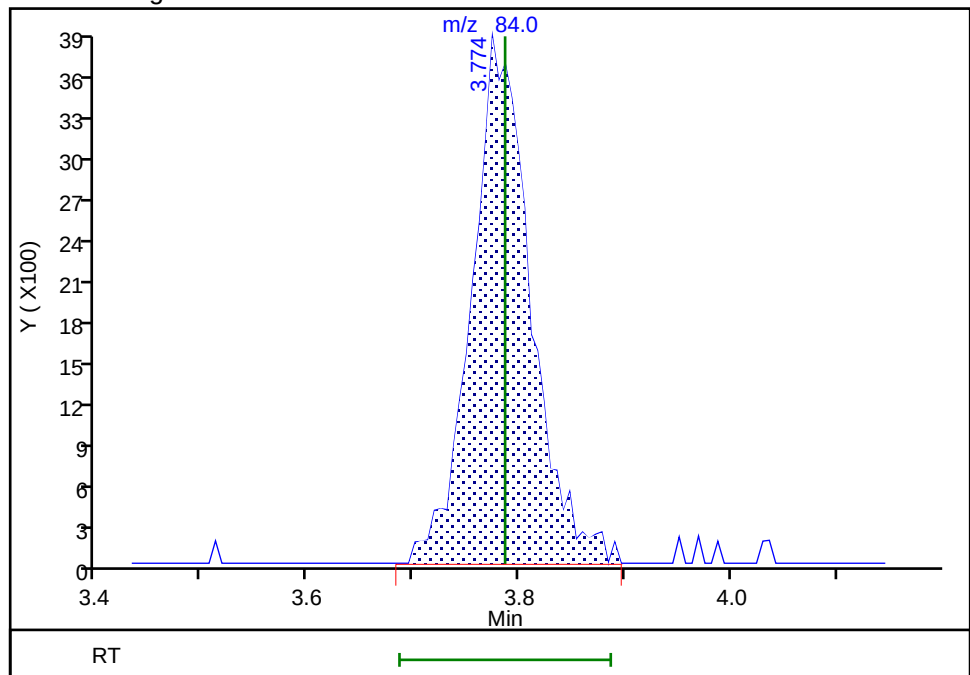
RT: 3.77
Area: 13391
Amount: 0.221210
Amount Units: ug/l

Processing Integration Results



RT: 3.77
Area: 14882
Amount: 0.241591
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:19:38 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

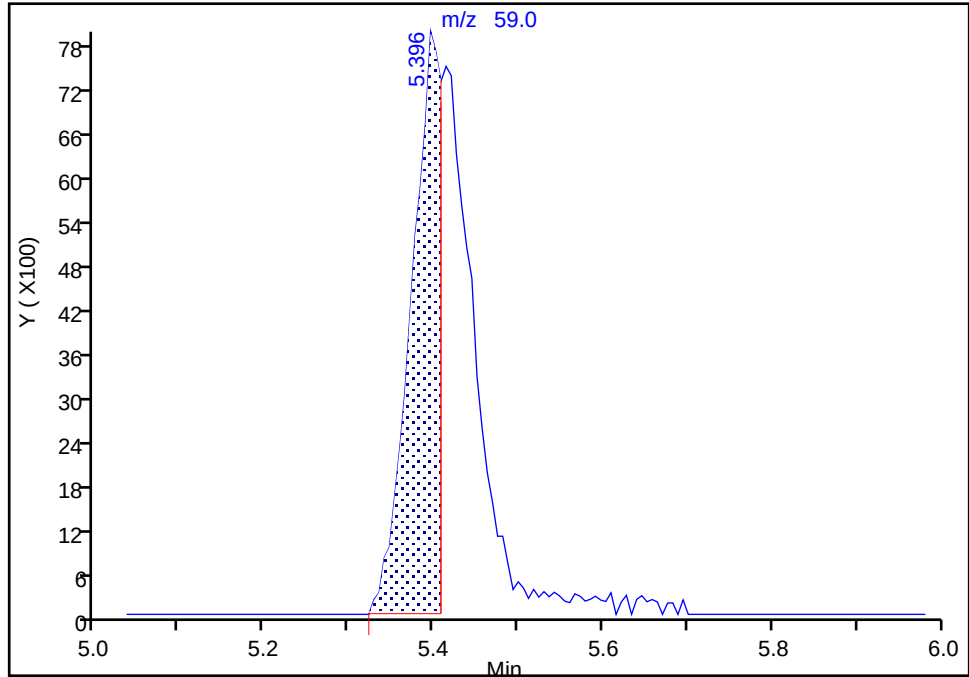
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Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

41 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

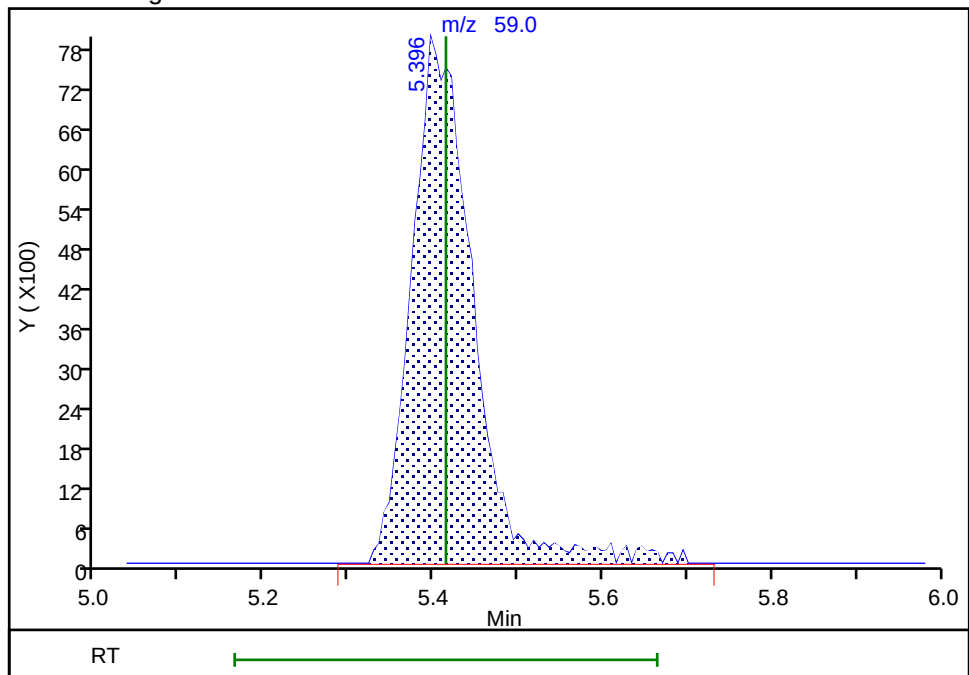
RT: 5.40
Area: 19645
Amount: 0.115148
Amount Units: ug/l

Processing Integration Results



RT: 5.40
Area: 39920
Amount: 0.215681
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:19:49 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

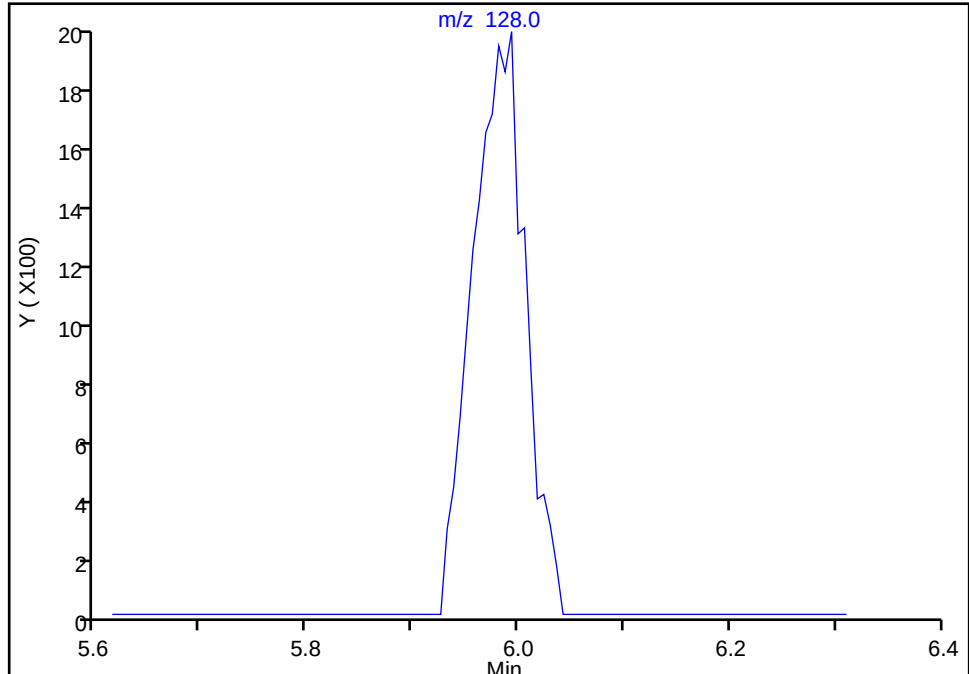
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

48 Chlorobromomethane, CAS: 74-97-5

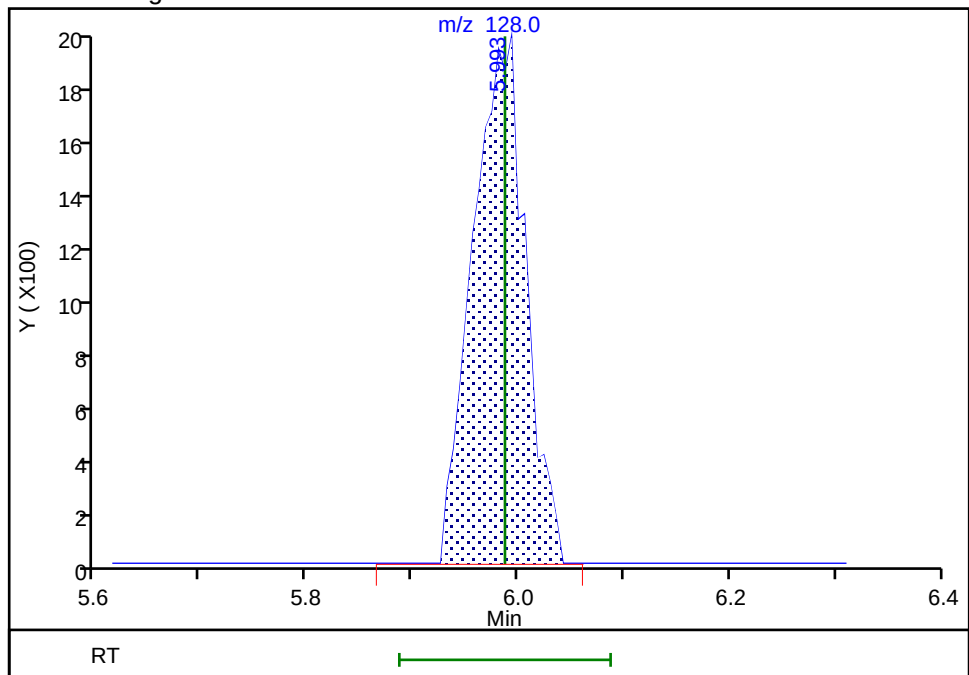
Signal: 1

Not Detected
Expected RT: 5.99

Processing Integration Results



Manual Integration Results



RT: 5.99
Area: 6692
Amount: 0.209076
Amount Units: ug/l

Reviewer: UCB5, 16-Jun-2024 13:20:02 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

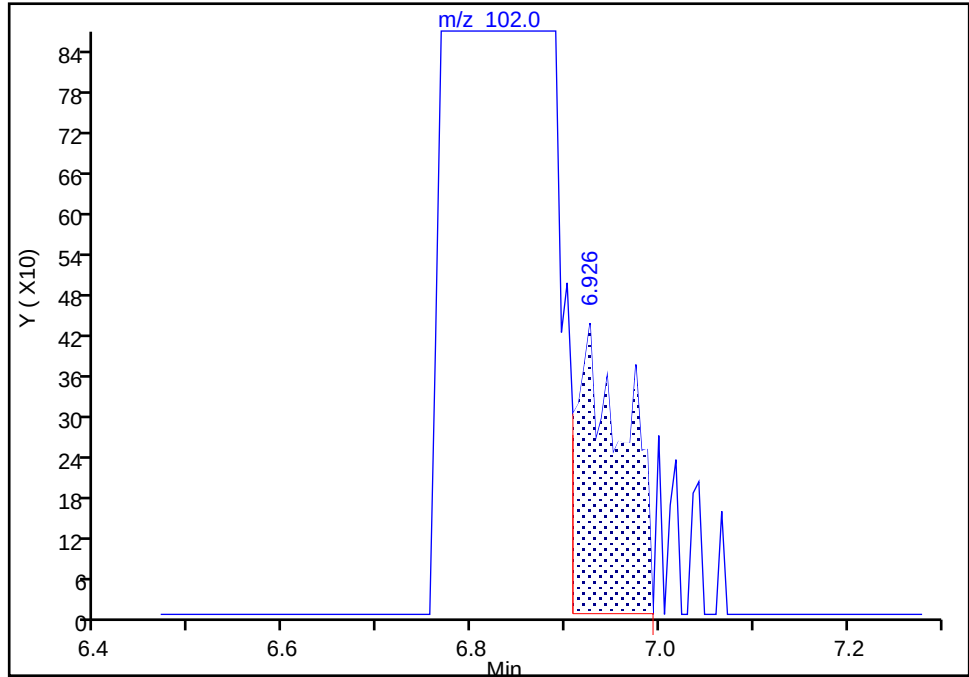
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

\$ 59 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

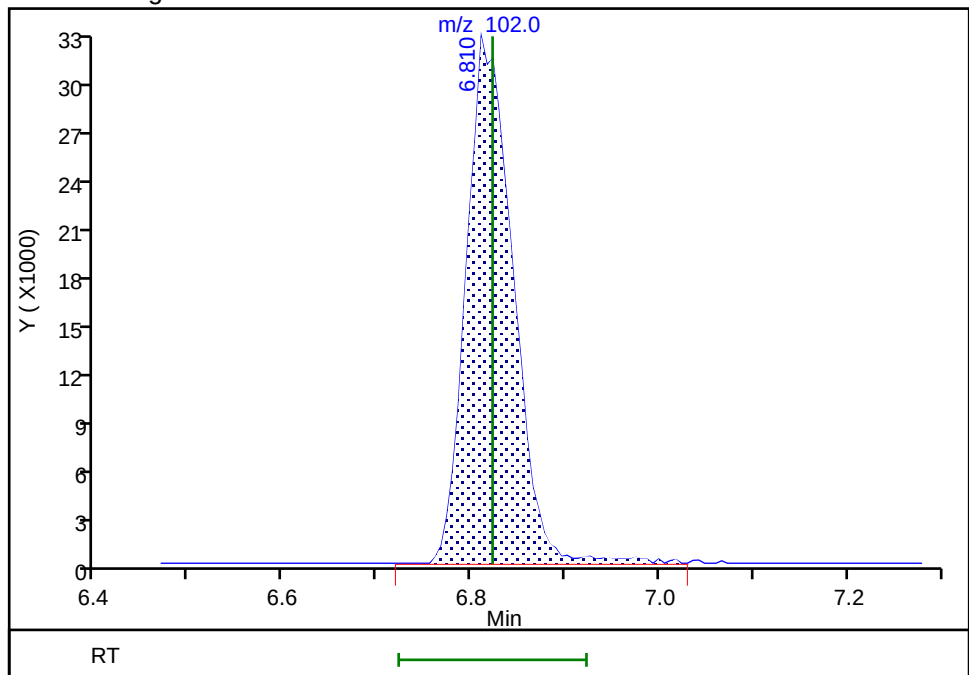
RT: 6.93
Area: 1536
Amount: 0.159843
Amount Units: ug/l

Processing Integration Results



RT: 6.81
Area: 112641
Amount: 10.060269
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:20:29 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

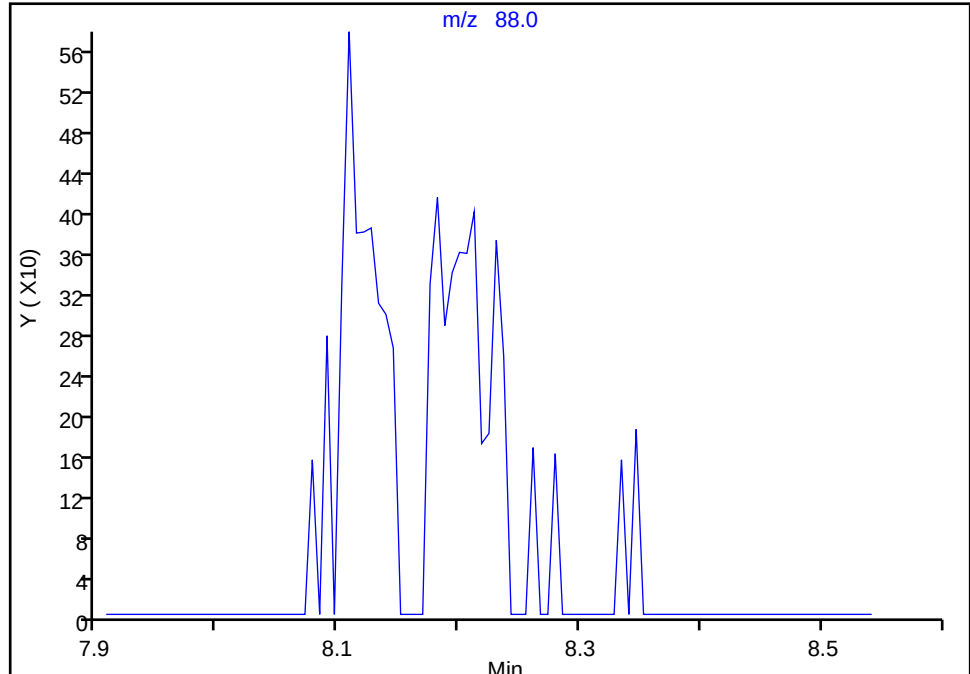
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Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 1,4-Dioxane, CAS: 123-91-1

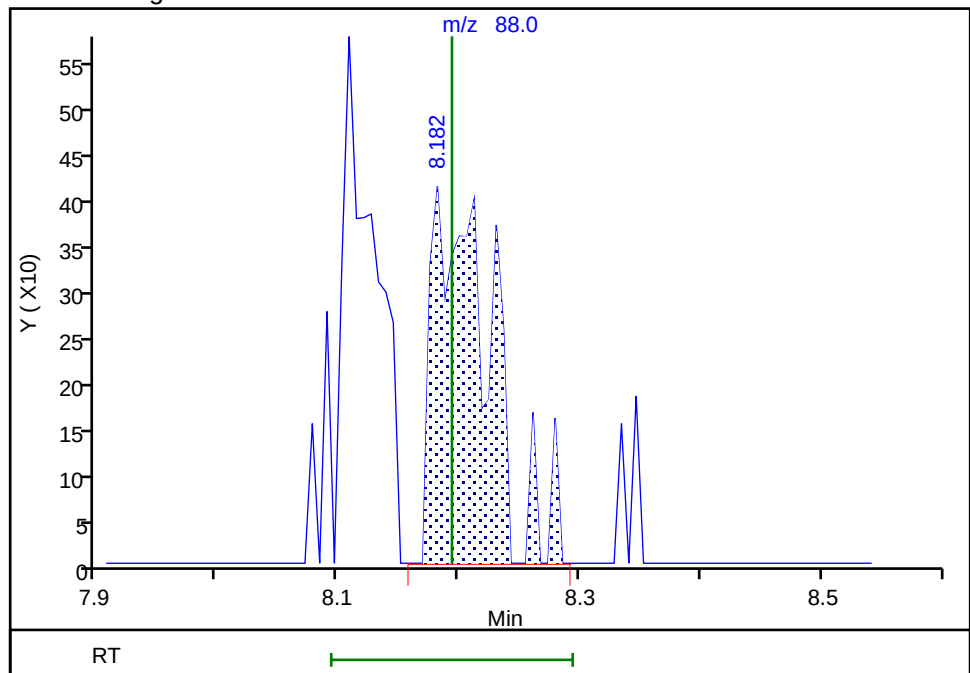
Signal: 1

Not Detected
Expected RT: 8.19

Processing Integration Results



Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:21:13 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

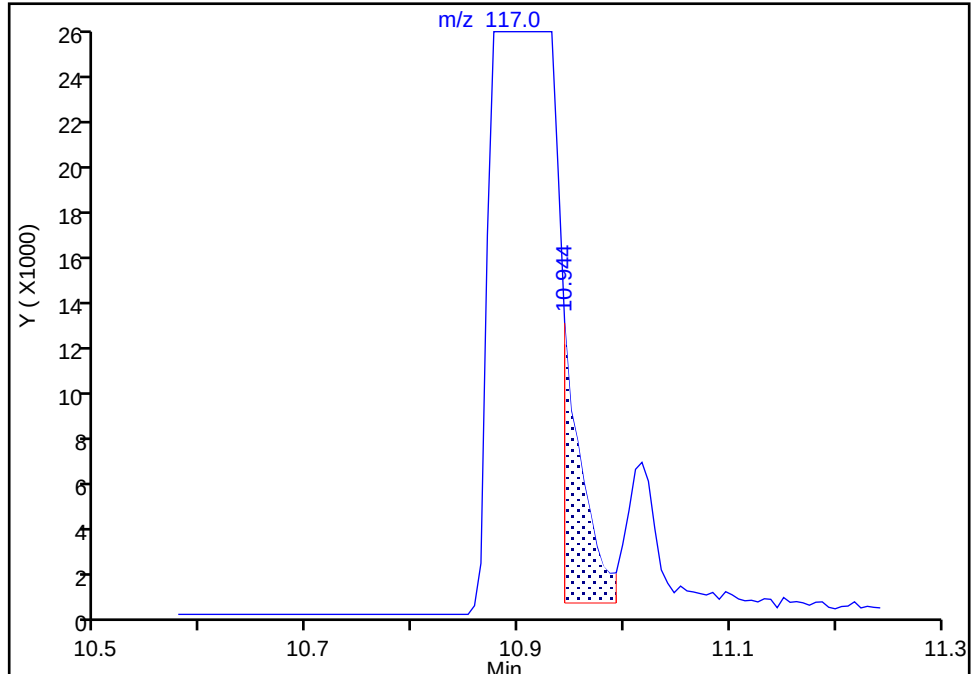
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) MS Quad

* 111 Chlorobenzene-d5 (IS), CAS: 3114-55-4

Signal: 1

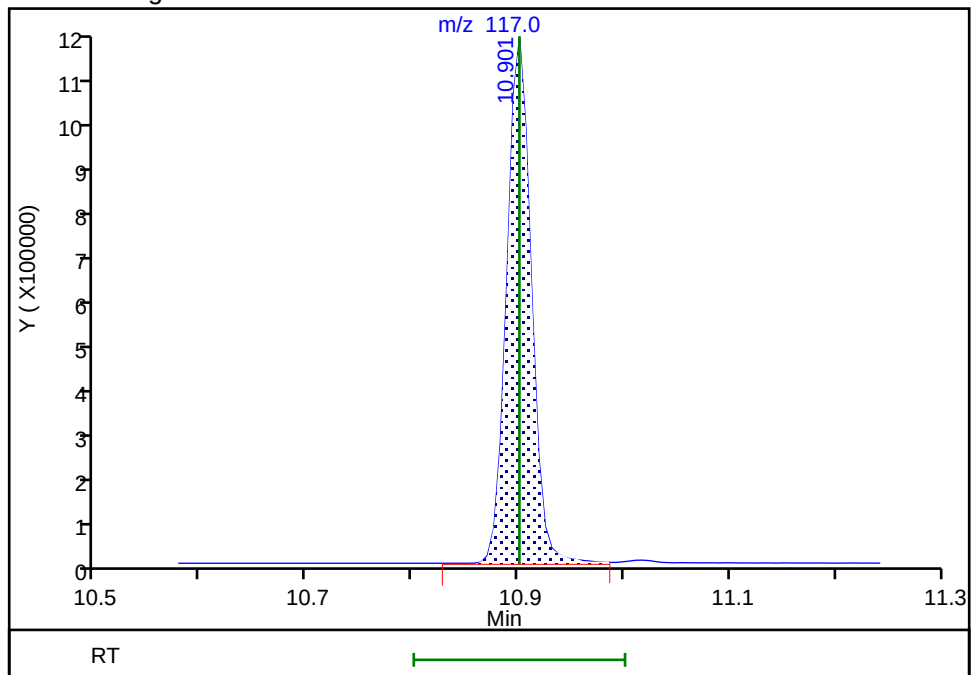
RT: 10.94
Area: 15751
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 10.90
Area: 1782883
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:22:01 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

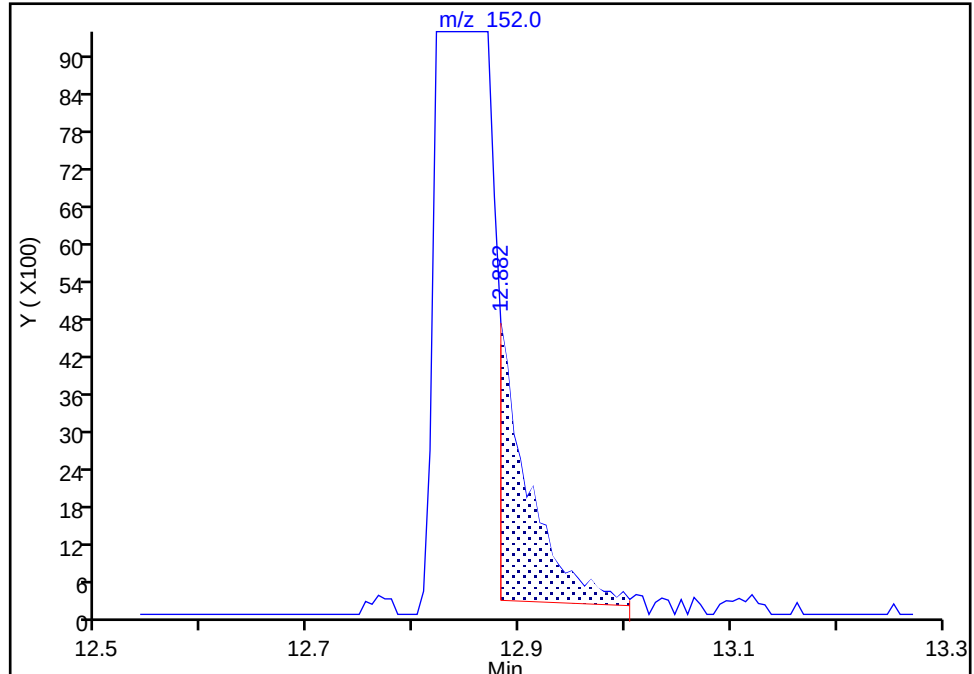
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1
Signal: 1

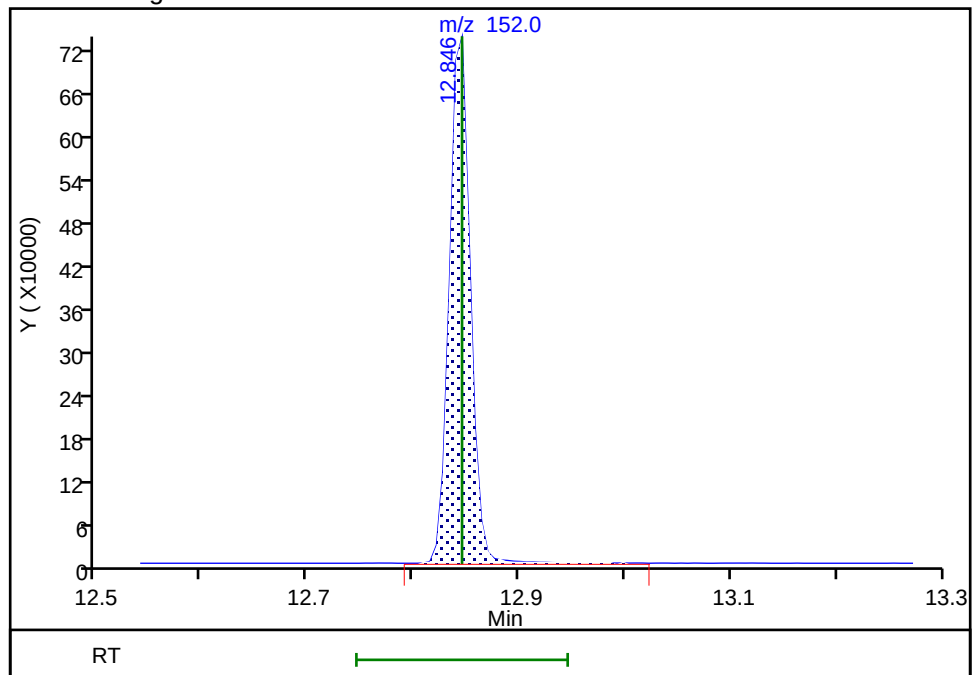
RT: 12.88
Area: 8576
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 12.85
Area: 1015421
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:22:42 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X13.D
 Lims ID: IC std2 0.5
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 14-Jun-2024 22:51:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116724-014
 Misc. Info.: IC STD.5 LG
 Operator ID: MEC29284 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 19:28:38 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1606

First Level Reviewer: UCB5

Date: 16-Jun-2024 13:28:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.799	0.000	99	37177	0.5000	0.4977	
5 Chloromethane	50	1.982	1.982	0.000	99	44306	0.5000	0.5250	
6 Vinyl chloride	62	2.079	2.085	-0.006	98	42389	0.5000	0.5104	
7 Butadiene	39	2.079	2.085	-0.006	95	43922	0.5000	0.4948	M
9 Bromomethane	94	2.396	2.396	0.000	90	29766	0.5000	0.5096	
10 Chloroethane	64	2.439	2.445	-0.006	99	23856	0.5000	0.5016	
11 Dichlorofluoromethane	67	2.689	2.689	0.000	97	59601	0.5000	0.4837	
13 Pentane	43	2.732	2.738	-0.006	97	39044	0.5000	0.4734	
12 Trichlorofluoromethane	101	2.738	2.744	-0.006	97	47549	0.5000	0.4921	
14 Ethyl ether	59	2.914	2.921	-0.007	92	21441	0.4999	0.4913	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.006	3.018	-0.012	93	36239	0.5000	0.5097	
17 Acrolein	56	3.079	3.073	0.006	99	164124	25.1	22.6	
18 1,1-Dichloroethene	96	3.189	3.195	-0.006	97	26536	0.5000	0.5156	
20 Acetone	43	3.219	3.219	0.000	100	47638	5.00	5.10	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.238	3.244	-0.006	90	26179	0.5000	0.4945	
24 Isopropyl alcohol	45	3.384	3.366	0.018	37	18207	10.0	9.48	
22 Iodomethane	142	3.366	3.372	-0.006	97	52317	0.5000	0.4883	
23 Ethyl bromide	108	3.396	3.396	0.000	97	23488	0.5009	0.5014	
25 Carbon disulfide	76	3.457	3.463	-0.006	98	80537	0.5000	0.4821	M
26 Methyl acetate	43	3.591	3.585	0.006	21	13658	0.5000	0.5091	M
29 3-Chloro-1-propene	41	3.609	3.616	-0.007	92	41675	0.5000	0.4875	
30 Methylene Chloride	84	3.786	3.786	0.000	95	30489	0.5000	0.4973	
* 31 t-Butyl alcohol-d10 (IS)	65	3.798	3.792	0.006	96	188422	50.0	50.0	
32 2-Methyl-2-propanol	59	3.914	3.908	0.006	99	38284	10.0	10.5	
33 Acrylonitrile	53	4.097	4.091	0.006	95	16396	1.25	1.20	
35 trans-1,2-Dichloroethene	96	4.146	4.146	0.000	99	30060	0.5000	0.4895	
34 Methyl tert-butyl ether	73	4.152	4.146	0.006	94	77651	0.5000	0.4944	
36 Hexane	57	4.567	4.561	0.006	92	39337	0.5000	0.4931	
37 1,1-Dichloroethane	63	4.804	4.804	0.000	96	51613	0.5000	0.4892	
39 Isopropyl ether	45	4.878	4.871	0.007	94	92217	0.5000	0.4904	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.908	4.914	-0.006	90	42355	0.5000	0.4841	
41 Tert-butyl ethyl ether	59	5.408	5.414	-0.006	98	90588	0.5000	0.4917	
42 2-Butanone (MEK)	43	5.621	5.615	0.006	99	78834	5.00	4.60	
43 cis-1,2-Dichloroethene	96	5.658	5.652	0.006	80	33306	0.5000	0.4828	
44 2,2-Dichloropropane	77	5.670	5.670	0.000	73	45206	0.5000	0.5170	
45 Propionitrile	54	5.719	5.719	0.000	99	42419	10.0	9.17	
47 Methacrylonitrile	67	5.932	5.926	0.006	91	77190	5.00	4.55	
49 Tetrahydrofuran	71	5.987	5.981	0.006	76	13124	2.50	2.45	
48 Chlorobromomethane	128	5.987	5.987	0.000	85	15450	0.5000	0.4850	
50 Chloroform	83	6.152	6.146	0.006	93	56816	0.5000	0.5084	
S 52 1,2-Dichloroethene, Total	100				0			0.9723	
\$ 54 Dibromofluoromethane (Surr)	113	6.365	6.365	0.000	94	543106	10.0	9.97	
53 1,1,1-Trichloroethane	97	6.365	6.371	-0.006	39	46177	0.5000	0.4946	
55 Cyclohexane	56	6.463	6.463	0.000	90	48058	0.5000	0.4833	
57 1,1-Dichloropropene	75	6.572	6.585	-0.012	93	40770	0.5000	0.4885	M
56 Carbon tetrachloride	117	6.572	6.585	-0.012	93	40728	0.5000	0.4817	
58 Isobutyl alcohol	41	6.774	6.780	-0.006	92	30940	25.0	23.7	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.822	-0.006	99	109341	10.0	9.81	
60 Benzene	78	6.841	6.853	-0.012	94	124904	0.5000	0.4979	
61 1,2-Dichloroethane	62	6.920	6.926	-0.006	97	32250	0.5000	0.5040	
64 Tert-amyl methyl ether	73	7.054	7.060	-0.006	98	82988	0.5000	0.4847	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2249339	10.0	10.0	
66 n-Heptane	43	7.286	7.286	0.000	38	39635	0.5000	0.4792	
67 n-Butanol	56	7.688	7.682	0.006	87	47106	43.8	39.2	
68 Trichloroethene	95	7.749	7.755	-0.006	96	34377	0.5000	0.4978	
69 Methylcyclohexane	83	8.066	8.066	0.000	91	53014	0.5000	0.4789	
70 1,2-Dichloropropane	63	8.096	8.096	0.000	97	31356	0.5000	0.4883	
71 2-ethoxy-2-methyl butane	87	8.121	8.127	-0.006	92	49965	0.5000	0.4785	
74 1,4-Dioxane	88	8.194	8.194	0.000	32	6332	25.0	26.9	M
73 Methyl methacrylate	69	8.194	8.200	-0.006	89	17148	0.5000	0.4824	
72 Dibromomethane	93	8.206	8.206	0.000	86	15752	0.5000	0.4816	
76 Dichlorobromomethane	83	8.450	8.456	-0.006	99	37902	0.5000	0.4891	
77 2-Nitropropane	41	8.743	8.743	0.000	98	21479	2.50	2.24	
78 1-Bromo-2-chloroethane	63	8.846	8.846	0.000	98	30765	0.5000	0.4899	
80 cis-1,3-Dichloropropene	75	9.029	9.029	0.000	96	48372	0.5000	0.4822	
82 4-Methyl-2-pentanone (MIBK)	43	9.230	9.230	0.000	96	198148	5.00	4.52	
\$ 83 Toluene-d8 (Surr)	98	9.358	9.358	0.000	93	2266302	10.0	9.91	
84 Toluene	92	9.438	9.444	-0.006	98	81838	0.5000	0.4828	
85 trans-1,3-Dichloropropene	75	9.730	9.730	0.000	92	40829	0.5000	0.4727	
86 Ethyl methacrylate	69	9.803	9.803	0.000	89	34505	0.5000	0.4664	
87 1,1,2-Trichloroethane	97	9.938	9.944	-0.006	90	24613	0.5000	0.5018	
88 Tetrachloroethene	166	10.023	10.023	0.000	96	40580	0.5000	0.4821	
S 107 1,3-Dichloropropene, Total	100				0			0.9549	
89 1,3-Dichloropropane	76	10.114	10.114	0.000	89	39318	0.5000	0.4824	
106 2-Hexanone	43	10.181	10.181	0.000	95	145548	5.00	4.57	
108 Chlorodibromomethane	129	10.334	10.334	0.000	91	29737	0.5000	0.4720	
110 Ethylene Dibromide	107	10.444	10.444	0.000	99	23629	0.5000	0.4859	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	83	1784584	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	95	49378	0.5000	0.4970	
113 Chlorobenzene	112	10.925	10.925	0.000	97	97393	0.5000	0.4807	
114 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	95	34413	0.5000	0.4819	
115 Ethylbenzene	91	11.023	11.023	0.000	97	159513	0.5000	0.4793	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.145	11.145	0.000	97	131343	1.00	0.9636	
S 117 Xylenes, Total	106				0			1.45	
118 o-Xylene	106	11.486	11.486	0.000	96	65549	0.5000	0.4878	
119 Styrene	104	11.498	11.498	0.000	94	106915	0.5000	0.4802	
120 Bromoform	173	11.657	11.657	0.000	98	19199	0.5000	0.4727	
121 Isopropylbenzene	105	11.797	11.797	0.000	95	152336	0.5000	0.4777	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.943	-0.006	94	849659	10.0	9.88	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	92	29335	0.5000	0.4896	
125 Bromobenzene	156	12.059	12.059	0.000	88	44160	0.5000	0.4891	
127 trans-1,4-Dichloro-2-butene	53	12.083	12.083	0.000	91	66951	5.00	4.76	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	77	8200	0.5000	0.4928	
129 N-Propylbenzene	91	12.132	12.138	-0.006	98	188721	0.5000	0.4862	
130 2-Chlorotoluene	126	12.205	12.211	-0.006	98	42086	0.5000	0.4835	
131 1,3,5-Trimethylbenzene	105	12.279	12.279	0.000	94	140114	0.5000	0.4833	
132 4-Chlorotoluene	126	12.303	12.303	0.000	97	44945	0.5000	0.4953	
133 tert-Butylbenzene	134	12.522	12.522	0.000	92	33982	0.5000	0.4874	
134 Pentachloroethane	167	12.553	12.553	0.000	79	24576	0.5000	0.4703	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	96	144139	0.5000	0.4815	
136 sec-Butylbenzene	105	12.693	12.693	0.000	93	181269	0.5000	0.4846	
137 1,3-Dichlorobenzene	146	12.785	12.785	0.000	98	85569	0.5000	0.4797	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	162015	0.5000	0.4819	
* 139 1,4-Dichlorobenzene-d4	152	12.845	12.846	-0.001	93	1026393	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.864	12.864	0.000	95	88542	0.5000	0.4852	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	98	66932	0.5000	0.4844	
142 Benzyl chloride	126	12.943	12.943	0.000	97	13638	0.5000	0.4967	
145 p-Diethylbenzene	119	13.083	13.083	0.000	94	101562	0.5000	0.4848	
143 n-Butylbenzene	92	13.102	13.102	0.000	96	77859	0.5000	0.4823	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	78610	0.5000	0.4827	
148 1,2-Dibromo-3-Chloropropane	155	13.687	13.681	0.006	89	4872	0.5000	0.4911	
149 1,3,5-Trichlorobenzene	180	13.809	13.803	0.006	97	65319	0.5000	0.4720	
150 1,2,4-Trichlorobenzene	180	14.235	14.235	0.000	94	51723	0.5000	0.4612	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	97	27875	0.5000	0.4813	
152 Naphthalene	128	14.418	14.418	0.000	96	81310	0.5000	0.4580	
153 1,2,3-Trichlorobenzene	180	14.565	14.565	0.000	95	40540	0.5000	0.4635	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	91	30266	0.5000	0.3850	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00133

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00140

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00214

Amount Added: 2.00

Units: uL

MSV_HP25_ISSS_00090

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X13.D

Injection Date: 14-Jun-2024 22:51:30

Instrument ID: 10193

Operator ID: MEC29284

Lims ID: IC std2 0.5

Worklist Smp#: 14

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

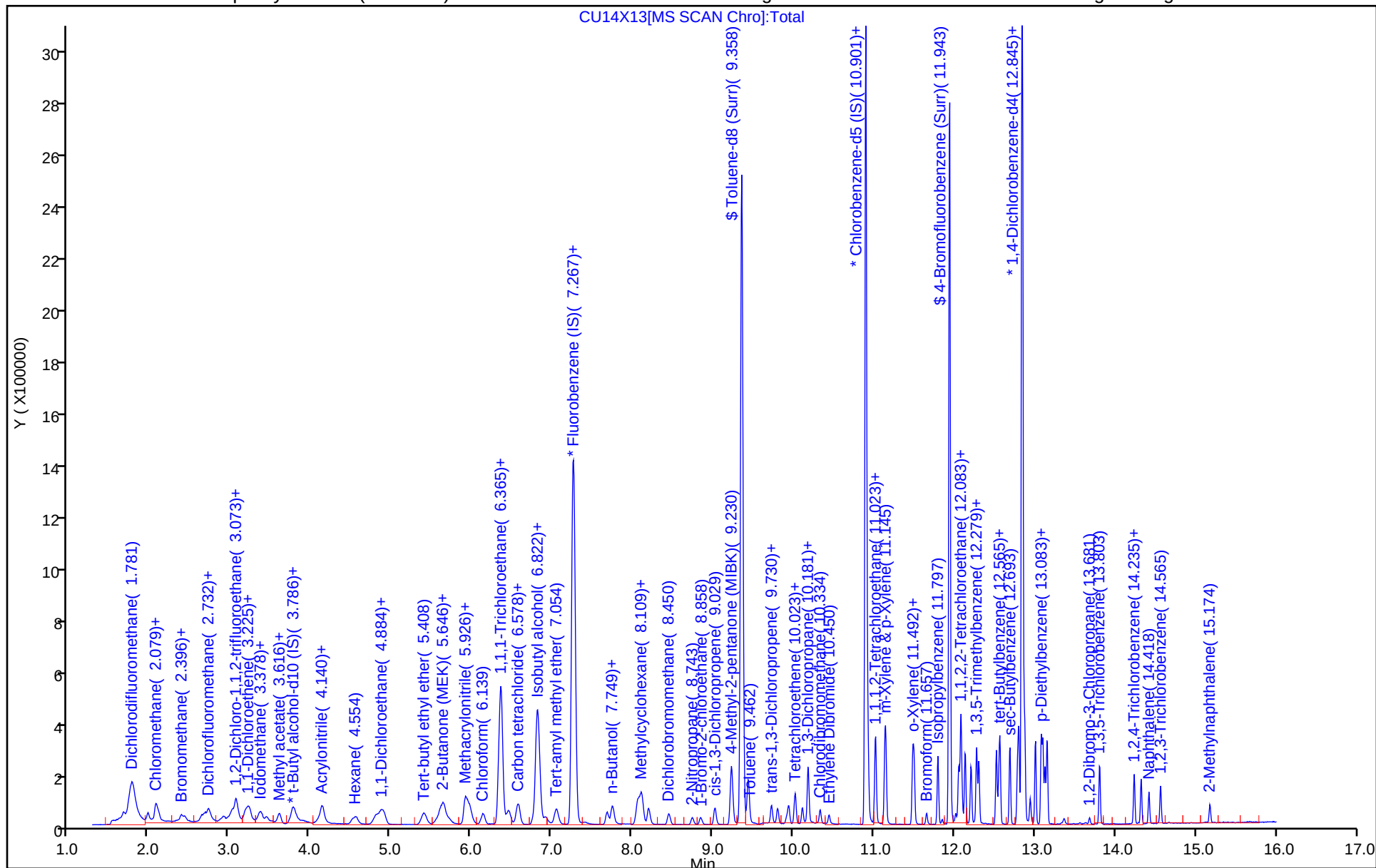
ALS Bottle#: 13

Method: MSV_10193_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

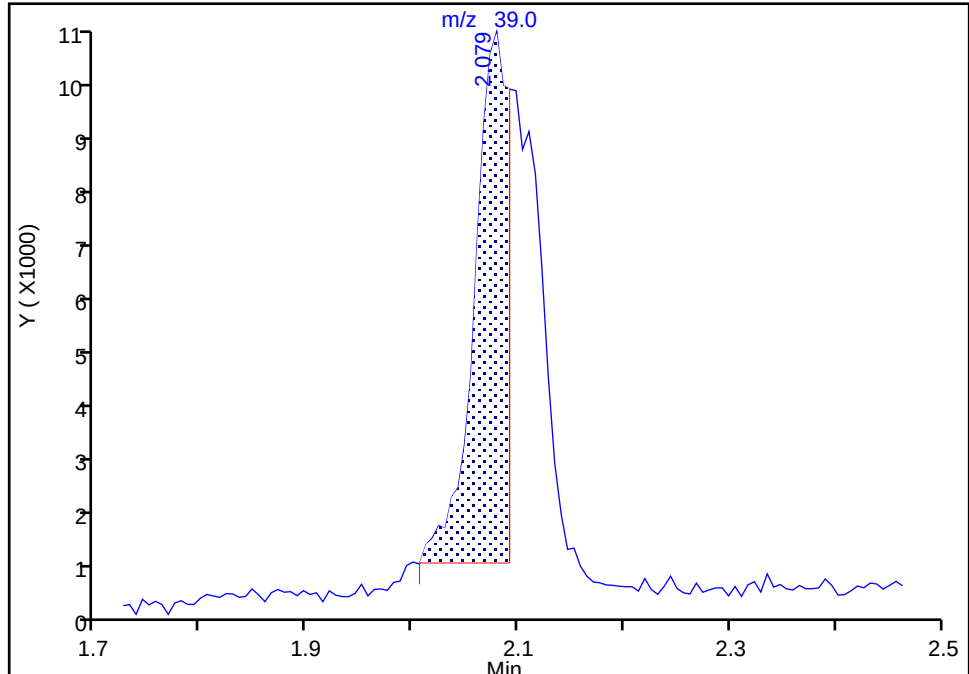
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Injection Date: 14-Jun-2024 22:51:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: MEC29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

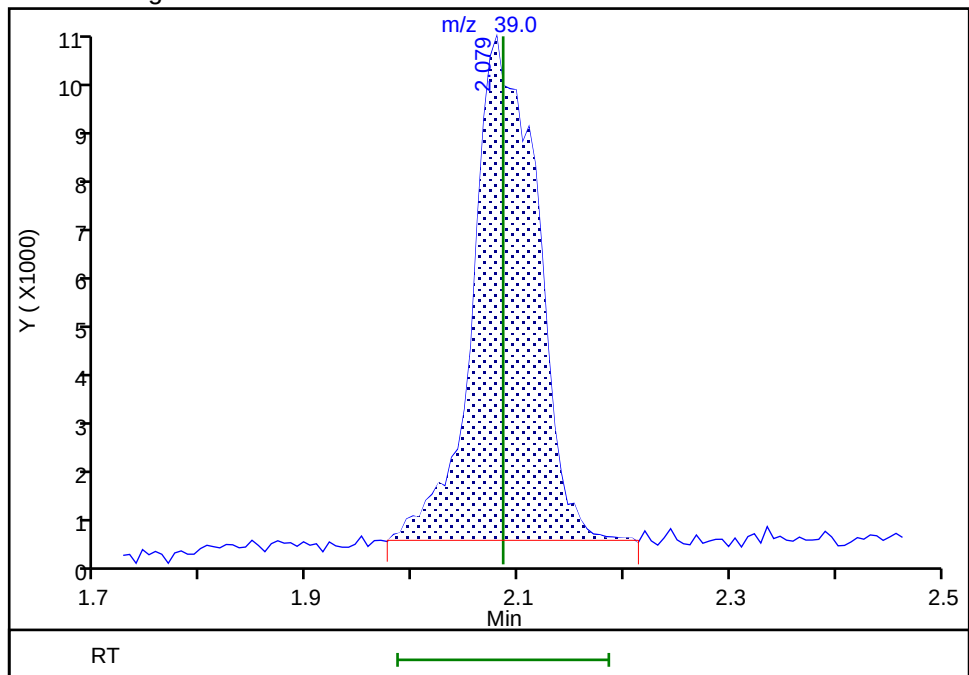
RT: 2.08
Area: 22530
Amount: 0.291684
Amount Units: ug/l

Processing Integration Results



RT: 2.08
Area: 43922
Amount: 0.494849
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:24:49 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

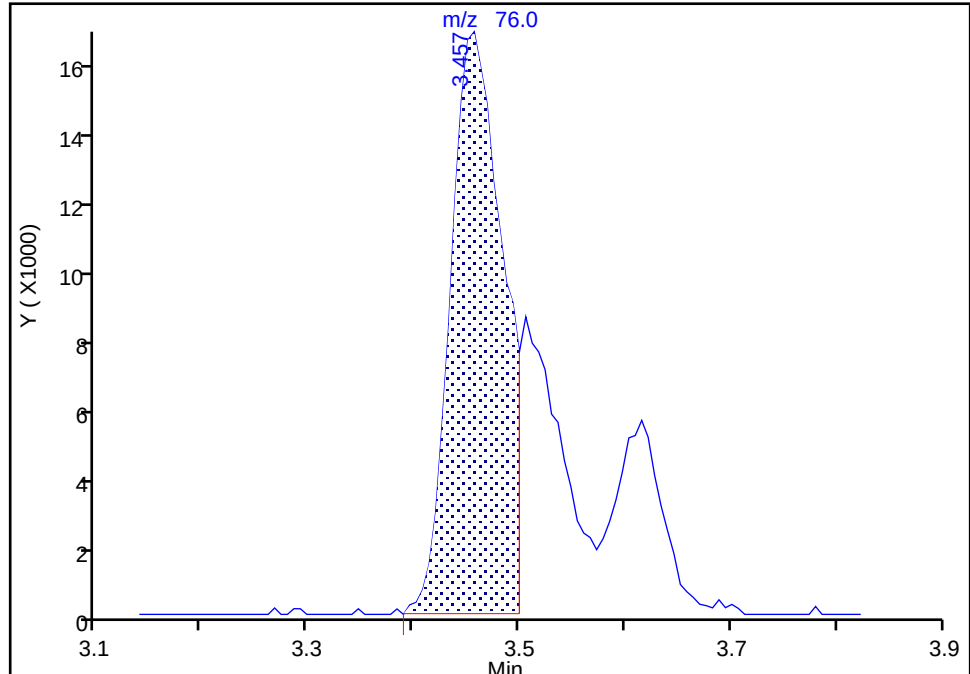
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Injection Date: 14-Jun-2024 22:51:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: MEC29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

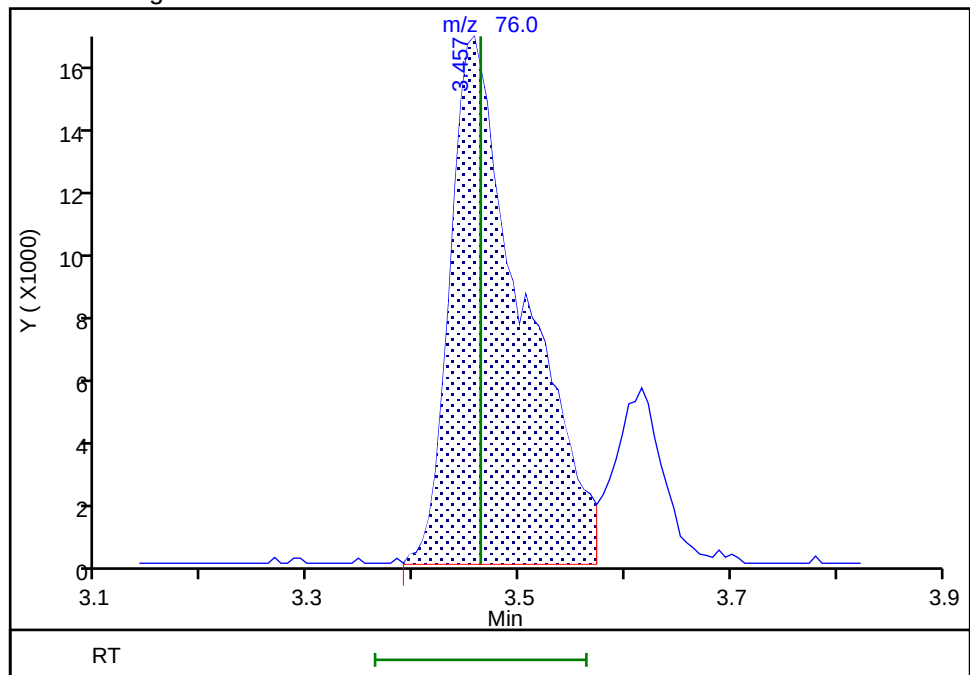
RT: 3.46
Area: 58695
Amount: 0.395356
Amount Units: ug/l

Processing Integration Results



RT: 3.46
Area: 80537
Amount: 0.482144
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:25:34 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

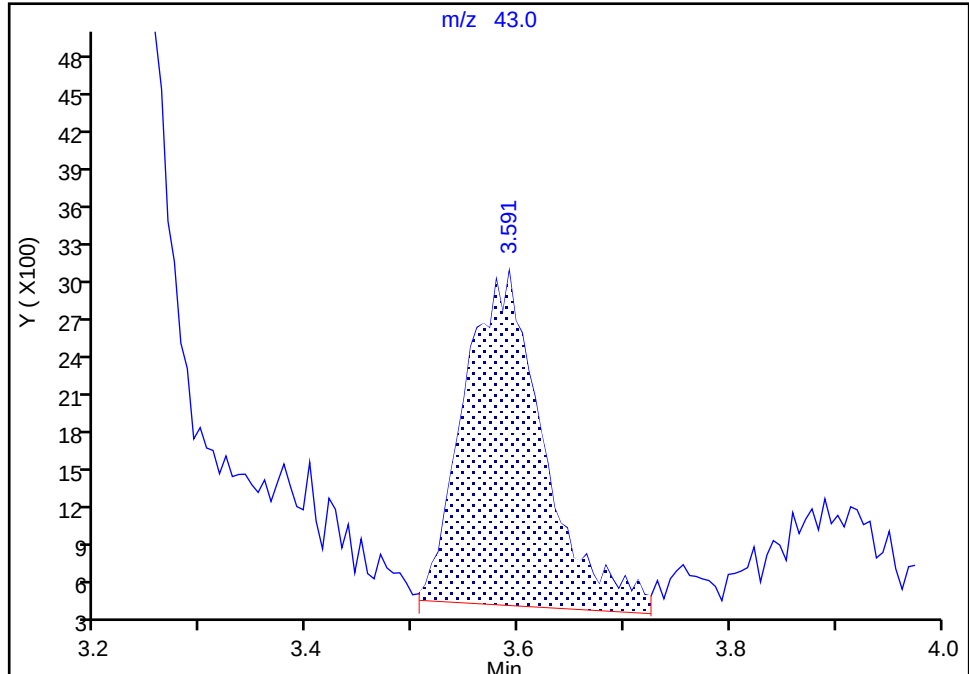
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Injection Date: 14-Jun-2024 22:51:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: MEC29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

26 Methyl acetate, CAS: 79-20-9

Signal: 1

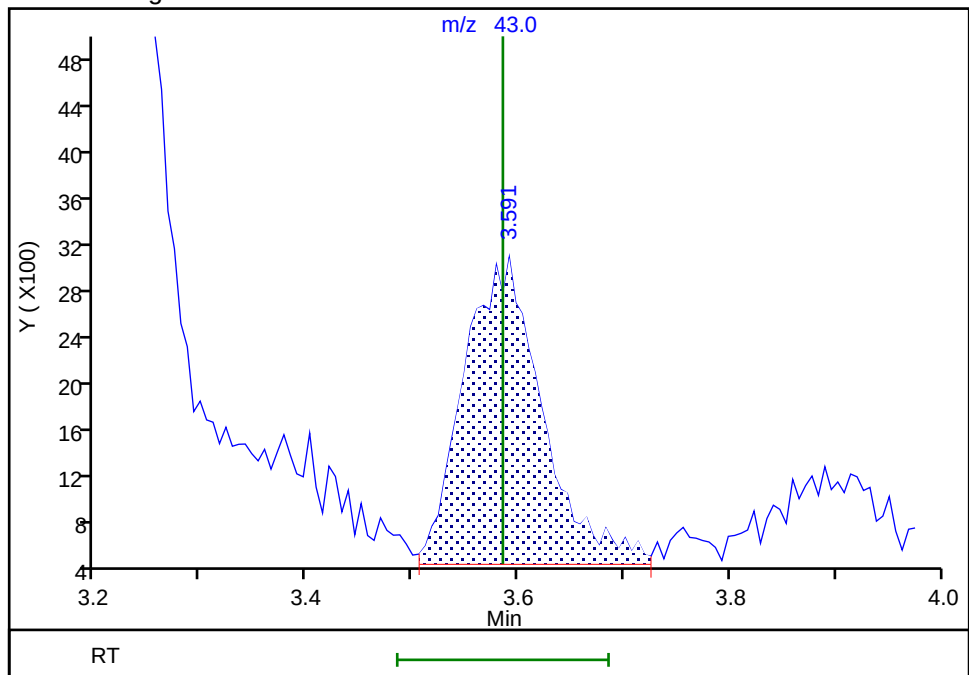
RT: 3.59
Area: 14030
Amount: 0.511807
Amount Units: ug/l

Processing Integration Results



RT: 3.59
Area: 13658
Amount: 0.509108
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:25:54 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

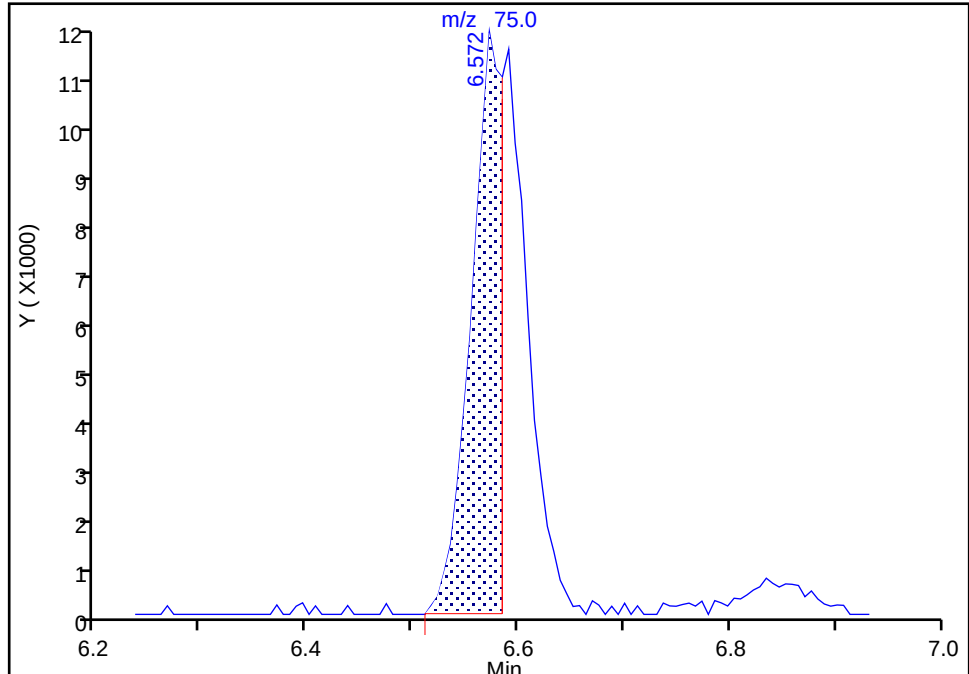
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Injection Date: 14-Jun-2024 22:51:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: MEC29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

57 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

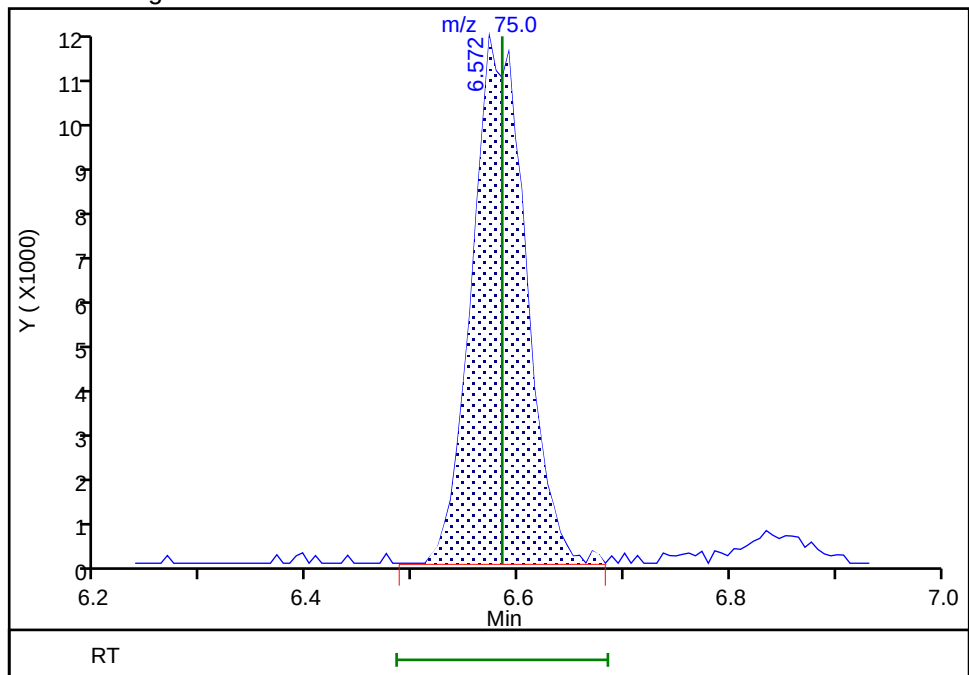
RT: 6.57
Area: 23893
Amount: 0.303808
Amount Units: ug/l

Processing Integration Results



RT: 6.57
Area: 40770
Amount: 0.488456
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:27:03 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

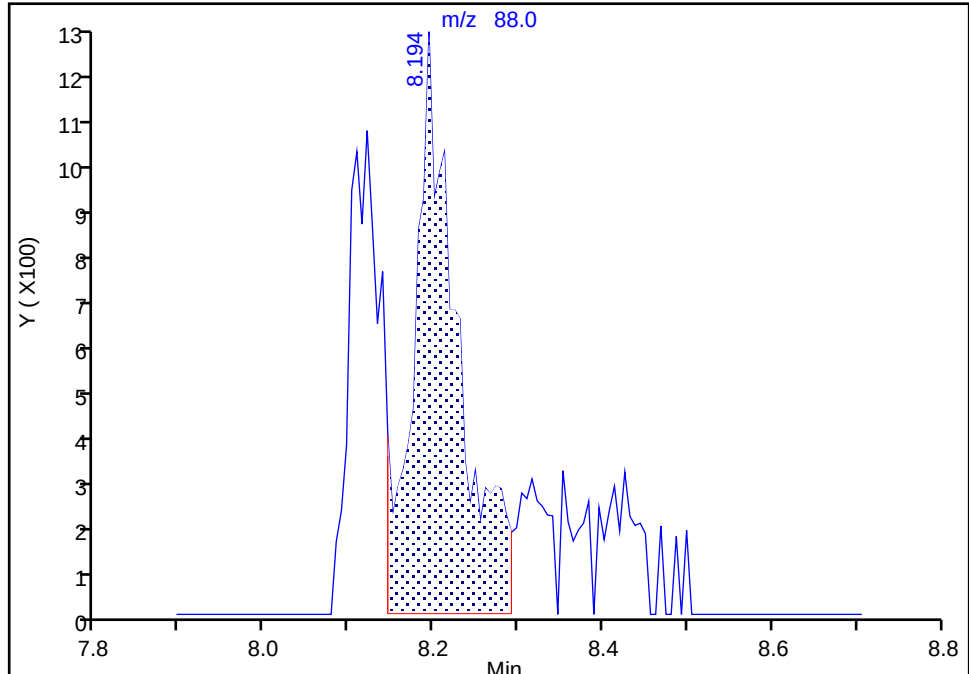
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Injection Date: 14-Jun-2024 22:51:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: MEC29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

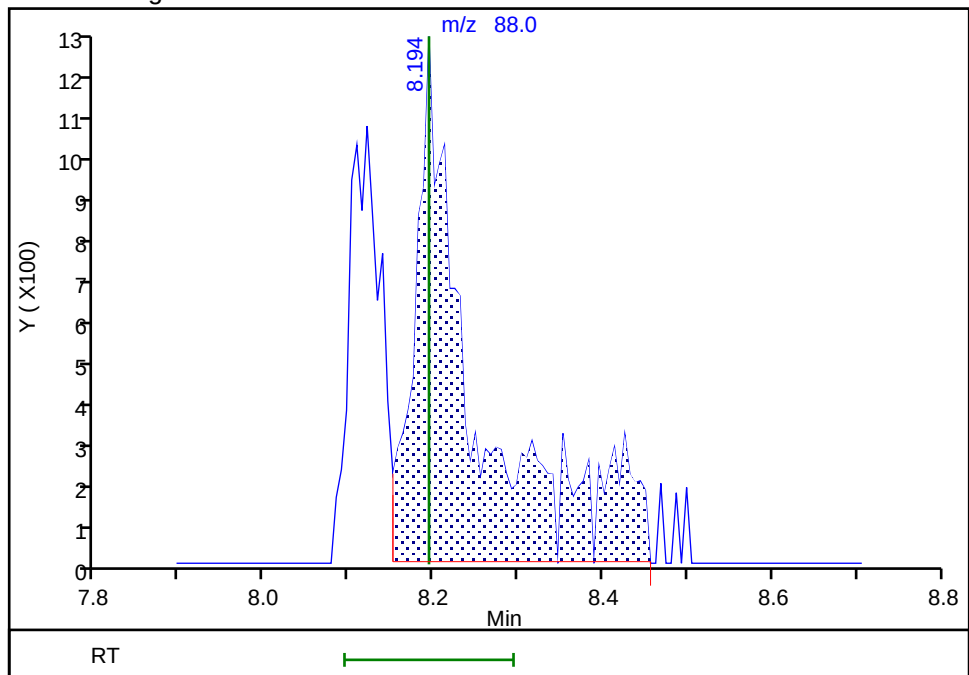
RT: 8.19
Area: 4584
Amount: 19.127091
Amount Units: ug/l

Processing Integration Results



RT: 8.19
Area: 6332
Amount: 26.861982
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:27:29 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X14.D
 Lims ID: IC std3 1
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 14-Jun-2024 23:14:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116724-015
 Misc. Info.: IC STD1 LG
 Operator ID: MEC29284 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 19:28:43 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1606

First Level Reviewer: UCB5

Date: 16-Jun-2024 13:34:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.799	0.000	99	70836	1.00	0.9587	
5 Chloromethane	50	1.988	1.982	0.006	99	80305	1.00	0.9619	
6 Vinyl chloride	62	2.085	2.085	0.000	98	78986	1.00	0.9614	
7 Butadiene	39	2.092	2.085	0.007	90	88324	1.00	1.01	
9 Bromomethane	94	2.402	2.396	0.006	90	55079	1.00	0.9531	
10 Chloroethane	64	2.451	2.445	0.006	100	45415	1.00	0.9652	
11 Dichlorofluoromethane	67	2.695	2.689	0.006	97	117409	1.00	0.9632	
13 Pentane	43	2.738	2.738	0.000	97	76739	1.00	0.9404	
12 Trichlorofluoromethane	101	2.744	2.744	0.000	97	92461	1.00	0.9673	M
14 Ethyl ether	59	2.921	2.921	0.000	91	42704	1.00	0.9891	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.018	3.018	0.000	91	66197	1.00	0.9411	
17 Acrolein	56	3.079	3.073	0.006	100	325233	50.1	50.3	
18 1,1-Dichloroethene	96	3.195	3.195	0.000	96	48730	1.00	0.9571	
20 Acetone	43	3.225	3.219	0.006	100	79646	10.0	9.57	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.244	3.244	0.000	89	50001	1.00	0.9547	
24 Isopropyl alcohol	45	3.378	3.366	0.012	42	30804	20.0	18.0	
22 Iodomethane	142	3.366	3.372	-0.006	97	102351	1.00	0.9656	
23 Ethyl bromide	108	3.390	3.396	-0.006	96	46078	1.00	0.99	
25 Carbon disulfide	76	3.457	3.463	-0.006	98	157757	1.00	0.9547	M
26 Methyl acetate	43	3.591	3.585	0.006	93	22365	1.00	0.9358	
29 3-Chloro-1-propene	41	3.622	3.616	0.006	92	82764	1.00	0.9787	
30 Methylene Chloride	84	3.786	3.786	0.000	91	59785	1.00	0.9857	
* 31 t-Butyl alcohol-d10 (IS)	65	3.792	3.792	0.000	80	167862	50.0	50.0	
32 2-Methyl-2-propanol	59	3.908	3.908	0.000	100	66064	20.0	20.4	
33 Acrylonitrile	53	4.097	4.091	0.006	99	30413	2.50	2.50	
35 trans-1,2-Dichloroethene	96	4.152	4.146	0.006	98	59615	1.00	0.9813	
34 Methyl tert-butyl ether	73	4.152	4.146	0.006	89	152192	1.00	0.9795	
36 Hexane	57	4.555	4.561	-0.007	92	73921	1.00	0.9368	
37 1,1-Dichloroethane	63	4.811	4.804	0.007	95	101800	1.00	0.9754	
39 Isopropyl ether	45	4.872	4.871	0.001	93	181962	1.00	0.9782	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.914	4.914	0.000	89	83112	1.00	0.9602	
41 Tert-butyl ethyl ether	59	5.408	5.414	-0.006	98	174560	1.00	0.9578	
42 2-Butanone (MEK)	43	5.621	5.615	0.006	100	155831	10.0	10.2	
43 cis-1,2-Dichloroethene	96	5.652	5.652	0.000	80	66881	1.00	0.9801	
44 2,2-Dichloropropane	77	5.676	5.670	0.006	87	83180	1.00	0.9615	
45 Propionitrile	54	5.725	5.719	0.006	98	81001	20.0	19.7	
47 Methacrylonitrile	67	5.932	5.926	0.006	91	154888	10.0	10.3	
49 Tetrahydrofuran	71	5.981	5.981	0.000	80	24293	5.00	5.09	
48 Chlorobromomethane	128	5.993	5.987	0.006	88	30909	1.00	0.9807	
50 Chloroform	83	6.146	6.146	0.000	93	108163	1.00	0.9783	
S 52 1,2-Dichloroethene, Total	100				0			1.96	
\$ 54 Dibromofluoromethane (Surr)	113	6.371	6.365	0.006	94	537659	10.0	9.98	
53 1,1,1-Trichloroethane	97	6.371	6.371	0.000	43	88597	1.00	0.9592	
55 Cyclohexane	56	6.463	6.463	0.000	89	93635	1.00	0.9518	
57 1,1-Dichloropropene	75	6.585	6.585	0.001	95	78774	1.00	0.9540	
56 Carbon tetrachloride	117	6.585	6.585	0.001	90	81258	1.00	0.9714	
58 Isobutyl alcohol	41	6.780	6.780	0.000	95	60786	50.0	52.2	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.822	6.822	0.000	99	111993	10.0	10.2	
60 Benzene	78	6.847	6.853	-0.006	94	242685	1.00	0.9779	
61 1,2-Dichloroethane	62	6.926	6.926	0.000	97	63473	1.00	1.00	
64 Tert-amyl methyl ether	73	7.060	7.060	0.000	99	165331	1.00	0.9761	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2225227	10.0	10.0	
66 n-Heptane	43	7.286	7.286	0.000	92	77827	1.00	0.9511	
67 n-Butanol	56	7.688	7.682	0.006	88	100653	87.5	94.1	
68 Trichloroethene	95	7.755	7.755	0.000	96	66219	1.00	0.9692	
69 Methylcyclohexane	83	8.066	8.066	0.000	89	103134	1.00	0.9418	
70 1,2-Dichloropropane	63	8.096	8.096	0.000	97	61513	1.00	0.9683	
71 2-ethoxy-2-methyl butane	87	8.121	8.127	-0.006	94	99574	1.00	0.9640	
74 1,4-Dioxane	88	8.206	8.194	0.012	31	11418	50.0	54.4	M
73 Methyl methacrylate	69	8.200	8.200	0.000	90	32756	1.00	1.03	
72 Dibromomethane	93	8.206	8.206	0.000	87	31762	1.00	0.9816	
76 Dichlorobromomethane	83	8.456	8.456	0.000	99	73456	1.00	0.9581	
77 2-Nitropropane	41	8.743	8.743	0.000	97	42567	5.00	4.99	
78 1-Bromo-2-chloroethane	63	8.852	8.846	0.006	98	61436	1.00	0.9889	
80 cis-1,3-Dichloropropene	75	9.023	9.029	-0.006	97	95985	1.00	0.9672	
82 4-Methyl-2-pentanone (MIBK)	43	9.230	9.230	0.000	96	390263	10.0	10.0	
\$ 83 Toluene-d8 (Surr)	98	9.358	9.358	0.000	93	2220438	10.0	9.91	
84 Toluene	92	9.438	9.444	-0.006	98	162487	1.00	0.9783	M
85 trans-1,3-Dichloropropene	75	9.730	9.730	0.000	92	80904	1.00	0.9559	
86 Ethyl methacrylate	69	9.810	9.803	0.007	89	69428	1.00	0.9577	
87 1,1,2-Trichloroethane	97	9.944	9.944	0.000	89	47044	1.00	0.9789	
88 Tetrachloroethene	166	10.023	10.023	0.000	97	81502	1.00	0.9881	
S 107 1,3-Dichloropropene, Total	100				0			1.92	
89 1,3-Dichloropropane	76	10.114	10.114	0.000	90	78521	1.00	0.9832	
106 2-Hexanone	43	10.181	10.181	0.000	96	291226	10.0	10.3	
108 Chlorodibromomethane	129	10.334	10.334	0.000	88	59418	1.00	0.9625	
110 Ethylene Dibromide	107	10.444	10.444	0.000	99	45837	1.00	0.9619	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	1748651	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	96	92914	1.00	0.9545	
113 Chlorobenzene	112	10.925	10.925	0.000	97	194217	1.00	0.9783	
114 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	96	67152	1.00	0.9596	
115 Ethylbenzene	91	11.023	11.023	0.000	98	314251	1.00	0.9636	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.145	11.145	0.000	97	258327	2.00	1.93	
S 117 Xylenes, Total	106				0			2.91	
118 o-Xylene	106	11.486	11.486	0.000	95	128688	1.00	0.9774	
119 Styrene	104	11.498	11.498	0.000	95	208946	1.00	0.9578	
120 Bromoform	173	11.657	11.657	0.000	98	37699	1.00	0.9474	
121 Isopropylbenzene	105	11.797	11.797	0.000	95	298739	1.00	0.9560	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.943	-0.006	94	839803	10.0	9.97	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	75	55271	1.00	0.9337	
125 Bromobenzene	156	12.053	12.059	-0.006	90	86113	1.00	0.9654	
127 trans-1,4-Dichloro-2-butene	53	12.084	12.083	0.001	92	134027	10.0	9.64	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	78	15439	1.00	0.9392	
129 N-Propylbenzene	91	12.132	12.138	-0.006	98	368283	1.00	0.9603	
130 2-Chlorotoluene	126	12.205	12.211	-0.006	98	82375	1.00	0.9579	
131 1,3,5-Trimethylbenzene	105	12.279	12.279	0.000	94	273517	1.00	0.9549	
132 4-Chlorotoluene	126	12.303	12.303	0.000	97	86680	1.00	0.9669	
133 tert-Butylbenzene	134	12.522	12.522	0.000	92	65664	1.00	0.9533	
134 Pentachloroethane	167	12.553	12.553	0.000	80	50310	1.00	0.9744	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	97	281050	1.00	0.9503	
136 sec-Butylbenzene	105	12.693	12.693	0.000	93	354613	1.00	0.9595	
137 1,3-Dichlorobenzene	146	12.785	12.785	0.000	98	167242	1.00	0.9490	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	312495	1.00	0.9408	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.846	0.000	93	1014032	10.0	10.0	M
140 1,4-Dichlorobenzene	146	12.864	12.864	0.000	96	169030	1.00	0.9375	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	98	130133	1.00	0.9532	
142 Benzyl chloride	126	12.943	12.943	0.000	98	25252	1.00	0.9309	
145 p-Diethylbenzene	119	13.077	13.083	-0.006	96	195957	1.00	0.9467	
143 n-Butylbenzene	92	13.102	13.102	0.000	97	150720	1.00	0.9450	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	152787	1.00	0.9495	
148 1,2-Dibromo-3-Chloropropane	155	13.681	13.681	0.000	91	8712	1.00	0.8889	
149 1,3,5-Trichlorobenzene	180	13.803	13.803	0.000	98	127654	1.00	0.9337	
150 1,2,4-Trichlorobenzene	180	14.236	14.235	0.001	94	98721	1.00	0.8909	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	96	54266	1.00	0.9485	
152 Naphthalene	128	14.418	14.418	0.000	96	153318	1.00	0.8742	
153 1,2,3-Trichlorobenzene	180	14.565	14.565	0.000	96	76723	1.00	0.8879	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	60090	1.00	0.7737	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00133

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00140

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00214

Amount Added: 2.00

Units: uL

MSV_HP25_ISSS_00090

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 17-Jun-2024 19:28:44

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X14.D

Injection Date: 14-Jun-2024 23:14:30

Instrument ID: 10193

Operator ID: MEC29284

Lims ID: IC std3 1

Worklist Smp#: 15

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

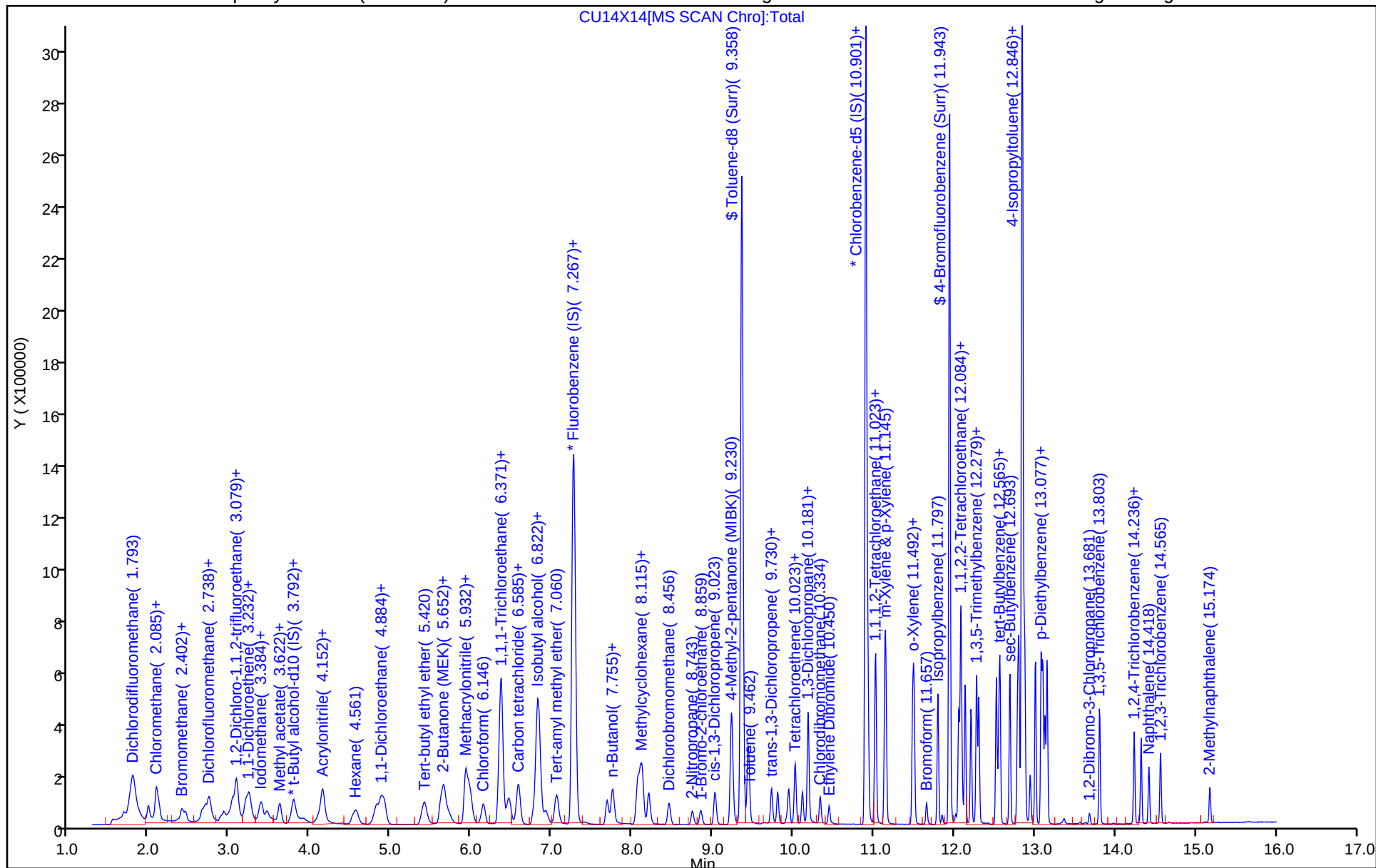
ALS Bottle#: 14

Method: MSV_10193_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

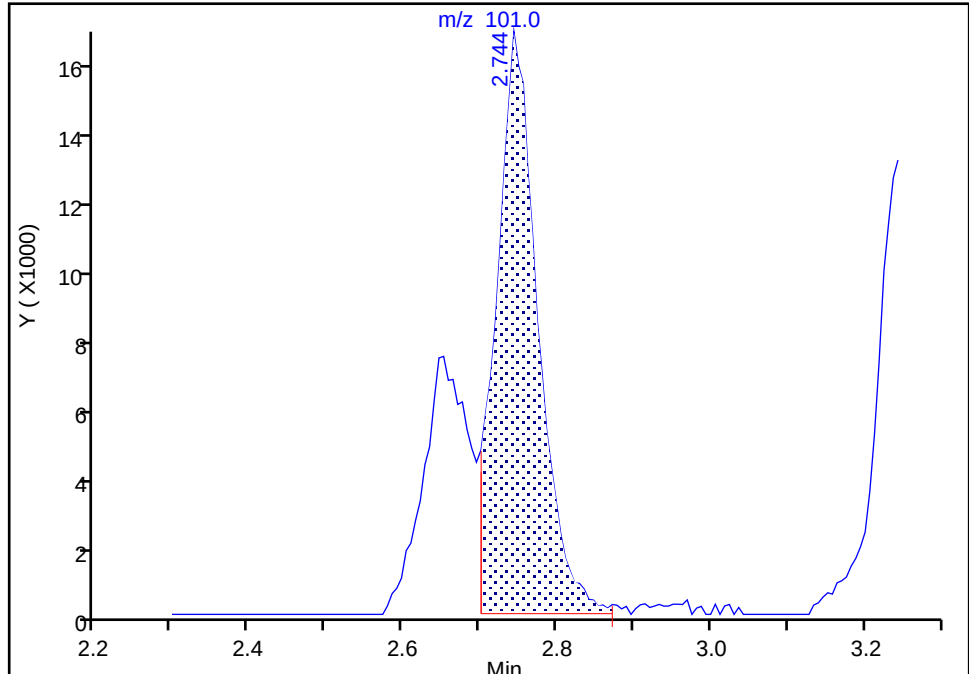
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Injection Date: 14-Jun-2024 23:14:30 Instrument ID: 10193
Lims ID: IC std3 1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

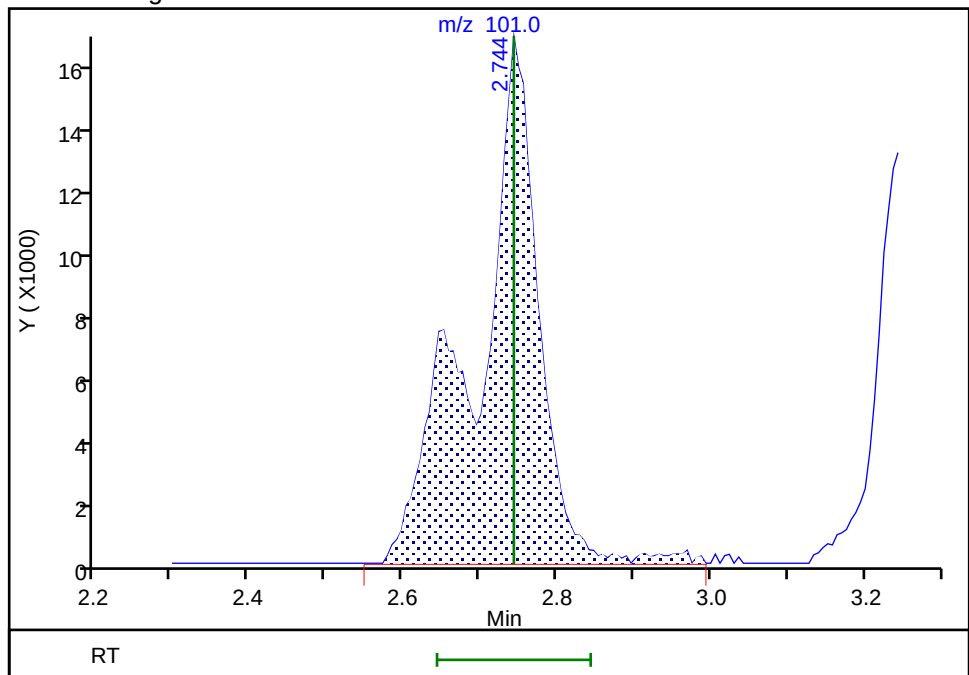
RT: 2.74
Area: 61538
Amount: 0.712073
Amount Units: ug/l

Processing Integration Results



RT: 2.74
Area: 92461
Amount: 0.967253
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:29:01 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

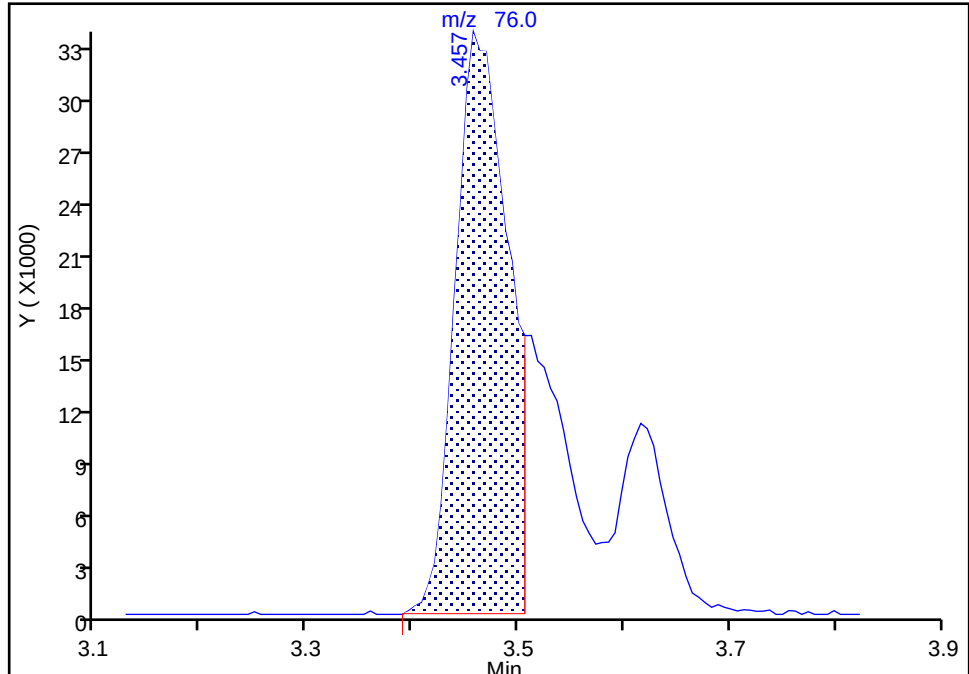
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Injection Date: 14-Jun-2024 23:14:30 Instrument ID: 10193
Lims ID: IC std3 1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

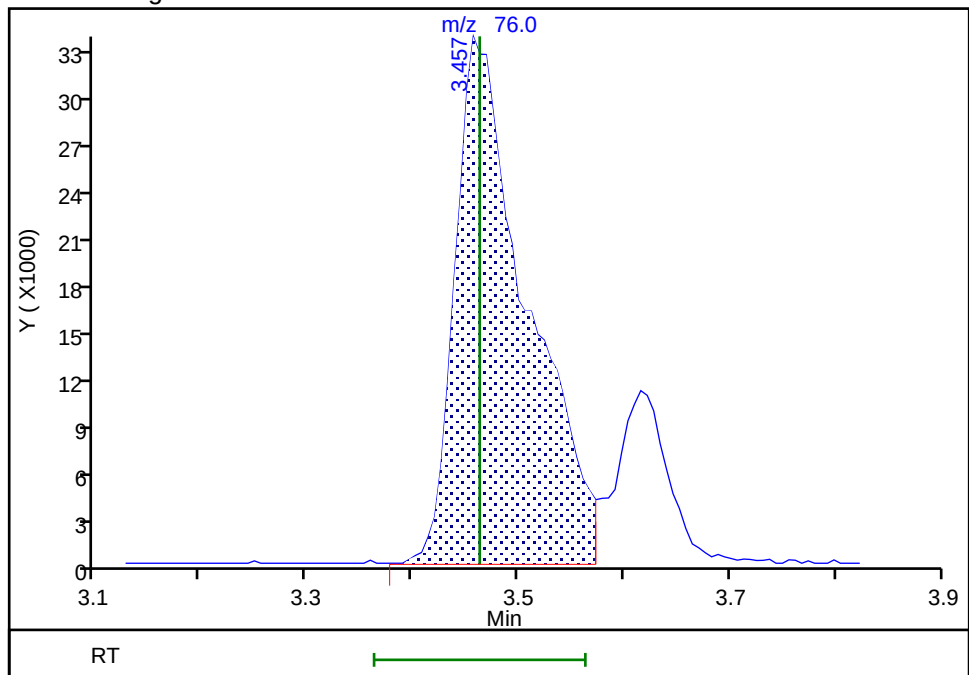
RT: 3.46
Area: 117770
Amount: 0.769520
Amount Units: ug/l

Processing Integration Results



RT: 3.46
Area: 157757
Amount: 0.954664
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:29:40 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

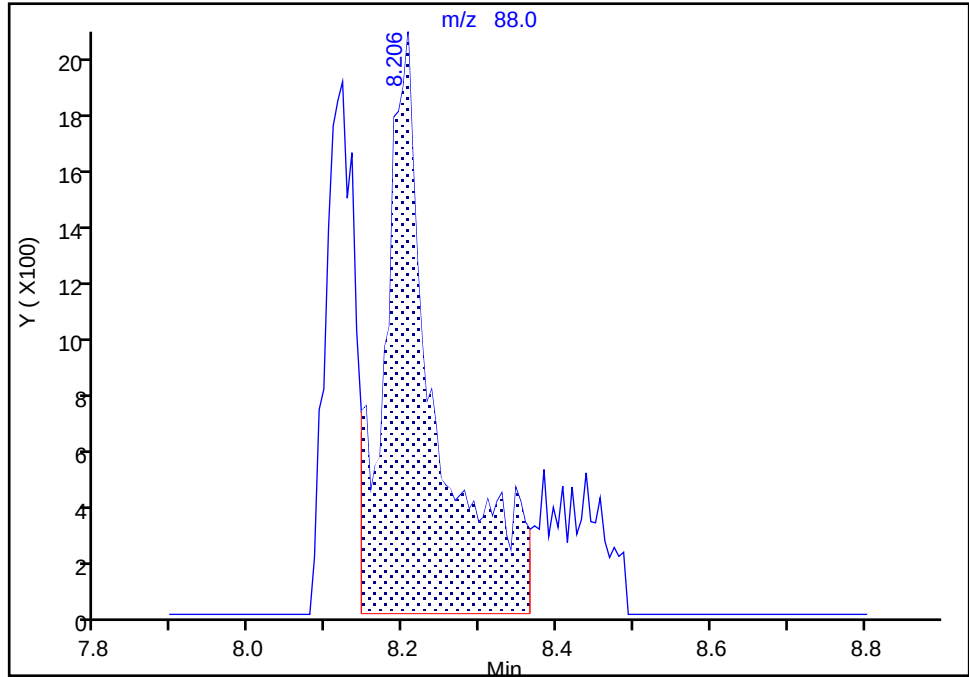
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Injection Date: 14-Jun-2024 23:14:30 Instrument ID: 10193
Lims ID: IC std3 1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

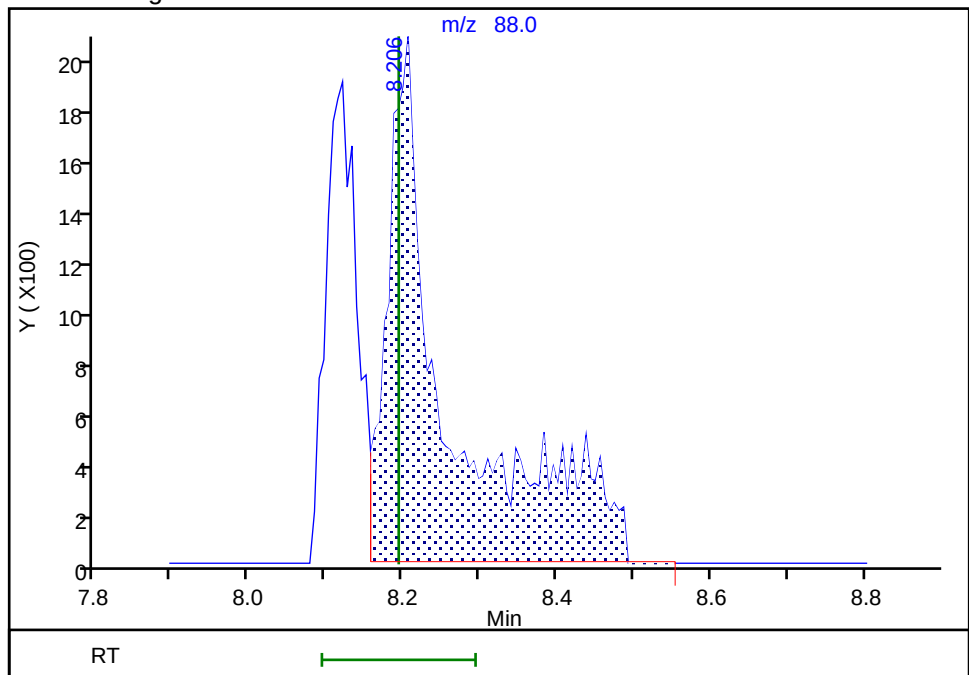
RT: 8.21
Area: 9712
Amount: 43.667535
Amount Units: ug/l

Processing Integration Results



RT: 8.21
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Amount: 54.370884
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:31:55 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

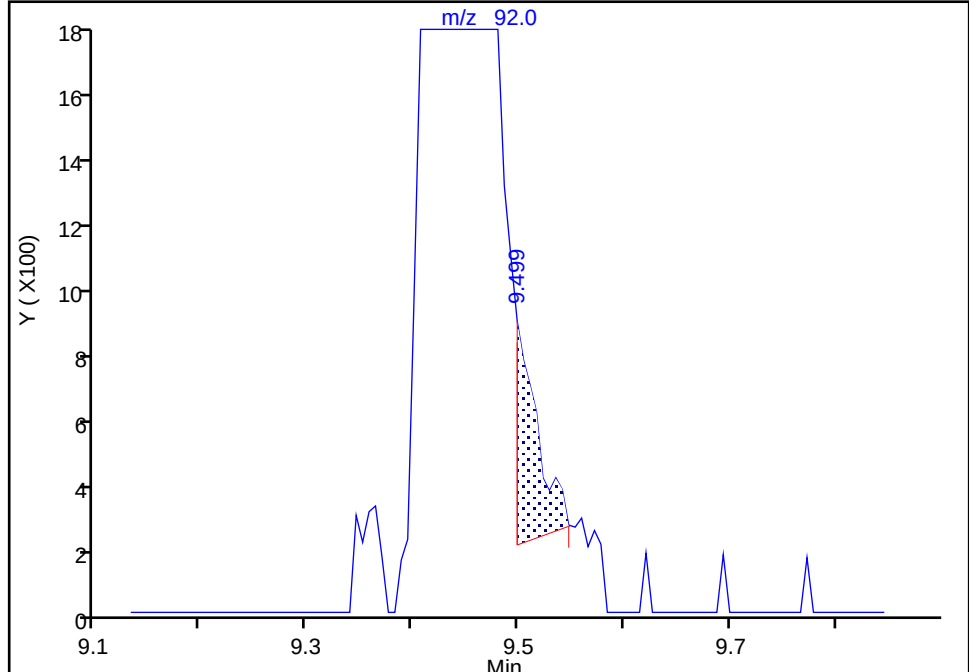
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Injection Date: 14-Jun-2024 23:14:30 Instrument ID: 10193
Lims ID: IC std3 1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

84 Toluene, CAS: 108-88-3

Signal: 1

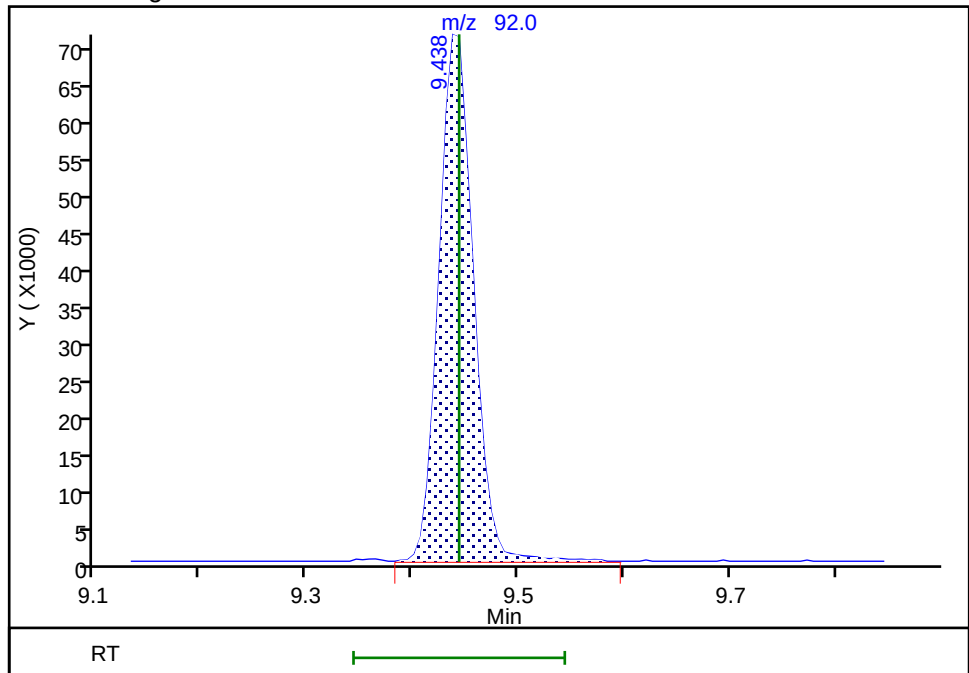
RT: 9.50
Area: 959
Amount: 0.006705
Amount Units: ug/l

Processing Integration Results



RT: 9.44
Area: 162487
Amount: 0.978276
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:32:23 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

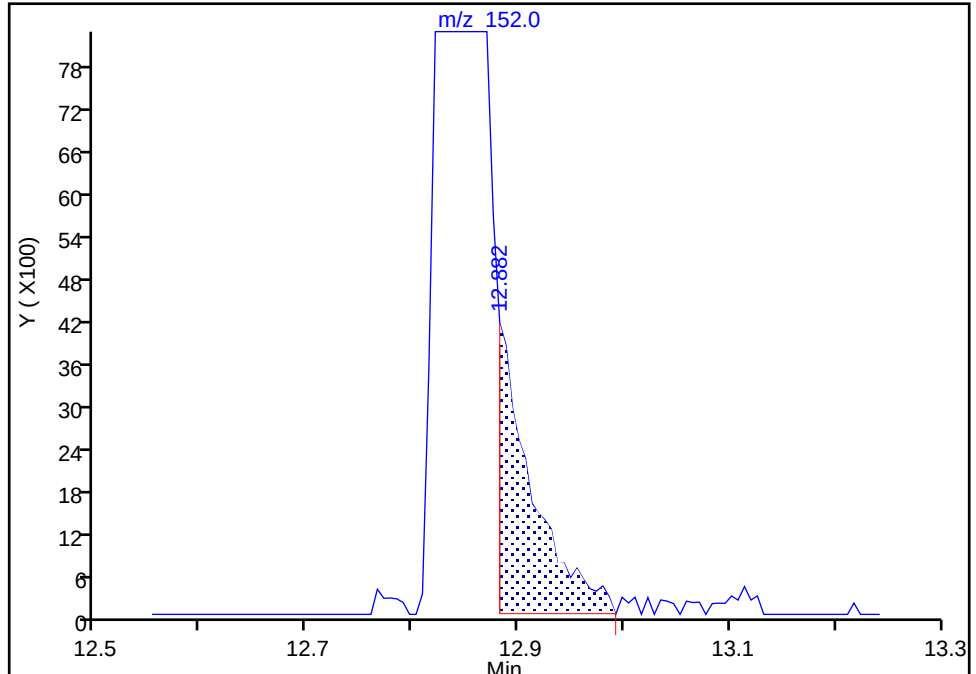
Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date: 14-Jun-2024 23:14:30 Instrument ID: 10193
Lims ID: IC std3 1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1
Signal: 1

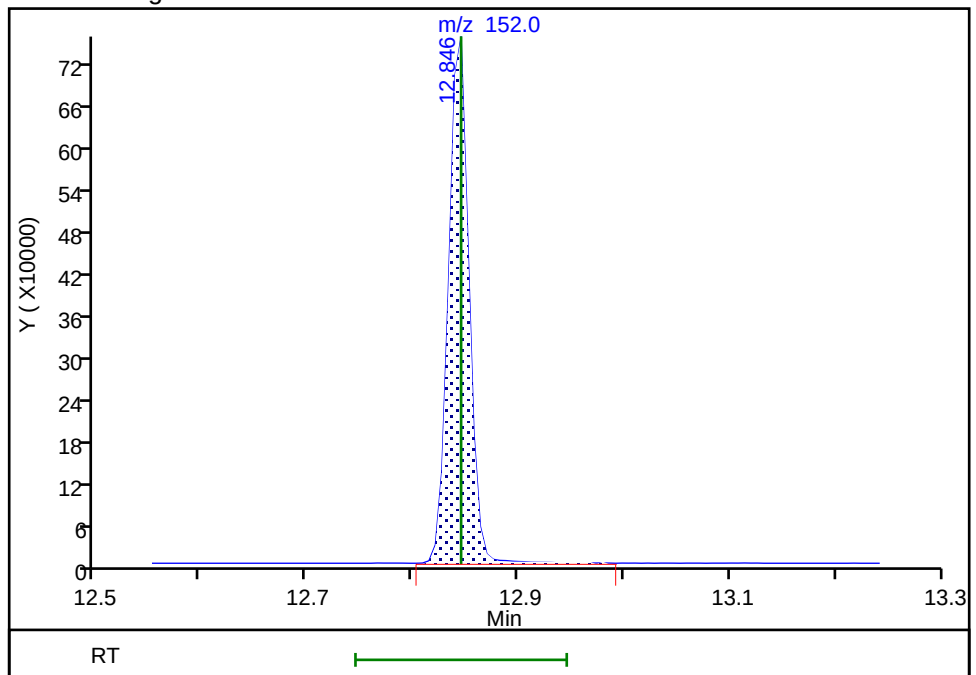
RT: 12.88
Area: 9367
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 12.85
Area: 1014032
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:33:43 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X15.D
 Lims ID: IC std4 2
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 14-Jun-2024 23:36:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116724-016
 Misc. Info.: IC STD2 LG
 Operator ID: MEC29284 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 19:28:48 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1606

First Level Reviewer: UCB5

Date: 16-Jun-2024 13:39:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.799	0.000	99	144773	2.00	1.97	
5 Chloromethane	50	1.988	1.982	0.006	99	171285	2.00	2.06	
6 Vinyl chloride	62	2.085	2.085	0.000	98	168879	2.00	2.06	
7 Butadiene	39	2.085	2.085	0.000	91	176166	2.00	2.01	
9 Bromomethane	94	2.402	2.396	0.006	89	116580	2.00	2.02	M
10 Chloroethane	64	2.445	2.445	0.000	100	95383	2.00	2.03	
11 Dichlorofluoromethane	67	2.689	2.689	0.000	97	250225	2.00	2.06	
13 Pentane	43	2.738	2.738	0.000	97	157282	2.00	1.93	
12 Trichlorofluoromethane	101	2.744	2.744	0.000	98	194248	2.00	2.04	M
14 Ethyl ether	59	2.927	2.921	0.006	89	85154	2.00	1.98	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.018	3.018	0.000	90	139224	2.00	1.99	
17 Acrolein	56	3.079	3.073	0.006	99	660165	100.2	104.3	
18 1,1-Dichloroethene	96	3.201	3.195	0.006	97	101463	2.00	2.00	
20 Acetone	43	3.225	3.219	0.006	100	158143	20.0	19.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.244	3.244	0.000	89	104154	2.00	2.00	
24 Isopropyl alcohol	45	3.378	3.366	0.012	42	70393	40.0	42.0	
22 Iodomethane	142	3.372	3.372	0.000	97	213794	2.00	2.02	
23 Ethyl bromide	108	3.390	3.396	-0.006	97	91587	2.00	1.98	
25 Carbon disulfide	76	3.463	3.463	0.000	99	335862	2.00	2.04	M
26 Methyl acetate	43	3.591	3.585	0.006	52	47717	2.00	2.04	
29 3-Chloro-1-propene	41	3.622	3.616	0.006	91	170737	2.00	2.03	
30 Methylene Chloride	84	3.780	3.786	-0.006	92	115124	2.00	1.90	
* 31 t-Butyl alcohol-d10 (IS)	65	3.799	3.792	0.007	96	164311	50.0	50.0	
32 2-Methyl-2-propanol	59	3.914	3.908	0.006	99	135456	40.0	42.6	
33 Acrylonitrile	53	4.097	4.091	0.006	99	62467	5.00	5.25	
35 trans-1,2-Dichloroethene	96	4.152	4.146	0.006	99	122631	2.00	2.03	
34 Methyl tert-butyl ether	73	4.146	4.146	0.000	90	303566	2.00	1.96	
36 Hexane	57	4.567	4.561	0.006	91	154924	2.00	1.97	
37 1,1-Dichloroethane	63	4.804	4.804	0.000	95	208917	2.00	2.01	
39 Isopropyl ether	45	4.871	4.871	0.000	94	366516	2.00	1.98	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.914	4.914	0.000	89	173359	2.00	2.01	
41 Tert-butyl ethyl ether	59	5.414	5.414	0.000	97	353608	2.00	1.95	
42 2-Butanone (MEK)	43	5.621	5.615	0.006	99	317542	20.0	21.2	
43 cis-1,2-Dichloroethene	96	5.652	5.652	0.000	80	136749	2.00	2.01	
44 2,2-Dichloropropane	77	5.664	5.670	-0.006	86	174661	2.00	2.03	
45 Propionitrile	54	5.719	5.719	0.000	99	174466	40.0	43.2	
47 Methacrylonitrile	67	5.926	5.926	0.000	91	311440	20.0	21.1	
49 Tetrahydrofuran	71	5.993	5.981	0.012	91	47576	10.0	10.2	
48 Chlorobromomethane	128	5.987	5.987	0.000	91	62213	2.00	1.98	
50 Chloroform	83	6.152	6.146	0.006	93	214097	2.00	1.94	
S 52 1,2-Dichloroethene, Total	100				0			4.04	
\$ 54 Dibromofluoromethane (Surr)	113	6.365	6.365	0.000	94	535995	10.0	9.98	
53 1,1,1-Trichloroethane	97	6.371	6.371	0.000	52	185171	2.00	2.01	
55 Cyclohexane	56	6.463	6.463	0.000	89	192345	2.00	1.96	
57 1,1-Dichloropropene	75	6.585	6.585	0.001	96	166607	2.00	2.02	
56 Carbon tetrachloride	117	6.585	6.585	0.001	96	166872	2.00	2.00	
58 Isobutyl alcohol	41	6.774	6.780	-0.006	93	121374	100.0	106.5	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.828	6.822	0.006	99	112037	10.0	10.2	
60 Benzene	78	6.847	6.853	-0.006	95	497277	2.00	2.01	
61 1,2-Dichloroethane	62	6.926	6.926	0.000	97	123070	2.00	1.95	
64 Tert-amyl methyl ether	73	7.060	7.060	0.000	98	330886	2.00	1.96	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2217927	10.0	10.0	
66 n-Heptane	43	7.286	7.286	0.000	92	162254	2.00	1.99	
67 n-Butanol	56	7.688	7.682	0.006	87	189838	175.0	181.2	
68 Trichloroethene	95	7.749	7.755	-0.006	96	136090	2.00	2.00	
69 Methylcyclohexane	83	8.066	8.066	0.000	89	212655	2.00	1.95	
70 1,2-Dichloropropane	63	8.096	8.096	0.000	97	125217	2.00	1.98	
71 2-ethoxy-2-methyl butane	87	8.121	8.127	-0.006	94	202214	2.00	1.96	
74 1,4-Dioxane	88	8.200	8.194	0.006	33	21664	100.0	105.4	M
73 Methyl methacrylate	69	8.200	8.200	0.000	91	62707	2.00	2.02	
72 Dibromomethane	93	8.206	8.206	0.000	92	62717	2.00	1.94	
76 Dichlorobromomethane	83	8.456	8.456	0.000	99	151383	2.00	1.98	
77 2-Nitropropane	41	8.749	8.743	0.006	98	87676	10.0	10.5	
78 1-Bromo-2-chloroethane	63	8.852	8.846	0.006	98	123337	2.00	1.99	
80 cis-1,3-Dichloropropene	75	9.029	9.029	0.000	97	196295	2.00	1.98	
82 4-Methyl-2-pentanone (MIBK)	43	9.230	9.230	0.000	96	796236	20.0	20.8	
\$ 83 Toluene-d8 (Surr)	98	9.358	9.358	0.000	93	2236758	10.0	10.0	
84 Toluene	92	9.438	9.444	-0.006	98	334619	2.00	2.02	
85 trans-1,3-Dichloropropene	75	9.730	9.730	0.000	91	163679	2.00	1.94	
86 Ethyl methacrylate	69	9.803	9.803	0.000	89	141167	2.00	1.96	
87 1,1,2-Trichloroethane	97	9.944	9.944	0.000	90	93498	2.00	1.95	
88 Tetrachloroethene	166	10.023	10.023	0.000	97	168026	2.00	2.05	
S 107 1,3-Dichloropropene, Total	100				0			3.93	
89 1,3-Dichloropropane	76	10.114	10.114	0.000	89	155118	2.00	1.95	
106 2-Hexanone	43	10.181	10.181	0.000	95	582286	20.0	21.0	
108 Chlorodibromomethane	129	10.334	10.334	0.000	90	119035	2.00	1.94	
110 Ethylene Dibromide	107	10.444	10.444	0.000	99	91926	2.00	1.94	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	1740765	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	96	190414	2.00	1.96	
113 Chlorobenzene	112	10.925	10.925	0.000	98	402700	2.00	2.04	
114 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	96	138133	2.00	1.98	
115 Ethylbenzene	91	11.023	11.023	0.000	98	668127	2.00	2.06	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.145	11.145	0.000	97	547925	4.00	4.12	
S 117 Xylenes, Total	106				0			6.13	
118 o-Xylene	106	11.486	11.486	0.000	95	263830	2.00	2.01	
119 Styrene	104	11.498	11.498	0.000	94	445685	2.00	2.05	
120 Bromoform	173	11.657	11.657	0.000	98	75560	2.00	1.91	
121 Isopropylbenzene	105	11.797	11.797	0.000	95	638140	2.00	2.05	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.943	-0.006	94	835919	10.0	9.97	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	74	115336	2.00	1.97	
125 Bromobenzene	156	12.053	12.059	-0.006	89	181597	2.00	2.06	
127 trans-1,4-Dichloro-2-butene	53	12.083	12.083	0.000	91	268439	20.0	19.5	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	77	31832	2.00	1.96	
129 N-Propylbenzene	91	12.132	12.138	-0.006	98	799380	2.00	2.11	
130 2-Chlorotoluene	126	12.205	12.211	-0.006	98	179328	2.00	2.11	
131 1,3,5-Trimethylbenzene	105	12.279	12.279	0.000	94	585230	2.00	2.07	
132 4-Chlorotoluene	126	12.303	12.303	0.000	96	190563	2.00	2.15	
133 tert-Butylbenzene	134	12.522	12.522	0.000	92	142756	2.00	2.10	
134 Pentachloroethane	167	12.553	12.553	0.000	90	101387	2.00	1.99	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	96	605865	2.00	2.07	
136 sec-Butylbenzene	105	12.693	12.693	0.000	93	758593	2.00	2.08	
137 1,3-Dichlorobenzene	146	12.785	12.785	0.000	98	371643	2.00	2.13	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	690140	2.00	2.10	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.846	0.000	93	1002844	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.864	12.864	0.000	96	384186	2.00	2.15	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	98	279095	2.00	2.07	
142 Benzyl chloride	126	12.943	12.943	0.000	98	51961	2.00	1.94	
145 p-Diethylbenzene	119	13.077	13.083	-0.006	96	434479	2.00	2.12	
143 n-Butylbenzene	92	13.102	13.102	0.000	97	335145	2.00	2.12	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	334153	2.00	2.10	
148 1,2-Dibromo-3-Chloropropane	155	13.681	13.681	0.000	91	18306	2.00	1.89	
149 1,3,5-Trichlorobenzene	180	13.809	13.803	0.006	98	297617	2.00	2.20	
150 1,2,4-Trichlorobenzene	180	14.236	14.235	0.001	94	245810	2.00	2.24	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	96	123230	2.00	2.18	
152 Naphthalene	128	14.418	14.418	0.000	96	359265	2.00	2.07	
153 1,2,3-Trichlorobenzene	180	14.565	14.565	0.000	96	187998	2.00	2.20	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	160681	2.00	2.09	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00133

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00140

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00214

Amount Added: 2.00

Units: uL

MSV_HP25_ISSS_00090

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 17-Jun-2024 19:28:49

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X15.D

Injection Date: 14-Jun-2024 23:36:30

Instrument ID: 10193

Operator ID: MEC29284

Lims ID: IC std4 2

Worklist Smp#: 16

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

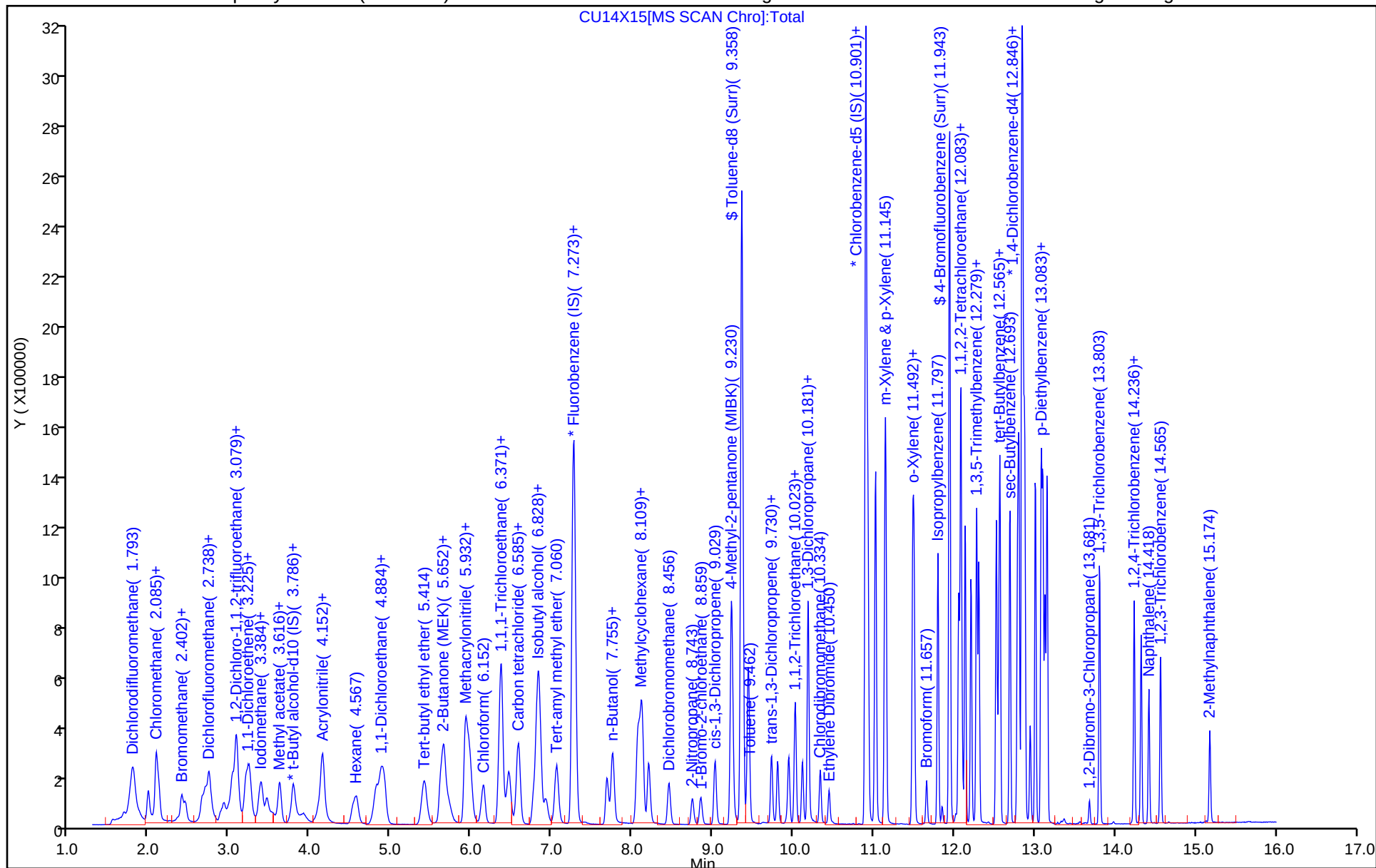
ALS Bottle#: 15

Method: MSV_10193_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

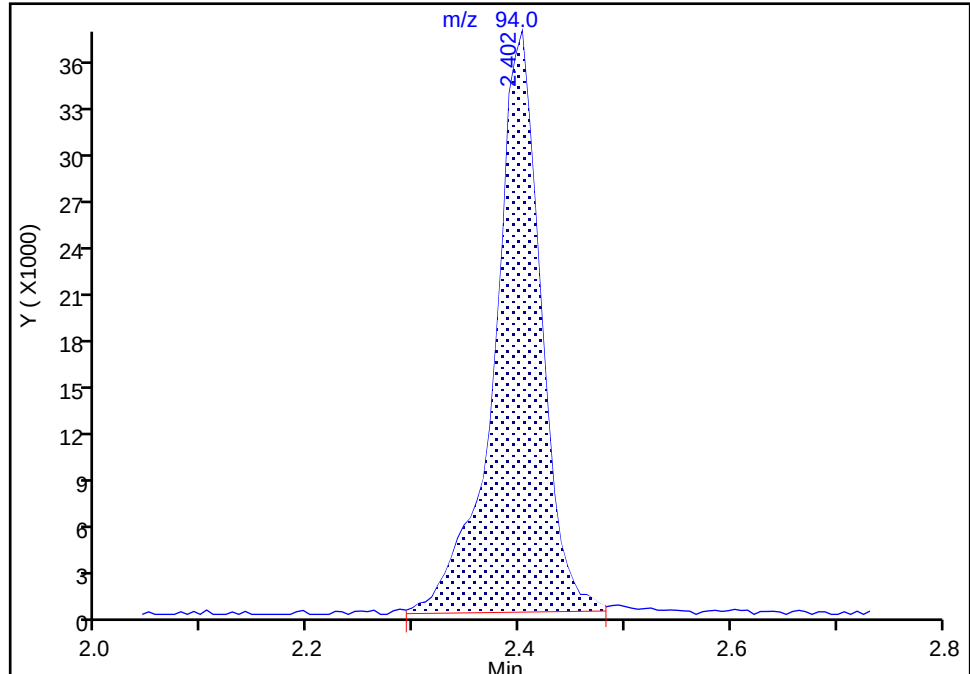
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Lims ID: IC std4 2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

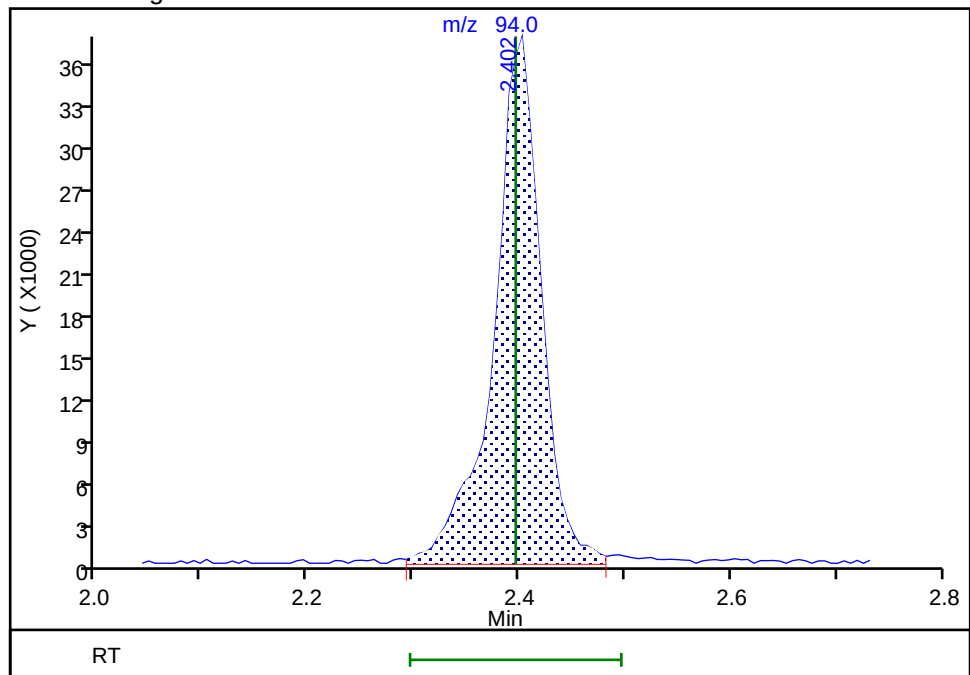
RT: 2.40
Area: 114818
Amount: 1.997776
Amount Units: ug/l

Processing Integration Results



RT: 2.40
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Amount: 2.024001
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:34:45 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

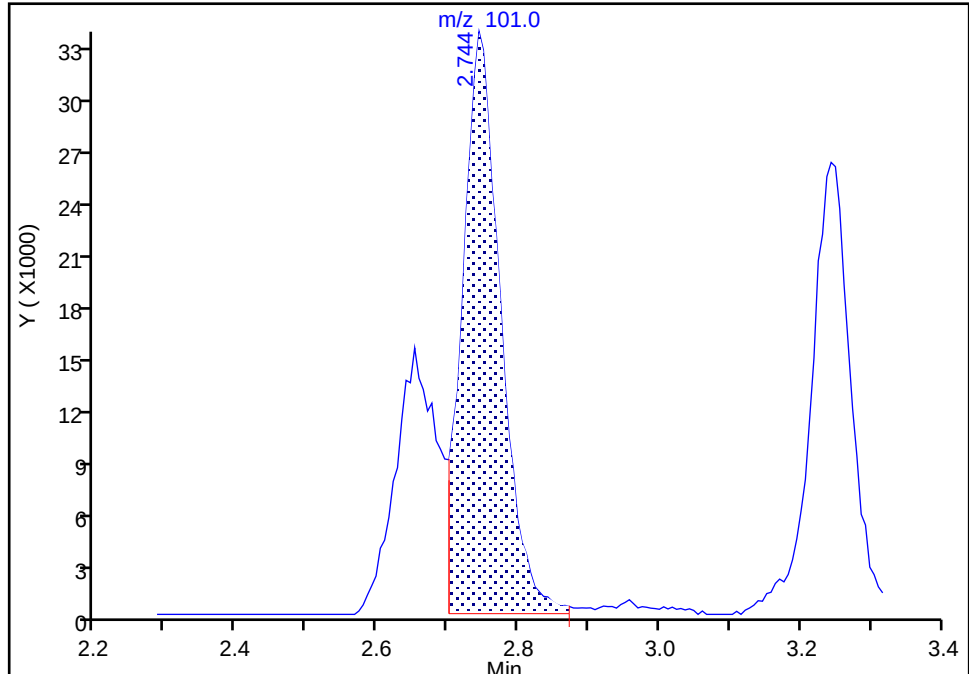
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Injection Date: 14-Jun-2024 23:36:30 Instrument ID: 10193
Lims ID: IC std4 2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

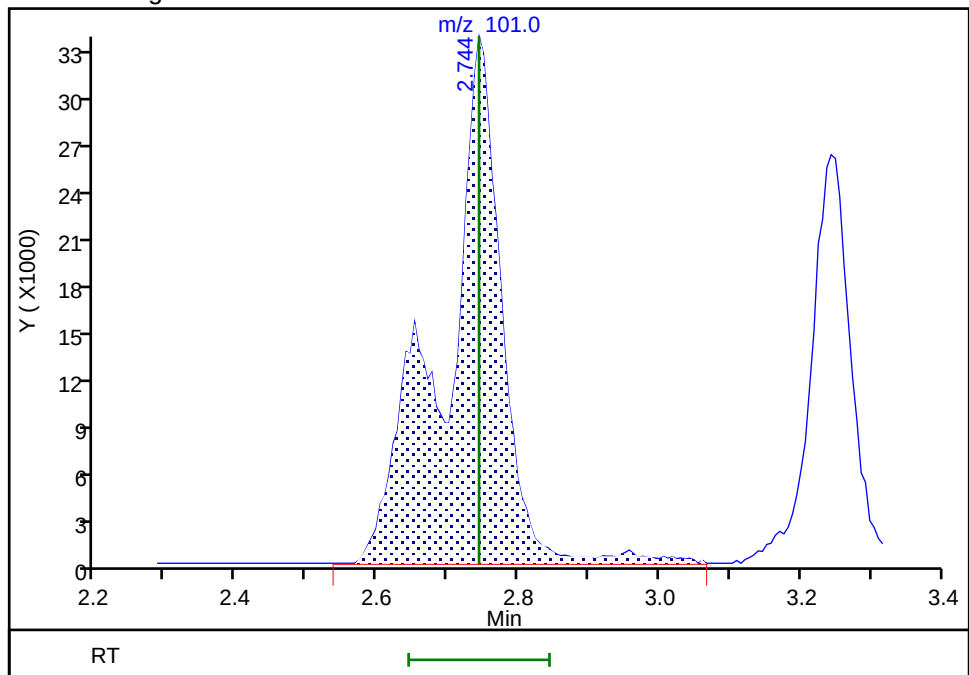
RT: 2.74
Area: 127927
Amount: 1.412926
Amount Units: ug/l

Processing Integration Results



RT: 2.74
Area: 194248
Amount: 2.038756
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:35:13 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

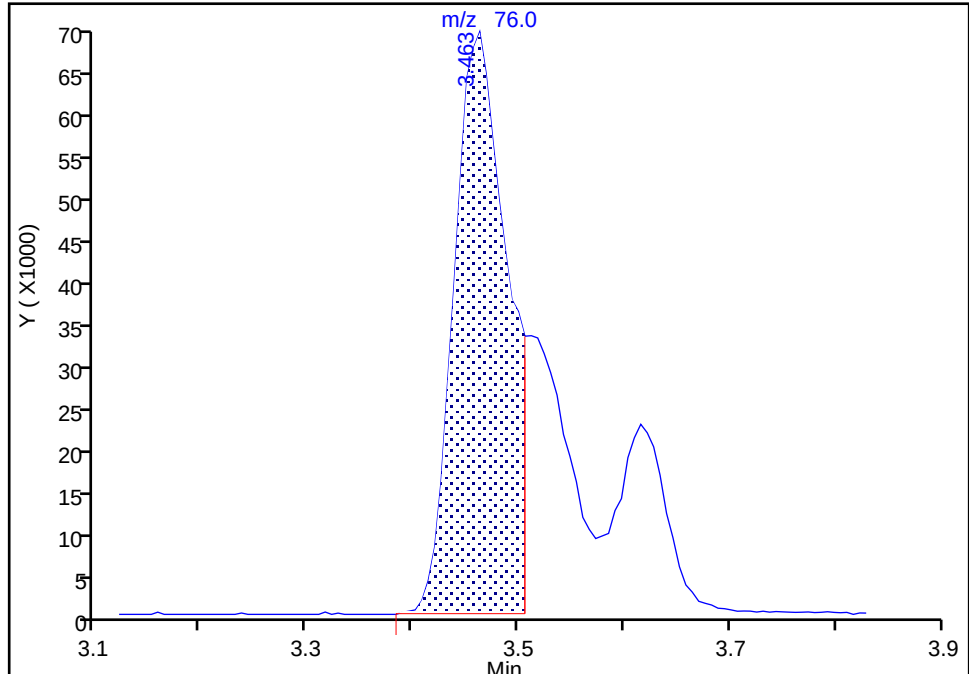
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Injection Date: 14-Jun-2024 23:36:30 Instrument ID: 10193
Lims ID: IC std4 2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

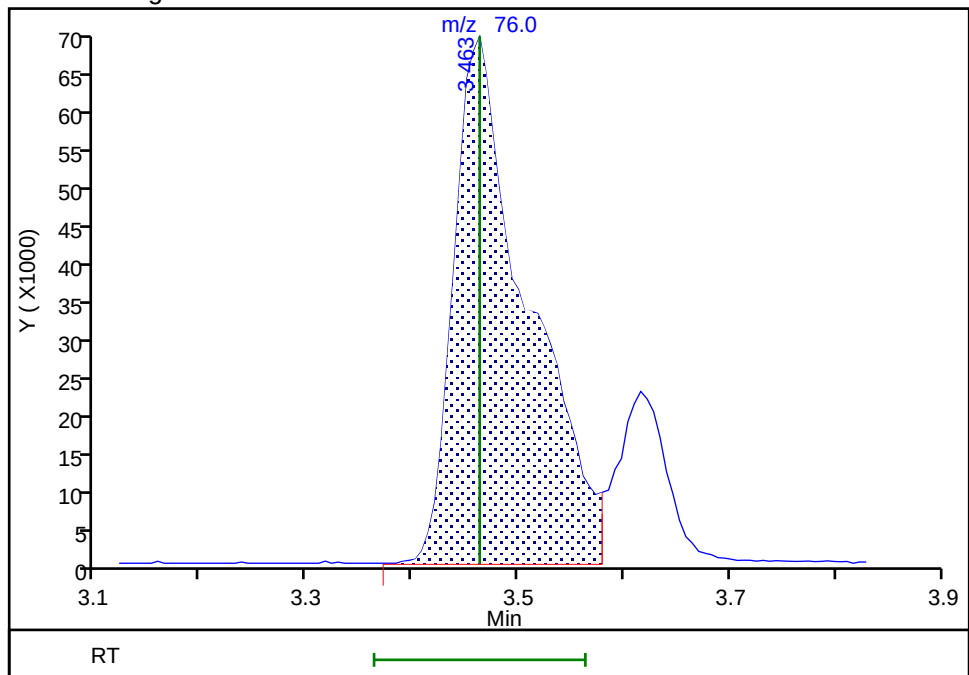
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Area: 245260
Amount: 1.549973
Amount Units: ug/l

Processing Integration Results



RT: 3.46
Area: 335862
Amount: 2.039153
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:36:19 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

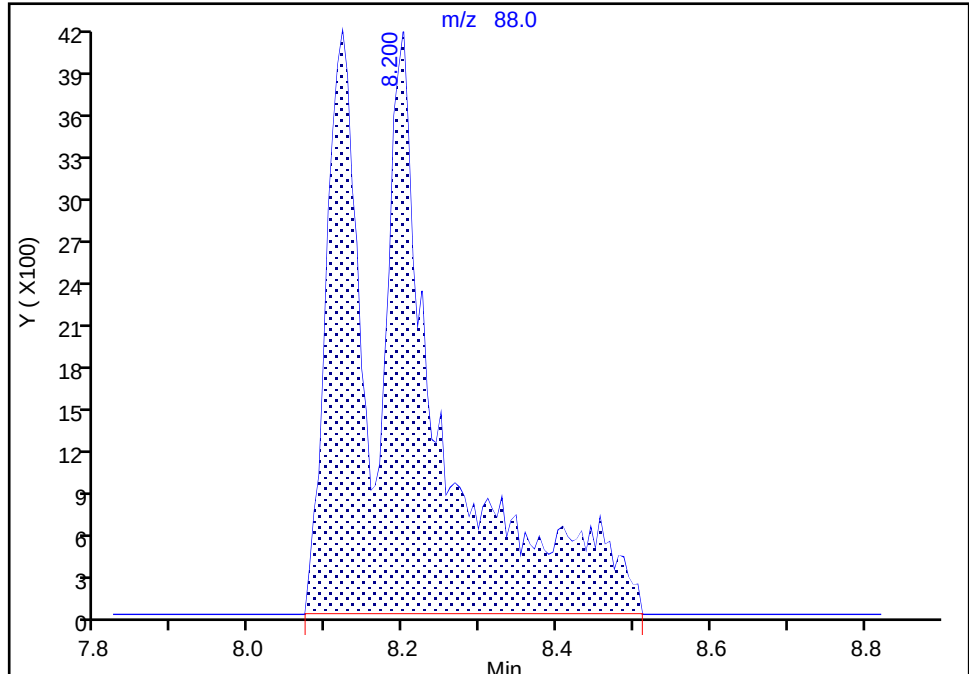
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Injection Date: 14-Jun-2024 23:36:30 Instrument ID: 10193
Lims ID: IC std4 2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

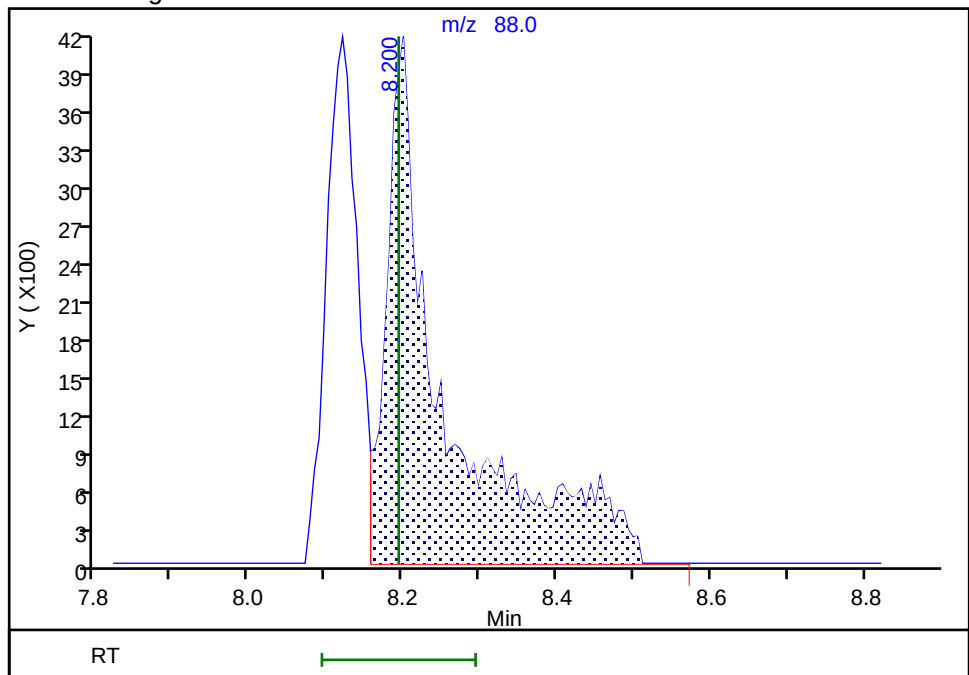
RT: 8.20
Area: 33069
Amount: 148.6420
Amount Units: ug/l

Processing Integration Results



RT: 8.20
Area: 21664
Amount: 105.3903
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:38:09 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X16.D
 Lims ID: IC std5 5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 14-Jun-2024 23:59:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116724-017
 Misc. Info.: IC STD5 LG
 Operator ID: MEC29284 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 19:28:53 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1606

First Level Reviewer: UCB5

Date: 16-Jun-2024 13:44:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.799	0.000	99	368681	5.00	4.93	
5 Chloromethane	50	1.988	1.982	0.006	99	407831	5.00	4.83	
6 Vinyl chloride	62	2.086	2.085	0.001	98	403385	5.00	4.86	
7 Butadiene	39	2.086	2.085	0.001	82	429588	5.00	4.84	
9 Bromomethane	94	2.403	2.396	0.007	90	276953	5.00	4.74	
10 Chloroethane	64	2.445	2.445	0.000	100	232235	5.00	4.88	
11 Dichlorofluoromethane	67	2.695	2.689	0.006	97	604485	5.00	4.90	
13 Pentane	43	2.738	2.738	0.000	97	398397	5.00	4.83	
12 Trichlorofluoromethane	101	2.750	2.744	0.006	98	470564	5.00	4.87	
14 Ethyl ether	59	2.921	2.921	0.000	91	214368	5.00	4.91	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.018	3.018	0.000	91	342676	5.00	4.82	
17 Acrolein	56	3.079	3.073	0.006	100	1691591	250.5	242.8	
18 1,1-Dichloroethene	96	3.201	3.195	0.006	97	243926	5.00	4.74	
20 Acetone	43	3.232	3.219	0.013	100	420322	50.0	46.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.244	3.244	0.000	90	266684	5.00	5.04	
24 Isopropyl alcohol	45	3.384	3.366	0.018	69	167857	100.0	91.1	
22 Iodomethane	142	3.378	3.372	0.006	97	527337	5.00	4.92	
23 Ethyl bromide	108	3.402	3.396	0.006	98	230787	5.01	4.92	
25 Carbon disulfide	76	3.463	3.463	0.000	99	824689	5.00	4.93	
26 Methyl acetate	43	3.597	3.585	0.012	96	124256	5.00	4.83	
29 3-Chloro-1-propene	41	3.622	3.616	0.006	93	420870	5.00	4.92	
30 Methylene Chloride	84	3.786	3.786	0.000	92	287772	5.00	4.69	
* 31 t-Butyl alcohol-d10 (IS)	65	3.793	3.792	0.001	96	180780	50.0	50.0	
32 2-Methyl-2-propanol	59	3.914	3.908	0.006	100	308310	100.0	88.2	
33 Acrylonitrile	53	4.091	4.091	0.000	98	142694	12.5	10.9	
35 trans-1,2-Dichloroethene	96	4.152	4.146	0.006	99	299762	5.00	4.88	
34 Methyl tert-butyl ether	73	4.152	4.146	0.006	95	761005	5.00	4.84	
36 Hexane	57	4.567	4.561	0.006	91	388303	5.00	4.87	
37 1,1-Dichloroethane	63	4.811	4.804	0.007	96	522243	5.00	4.95	
39 Isopropyl ether	45	4.872	4.871	0.001	94	923885	5.00	4.91	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.920	4.914	0.006	89	429652	5.00	4.91	
41 Tert-butyl ethyl ether	59	5.420	5.414	0.006	97	902126	5.00	4.89	
42 2-Butanone (MEK)	43	5.615	5.615	0.000	99	777874	50.0	47.3	
43 cis-1,2-Dichloroethene	96	5.658	5.652	0.006	80	336715	5.00	4.88	
44 2,2-Dichloropropane	77	5.670	5.670	0.000	87	417165	5.00	4.77	
45 Propionitrile	54	5.719	5.719	0.000	99	391243	100.0	88.1	
47 Methacrylonitrile	67	5.932	5.926	0.006	94	782044	50.0	48.1	
49 Tetrahydrofuran	71	5.987	5.981	0.006	87	117062	25.0	22.8	
48 Chlorobromomethane	128	5.987	5.987	0.000	87	157650	5.00	4.95	
50 Chloroform	83	6.152	6.146	0.006	93	526188	5.00	4.71	
S 52 1,2-Dichloroethene, Total	100				0			9.76	
\$ 54 Dibromofluoromethane (Surr)	113	6.371	6.365	0.006	94	546017	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.377	6.371	0.006	98	458013	5.00	4.90	
55 Cyclohexane	56	6.463	6.463	0.000	89	495847	5.00	4.98	
57 1,1-Dichloropropene	75	6.585	6.585	0.001	95	410648	5.00	4.92	
56 Carbon tetrachloride	117	6.585	6.585	0.001	96	419280	5.00	4.96	
58 Isobutyl alcohol	41	6.774	6.780	-0.006	95	303451	250.0	242.0	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.822	6.822	0.000	98	111464	10.0	10.0	
60 Benzene	78	6.853	6.853	0.000	97	1219179	5.00	4.86	
61 1,2-Dichloroethane	62	6.926	6.926	0.000	97	315060	5.00	4.92	
64 Tert-amyl methyl ether	73	7.060	7.060	0.000	99	844422	5.00	4.93	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	98	2250394	10.0	10.0	
66 n-Heptane	43	7.286	7.286	0.000	92	416498	5.00	5.03	
67 n-Butanol	56	7.682	7.682	0.000	87	443658	437.5	384.9	
68 Trichloroethene	95	7.755	7.755	0.000	96	336828	5.00	4.87	
69 Methylcyclohexane	83	8.066	8.066	0.000	89	556527	5.00	5.03	
70 1,2-Dichloropropane	63	8.097	8.096	0.001	97	315585	5.00	4.91	
71 2-ethoxy-2-methyl butane	87	8.121	8.127	-0.006	94	517863	5.00	4.96	
74 1,4-Dioxane	88	8.200	8.194	0.006	32	60707	250.0	268.4	M
73 Methyl methacrylate	69	8.200	8.200	0.000	92	159150	5.00	4.67	M
72 Dibromomethane	93	8.206	8.206	0.000	91	164594	5.00	5.03	
76 Dichlorobromomethane	83	8.456	8.456	0.000	100	383196	5.00	4.94	
77 2-Nitropropane	41	8.743	8.743	0.000	98	221451	25.0	24.1	
78 1-Bromo-2-chloroethane	63	8.846	8.846	0.000	98	308503	5.00	4.91	
80 cis-1,3-Dichloropropene	75	9.029	9.029	0.000	97	499072	5.00	4.97	
82 4-Methyl-2-pentanone (MIBK)	43	9.231	9.230	0.001	95	2102012	50.0	50.0	
\$ 83 Toluene-d8 (Surr)	98	9.359	9.358	0.001	93	2278729	10.0	10.0	
84 Toluene	92	9.444	9.444	0.000	98	823735	5.00	4.89	
85 trans-1,3-Dichloropropene	75	9.730	9.730	0.000	91	428359	5.00	4.99	
86 Ethyl methacrylate	69	9.804	9.803	0.001	89	366072	5.00	4.98	
87 1,1,2-Trichloroethane	97	9.944	9.944	0.000	89	238660	5.00	4.89	
88 Tetrachloroethene	166	10.023	10.023	0.000	97	412715	5.00	4.93	
S 107 1,3-Dichloropropene, Total	100				0			9.96	
89 1,3-Dichloropropane	76	10.115	10.114	0.000	89	404151	5.00	4.99	
106 2-Hexanone	43	10.182	10.181	0.001	96	1513323	50.0	49.5	
108 Chlorodibromomethane	129	10.334	10.334	0.000	90	312772	5.00	4.99	
110 Ethylene Dibromide	107	10.444	10.444	0.000	99	239760	5.00	4.96	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	83	1774642	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	96	469345	5.00	4.75	
113 Chlorobenzene	112	10.925	10.925	0.000	97	995166	5.00	4.94	
114 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	96	352771	5.00	4.97	
115 Ethylbenzene	91	11.023	11.023	0.000	98	1622005	5.00	4.90	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.145	11.145	0.000	97	1328674	10.0	9.80	
S 117 Xylenes, Total	106				0			14.8	
118 o-Xylene	106	11.486	11.486	0.000	95	661618	5.00	4.95	
119 Styrene	104	11.498	11.498	0.000	95	1102472	5.00	4.98	
120 Bromoform	173	11.657	11.657	0.000	98	198454	5.00	4.91	
121 Isopropylbenzene	105	11.797	11.797	0.000	95	1578257	5.00	4.98	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.943	-0.006	94	863973	10.0	10.1	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	75	303835	5.00	4.97	
125 Bromobenzene	156	12.059	12.059	0.000	88	447526	5.00	4.86	
127 trans-1,4-Dichloro-2-butene	53	12.084	12.083	0.001	90	719949	50.0	50.2	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	79	83927	5.00	4.95	
129 N-Propylbenzene	91	12.132	12.138	-0.006	98	1936140	5.00	4.89	
130 2-Chlorotoluene	126	12.212	12.211	0.001	98	431939	5.00	4.87	
131 1,3,5-Trimethylbenzene	105	12.279	12.279	0.000	94	1455579	5.00	4.92	
132 4-Chlorotoluene	126	12.303	12.303	0.000	96	450927	5.00	4.87	
133 tert-Butylbenzene	134	12.523	12.522	0.001	92	344801	5.00	4.85	
134 Pentachloroethane	167	12.553	12.553	0.000	93	268601	5.00	5.04	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	96	1503820	5.00	4.93	
136 sec-Butylbenzene	105	12.693	12.693	0.000	93	1872383	5.00	4.91	
137 1,3-Dichlorobenzene	146	12.785	12.785	0.000	98	888228	5.00	4.88	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	1701451	5.00	4.96	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.846	0.000	92	1046571	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.864	12.864	0.000	96	905642	5.00	4.87	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	98	688298	5.00	4.89	
142 Benzyl chloride	126	12.943	12.943	0.000	98	138873	5.00	4.96	
145 p-Diethylbenzene	119	13.083	13.083	0.000	94	1046874	5.00	4.90	
143 n-Butylbenzene	92	13.102	13.102	0.000	97	805142	5.00	4.89	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	815649	5.00	4.91	
148 1,2-Dibromo-3-Chloropropane	155	13.681	13.681	0.000	91	52067	5.00	5.15	
149 1,3,5-Trichlorobenzene	180	13.809	13.803	0.006	98	695408	5.00	4.93	
150 1,2,4-Trichlorobenzene	180	14.236	14.235	0.001	94	568421	5.00	4.97	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	97	280192	5.00	4.74	
152 Naphthalene	128	14.419	14.418	0.001	96	927395	5.00	5.12	
153 1,2,3-Trichlorobenzene	180	14.565	14.565	0.000	96	446800	5.00	5.01	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	405820	5.00	5.06	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00133

Amount Added: 5.00

Units: uL

MSV_LL_#2_826_00140

Amount Added: 5.00

Units: uL

MSV_LL_GAS826_00214

Amount Added: 5.00

Units: uL

MSV_HP25_ISSS_00090

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 17-Jun-2024 19:28:54

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X16.D

Injection Date: 14-Jun-2024 23:59:30

Instrument ID: 10193

Operator ID: MEC29284

Lims ID: IC std5 5

Worklist Smp#: 17

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

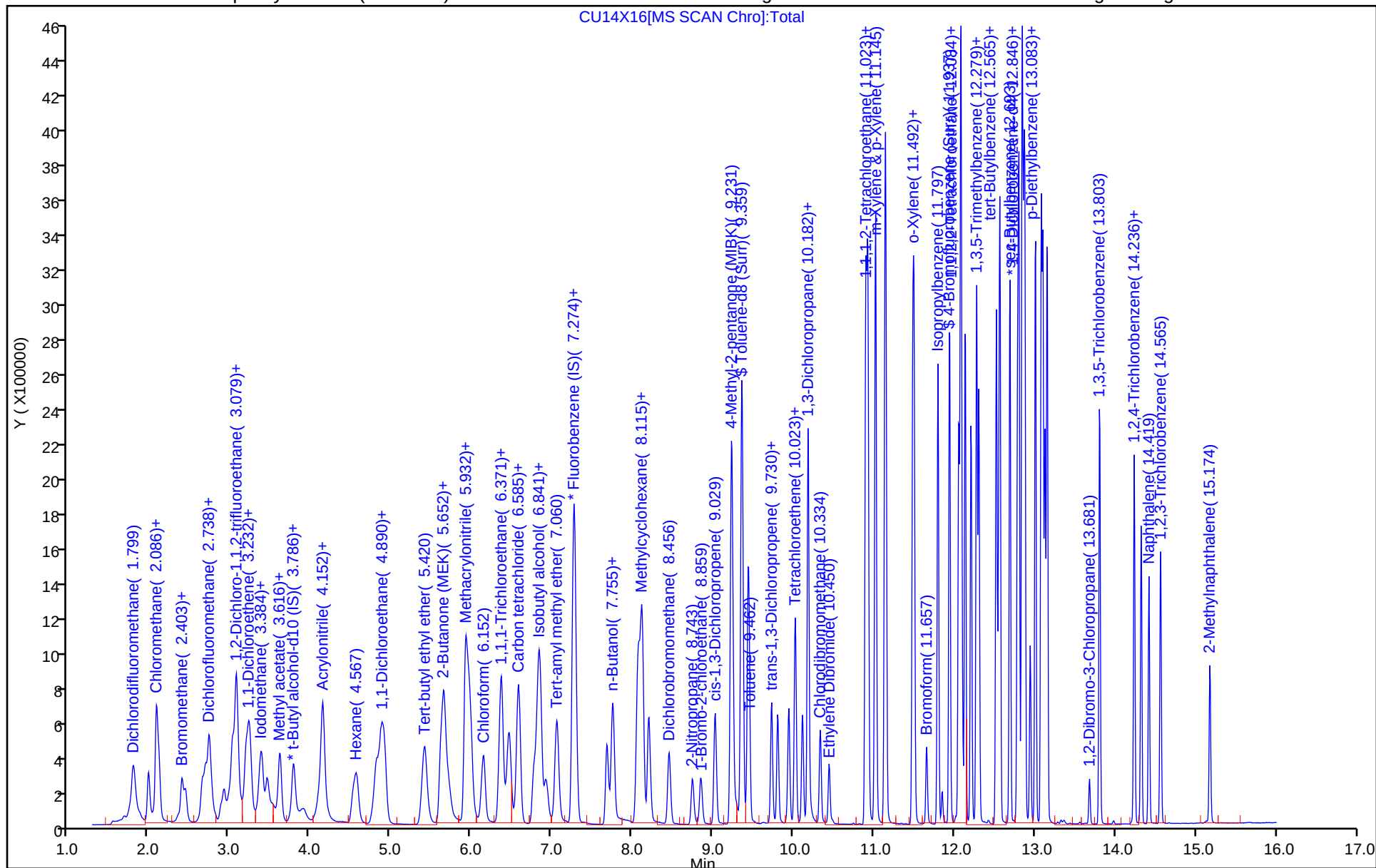
ALS Bottle#: 16

Method: MSV_10193_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

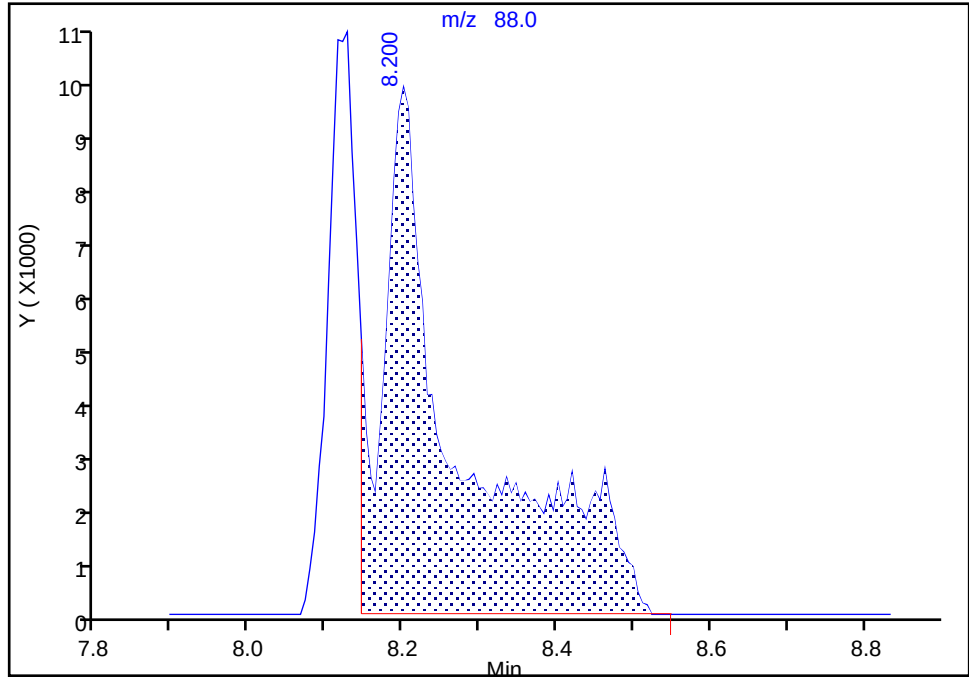
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Injection Date: 14-Jun-2024 23:59:30 Instrument ID: 10193
Lims ID: IC std5 5
Client ID:
Operator ID: MEC29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

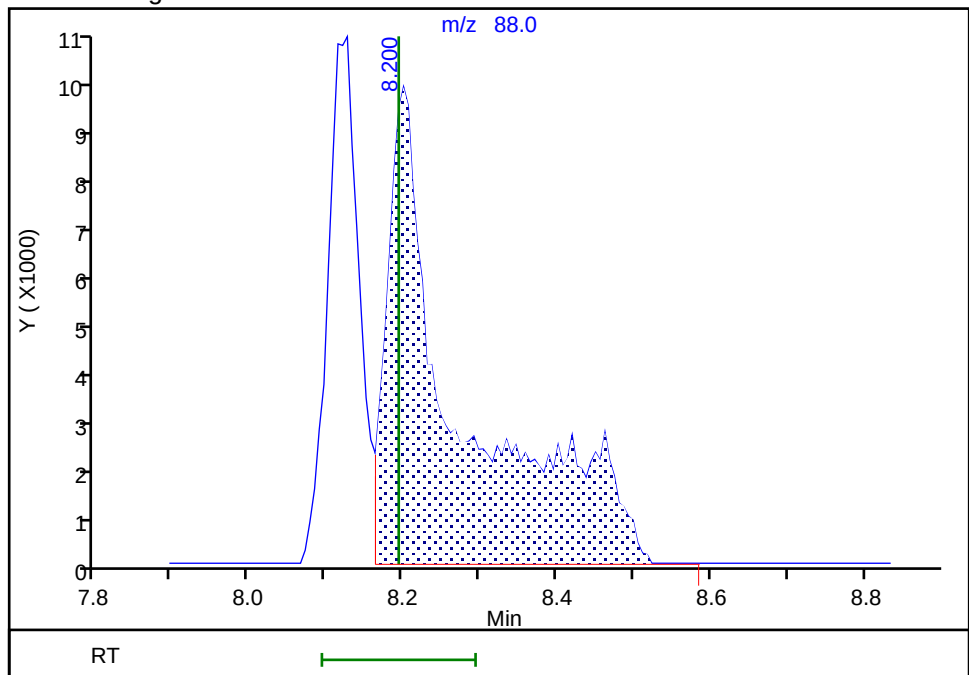
RT: 8.20
Area: 64507
Amount: 284.3636
Amount Units: ug/l

Processing Integration Results



RT: 8.20
Area: 60707
Amount: 268.4214
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 17-Jun-2024 19:19:41 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

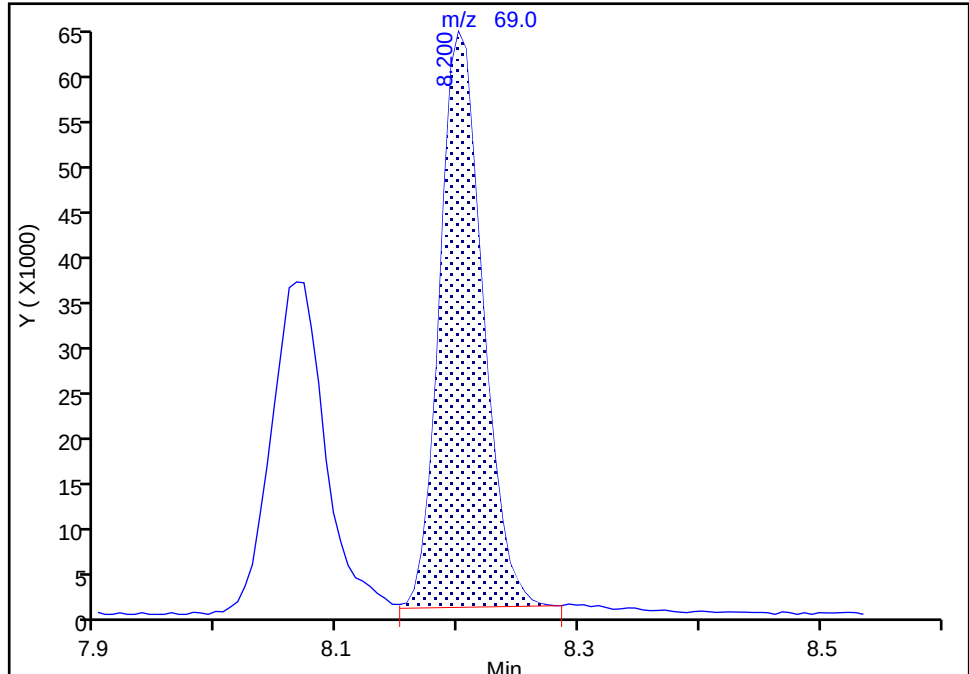
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X16.D
Injection Date: 14-Jun-2024 23:59:30 Instrument ID: 10193
Lims ID: IC std5 5
Client ID:
Operator ID: MEC29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 Methyl methacrylate, CAS: 80-62-6

Signal: 1

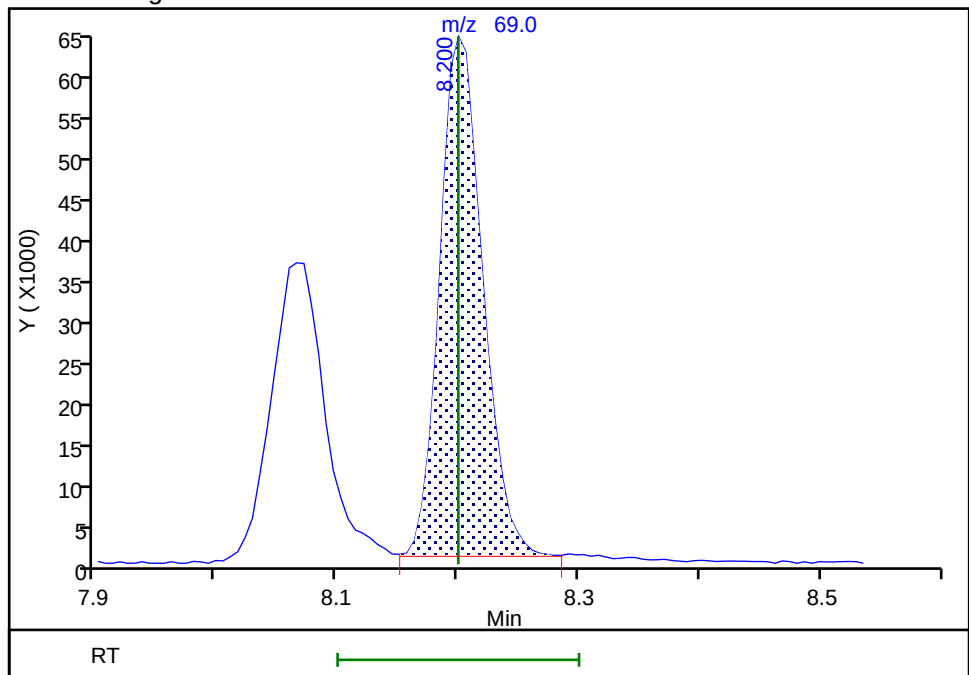
RT: 8.20
Area: 159049
Amount: 4.576438
Amount Units: ug/l

Processing Integration Results



RT: 8.20
Area: 159150
Amount: 4.665995
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:43:04 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X17.D
 Lims ID: ICIS 10
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 15-Jun-2024 00:22:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116724-018
 Misc. Info.: IC STD10 LG
 Operator ID: MEC29284 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 19:28:58 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1606

First Level Reviewer: DVW2

Date: 16-Jun-2024 08:15:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.799	0.000	99	734237	10.0	9.69	
5 Chloromethane	50	1.982	1.982	0.000	99	809771	10.0	9.46	
6 Vinyl chloride	62	2.085	2.085	0.000	98	808044	10.0	9.59	
7 Butadiene	39	2.085	2.085	0.000	90	862743	10.0	9.58	
9 Bromomethane	94	2.396	2.396	0.000	90	563388	10.0	9.50	
10 Chloroethane	64	2.445	2.445	0.000	100	462351	10.0	9.58	
11 Dichlorofluoromethane	67	2.689	2.689	0.000	97	1222831	10.0	9.78	
13 Pentane	43	2.738	2.738	0.000	97	807696	10.0	9.65	
12 Trichlorofluoromethane	101	2.744	2.744	0.000	99	948084	10.0	9.67	
14 Ethyl ether	59	2.921	2.921	0.000	91	433149	10.0	9.78	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.018	3.018	0.000	91	693949	10.0	9.62	
17 Acrolein	56	3.073	3.073	0.000	100	3768167	501.1	518.2	
18 1,1-Dichloroethene	96	3.195	3.195	0.000	97	491747	10.0	9.42	
20 Acetone	43	3.219	3.219	0.000	100	891438	100.0	95.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.244	3.244	0.000	90	532721	10.0	9.92	
24 Isopropyl alcohol	45	3.366	3.366	0.000	43	411663	200.0	213.9	
22 Iodomethane	142	3.372	3.372	0.000	97	1063632	10.0	9.78	
23 Ethyl bromide	108	3.396	3.396	0.000	97	466648	10.0	9.82	
25 Carbon disulfide	76	3.463	3.463	0.000	99	1662162	10.0	9.81	
26 Methyl acetate	43	3.585	3.585	0.000	96	259596	10.0	9.66	
29 3-Chloro-1-propene	41	3.616	3.616	0.000	93	852542	10.0	9.83	
30 Methylene Chloride	84	3.786	3.786	0.000	90	581565	10.0	9.35	
* 31 t-Butyl alcohol-d10 (IS)	65	3.798	3.798	0.000	49	188699	50.0	50.0	
32 2-Methyl-2-propanol	59	3.908	3.908	0.000	100	651277	200.0	178.5	
33 Acrylonitrile	53	4.091	4.091	0.000	99	316143	25.0	23.1	
35 trans-1,2-Dichloroethene	96	4.146	4.146	0.000	99	602335	10.0	9.67	
34 Methyl tert-butyl ether	73	4.146	4.146	0.000	94	1590845	10.0	9.98	
36 Hexane	57	4.561	4.561	0.000	92	784492	10.0	9.69	
37 1,1-Dichloroethane	63	4.804	4.804	0.000	96	1050430	10.0	9.81	
39 Isopropyl ether	45	4.871	4.871	0.000	94	1876667	10.0	9.84	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.914	4.914	0.000	89	860537	10.0	9.69	
41 Tert-butyl ethyl ether	59	5.414	5.414	0.000	97	1842578	10.0	9.86	
42 2-Butanone (MEK)	43	5.615	5.615	0.000	99	1720851	100.0	100.2	
43 cis-1,2-Dichloroethene	96	5.652	5.652	0.000	80	680417	10.0	9.72	
44 2,2-Dichloropropane	77	5.670	5.670	0.000	85	833572	10.0	9.39	
45 Propionitrile	54	5.719	5.719	0.000	99	976438	200.0	210.7	
47 Methacrylonitrile	67	5.926	5.926	0.000	91	1649667	100.0	97.2	
49 Tetrahydrofuran	71	5.981	5.981	0.000	78	250650	50.0	46.7	
48 Chlorobromomethane	128	5.987	5.987	0.000	87	319608	10.0	9.89	
50 Chloroform	83	6.146	6.146	0.000	93	1052795	10.0	9.28	
\$ 54 Dibromofluoromethane (Surr)	113	6.365	6.365	0.000	94	554691	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.371	6.371	0.000	98	915814	10.0	9.67	
55 Cyclohexane	56	6.463	6.463	0.000	89	1005521	10.0	9.97	
57 1,1-Dichloropropene	75	6.585	6.585	0.000	97	822182	10.0	9.71	
56 Carbon tetrachloride	117	6.585	6.585	0.000	96	845695	10.0	9.86	
58 Isobutyl alcohol	41	6.780	6.780	0.000	95	647610	500.0	494.8	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.822	6.822	0.000	99	111406	10.0	9.85	
60 Benzene	78	6.853	6.853	0.000	96	2475580	10.0	9.73	
61 1,2-Dichloroethane	62	6.926	6.926	0.000	97	633799	10.0	9.76	
64 Tert-amyl methyl ether	73	7.060	7.060	0.000	98	1748941	10.0	10.1	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2282400	10.0	10.0	
66 n-Heptane	43	7.286	7.286	0.000	91	837504	10.0	9.98	
67 n-Butanol	56	7.682	7.682	0.000	87	1097174	875.0	912.0	
68 Trichloroethene	95	7.755	7.755	0.000	96	673226	10.0	9.61	
69 Methylcyclohexane	83	8.066	8.066	0.000	89	1129952	10.0	10.1	
70 1,2-Dichloropropane	63	8.096	8.096	0.000	97	643632	10.0	9.88	
71 2-ethoxy-2-methyl butane	87	8.127	8.127	0.000	95	1069075	10.0	10.1	
74 1,4-Dioxane	88	8.194	8.194	0.000	33	116675	500.0	494.2	Ma
73 Methyl methacrylate	69	8.200	8.200	0.000	90	345830	10.0	9.71	
72 Dibromomethane	93	8.206	8.206	0.000	92	325035	10.0	9.79	
76 Dichlorobromomethane	83	8.456	8.456	0.000	100	780772	10.0	9.93	
77 2-Nitropropane	41	8.743	8.743	0.000	97	486658	50.0	50.7	
78 1-Bromo-2-chloroethane	63	8.846	8.846	0.000	98	642953	10.0	10.1	
80 cis-1,3-Dichloropropene	75	9.029	9.029	0.000	97	1014736	10.0	9.97	
82 4-Methyl-2-pentanone (MIBK)	43	9.230	9.230	0.000	96	4387352	100.0	99.9	
\$ 83 Toluene-d8 (Surr)	98	9.358	9.358	0.000	93	2309511	10.0	10.1	
84 Toluene	92	9.444	9.444	0.000	98	1671454	10.0	9.82	
85 trans-1,3-Dichloropropene	75	9.730	9.730	0.000	91	866626	10.0	10.0	
86 Ethyl methacrylate	69	9.803	9.803	0.000	89	747761	10.0	10.1	
87 1,1,2-Trichloroethane	97	9.944	9.944	0.000	90	477370	10.0	9.70	
88 Tetrachloroethene	166	10.023	10.023	0.000	97	827702	10.0	9.80	
89 1,3-Dichloropropane	76	10.114	10.114	0.000	89	810192	10.0	9.90	
106 2-Hexanone	43	10.181	10.181	0.000	96	3122469	100.0	97.8	
108 Chlorodibromomethane	129	10.334	10.334	0.000	89	643090	10.0	10.2	
110 Ethylene Dibromide	107	10.444	10.444	0.000	99	489120	10.0	10.0	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	1791303	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	96	944447	10.0	9.47	
113 Chlorobenzene	112	10.925	10.925	0.000	97	1999402	10.0	9.83	
114 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	97	720956	10.0	10.1	
115 Ethylbenzene	91	11.023	11.023	0.000	98	3278886	10.0	9.81	
116 m-Xylene & p-Xylene	106	11.145	11.145	0.000	97	2686365	20.0	19.6	
118 o-Xylene	106	11.486	11.486	0.000	96	1334091	10.0	9.89	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
119 Styrene	104	11.498	11.498	0.000	95	2233184	10.0	10.0	
120 Bromoform	173	11.657	11.657	0.000	98	409184	10.0	10.0	
121 Isopropylbenzene	105	11.797	11.797	0.000	95	3196885	10.0	9.99	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.943	11.943	0.000	96	867691	10.0	10.1	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	76	622324	10.0	10.1	
125 Bromobenzene	156	12.059	12.059	0.000	88	908749	10.0	9.75	
127 trans-1,4-Dichloro-2-butene	53	12.083	12.083	0.000	90	1474792	100.0	101.5	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	78	170673	10.0	9.93	
129 N-Propylbenzene	91	12.138	12.138	0.000	98	3940061	10.0	9.83	
130 2-Chlorotoluene	126	12.211	12.211	0.000	98	878431	10.0	9.77	
131 1,3,5-Trimethylbenzene	105	12.279	12.279	0.000	94	2953220	10.0	9.86	
132 4-Chlorotoluene	126	12.303	12.303	0.000	96	911272	10.0	9.73	
133 tert-Butylbenzene	134	12.522	12.522	0.000	92	705095	10.0	9.79	
134 Pentachloroethane	167	12.553	12.553	0.000	95	557070	10.0	10.3	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	97	3065316	10.0	9.92	
136 sec-Butylbenzene	105	12.693	12.693	0.000	93	3842980	10.0	9.95	
137 1,3-Dichlorobenzene	146	12.785	12.785	0.000	98	1814020	10.0	9.85	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	3462326	10.0	9.97	
* 139 1,4-Dichlorobenzene-d4	152	12.845	12.845	0.000	92	1059823	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.864	12.864	0.000	96	1844120	10.0	9.79	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	98	1427855	10.0	10.0	
142 Benzyl chloride	126	12.943	12.943	0.000	98	290573	10.0	10.2	
145 p-Diethylbenzene	119	13.083	13.083	0.000	94	2146118	10.0	9.92	
143 n-Butylbenzene	92	13.102	13.102	0.000	96	1641310	10.0	9.85	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	1685786	10.0	10.0	
148 1,2-Dibromo-3-Chloropropane	155	13.681	13.681	0.000	92	112816	10.0	11.0	
149 1,3,5-Trichlorobenzene	180	13.803	13.803	0.000	98	1437909	10.0	10.1	
150 1,2,4-Trichlorobenzene	180	14.235	14.235	0.000	94	1215124	10.0	10.5	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	96	597322	10.0	9.99	
152 Naphthalene	128	14.418	14.418	0.000	96	2042535	10.0	11.1	
153 1,2,3-Trichlorobenzene	180	14.565	14.565	0.000	96	970054	10.0	10.7	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	933449	10.0	11.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00133

Amount Added: 10.00

Units: uL

MSV_LL_#2_826_00140

Amount Added: 10.00

Units: uL

MSV_LL_GAS826_00214

Amount Added: 10.00

Units: uL

MSV_HP25_ISSS_00090

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 17-Jun-2024 19:28:59

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X17.D

Injection Date: 15-Jun-2024 00:22:30

Instrument ID: 10193

Operator ID: MEC29284

Lims ID: ICIS 10

Worklist Smp#: 18

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

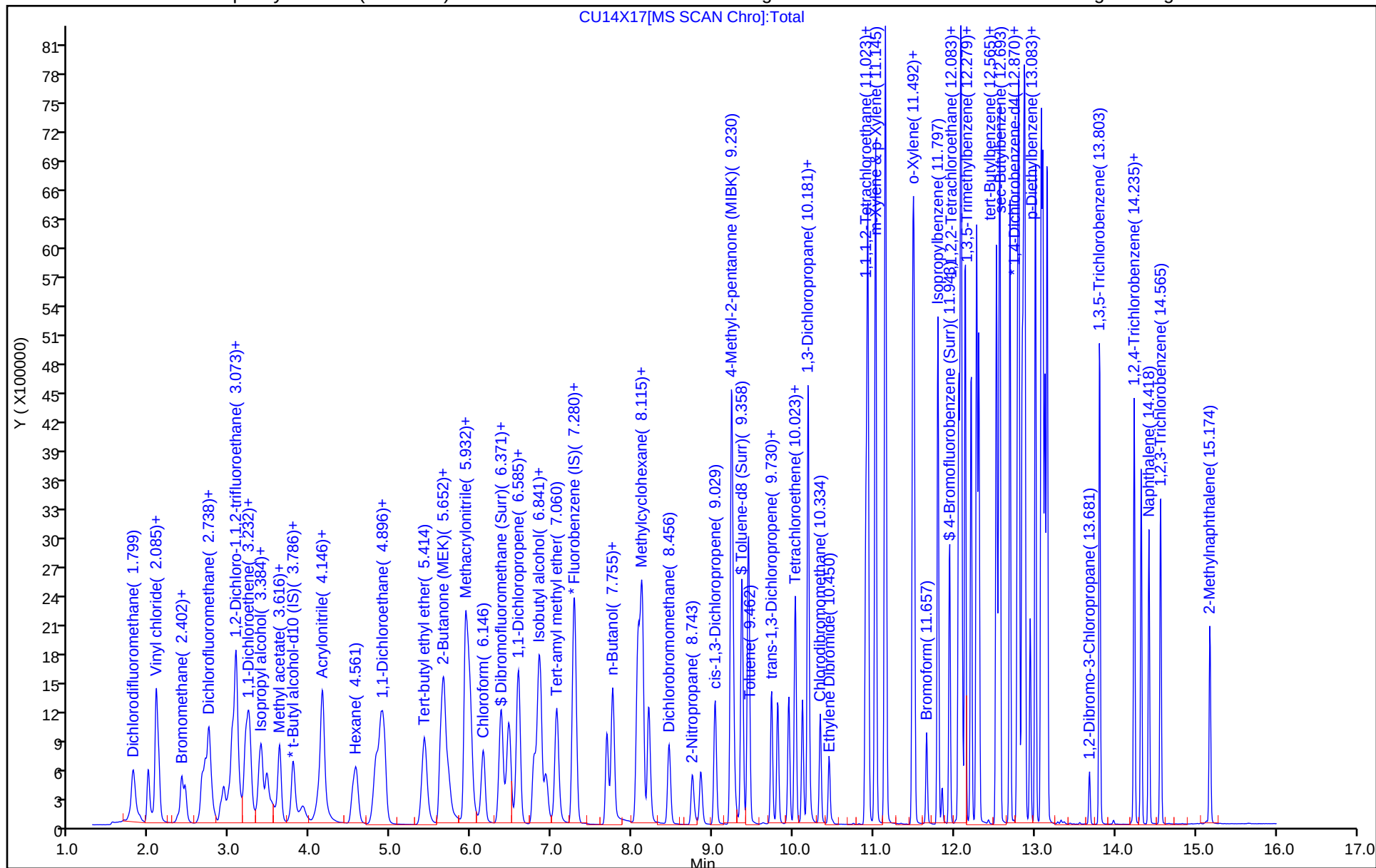
ALS Bottle#: 17

Method: MSV_10193_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

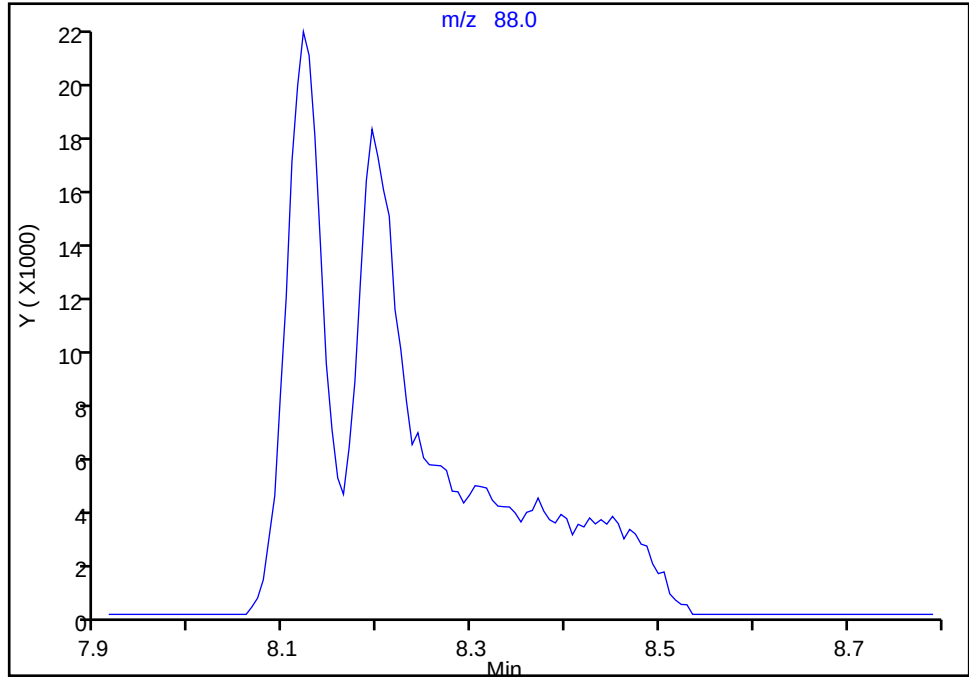
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Injection Date: 15-Jun-2024 00:22:30 Instrument ID: 10193
Lims ID: ICIS 10
Client ID:
Operator ID: MEC29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 1,4-Dioxane, CAS: 123-91-1

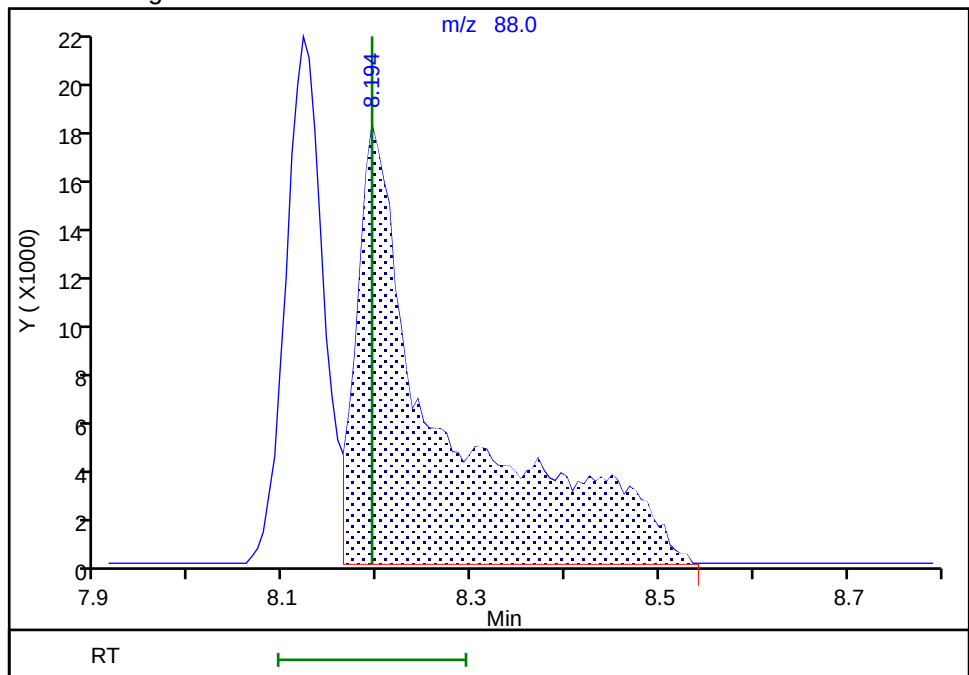
Signal: 1

Not Detected
Expected RT: 8.19

Processing Integration Results



Manual Integration Results



Reviewer: DVW2, 16-Jun-2024 08:15:01 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Lims ID: IC std7 25
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 15-Jun-2024 00:45:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116724-019
 Misc. Info.: IC STD25 LG
 Operator ID: MEC29284 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 19:29:21 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1606

First Level Reviewer: UCB5

Date: 16-Jun-2024 13:53:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.799	0.000	99	1905383	25.0	25.7	
5 Chloromethane	50	1.982	1.982	0.000	99	2083250	25.0	24.9	
6 Vinyl chloride	62	2.085	2.085	0.000	98	2101955	25.0	25.5	
7 Butadiene	39	2.085	2.085	0.000	92	2161710	25.0	24.5	M
9 Bromomethane	94	2.396	2.396	0.000	89	1445096	25.0	24.9	
10 Chloroethane	64	2.445	2.445	0.000	100	1191486	25.0	25.2	
11 Dichlorofluoromethane	67	2.689	2.689	0.000	97	3154184	25.0	25.8	
13 Pentane	43	2.732	2.738	-0.006	97	2064115	25.0	25.2	
12 Trichlorofluoromethane	101	2.738	2.744	-0.006	98	2424884	25.0	25.3	
14 Ethyl ether	59	2.914	2.921	-0.007	90	1138331	25.0	26.3	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.018	3.018	0.000	91	1803949	25.0	25.6	
17 Acrolein	56	3.073	3.073	0.000	100	9594947	1252.7	1323.4	
18 1,1-Dichloroethene	96	3.201	3.195	0.006	97	1279237	25.0	25.0	
20 Acetone	43	3.225	3.219	0.006	100	2194483	250.0	235.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.244	3.244	0.000	90	1349071	25.0	25.7	
24 Isopropyl alcohol	45	3.378	3.366	0.012	40	1037305	500.0	540.7	
22 Iodomethane	142	3.372	3.372	0.000	97	2768721	25.0	26.0	
23 Ethyl bromide	108	3.396	3.396	0.000	98	1232176	25.0	26.5	
25 Carbon disulfide	76	3.463	3.463	0.000	99	4401815	25.0	26.5	
26 Methyl acetate	43	3.591	3.585	0.006	96	648417	25.0	24.2	M
29 3-Chloro-1-propene	41	3.615	3.616	-0.001	93	2239904	25.0	26.4	
30 Methylene Chloride	84	3.786	3.786	0.000	91	1501358	25.0	24.7	
* 31 t-Butyl alcohol-d10 (IS)	65	3.804	3.798	0.006	94	188137	50.0	50.0	M
32 2-Methyl-2-propanol	59	3.908	3.908	0.000	100	1671928	500.0	459.6	
33 Acrylonitrile	53	4.091	4.091	0.000	99	789839	62.5	58.0	
35 trans-1,2-Dichloroethene	96	4.146	4.146	0.000	99	1561141	25.0	25.6	
34 Methyl tert-butyl ether	73	4.140	4.146	-0.006	97	4071785	25.0	26.1	
36 Hexane	57	4.560	4.561	-0.001	91	2006405	25.0	25.3	
37 1,1-Dichloroethane	63	4.804	4.804	0.000	96	2726420	25.0	26.0	
39 Isopropyl ether	45	4.871	4.871	0.000	94	4877622	25.0	26.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.914	4.914	0.000	89	2242733	25.0	25.8	
41 Tert-butyl ethyl ether	59	5.414	5.414	0.000	97	4765931	25.0	26.1	
42 2-Butanone (MEK)	43	5.615	5.615	0.000	99	4268978	250.0	249.3	
43 cis-1,2-Dichloroethene	96	5.652	5.652	0.000	80	1771577	25.0	25.9	
44 2,2-Dichloropropane	77	5.670	5.670	0.000	89	2151525	25.0	24.8	
45 Propionitrile	54	5.719	5.719	0.000	99	2529029	500.0	547.5	
47 Methacrylonitrile	67	5.932	5.926	0.006	93	4229919	250.0	249.8	
49 Tetrahydrofuran	71	5.987	5.981	0.006	85	637151	125.0	119.1	
48 Chlorobromomethane	128	5.987	5.987	0.000	91	818941	25.0	25.9	
50 Chloroform	83	6.145	6.146	-0.001	93	2719432	25.0	24.5	
S 52 1,2-Dichloroethene, Total	100				0			51.5	
\$ 54 Dibromofluoromethane (Surr)	113	6.371	6.365	0.006	94	541031	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.371	6.371	0.000	98	2378894	25.0	25.7	
55 Cyclohexane	56	6.469	6.463	0.006	89	2567920	25.0	26.0	
57 1,1-Dichloropropene	75	6.584	6.585	0.000	98	2166141	25.0	26.1	
56 Carbon tetrachloride	117	6.578	6.585	-0.006	96	2220074	25.0	26.4	
58 Isobutyl alcohol	41	6.773	6.780	-0.007	95	1575075	1250.0	1207.1	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.828	6.822	0.006	98	109807	10.0	9.92	
60 Benzene	78	6.853	6.853	0.000	95	6440925	25.0	25.9	
61 1,2-Dichloroethane	62	6.926	6.926	0.000	97	1614182	25.0	25.4	
64 Tert-amyl methyl ether	73	7.060	7.060	0.000	98	4483418	25.0	26.4	
* 65 Fluorobenzene (IS)	96	7.273	7.267	0.006	95	2233108	10.0	10.0	
66 n-Heptane	43	7.286	7.286	0.000	92	2110634	25.0	25.7	
67 n-Butanol	56	7.682	7.682	0.000	86	2771268	2187.5	2310.5	M
68 Trichloroethene	95	7.755	7.755	0.000	96	1756419	25.0	25.6	
69 Methylcyclohexane	83	8.066	8.066	0.000	90	2892643	25.0	26.3	
70 1,2-Dichloropropane	63	8.096	8.096	0.000	97	1682549	25.0	26.4	
71 2-ethoxy-2-methyl butane	87	8.127	8.127	0.000	95	2801387	25.0	27.0	
74 1,4-Dioxane	88	8.200	8.194	0.006	66	320840	1250.0	1363.1	M
73 Methyl methacrylate	69	8.200	8.200	0.000	92	870579	25.0	24.5	
72 Dibromomethane	93	8.206	8.206	0.000	92	858709	25.0	26.4	
76 Dichlorobromomethane	83	8.456	8.456	0.000	99	2031557	25.0	26.4	
77 2-Nitropropane	41	8.749	8.743	0.006	97	1213307	125.0	126.9	
78 1-Bromo-2-chloroethane	63	8.852	8.846	0.006	98	1649892	25.0	26.5	
80 cis-1,3-Dichloropropene	75	9.029	9.029	0.000	97	2647910	25.0	26.6	
82 4-Methyl-2-pentanone (MIBK)	43	9.236	9.230	0.006	95	11258197	250.0	257.1	
\$ 83 Toluene-d8 (Surr)	98	9.364	9.358	0.006	93	2253682	10.0	10.1	
84 Toluene	92	9.444	9.444	0.000	98	4354894	25.0	26.4	
85 trans-1,3-Dichloropropene	75	9.730	9.730	0.000	91	2265180	25.0	26.9	
86 Ethyl methacrylate	69	9.803	9.803	0.000	89	1936916	25.0	26.9	
87 1,1,2-Trichloroethane	97	9.944	9.944	0.000	90	1228042	25.0	25.7	
88 Tetrachloroethene	166	10.023	10.023	0.000	97	2161277	25.0	26.3	
S 107 1,3-Dichloropropene, Total	100				0			53.5	
89 1,3-Dichloropropane	76	10.114	10.114	0.000	89	2110086	25.0	26.6	
106 2-Hexanone	43	10.181	10.181	0.000	95	7969148	250.0	250.4	
108 Chlorodibromomethane	129	10.334	10.334	0.000	90	1678834	25.0	27.3	
110 Ethylene Dibromide	107	10.443	10.444	-0.001	99	1266157	25.0	26.7	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	1739935	10.0	10.0	
112 1-Chlorohexane	91	10.925	10.919	0.006	97	2446377	25.0	25.3	
113 Chlorobenzene	112	10.931	10.925	0.006	97	5192630	25.0	26.3	
114 1,1,1,2-Tetrachloroethane	131	11.016	11.017	-0.001	97	1890919	25.0	27.2	
115 Ethylbenzene	91	11.023	11.023	0.000	98	8572940	25.0	26.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.145	11.145	-0.001	97	7050481	50.0	53.1	
S 117 Xylenes, Total	106				0			79.6	
118 o-Xylene	106	11.486	11.486	0.000	95	3481281	25.0	26.6	
119 Styrene	104	11.504	11.498	0.006	95	5794215	25.0	26.7	
120 Bromoform	173	11.657	11.657	0.000	98	1075393	25.0	27.2	
121 Isopropylbenzene	105	11.797	11.797	0.000	95	8237293	25.0	26.5	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.943	11.943	0.000	96	847227	10.0	10.1	
126 1,1,2,2-Tetrachloroethane	83	12.059	12.053	0.006	76	1618375	25.0	26.5	
125 Bromobenzene	156	12.059	12.059	0.000	88	2351082	25.0	25.6	
127 trans-1,4-Dichloro-2-butene	53	12.083	12.083	0.000	90	3923681	250.0	274.0	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	77	445742	25.0	26.3	
129 N-Propylbenzene	91	12.138	12.138	0.000	98	10077512	25.0	25.5	
130 2-Chlorotoluene	126	12.211	12.211	0.000	98	2281014	25.0	25.8	
131 1,3,5-Trimethylbenzene	105	12.278	12.279	-0.001	94	7768355	25.0	26.3	
132 4-Chlorotoluene	126	12.309	12.303	0.006	96	2393840	25.0	25.9	
133 tert-Butylbenzene	134	12.522	12.522	0.000	93	1837768	25.0	25.9	
134 Pentachloroethane	167	12.553	12.553	0.000	95	1477179	25.0	27.8	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	96	8059731	25.0	26.5	
136 sec-Butylbenzene	105	12.693	12.693	0.000	93	9766106	25.0	25.7	
137 1,3-Dichlorobenzene	146	12.784	12.785	-0.001	98	4702331	25.0	25.9	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	8936074	25.0	26.1	
* 139 1,4-Dichlorobenzene-d4	152	12.845	12.845	0.000	92	1044446	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.864	12.864	0.000	96	4822201	25.0	26.0	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	98	3744402	25.0	26.6	
142 Benzyl chloride	126	12.943	12.943	0.000	98	751893	25.0	26.9	
145 p-Diethylbenzene	119	13.083	13.083	0.000	94	5565330	25.0	26.1	
143 n-Butylbenzene	92	13.101	13.102	-0.001	98	4294531	25.0	26.1	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	4384615	25.0	26.5	
148 1,2-Dibromo-3-Chloropropane	155	13.681	13.681	0.000	92	293449	25.0	29.1	
149 1,3,5-Trichlorobenzene	180	13.809	13.803	0.006	98	3642801	25.0	25.9	
150 1,2,4-Trichlorobenzene	180	14.235	14.235	0.000	94	3097155	25.0	27.1	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	96	1482860	25.0	25.2	
152 Naphthalene	128	14.418	14.418	0.000	96	5180801	25.0	28.7	
153 1,2,3-Trichlorobenzene	180	14.565	14.565	0.000	96	2474425	25.0	27.8	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	2496002	25.0	31.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00133

Amount Added: 25.00

Units: uL

MSV_LL_#2_826_00140

Amount Added: 25.00

Units: uL

MSV_LL_GAS826_00214

Amount Added: 25.00

Units: uL

MSV_HP25_ISSS_00090

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 17-Jun-2024 19:29:22

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Injection Date: 15-Jun-2024 00:45:30

Instrument ID: 10193

Operator ID: MEC29284

Lims ID: IC std7 25

Worklist Smp#: 19

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

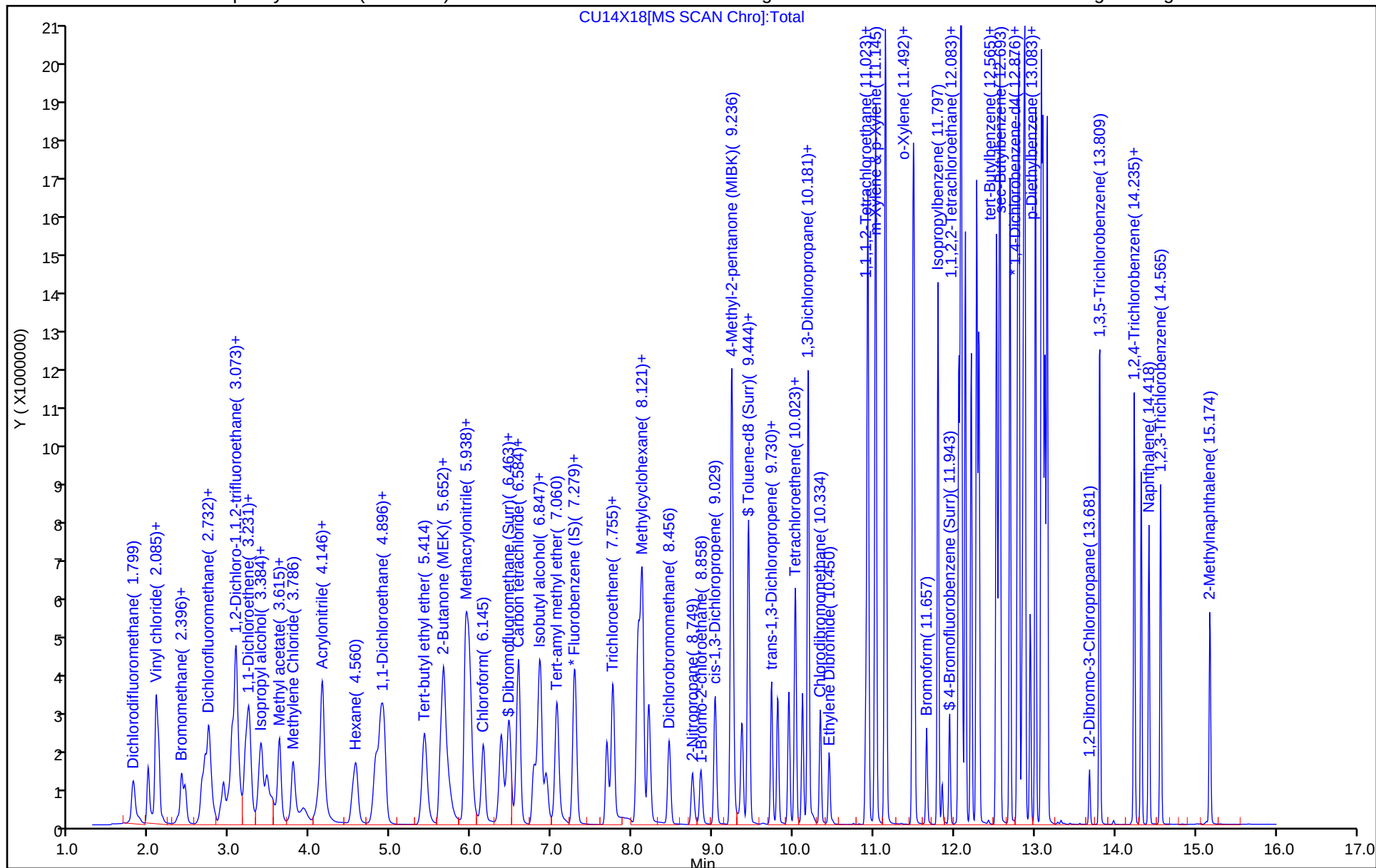
ALS Bottle#: 18

Method: MSV_10193_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



07/11/2024

Eurofins Lancaster Laboratories Environment Testing, LLC

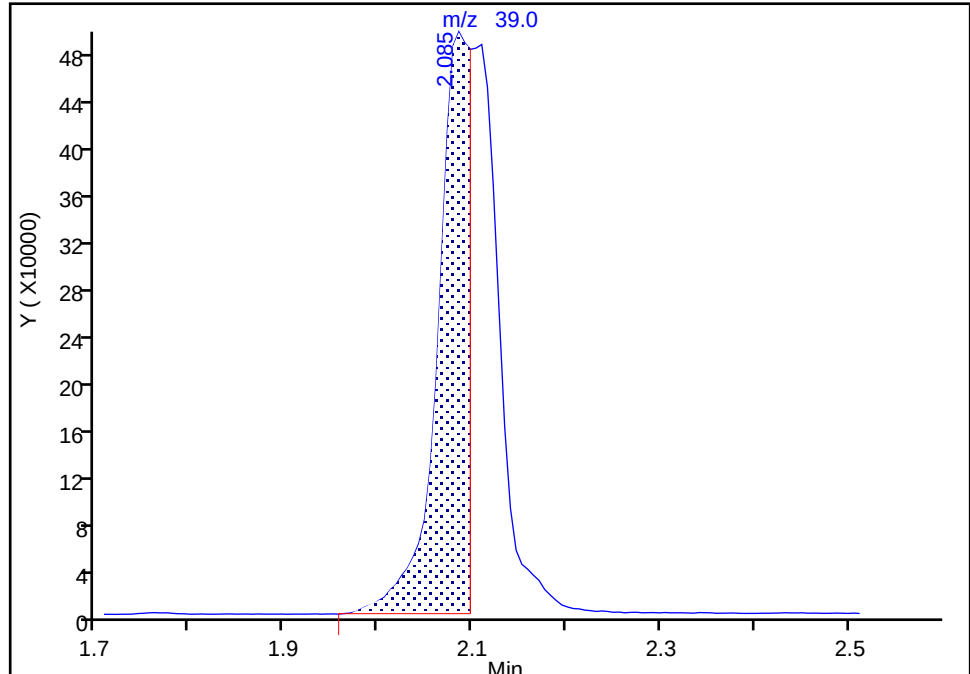
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Injection Date: 15-Jun-2024 00:45:30 Instrument ID: 10193
Lims ID: IC std7 25
Client ID:
Operator ID: MEC29284 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

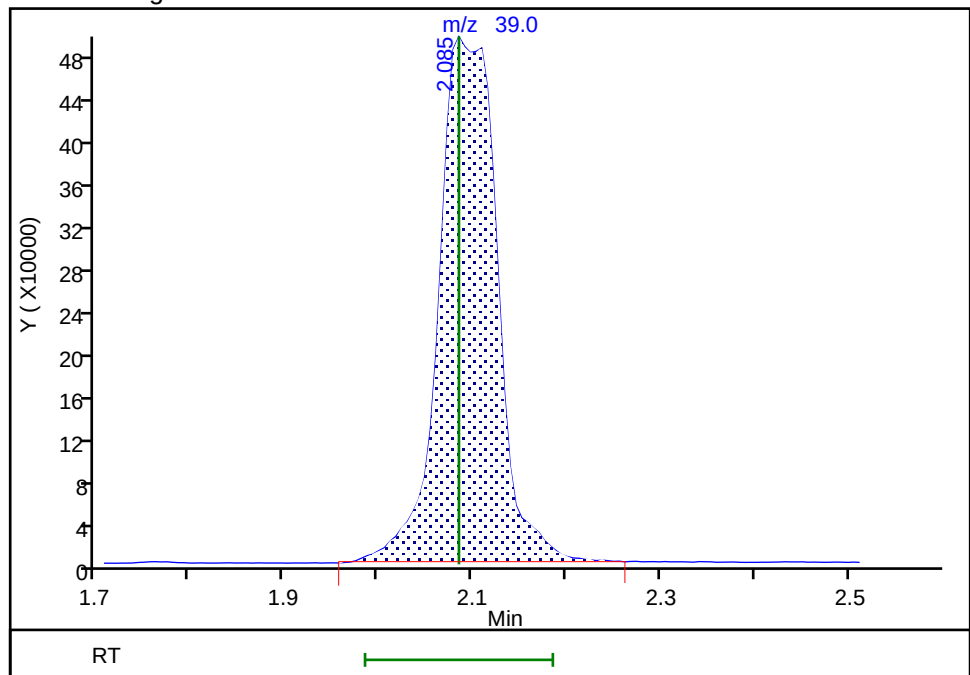
RT: 2.09
Area: 1222598
Amount: 14.774317
Amount Units: ug/l

Processing Integration Results



RT: 2.09
Area: 2161710
Amount: 24.532011
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:49:29 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

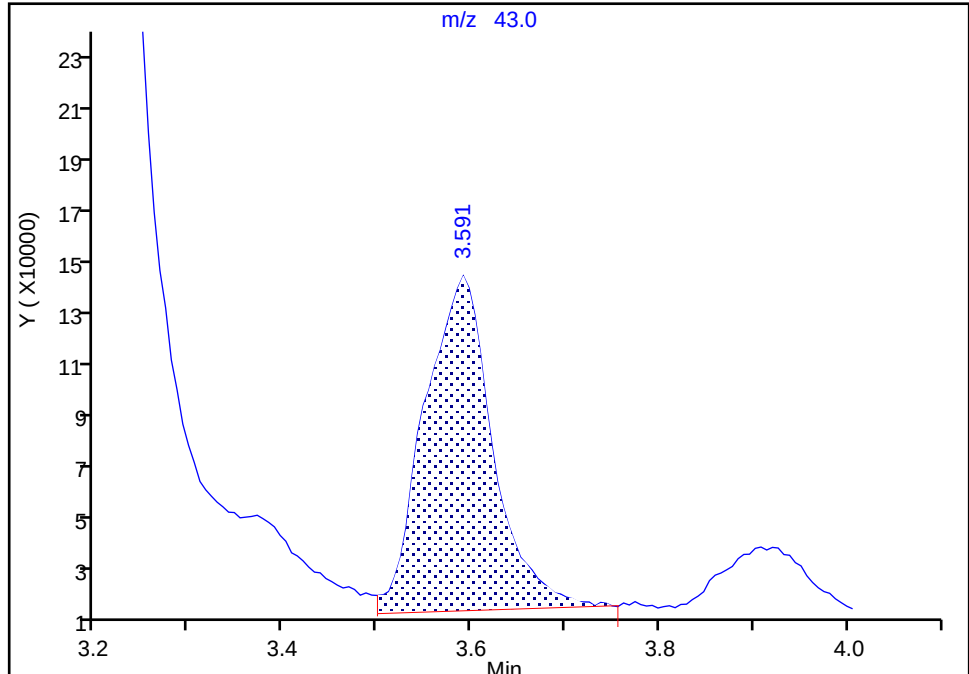
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Injection Date: 15-Jun-2024 00:45:30 Instrument ID: 10193
Lims ID: IC std7 25
Client ID:
Operator ID: MEC29284 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

26 Methyl acetate, CAS: 79-20-9

Signal: 1

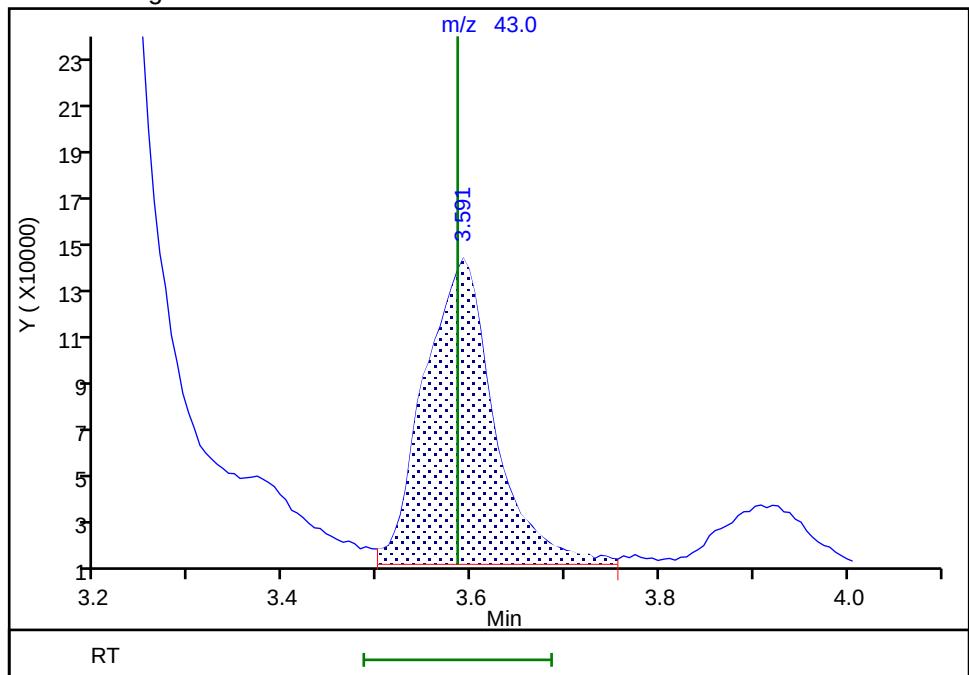
RT: 3.59
Area: 644697
Amount: 26.852312
Amount Units: ug/l

Processing Integration Results



RT: 3.59
Area: 648417
Amount: 24.206654
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:50:08 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

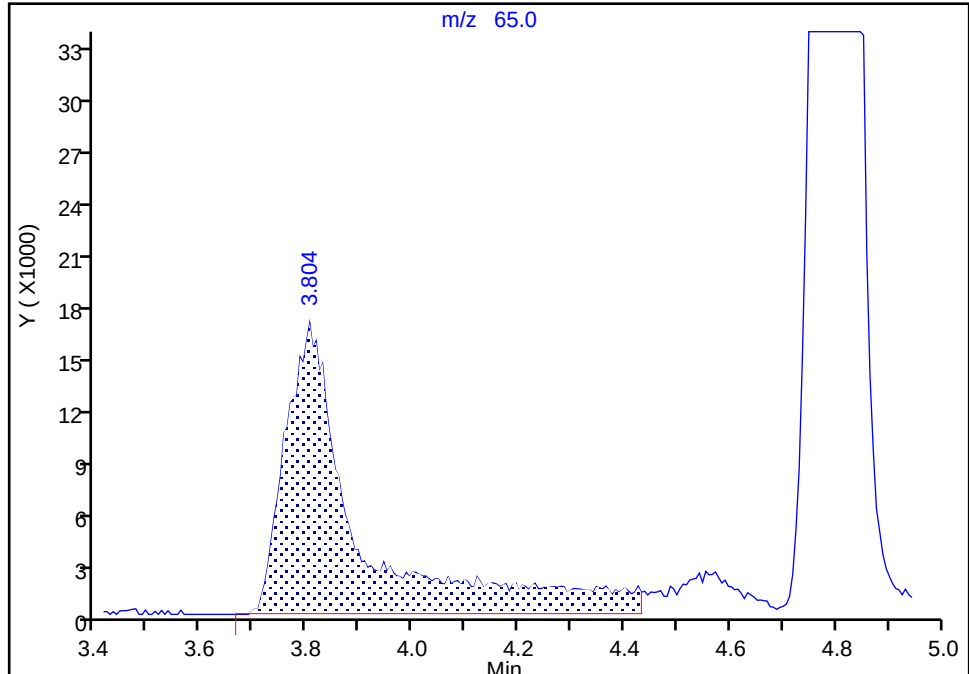
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Injection Date: 15-Jun-2024 00:45:30 Instrument ID: 10193
Lims ID: IC std7 25
Client ID:
Operator ID: MEC29284 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 31 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

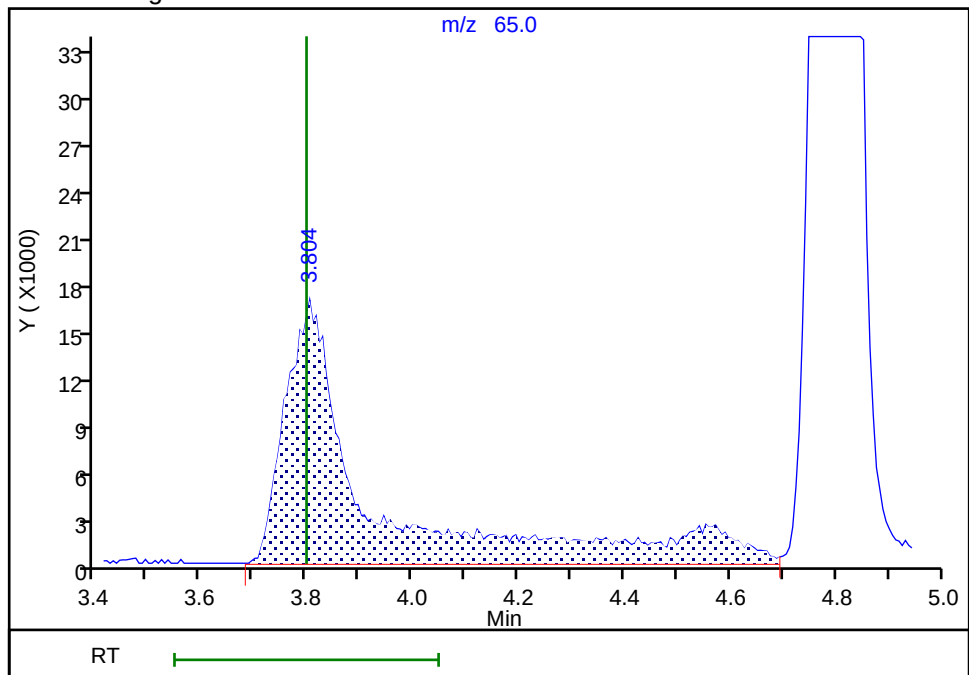
RT: 3.80
Area: 165669
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.80
Area: 188137
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 17-Jun-2024 19:14:47 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

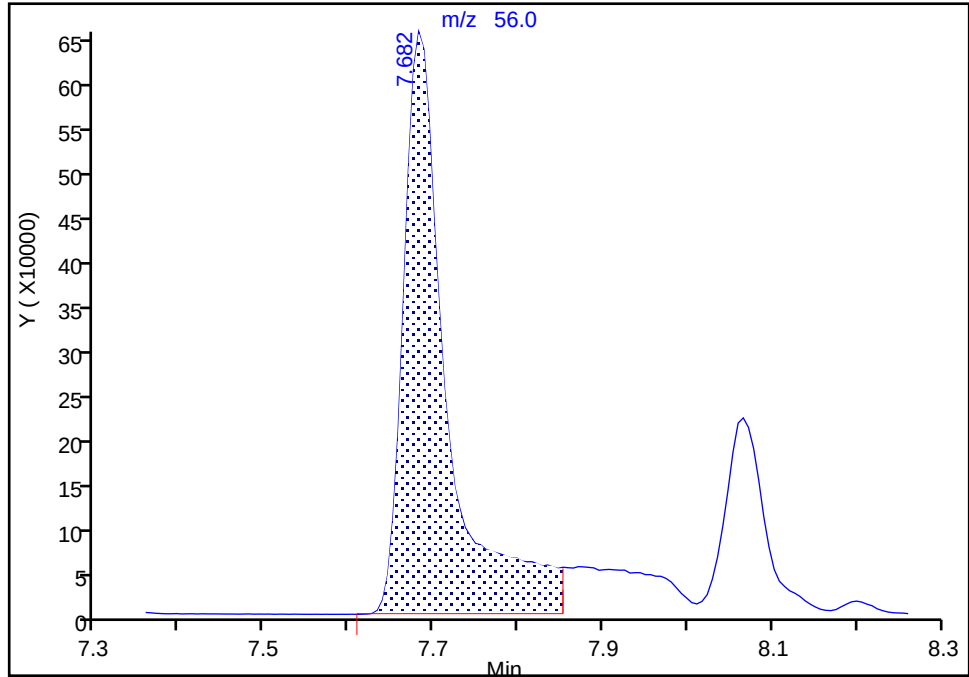
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Injection Date: 15-Jun-2024 00:45:30 Instrument ID: 10193
Lims ID: IC std7 25
Client ID:
Operator ID: MEC29284 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

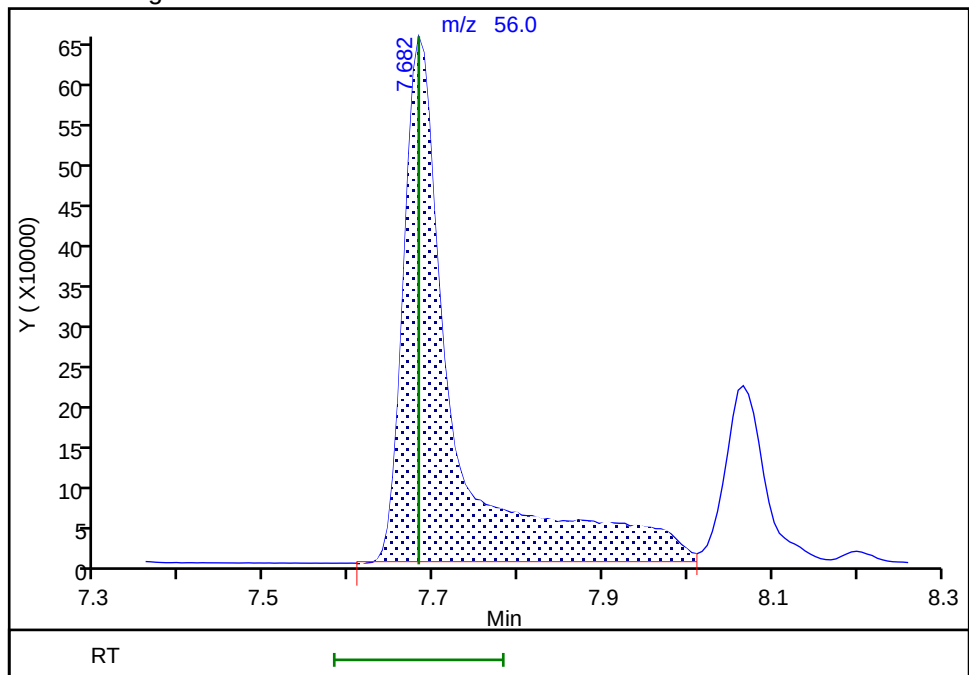
RT: 7.68
Area: 2380326
Amount: 2262.0766
Amount Units: ug/l

Processing Integration Results



RT: 7.68
Area: 2771268
Amount: 2310.4820
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:51:09 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

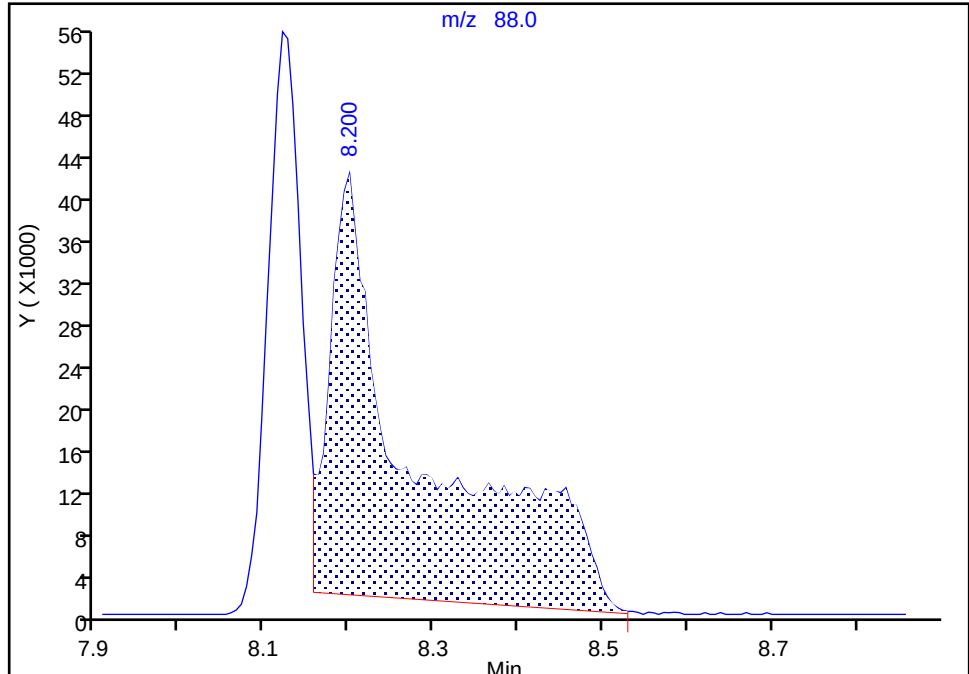
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Injection Date: 15-Jun-2024 00:45:30 Instrument ID: 10193
Lims ID: IC std7 25
Client ID:
Operator ID: MEC29284 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

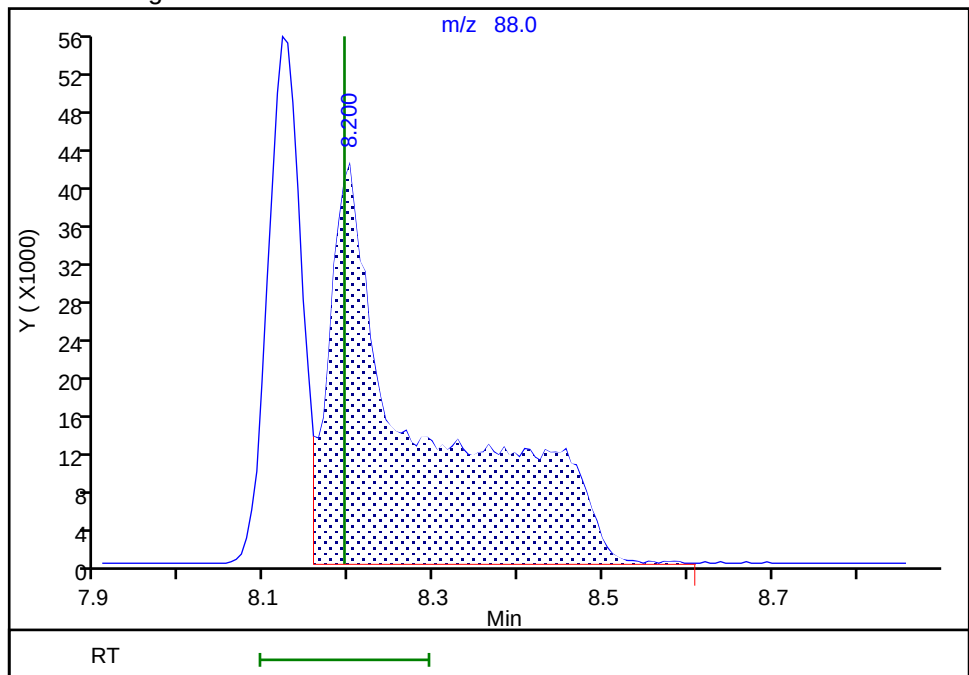
RT: 8.20
Area: 296297
Amount: 1423.5444
Amount Units: ug/l

Processing Integration Results



RT: 8.20
Area: 320840
Amount: 1363.1481
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 13:52:22 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Calibration

/ Dichlorodifluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

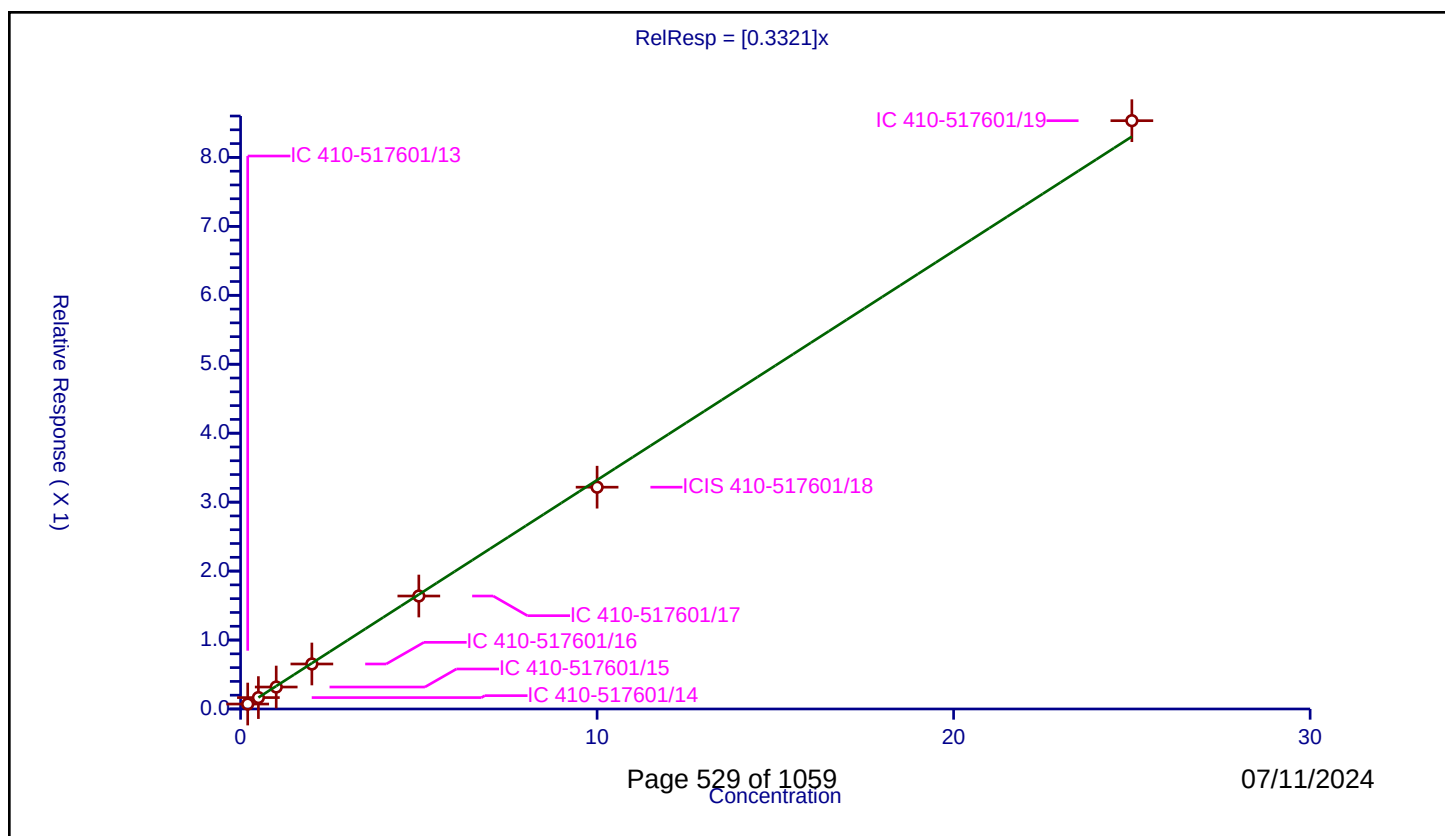
Curve Coefficients

Intercept: 0
Slope: 0.3321

Error Coefficients

Relative Standard Deviation: 4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.071697	10.0	2259919.0	0.358486	Y
2	IC 410-517601/14	0.5	0.16528	10.0	2249339.0	0.330559	Y
3	IC 410-517601/15	1.0	0.318332	10.0	2225227.0	0.318332	Y
4	IC 410-517601/16	2.0	0.65274	10.0	2217927.0	0.32637	Y
5	IC 410-517601/17	5.0	1.638295	10.0	2250394.0	0.327659	Y
6	ICIS 410-517601/18	10.0	3.216951	10.0	2282400.0	0.321695	Y
7	IC 410-517601/19	25.0	8.532427	10.0	2233108.0	0.341297	Y



Calibration

/ Chloromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

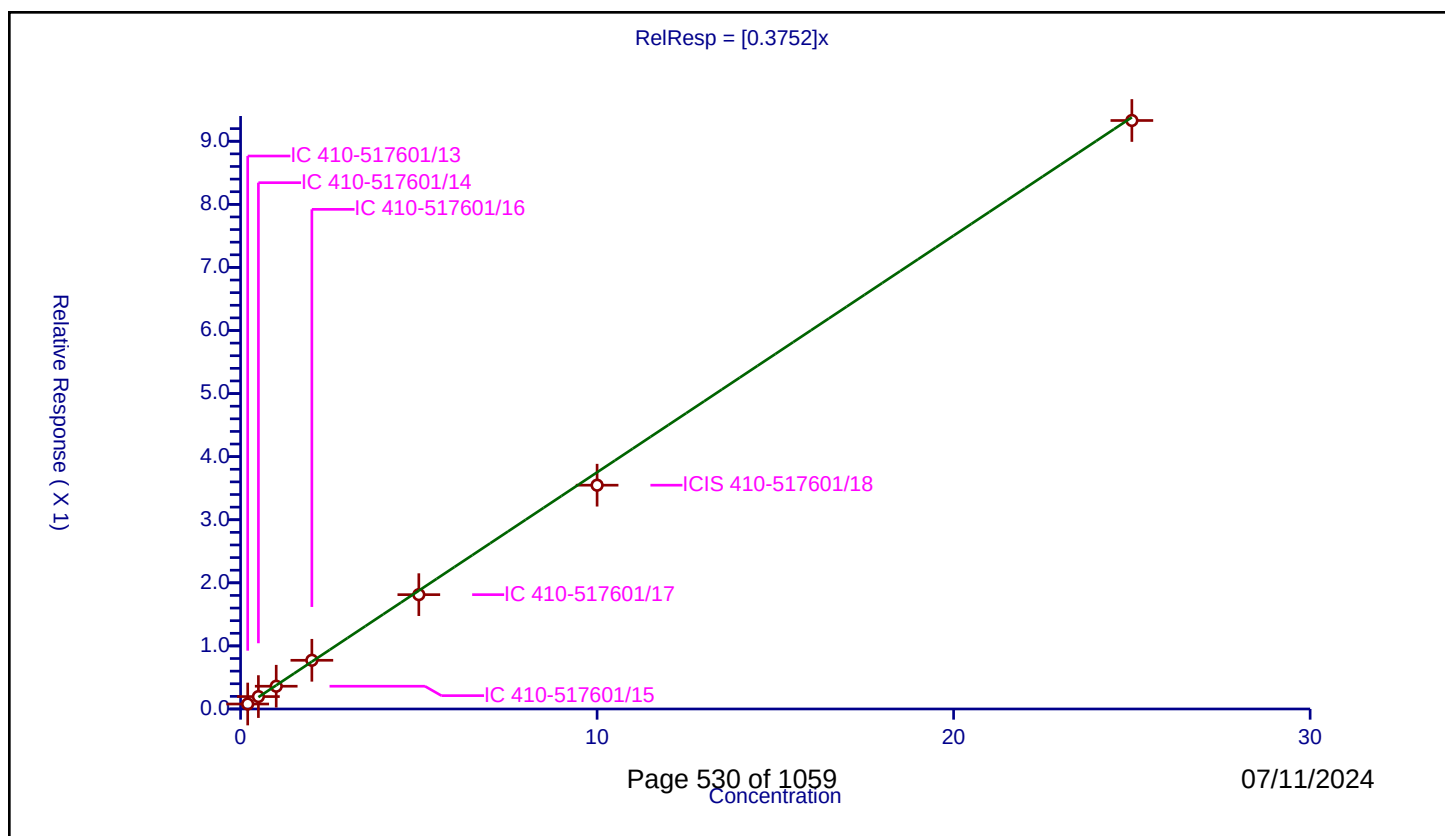
Curve Coefficients

Intercept: 0
Slope: 0.3752

Error Coefficients

Relative Standard Deviation: 4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.078976	10.0	2259919.0	0.394881	Y
2	IC 410-517601/14	0.5	0.196973	10.0	2249339.0	0.393947	Y
3	IC 410-517601/15	1.0	0.360885	10.0	2225227.0	0.360885	Y
4	IC 410-517601/16	2.0	0.772275	10.0	2217927.0	0.386138	Y
5	IC 410-517601/17	5.0	1.812265	10.0	2250394.0	0.362453	Y
6	ICIS 410-517601/18	10.0	3.547893	10.0	2282400.0	0.354789	Y
7	IC 410-517601/19	25.0	9.328926	10.0	2233108.0	0.373157	Y



Calibration

/ Vinyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

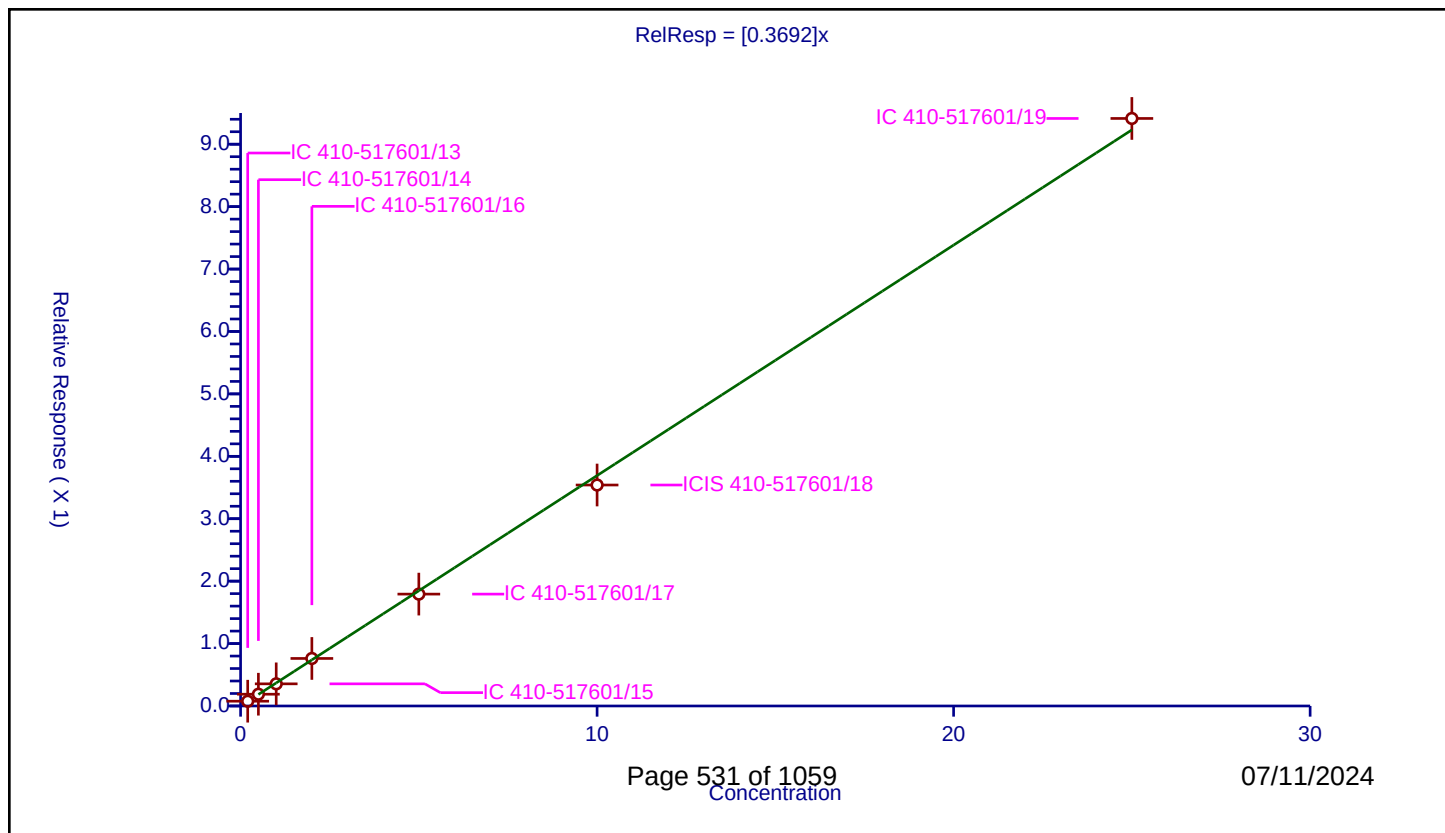
Curve Coefficients

Intercept: 0
Slope: 0.3692

Error Coefficients

Relative Standard Deviation: 3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.076543	10.0	2259919.0	0.382713	Y
2	IC 410-517601/14	0.5	0.188451	10.0	2249339.0	0.376902	Y
3	IC 410-517601/15	1.0	0.354957	10.0	2225227.0	0.354957	Y
4	IC 410-517601/16	2.0	0.761427	10.0	2217927.0	0.380714	Y
5	IC 410-517601/17	5.0	1.792508	10.0	2250394.0	0.358502	Y
6	ICIS 410-517601/18	10.0	3.540326	10.0	2282400.0	0.354033	Y
7	IC 410-517601/19	25.0	9.412689	10.0	2233108.0	0.376508	Y

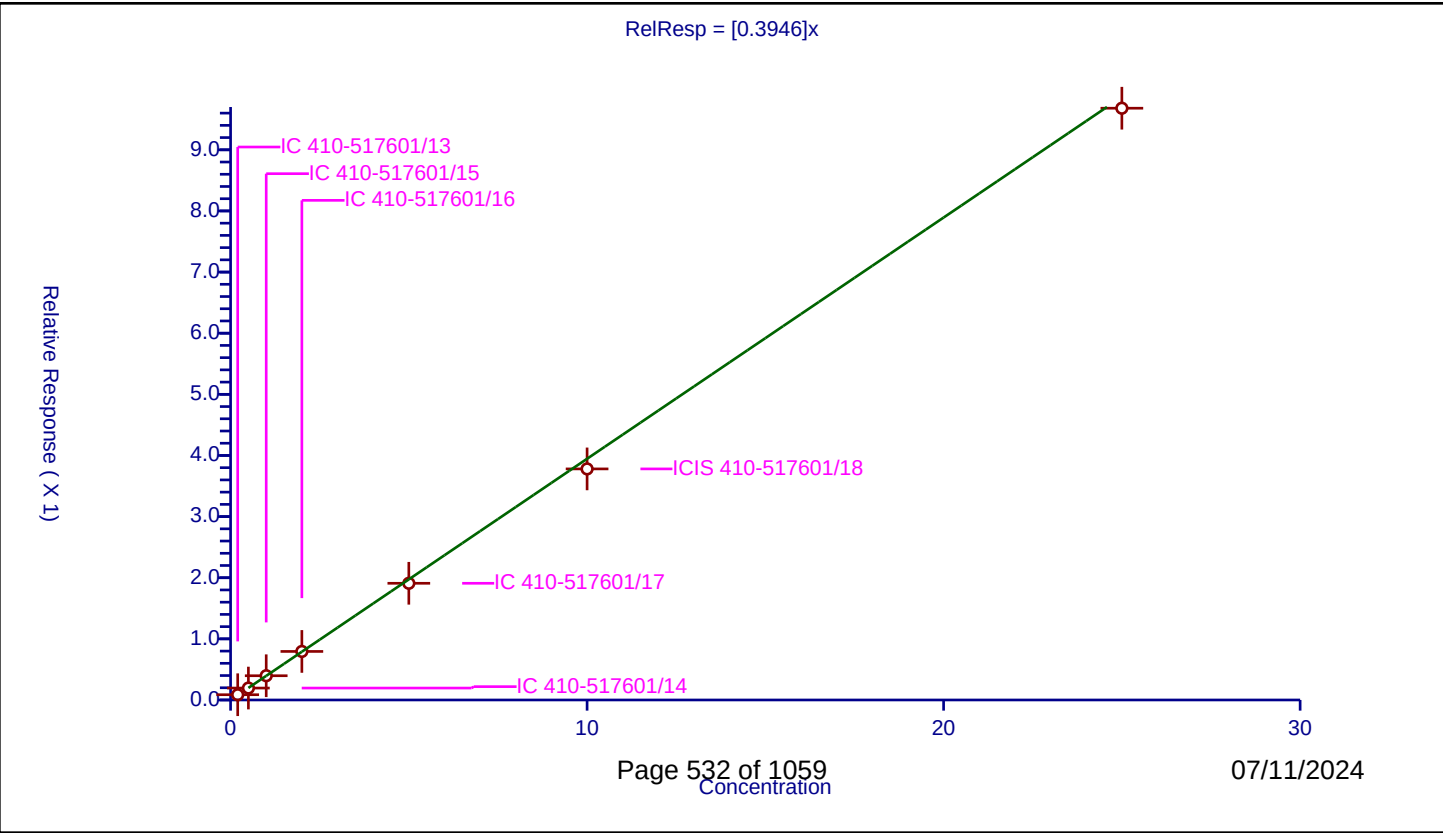


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3946
Error Coefficients	

Relative Standard Deviation: 4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.086118	10.0	2259919.0	0.430591	Y
2	IC 410-517601/14	0.5	0.195266	10.0	2249339.0	0.390533	Y
3	IC 410-517601/15	1.0	0.396921	10.0	2225227.0	0.396921	Y
4	IC 410-517601/16	2.0	0.794282	10.0	2217927.0	0.397141	Y
5	IC 410-517601/17	5.0	1.908946	10.0	2250394.0	0.381789	Y
6	ICIS 410-517601/18	10.0	3.779982	10.0	2282400.0	0.377998	Y
7	IC 410-517601/19	25.0	9.680275	10.0	2233108.0	0.387211	Y



Calibration

/ Bromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

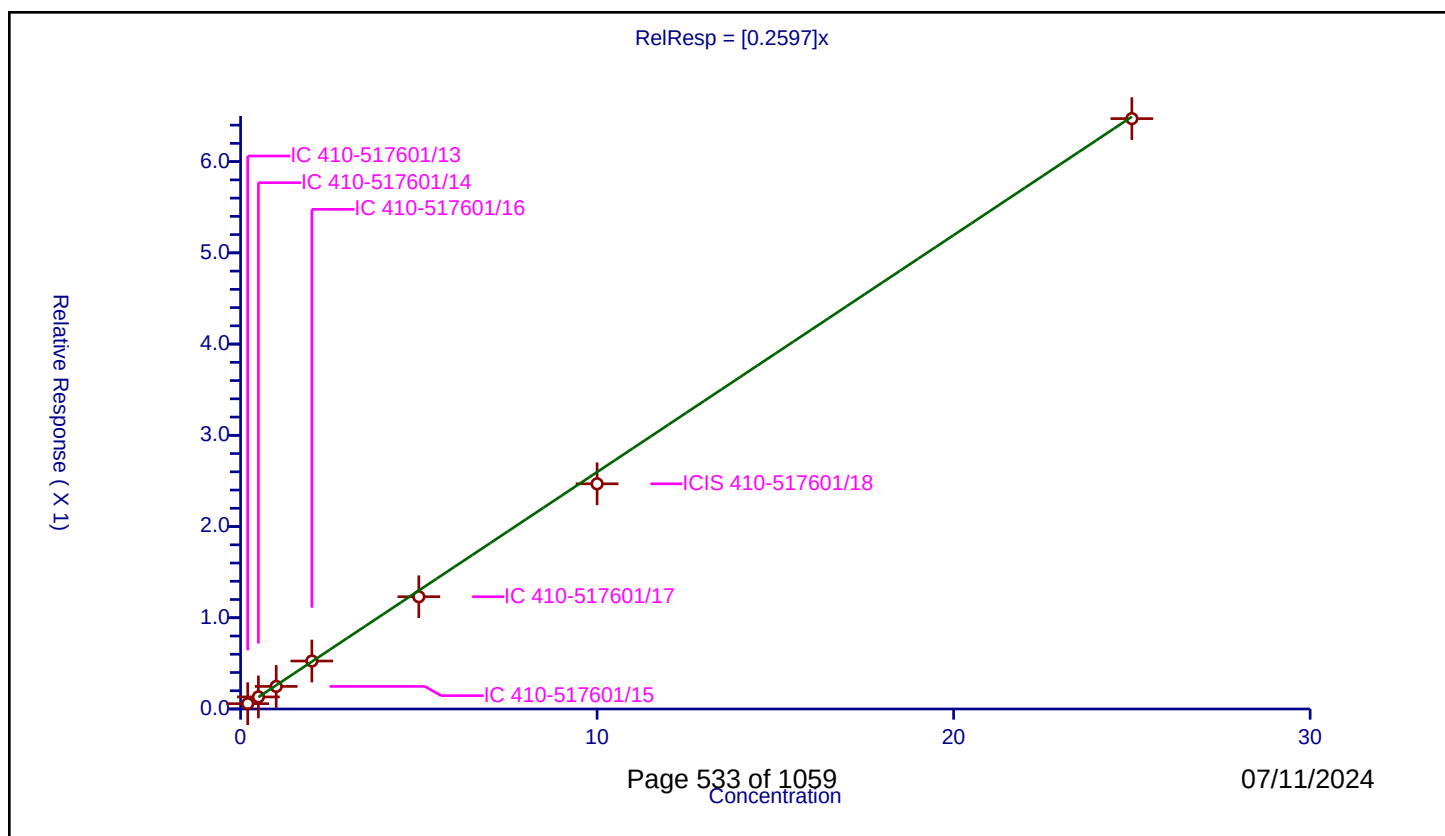
Curve Coefficients

Intercept: 0
Slope: 0.2597

Error Coefficients

Relative Standard Deviation: 6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.05821	10.0	2259919.0	0.29105	Y
2	IC 410-517601/14	0.5	0.132332	10.0	2249339.0	0.264664	Y
3	IC 410-517601/15	1.0	0.247521	10.0	2225227.0	0.247521	Y
4	IC 410-517601/16	2.0	0.525626	10.0	2217927.0	0.262813	Y
5	IC 410-517601/17	5.0	1.230687	10.0	2250394.0	0.246137	Y
6	ICIS 410-517601/18	10.0	2.468402	10.0	2282400.0	0.24684	Y
7	IC 410-517601/19	25.0	6.471232	10.0	2233108.0	0.258849	Y



Calibration

/ Chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

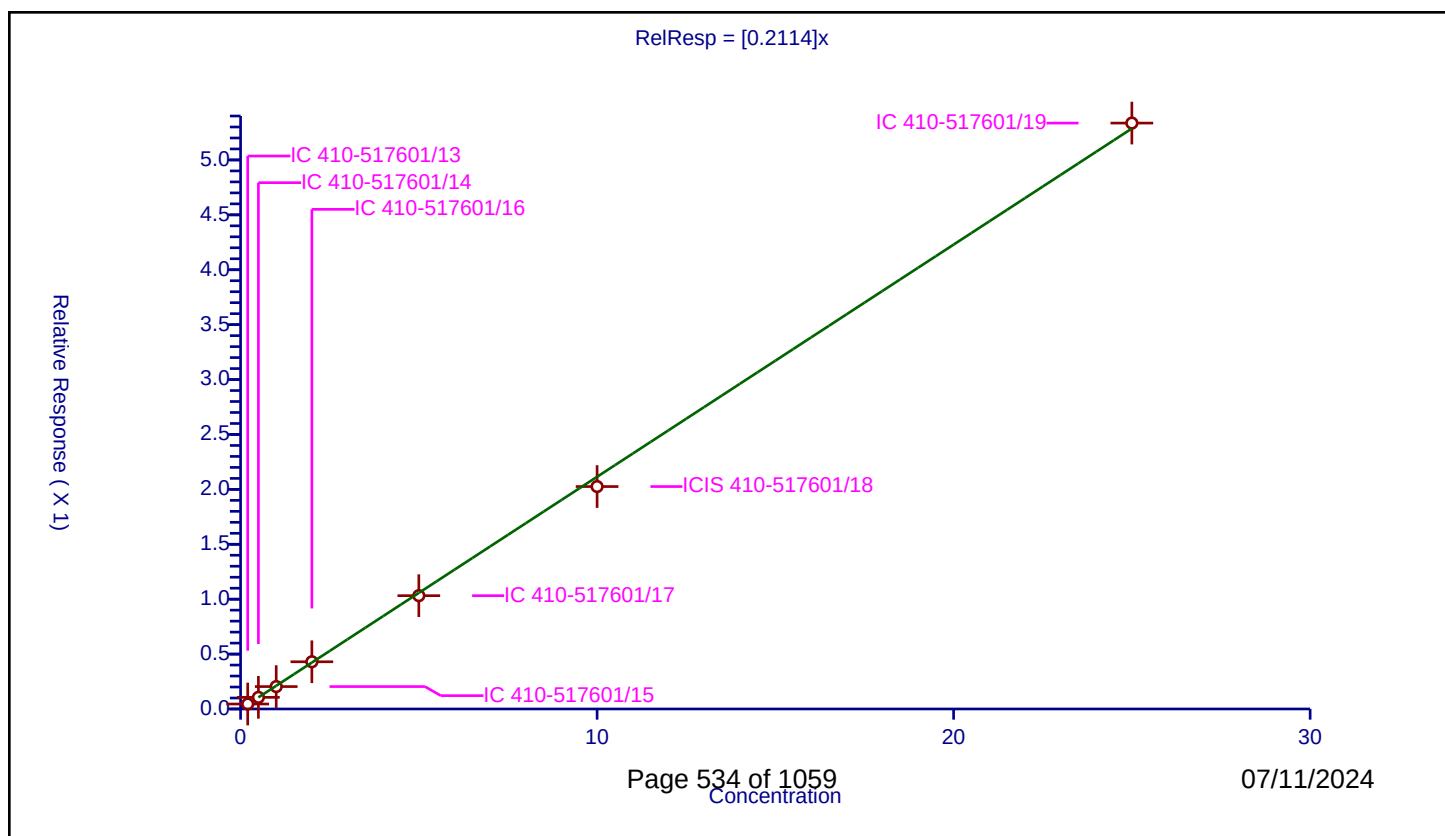
Curve Coefficients

Intercept: 0
Slope: 0.2114

Error Coefficients

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.045303	10.0	2259919.0	0.226513	Y
2	IC 410-517601/14	0.5	0.106058	10.0	2249339.0	0.212116	Y
3	IC 410-517601/15	1.0	0.204092	10.0	2225227.0	0.204092	Y
4	IC 410-517601/16	2.0	0.430055	10.0	2217927.0	0.215027	Y
5	IC 410-517601/17	5.0	1.031975	10.0	2250394.0	0.206395	Y
6	ICIS 410-517601/18	10.0	2.025723	10.0	2282400.0	0.202572	Y
7	IC 410-517601/19	25.0	5.33555	10.0	2233108.0	0.213422	Y



Calibration

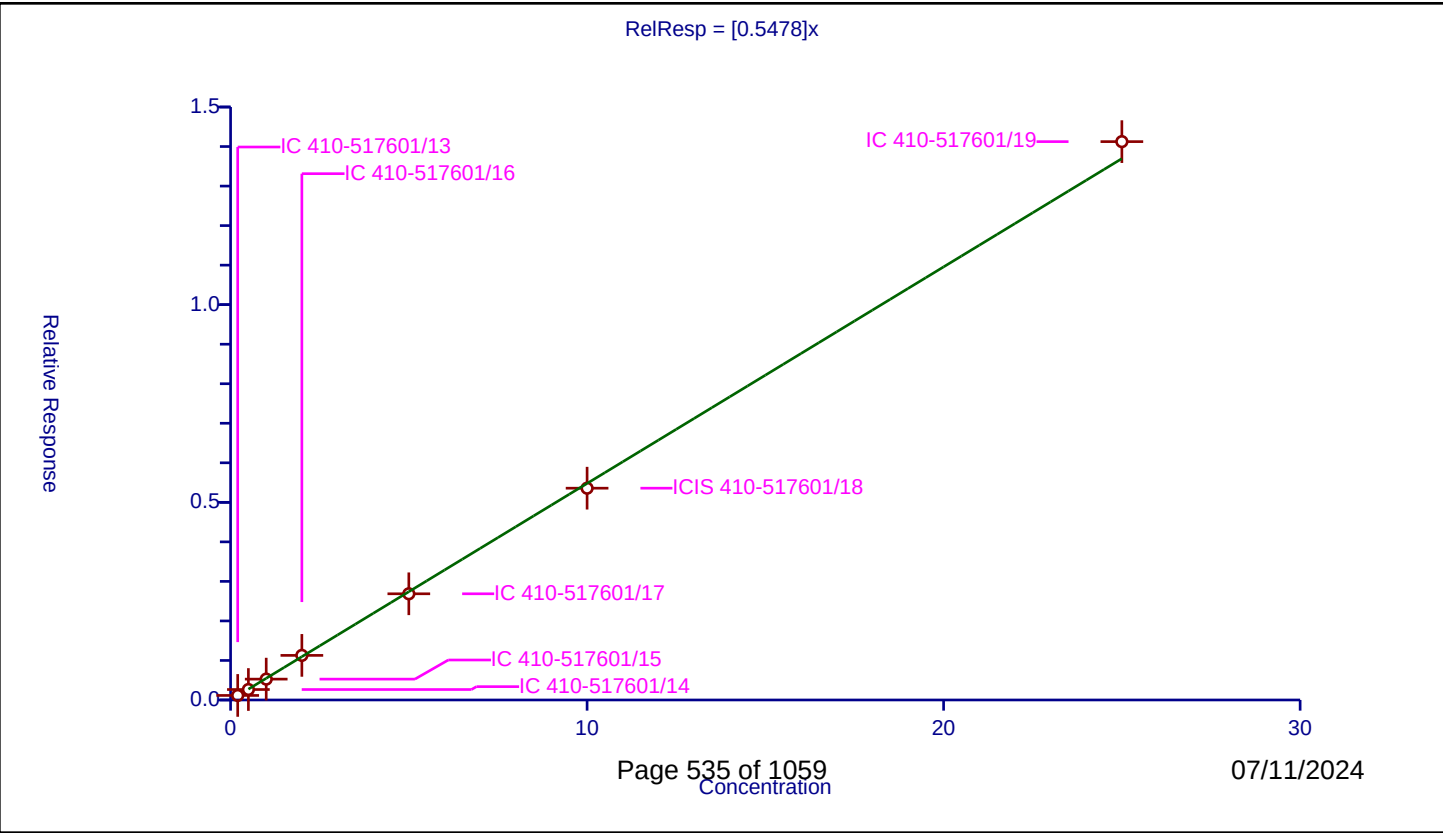
/ Dichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5478
Error Coefficients	

Relative Standard Deviation: 3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.114973	10.0	2259919.0	0.574866	Y
2	IC 410-517601/14	0.5	0.264971	10.0	2249339.0	0.529942	Y
3	IC 410-517601/15	1.0	0.527627	10.0	2225227.0	0.527627	Y
4	IC 410-517601/16	2.0	1.128193	10.0	2217927.0	0.564097	Y
5	IC 410-517601/17	5.0	2.68613	10.0	2250394.0	0.537226	Y
6	ICIS 410-517601/18	10.0	5.357654	10.0	2282400.0	0.535765	Y
7	IC 410-517601/19	25.0	14.124637	10.0	2233108.0	0.564985	Y



Calibration

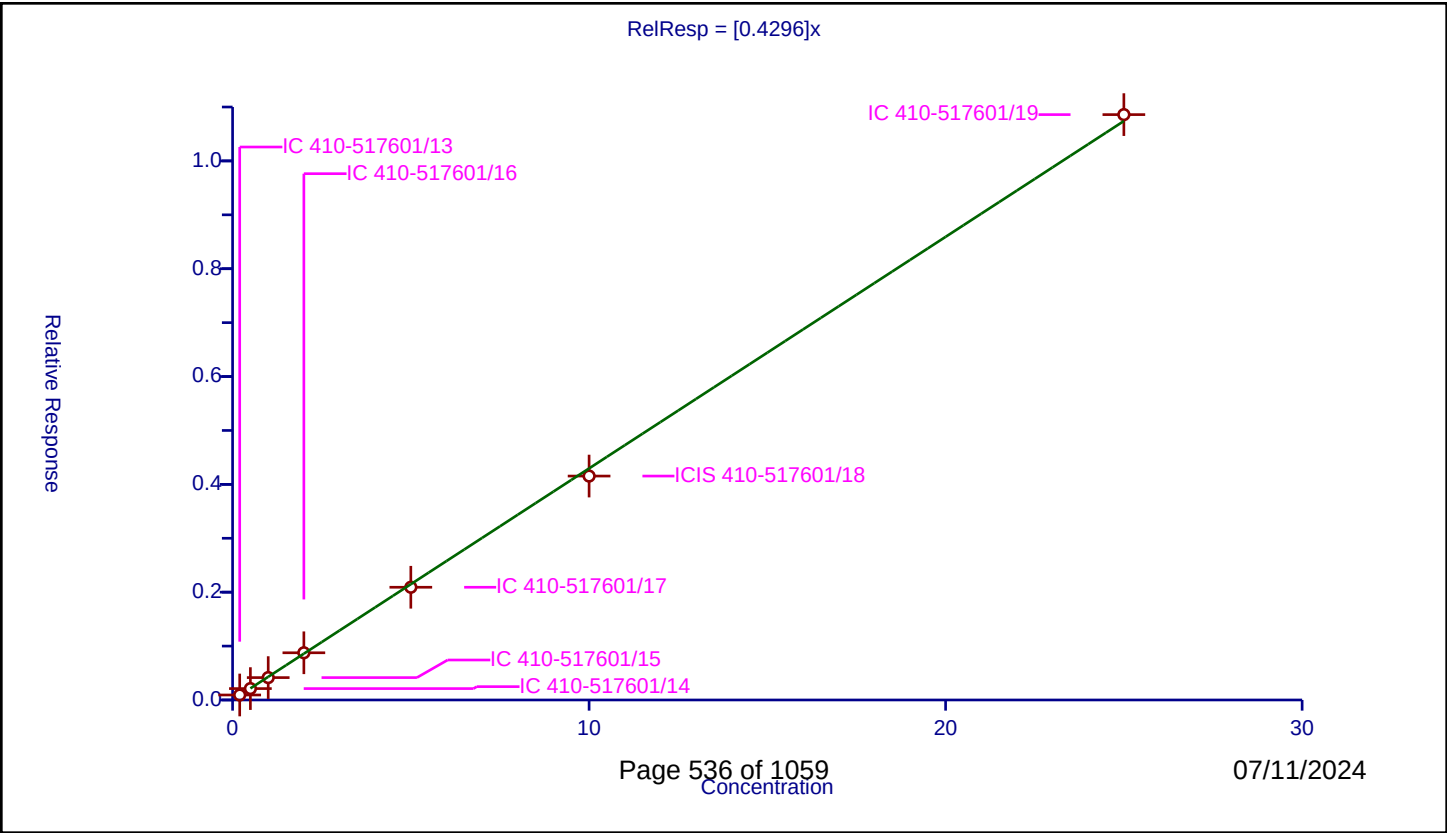
/ Trichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4296
Error Coefficients	

Relative Standard Deviation: 4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.092583	10.0	2259919.0	0.462915	Y
2	IC 410-517601/14	0.5	0.211391	10.0	2249339.0	0.422782	Y
3	IC 410-517601/15	1.0	0.415513	10.0	2225227.0	0.415513	Y
4	IC 410-517601/16	2.0	0.875809	10.0	2217927.0	0.437904	Y
5	IC 410-517601/17	5.0	2.091029	10.0	2250394.0	0.418206	Y
6	ICIS 410-517601/18	10.0	4.153891	10.0	2282400.0	0.415389	Y
7	IC 410-517601/19	25.0	10.858785	10.0	2233108.0	0.434351	Y



Calibration

/ Ethyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

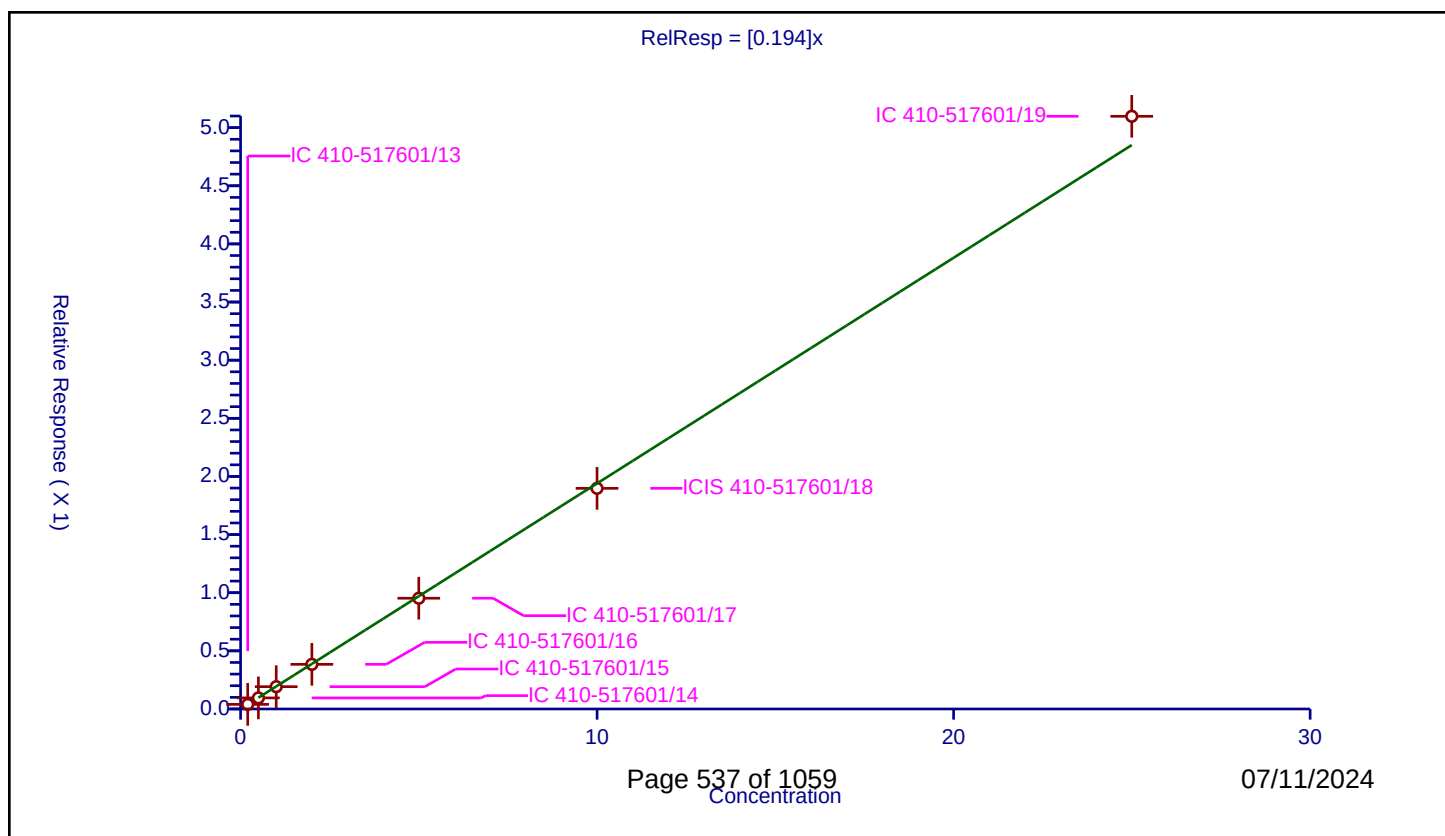
Curve Coefficients

Intercept: 0
Slope: 0.194

Error Coefficients

Relative Standard Deviation: 2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.199979	0.039869	10.0	2259919.0	0.199364	Y
2	IC 410-517601/14	0.499948	0.095321	10.0	2249339.0	0.190662	Y
3	IC 410-517601/15	0.999897	0.191909	10.0	2225227.0	0.191928	Y
4	IC 410-517601/16	1.999794	0.383935	10.0	2217927.0	0.191987	Y
5	IC 410-517601/17	4.999484	0.95258	10.0	2250394.0	0.190536	Y
6	ICIS 410-517601/18	9.998968	1.897779	10.0	2282400.0	0.189797	Y
7	IC 410-517601/19	24.99742	5.097519	10.0	2233108.0	0.203922	Y



Calibration

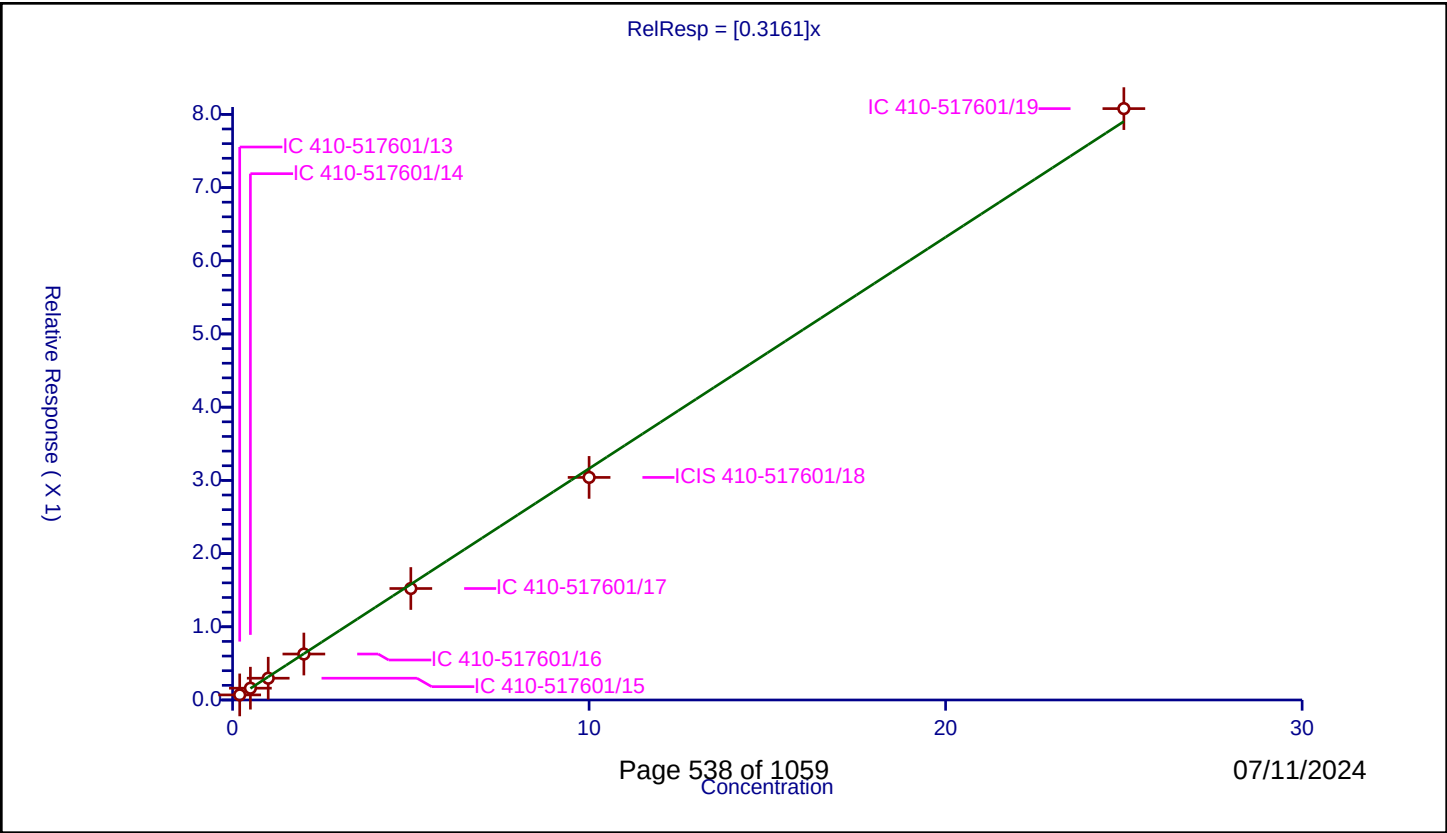
/ 1,2-Dichloro-1,1,2-trifluoroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3161
Error Coefficients	

Relative Standard Deviation: 5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.069489	10.0	2259919.0	0.347446	Y
2	IC 410-517601/14	0.5	0.16111	10.0	2249339.0	0.322219	Y
3	IC 410-517601/15	1.0	0.297484	10.0	2225227.0	0.297484	Y
4	IC 410-517601/16	2.0	0.627721	10.0	2217927.0	0.313861	Y
5	IC 410-517601/17	5.0	1.522738	10.0	2250394.0	0.304548	Y
6	ICIS 410-517601/18	10.0	3.040436	10.0	2282400.0	0.304044	Y
7	IC 410-517601/19	25.0	8.078199	10.0	2233108.0	0.323128	Y



Calibration

/ Acrolein

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

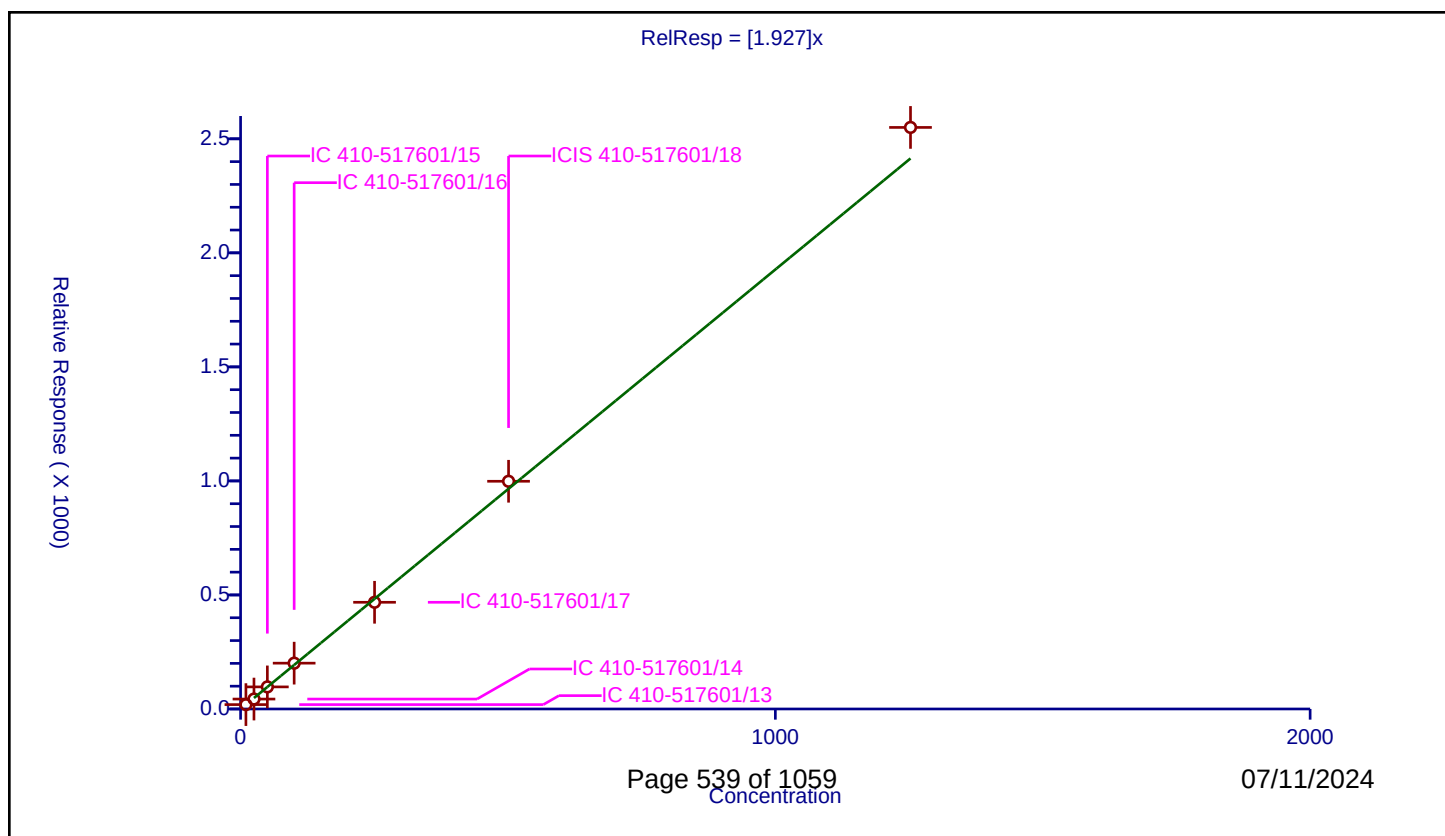
Curve Coefficients

Intercept: 0
Slope: 1.927

Error Coefficients

Relative Standard Deviation: 5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	10.021996	19.212077	50.0	173659.0	1.916991	Y
2	IC 410-517601/14	25.054991	43.552239	50.0	188422.0	1.738266	Y
3	IC 410-517601/15	50.109981	96.875112	50.0	167862.0	1.93325	Y
4	IC 410-517601/16	100.219963	200.888863	50.0	164311.0	2.00448	Y
5	IC 410-517601/17	250.549907	467.859	50.0	180780.0	1.867329	Y
6	ICIS 410-517601/18	501.099813	998.459716	50.0	188699.0	1.992537	Y
7	IC 410-517601/19	1252.749533	2549.989369	50.0	188137.0	2.035514	Y



Calibration

/ 1,1-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

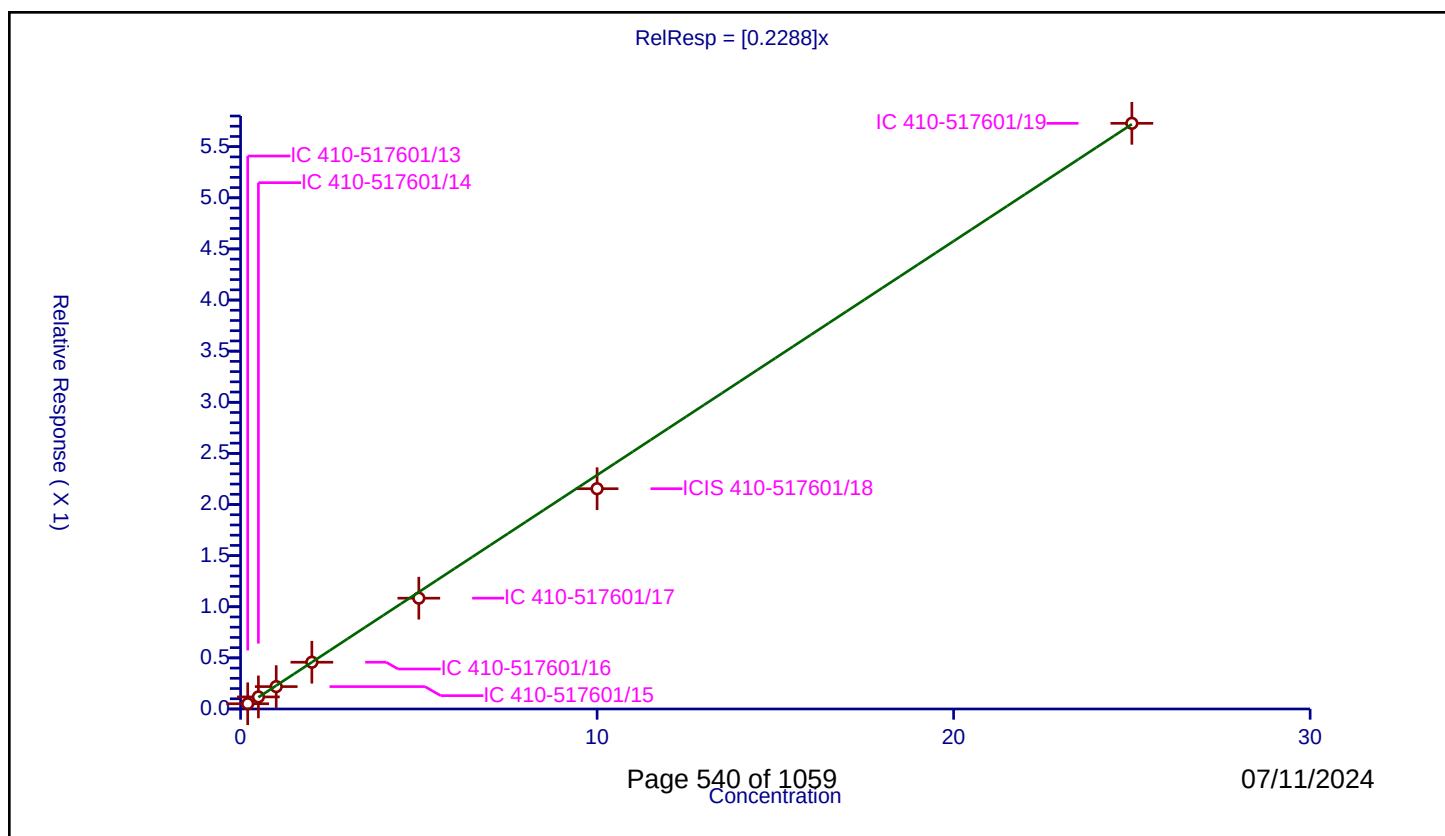
Curve Coefficients

Intercept: 0
Slope: 0.2288

Error Coefficients

Relative Standard Deviation: 6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.051307	10.0	2259919.0	0.256536	Y
2	IC 410-517601/14	0.5	0.117972	10.0	2249339.0	0.235945	Y
3	IC 410-517601/15	1.0	0.218989	10.0	2225227.0	0.218989	Y
4	IC 410-517601/16	2.0	0.457468	10.0	2217927.0	0.228734	Y
5	IC 410-517601/17	5.0	1.083926	10.0	2250394.0	0.216785	Y
6	ICIS 410-517601/18	10.0	2.154517	10.0	2282400.0	0.215452	Y
7	IC 410-517601/19	25.0	5.728505	10.0	2233108.0	0.22914	Y



Calibration

/ Acetone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

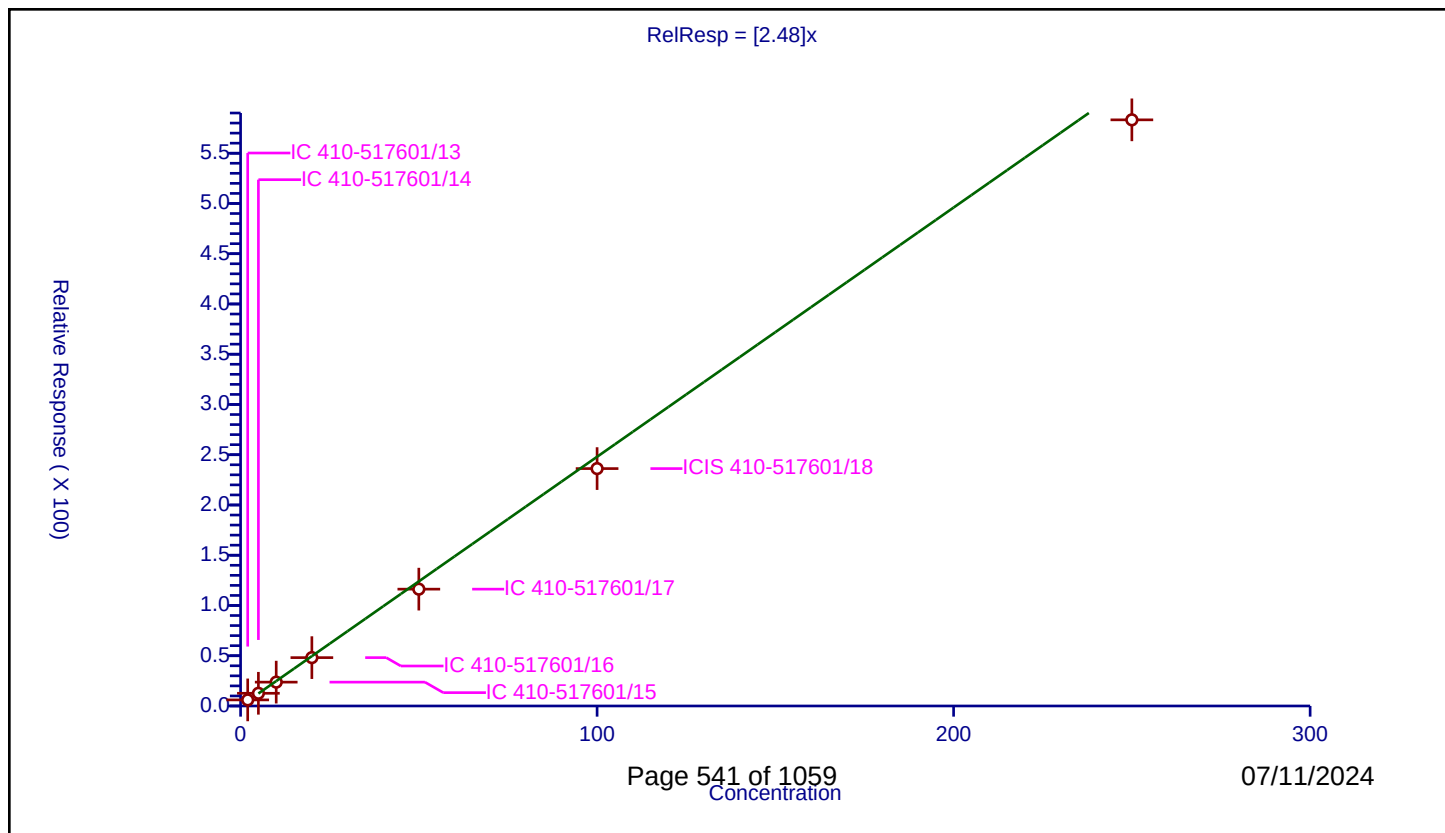
Curve Coefficients

Intercept: 0
Slope: 2.48

Error Coefficients

Relative Standard Deviation: 10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	2.0	6.06188	50.0	173659.0	3.03094	Y
2	IC 410-517601/14	5.0	12.641305	50.0	188422.0	2.528261	Y
3	IC 410-517601/15	10.0	23.723654	50.0	167862.0	2.372365	Y
4	IC 410-517601/16	20.0	48.123071	50.0	164311.0	2.406154	Y
5	IC 410-517601/17	50.0	116.252351	50.0	180780.0	2.325047	Y
6	ICIS 410-517601/18	100.0	236.206339	50.0	188699.0	2.362063	Y
7	IC 410-517601/19	250.0	583.214094	50.0	188137.0	2.332856	Y



Calibration

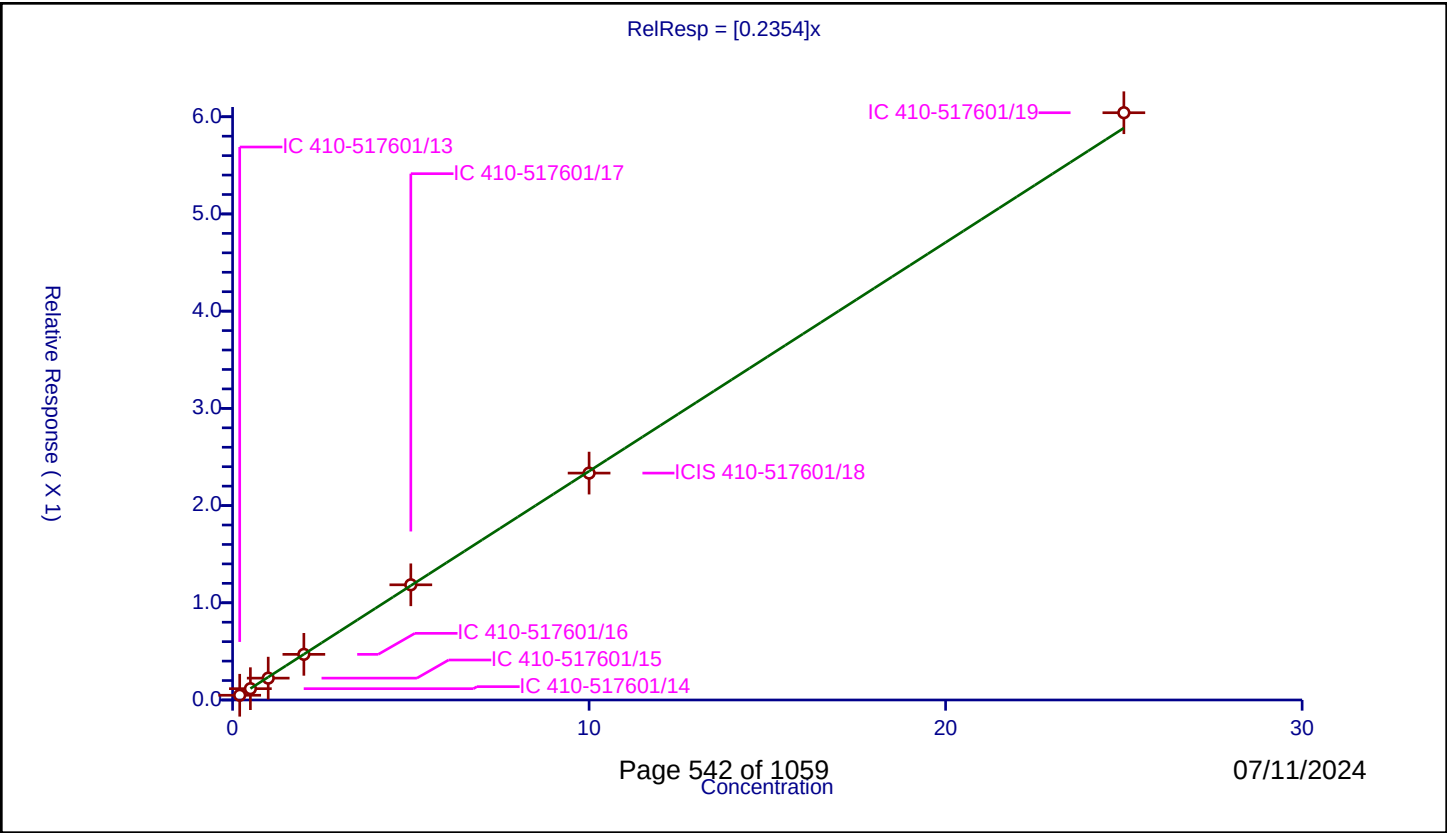
/ 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2354
Error Coefficients	

Relative Standard Deviation: 2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.04863	10.0	2259919.0	0.24315	Y
2	IC 410-517601/14	0.5	0.116385	10.0	2249339.0	0.232771	Y
3	IC 410-517601/15	1.0	0.224701	10.0	2225227.0	0.224701	Y
4	IC 410-517601/16	2.0	0.469601	10.0	2217927.0	0.2348	Y
5	IC 410-517601/17	5.0	1.185055	10.0	2250394.0	0.237011	Y
6	ICIS 410-517601/18	10.0	2.334039	10.0	2282400.0	0.233404	Y
7	IC 410-517601/19	25.0	6.041226	10.0	2233108.0	0.241649	Y



Calibration

/ Iodomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

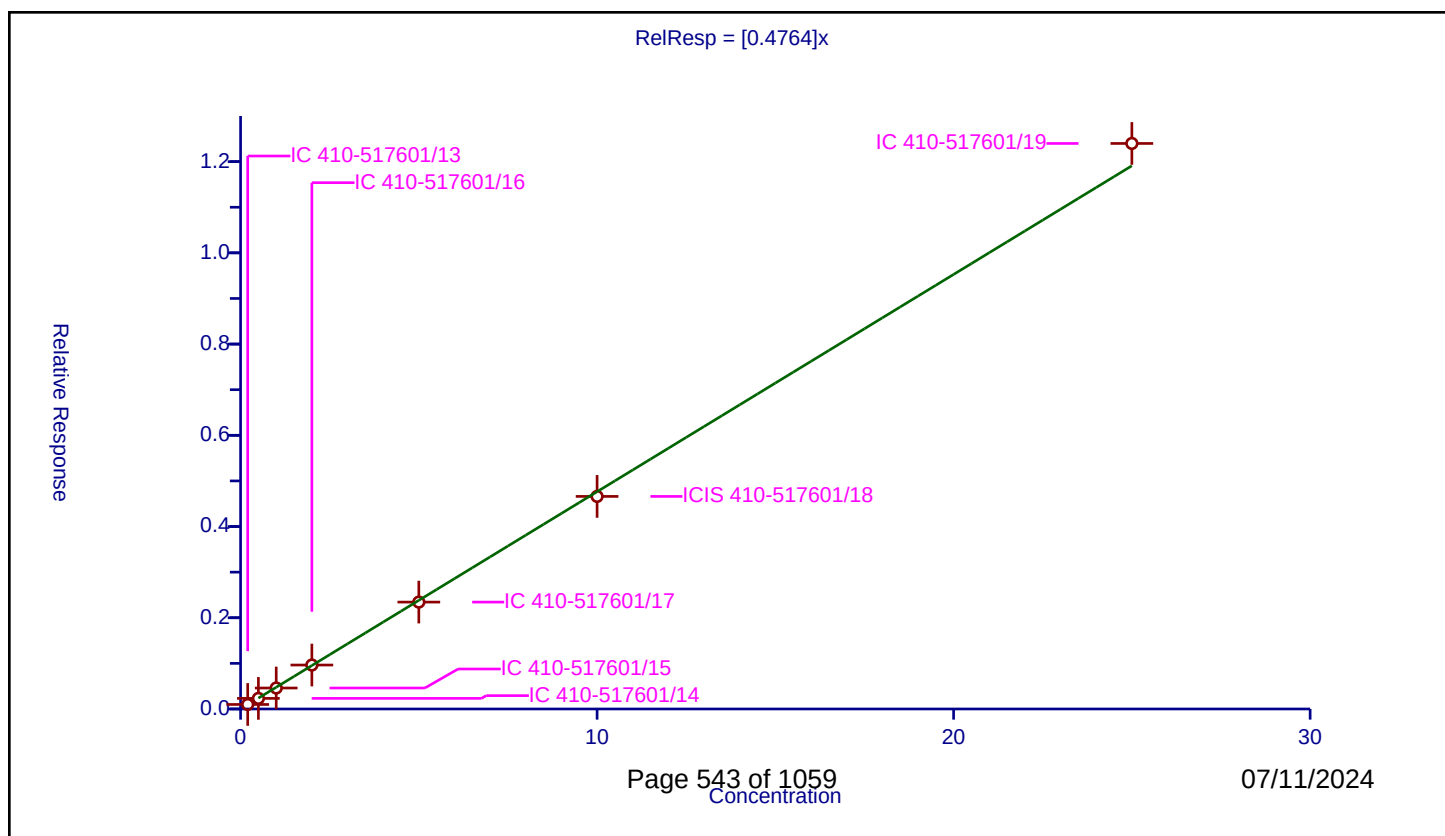
Curve Coefficients

Intercept: 0
Slope: 0.4764

Error Coefficients

Relative Standard Deviation: 3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.099358	10.0	2259919.0	0.496788	Y
2	IC 410-517601/14	0.5	0.232588	10.0	2249339.0	0.465177	Y
3	IC 410-517601/15	1.0	0.459958	10.0	2225227.0	0.459958	Y
4	IC 410-517601/16	2.0	0.963936	10.0	2217927.0	0.481968	Y
5	IC 410-517601/17	5.0	2.34331	10.0	2250394.0	0.468662	Y
6	ICIS 410-517601/18	10.0	4.660147	10.0	2282400.0	0.466015	Y
7	IC 410-517601/19	25.0	12.398509	10.0	2233108.0	0.49594	Y



Calibration

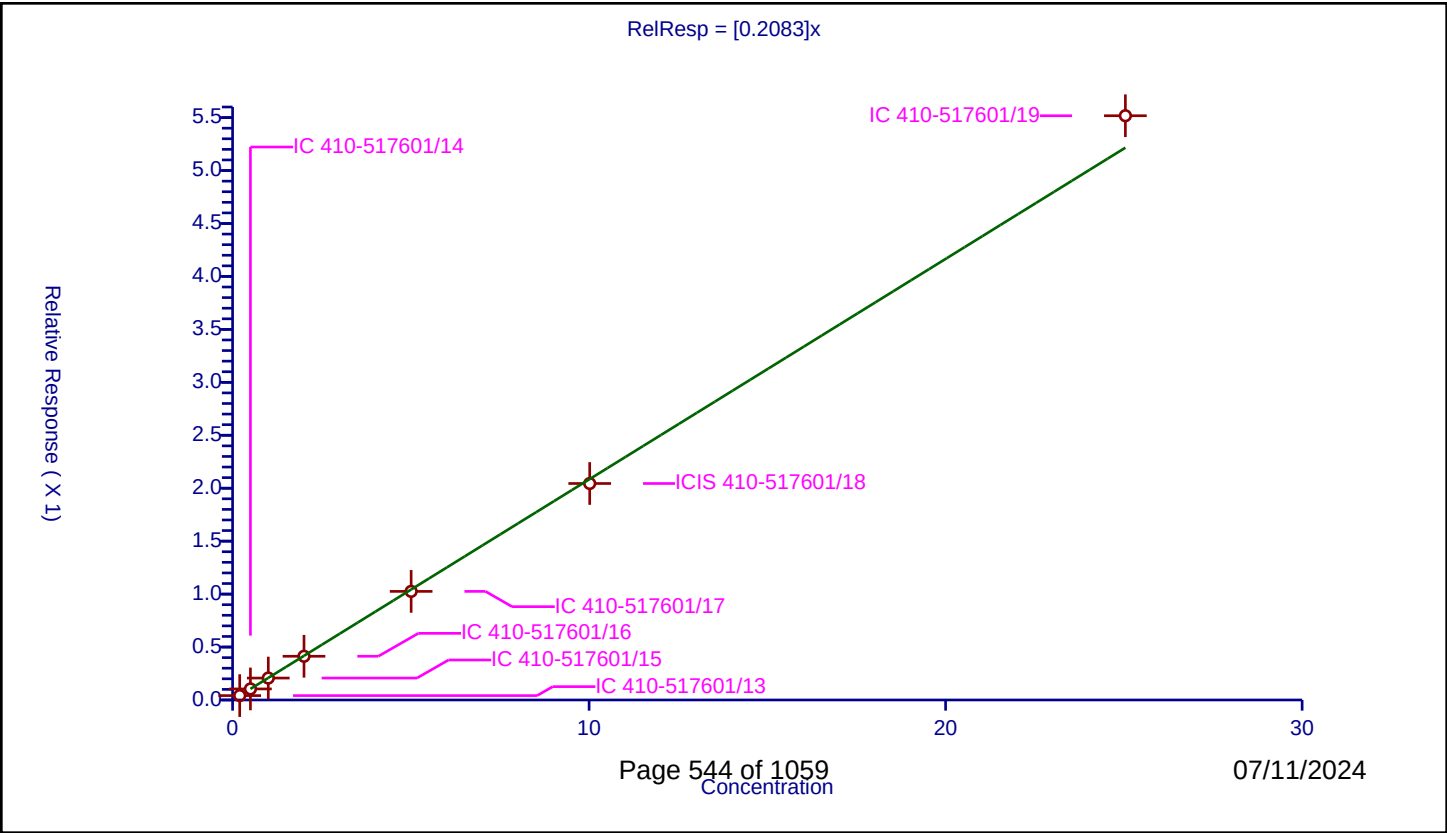
/ Ethyl bromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2083
Error Coefficients	

Relative Standard Deviation: 2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.20034	0.04155	10.0	2259919.0	0.207398	Y
2	IC 410-517601/14	0.50085	0.104422	10.0	2249339.0	0.208489	Y
3	IC 410-517601/15	1.0017	0.207071	10.0	2225227.0	0.20672	Y
4	IC 410-517601/16	2.0034	0.41294	10.0	2217927.0	0.206119	Y
5	IC 410-517601/17	5.0085	1.02554	10.0	2250394.0	0.20476	Y
6	ICIS 410-517601/18	10.017	2.04455	10.0	2282400.0	0.204108	Y
7	IC 410-517601/19	25.0425	5.517763	10.0	2233108.0	0.220336	Y



Calibration

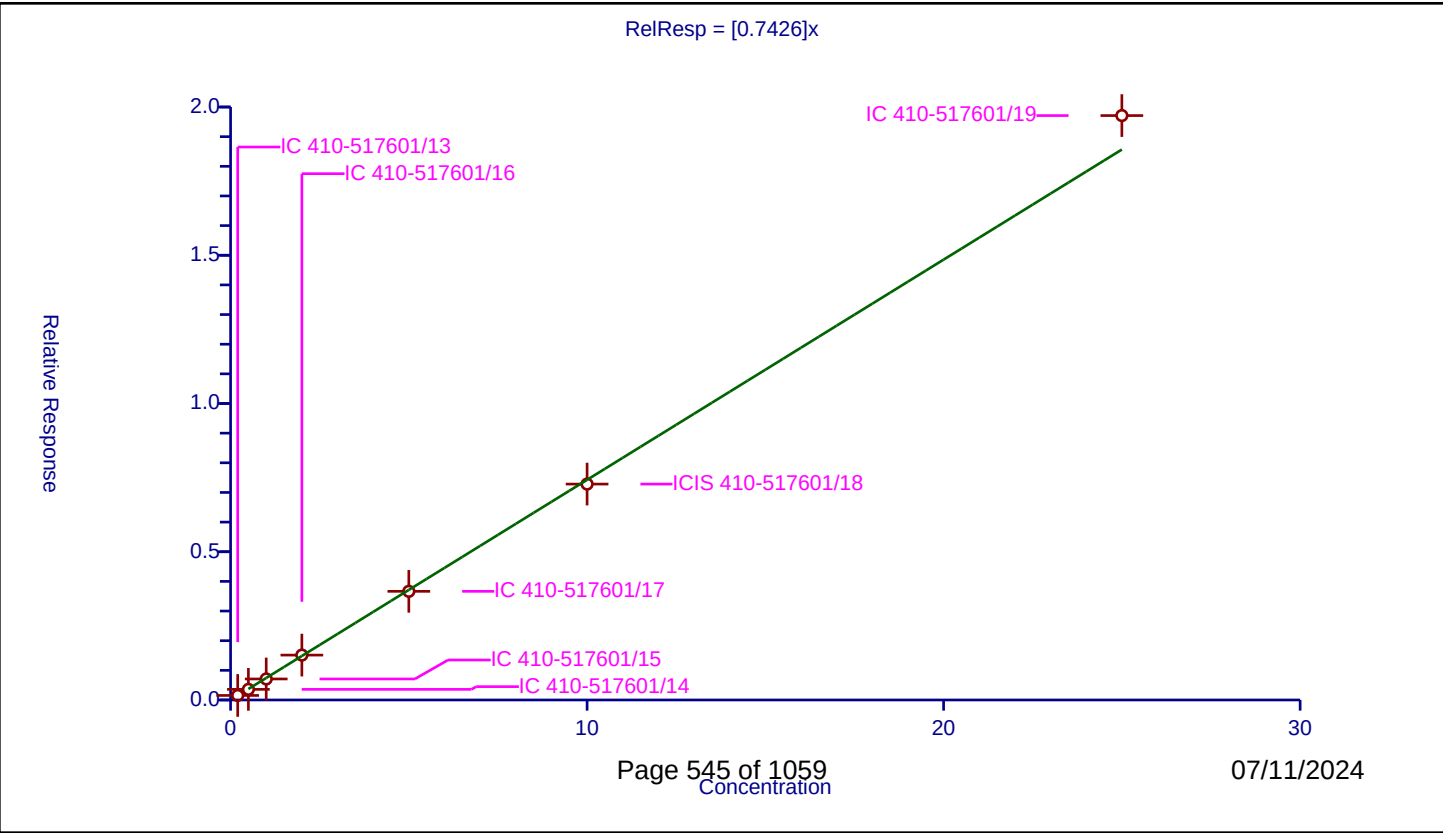
/ Carbon disulfide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7426
Error Coefficients	

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.153293	10.0	2259919.0	0.766466	Y
2	IC 410-517601/14	0.5	0.358047	10.0	2249339.0	0.716095	Y
3	IC 410-517601/15	1.0	0.708948	10.0	2225227.0	0.708948	Y
4	IC 410-517601/16	2.0	1.514306	10.0	2217927.0	0.757153	Y
5	IC 410-517601/17	5.0	3.664643	10.0	2250394.0	0.732929	Y
6	ICIS 410-517601/18	10.0	7.282518	10.0	2282400.0	0.728252	Y
7	IC 410-517601/19	25.0	19.711608	10.0	2233108.0	0.788464	Y



Calibration

/ Methyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

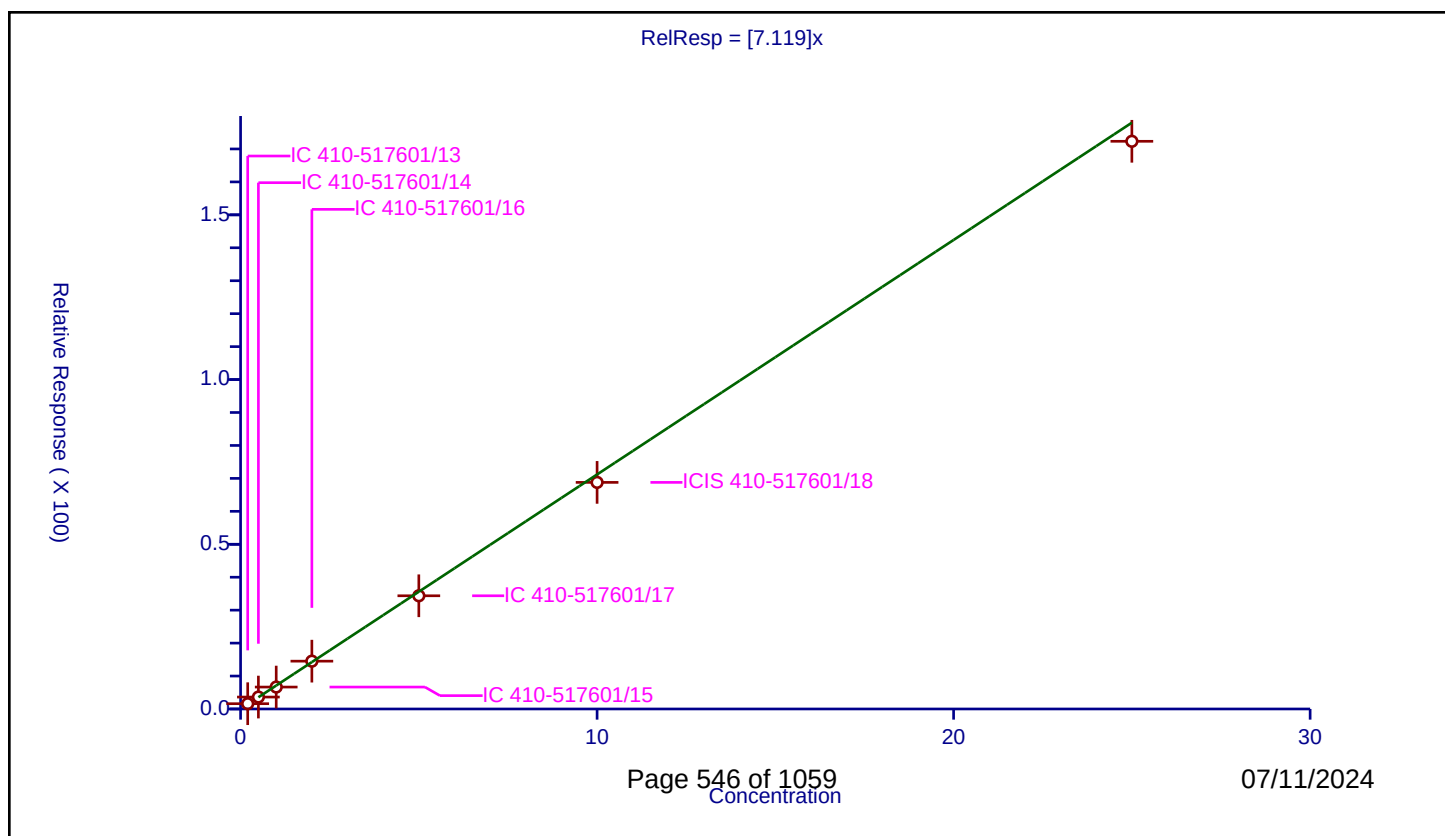
Curve Coefficients

Intercept: 0
Slope: 7.119

Error Coefficients

Relative Standard Deviation: 6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	1.60343	50.0	173659.0	8.017149	Y
2	IC 410-517601/14	0.5	3.624311	50.0	188422.0	7.248623	Y
3	IC 410-517601/15	1.0	6.661722	50.0	167862.0	6.661722	Y
4	IC 410-517601/16	2.0	14.52033	50.0	164311.0	7.260165	Y
5	IC 410-517601/17	5.0	34.366633	50.0	180780.0	6.873327	Y
6	ICIS 410-517601/18	10.0	68.785738	50.0	188699.0	6.878574	Y
7	IC 410-517601/19	25.0	172.325752	50.0	188137.0	6.89303	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

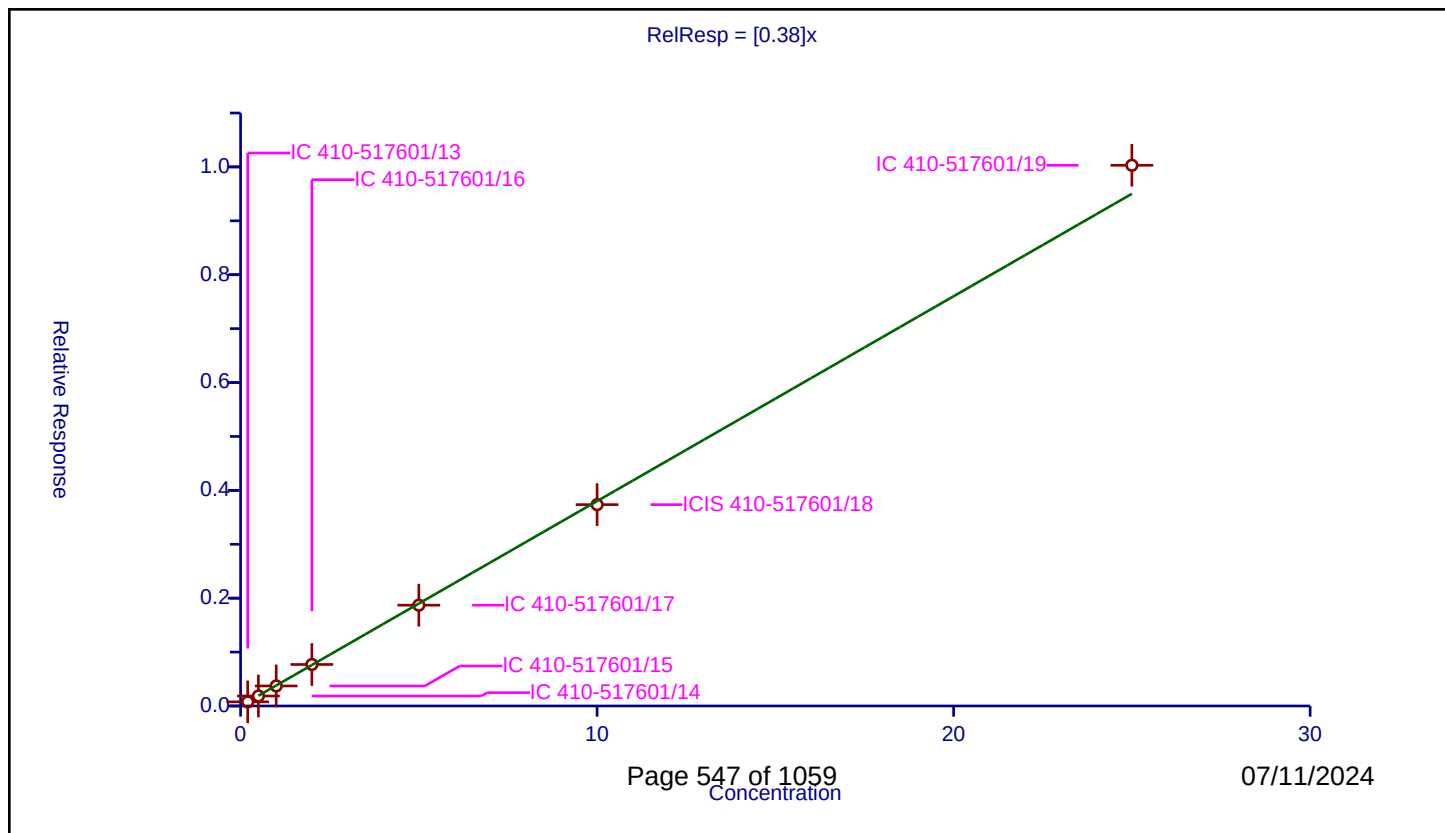
Curve Coefficients

Intercept: 0
Slope: 0.38

Error Coefficients

Relative Standard Deviation: 2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.076826	10.0	2259919.0	0.384129	Y
2	IC 410-517601/14	0.5	0.185277	10.0	2249339.0	0.370553	Y
3	IC 410-517601/15	1.0	0.371935	10.0	2225227.0	0.371935	Y
4	IC 410-517601/16	2.0	0.769804	10.0	2217927.0	0.384902	Y
5	IC 410-517601/17	5.0	1.870206	10.0	2250394.0	0.374041	Y
6	ICIS 410-517601/18	10.0	3.735287	10.0	2282400.0	0.373529	Y
7	IC 410-517601/19	25.0	10.030433	10.0	2233108.0	0.401217	Y



Calibration

/ Methylene Chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

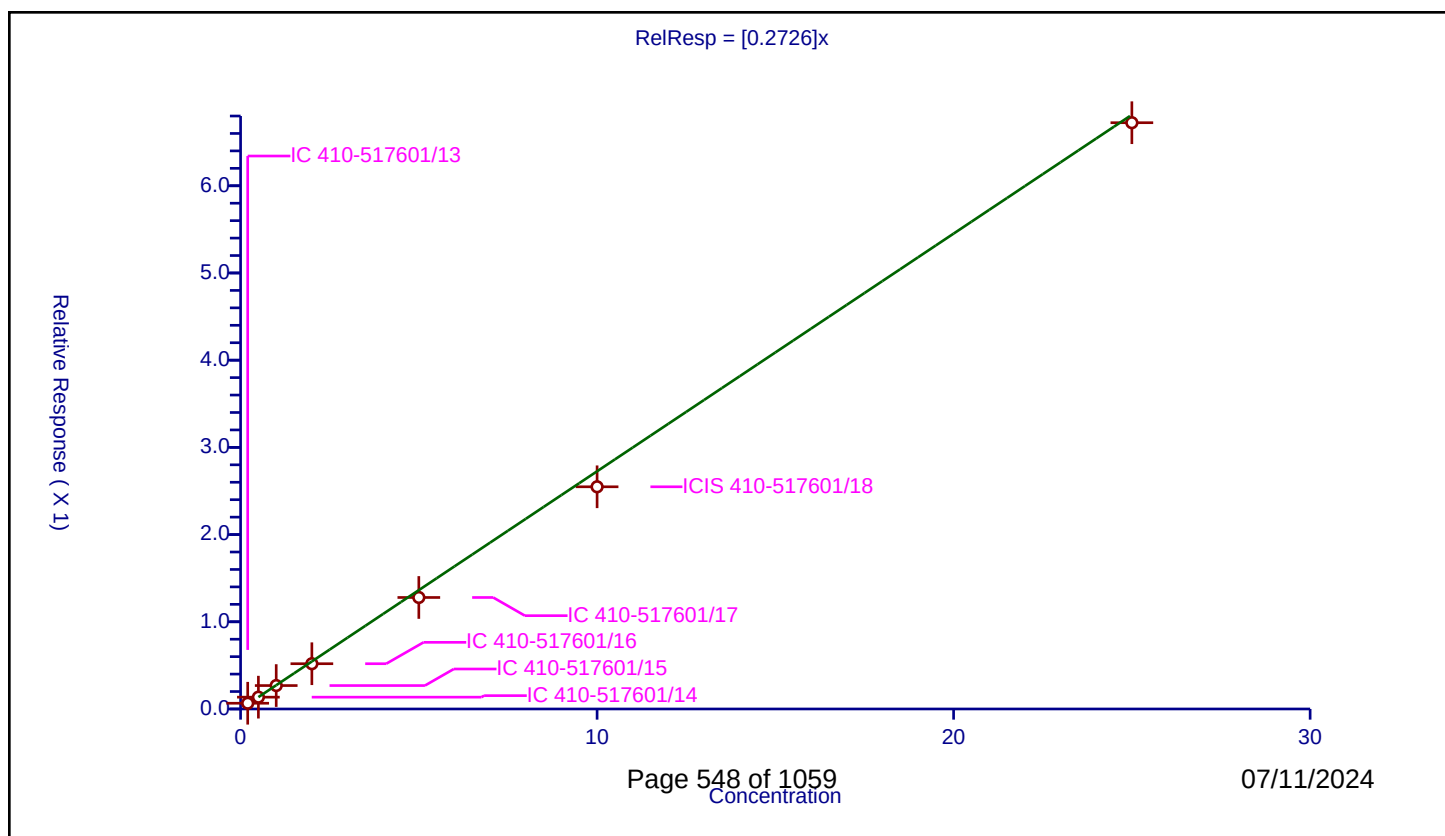
Curve Coefficients

Intercept: 0
Slope: 0.2726

Error Coefficients

Relative Standard Deviation: 9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.065852	10.0	2259919.0	0.32926	Y
2	IC 410-517601/14	0.5	0.135546	10.0	2249339.0	0.271093	Y
3	IC 410-517601/15	1.0	0.268669	10.0	2225227.0	0.268669	Y
4	IC 410-517601/16	2.0	0.519061	10.0	2217927.0	0.259531	Y
5	IC 410-517601/17	5.0	1.278763	10.0	2250394.0	0.255753	Y
6	ICIS 410-517601/18	10.0	2.548042	10.0	2282400.0	0.254804	Y
7	IC 410-517601/19	25.0	6.723177	10.0	2233108.0	0.268927	Y



Calibration

/ 2-Methyl-2-propanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

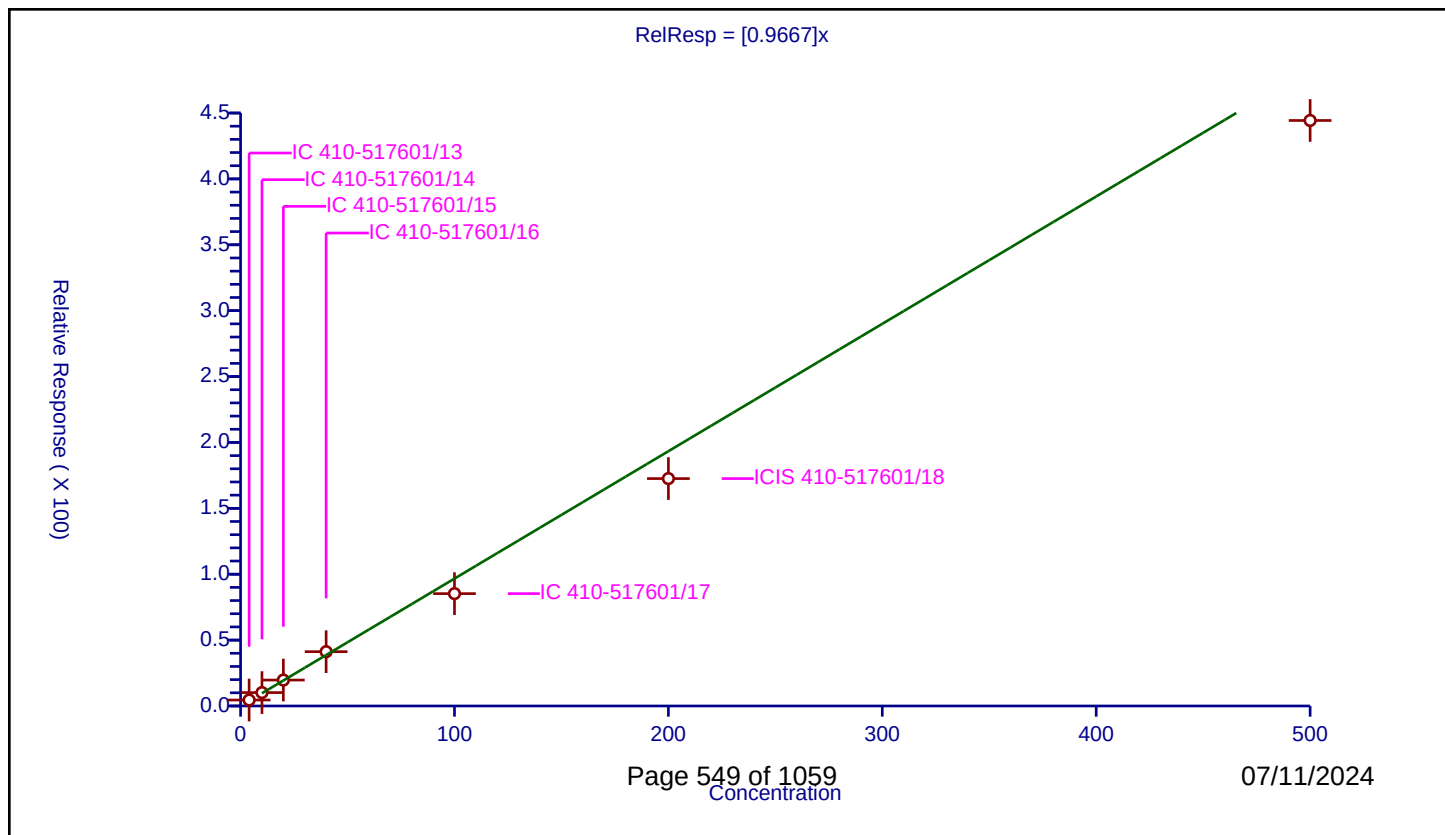
Curve Coefficients

Intercept: 0
Slope: 0.9667

Error Coefficients

Relative Standard Deviation: 10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	4.0	4.529279	50.0	173659.0	1.13232	Y
2	IC 410-517601/14	10.0	10.159111	50.0	188422.0	1.015911	Y
3	IC 410-517601/15	20.0	19.678069	50.0	167862.0	0.983903	Y
4	IC 410-517601/16	40.0	41.219395	50.0	164311.0	1.030485	Y
5	IC 410-517601/17	100.0	85.272154	50.0	180780.0	0.852722	Y
6	ICIS 410-517601/18	200.0	172.570337	50.0	188699.0	0.862852	Y
7	IC 410-517601/19	500.0	444.337903	50.0	188137.0	0.888676	Y



Calibration

/ Acrylonitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

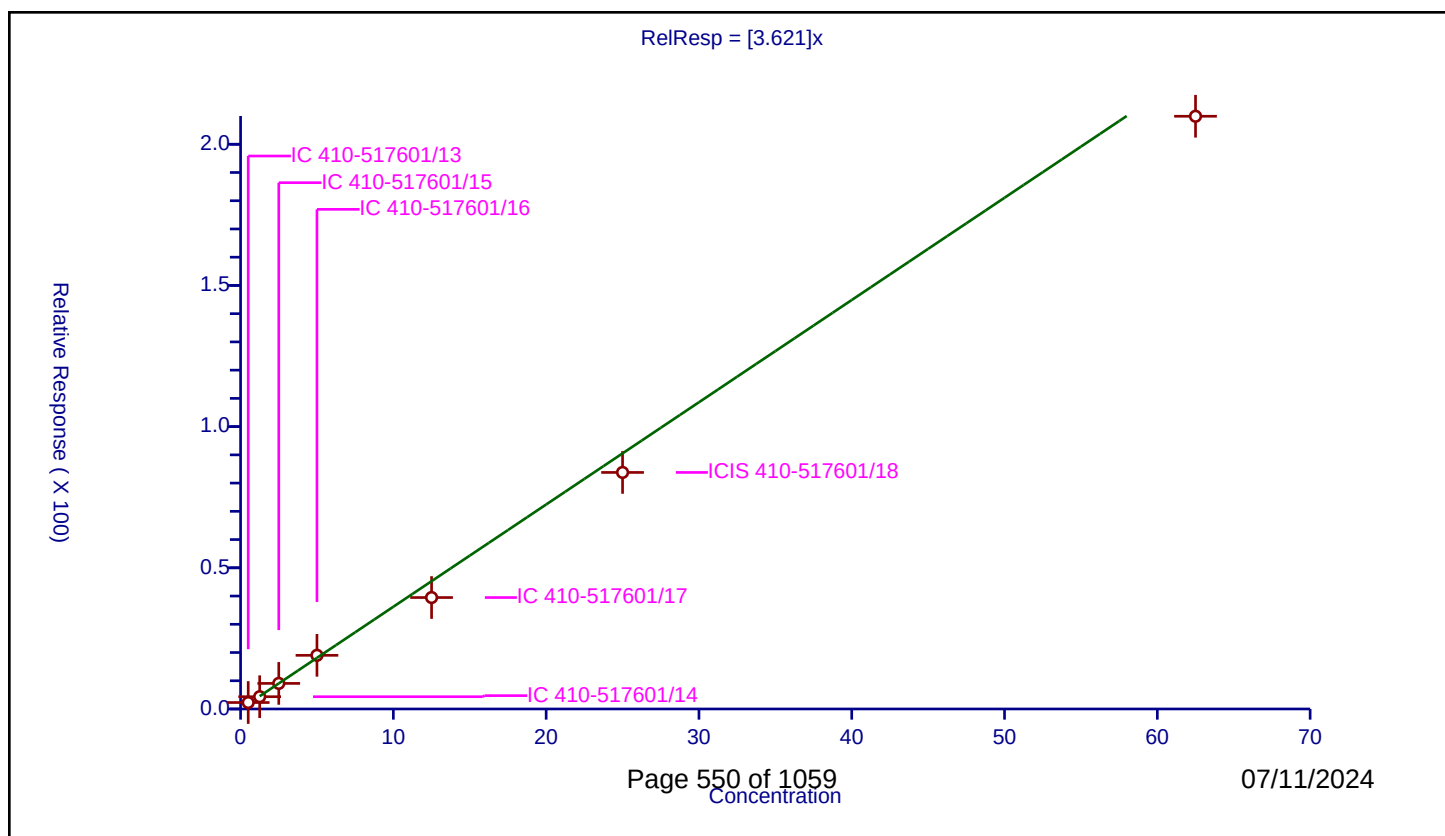
Curve Coefficients

Intercept: 0
Slope: 3.621

Error Coefficients

Relative Standard Deviation: 12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.5	2.287241	50.0	173659.0	4.574482	Y
2	IC 410-517601/14	1.25	4.350872	50.0	188422.0	3.480698	Y
3	IC 410-517601/15	2.5	9.058929	50.0	167862.0	3.623572	Y
4	IC 410-517601/16	5.0	19.00877	50.0	164311.0	3.801754	Y
5	IC 410-517601/17	12.5	39.466202	50.0	180780.0	3.157296	Y
6	ICIS 410-517601/18	25.0	83.769124	50.0	188699.0	3.350765	Y
7	IC 410-517601/19	62.5	209.910597	50.0	188137.0	3.35857	Y



Calibration

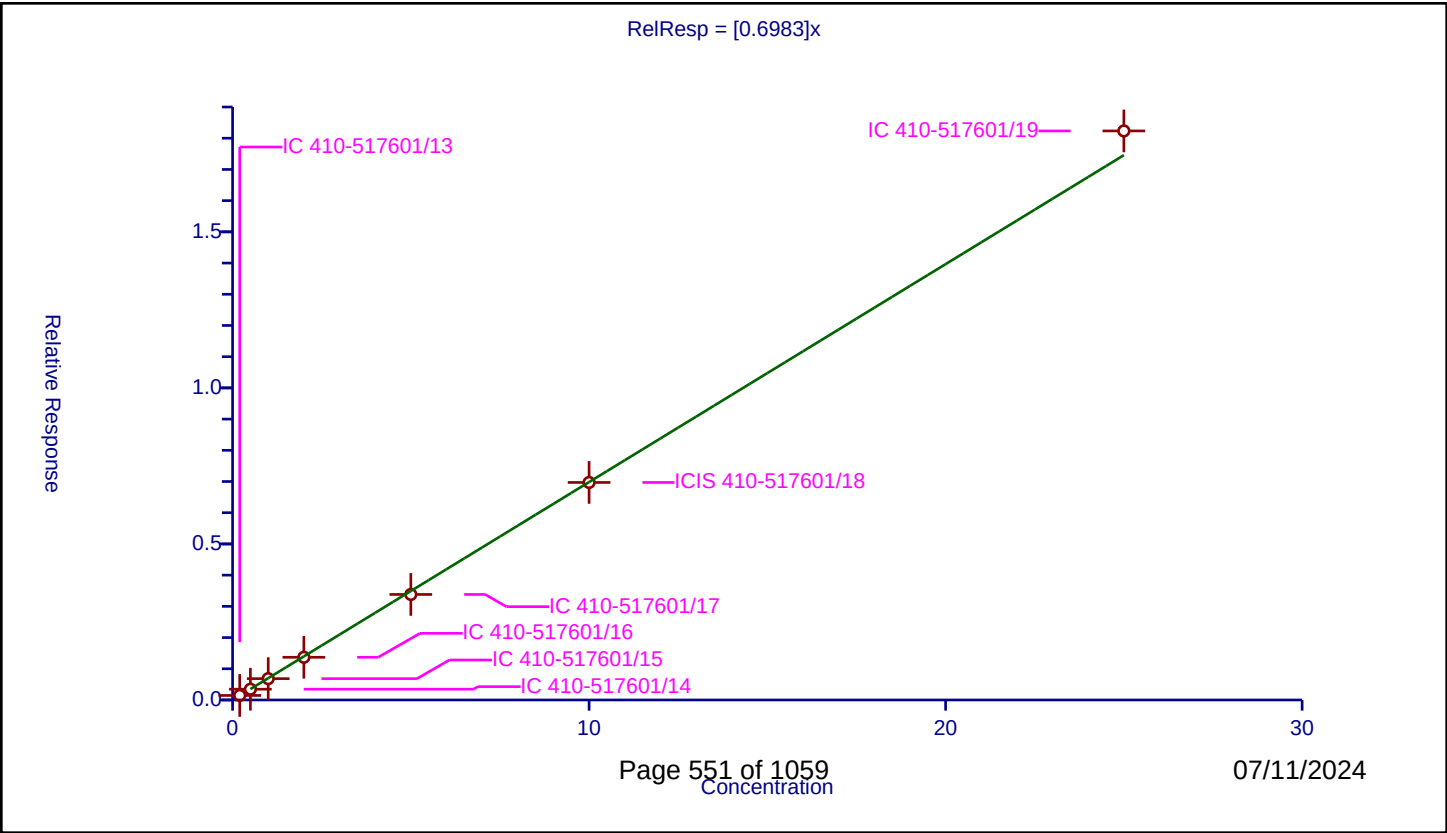
/ Methyl tert-butyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6983
Error Coefficients	

Relative Standard Deviation: 3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.145302	10.0	2259919.0	0.726508	Y
2	IC 410-517601/14	0.5	0.345217	10.0	2249339.0	0.690434	Y
3	IC 410-517601/15	1.0	0.683939	10.0	2225227.0	0.683939	Y
4	IC 410-517601/16	2.0	1.368692	10.0	2217927.0	0.684346	Y
5	IC 410-517601/17	5.0	3.381652	10.0	2250394.0	0.67633	Y
6	ICIS 410-517601/18	10.0	6.970053	10.0	2282400.0	0.697005	Y
7	IC 410-517601/19	25.0	18.233713	10.0	2233108.0	0.729349	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

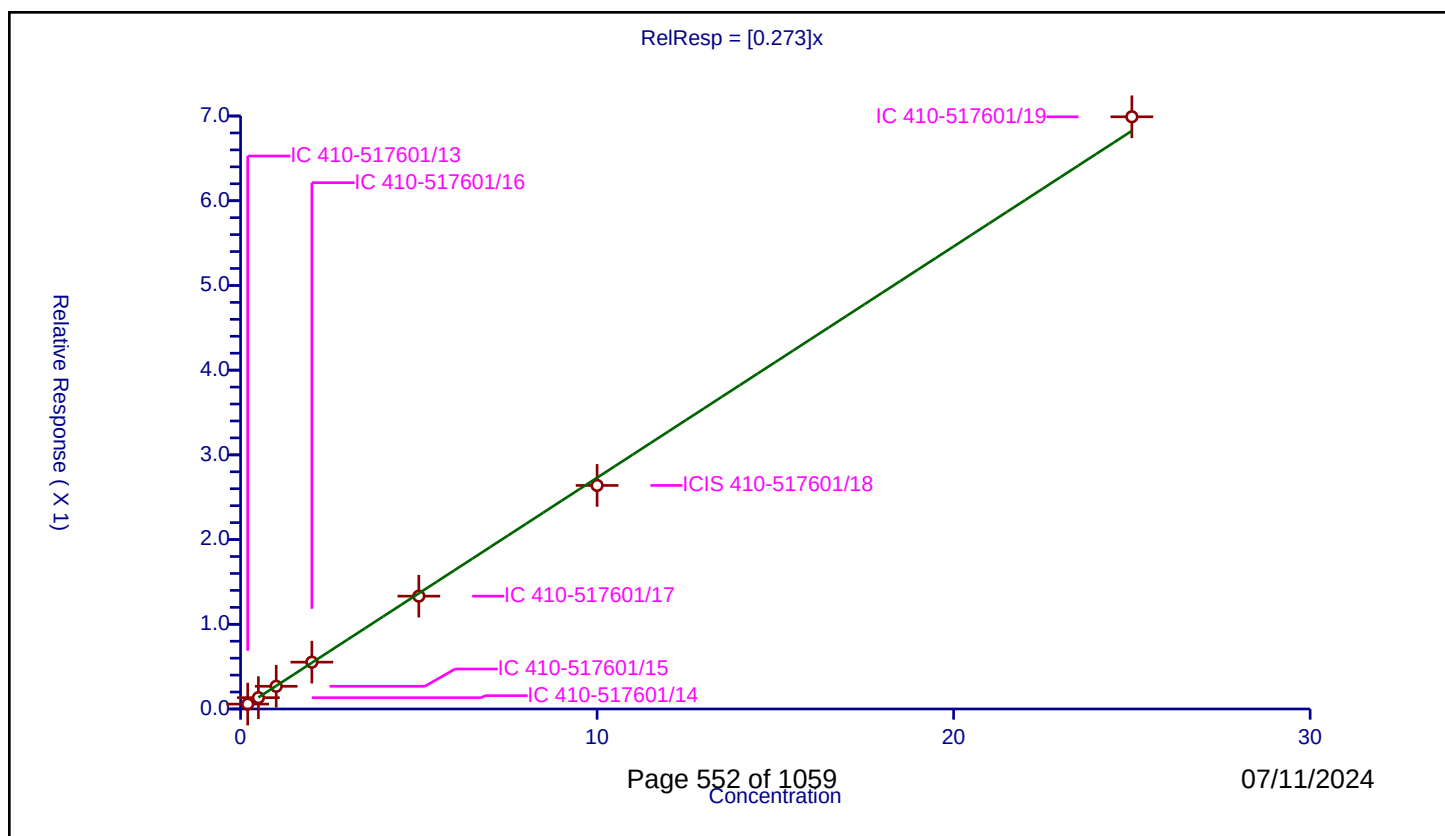
Curve Coefficients

Intercept: 0
Slope: 0.273

Error Coefficients

Relative Standard Deviation: 3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.057883	10.0	2259919.0	0.289413	Y
2	IC 410-517601/14	0.5	0.133639	10.0	2249339.0	0.267279	Y
3	IC 410-517601/15	1.0	0.267905	10.0	2225227.0	0.267905	Y
4	IC 410-517601/16	2.0	0.552908	10.0	2217927.0	0.276454	Y
5	IC 410-517601/17	5.0	1.332042	10.0	2250394.0	0.266408	Y
6	ICIS 410-517601/18	10.0	2.639042	10.0	2282400.0	0.263904	Y
7	IC 410-517601/19	25.0	6.990889	10.0	2233108.0	0.279636	Y



Calibration

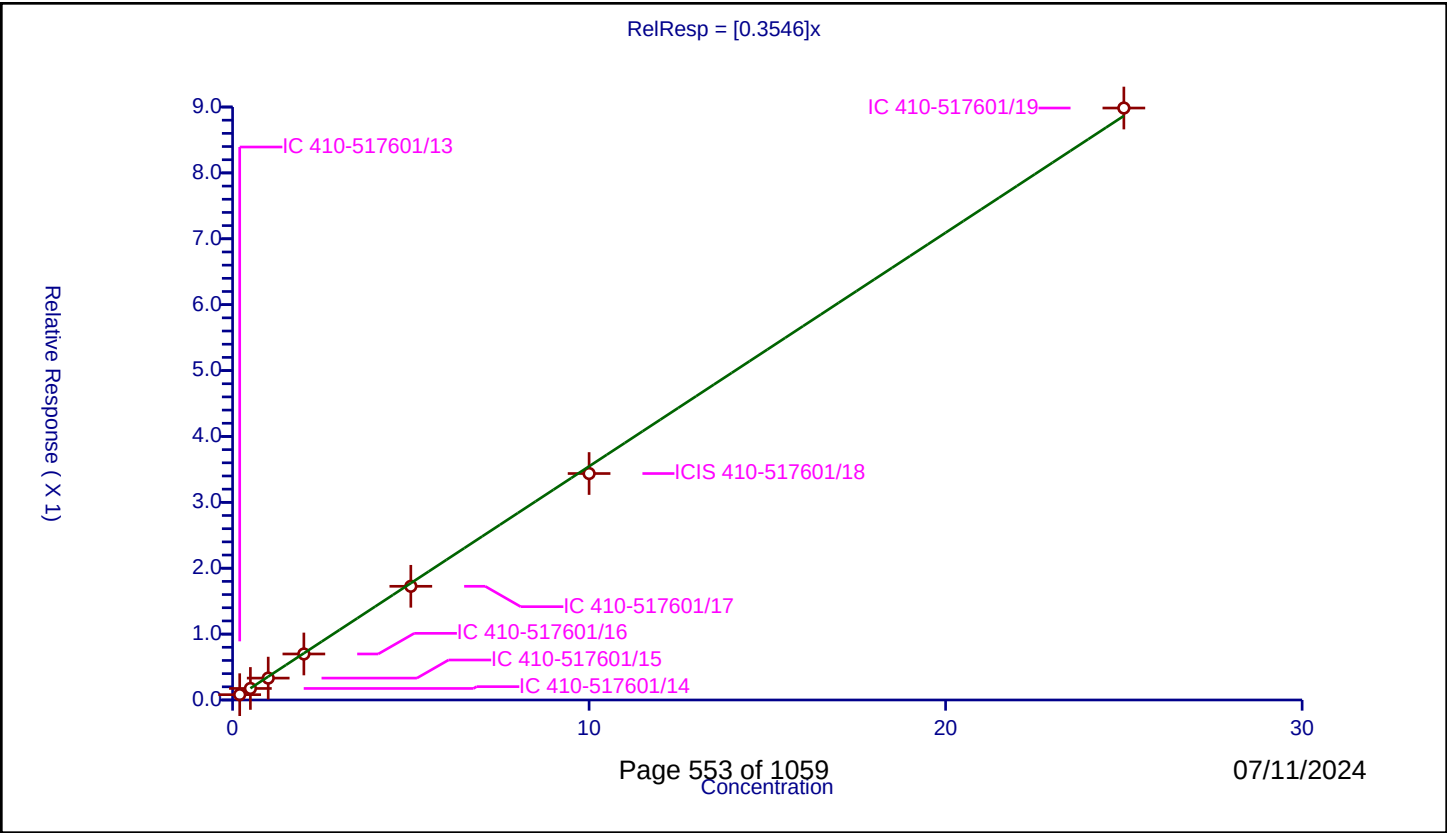
/ Hexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3546
Error Coefficients	

Relative Standard Deviation: 6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.080591	10.0	2259919.0	0.402957	Y
2	IC 410-517601/14	0.5	0.174882	10.0	2249339.0	0.349765	Y
3	IC 410-517601/15	1.0	0.332195	10.0	2225227.0	0.332195	Y
4	IC 410-517601/16	2.0	0.698508	10.0	2217927.0	0.349254	Y
5	IC 410-517601/17	5.0	1.725489	10.0	2250394.0	0.345098	Y
6	ICIS 410-517601/18	10.0	3.437136	10.0	2282400.0	0.343714	Y
7	IC 410-517601/19	25.0	8.98481	10.0	2233108.0	0.359392	Y

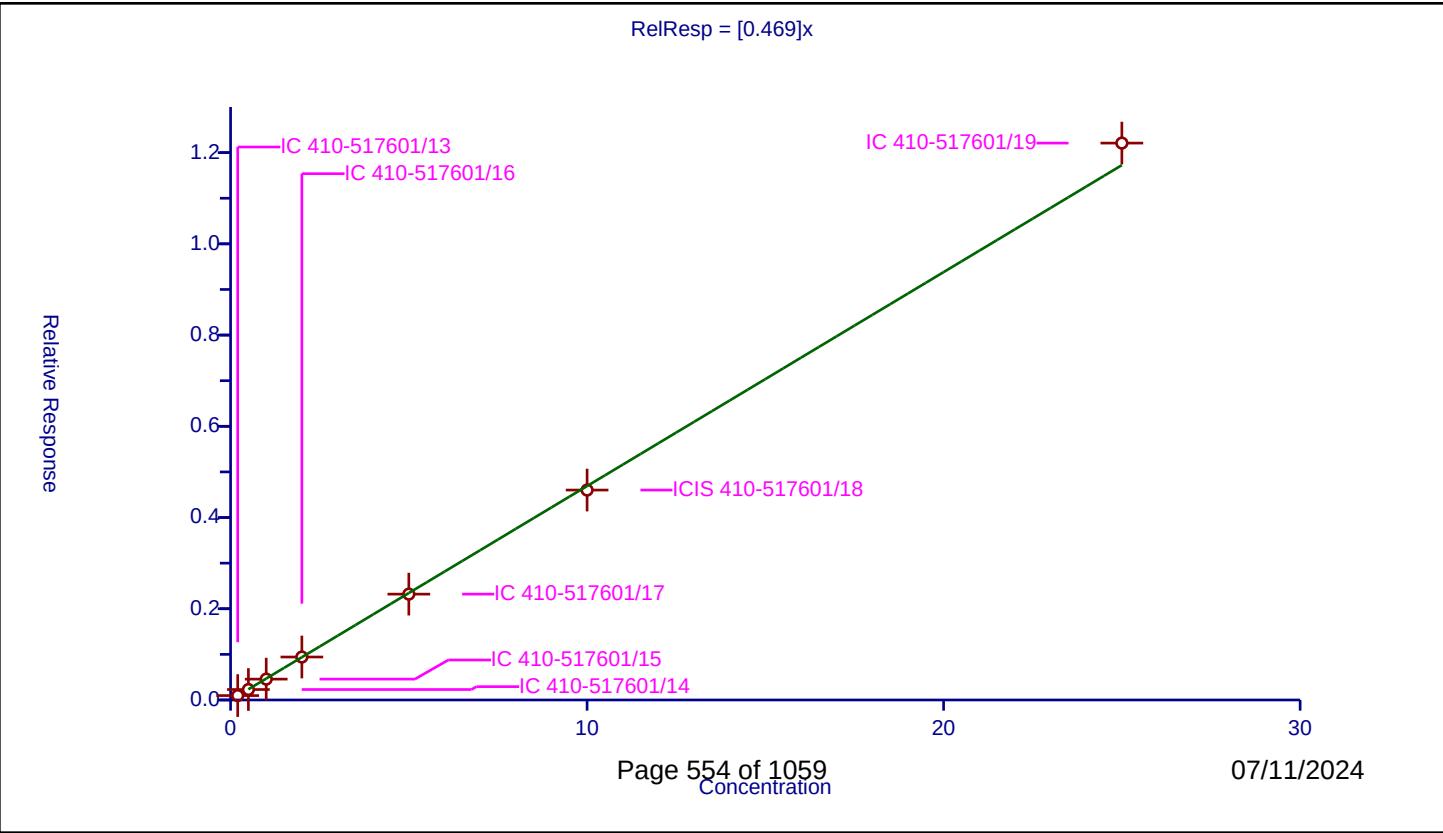


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.469
Error Coefficients	

Relative Standard Deviation: 2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.096601	10.0	2259919.0	0.483004	Y
2	IC 410-517601/14	0.5	0.229459	10.0	2249339.0	0.458917	Y
3	IC 410-517601/15	1.0	0.457481	10.0	2225227.0	0.457481	Y
4	IC 410-517601/16	2.0	0.941947	10.0	2217927.0	0.470974	Y
5	IC 410-517601/17	5.0	2.320674	10.0	2250394.0	0.464135	Y
6	ICIS 410-517601/18	10.0	4.602305	10.0	2282400.0	0.46023	Y
7	IC 410-517601/19	25.0	12.209083	10.0	2233108.0	0.488363	Y



Calibration

/ Isopropyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

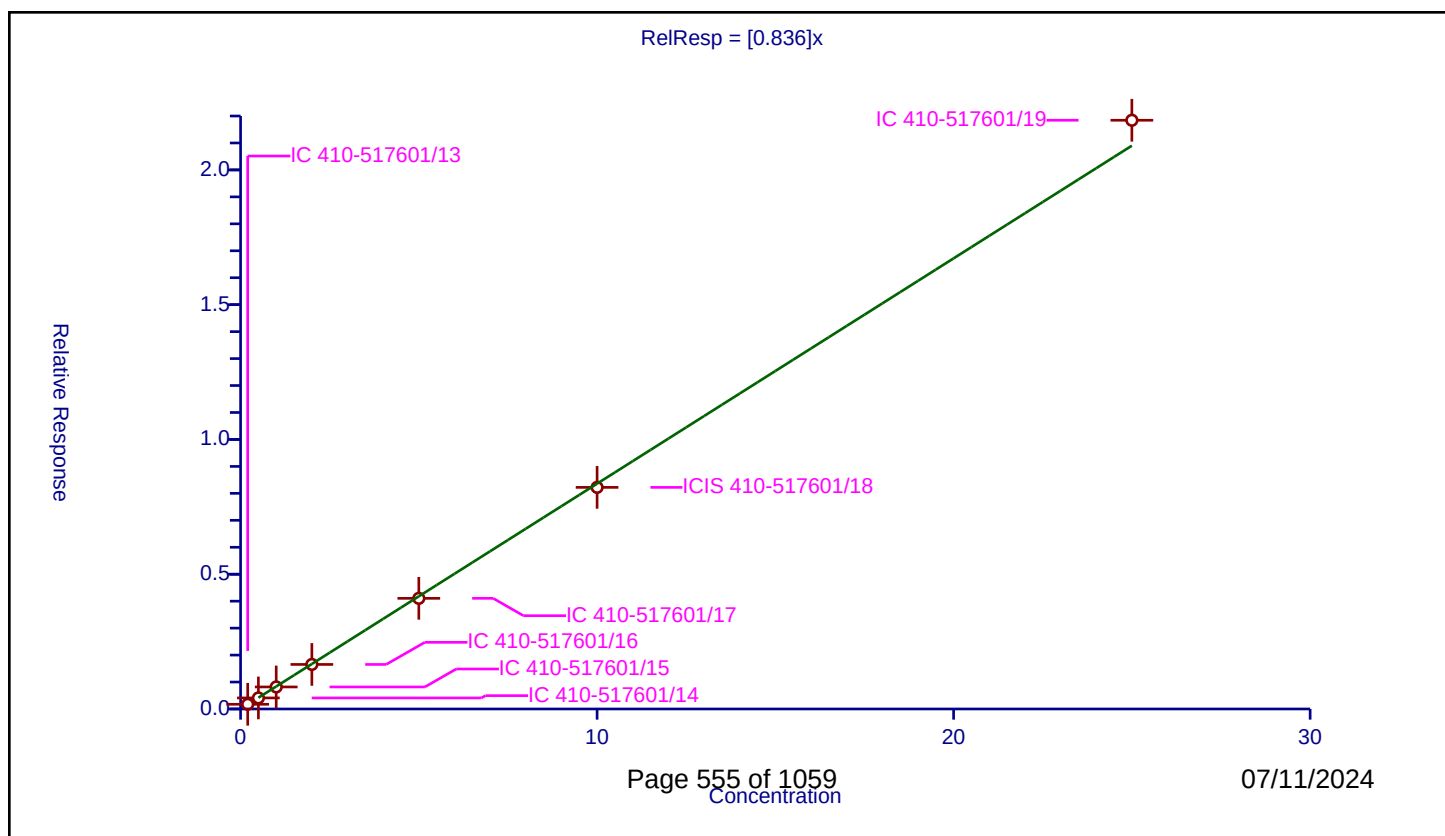
Curve Coefficients

Intercept: 0
Slope: 0.836

Error Coefficients

Relative Standard Deviation: 3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.174148	10.0	2259919.0	0.870739	Y
2	IC 410-517601/14	0.5	0.409974	10.0	2249339.0	0.819948	Y
3	IC 410-517601/15	1.0	0.817723	10.0	2225227.0	0.817723	Y
4	IC 410-517601/16	2.0	1.652516	10.0	2217927.0	0.826258	Y
5	IC 410-517601/17	5.0	4.105437	10.0	2250394.0	0.821087	Y
6	ICIS 410-517601/18	10.0	8.222341	10.0	2282400.0	0.822234	Y
7	IC 410-517601/19	25.0	21.842302	10.0	2233108.0	0.873692	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

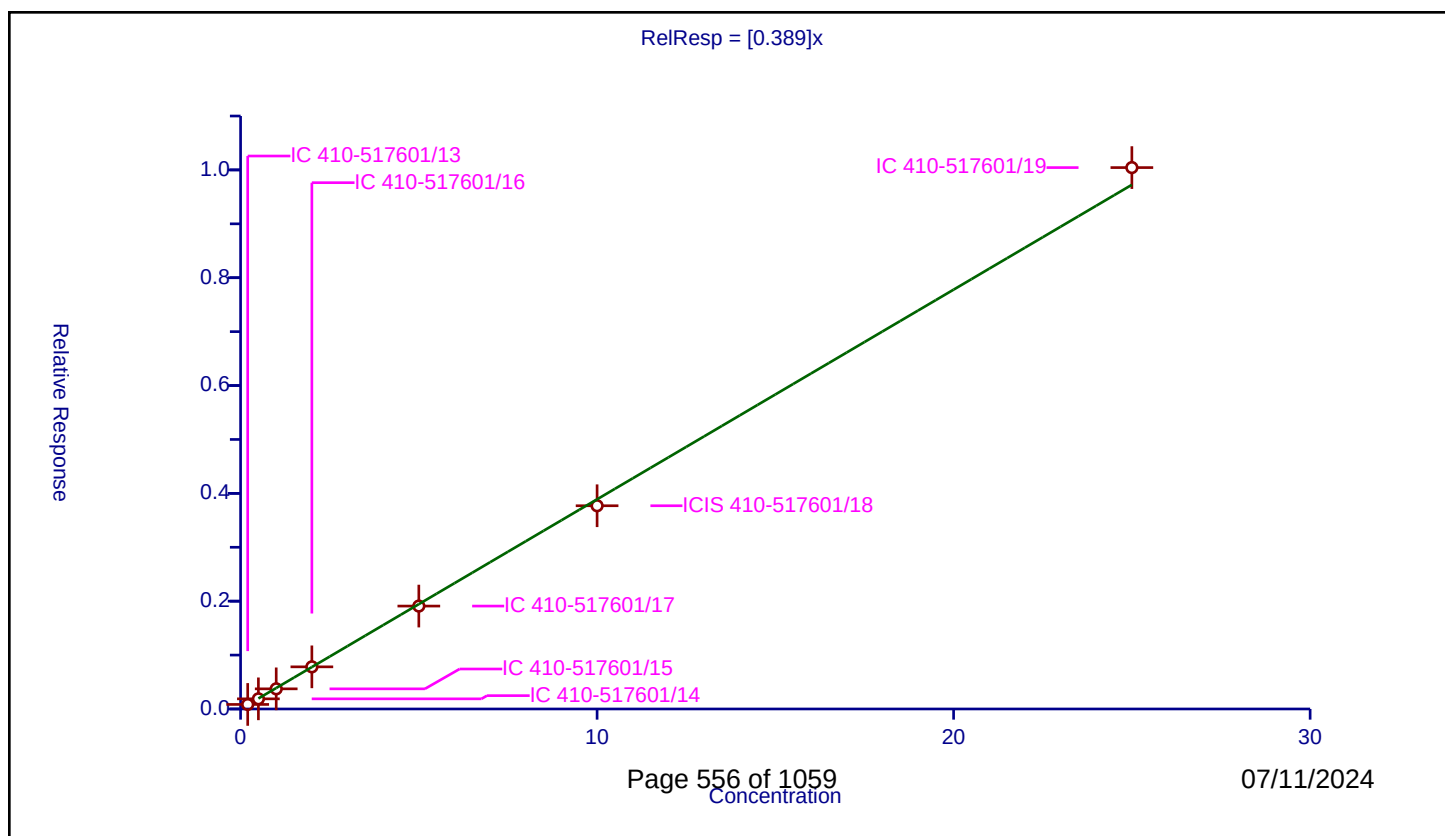
Curve Coefficients

Intercept: 0
Slope: 0.389

Error Coefficients

Relative Standard Deviation: 4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.084246	10.0	2259919.0	0.421232	Y
2	IC 410-517601/14	0.5	0.1883	10.0	2249339.0	0.3766	Y
3	IC 410-517601/15	1.0	0.373499	10.0	2225227.0	0.373499	Y
4	IC 410-517601/16	2.0	0.781626	10.0	2217927.0	0.390813	Y
5	IC 410-517601/17	5.0	1.90923	10.0	2250394.0	0.381846	Y
6	ICIS 410-517601/18	10.0	3.770316	10.0	2282400.0	0.377032	Y
7	IC 410-517601/19	25.0	10.043101	10.0	2233108.0	0.401724	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

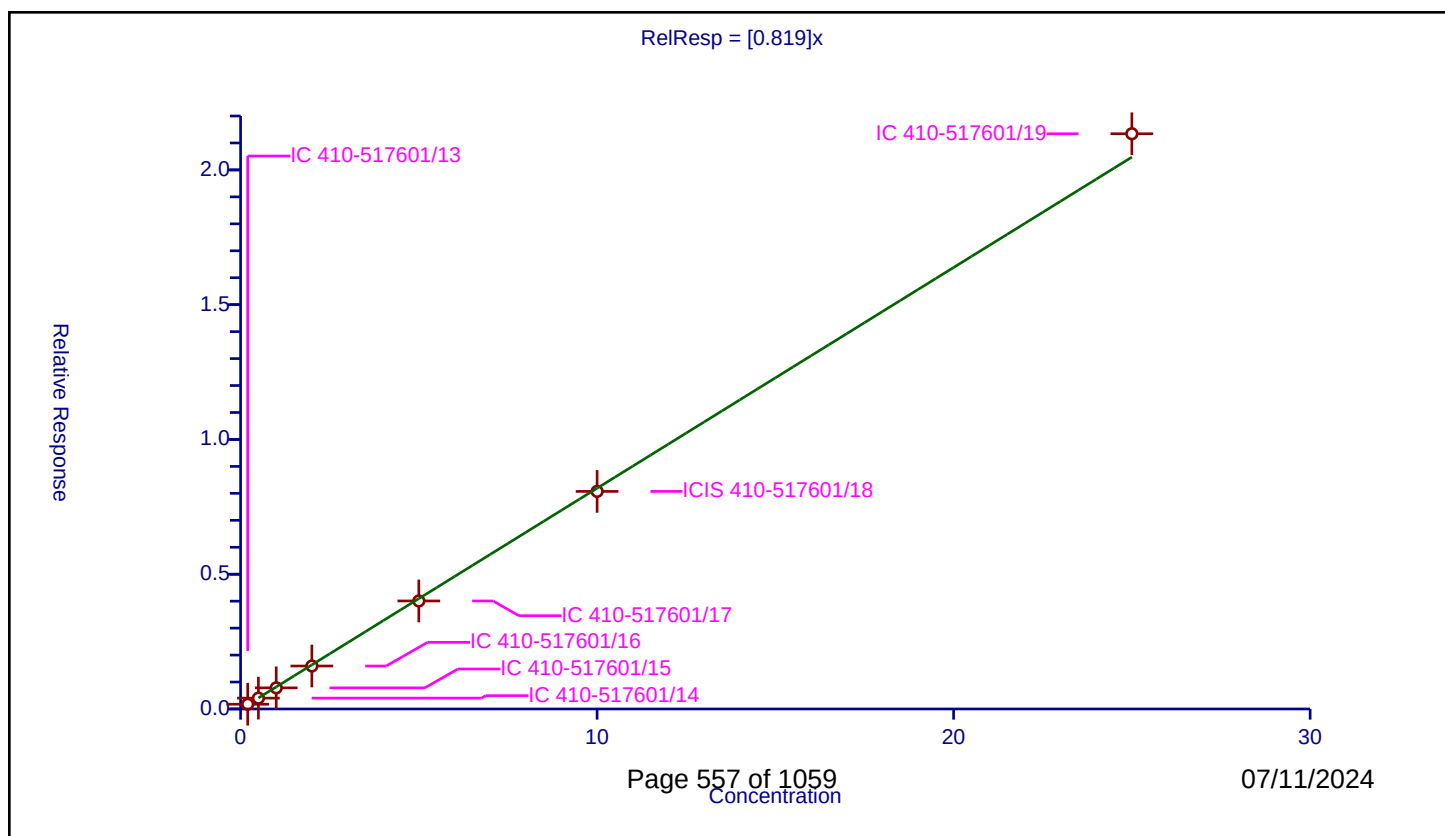
Curve Coefficients

Intercept: 0
Slope: 0.819

Error Coefficients

Relative Standard Deviation: 4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.176643	10.0	2259919.0	0.883217	Y
2	IC 410-517601/14	0.5	0.402732	10.0	2249339.0	0.805463	Y
3	IC 410-517601/15	1.0	0.784459	10.0	2225227.0	0.784459	Y
4	IC 410-517601/16	2.0	1.594318	10.0	2217927.0	0.797159	Y
5	IC 410-517601/17	5.0	4.008747	10.0	2250394.0	0.801749	Y
6	ICIS 410-517601/18	10.0	8.072985	10.0	2282400.0	0.807298	Y
7	IC 410-517601/19	25.0	21.342143	10.0	2233108.0	0.853686	Y



Calibration

/ 2-Butanone (MEK)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

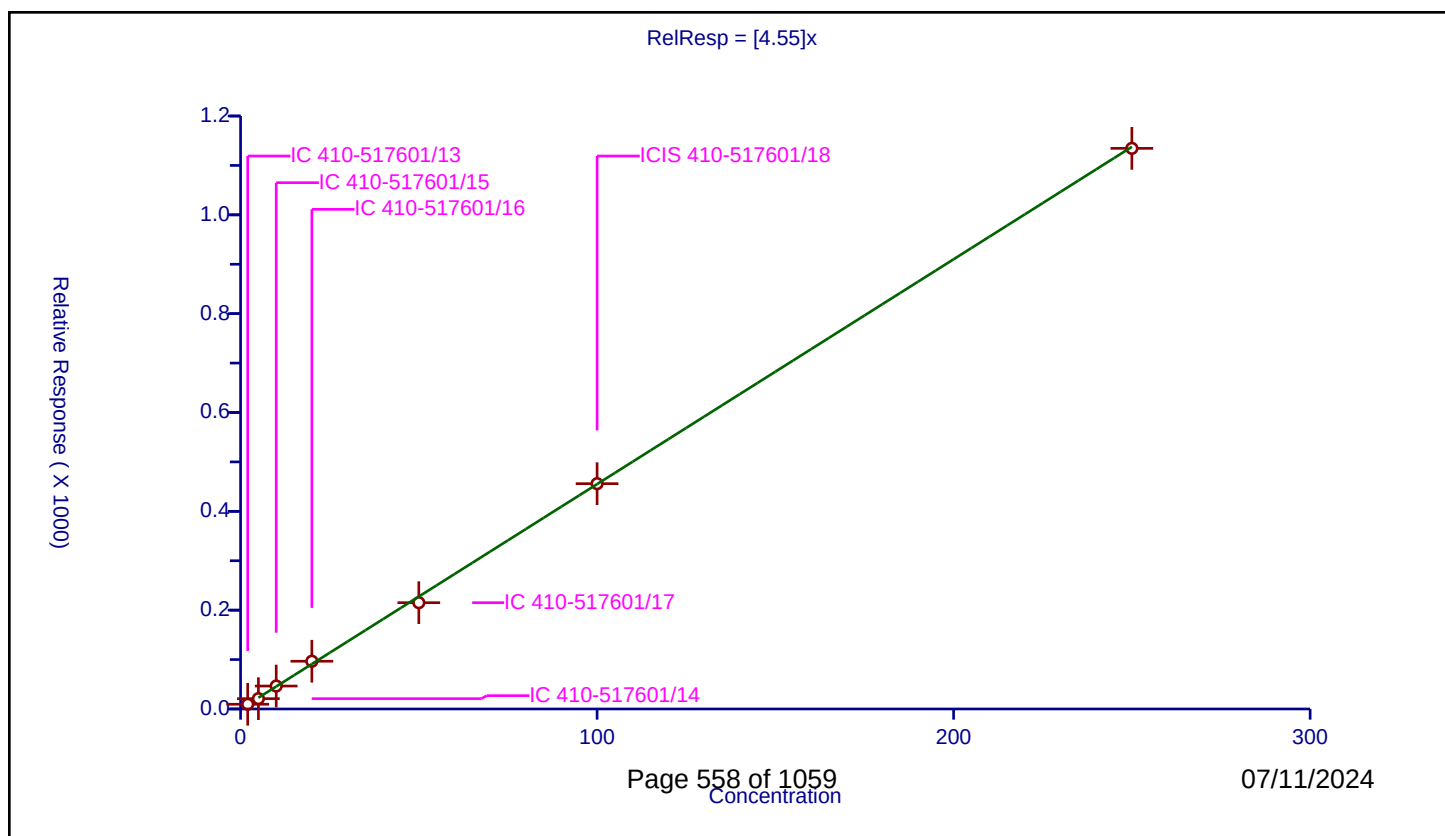
Curve Coefficients

Intercept: 0
Slope: 4.55

Error Coefficients

Relative Standard Deviation: 5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	2.0	9.59121	50.0	173659.0	4.795605	Y
2	IC 410-517601/14	5.0	20.919532	50.0	188422.0	4.183906	Y
3	IC 410-517601/15	10.0	46.416402	50.0	167862.0	4.64164	Y
4	IC 410-517601/16	20.0	96.628345	50.0	164311.0	4.831417	Y
5	IC 410-517601/17	50.0	215.143821	50.0	180780.0	4.302876	Y
6	ICIS 410-517601/18	100.0	455.977774	50.0	188699.0	4.559778	Y
7	IC 410-517601/19	250.0	1134.539724	50.0	188137.0	4.538159	Y



Calibration

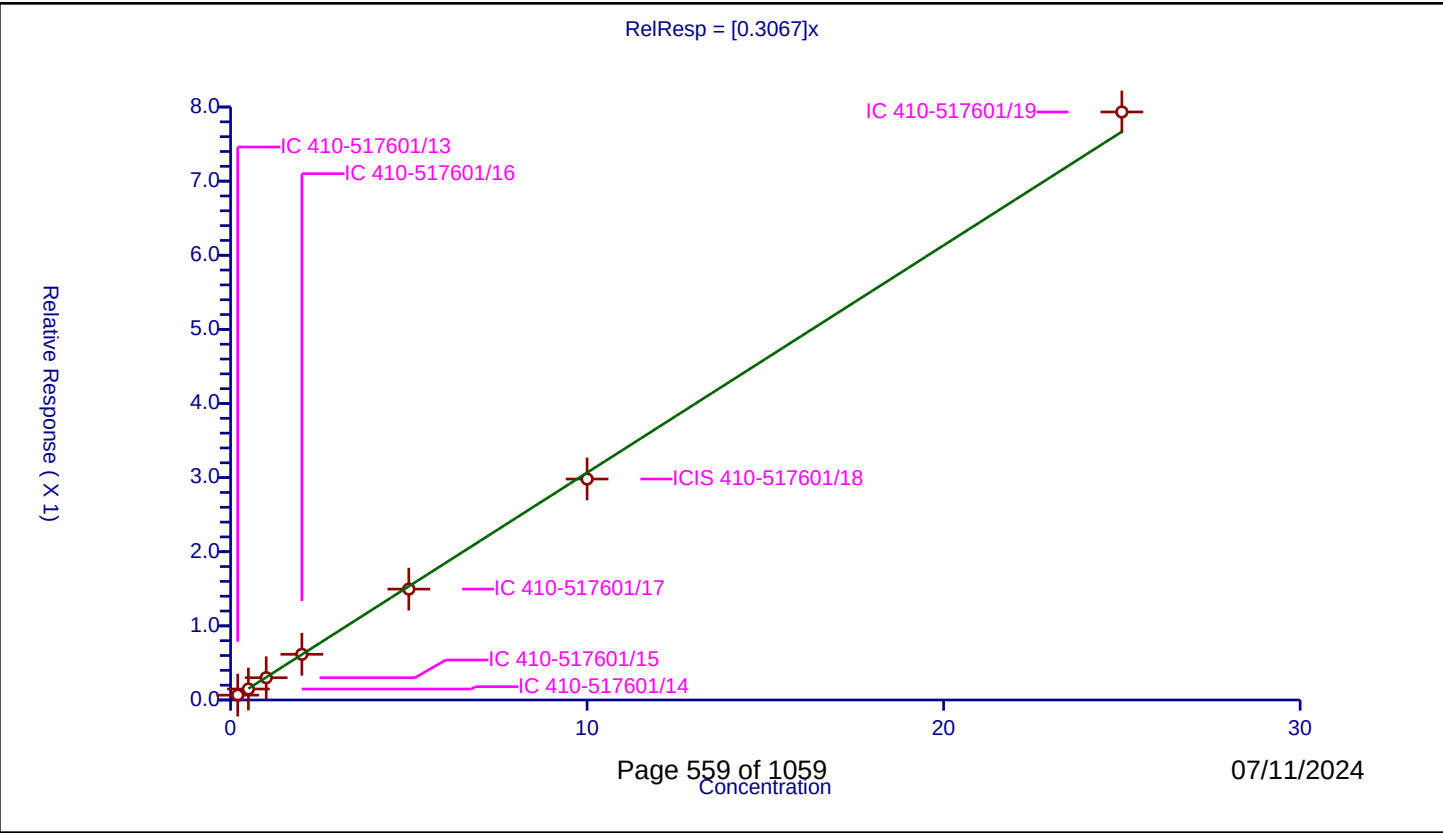
/ cis-1,2-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3067
Error Coefficients	

Relative Standard Deviation: 3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.065409	10.0	2259919.0	0.327047	Y
2	IC 410-517601/14	0.5	0.14807	10.0	2249339.0	0.29614	Y
3	IC 410-517601/15	1.0	0.300558	10.0	2225227.0	0.300558	Y
4	IC 410-517601/16	2.0	0.616562	10.0	2217927.0	0.308281	Y
5	IC 410-517601/17	5.0	1.496249	10.0	2250394.0	0.29925	Y
6	ICIS 410-517601/18	10.0	2.981147	10.0	2282400.0	0.298115	Y
7	IC 410-517601/19	25.0	7.933235	10.0	2233108.0	0.317329	Y



Calibration

/ 2,2-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

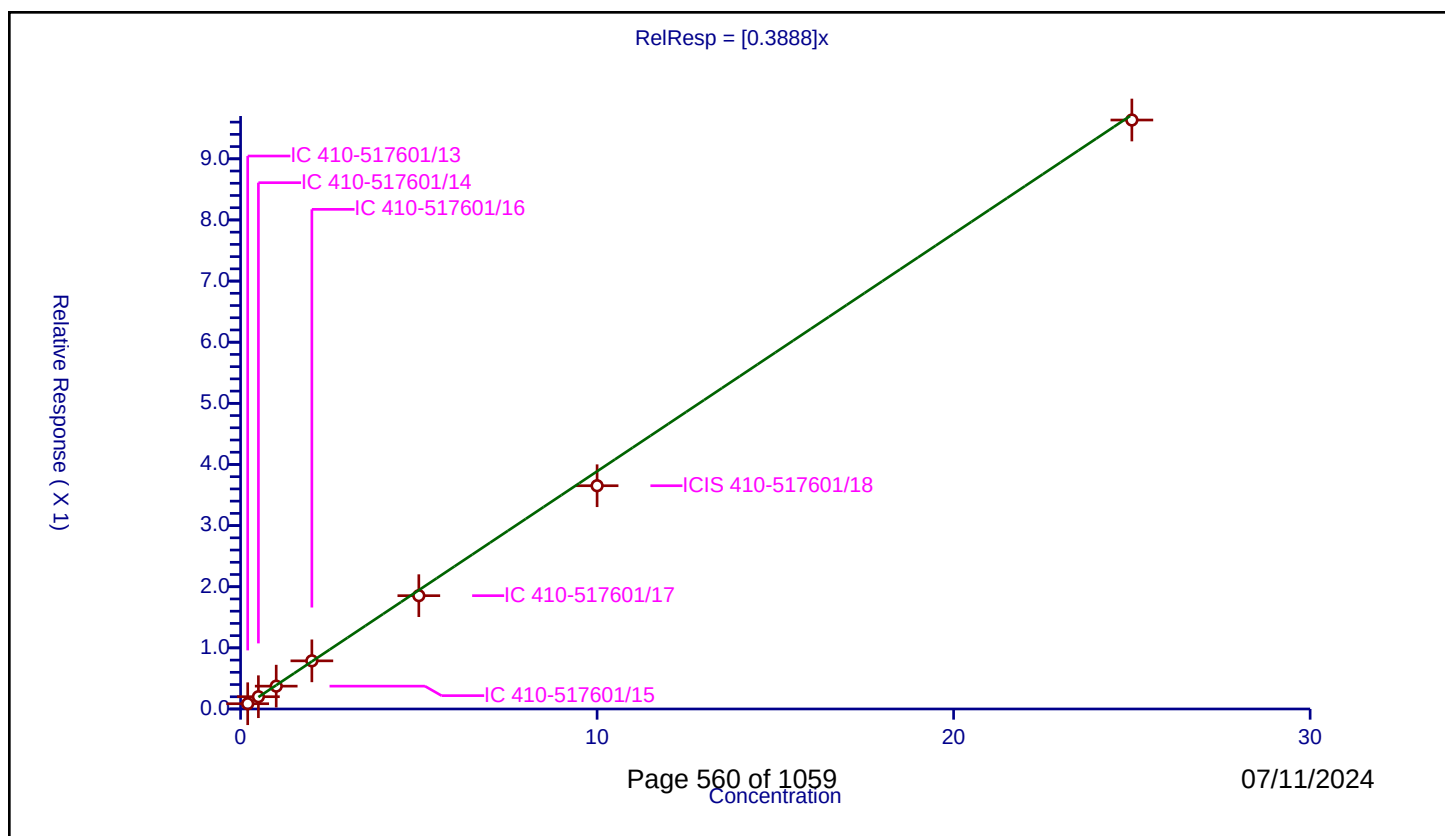
Curve Coefficients

Intercept: 0
Slope: 0.3888

Error Coefficients

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.086096	10.0	2259919.0	0.43048	Y
2	IC 410-517601/14	0.5	0.200975	10.0	2249339.0	0.401949	Y
3	IC 410-517601/15	1.0	0.373805	10.0	2225227.0	0.373805	Y
4	IC 410-517601/16	2.0	0.787497	10.0	2217927.0	0.393748	Y
5	IC 410-517601/17	5.0	1.853742	10.0	2250394.0	0.370748	Y
6	ICIS 410-517601/18	10.0	3.652173	10.0	2282400.0	0.365217	Y
7	IC 410-517601/19	25.0	9.634666	10.0	2233108.0	0.385387	Y



Calibration

/ Propionitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

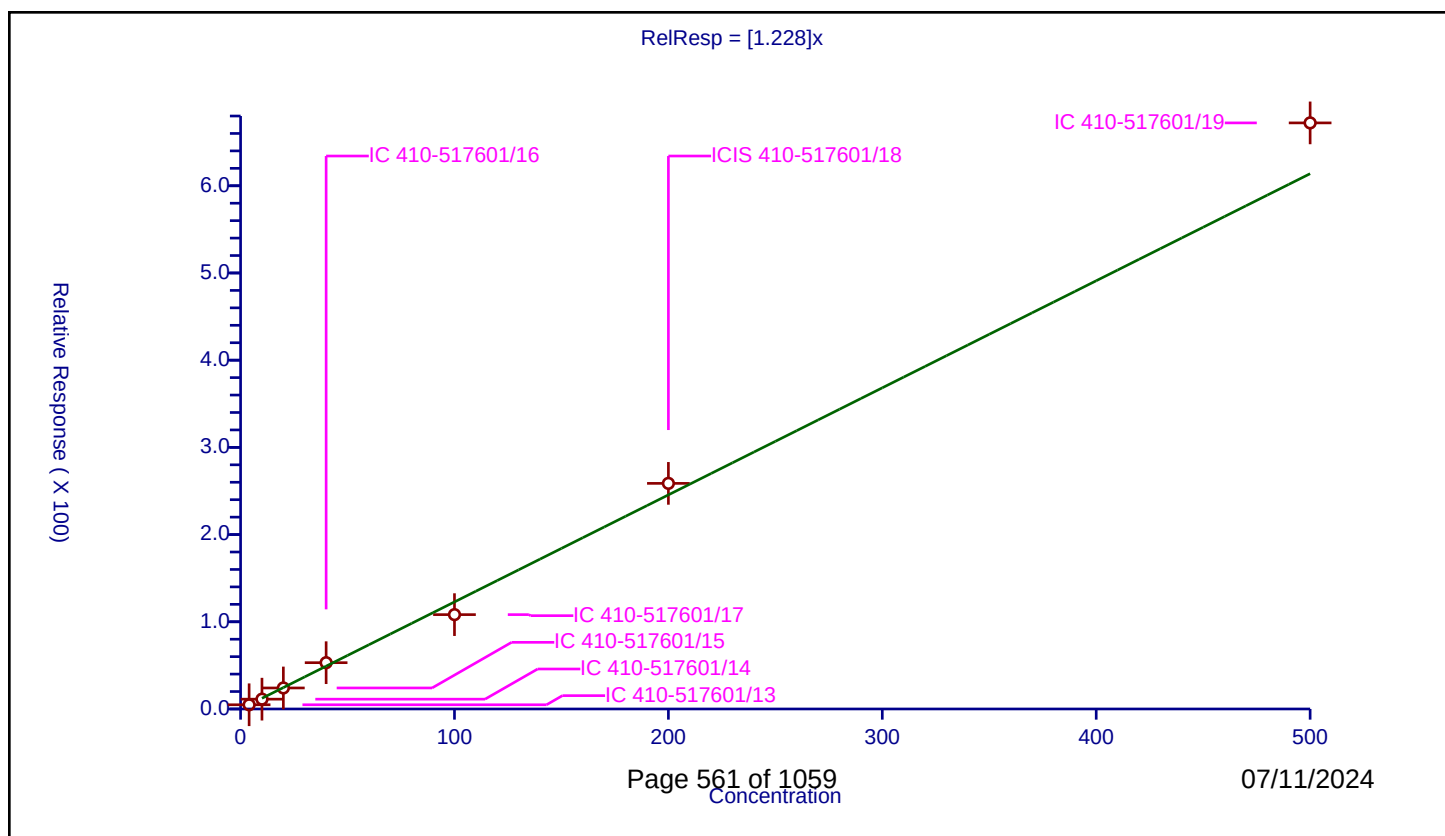
Curve Coefficients

Intercept: 0
Slope: 1.228

Error Coefficients

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	4.0	4.858084	50.0	173659.0	1.214521	Y
2	IC 410-517601/14	10.0	11.256382	50.0	188422.0	1.125638	Y
3	IC 410-517601/15	20.0	24.127259	50.0	167862.0	1.206363	Y
4	IC 410-517601/16	40.0	53.090177	50.0	164311.0	1.327254	Y
5	IC 410-517601/17	100.0	108.209702	50.0	180780.0	1.082097	Y
6	ICIS 410-517601/18	200.0	258.728981	50.0	188699.0	1.293645	Y
7	IC 410-517601/19	500.0	672.124303	50.0	188137.0	1.344249	Y



Calibration

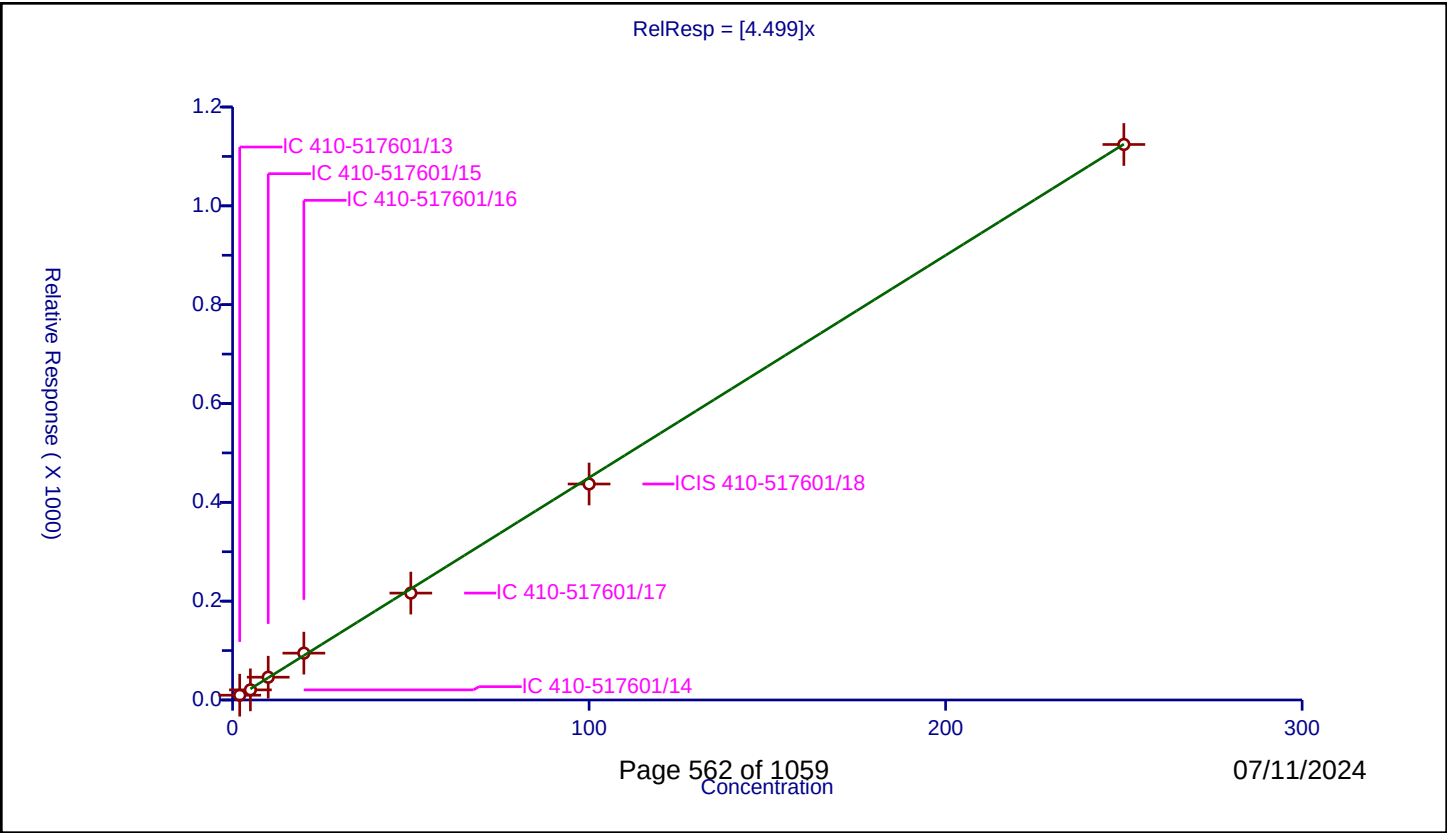
/ Methacrylonitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	4.499
Error Coefficients	

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	2.0	9.706379	50.0	173659.0	4.853189	Y
2	IC 410-517601/14	5.0	20.483277	50.0	188422.0	4.096655	Y
3	IC 410-517601/15	10.0	46.135516	50.0	167862.0	4.613552	Y
4	IC 410-517601/16	20.0	94.7715	50.0	164311.0	4.738575	Y
5	IC 410-517601/17	50.0	216.297157	50.0	180780.0	4.325943	Y
6	ICIS 410-517601/18	100.0	437.115989	50.0	188699.0	4.37116	Y
7	IC 410-517601/19	250.0	1124.159256	50.0	188137.0	4.496637	Y



Calibration

/ Tetrahydrofuran

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

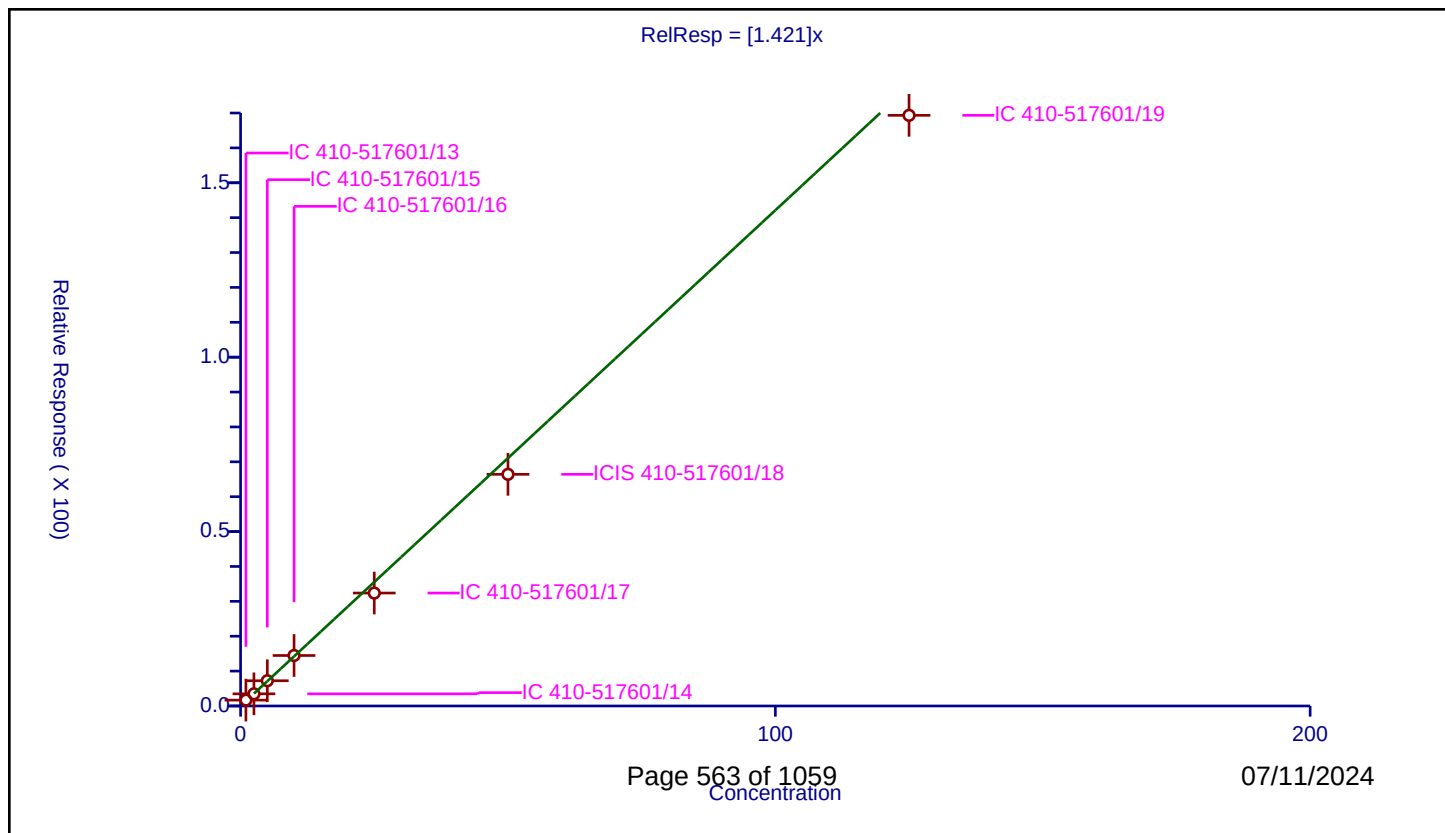
Curve Coefficients

Intercept: 0
Slope: 1.421

Error Coefficients

Relative Standard Deviation: 9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	1.0	1.682608	50.0	173659.0	1.682608	Y
2	IC 410-517601/14	2.5	3.482608	50.0	188422.0	1.393043	Y
3	IC 410-517601/15	5.0	7.236003	50.0	167862.0	1.447201	Y
4	IC 410-517601/16	10.0	14.477424	50.0	164311.0	1.447742	Y
5	IC 410-517601/17	25.0	32.376922	50.0	180780.0	1.295077	Y
6	ICIS 410-517601/18	50.0	66.415296	50.0	188699.0	1.328306	Y
7	IC 410-517601/19	125.0	169.331657	50.0	188137.0	1.354653	Y



Calibration

/ Chlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

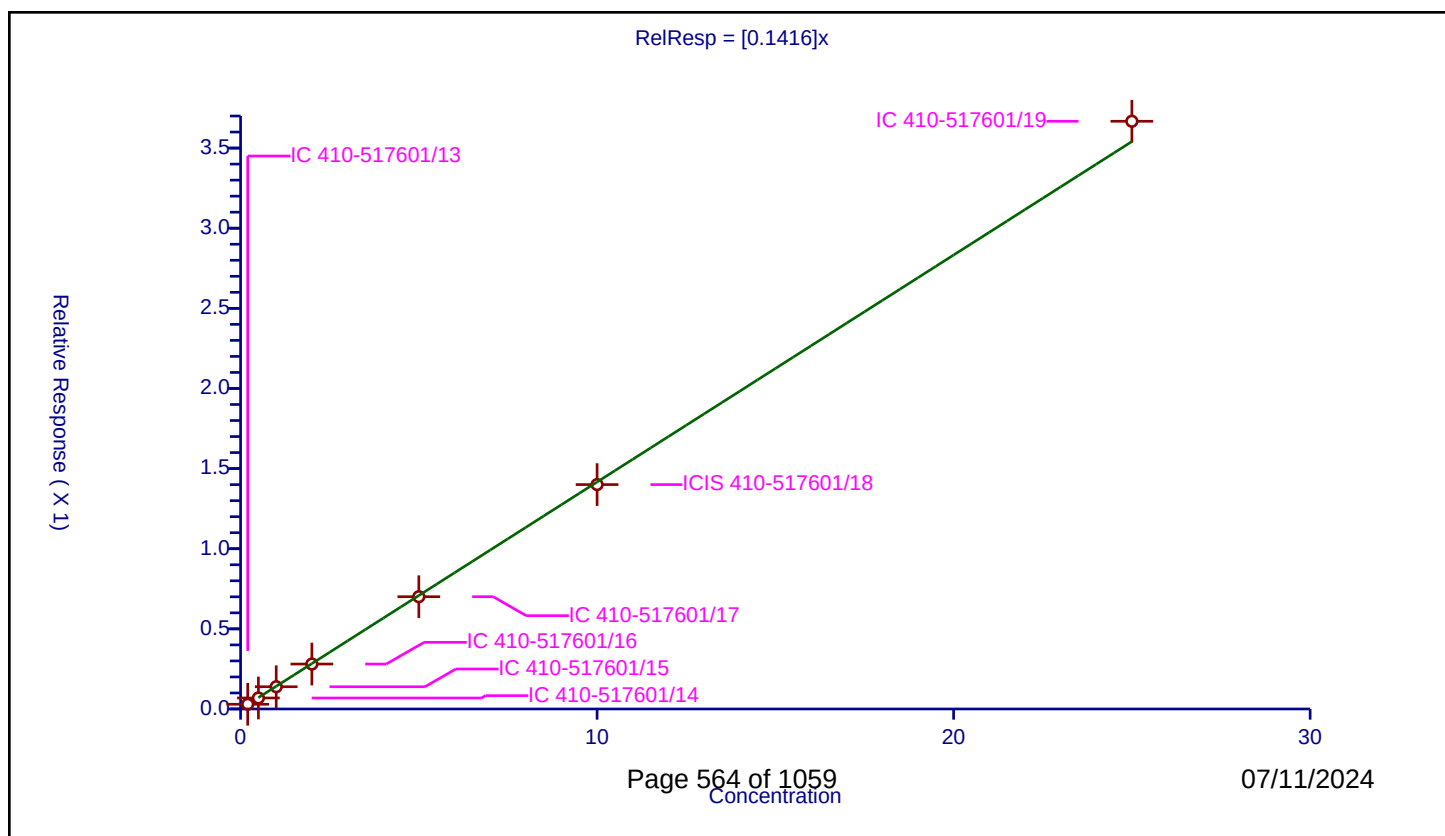
Curve Coefficients

Intercept: 0
Slope: 0.1416

Error Coefficients

Relative Standard Deviation: 2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.029612	10.0	2259919.0	0.148058	Y
2	IC 410-517601/14	0.5	0.068687	10.0	2249339.0	0.137374	Y
3	IC 410-517601/15	1.0	0.138903	10.0	2225227.0	0.138903	Y
4	IC 410-517601/16	2.0	0.280501	10.0	2217927.0	0.14025	Y
5	IC 410-517601/17	5.0	0.700544	10.0	2250394.0	0.140109	Y
6	ICIS 410-517601/18	10.0	1.400315	10.0	2282400.0	0.140032	Y
7	IC 410-517601/19	25.0	3.66727	10.0	2233108.0	0.146691	Y



Calibration

/ Chloroform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

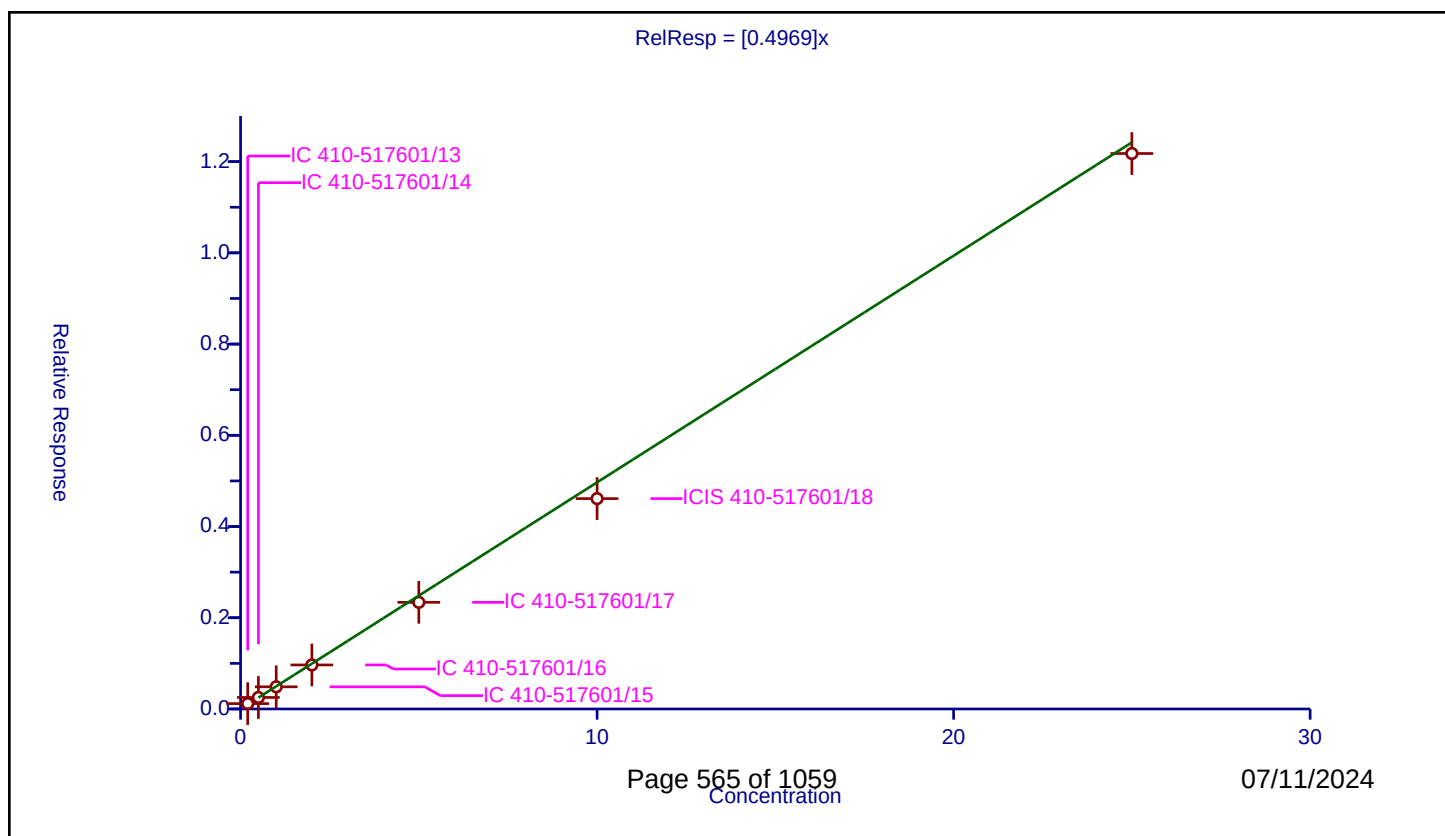
Curve Coefficients

Intercept: 0
Slope: 0.4969

Error Coefficients

Relative Standard Deviation: 8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.117615	10.0	2259919.0	0.588074	Y
2	IC 410-517601/14	0.5	0.25259	10.0	2249339.0	0.50518	Y
3	IC 410-517601/15	1.0	0.486076	10.0	2225227.0	0.486076	Y
4	IC 410-517601/16	2.0	0.965302	10.0	2217927.0	0.482651	Y
5	IC 410-517601/17	5.0	2.338204	10.0	2250394.0	0.467641	Y
6	ICIS 410-517601/18	10.0	4.612666	10.0	2282400.0	0.461267	Y
7	IC 410-517601/19	25.0	12.17779	10.0	2233108.0	0.487112	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

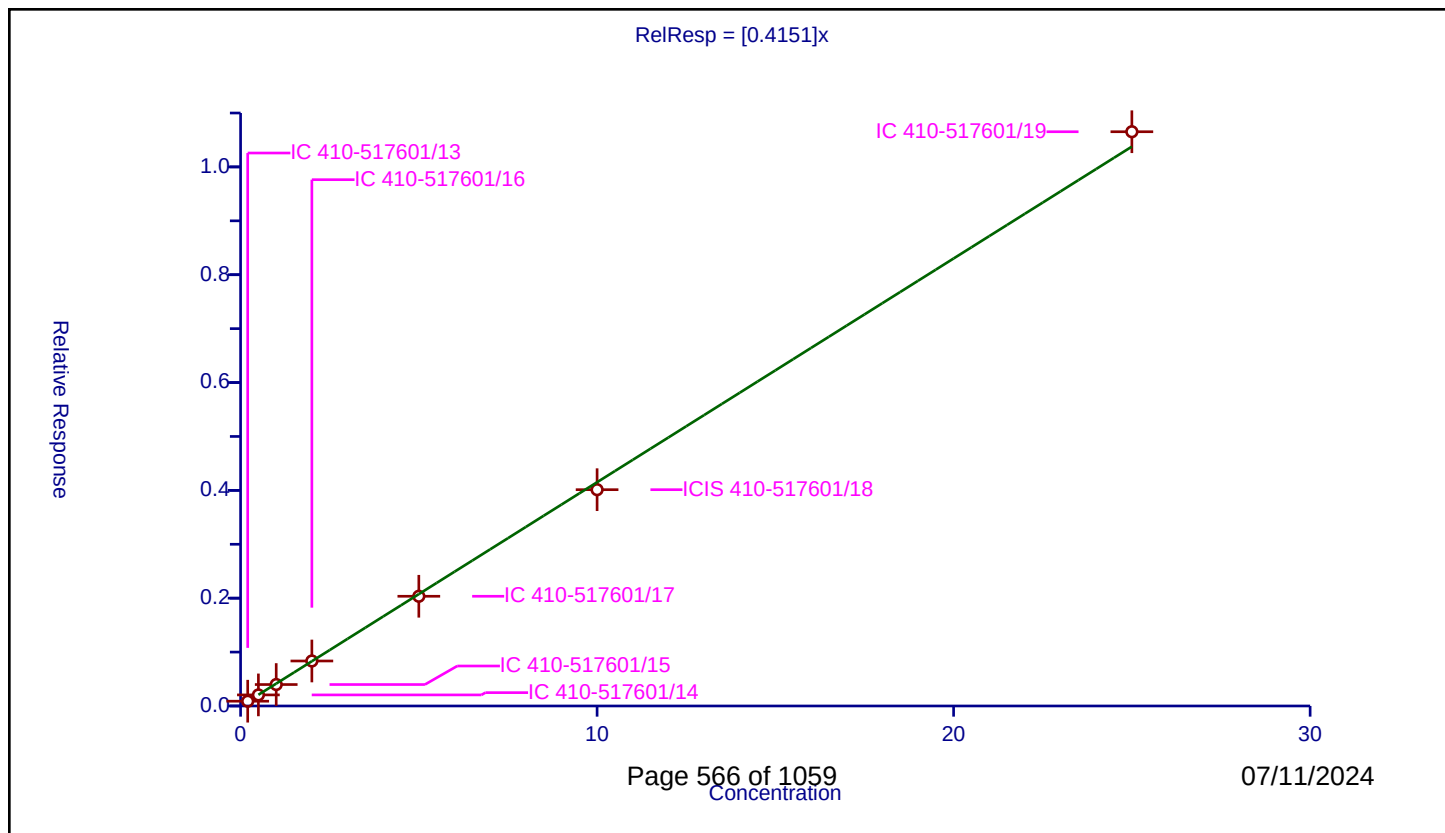
Curve Coefficients

Intercept: 0
Slope: 0.4151

Error Coefficients

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.088981	10.0	2259919.0	0.444905	Y
2	IC 410-517601/14	0.5	0.205291	10.0	2249339.0	0.410583	Y
3	IC 410-517601/15	1.0	0.398148	10.0	2225227.0	0.398148	Y
4	IC 410-517601/16	2.0	0.834883	10.0	2217927.0	0.417442	Y
5	IC 410-517601/17	5.0	2.035257	10.0	2250394.0	0.407051	Y
6	ICIS 410-517601/18	10.0	4.012504	10.0	2282400.0	0.40125	Y
7	IC 410-517601/19	25.0	10.652839	10.0	2233108.0	0.426114	Y



Calibration

/ Dibromofluoromethane (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

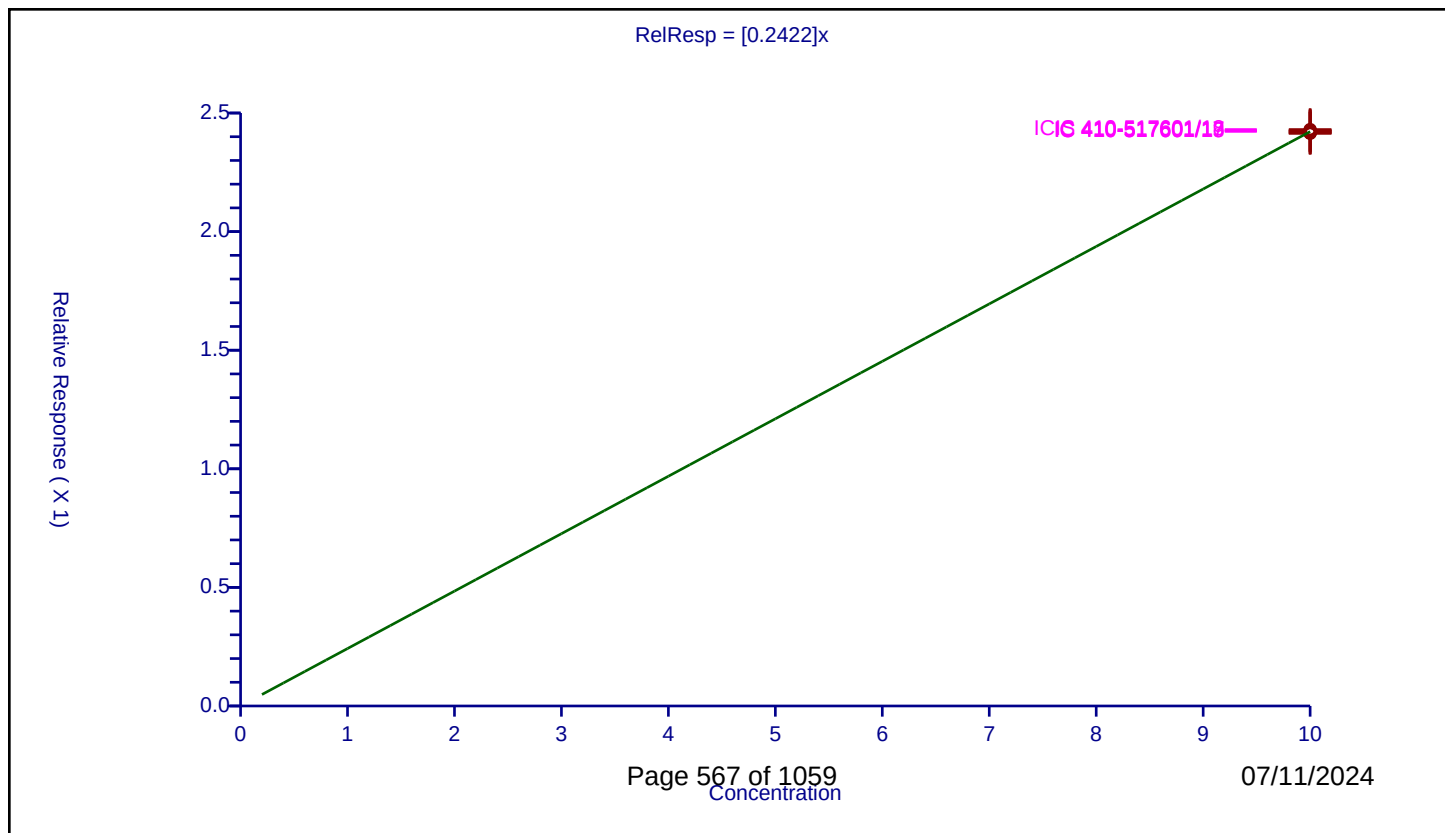
Curve Coefficients

Intercept: 0
 Slope: 0.2422

Error Coefficients

Relative Standard Deviation: 0.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	10.0	2.424976	10.0	2259919.0	0.242498	Y
2	IC 410-517601/14	10.0	2.414514	10.0	2249339.0	0.241451	Y
3	IC 410-517601/15	10.0	2.416198	10.0	2225227.0	0.24162	Y
4	IC 410-517601/16	10.0	2.416649	10.0	2217927.0	0.241665	Y
5	IC 410-517601/17	10.0	2.426317	10.0	2250394.0	0.242632	Y
6	ICIS 410-517601/18	10.0	2.430297	10.0	2282400.0	0.24303	Y
7	IC 410-517601/19	10.0	2.422771	10.0	2233108.0	0.242277	Y



Calibration

/ Cyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

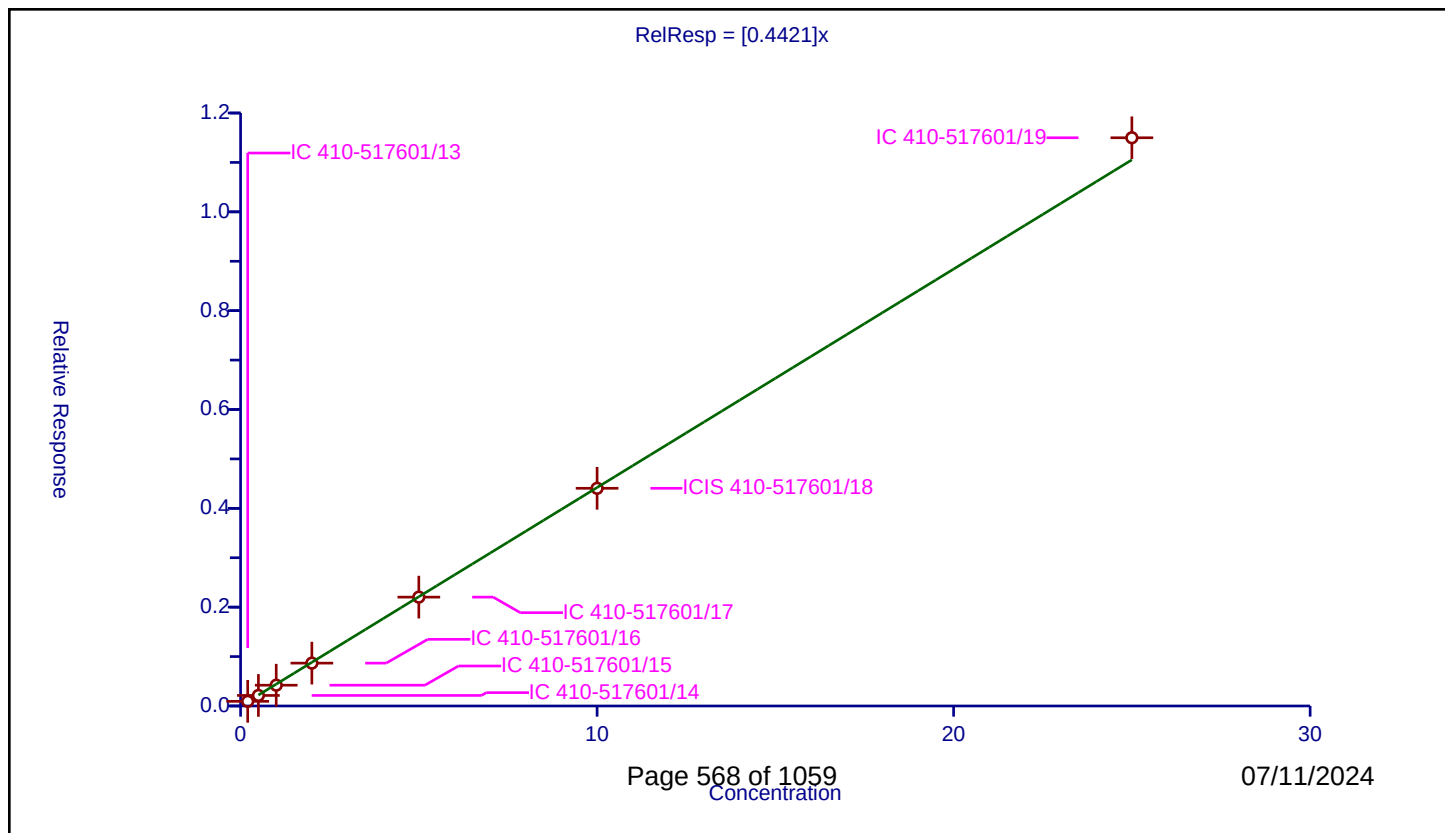
Curve Coefficients

Intercept: 0
Slope: 0.4421

Error Coefficients

Relative Standard Deviation: 4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.094357	10.0	2259919.0	0.471787	Y
2	IC 410-517601/14	0.5	0.213654	10.0	2249339.0	0.427308	Y
3	IC 410-517601/15	1.0	0.420789	10.0	2225227.0	0.420789	Y
4	IC 410-517601/16	2.0	0.867229	10.0	2217927.0	0.433614	Y
5	IC 410-517601/17	5.0	2.203379	10.0	2250394.0	0.440676	Y
6	ICIS 410-517601/18	10.0	4.405542	10.0	2282400.0	0.440554	Y
7	IC 410-517601/19	25.0	11.499309	10.0	2233108.0	0.459972	Y

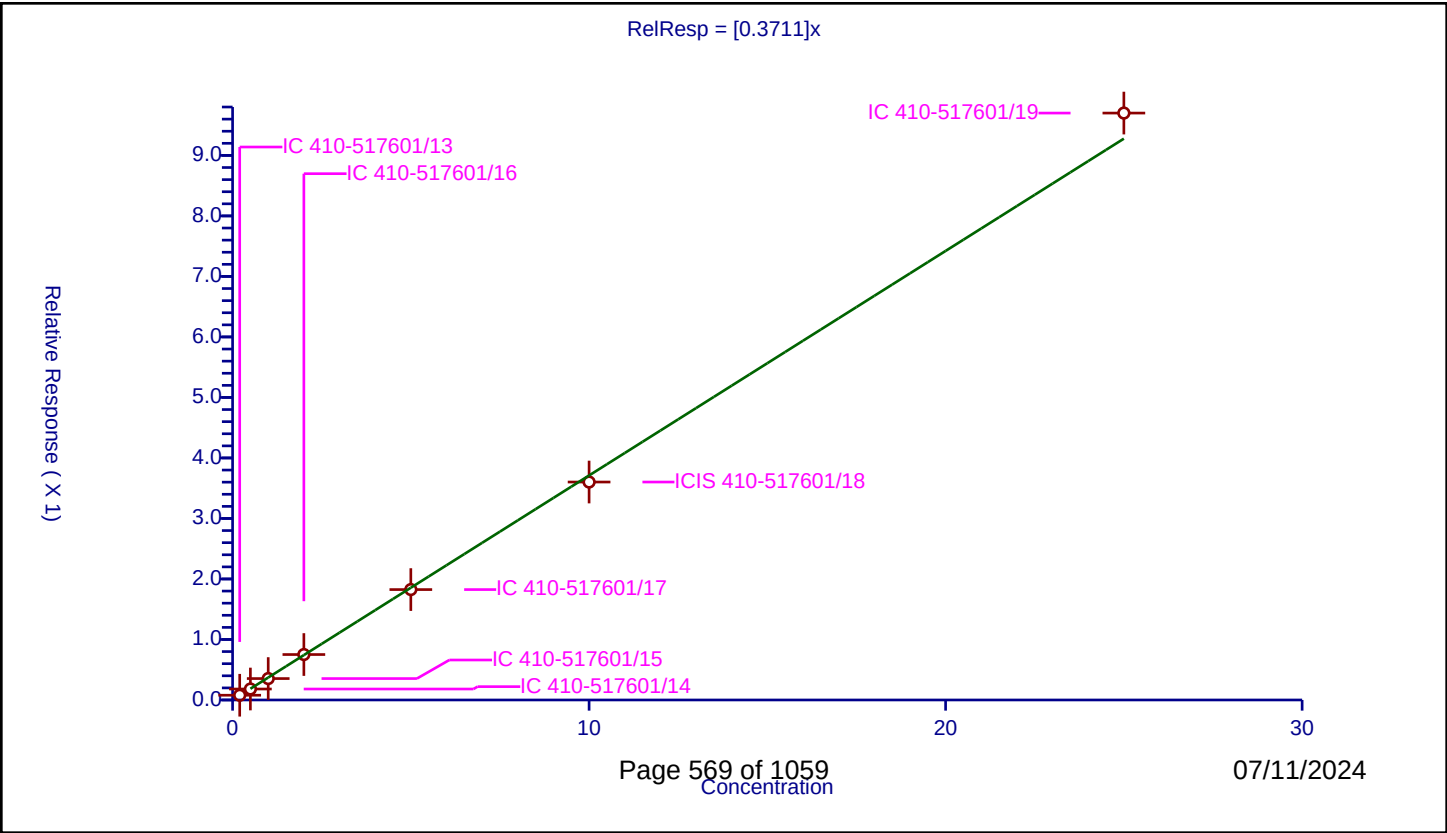


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3711
Error Coefficients	

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.078445	10.0	2259919.0	0.392226	Y
2	IC 410-517601/14	0.5	0.181253	10.0	2249339.0	0.362506	Y
3	IC 410-517601/15	1.0	0.354004	10.0	2225227.0	0.354004	Y
4	IC 410-517601/16	2.0	0.751183	10.0	2217927.0	0.375592	Y
5	IC 410-517601/17	5.0	1.824783	10.0	2250394.0	0.364957	Y
6	ICIS 410-517601/18	10.0	3.60227	10.0	2282400.0	0.360227	Y
7	IC 410-517601/19	25.0	9.700118	10.0	2233108.0	0.388005	Y



Calibration

/ Carbon tetrachloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

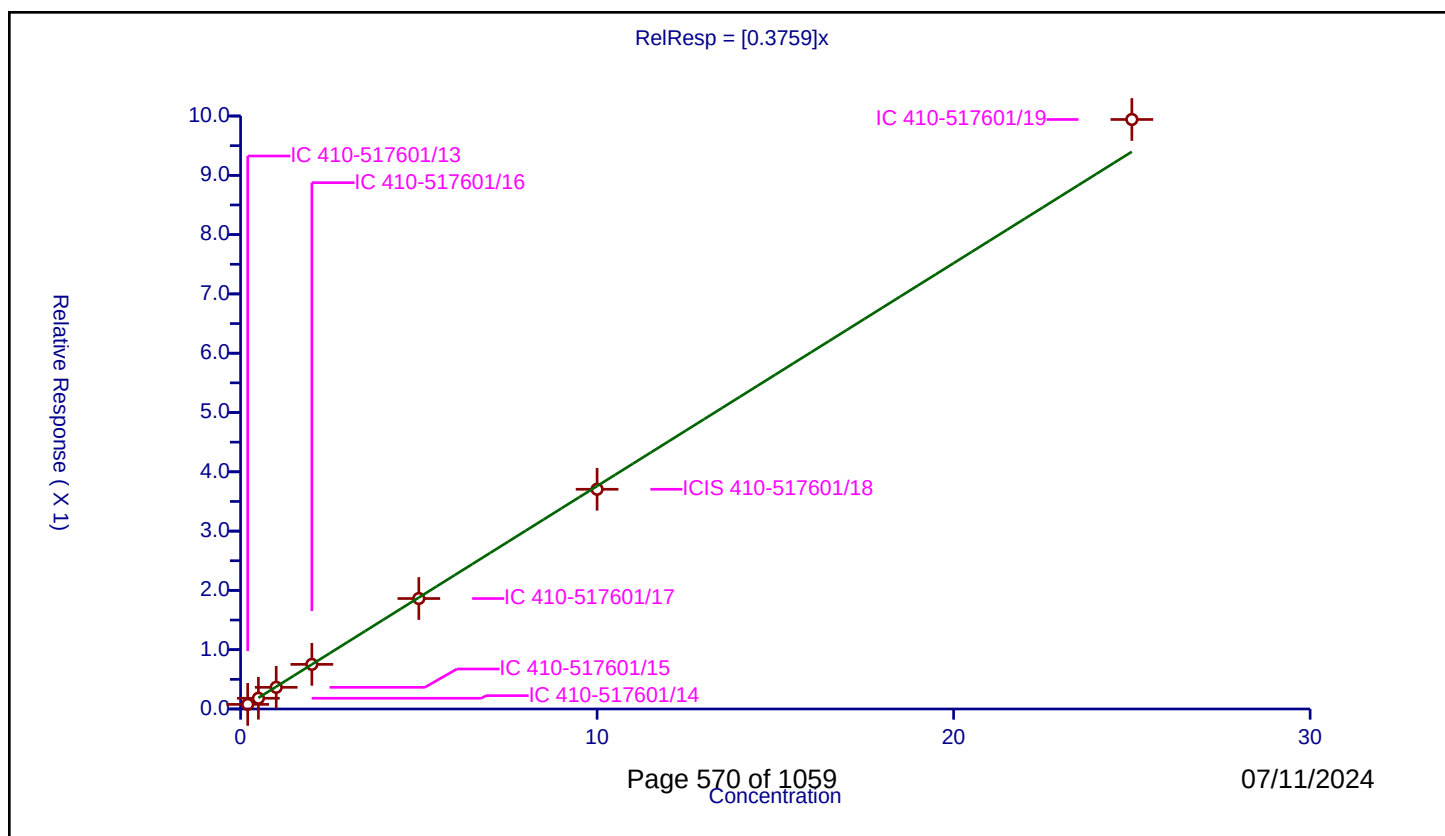
Curve Coefficients

Intercept: 0
Slope: 0.3759

Error Coefficients

Relative Standard Deviation: 3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.077414	10.0	2259919.0	0.387071	Y
2	IC 410-517601/14	0.5	0.181067	10.0	2249339.0	0.362133	Y
3	IC 410-517601/15	1.0	0.365167	10.0	2225227.0	0.365167	Y
4	IC 410-517601/16	2.0	0.752378	10.0	2217927.0	0.376189	Y
5	IC 410-517601/17	5.0	1.86314	10.0	2250394.0	0.372628	Y
6	ICIS 410-517601/18	10.0	3.705288	10.0	2282400.0	0.370529	Y
7	IC 410-517601/19	25.0	9.941633	10.0	2233108.0	0.397665	Y



Calibration

/ Isobutyl alcohol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

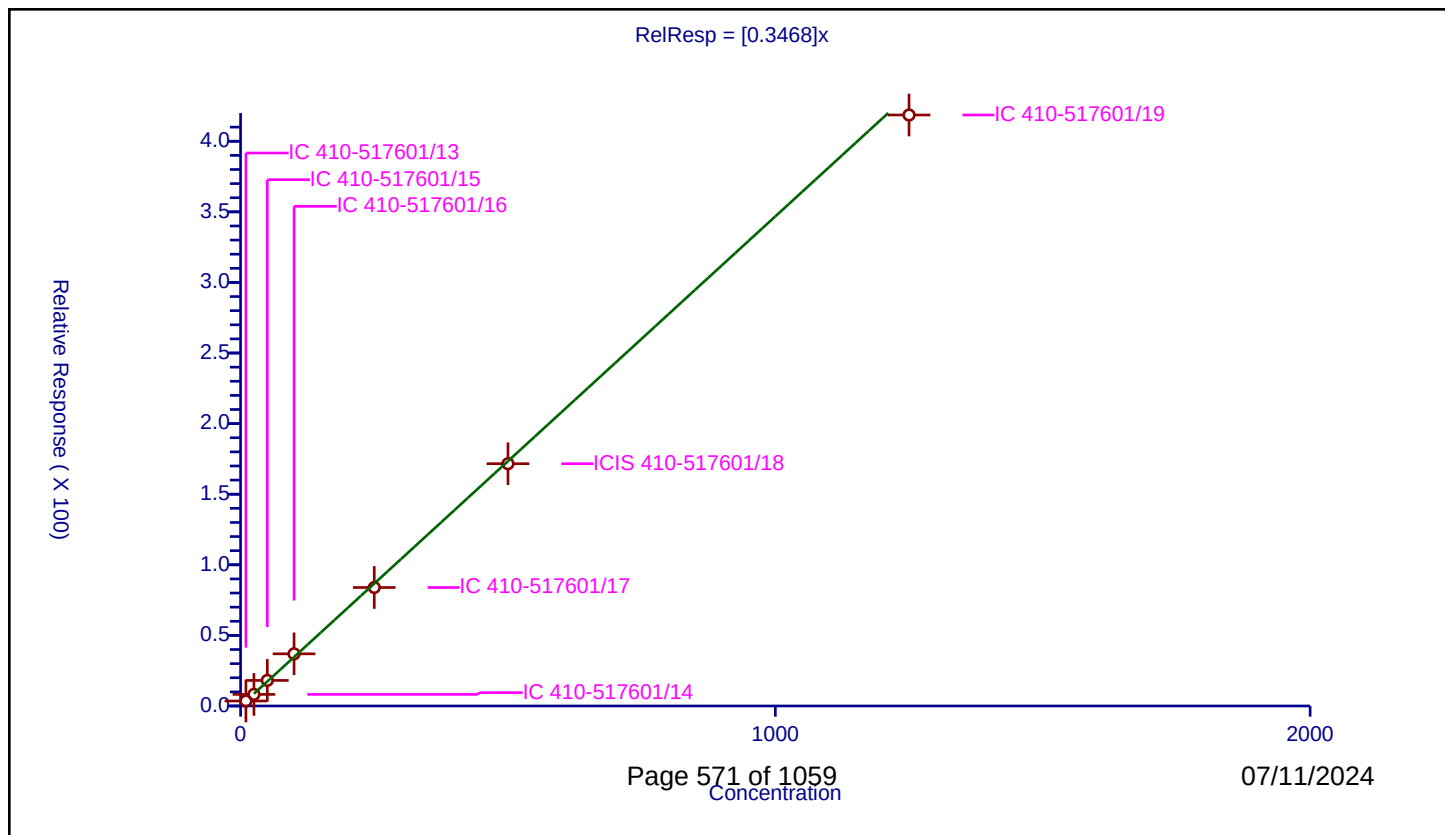
Curve Coefficients

Intercept: 0
Slope: 0.3468

Error Coefficients

Relative Standard Deviation: 4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	10.0	3.538256	50.0	173659.0	0.353826	Y
2	IC 410-517601/14	25.0	8.210294	50.0	188422.0	0.328412	Y
3	IC 410-517601/15	50.0	18.105944	50.0	167862.0	0.362119	Y
4	IC 410-517601/16	100.0	36.934228	50.0	164311.0	0.369342	Y
5	IC 410-517601/17	250.0	83.928255	50.0	180780.0	0.335713	Y
6	ICIS 410-517601/18	500.0	171.598684	50.0	188699.0	0.343197	Y
7	IC 410-517601/19	1250.0	418.597883	50.0	188137.0	0.334878	Y



Calibration

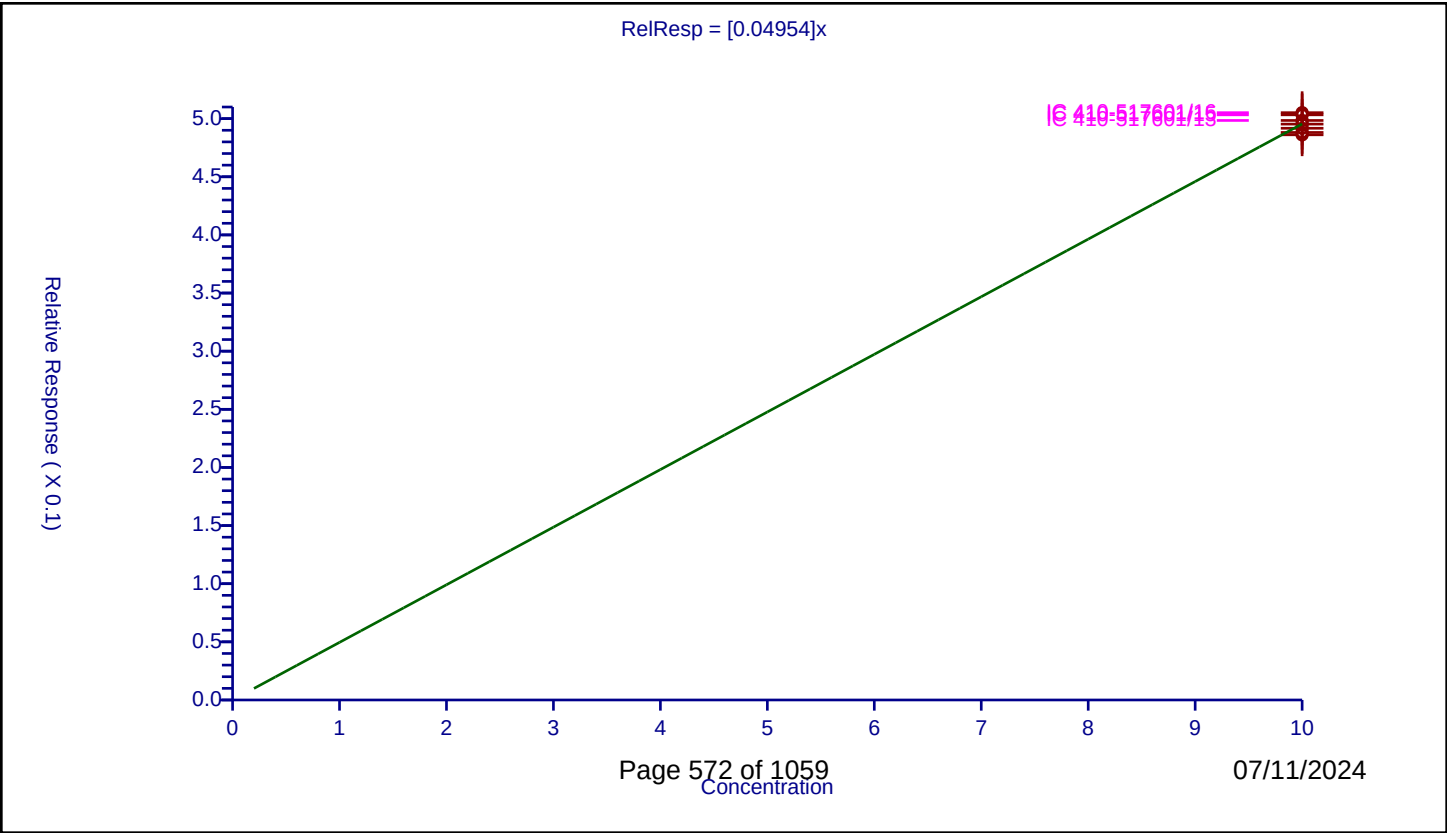
/ 1,2-Dichloroethane-d4 (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.04954

Error Coefficients	
Relative Standard Deviation:	1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	10.0	0.498429	10.0	2259919.0	0.049843	Y
2	IC 410-517601/14	10.0	0.486103	10.0	2249339.0	0.04861	Y
3	IC 410-517601/15	10.0	0.503288	10.0	2225227.0	0.050329	Y
4	IC 410-517601/16	10.0	0.505143	10.0	2217927.0	0.050514	Y
5	IC 410-517601/17	10.0	0.495309	10.0	2250394.0	0.049531	Y
6	ICIS 410-517601/18	10.0	0.488109	10.0	2282400.0	0.048811	Y
7	IC 410-517601/19	10.0	0.491723	10.0	2233108.0	0.049172	Y

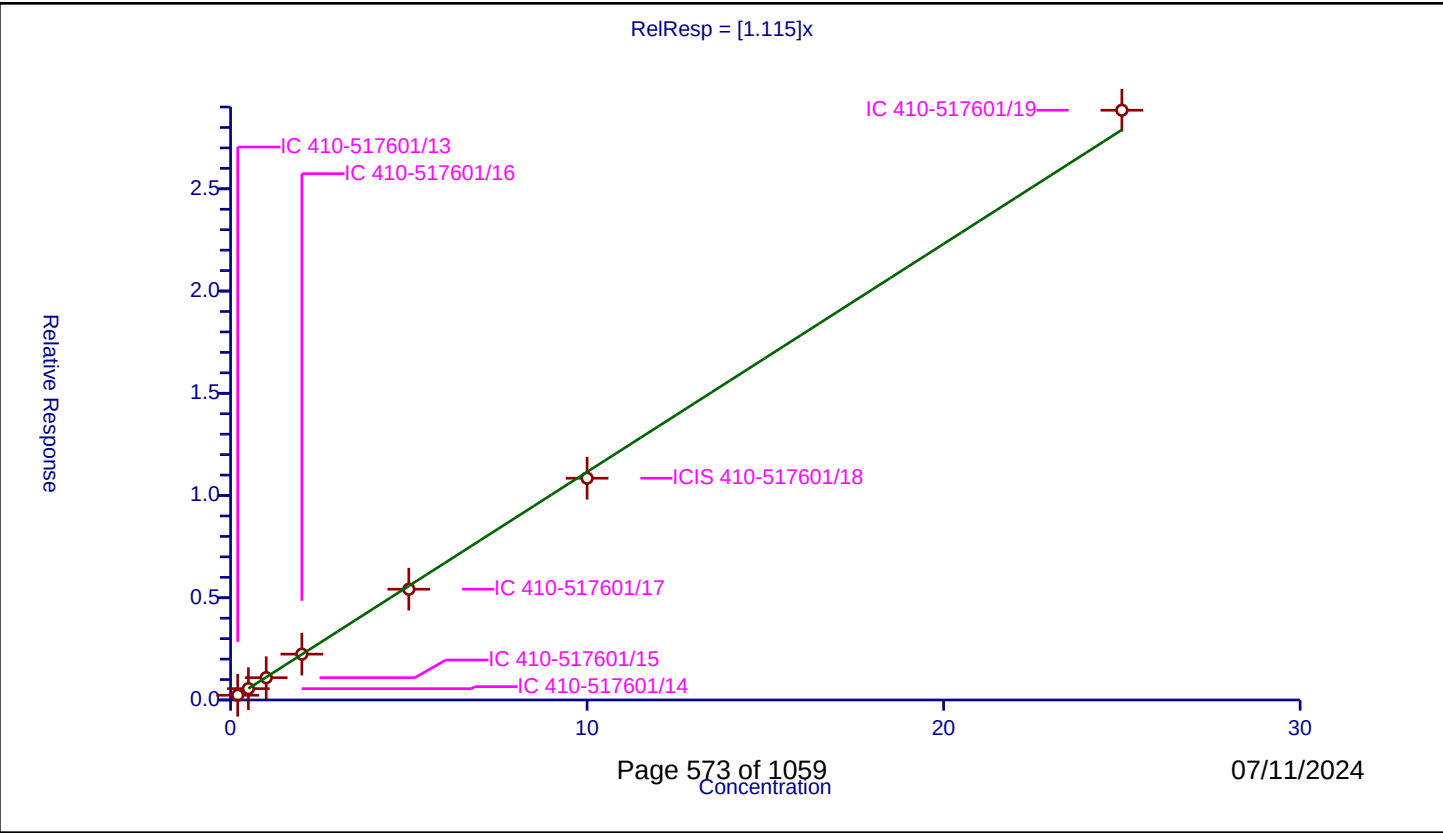


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.115
Error Coefficients	

Relative Standard Deviation: 2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.232561	10.0	2259919.0	1.162807	Y
2	IC 410-517601/14	0.5	0.555292	10.0	2249339.0	1.110584	Y
3	IC 410-517601/15	1.0	1.090608	10.0	2225227.0	1.090608	Y
4	IC 410-517601/16	2.0	2.24208	10.0	2217927.0	1.12104	Y
5	IC 410-517601/17	5.0	5.417625	10.0	2250394.0	1.083525	Y
6	ICIS 410-517601/18	10.0	10.84639	10.0	2282400.0	1.084639	Y
7	IC 410-517601/19	25.0	28.842873	10.0	2233108.0	1.153715	Y



Calibration

/ 1,2-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

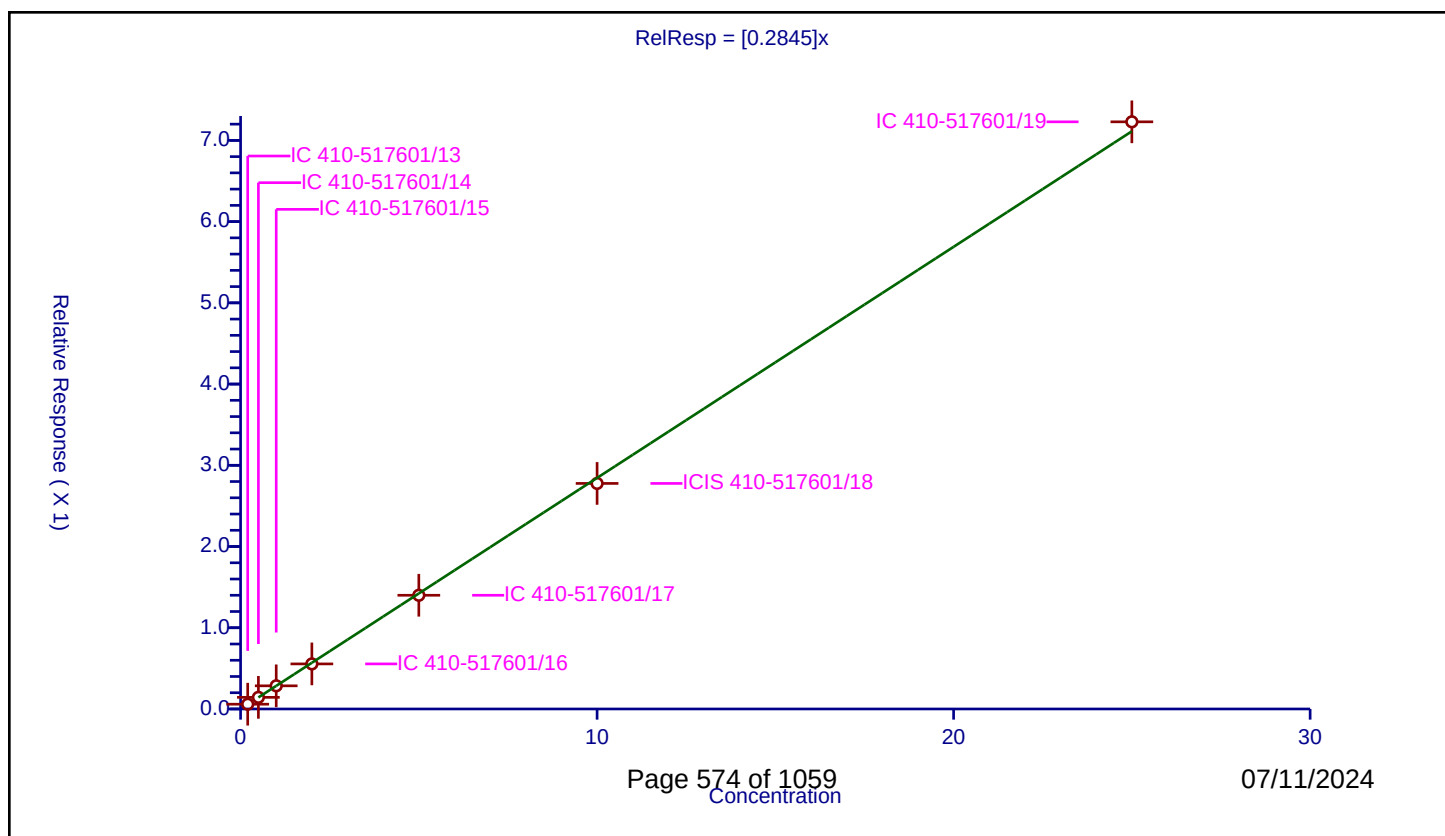
Curve Coefficients

Intercept: 0
Slope: 0.2845

Error Coefficients

Relative Standard Deviation: 2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.059011	10.0	2259919.0	0.295055	Y
2	IC 410-517601/14	0.5	0.143375	10.0	2249339.0	0.286751	Y
3	IC 410-517601/15	1.0	0.285243	10.0	2225227.0	0.285243	Y
4	IC 410-517601/16	2.0	0.554888	10.0	2217927.0	0.277444	Y
5	IC 410-517601/17	5.0	1.400022	10.0	2250394.0	0.280004	Y
6	ICIS 410-517601/18	10.0	2.776897	10.0	2282400.0	0.27769	Y
7	IC 410-517601/19	25.0	7.22841	10.0	2233108.0	0.289136	Y



Calibration

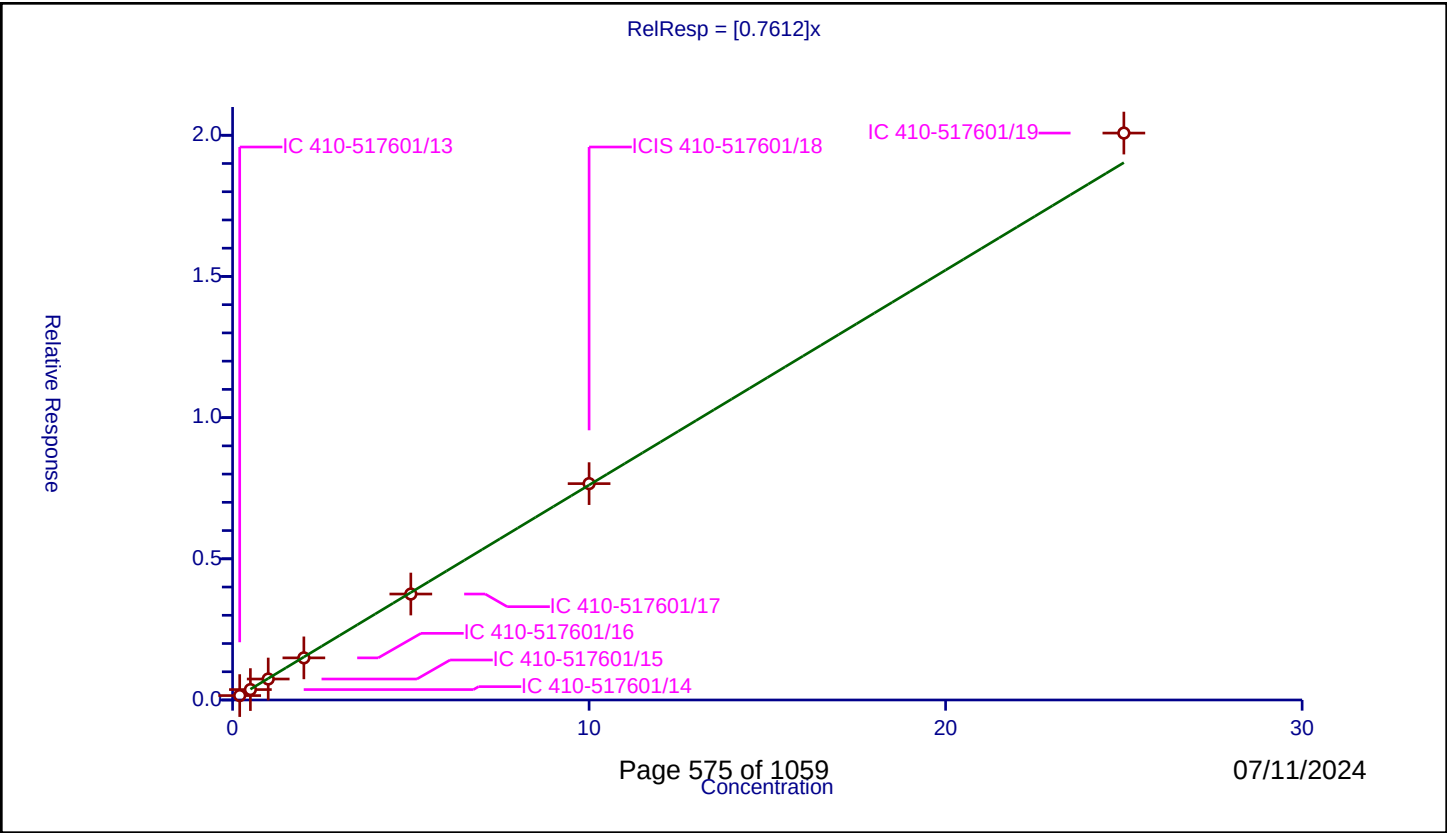
/ Tert-amyl methyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7612

Error Coefficients	
Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.156373	10.0	2259919.0	0.781864	Y
2	IC 410-517601/14	0.5	0.368944	10.0	2249339.0	0.737888	Y
3	IC 410-517601/15	1.0	0.742985	10.0	2225227.0	0.742985	Y
4	IC 410-517601/16	2.0	1.491871	10.0	2217927.0	0.745935	Y
5	IC 410-517601/17	5.0	3.75233	10.0	2250394.0	0.750466	Y
6	ICIS 410-517601/18	10.0	7.662728	10.0	2282400.0	0.766273	Y
7	IC 410-517601/19	25.0	20.077032	10.0	2233108.0	0.803081	Y



Calibration

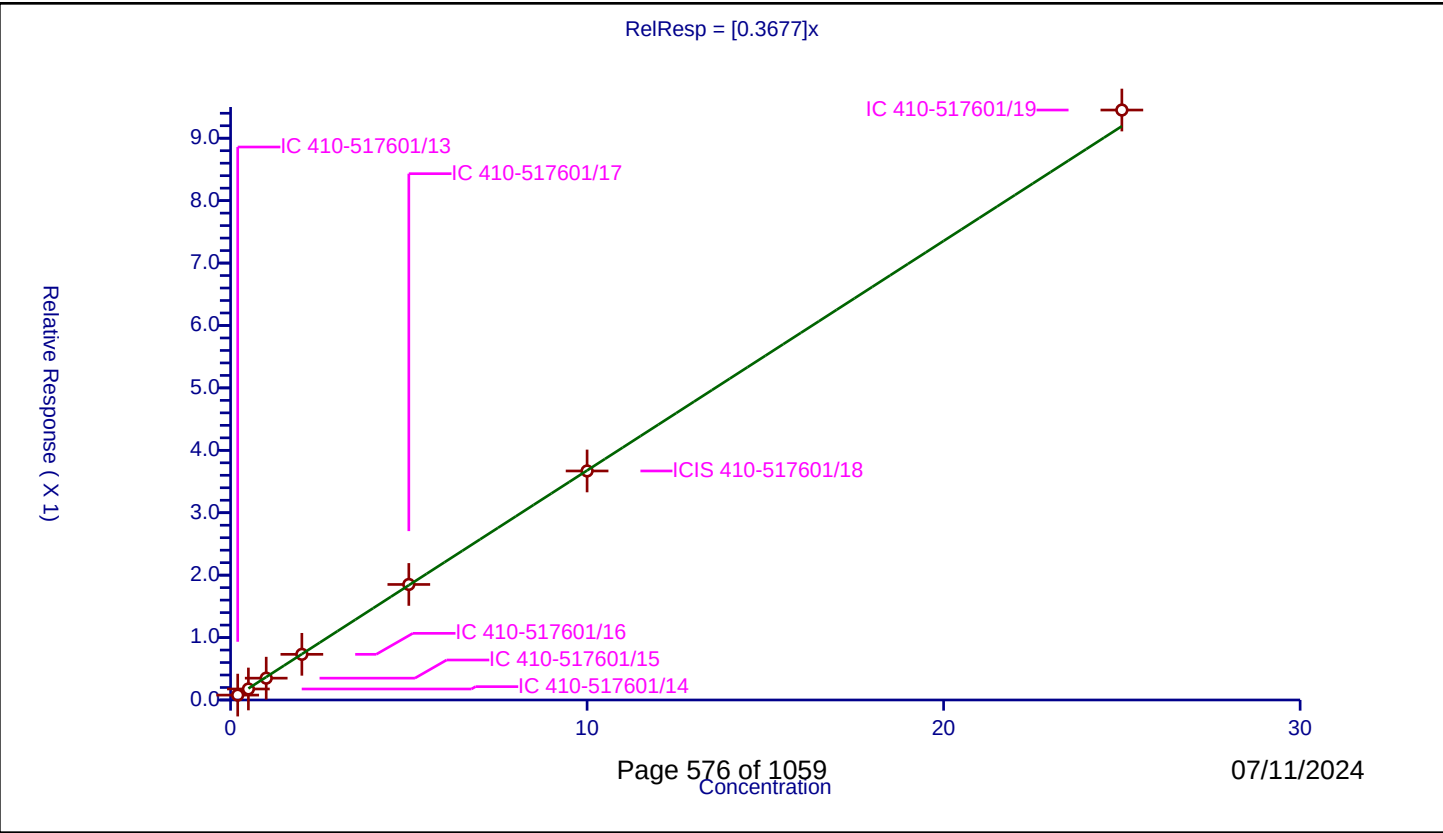
/ n-Heptane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3677
Error Coefficients	

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.078189	10.0	2259919.0	0.390943	Y
2	IC 410-517601/14	0.5	0.176207	10.0	2249339.0	0.352415	Y
3	IC 410-517601/15	1.0	0.349749	10.0	2225227.0	0.349749	Y
4	IC 410-517601/16	2.0	0.731557	10.0	2217927.0	0.365778	Y
5	IC 410-517601/17	5.0	1.850778	10.0	2250394.0	0.370156	Y
6	ICIS 410-517601/18	10.0	3.669401	10.0	2282400.0	0.36694	Y
7	IC 410-517601/19	25.0	9.451554	10.0	2233108.0	0.378062	Y



Calibration

/ n-Butanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

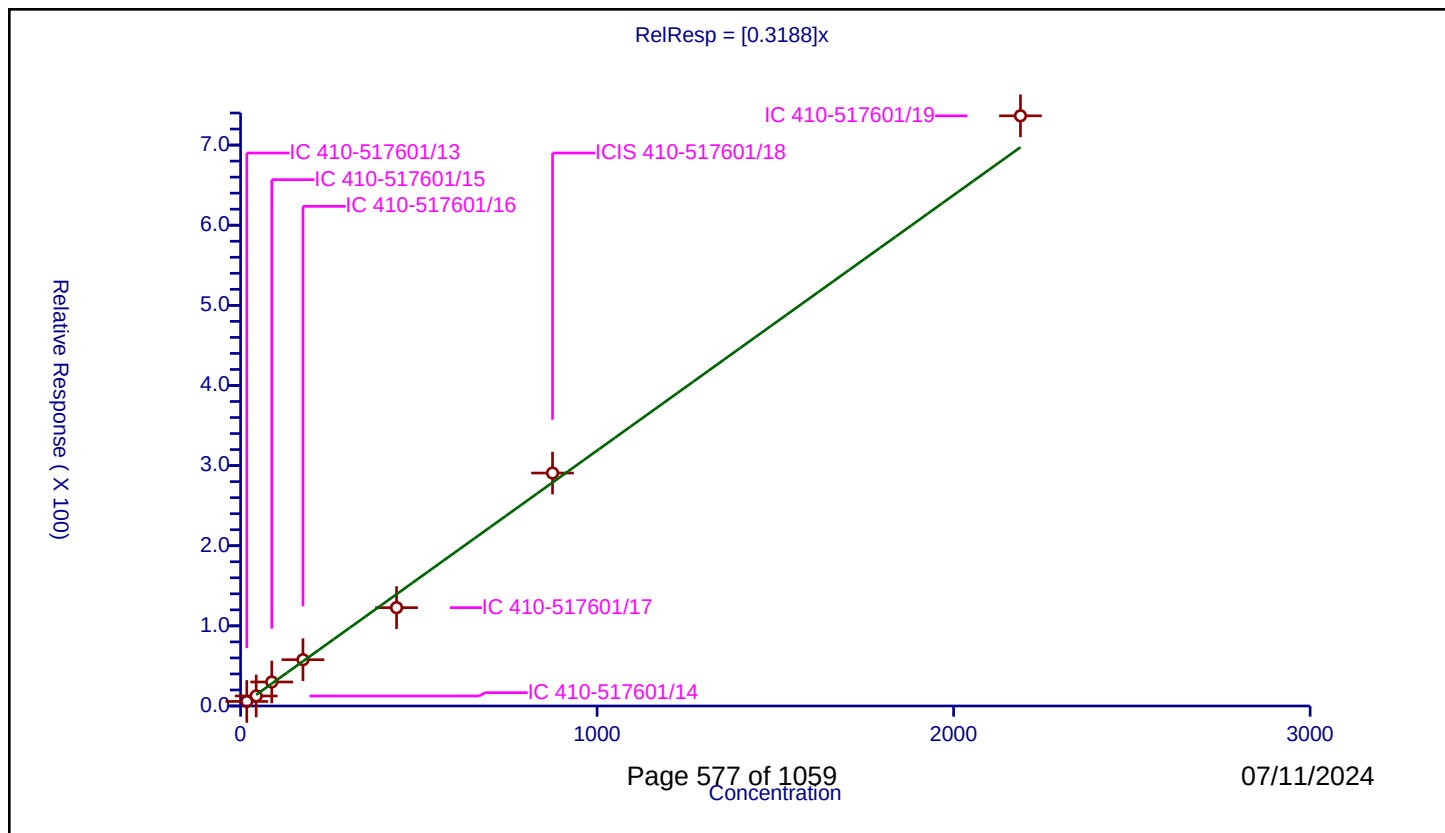
Curve Coefficients

Intercept: 0
Slope: 0.3188

Error Coefficients

Relative Standard Deviation: 7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	17.5	5.661094	50.0	173659.0	0.323491	Y
2	IC 410-517601/14	43.75	12.500133	50.0	188422.0	0.285717	Y
3	IC 410-517601/15	87.5	29.980877	50.0	167862.0	0.342639	Y
4	IC 410-517601/16	175.0	57.767891	50.0	164311.0	0.330102	Y
5	IC 410-517601/17	437.5	122.706605	50.0	180780.0	0.280472	Y
6	ICIS 410-517601/18	875.0	290.720672	50.0	188699.0	0.332252	Y
7	IC 410-517601/19	2187.5	736.502655	50.0	188137.0	0.336687	Y



Calibration

/ Trichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

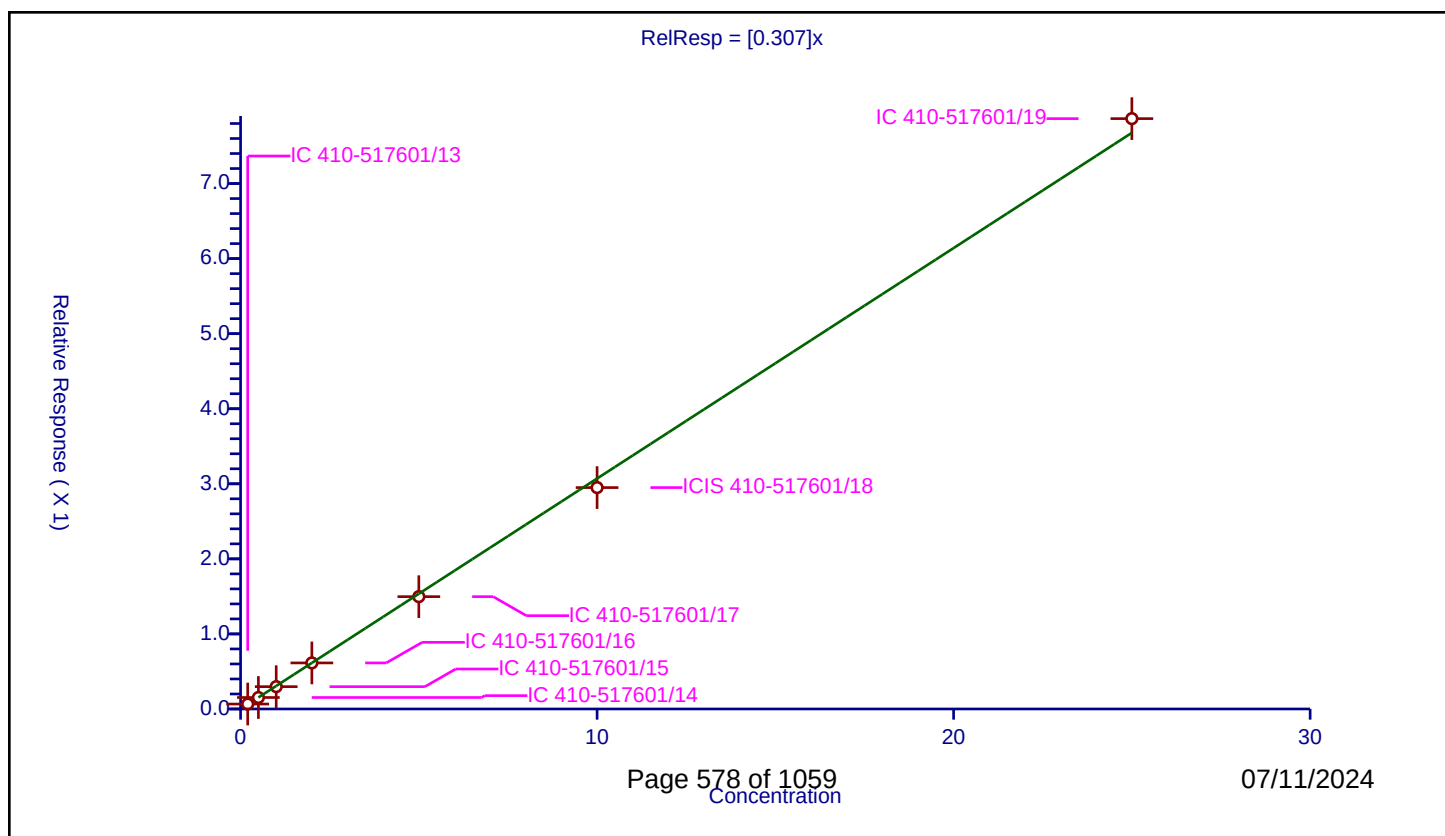
Curve Coefficients

Intercept: 0
Slope: 0.307

Error Coefficients

Relative Standard Deviation: 4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.066064	10.0	2259919.0	0.330322	Y
2	IC 410-517601/14	0.5	0.152832	10.0	2249339.0	0.305663	Y
3	IC 410-517601/15	1.0	0.297583	10.0	2225227.0	0.297583	Y
4	IC 410-517601/16	2.0	0.613591	10.0	2217927.0	0.306795	Y
5	IC 410-517601/17	5.0	1.496751	10.0	2250394.0	0.29935	Y
6	ICIS 410-517601/18	10.0	2.949641	10.0	2282400.0	0.294964	Y
7	IC 410-517601/19	25.0	7.865356	10.0	2233108.0	0.314614	Y



Calibration

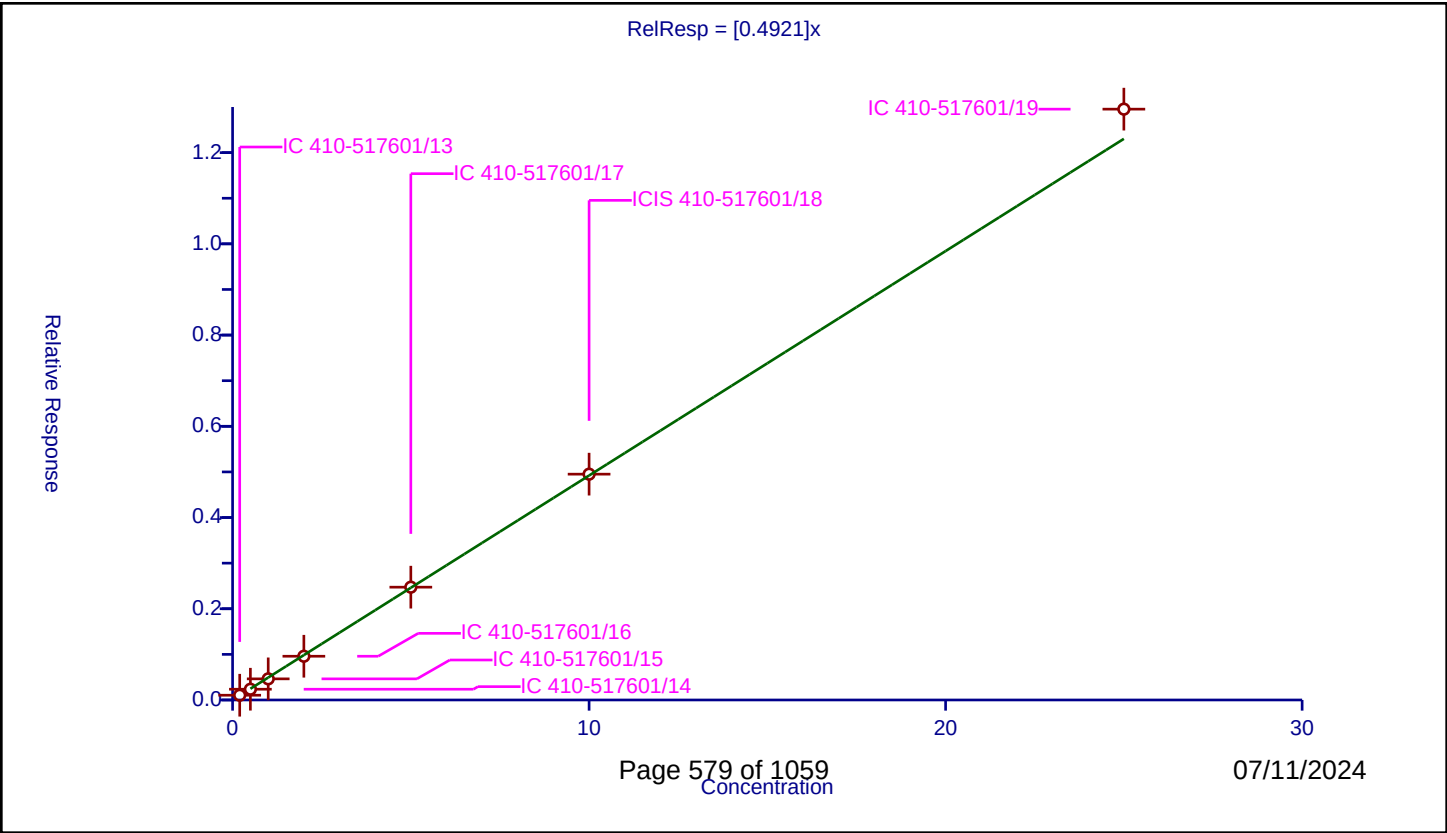
/ Methylcyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4921
Error Coefficients	

Relative Standard Deviation: 4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.104535	10.0	2259919.0	0.522674	Y
2	IC 410-517601/14	0.5	0.235687	10.0	2249339.0	0.471374	Y
3	IC 410-517601/15	1.0	0.463476	10.0	2225227.0	0.463476	Y
4	IC 410-517601/16	2.0	0.958801	10.0	2217927.0	0.4794	Y
5	IC 410-517601/17	5.0	2.47302	10.0	2250394.0	0.494604	Y
6	ICIS 410-517601/18	10.0	4.950719	10.0	2282400.0	0.495072	Y
7	IC 410-517601/19	25.0	12.95344	10.0	2233108.0	0.518138	Y



Calibration

/ 1,2-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

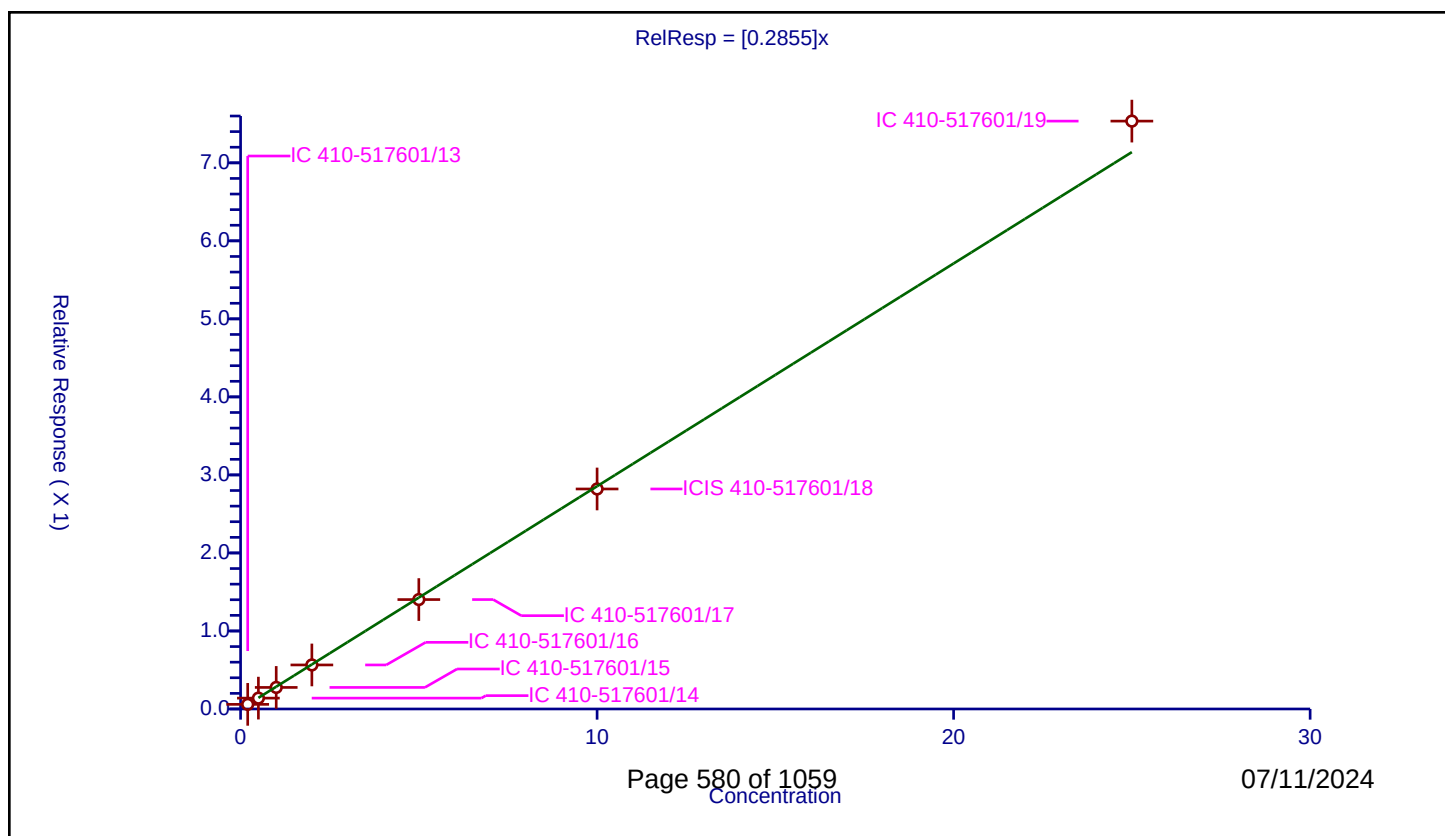
Curve Coefficients

Intercept: 0
Slope: 0.2855

Error Coefficients

Relative Standard Deviation: 3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.059414	10.0	2259919.0	0.297068	Y
2	IC 410-517601/14	0.5	0.139401	10.0	2249339.0	0.278802	Y
3	IC 410-517601/15	1.0	0.276435	10.0	2225227.0	0.276435	Y
4	IC 410-517601/16	2.0	0.564568	10.0	2217927.0	0.282284	Y
5	IC 410-517601/17	5.0	1.402354	10.0	2250394.0	0.280471	Y
6	ICIS 410-517601/18	10.0	2.819979	10.0	2282400.0	0.281998	Y
7	IC 410-517601/19	25.0	7.534562	10.0	2233108.0	0.301382	Y



Calibration

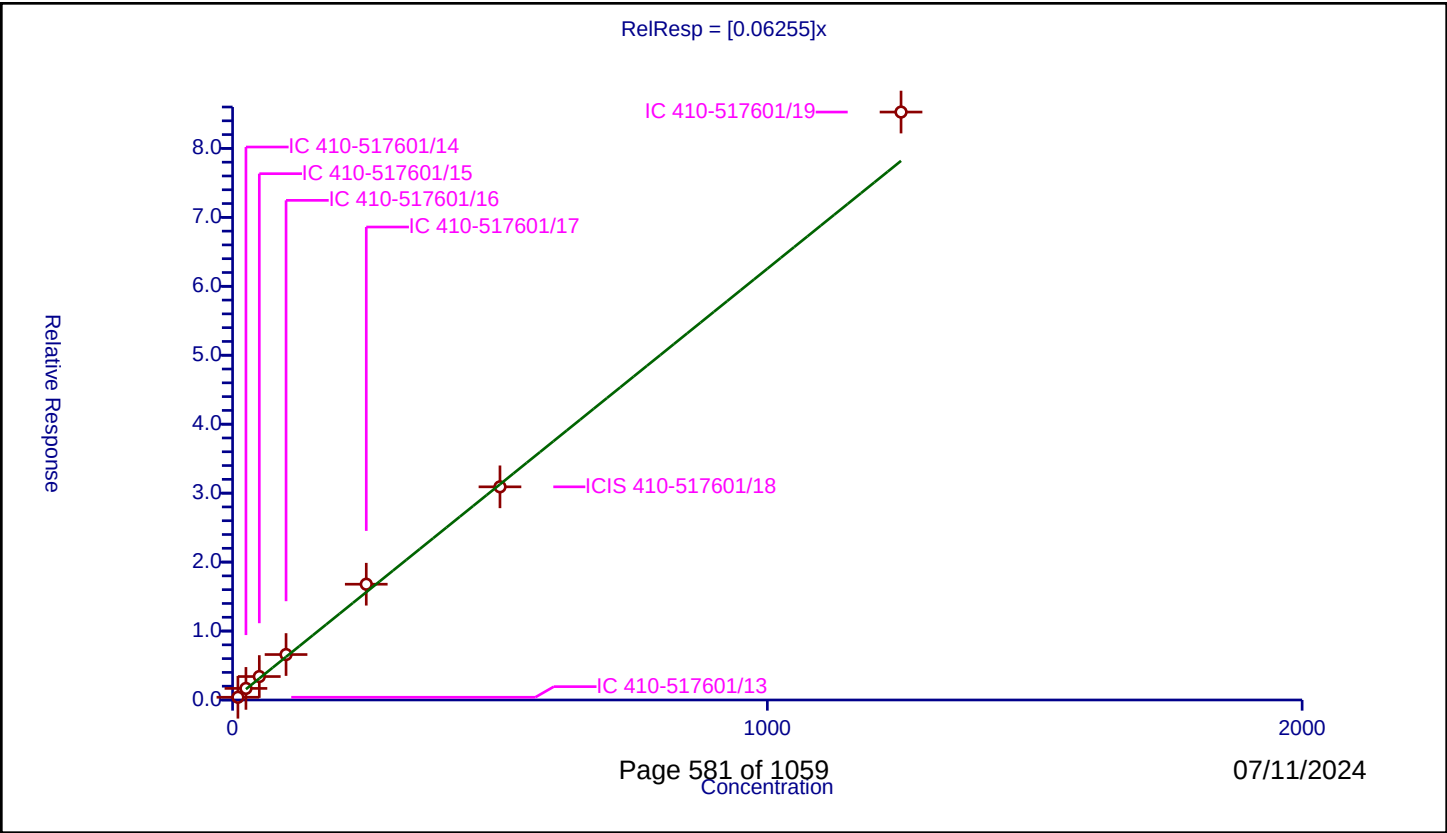
/ 1,4-Dioxane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.06255
Error Coefficients	

Relative Standard Deviation: 16.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	10.0	0.395027	50.0	173659.0	0.039503	Y
2	IC 410-517601/14	25.0	1.680271	50.0	188422.0	0.067211	Y
3	IC 410-517601/15	50.0	3.401008	50.0	167862.0	0.06802	Y
4	IC 410-517601/16	100.0	6.592377	50.0	164311.0	0.065924	Y
5	IC 410-517601/17	250.0	16.790298	50.0	180780.0	0.067161	Y
6	ICIS 410-517601/18	500.0	30.915638	50.0	188699.0	0.061831	Y
7	IC 410-517601/19	1250.0	85.267651	50.0	188137.0	0.068214	Y



Calibration

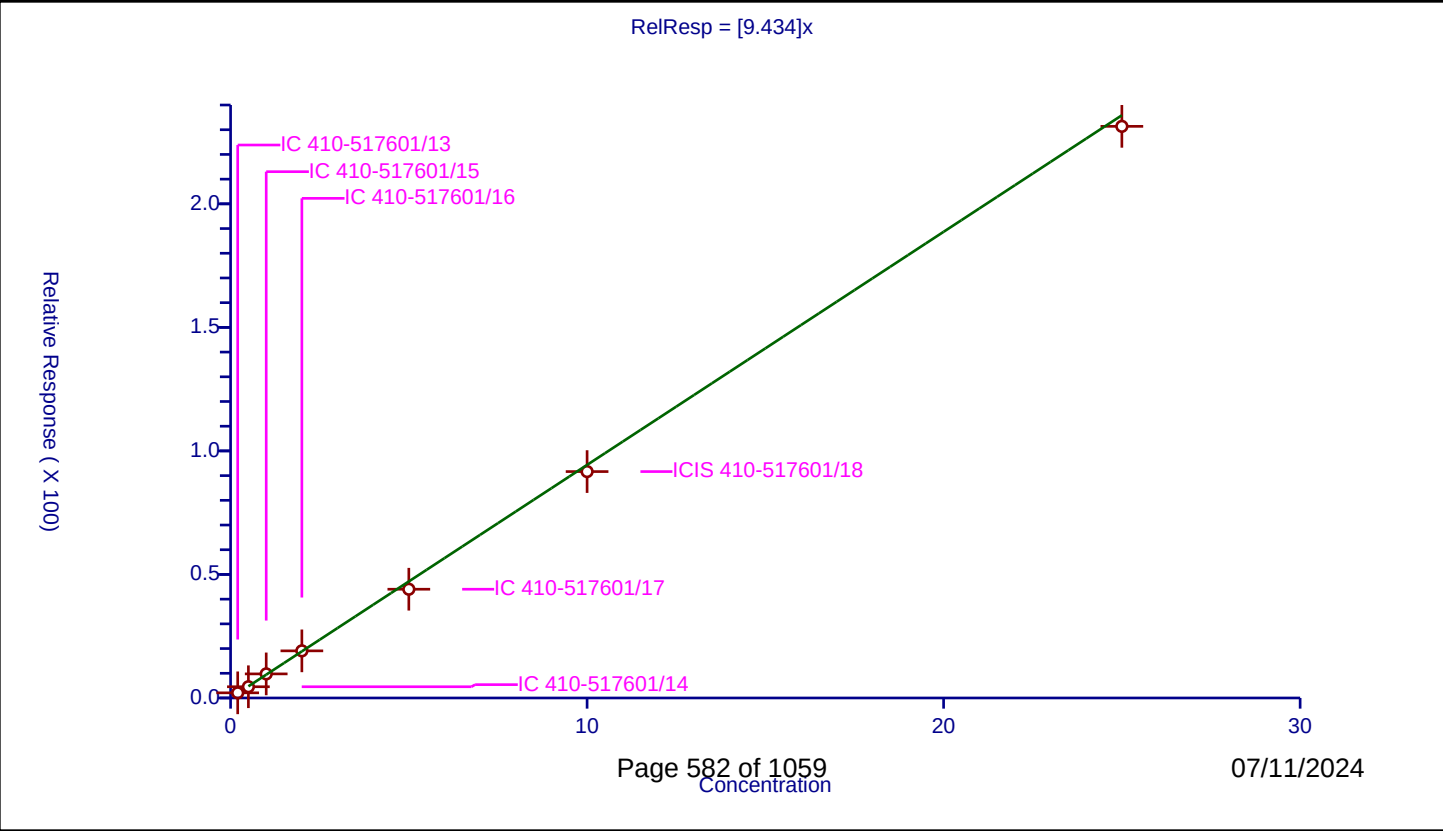
/ Methyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	9.434

Error Coefficients	
Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	2.083105	50.0	173659.0	10.415527	Y
2	IC 410-517601/14	0.5	4.550424	50.0	188422.0	9.100848	Y
3	IC 410-517601/15	1.0	9.756824	50.0	167862.0	9.756824	Y
4	IC 410-517601/16	2.0	19.081802	50.0	164311.0	9.540901	Y
5	IC 410-517601/17	5.0	44.01759	50.0	180780.0	8.803518	Y
6	ICIS 410-517601/18	10.0	91.635356	50.0	188699.0	9.163536	Y
7	IC 410-517601/19	25.0	231.368365	50.0	188137.0	9.254735	Y



Calibration

/ Dibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

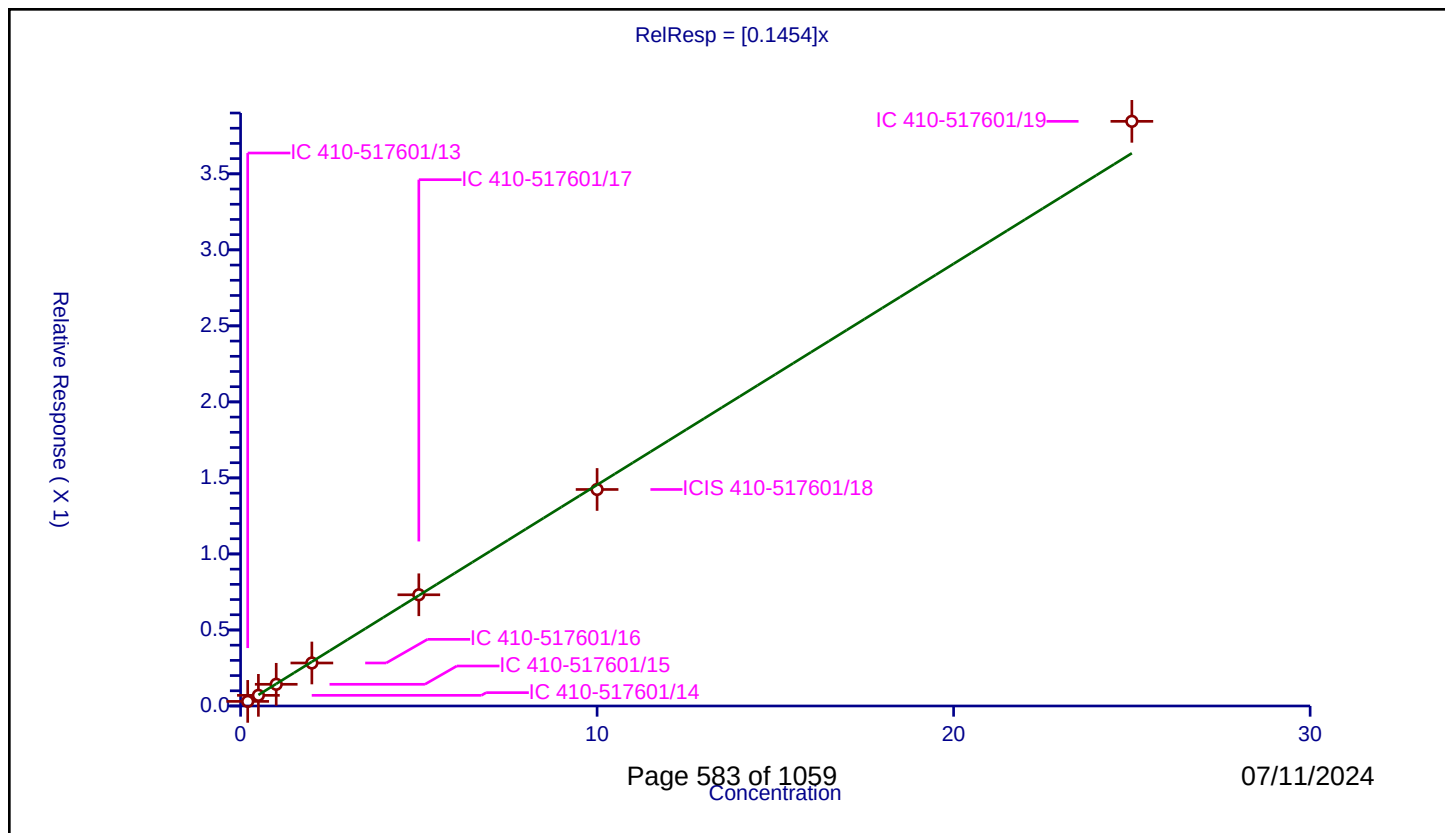
Curve Coefficients

Intercept: 0
Slope: 0.1454

Error Coefficients

Relative Standard Deviation: 3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.030249	10.0	2259919.0	0.151244	Y
2	IC 410-517601/14	0.5	0.070029	10.0	2249339.0	0.140059	Y
3	IC 410-517601/15	1.0	0.142736	10.0	2225227.0	0.142736	Y
4	IC 410-517601/16	2.0	0.282773	10.0	2217927.0	0.141387	Y
5	IC 410-517601/17	5.0	0.731401	10.0	2250394.0	0.14628	Y
6	ICIS 410-517601/18	10.0	1.424093	10.0	2282400.0	0.142409	Y
7	IC 410-517601/19	25.0	3.845354	10.0	2233108.0	0.153814	Y



Calibration

/ Dichlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

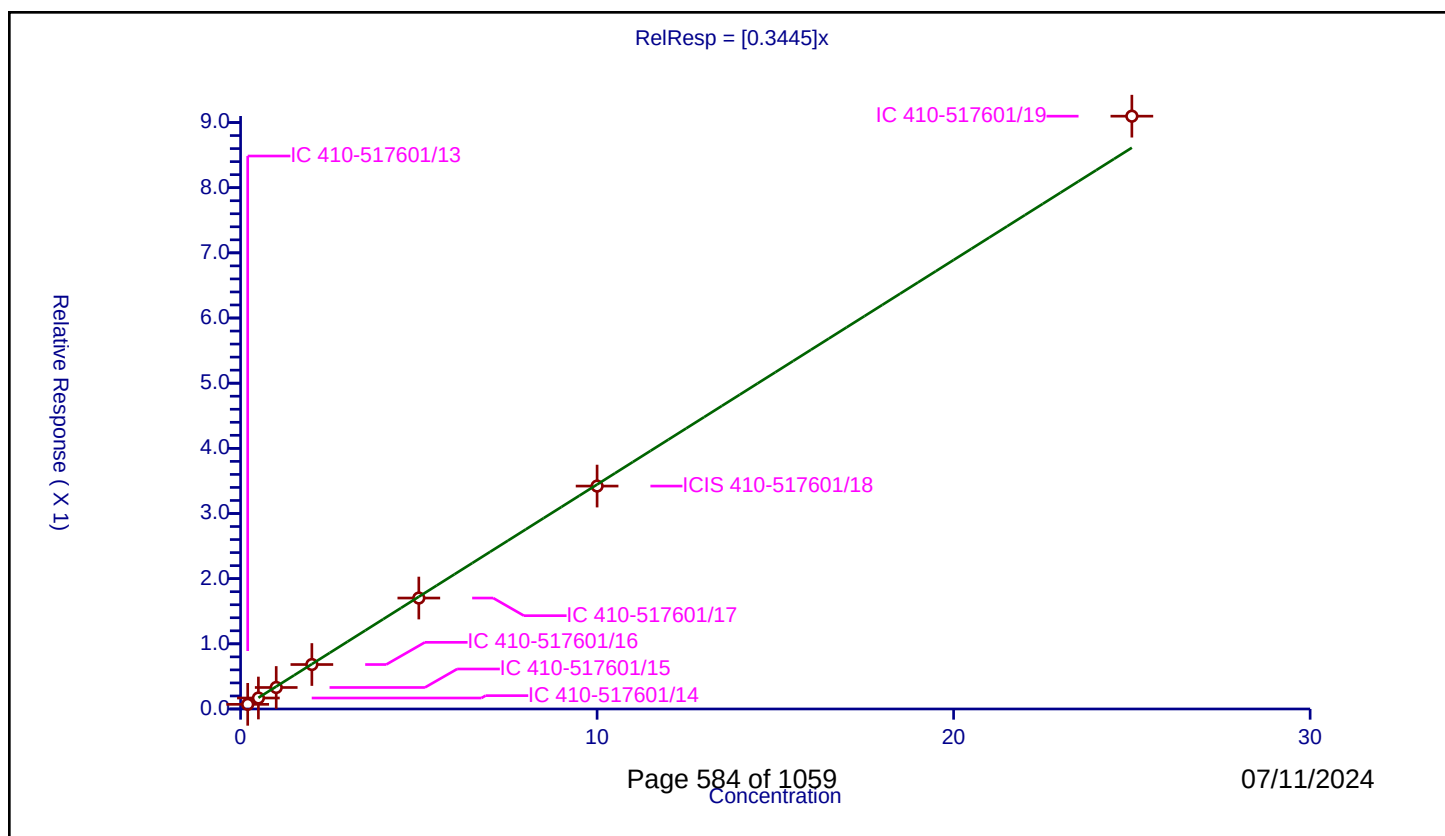
Curve Coefficients

Intercept: 0
Slope: 0.3445

Error Coefficients

Relative Standard Deviation: 3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.071357	10.0	2259919.0	0.356783	Y
2	IC 410-517601/14	0.5	0.168503	10.0	2249339.0	0.337006	Y
3	IC 410-517601/15	1.0	0.330106	10.0	2225227.0	0.330106	Y
4	IC 410-517601/16	2.0	0.682543	10.0	2217927.0	0.341271	Y
5	IC 410-517601/17	5.0	1.702795	10.0	2250394.0	0.340559	Y
6	ICIS 410-517601/18	10.0	3.420838	10.0	2282400.0	0.342084	Y
7	IC 410-517601/19	25.0	9.097442	10.0	2233108.0	0.363898	Y



Calibration

/ 2-Nitropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

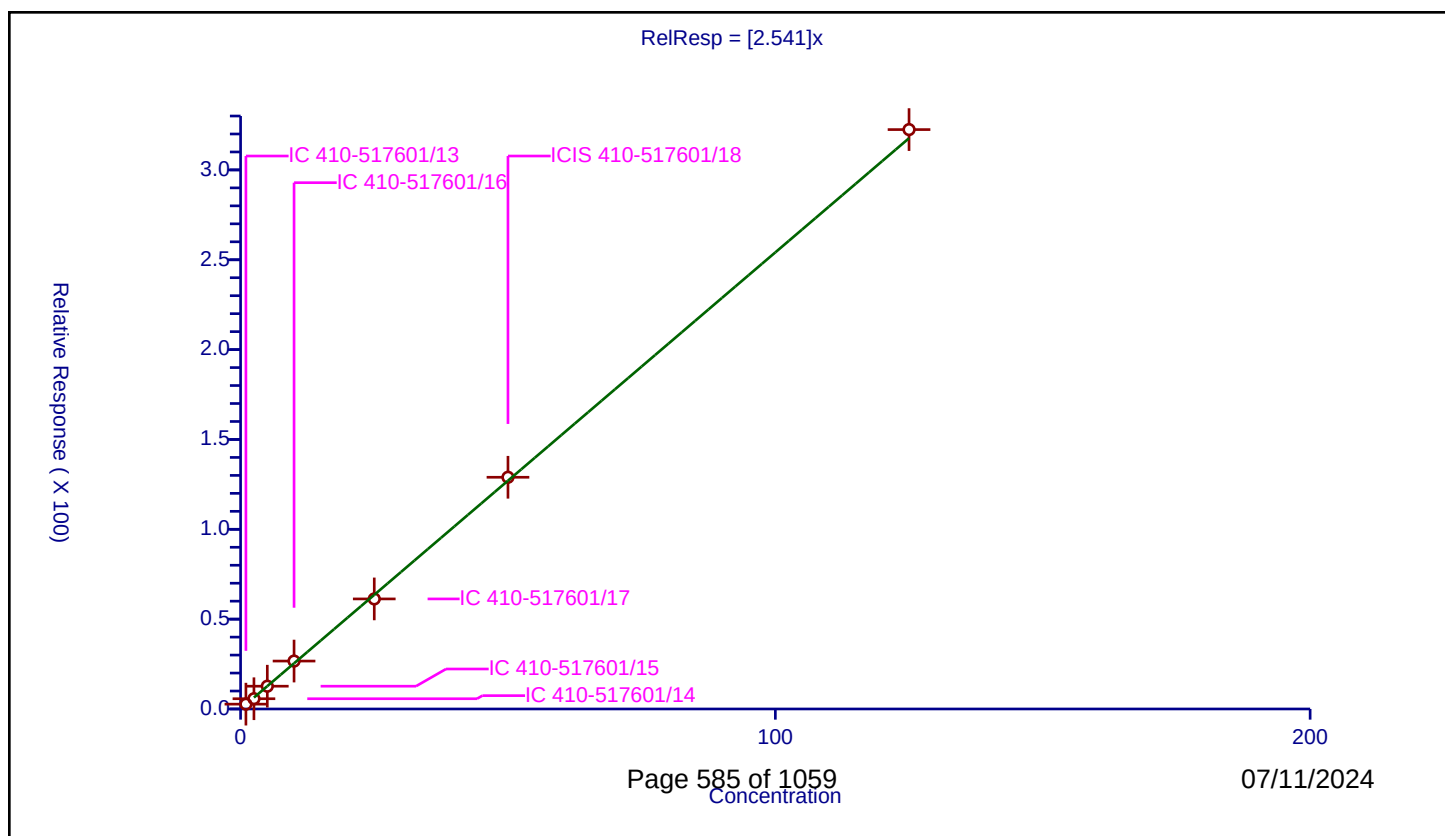
Curve Coefficients

Intercept: 0
Slope: 2.541

Error Coefficients

Relative Standard Deviation: 5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	1.0	2.696088	50.0	173659.0	2.696088	Y
2	IC 410-517601/14	2.5	5.699706	50.0	188422.0	2.279882	Y
3	IC 410-517601/15	5.0	12.679165	50.0	167862.0	2.535833	Y
4	IC 410-517601/16	10.0	26.679894	50.0	164311.0	2.667989	Y
5	IC 410-517601/17	25.0	61.248755	50.0	180780.0	2.44995	Y
6	ICIS 410-517601/18	50.0	128.950869	50.0	188699.0	2.579017	Y
7	IC 410-517601/19	125.0	322.453053	50.0	188137.0	2.579624	Y



Calibration

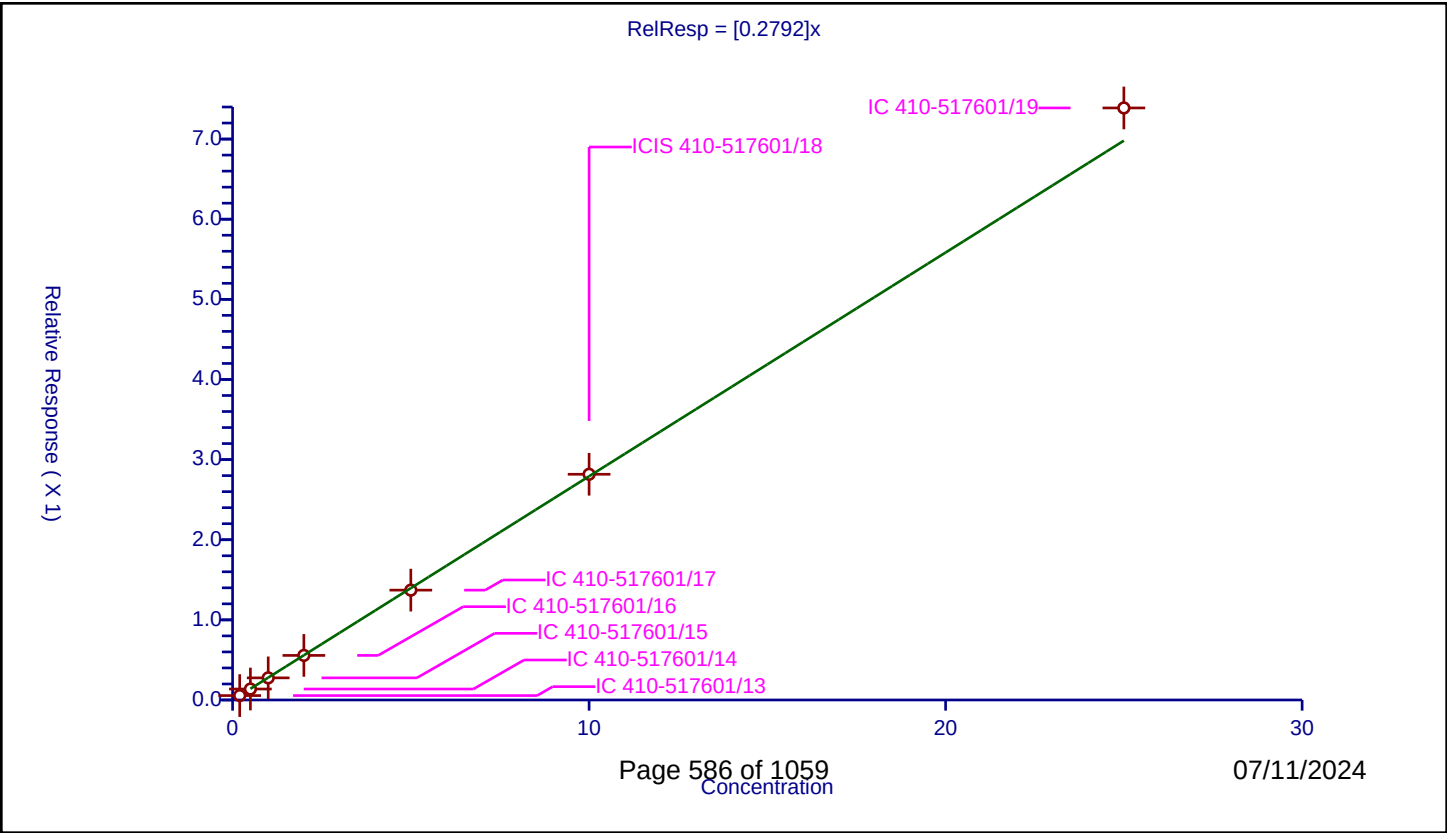
/ 1-Bromo-2-chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2792
Error Coefficients	

Relative Standard Deviation: 2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.055064	10.0	2259919.0	0.27532	Y
2	IC 410-517601/14	0.5	0.136774	10.0	2249339.0	0.273547	Y
3	IC 410-517601/15	1.0	0.276089	10.0	2225227.0	0.276089	Y
4	IC 410-517601/16	2.0	0.556091	10.0	2217927.0	0.278046	Y
5	IC 410-517601/17	5.0	1.370884	10.0	2250394.0	0.274177	Y
6	ICIS 410-517601/18	10.0	2.817004	10.0	2282400.0	0.2817	Y
7	IC 410-517601/19	25.0	7.388322	10.0	2233108.0	0.295533	Y



Calibration

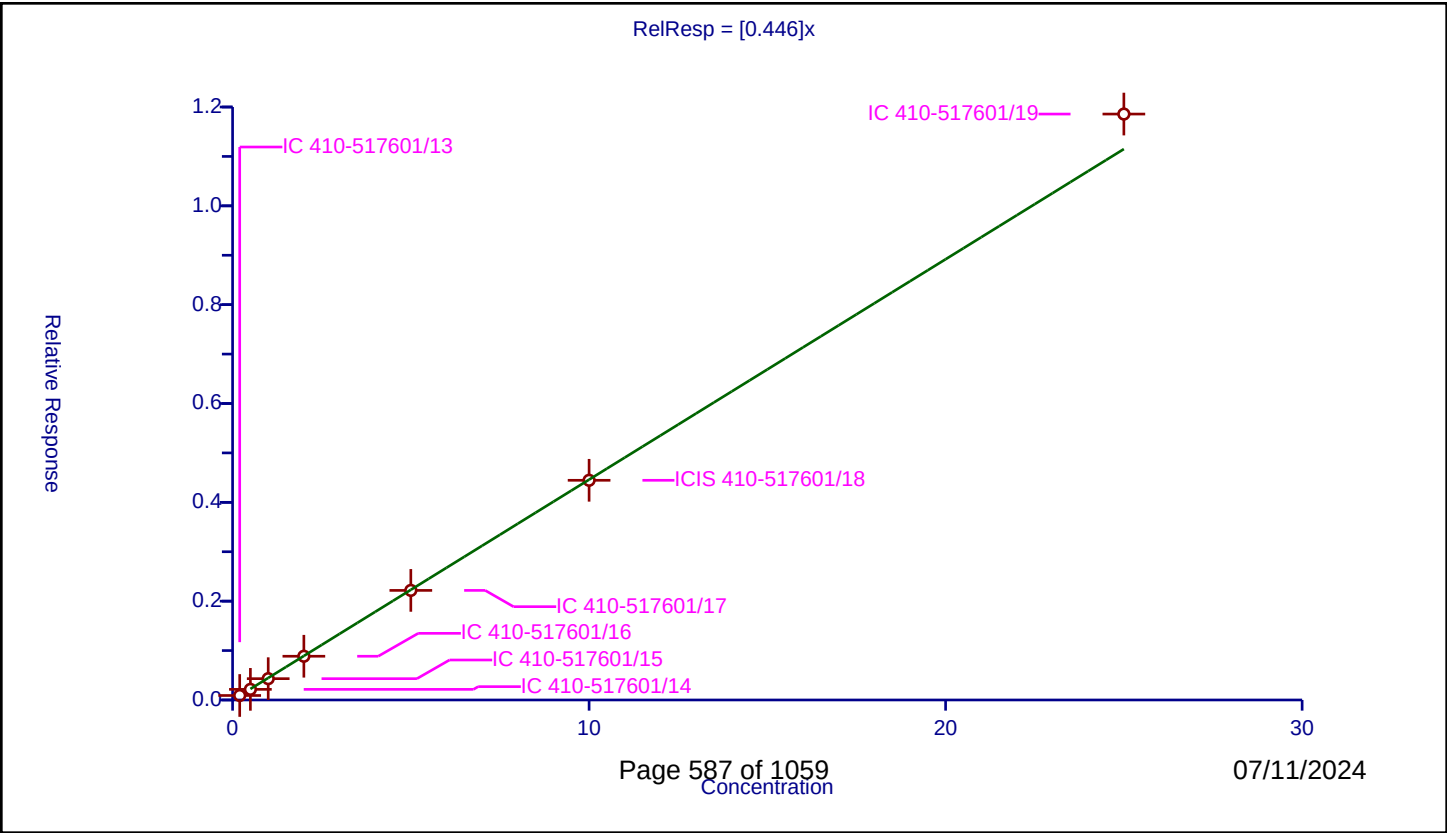
/ cis-1,3-Dichloropropene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.446
Error Coefficients	

Relative Standard Deviation: 3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.091065	10.0	2259919.0	0.455326	Y
2	IC 410-517601/14	0.5	0.21505	10.0	2249339.0	0.4301	Y
3	IC 410-517601/15	1.0	0.431349	10.0	2225227.0	0.431349	Y
4	IC 410-517601/16	2.0	0.885038	10.0	2217927.0	0.442519	Y
5	IC 410-517601/17	5.0	2.217709	10.0	2250394.0	0.443542	Y
6	ICIS 410-517601/18	10.0	4.445917	10.0	2282400.0	0.444592	Y
7	IC 410-517601/19	25.0	11.85751	10.0	2233108.0	0.4743	Y



Calibration

/ 4-Methyl-2-pentanone (MIBK)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

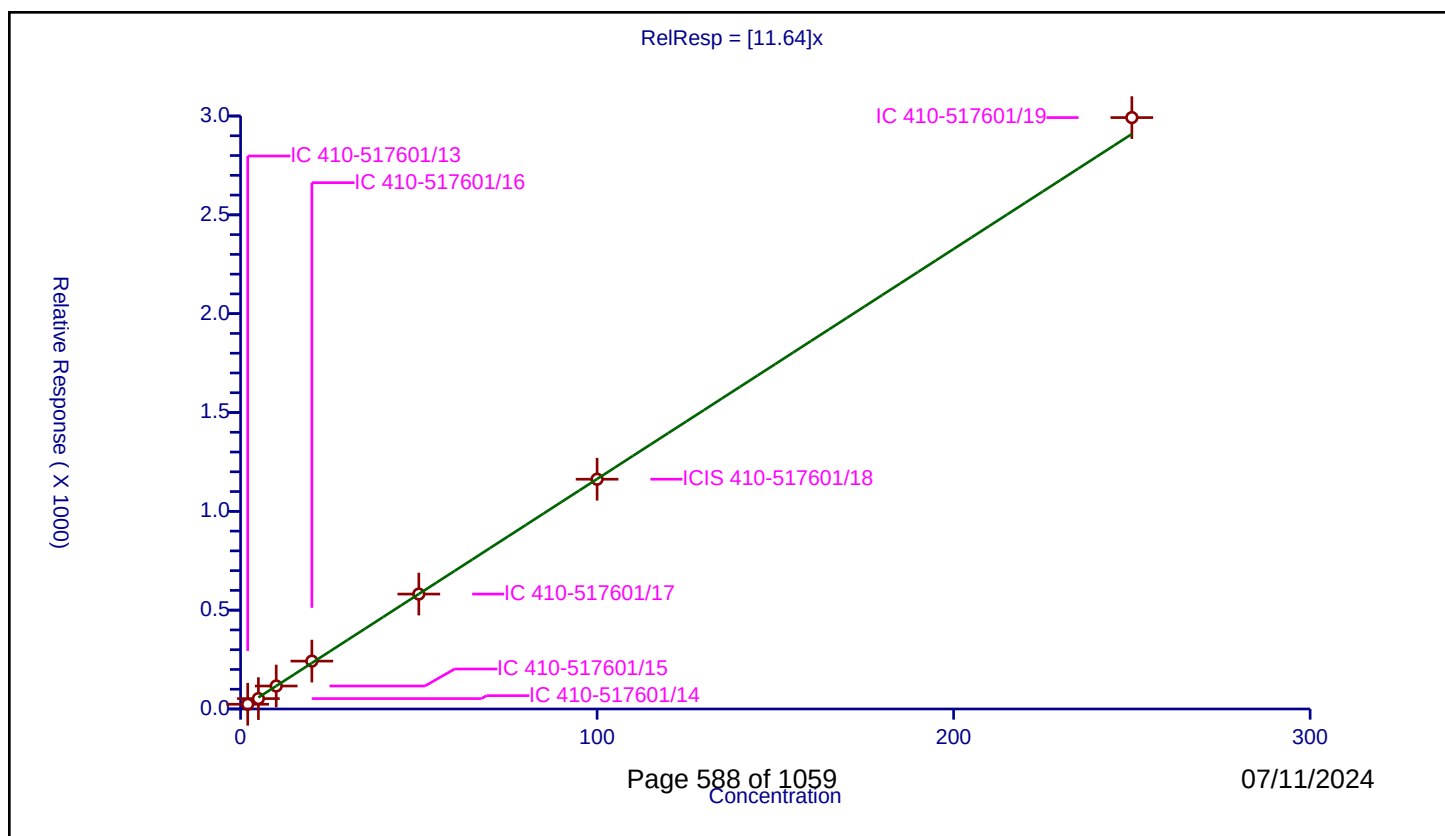
Curve Coefficients

Intercept: 0
Slope: 11.64

Error Coefficients

Relative Standard Deviation: 4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	2.0	23.947506	50.0	173659.0	11.973753	Y
2	IC 410-517601/14	5.0	52.580909	50.0	188422.0	10.516182	Y
3	IC 410-517601/15	10.0	116.24519	50.0	167862.0	11.624519	Y
4	IC 410-517601/16	20.0	242.295403	50.0	164311.0	12.11477	Y
5	IC 410-517601/17	50.0	581.372939	50.0	180780.0	11.627459	Y
6	ICIS 410-517601/18	100.0	1162.526563	50.0	188699.0	11.625266	Y
7	IC 410-517601/19	250.0	2992.020974	50.0	188137.0	11.968084	Y



Calibration

/ Toluene-d8 (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

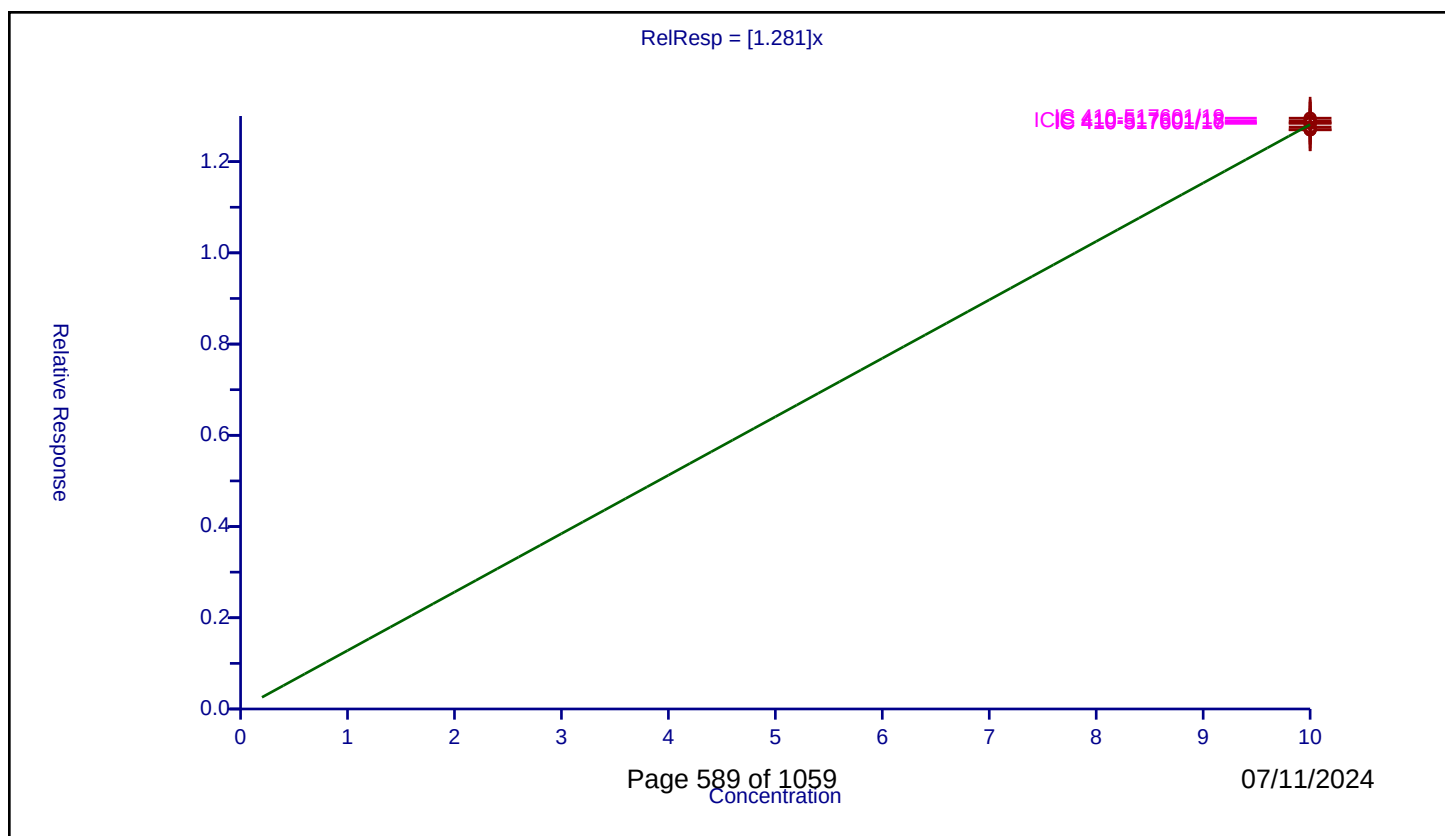
Curve Coefficients

Intercept: 0
Slope: 1.281

Error Coefficients

Relative Standard Deviation: 0.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	10.0	12.758369	10.0	1782883.0	1.275837	Y
2	IC 410-517601/14	10.0	12.699329	10.0	1784584.0	1.269933	Y
3	IC 410-517601/15	10.0	12.698005	10.0	1748651.0	1.269801	Y
4	IC 410-517601/16	10.0	12.849282	10.0	1740765.0	1.284928	Y
5	IC 410-517601/17	10.0	12.8405	10.0	1774642.0	1.28405	Y
6	ICIS 410-517601/18	10.0	12.892911	10.0	1791303.0	1.289291	Y
7	IC 410-517601/19	10.0	12.952679	10.0	1739935.0	1.295268	Y



Calibration

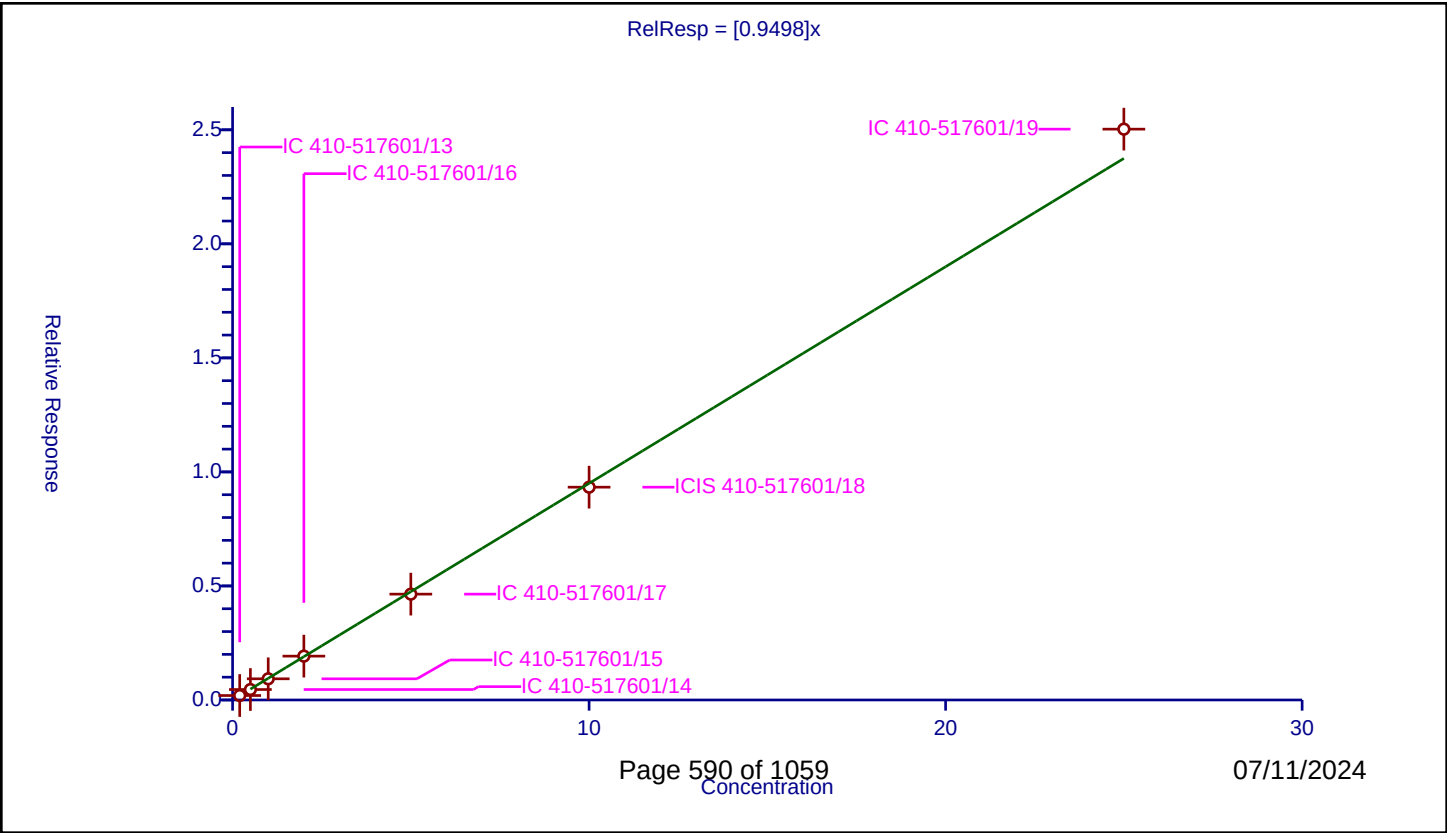
/ Toluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9498
Error Coefficients	

Relative Standard Deviation: 3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.195767	10.0	1782883.0	0.978836	Y
2	IC 410-517601/14	0.5	0.458583	10.0	1784584.0	0.917166	Y
3	IC 410-517601/15	1.0	0.929213	10.0	1748651.0	0.929213	Y
4	IC 410-517601/16	2.0	1.922253	10.0	1740765.0	0.961126	Y
5	IC 410-517601/17	5.0	4.641697	10.0	1774642.0	0.928339	Y
6	ICIS 410-517601/18	10.0	9.33094	10.0	1791303.0	0.933094	Y
7	IC 410-517601/19	25.0	25.029061	10.0	1739935.0	1.001162	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

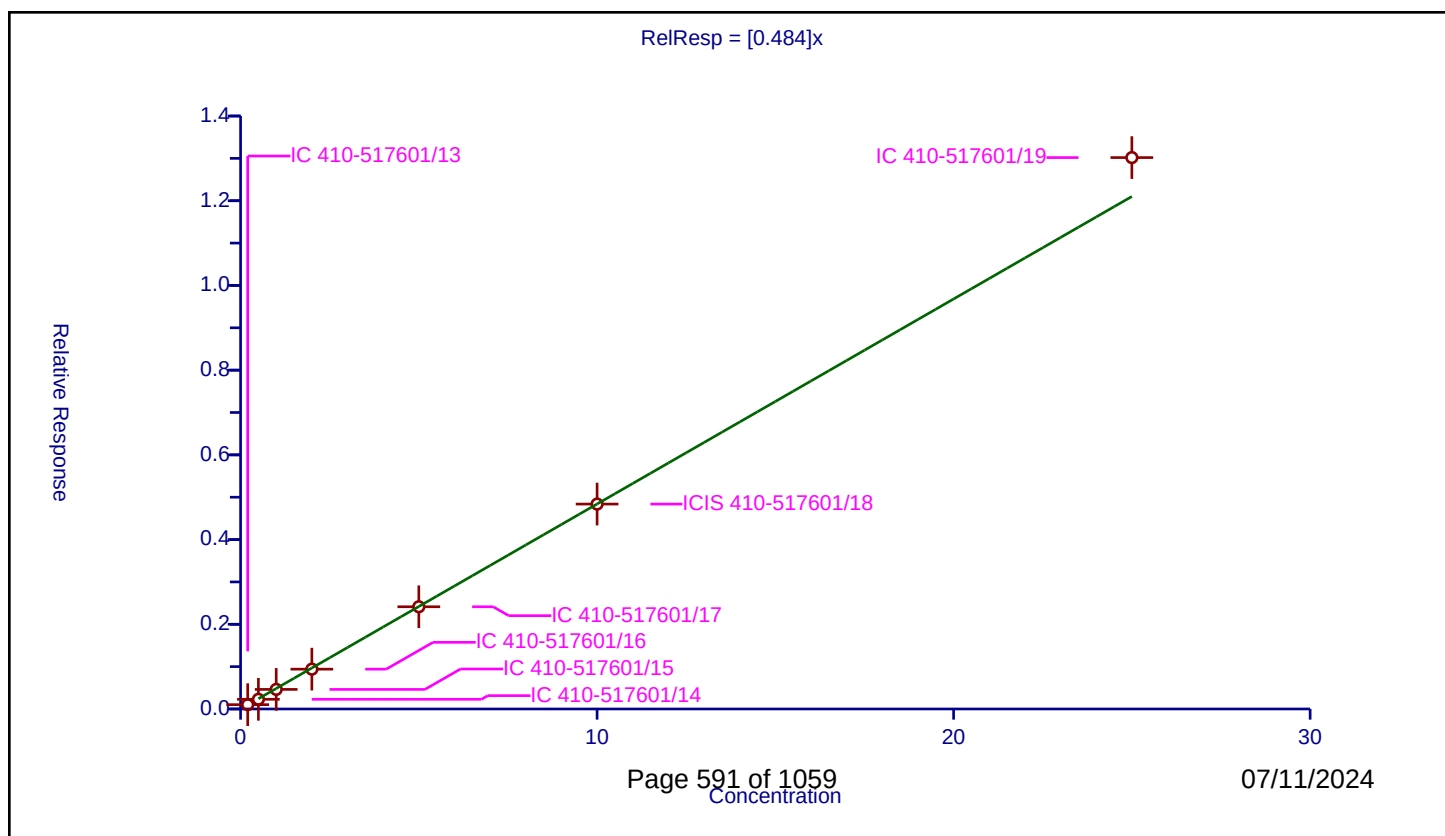
Curve Coefficients

Intercept: 0
Slope: 0.484

Error Coefficients

Relative Standard Deviation: 4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.102071	10.0	1782883.0	0.510353	Y
2	IC 410-517601/14	0.5	0.228787	10.0	1784584.0	0.457574	Y
3	IC 410-517601/15	1.0	0.462665	10.0	1748651.0	0.462665	Y
4	IC 410-517601/16	2.0	0.940271	10.0	1740765.0	0.470135	Y
5	IC 410-517601/17	5.0	2.413777	10.0	1774642.0	0.482755	Y
6	ICIS 410-517601/18	10.0	4.837964	10.0	1791303.0	0.483796	Y
7	IC 410-517601/19	25.0	13.018762	10.0	1739935.0	0.52075	Y



Calibration

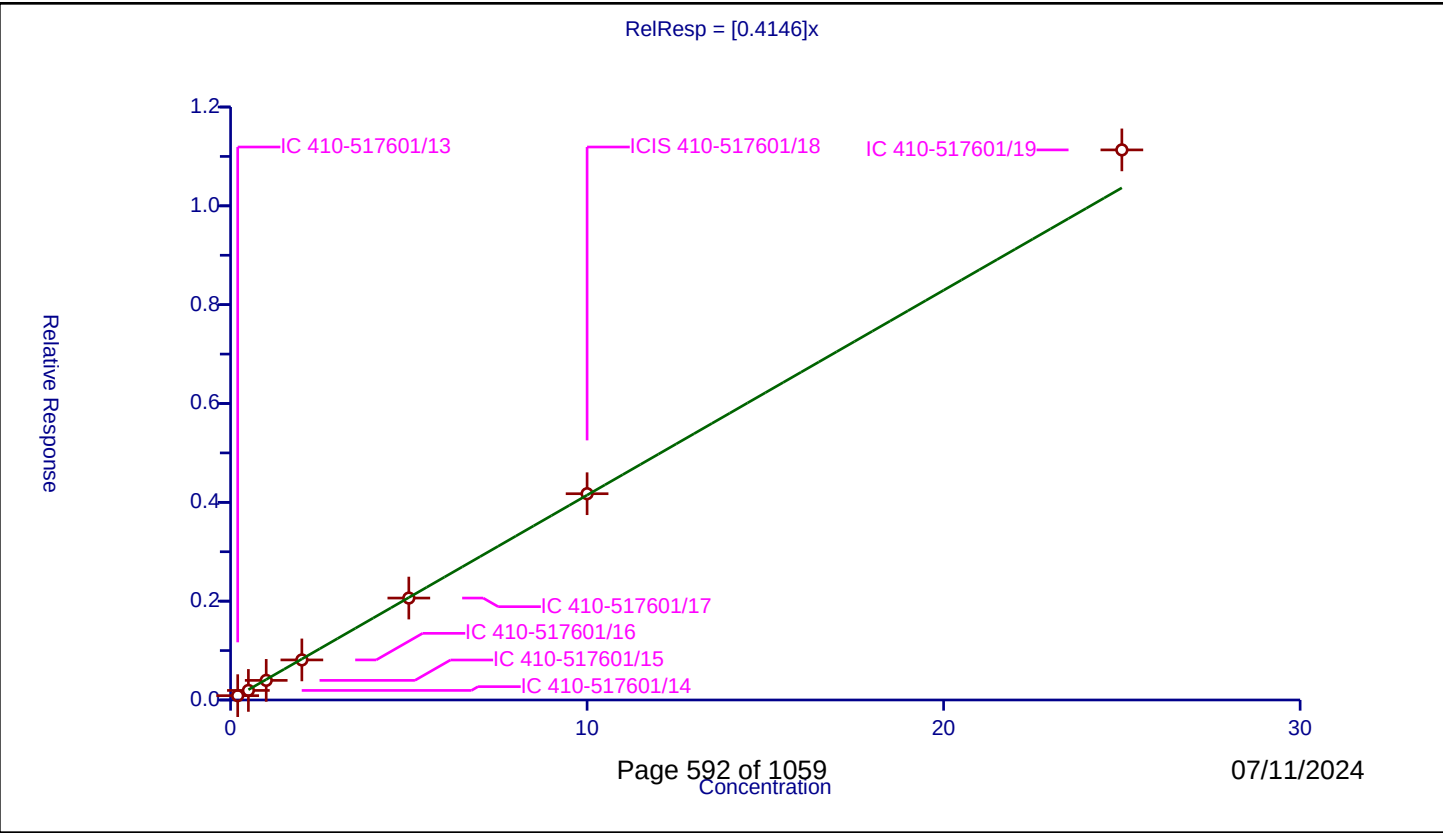
/ Ethyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4146
Error Coefficients	

Relative Standard Deviation: 5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.087493	10.0	1782883.0	0.437466	Y
2	IC 410-517601/14	0.5	0.19335	10.0	1784584.0	0.386701	Y
3	IC 410-517601/15	1.0	0.397037	10.0	1748651.0	0.397037	Y
4	IC 410-517601/16	2.0	0.810948	10.0	1740765.0	0.405474	Y
5	IC 410-517601/17	5.0	2.062794	10.0	1774642.0	0.412559	Y
6	ICIS 410-517601/18	10.0	4.174397	10.0	1791303.0	0.41744	Y
7	IC 410-517601/19	25.0	11.132117	10.0	1739935.0	0.445285	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

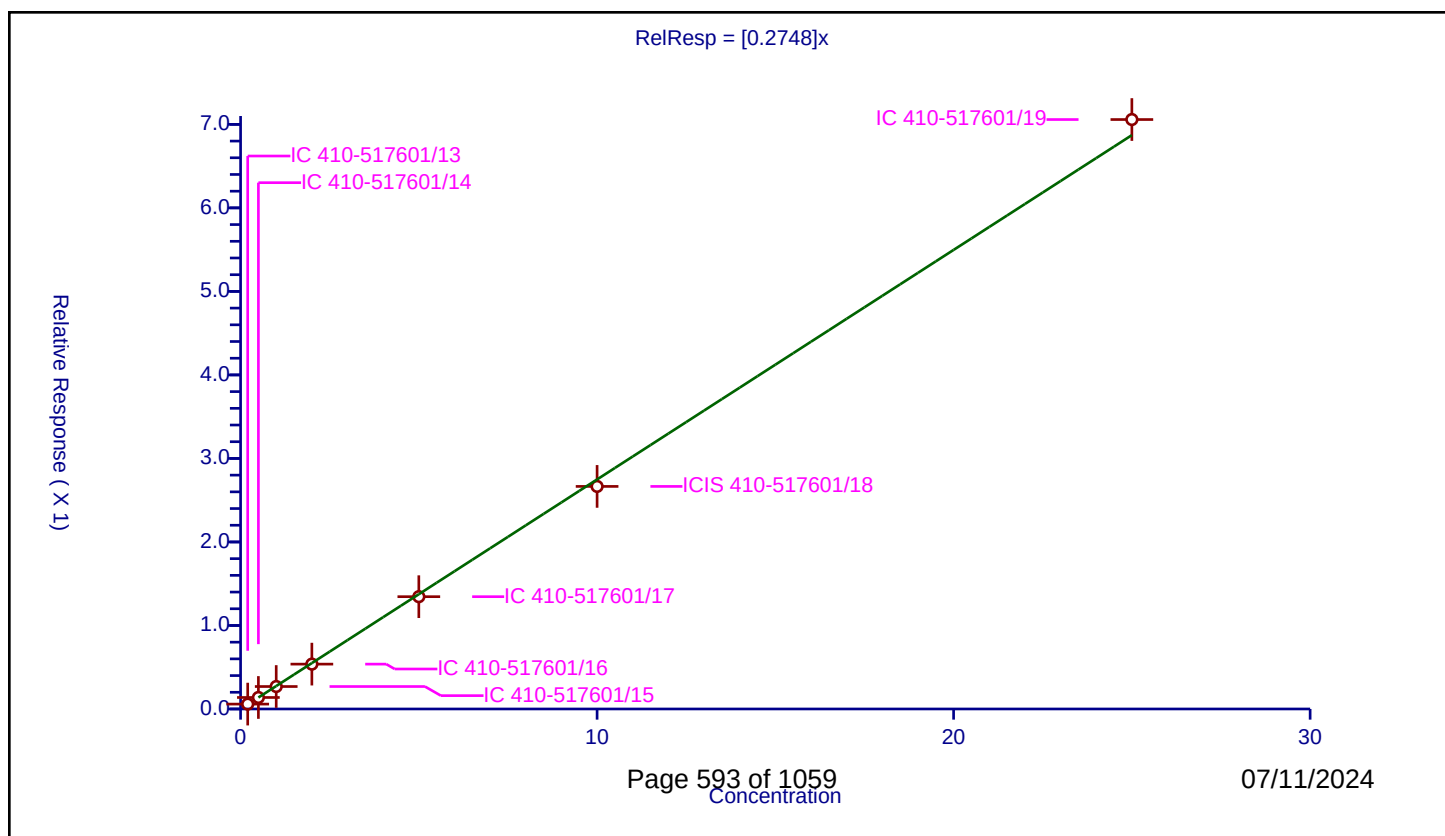
Curve Coefficients

Intercept: 0
Slope: 0.2748

Error Coefficients

Relative Standard Deviation: 3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.058534	10.0	1782883.0	0.292672	Y
2	IC 410-517601/14	0.5	0.13792	10.0	1784584.0	0.27584	Y
3	IC 410-517601/15	1.0	0.26903	10.0	1748651.0	0.26903	Y
4	IC 410-517601/16	2.0	0.537109	10.0	1740765.0	0.268554	Y
5	IC 410-517601/17	5.0	1.344835	10.0	1774642.0	0.268967	Y
6	ICIS 410-517601/18	10.0	2.664932	10.0	1791303.0	0.266493	Y
7	IC 410-517601/19	25.0	7.057976	10.0	1739935.0	0.282319	Y



Calibration

/ Tetrachloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

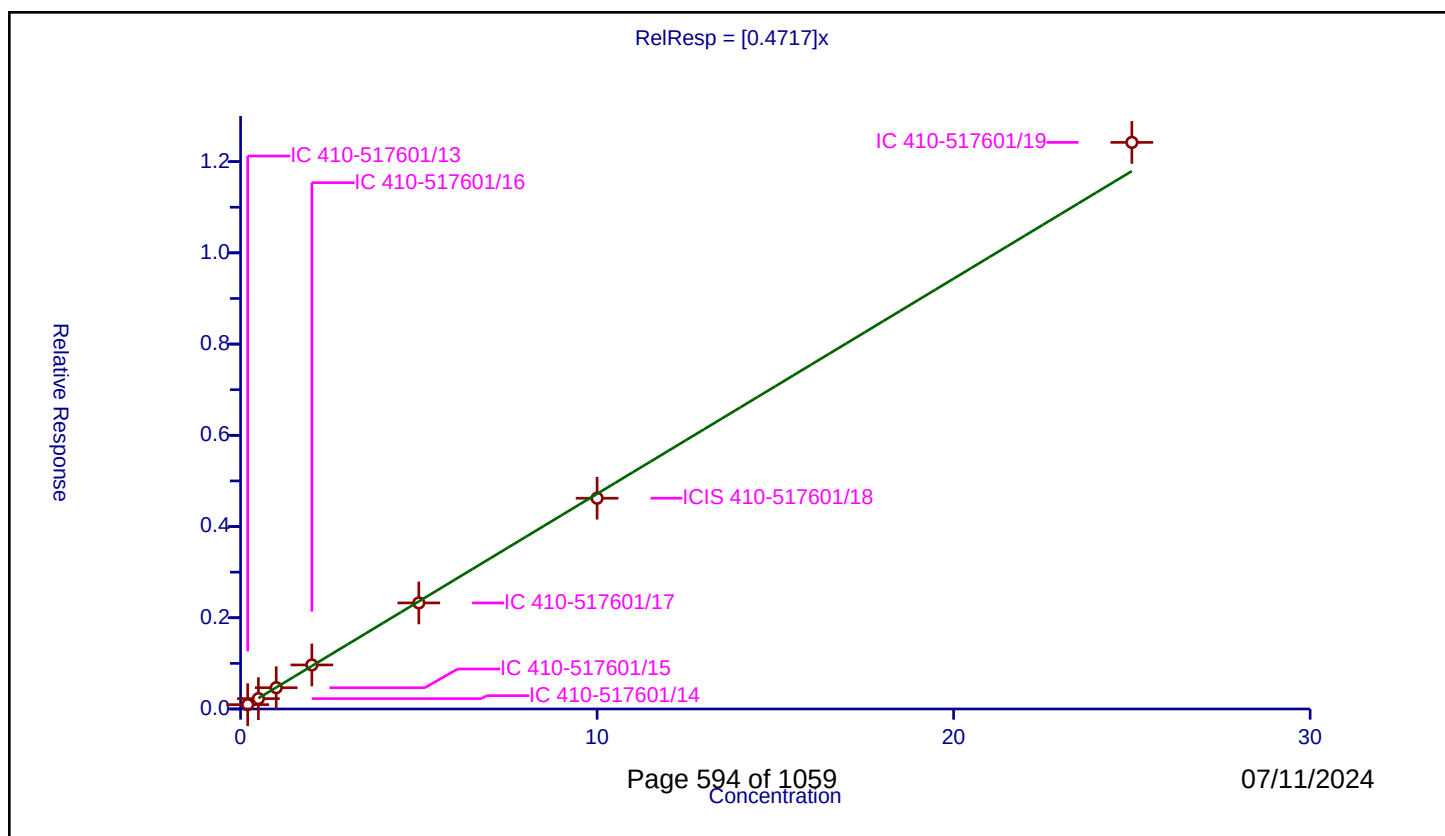
Curve Coefficients

Intercept: 0
Slope: 0.4717

Error Coefficients

Relative Standard Deviation: 3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.094874	10.0	1782883.0	0.474372	Y
2	IC 410-517601/14	0.5	0.227392	10.0	1784584.0	0.454784	Y
3	IC 410-517601/15	1.0	0.466085	10.0	1748651.0	0.466085	Y
4	IC 410-517601/16	2.0	0.965242	10.0	1740765.0	0.482621	Y
5	IC 410-517601/17	5.0	2.325624	10.0	1774642.0	0.465125	Y
6	ICIS 410-517601/18	10.0	4.62067	10.0	1791303.0	0.462067	Y
7	IC 410-517601/19	25.0	12.421596	10.0	1739935.0	0.496864	Y

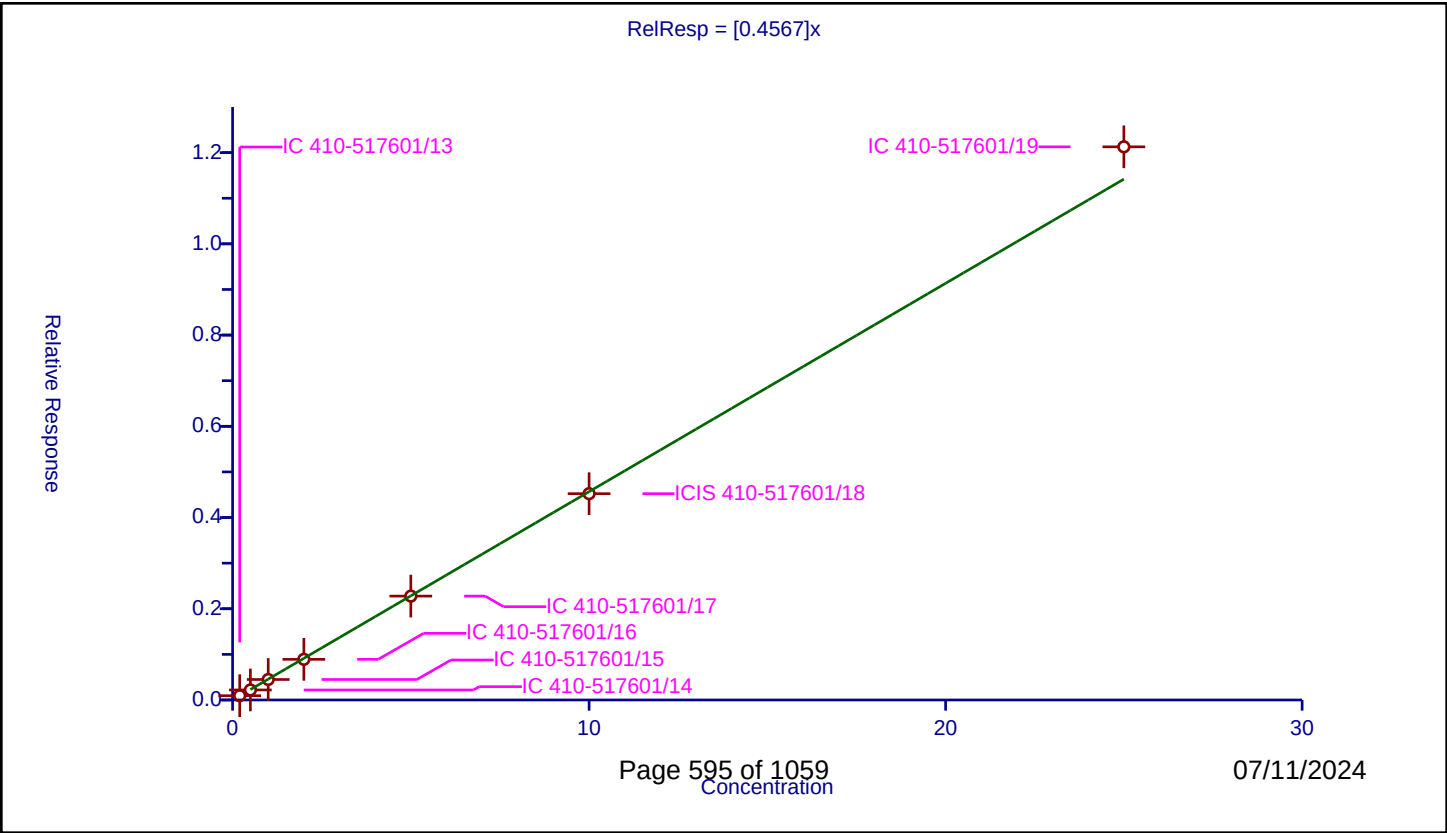


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4567
Error Coefficients	

Relative Standard Deviation: 3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.093809	10.0	1782883.0	0.469044	Y
2	IC 410-517601/14	0.5	0.22032	10.0	1784584.0	0.440641	Y
3	IC 410-517601/15	1.0	0.449038	10.0	1748651.0	0.449038	Y
4	IC 410-517601/16	2.0	0.891091	10.0	1740765.0	0.445545	Y
5	IC 410-517601/17	5.0	2.277366	10.0	1774642.0	0.455473	Y
6	ICIS 410-517601/18	10.0	4.52292	10.0	1791303.0	0.452292	Y
7	IC 410-517601/19	25.0	12.127384	10.0	1739935.0	0.485095	Y



Calibration

/ 2-Hexanone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

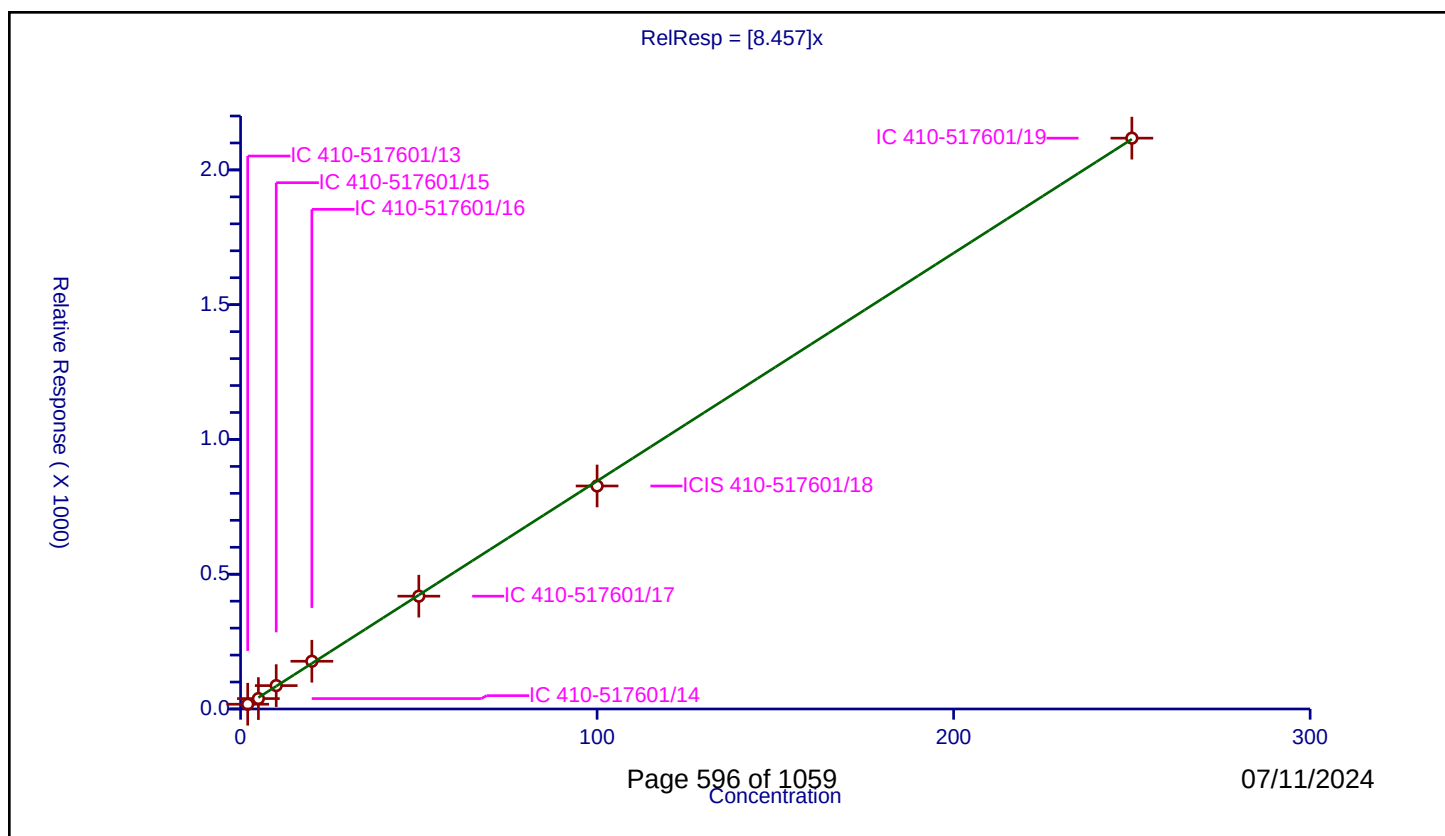
Curve Coefficients

Intercept: 0
Slope: 8.457

Error Coefficients

Relative Standard Deviation: 4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	2.0	17.644925	50.0	173659.0	8.822462	Y
2	IC 410-517601/14	5.0	38.622878	50.0	188422.0	7.724576	Y
3	IC 410-517601/15	10.0	86.74566	50.0	167862.0	8.674566	Y
4	IC 410-517601/16	20.0	177.190206	50.0	164311.0	8.85951	Y
5	IC 410-517601/17	50.0	418.553767	50.0	180780.0	8.371075	Y
6	ICIS 410-517601/18	100.0	827.36766	50.0	188699.0	8.273677	Y
7	IC 410-517601/19	250.0	2117.910884	50.0	188137.0	8.471644	Y



Calibration

/ Chlorodibromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

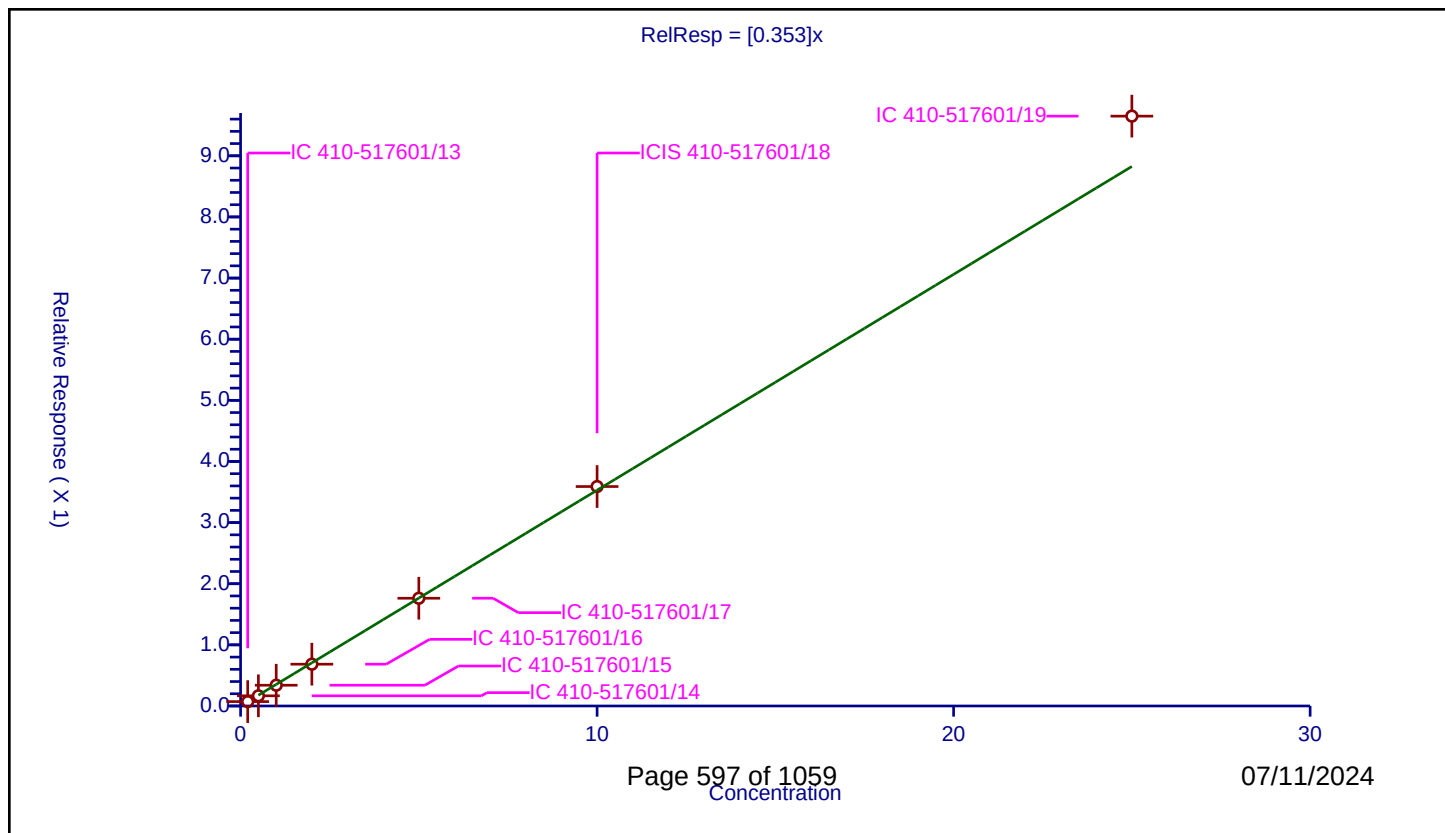
Curve Coefficients

Intercept: 0
 Slope: 0.353

Error Coefficients

Relative Standard Deviation: 5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.07176	10.0	1782883.0	0.358801	Y
2	IC 410-517601/14	0.5	0.166633	10.0	1784584.0	0.333265	Y
3	IC 410-517601/15	1.0	0.339793	10.0	1748651.0	0.339793	Y
4	IC 410-517601/16	2.0	0.683809	10.0	1740765.0	0.341904	Y
5	IC 410-517601/17	5.0	1.762451	10.0	1774642.0	0.35249	Y
6	ICIS 410-517601/18	10.0	3.590068	10.0	1791303.0	0.359007	Y
7	IC 410-517601/19	25.0	9.648832	10.0	1739935.0	0.385953	Y



Calibration

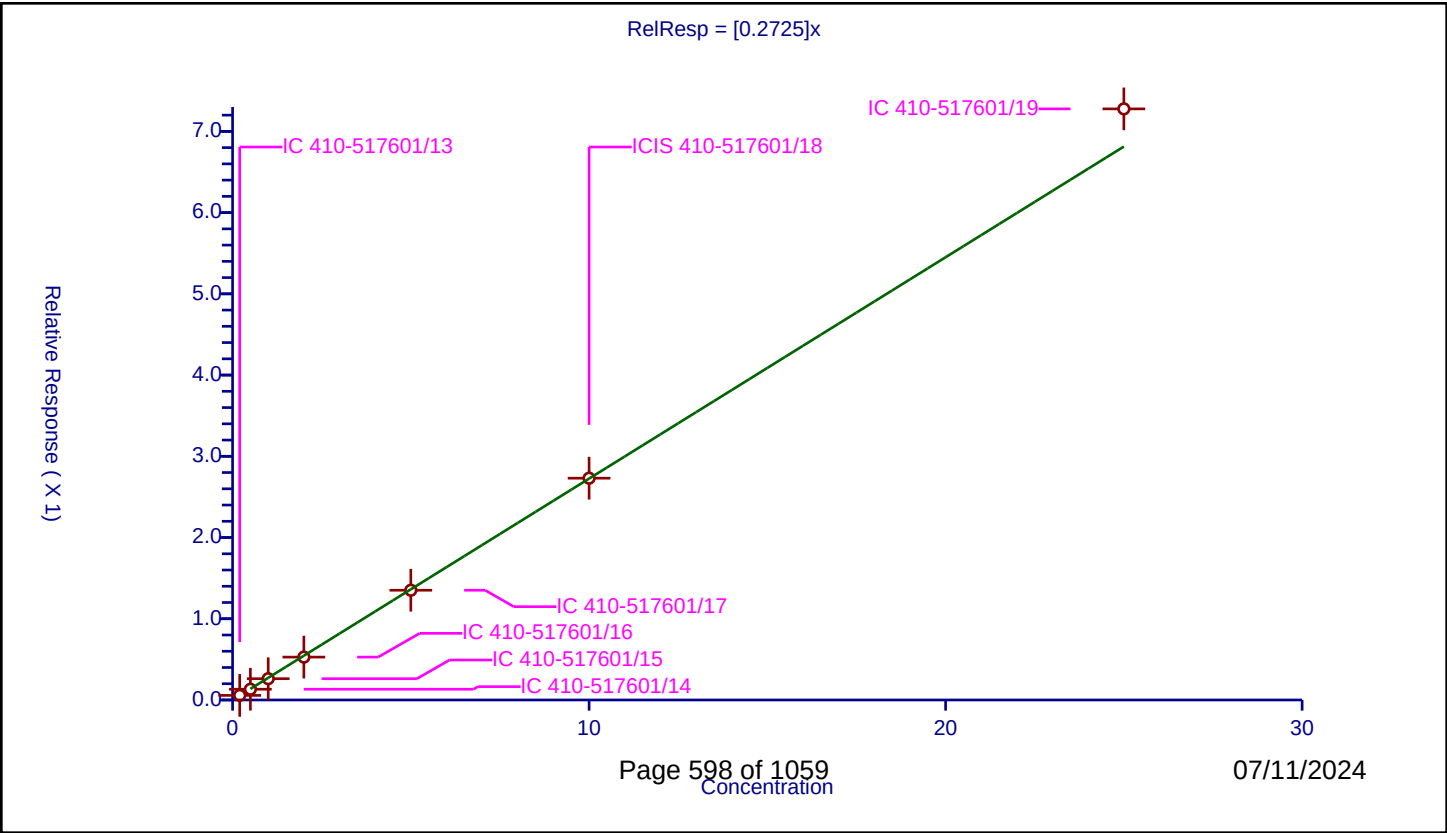
/ Ethylene Dibromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2725
Error Coefficients	

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.05647	10.0	1782883.0	0.282352	Y
2	IC 410-517601/14	0.5	0.132406	10.0	1784584.0	0.264812	Y
3	IC 410-517601/15	1.0	0.262128	10.0	1748651.0	0.262128	Y
4	IC 410-517601/16	2.0	0.528078	10.0	1740765.0	0.264039	Y
5	IC 410-517601/17	5.0	1.351033	10.0	1774642.0	0.270207	Y
6	ICIS 410-517601/18	10.0	2.730526	10.0	1791303.0	0.273053	Y
7	IC 410-517601/19	25.0	7.277036	10.0	1739935.0	0.291081	Y



Calibration

/ 1-Chlorohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

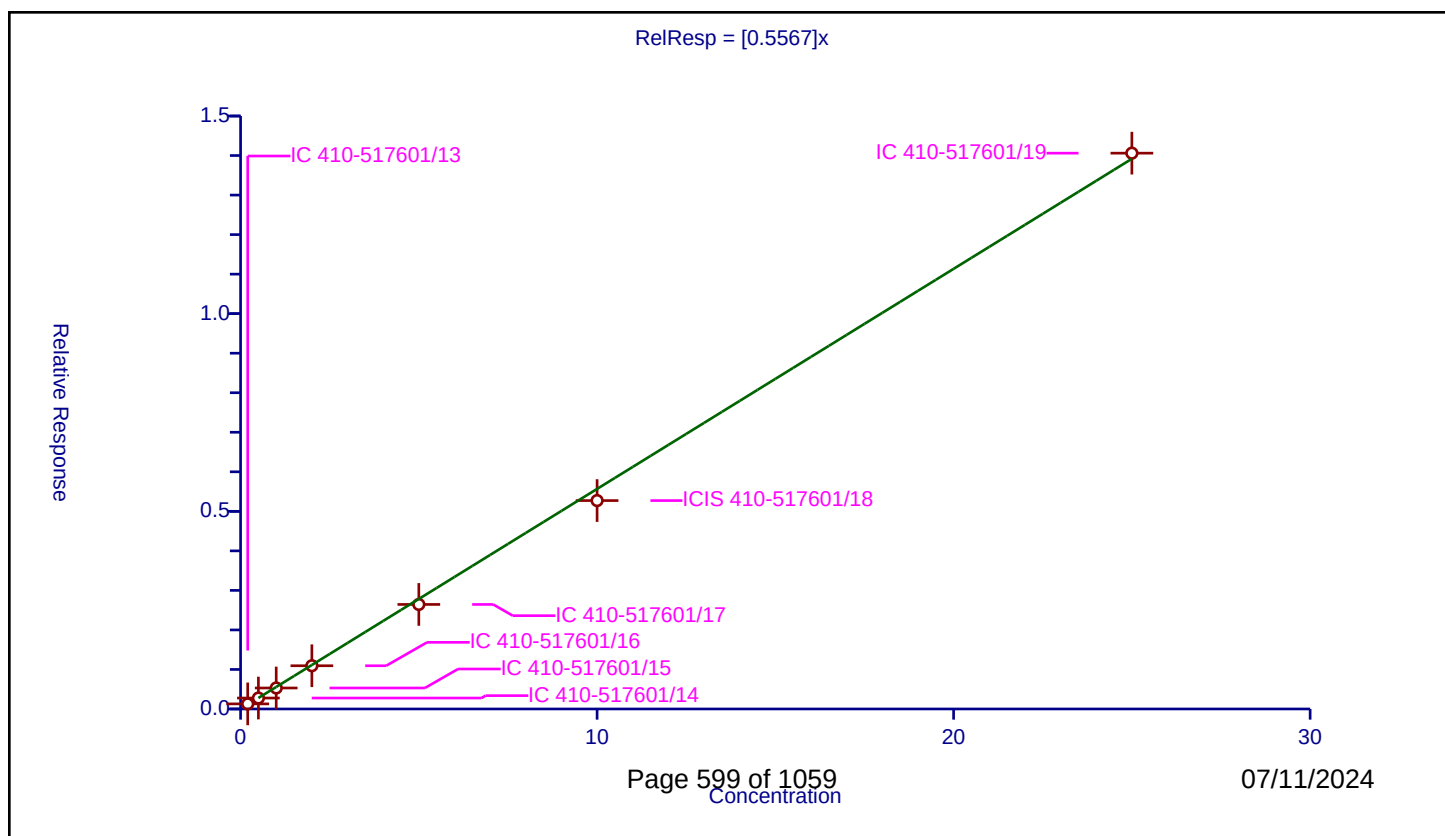
Curve Coefficients

Intercept: 0
Slope: 0.5567

Error Coefficients

Relative Standard Deviation: 7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.12933	10.0	1782883.0	0.646649	Y
2	IC 410-517601/14	0.5	0.276692	10.0	1784584.0	0.553384	Y
3	IC 410-517601/15	1.0	0.531347	10.0	1748651.0	0.531347	Y
4	IC 410-517601/16	2.0	1.093852	10.0	1740765.0	0.546926	Y
5	IC 410-517601/17	5.0	2.644731	10.0	1774642.0	0.528946	Y
6	ICIS 410-517601/18	10.0	5.272402	10.0	1791303.0	0.52724	Y
7	IC 410-517601/19	25.0	14.060163	10.0	1739935.0	0.562407	Y



Calibration

/ Chlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

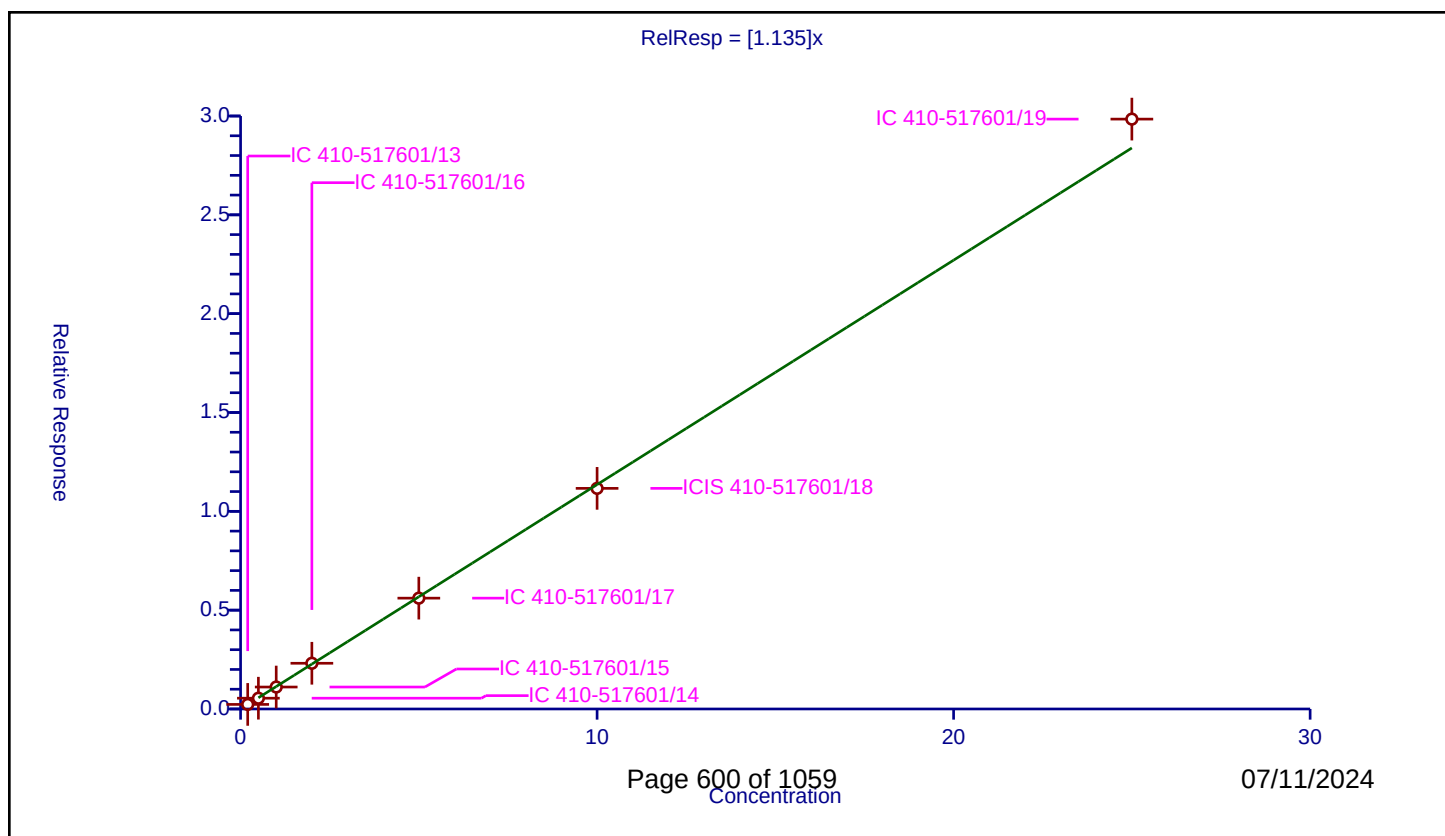
Curve Coefficients

Intercept: 0
Slope: 1.135

Error Coefficients

Relative Standard Deviation: 3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.231412	10.0	1782883.0	1.157059	Y
2	IC 410-517601/14	0.5	0.545746	10.0	1784584.0	1.091492	Y
3	IC 410-517601/15	1.0	1.110668	10.0	1748651.0	1.110668	Y
4	IC 410-517601/16	2.0	2.313351	10.0	1740765.0	1.156675	Y
5	IC 410-517601/17	5.0	5.6077	10.0	1774642.0	1.12154	Y
6	ICIS 410-517601/18	10.0	11.161719	10.0	1791303.0	1.116172	Y
7	IC 410-517601/19	25.0	29.843816	10.0	1739935.0	1.193753	Y



Calibration

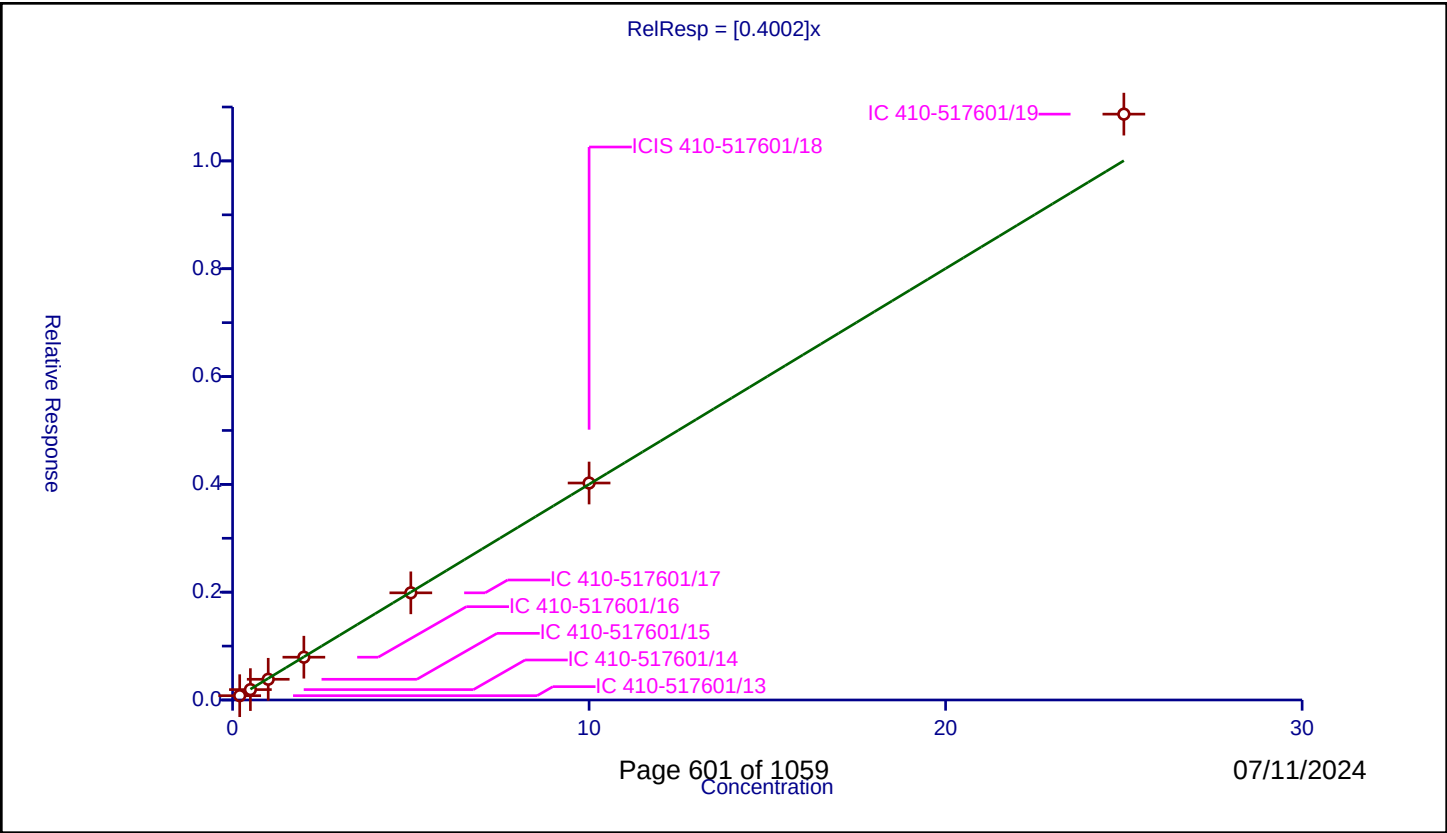
/ 1,1,1,2-Tetrachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4002
Error Coefficients	

Relative Standard Deviation: 4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.080011	10.0	1782883.0	0.400054	Y
2	IC 410-517601/14	0.5	0.192835	10.0	1784584.0	0.38567	Y
3	IC 410-517601/15	1.0	0.384022	10.0	1748651.0	0.384022	Y
4	IC 410-517601/16	2.0	0.793519	10.0	1740765.0	0.396759	Y
5	IC 410-517601/17	5.0	1.987843	10.0	1774642.0	0.397569	Y
6	ICIS 410-517601/18	10.0	4.024757	10.0	1791303.0	0.402476	Y
7	IC 410-517601/19	25.0	10.867757	10.0	1739935.0	0.43471	Y



Calibration

/ Ethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

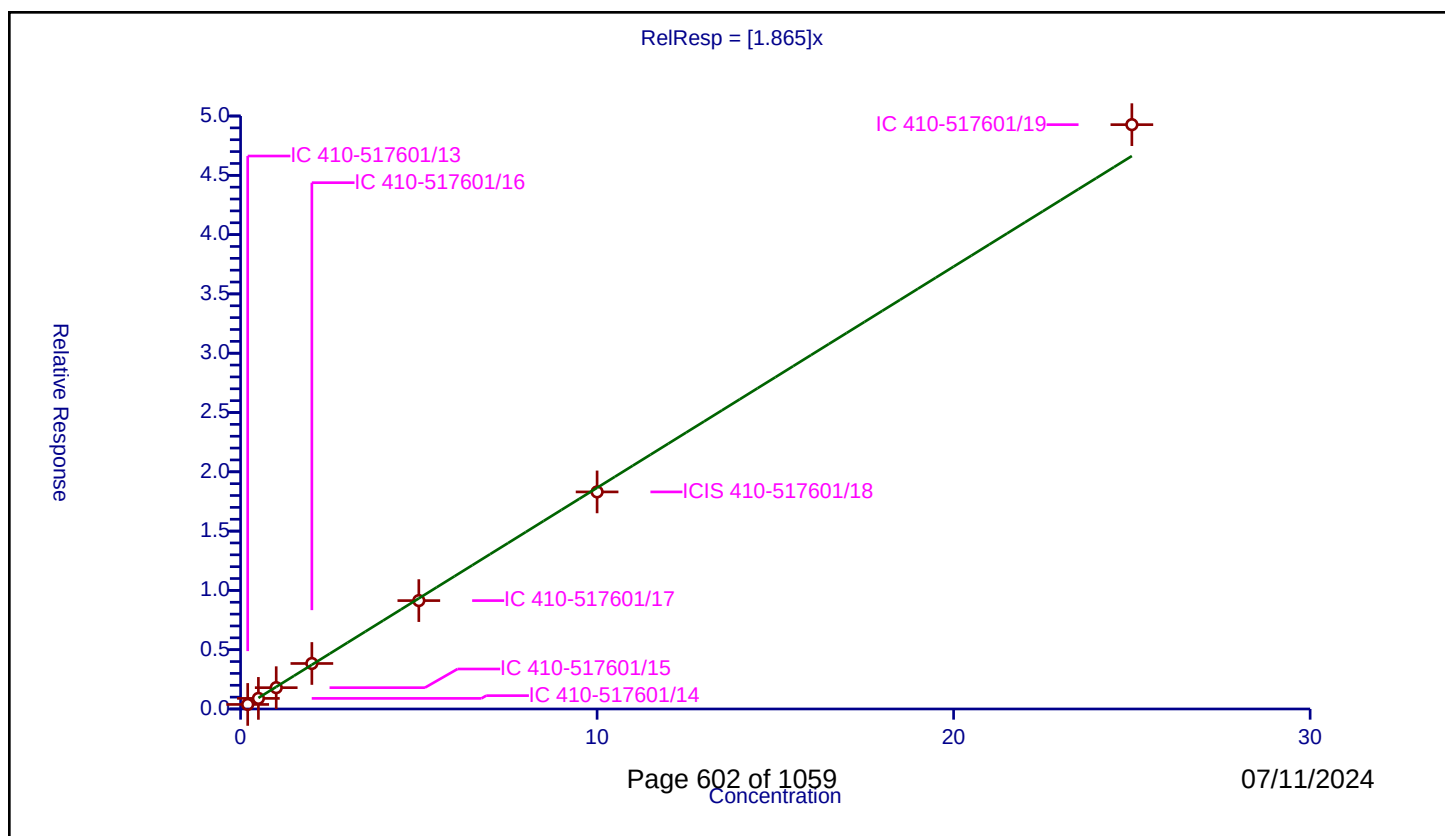
Curve Coefficients

Intercept: 0
Slope: 1.865

Error Coefficients

Relative Standard Deviation: 3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.384478	10.0	1782883.0	1.922392	Y
2	IC 410-517601/14	0.5	0.893839	10.0	1784584.0	1.787677	Y
3	IC 410-517601/15	1.0	1.797105	10.0	1748651.0	1.797105	Y
4	IC 410-517601/16	2.0	3.838123	10.0	1740765.0	1.919061	Y
5	IC 410-517601/17	5.0	9.1399	10.0	1774642.0	1.82798	Y
6	ICIS 410-517601/18	10.0	18.304474	10.0	1791303.0	1.830447	Y
7	IC 410-517601/19	25.0	49.271611	10.0	1739935.0	1.970864	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

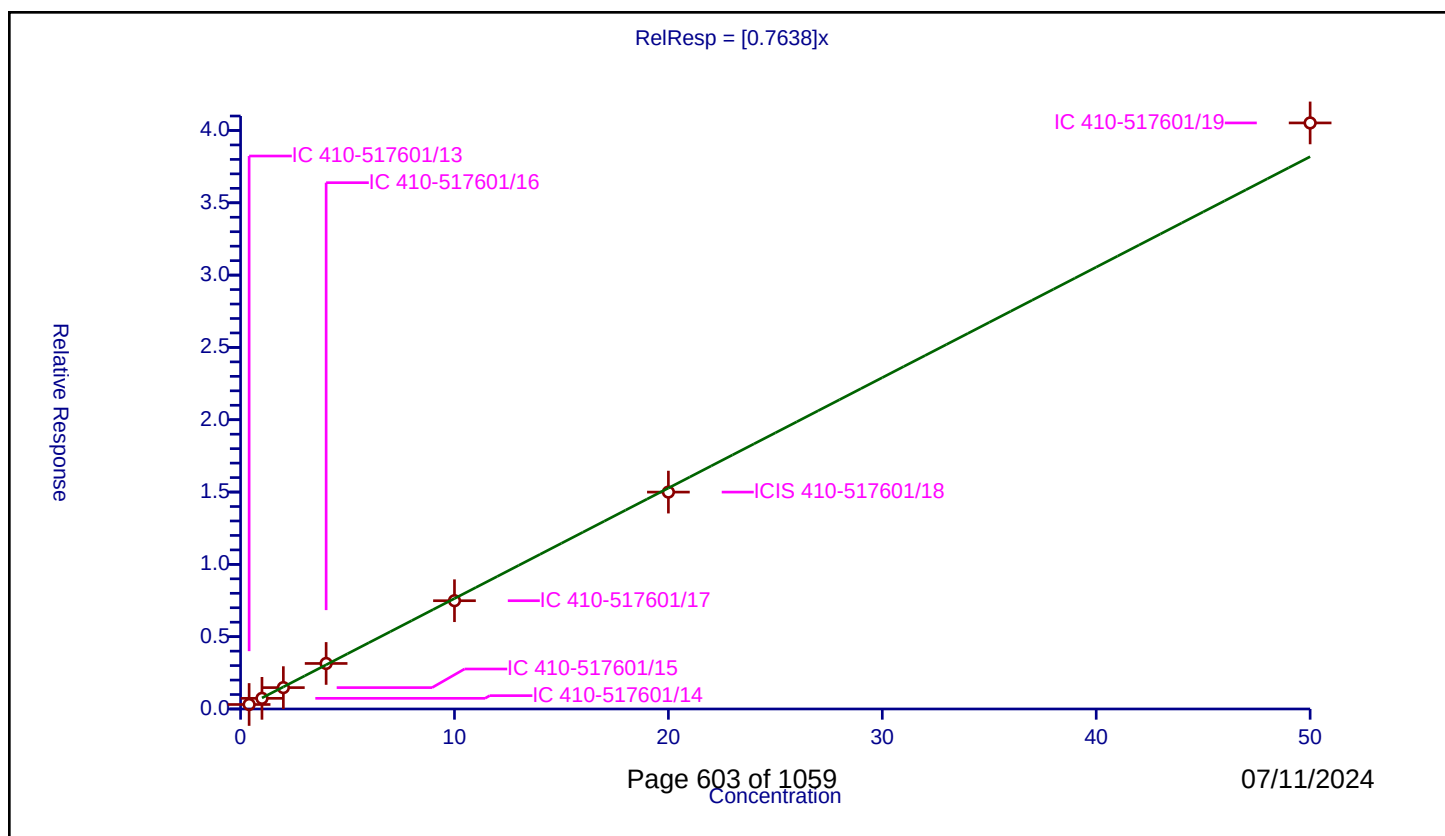
Curve Coefficients

Intercept: 0
 Slope: 0.7638

Error Coefficients

Relative Standard Deviation: 3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.4	0.31034	10.0	1782883.0	0.77585	Y
2	IC 410-517601/14	1.0	0.735987	10.0	1784584.0	0.735987	Y
3	IC 410-517601/15	2.0	1.477293	10.0	1748651.0	0.738647	Y
4	IC 410-517601/16	4.0	3.14761	10.0	1740765.0	0.786903	Y
5	IC 410-517601/17	10.0	7.486997	10.0	1774642.0	0.7487	Y
6	ICIS 410-517601/18	20.0	14.996709	10.0	1791303.0	0.749835	Y
7	IC 410-517601/19	50.0	40.521519	10.0	1739935.0	0.81043	Y



Calibration

/ o-Xylene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

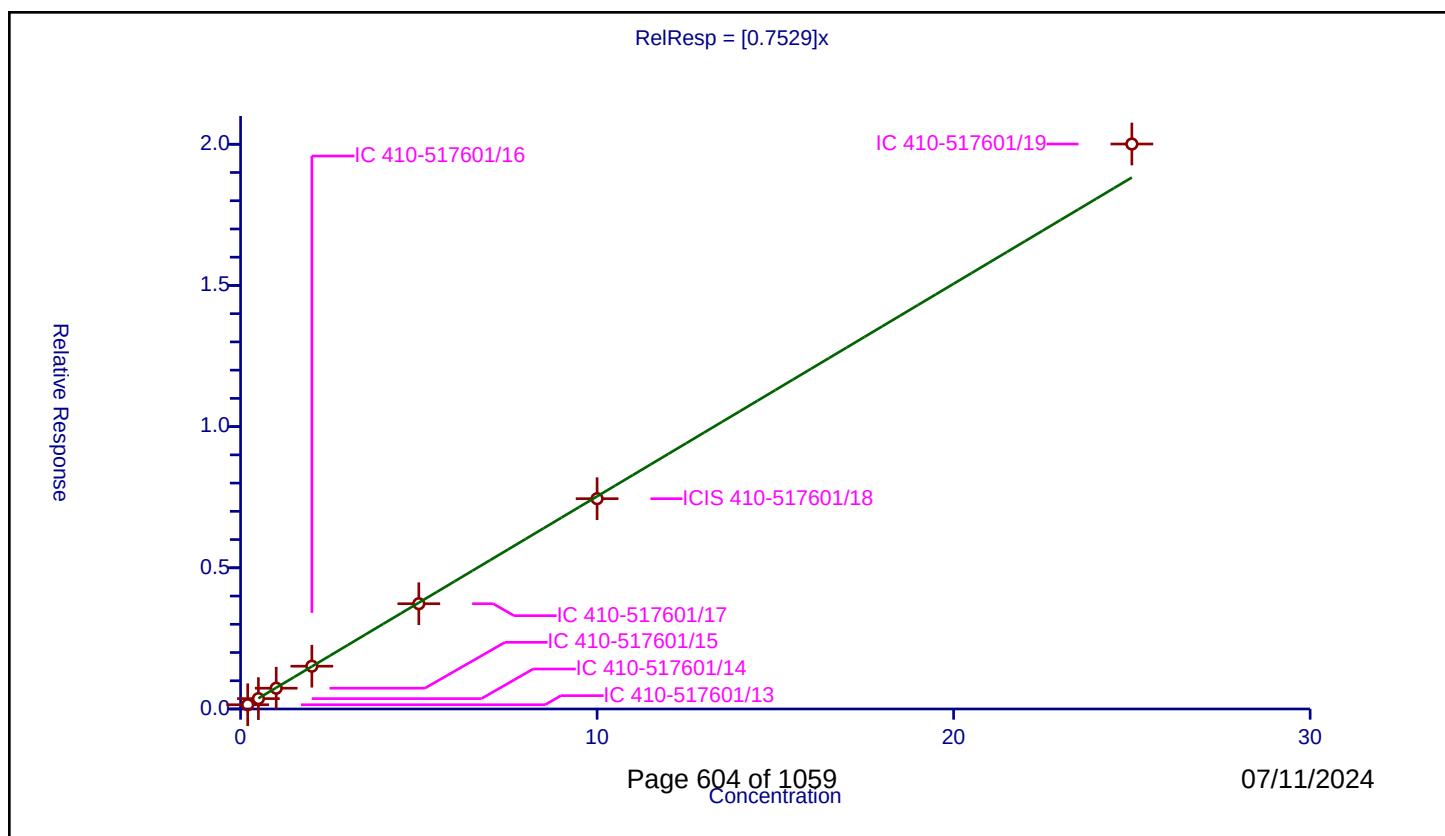
Curve Coefficients

Intercept: 0
Slope: 0.7529

Error Coefficients

Relative Standard Deviation: 3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.150296	10.0	1782883.0	0.751479	Y
2	IC 410-517601/14	0.5	0.367307	10.0	1784584.0	0.734614	Y
3	IC 410-517601/15	1.0	0.735927	10.0	1748651.0	0.735927	Y
4	IC 410-517601/16	2.0	1.515598	10.0	1740765.0	0.757799	Y
5	IC 410-517601/17	5.0	3.728177	10.0	1774642.0	0.745635	Y
6	ICIS 410-517601/18	10.0	7.447601	10.0	1791303.0	0.74476	Y
7	IC 410-517601/19	25.0	20.008109	10.0	1739935.0	0.800324	Y



Calibration

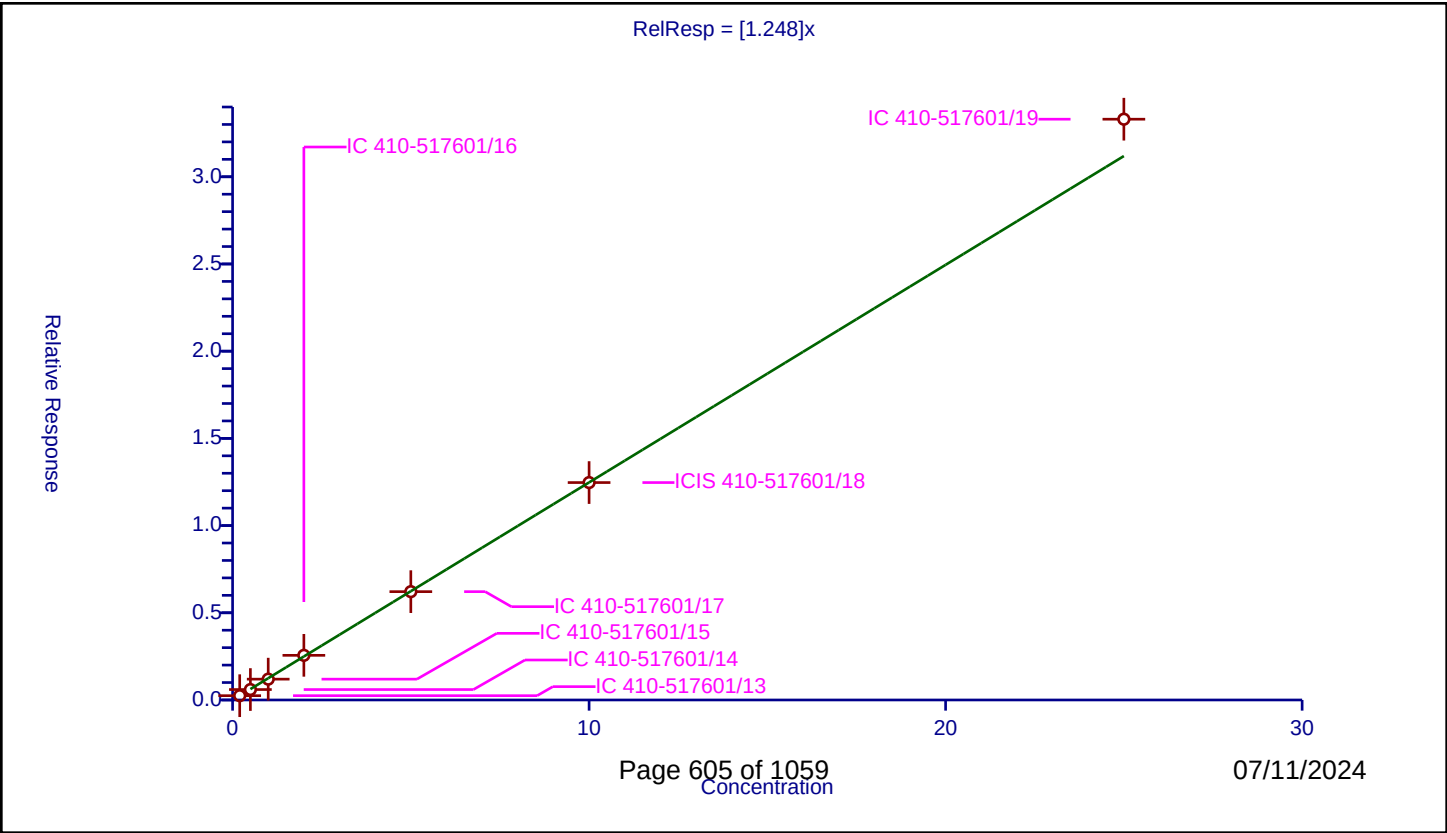
/ Styrene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.248
Error Coefficients	

Relative Standard Deviation: 3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.247638	10.0	1782883.0	1.238191	Y
2	IC 410-517601/14	0.5	0.599103	10.0	1784584.0	1.198206	Y
3	IC 410-517601/15	1.0	1.194898	10.0	1748651.0	1.194898	Y
4	IC 410-517601/16	2.0	2.560282	10.0	1740765.0	1.280141	Y
5	IC 410-517601/17	5.0	6.212363	10.0	1774642.0	1.242473	Y
6	ICIS 410-517601/18	10.0	12.466813	10.0	1791303.0	1.246681	Y
7	IC 410-517601/19	25.0	33.30133	10.0	1739935.0	1.332053	Y



Calibration

/ Bromoform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

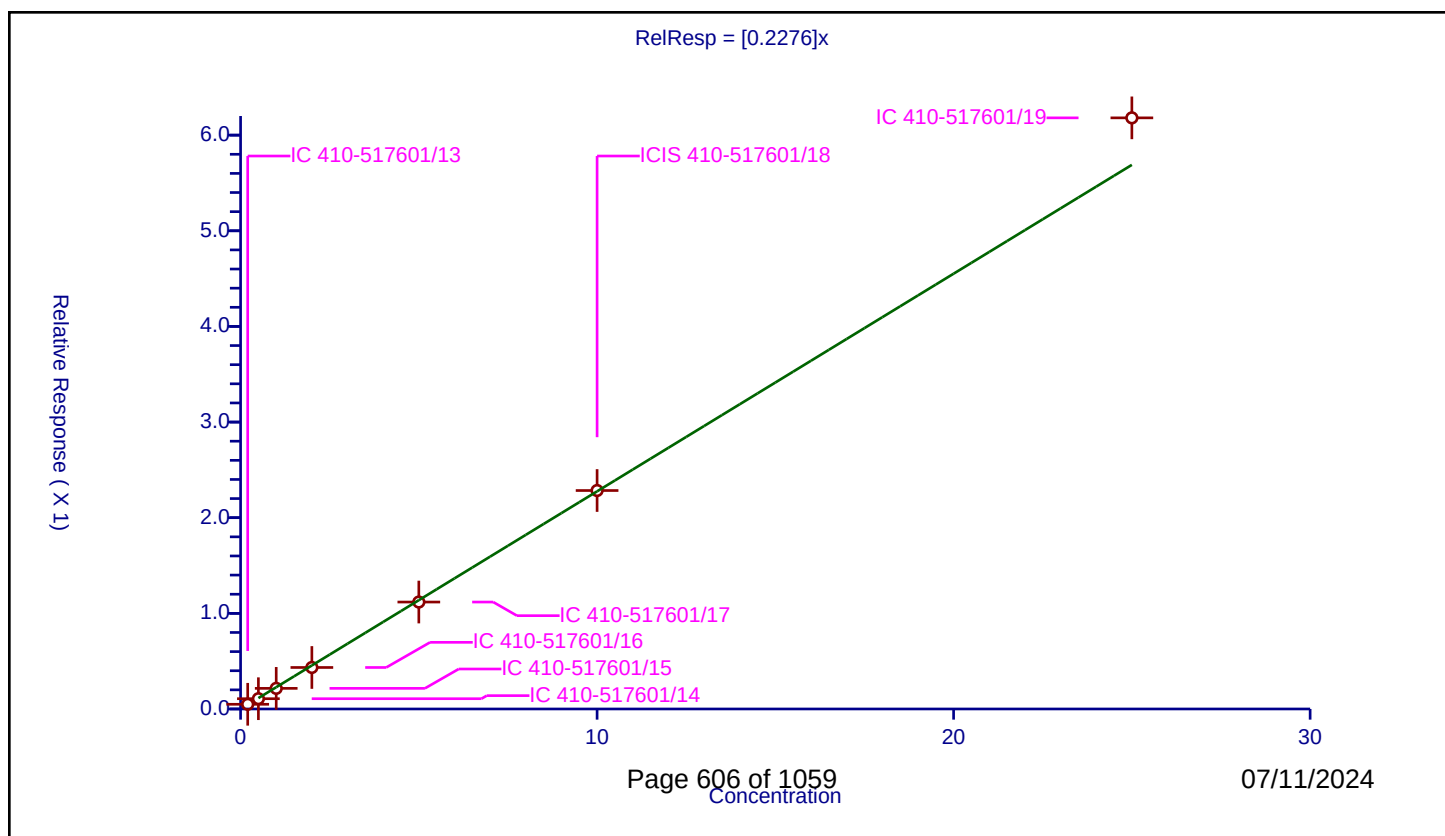
Curve Coefficients

Intercept: 0
Slope: 0.2276

Error Coefficients

Relative Standard Deviation: 6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.049179	10.0	1782883.0	0.245894	Y
2	IC 410-517601/14	0.5	0.107582	10.0	1784584.0	0.215165	Y
3	IC 410-517601/15	1.0	0.215589	10.0	1748651.0	0.215589	Y
4	IC 410-517601/16	2.0	0.434062	10.0	1740765.0	0.217031	Y
5	IC 410-517601/17	5.0	1.118276	10.0	1774642.0	0.223655	Y
6	ICIS 410-517601/18	10.0	2.284281	10.0	1791303.0	0.228428	Y
7	IC 410-517601/19	25.0	6.18065	10.0	1739935.0	0.247226	Y

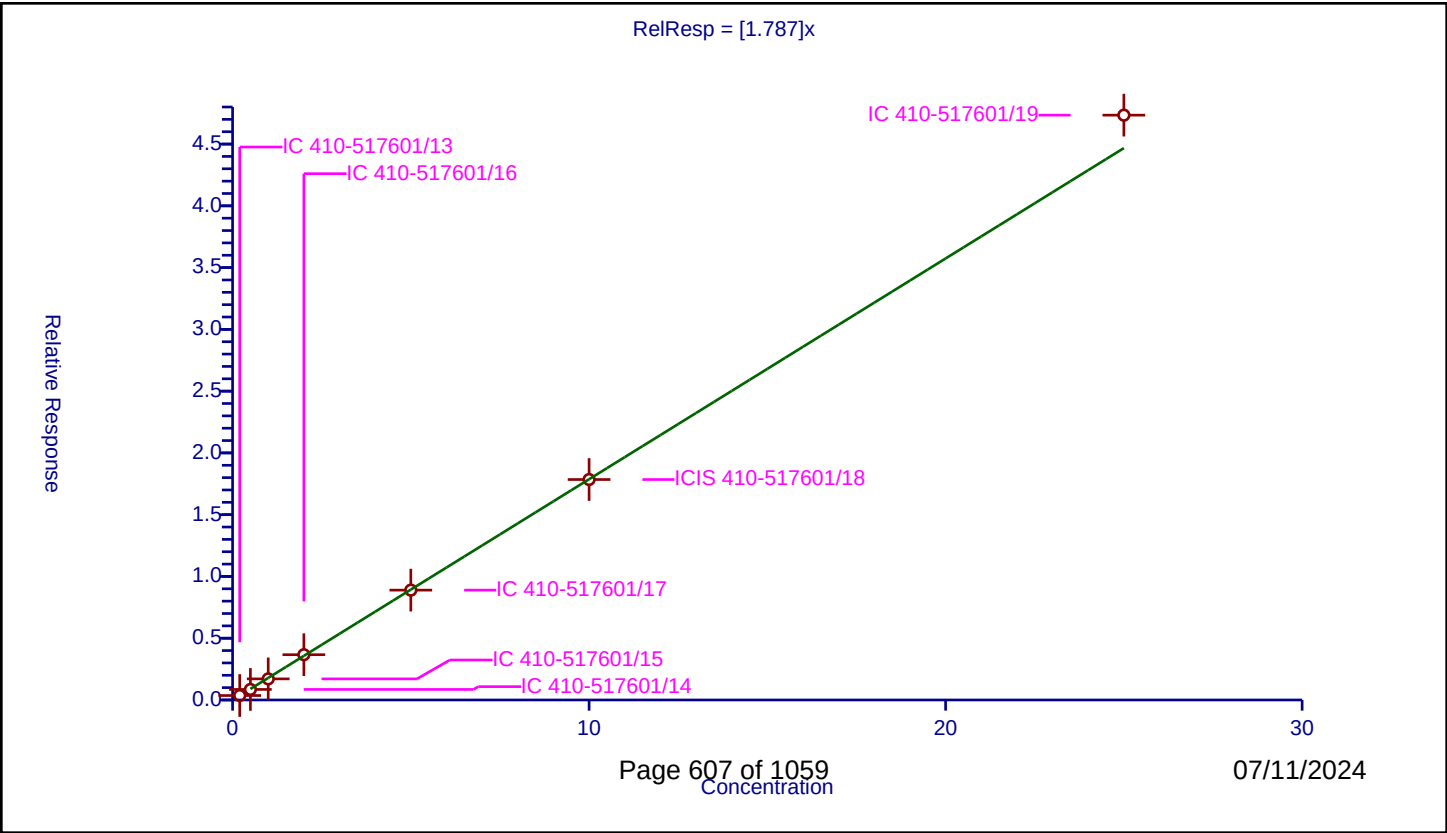


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.787
Error Coefficients	

Relative Standard Deviation: 3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.360629	10.0	1782883.0	1.803147	Y
2	IC 410-517601/14	0.5	0.853622	10.0	1784584.0	1.707244	Y
3	IC 410-517601/15	1.0	1.708397	10.0	1748651.0	1.708397	Y
4	IC 410-517601/16	2.0	3.66586	10.0	1740765.0	1.83293	Y
5	IC 410-517601/17	5.0	8.893382	10.0	1774642.0	1.778676	Y
6	ICIS 410-517601/18	10.0	17.846702	10.0	1791303.0	1.78467	Y
7	IC 410-517601/19	25.0	47.342533	10.0	1739935.0	1.893701	Y



Calibration

/ 4-Bromofluorobenzene (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

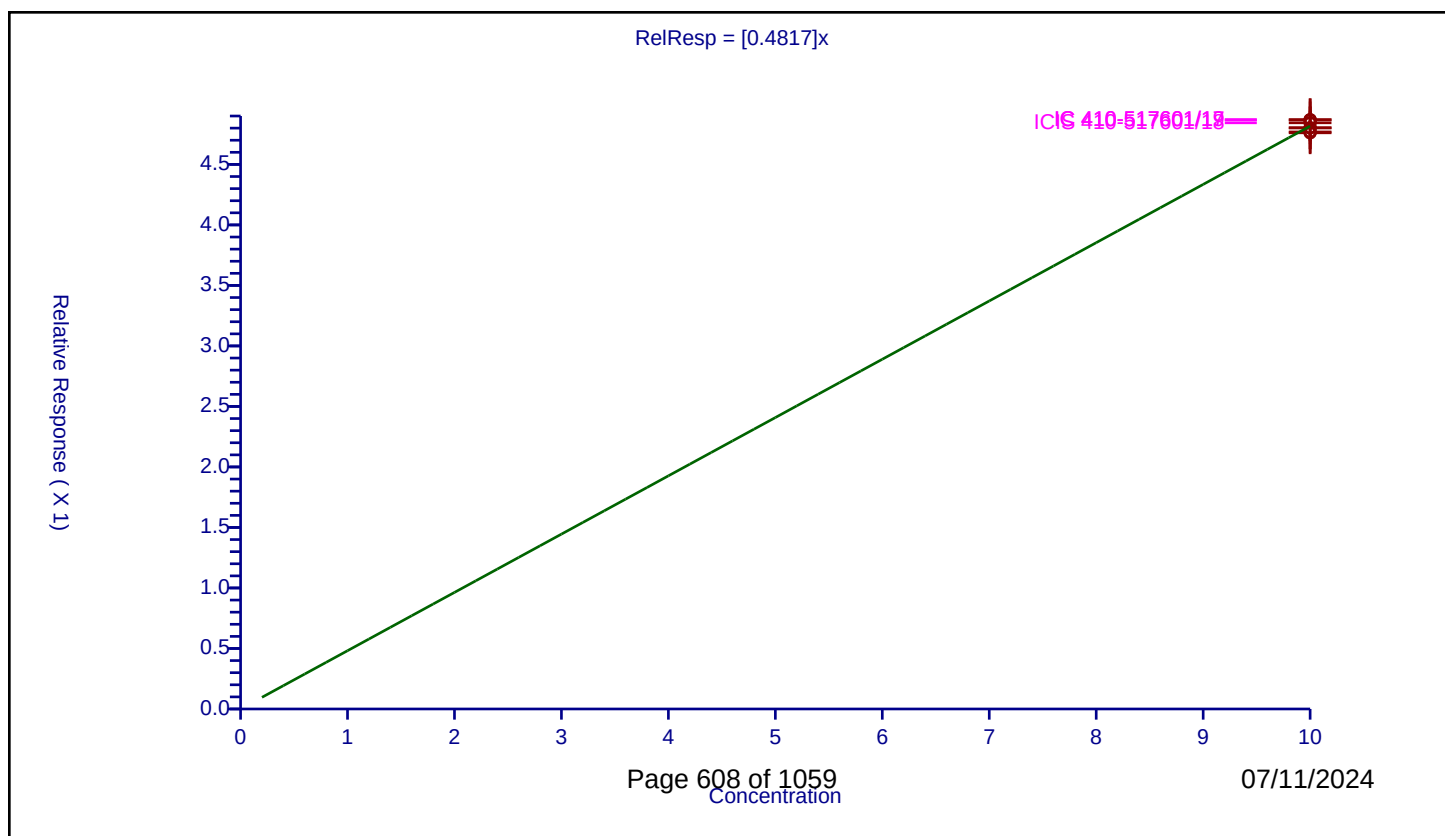
Curve Coefficients

Intercept: 0
Slope: 0.4817

Error Coefficients

Relative Standard Deviation: 0.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	10.0	4.768378	10.0	1782883.0	0.476838	Y
2	IC 410-517601/14	10.0	4.761104	10.0	1784584.0	0.47611	Y
3	IC 410-517601/15	10.0	4.802576	10.0	1748651.0	0.480258	Y
4	IC 410-517601/16	10.0	4.802021	10.0	1740765.0	0.480202	Y
5	IC 410-517601/17	10.0	4.868435	10.0	1774642.0	0.486844	Y
6	ICIS 410-517601/18	10.0	4.84391	10.0	1791303.0	0.484391	Y
7	IC 410-517601/19	10.0	4.869303	10.0	1739935.0	0.48693	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

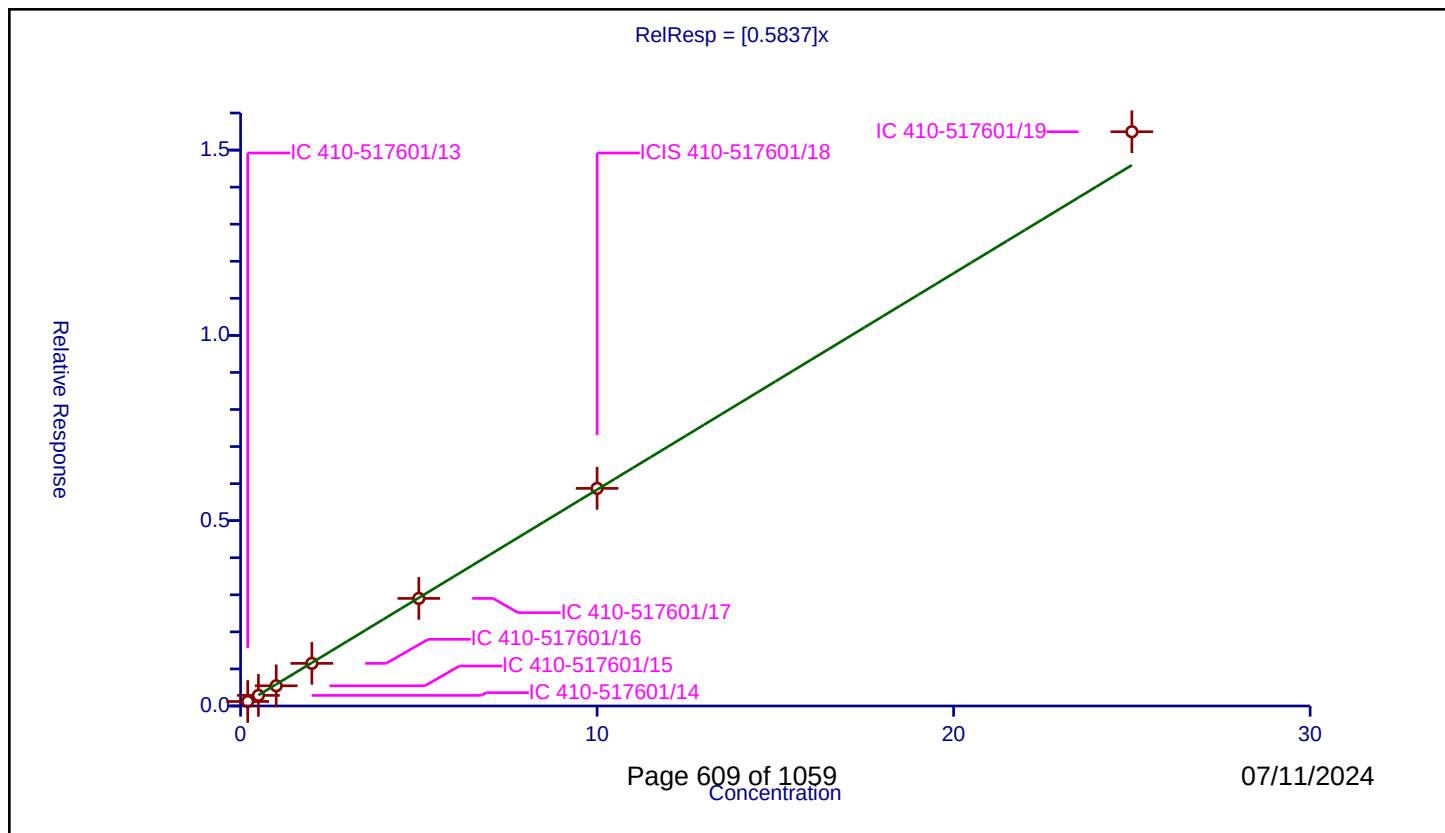
Curve Coefficients

Intercept: 0
 Slope: 0.5837

Error Coefficients

Relative Standard Deviation: 4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.121368	10.0	1015421.0	0.606842	Y
2	IC 410-517601/14	0.5	0.285807	10.0	1026393.0	0.571613	Y
3	IC 410-517601/15	1.0	0.545062	10.0	1014032.0	0.545062	Y
4	IC 410-517601/16	2.0	1.150089	10.0	1002844.0	0.575045	Y
5	IC 410-517601/17	5.0	2.903148	10.0	1046571.0	0.58063	Y
6	ICIS 410-517601/18	10.0	5.871962	10.0	1059823.0	0.587196	Y
7	IC 410-517601/19	25.0	15.495057	10.0	1044446.0	0.619802	Y



Calibration

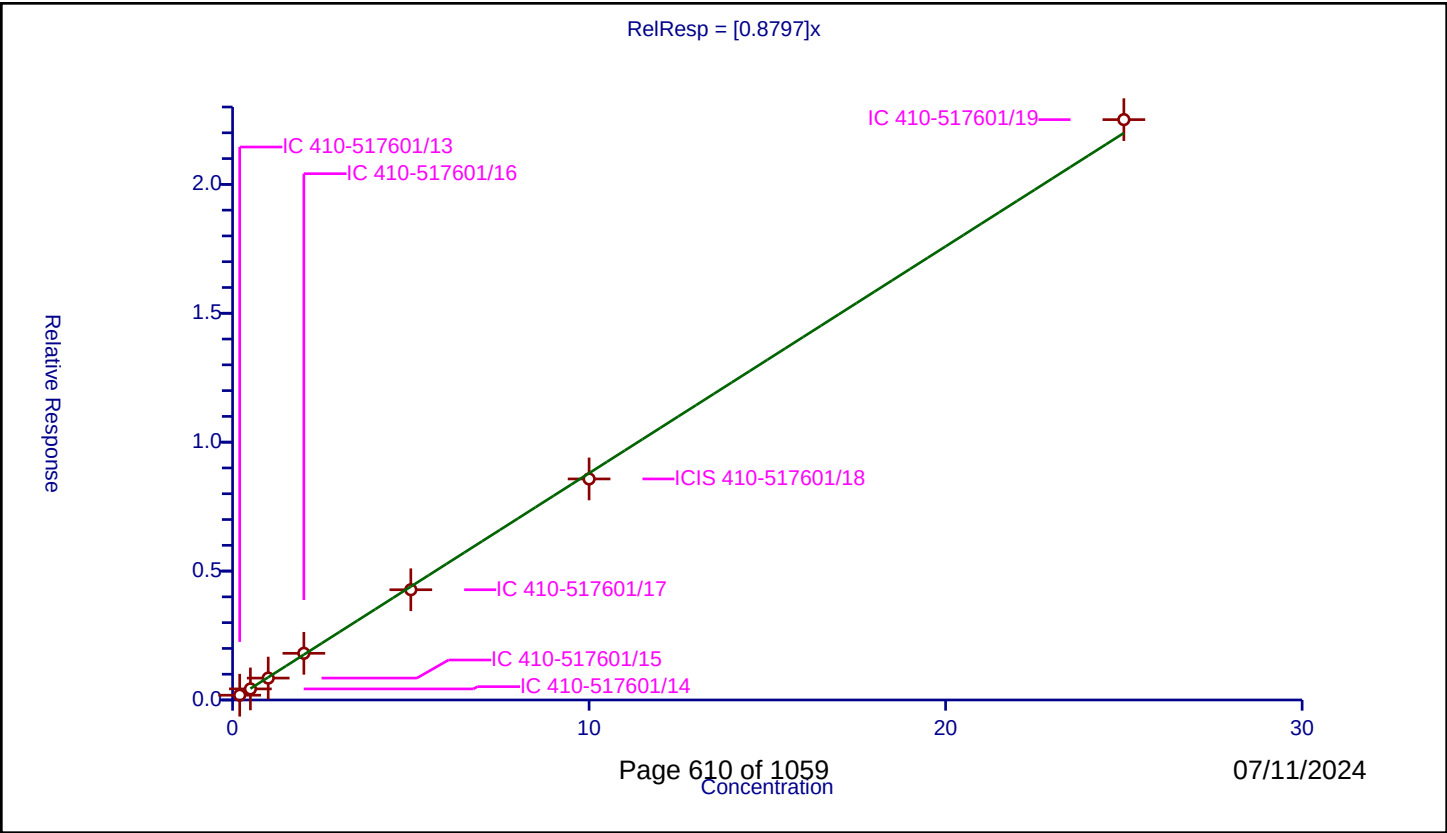
/ Bromobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8797
Error Coefficients	

Relative Standard Deviation: 3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.185913	10.0	1015421.0	0.929565	Y
2	IC 410-517601/14	0.5	0.430245	10.0	1026393.0	0.860489	Y
3	IC 410-517601/15	1.0	0.849214	10.0	1014032.0	0.849214	Y
4	IC 410-517601/16	2.0	1.81082	10.0	1002844.0	0.90541	Y
5	IC 410-517601/17	5.0	4.276117	10.0	1046571.0	0.855223	Y
6	ICIS 410-517601/18	10.0	8.574536	10.0	1059823.0	0.857454	Y
7	IC 410-517601/19	25.0	22.510326	10.0	1044446.0	0.900413	Y



Calibration

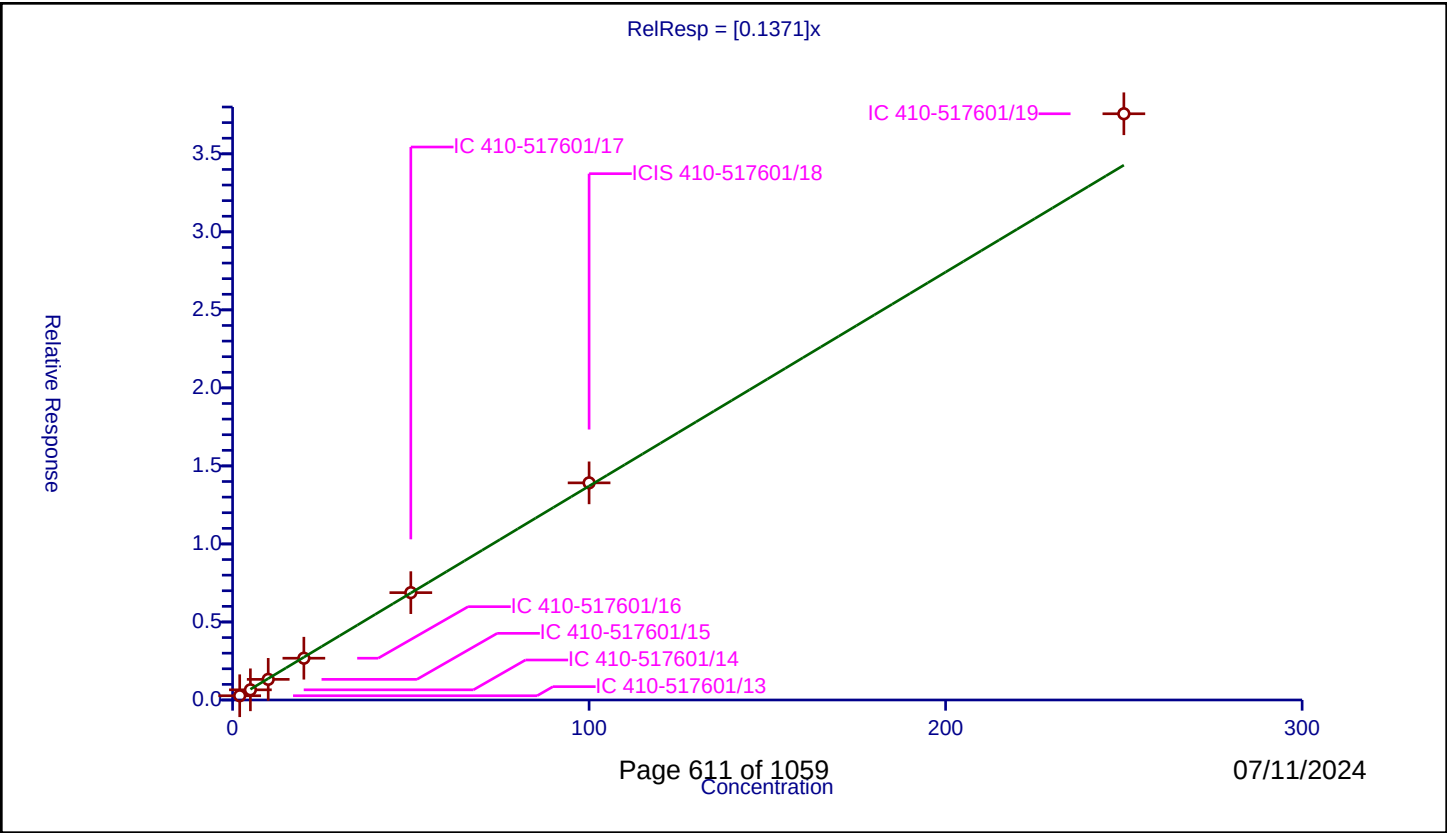
/ trans-1,4-Dichloro-2-butene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1371
Error Coefficients	

Relative Standard Deviation: 4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	2.0	0.272419	10.0	1015421.0	0.13621	Y
2	IC 410-517601/14	5.0	0.652294	10.0	1026393.0	0.130459	Y
3	IC 410-517601/15	10.0	1.321724	10.0	1014032.0	0.132172	Y
4	IC 410-517601/16	20.0	2.676777	10.0	1002844.0	0.133839	Y
5	IC 410-517601/17	50.0	6.879122	10.0	1046571.0	0.137582	Y
6	ICIS 410-517601/18	100.0	13.915456	10.0	1059823.0	0.139155	Y
7	IC 410-517601/19	250.0	37.567103	10.0	1044446.0	0.150268	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

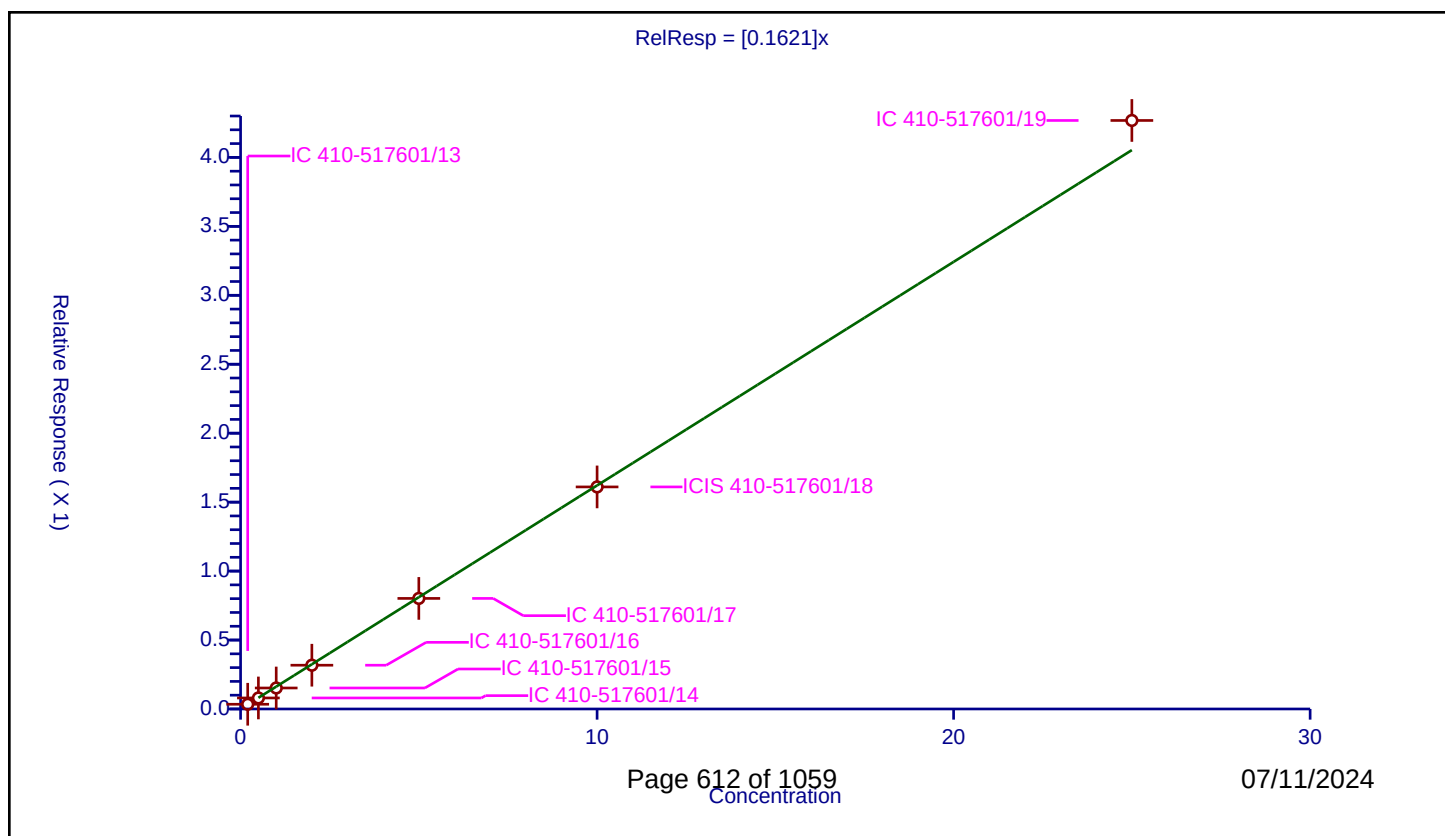
Curve Coefficients

Intercept: 0
 Slope: 0.1621

Error Coefficients

Relative Standard Deviation: 4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.03438	10.0	1015421.0	0.171899	Y
2	IC 410-517601/14	0.5	0.079891	10.0	1026393.0	0.159783	Y
3	IC 410-517601/15	1.0	0.152254	10.0	1014032.0	0.152254	Y
4	IC 410-517601/16	2.0	0.317417	10.0	1002844.0	0.158709	Y
5	IC 410-517601/17	5.0	0.801924	10.0	1046571.0	0.160385	Y
6	ICIS 410-517601/18	10.0	1.610392	10.0	1059823.0	0.161039	Y
7	IC 410-517601/19	25.0	4.267736	10.0	1044446.0	0.170709	Y

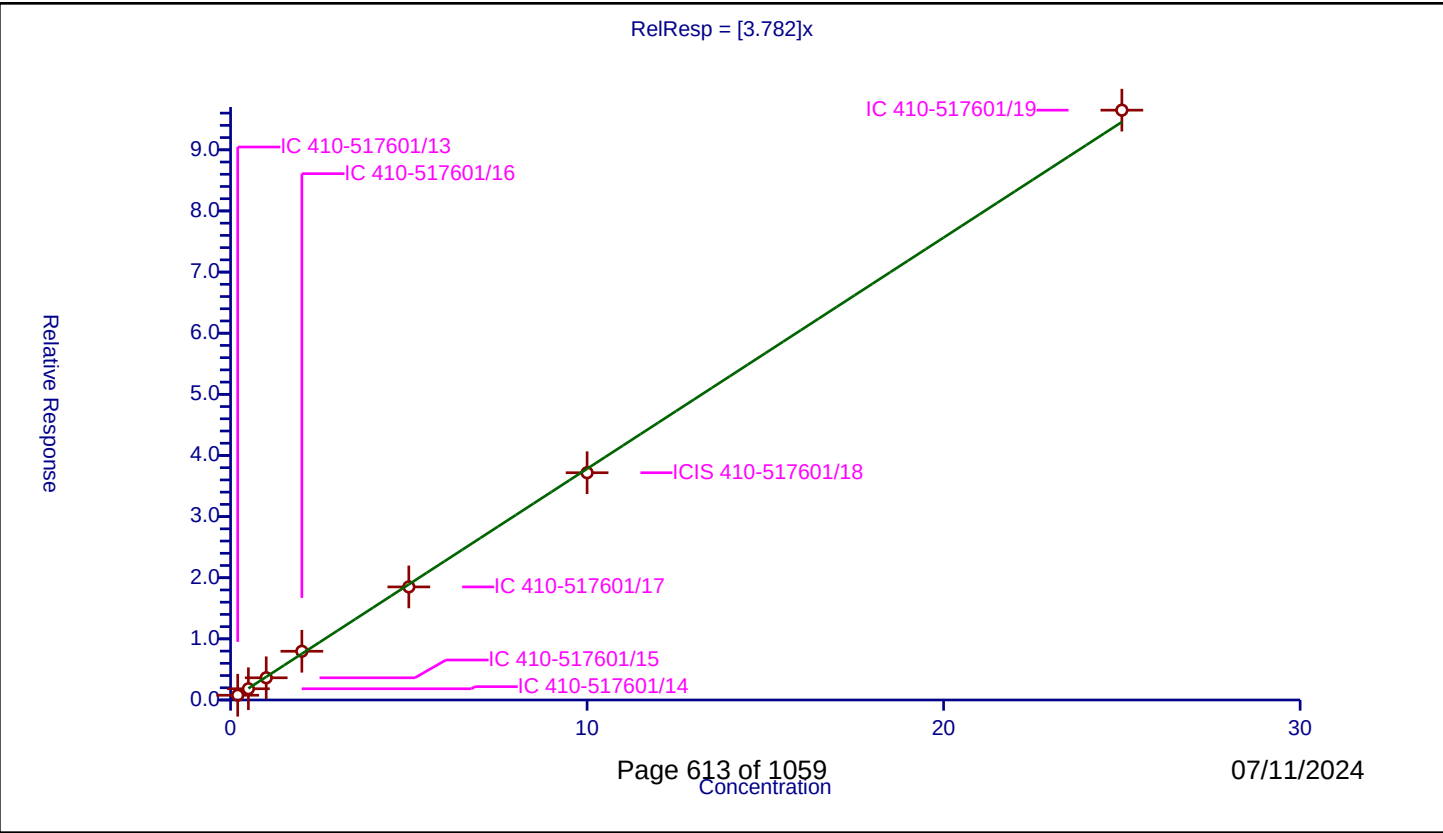


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.782
Error Coefficients	

Relative Standard Deviation: 3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.780356	10.0	1015421.0	3.901781	Y
2	IC 410-517601/14	0.5	1.838682	10.0	1026393.0	3.677363	Y
3	IC 410-517601/15	1.0	3.631868	10.0	1014032.0	3.631868	Y
4	IC 410-517601/16	2.0	7.97113	10.0	1002844.0	3.985565	Y
5	IC 410-517601/17	5.0	18.499844	10.0	1046571.0	3.699969	Y
6	ICIS 410-517601/18	10.0	37.176595	10.0	1059823.0	3.717659	Y
7	IC 410-517601/19	25.0	96.486673	10.0	1044446.0	3.859467	Y

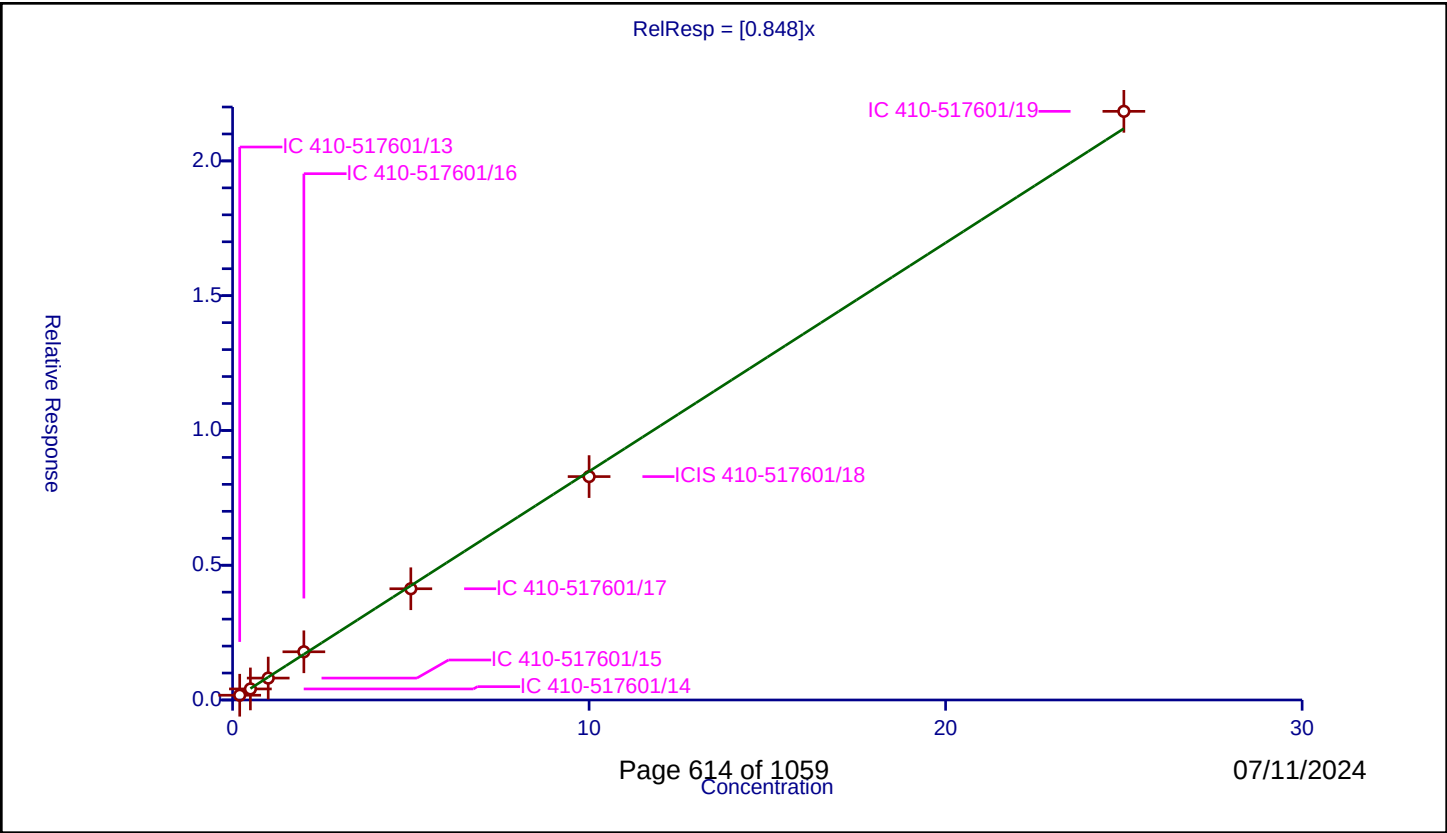


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.848
Error Coefficients	

Relative Standard Deviation: 4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.17636	10.0	1015421.0	0.881802	Y
2	IC 410-517601/14	0.5	0.410038	10.0	1026393.0	0.820076	Y
3	IC 410-517601/15	1.0	0.812351	10.0	1014032.0	0.812351	Y
4	IC 410-517601/16	2.0	1.788194	10.0	1002844.0	0.894097	Y
5	IC 410-517601/17	5.0	4.127183	10.0	1046571.0	0.825437	Y
6	ICIS 410-517601/18	10.0	8.288469	10.0	1059823.0	0.828847	Y
7	IC 410-517601/19	25.0	21.839463	10.0	1044446.0	0.873579	Y



Calibration

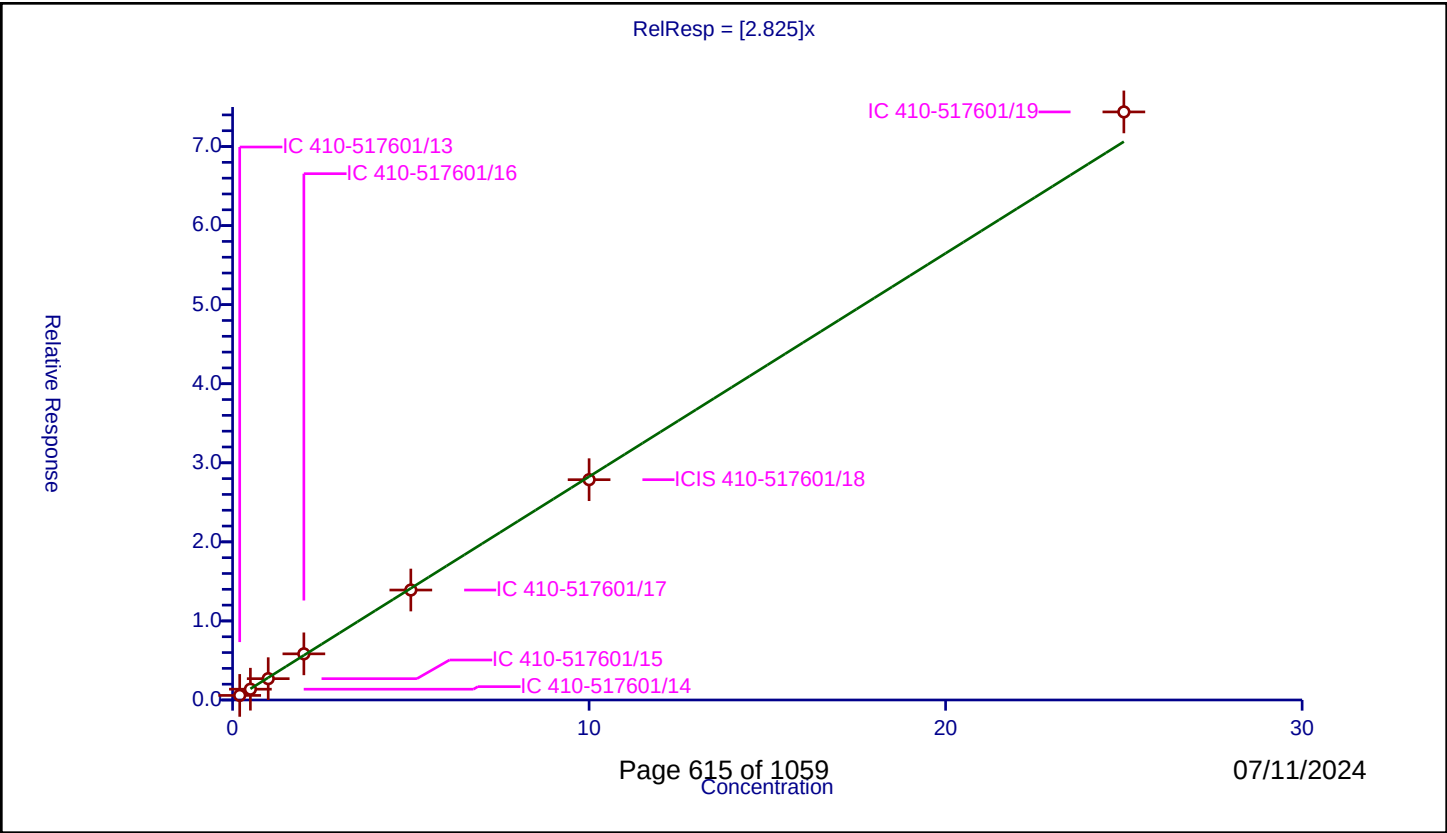
/ 1,3,5-Trimethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.825
Error Coefficients	

Relative Standard Deviation: 3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.576933	10.0	1015421.0	2.884666	Y
2	IC 410-517601/14	0.5	1.365111	10.0	1026393.0	2.730221	Y
3	IC 410-517601/15	1.0	2.697321	10.0	1014032.0	2.697321	Y
4	IC 410-517601/16	2.0	5.835703	10.0	1002844.0	2.917852	Y
5	IC 410-517601/17	5.0	13.908077	10.0	1046571.0	2.781615	Y
6	ICIS 410-517601/18	10.0	27.865219	10.0	1059823.0	2.786522	Y
7	IC 410-517601/19	25.0	74.377756	10.0	1044446.0	2.97511	Y



Calibration

/ 4-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

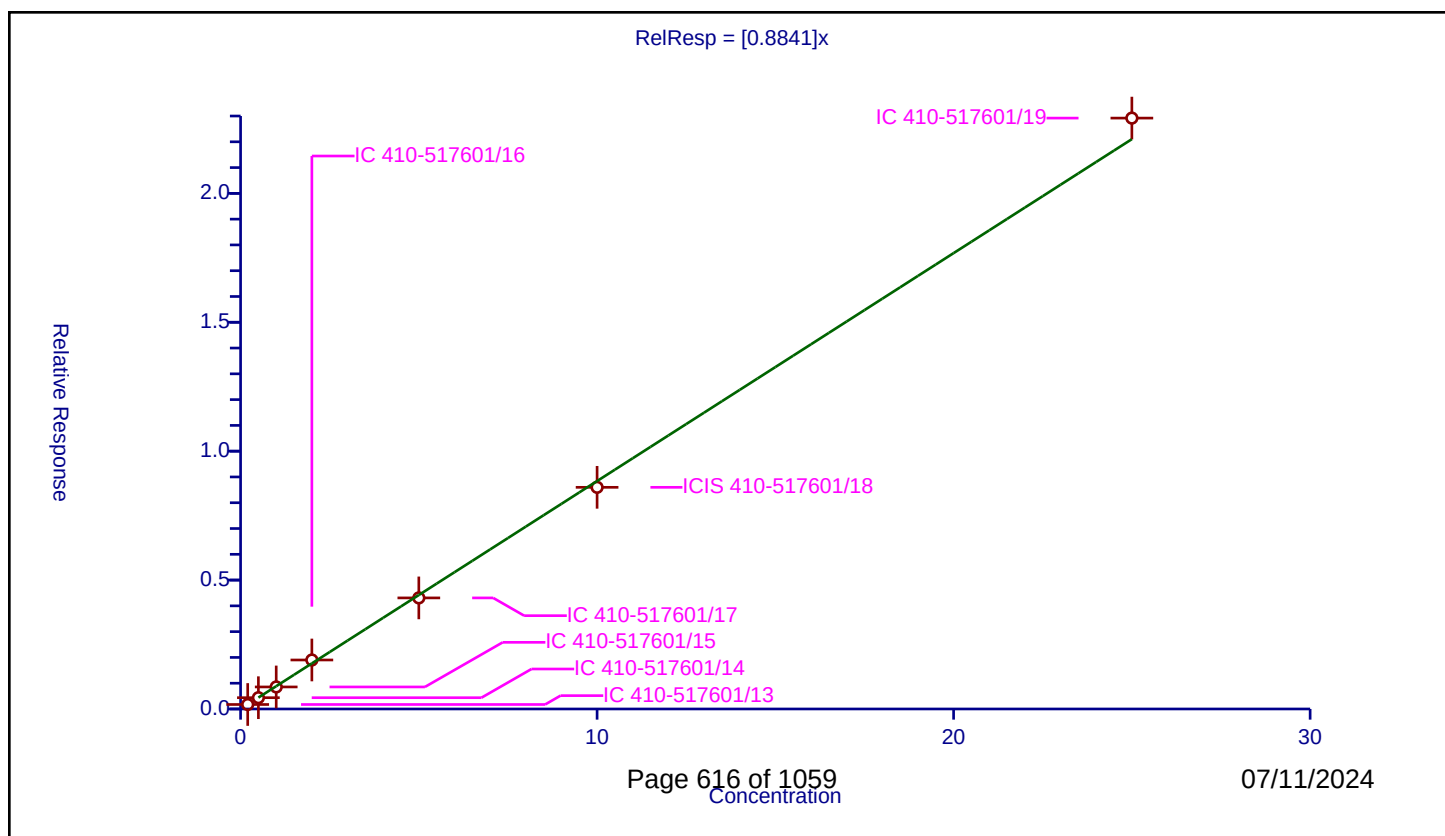
Curve Coefficients

Intercept: 0
Slope: 0.8841

Error Coefficients

Relative Standard Deviation: 4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.173928	10.0	1015421.0	0.869639	Y
2	IC 410-517601/14	0.5	0.437893	10.0	1026393.0	0.875785	Y
3	IC 410-517601/15	1.0	0.854805	10.0	1014032.0	0.854805	Y
4	IC 410-517601/16	2.0	1.900226	10.0	1002844.0	0.950113	Y
5	IC 410-517601/17	5.0	4.308614	10.0	1046571.0	0.861723	Y
6	ICIS 410-517601/18	10.0	8.598341	10.0	1059823.0	0.859834	Y
7	IC 410-517601/19	25.0	22.919711	10.0	1044446.0	0.916788	Y



Calibration

/ tert-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

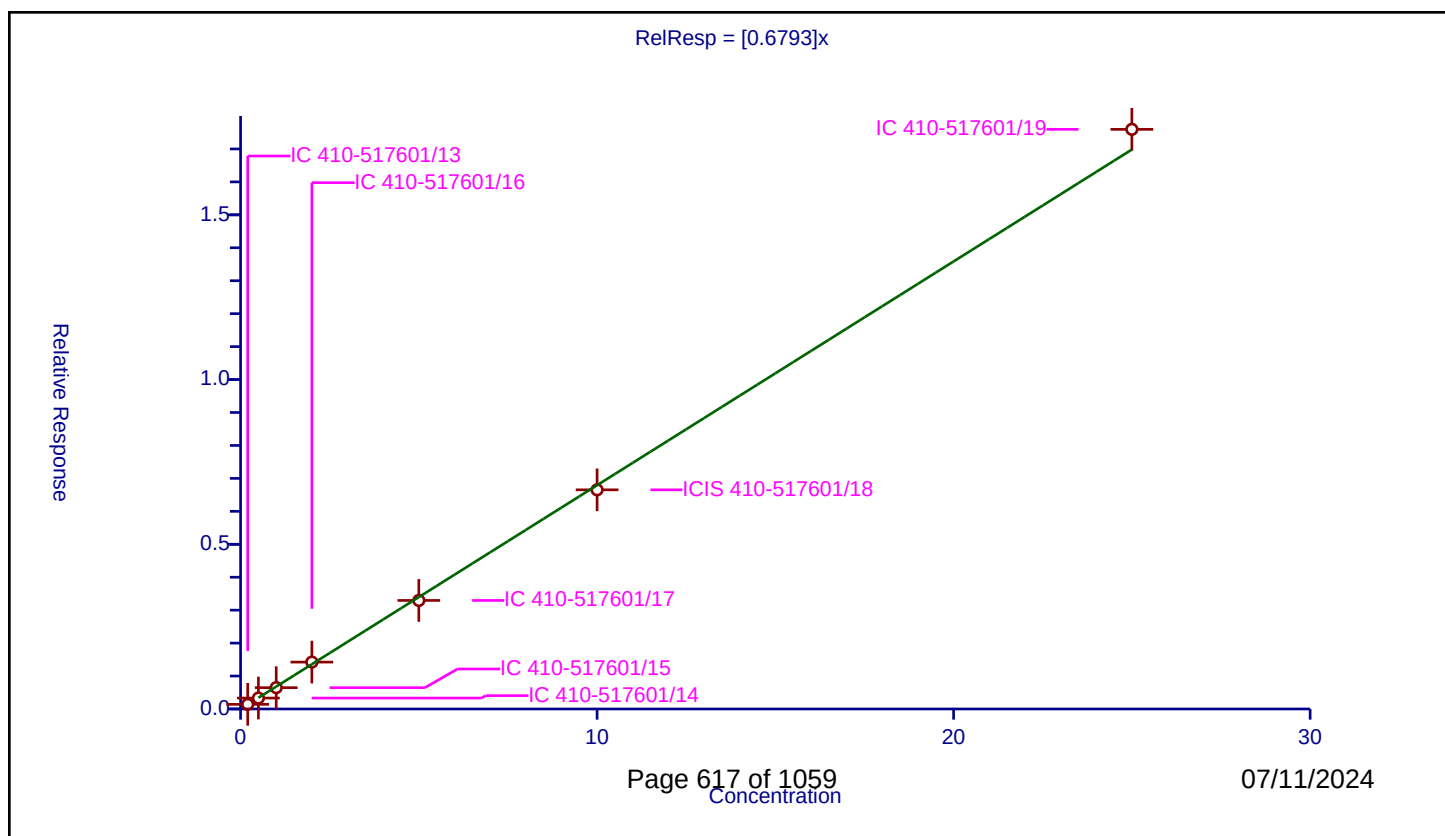
Curve Coefficients

Intercept: 0
Slope: 0.6793

Error Coefficients

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.141084	10.0	1015421.0	0.705422	Y
2	IC 410-517601/14	0.5	0.331082	10.0	1026393.0	0.662164	Y
3	IC 410-517601/15	1.0	0.647554	10.0	1014032.0	0.647554	Y
4	IC 410-517601/16	2.0	1.423512	10.0	1002844.0	0.711756	Y
5	IC 410-517601/17	5.0	3.294578	10.0	1046571.0	0.658916	Y
6	ICIS 410-517601/18	10.0	6.652951	10.0	1059823.0	0.665295	Y
7	IC 410-517601/19	25.0	17.595625	10.0	1044446.0	0.703825	Y



Calibration

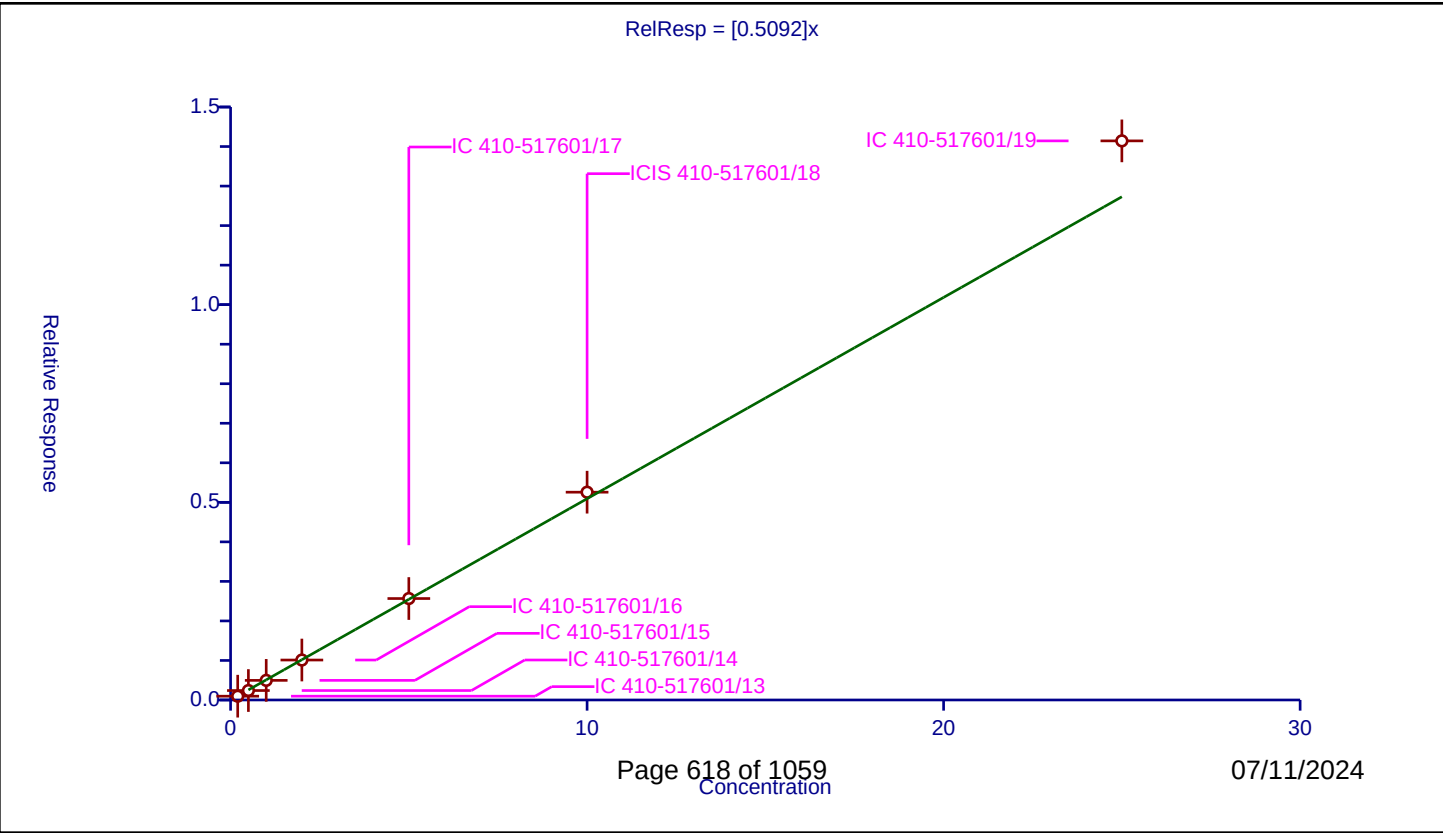
/ Pentachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5092
Error Coefficients	

Relative Standard Deviation: 5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.095803	10.0	1015421.0	0.479013	Y
2	IC 410-517601/14	0.5	0.23944	10.0	1026393.0	0.478881	Y
3	IC 410-517601/15	1.0	0.496138	10.0	1014032.0	0.496138	Y
4	IC 410-517601/16	2.0	1.010995	10.0	1002844.0	0.505497	Y
5	IC 410-517601/17	5.0	2.566486	10.0	1046571.0	0.513297	Y
6	ICIS 410-517601/18	10.0	5.256255	10.0	1059823.0	0.525626	Y
7	IC 410-517601/19	25.0	14.143182	10.0	1044446.0	0.565727	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

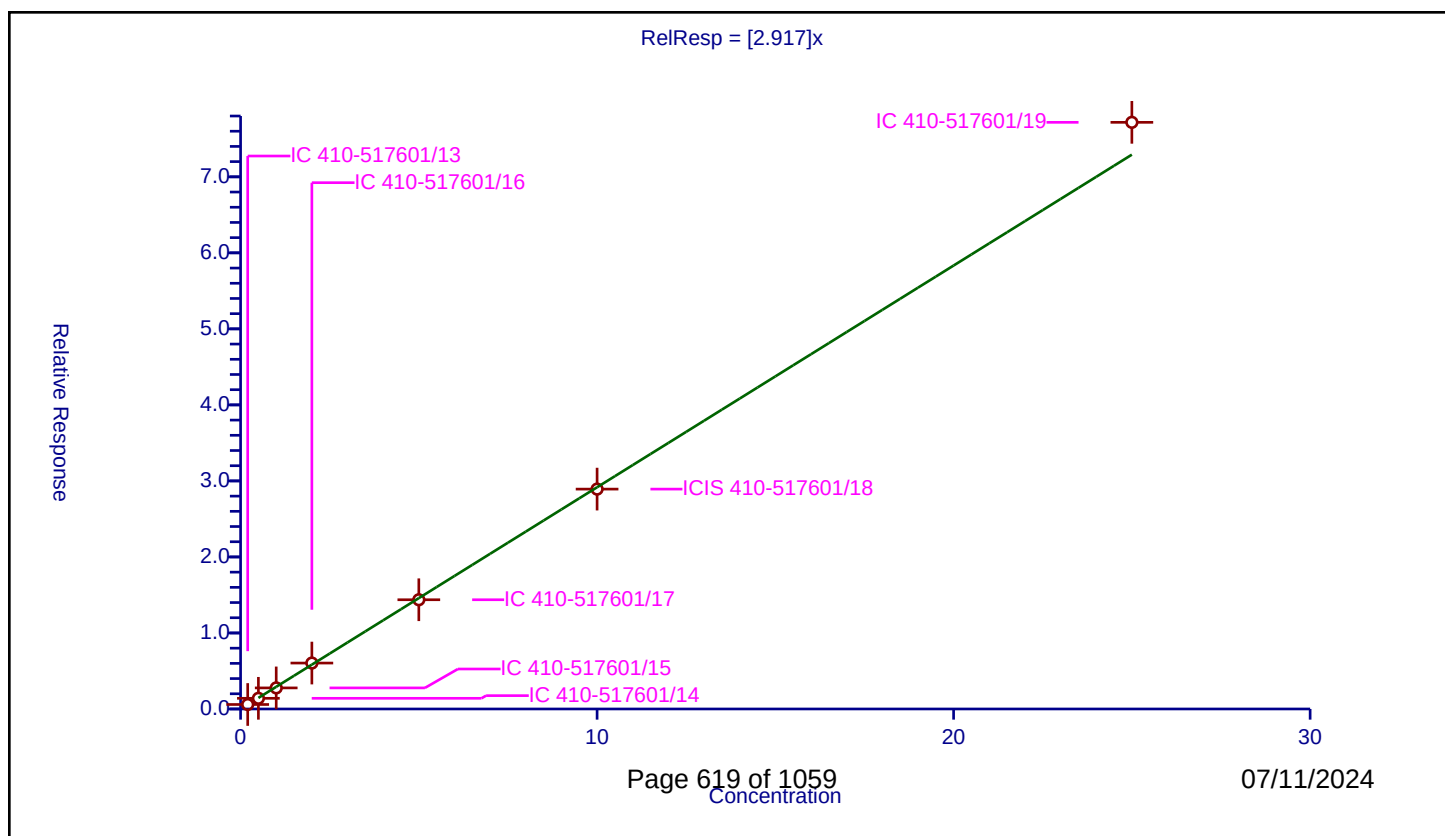
Curve Coefficients

Intercept: 0
Slope: 2.917

Error Coefficients

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.592533	10.0	1015421.0	2.962663	Y
2	IC 410-517601/14	0.5	1.404326	10.0	1026393.0	2.808651	Y
3	IC 410-517601/15	1.0	2.771609	10.0	1014032.0	2.771609	Y
4	IC 410-517601/16	2.0	6.041468	10.0	1002844.0	3.020734	Y
5	IC 410-517601/17	5.0	14.36902	10.0	1046571.0	2.873804	Y
6	ICIS 410-517601/18	10.0	28.922905	10.0	1059823.0	2.892291	Y
7	IC 410-517601/19	25.0	77.167522	10.0	1044446.0	3.086701	Y



Calibration

/ sec-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

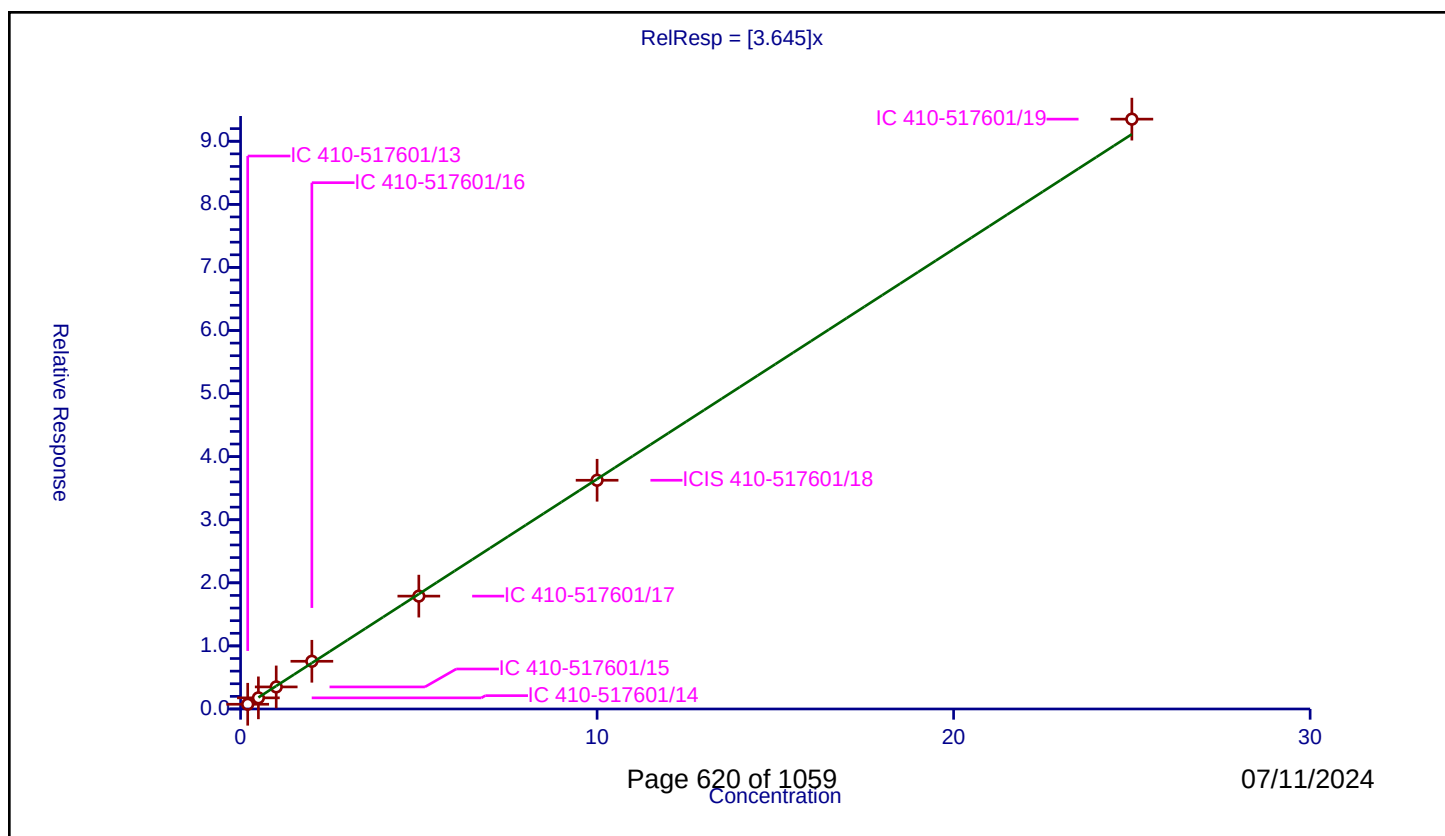
Curve Coefficients

Intercept: 0
Slope: 3.645

Error Coefficients

Relative Standard Deviation: 3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.751422	10.0	1015421.0	3.757112	Y
2	IC 410-517601/14	0.5	1.766078	10.0	1026393.0	3.532156	Y
3	IC 410-517601/15	1.0	3.497059	10.0	1014032.0	3.497059	Y
4	IC 410-517601/16	2.0	7.564417	10.0	1002844.0	3.782208	Y
5	IC 410-517601/17	5.0	17.890645	10.0	1046571.0	3.578129	Y
6	ICIS 410-517601/18	10.0	36.260583	10.0	1059823.0	3.626058	Y
7	IC 410-517601/19	25.0	93.505131	10.0	1044446.0	3.740205	Y



Calibration

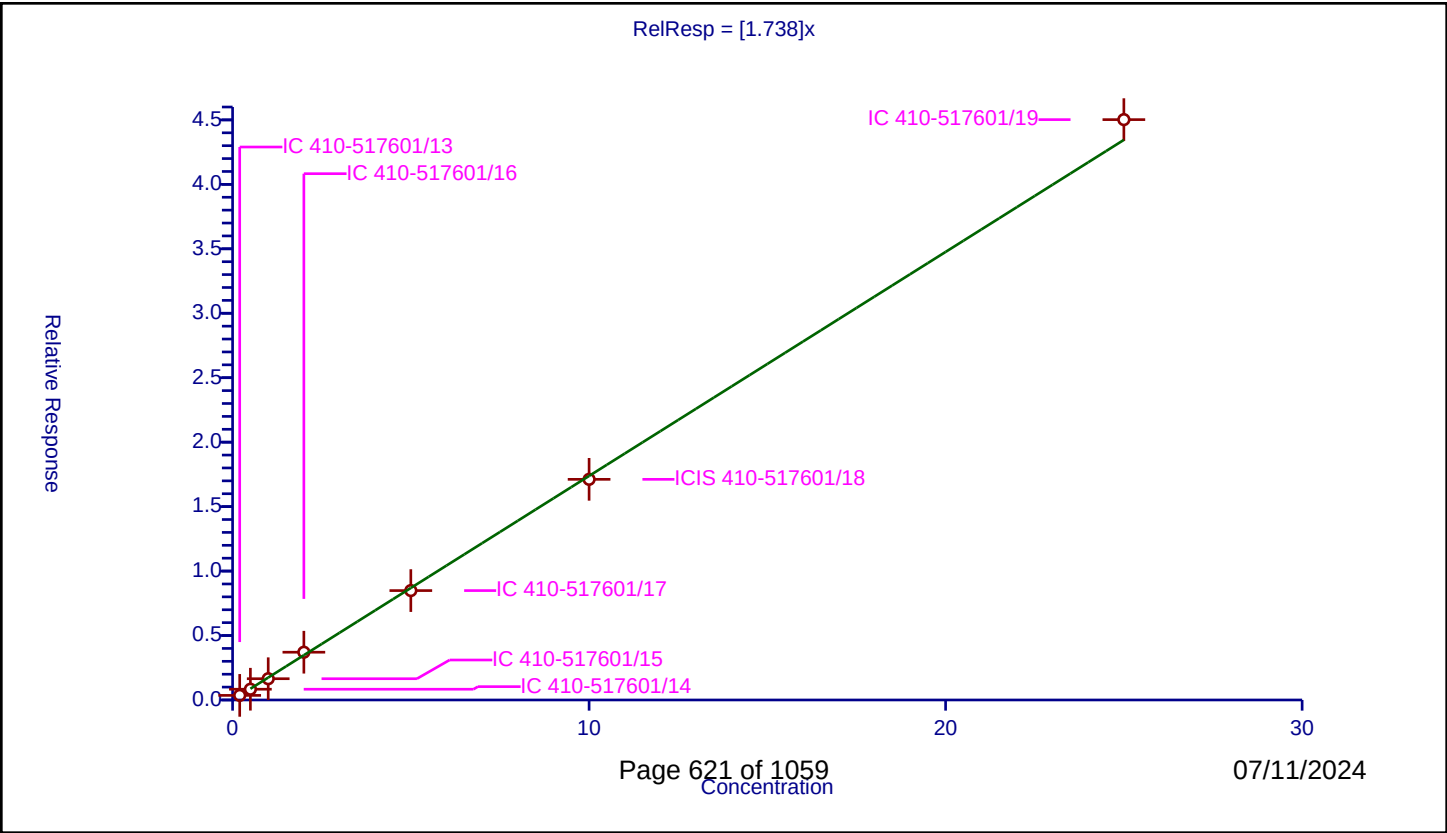
/ 1,3-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.738
Error Coefficients	

Relative Standard Deviation: 4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.357202	10.0	1015421.0	1.786008	Y
2	IC 410-517601/14	0.5	0.833687	10.0	1026393.0	1.667373	Y
3	IC 410-517601/15	1.0	1.649277	10.0	1014032.0	1.649277	Y
4	IC 410-517601/16	2.0	3.70589	10.0	1002844.0	1.852945	Y
5	IC 410-517601/17	5.0	8.487031	10.0	1046571.0	1.697406	Y
6	ICIS 410-517601/18	10.0	17.116254	10.0	1059823.0	1.711625	Y
7	IC 410-517601/19	25.0	45.022251	10.0	1044446.0	1.80089	Y



Calibration

/ 4-Isopropyltoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

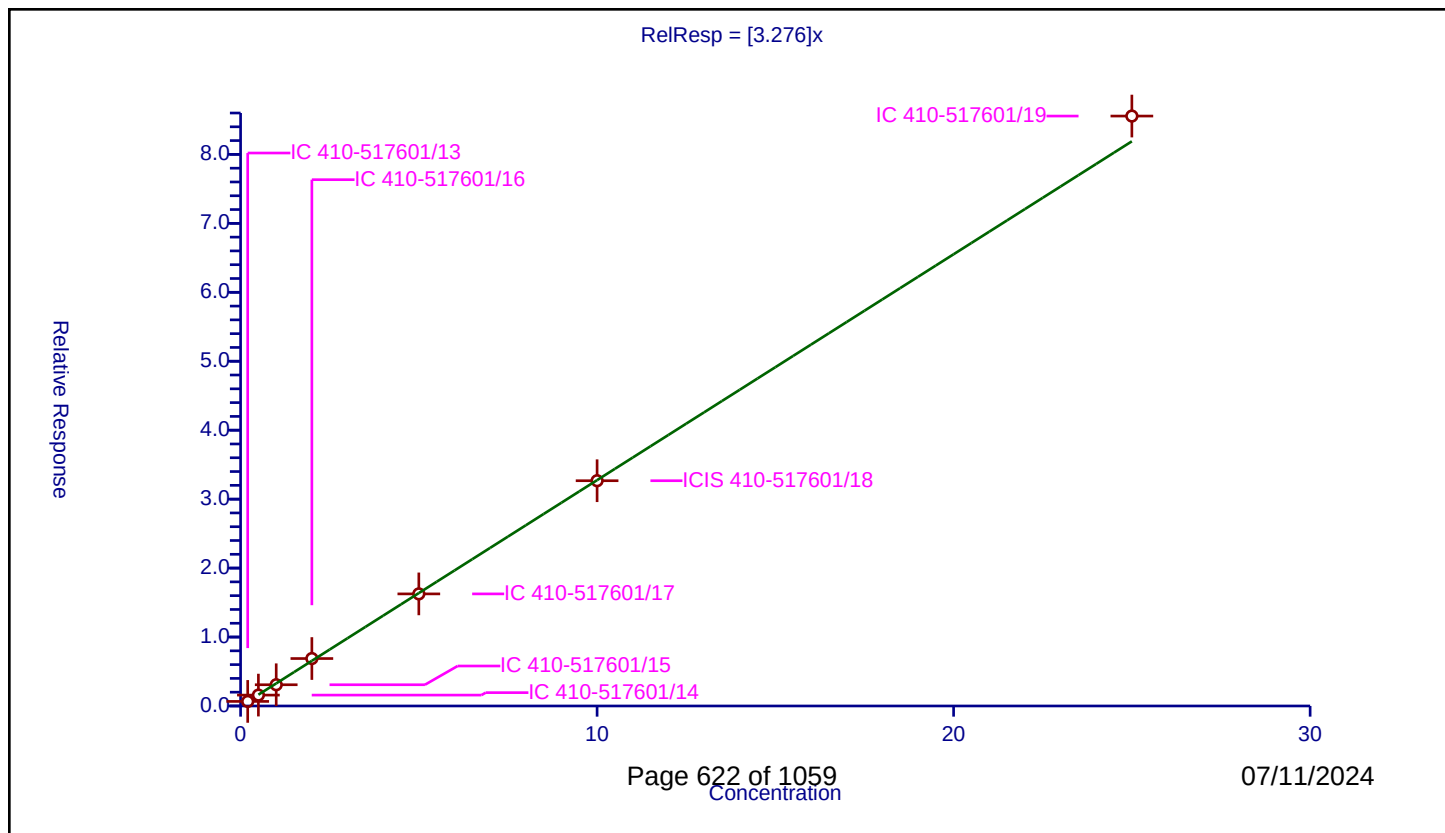
Curve Coefficients

Intercept: 0
Slope: 3.276

Error Coefficients

Relative Standard Deviation: 4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.661952	10.0	1015421.0	3.30976	Y
2	IC 410-517601/14	0.5	1.578489	10.0	1026393.0	3.156978	Y
3	IC 410-517601/15	1.0	3.081707	10.0	1014032.0	3.081707	Y
4	IC 410-517601/16	2.0	6.881828	10.0	1002844.0	3.440914	Y
5	IC 410-517601/17	5.0	16.257387	10.0	1046571.0	3.251477	Y
6	ICIS 410-517601/18	10.0	32.668908	10.0	1059823.0	3.266891	Y
7	IC 410-517601/19	25.0	85.558028	10.0	1044446.0	3.422321	Y



Calibration

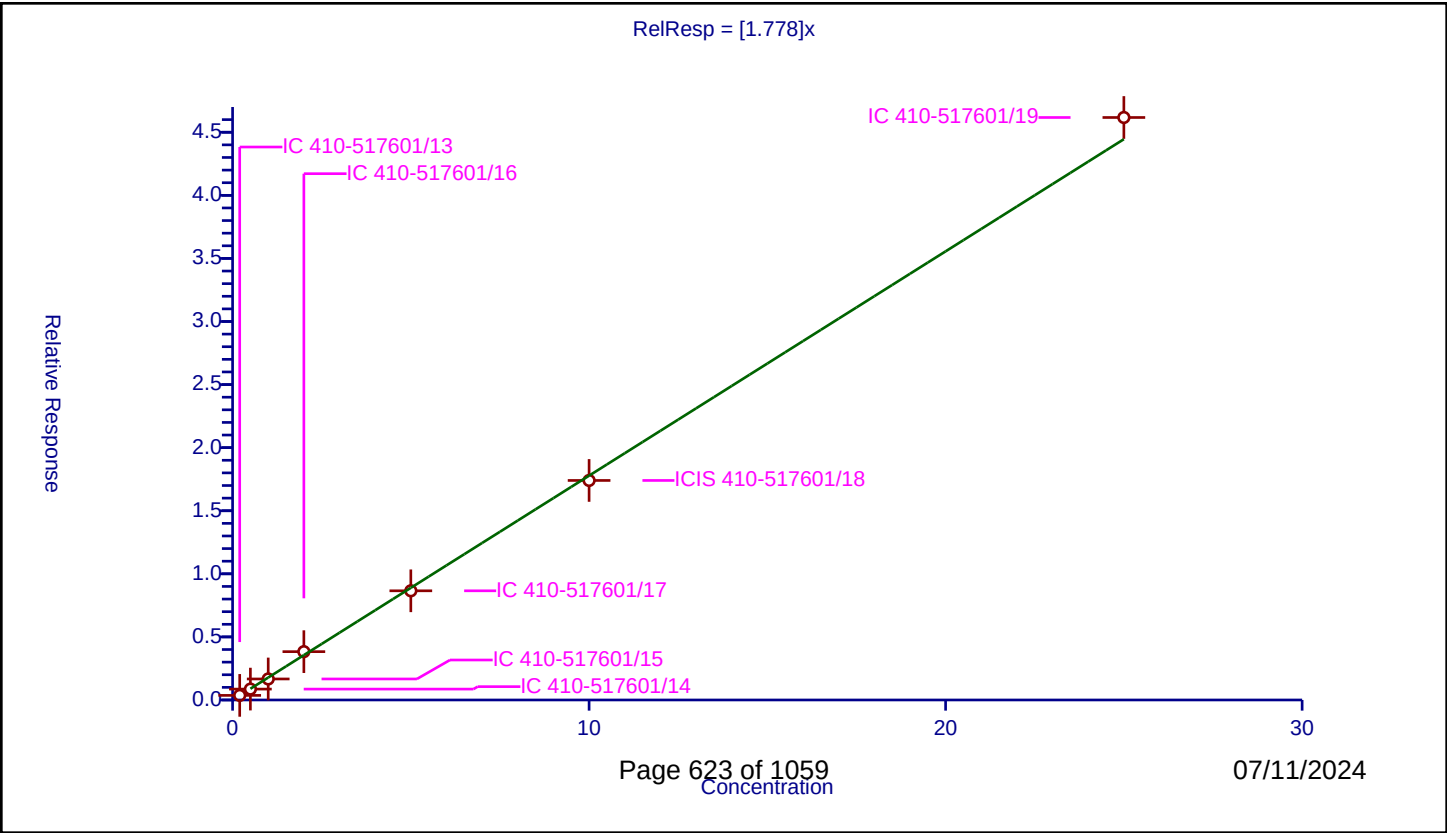
/ 1,4-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.778
Error Coefficients	

Relative Standard Deviation: 4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.364105	10.0	1015421.0	1.820526	Y
2	IC 410-517601/14	0.5	0.862652	10.0	1026393.0	1.725304	Y
3	IC 410-517601/15	1.0	1.66691	10.0	1014032.0	1.66691	Y
4	IC 410-517601/16	2.0	3.830965	10.0	1002844.0	1.915482	Y
5	IC 410-517601/17	5.0	8.653422	10.0	1046571.0	1.730684	Y
6	ICIS 410-517601/18	10.0	17.400264	10.0	1059823.0	1.740026	Y
7	IC 410-517601/19	25.0	46.169941	10.0	1044446.0	1.846798	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

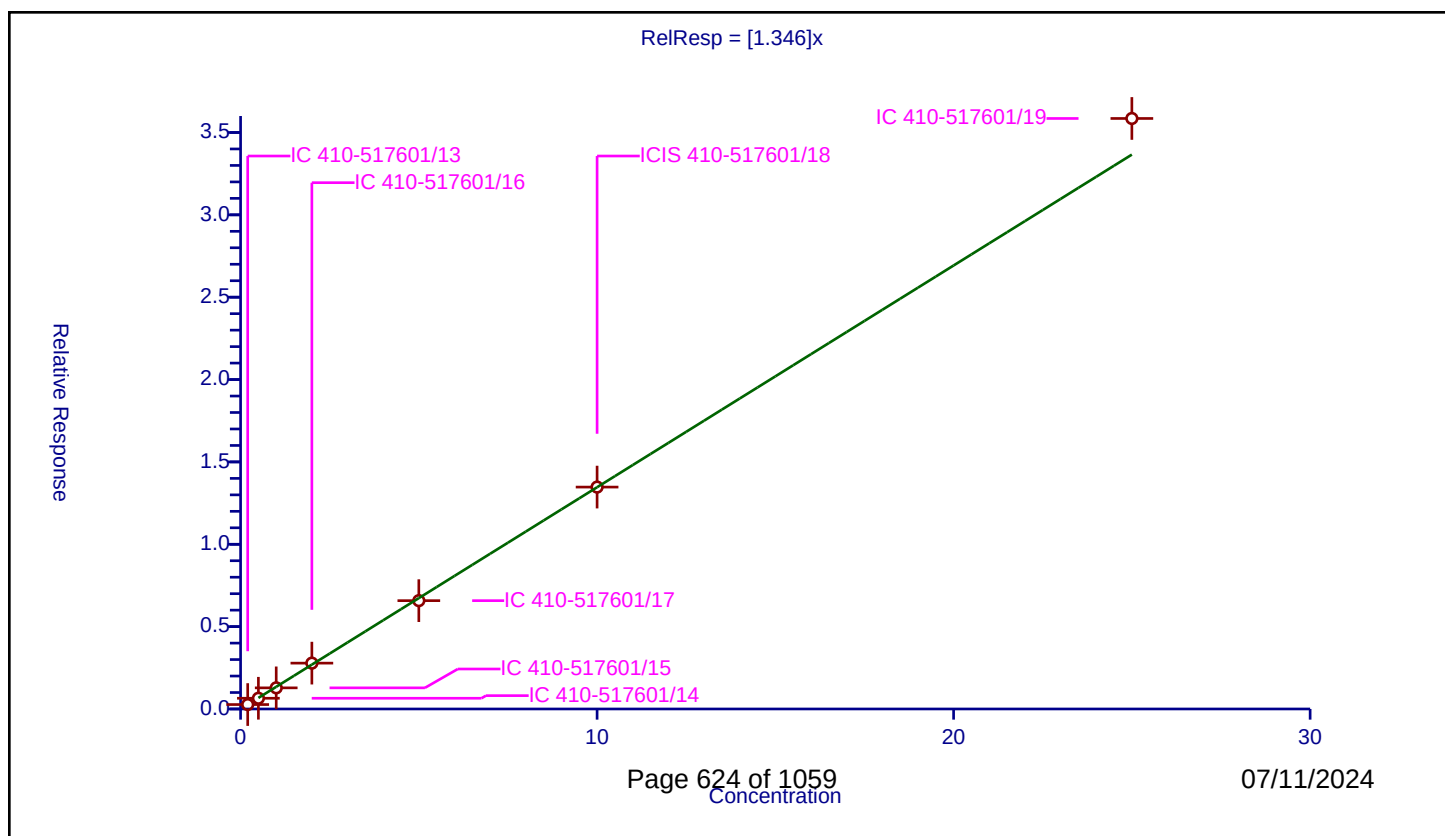
Curve Coefficients

Intercept: 0
Slope: 1.346

Error Coefficients

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.269671	10.0	1015421.0	1.348357	Y
2	IC 410-517601/14	0.5	0.652109	10.0	1026393.0	1.304218	Y
3	IC 410-517601/15	1.0	1.283322	10.0	1014032.0	1.283322	Y
4	IC 410-517601/16	2.0	2.783035	10.0	1002844.0	1.391518	Y
5	IC 410-517601/17	5.0	6.576697	10.0	1046571.0	1.315339	Y
6	ICIS 410-517601/18	10.0	13.47258	10.0	1059823.0	1.347258	Y
7	IC 410-517601/19	25.0	35.850604	10.0	1044446.0	1.434024	Y



Calibration

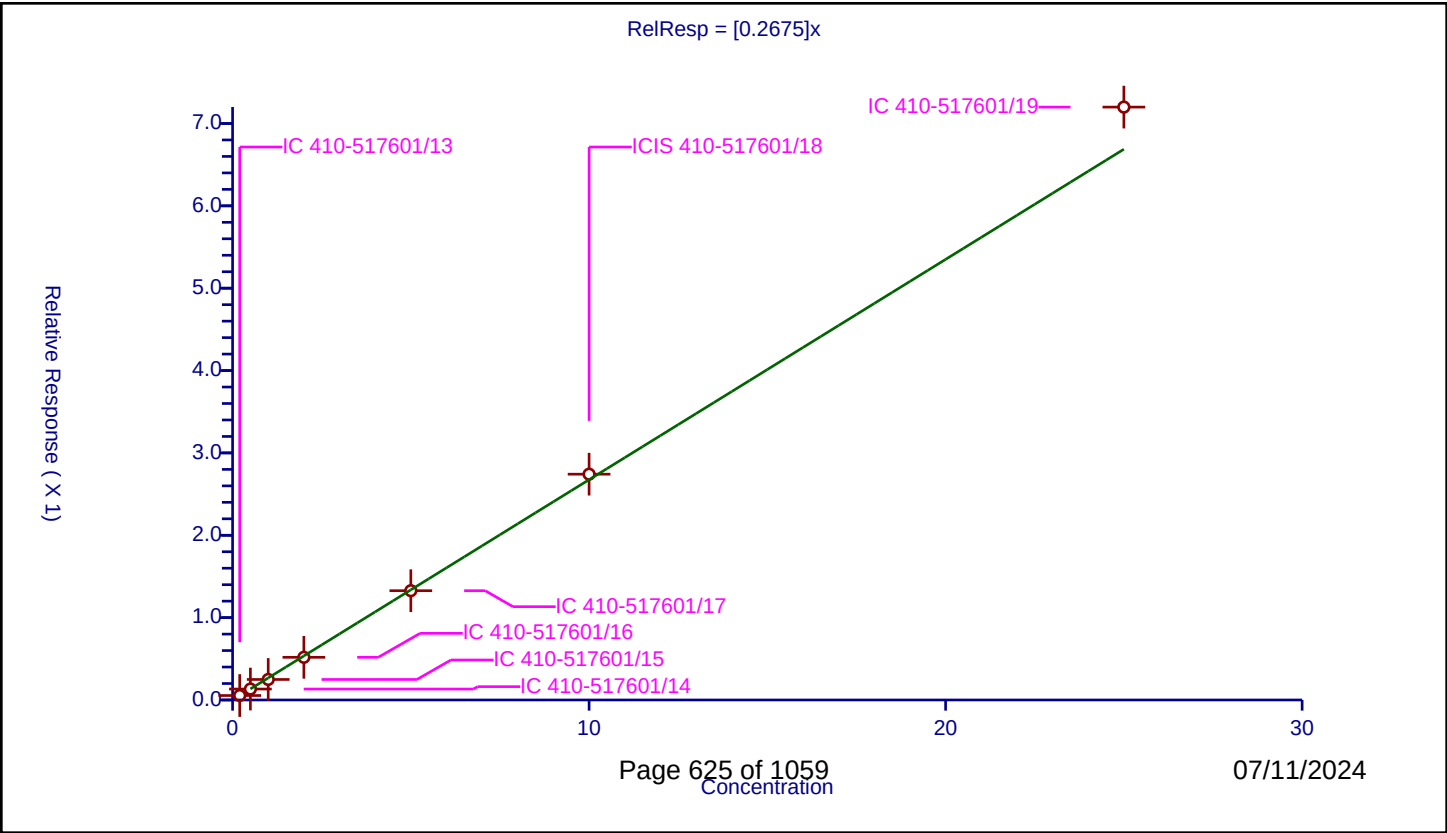
/ Benzyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2675
Error Coefficients	

Relative Standard Deviation: 4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.054224	10.0	1015421.0	0.271119	Y
2	IC 410-517601/14	0.5	0.132873	10.0	1026393.0	0.265746	Y
3	IC 410-517601/15	1.0	0.249026	10.0	1014032.0	0.249026	Y
4	IC 410-517601/16	2.0	0.518136	10.0	1002844.0	0.259068	Y
5	IC 410-517601/17	5.0	1.326933	10.0	1046571.0	0.265387	Y
6	ICIS 410-517601/18	10.0	2.741713	10.0	1059823.0	0.274171	Y
7	IC 410-517601/19	25.0	7.198965	10.0	1044446.0	0.287959	Y



Calibration

/ n-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

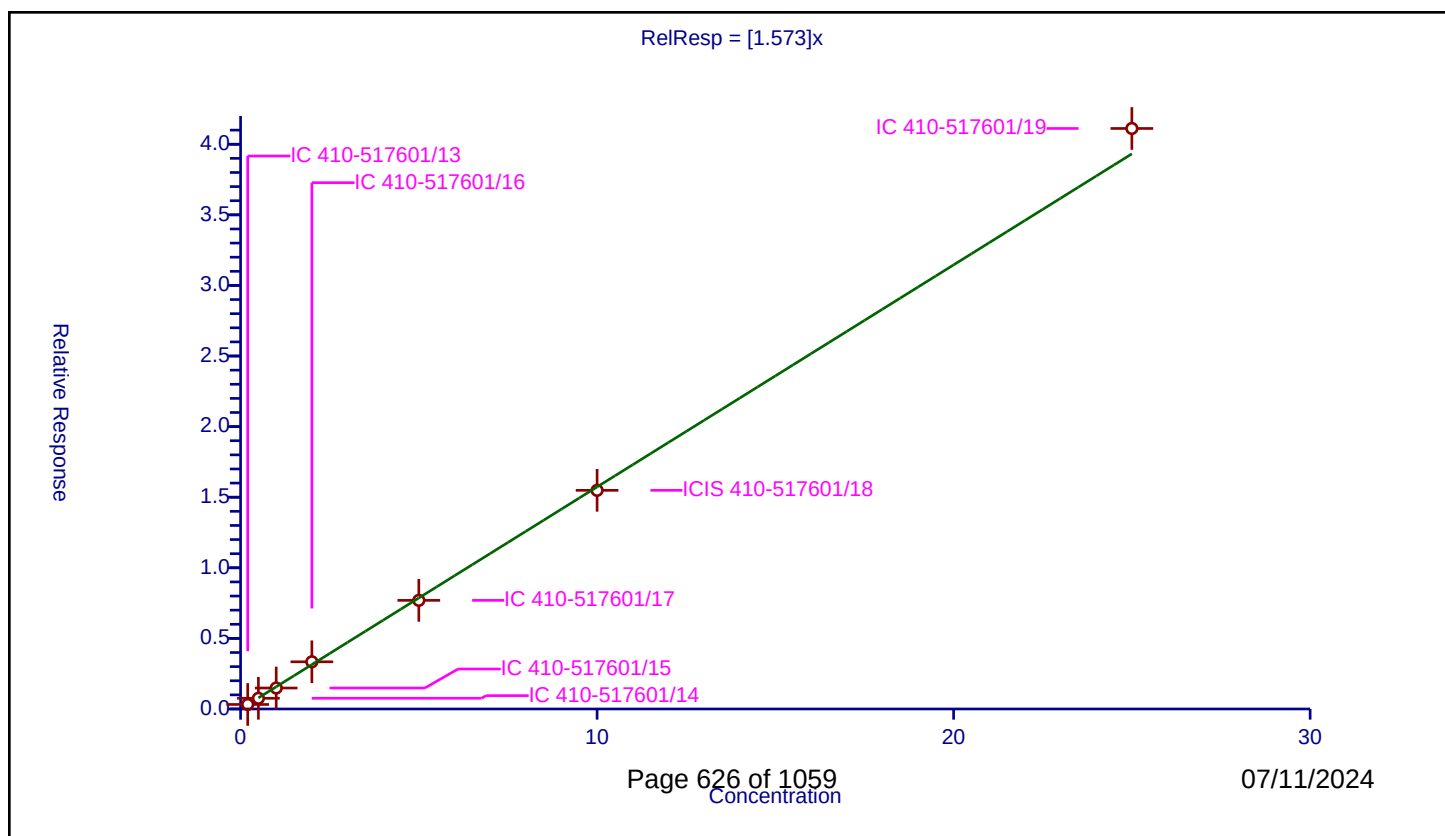
Curve Coefficients

Intercept: 0
Slope: 1.573

Error Coefficients

Relative Standard Deviation: 4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.320626	10.0	1015421.0	1.603128	Y
2	IC 410-517601/14	0.5	0.758569	10.0	1026393.0	1.517138	Y
3	IC 410-517601/15	1.0	1.486344	10.0	1014032.0	1.486344	Y
4	IC 410-517601/16	2.0	3.341946	10.0	1002844.0	1.670973	Y
5	IC 410-517601/17	5.0	7.693143	10.0	1046571.0	1.538629	Y
6	ICIS 410-517601/18	10.0	15.486643	10.0	1059823.0	1.548664	Y
7	IC 410-517601/19	25.0	41.117789	10.0	1044446.0	1.644712	Y



Calibration

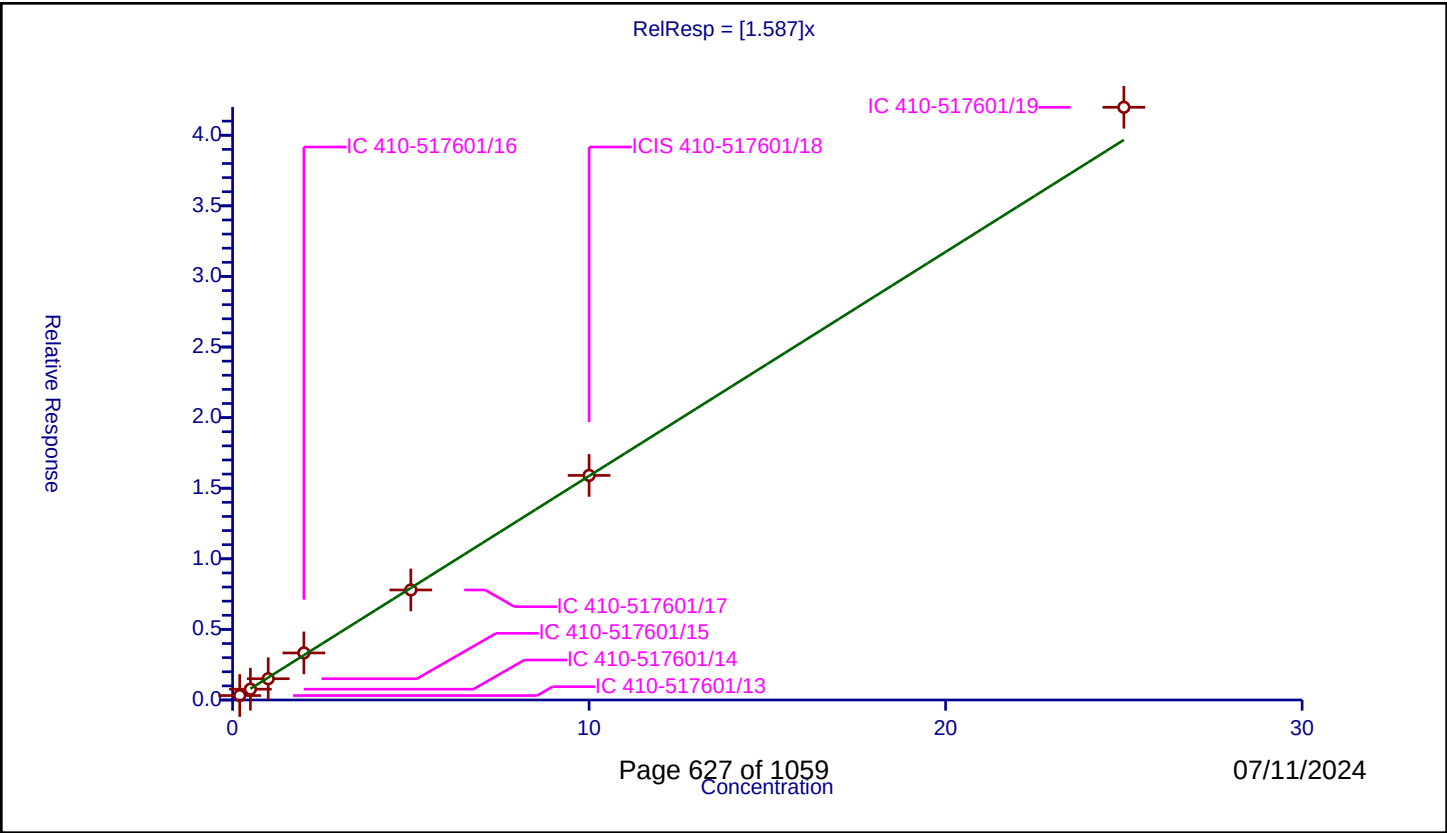
/ 1,2-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.587
Error Coefficients	

Relative Standard Deviation: 4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.314904	10.0	1015421.0	1.574519	Y
2	IC 410-517601/14	0.5	0.765886	10.0	1026393.0	1.531772	Y
3	IC 410-517601/15	1.0	1.506728	10.0	1014032.0	1.506728	Y
4	IC 410-517601/16	2.0	3.332054	10.0	1002844.0	1.666027	Y
5	IC 410-517601/17	5.0	7.793537	10.0	1046571.0	1.558707	Y
6	ICIS 410-517601/18	10.0	15.906298	10.0	1059823.0	1.59063	Y
7	IC 410-517601/19	25.0	41.980294	10.0	1044446.0	1.679212	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

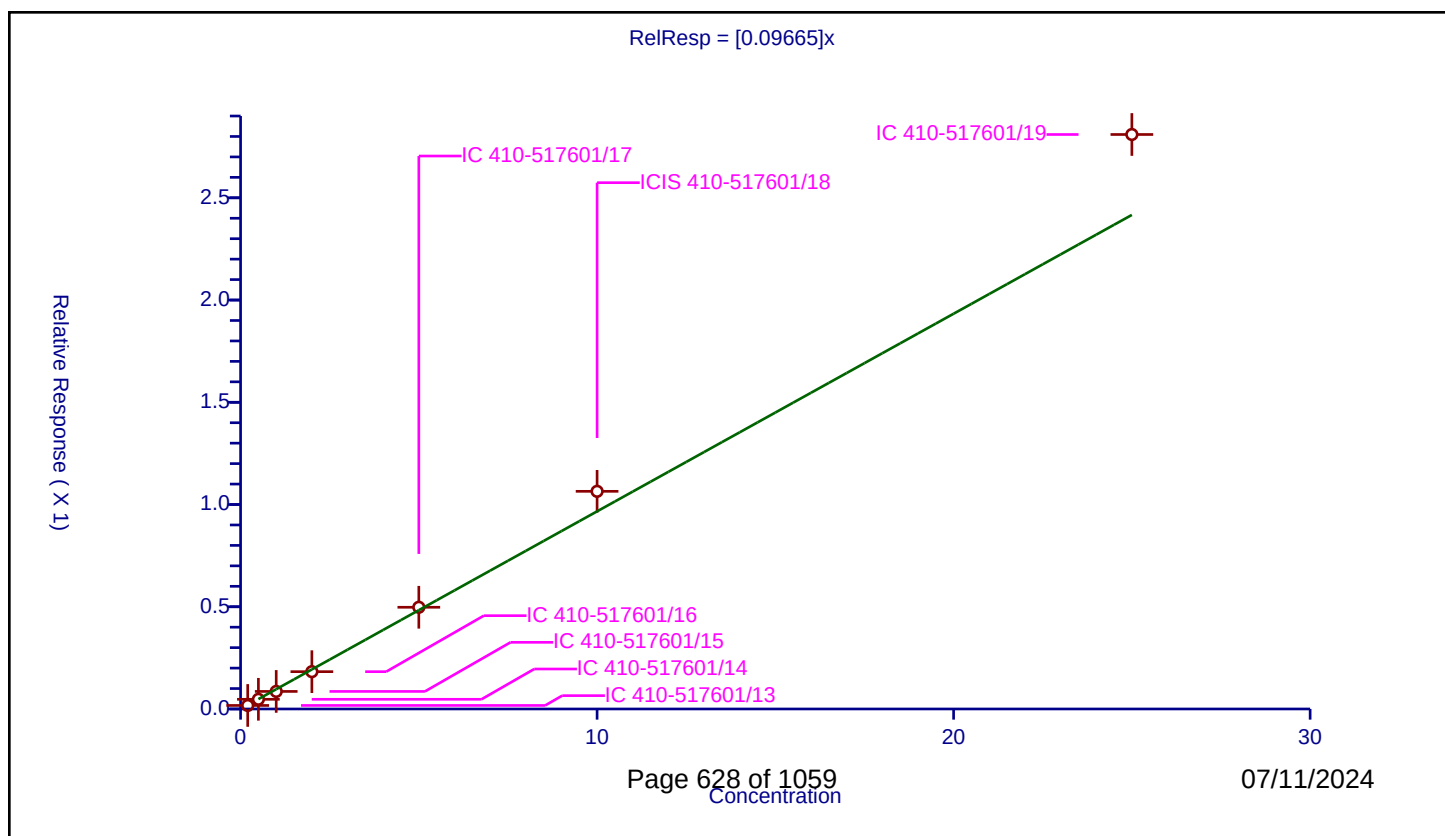
Curve Coefficients

Intercept: 0
Slope: 0.09665

Error Coefficients

Relative Standard Deviation: 10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.017224	10.0	1015421.0	0.086122	Y
2	IC 410-517601/14	0.5	0.047467	10.0	1026393.0	0.094934	Y
3	IC 410-517601/15	1.0	0.085914	10.0	1014032.0	0.085914	Y
4	IC 410-517601/16	2.0	0.182541	10.0	1002844.0	0.09127	Y
5	IC 410-517601/17	5.0	0.497501	10.0	1046571.0	0.0995	Y
6	ICIS 410-517601/18	10.0	1.06448	10.0	1059823.0	0.106448	Y
7	IC 410-517601/19	25.0	2.809614	10.0	1044446.0	0.112385	Y



Calibration

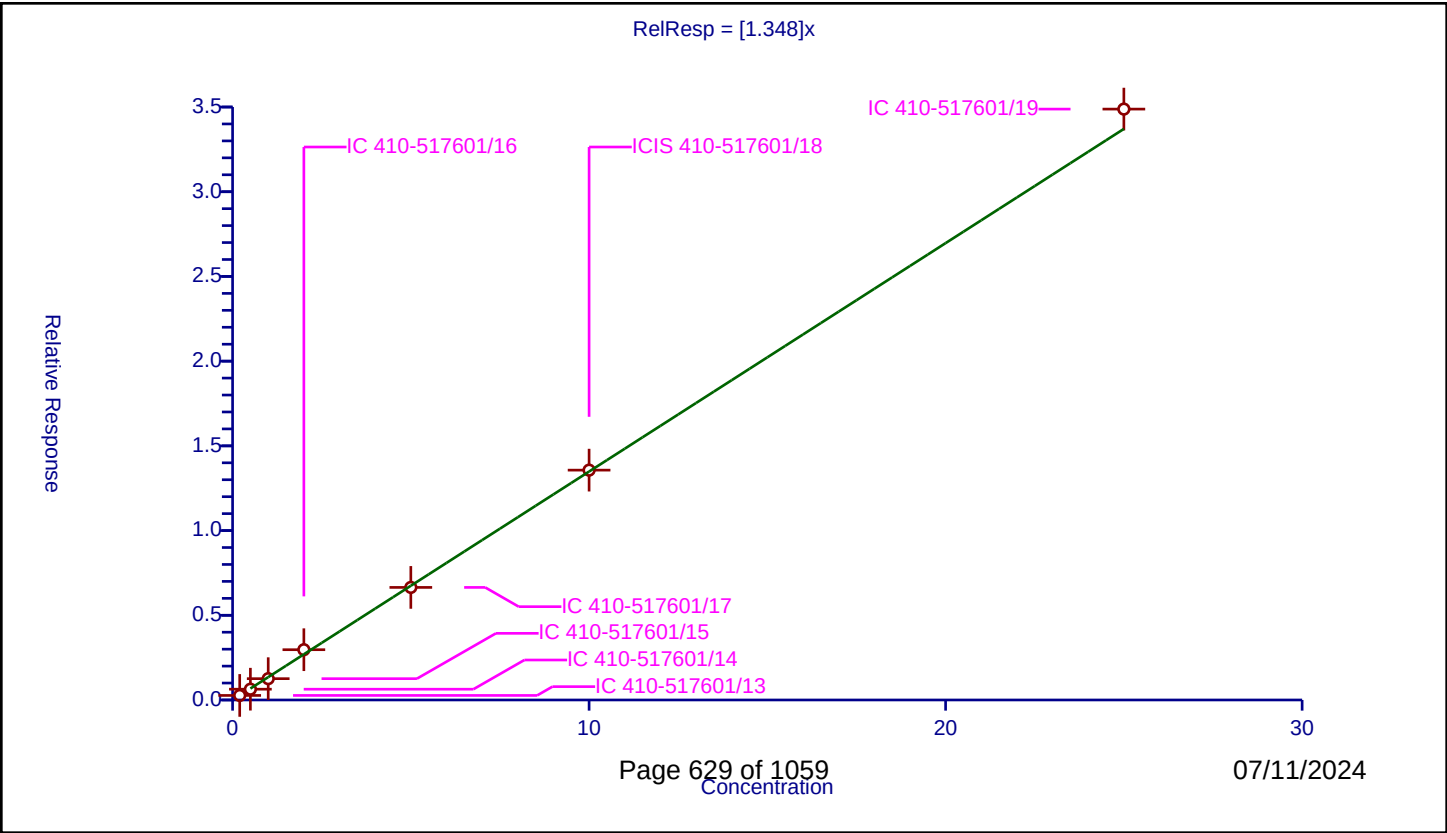
/ 1,3,5-Trichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.348
Error Coefficients	

Relative Standard Deviation: 5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.268362	10.0	1015421.0	1.341808	Y
2	IC 410-517601/14	0.5	0.636394	10.0	1026393.0	1.272787	Y
3	IC 410-517601/15	1.0	1.258875	10.0	1014032.0	1.258875	Y
4	IC 410-517601/16	2.0	2.96773	10.0	1002844.0	1.483865	Y
5	IC 410-517601/17	5.0	6.644633	10.0	1046571.0	1.328927	Y
6	ICIS 410-517601/18	10.0	13.567445	10.0	1059823.0	1.356744	Y
7	IC 410-517601/19	25.0	34.87783	10.0	1044446.0	1.395113	Y



Calibration

/ 1,2,4-Trichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

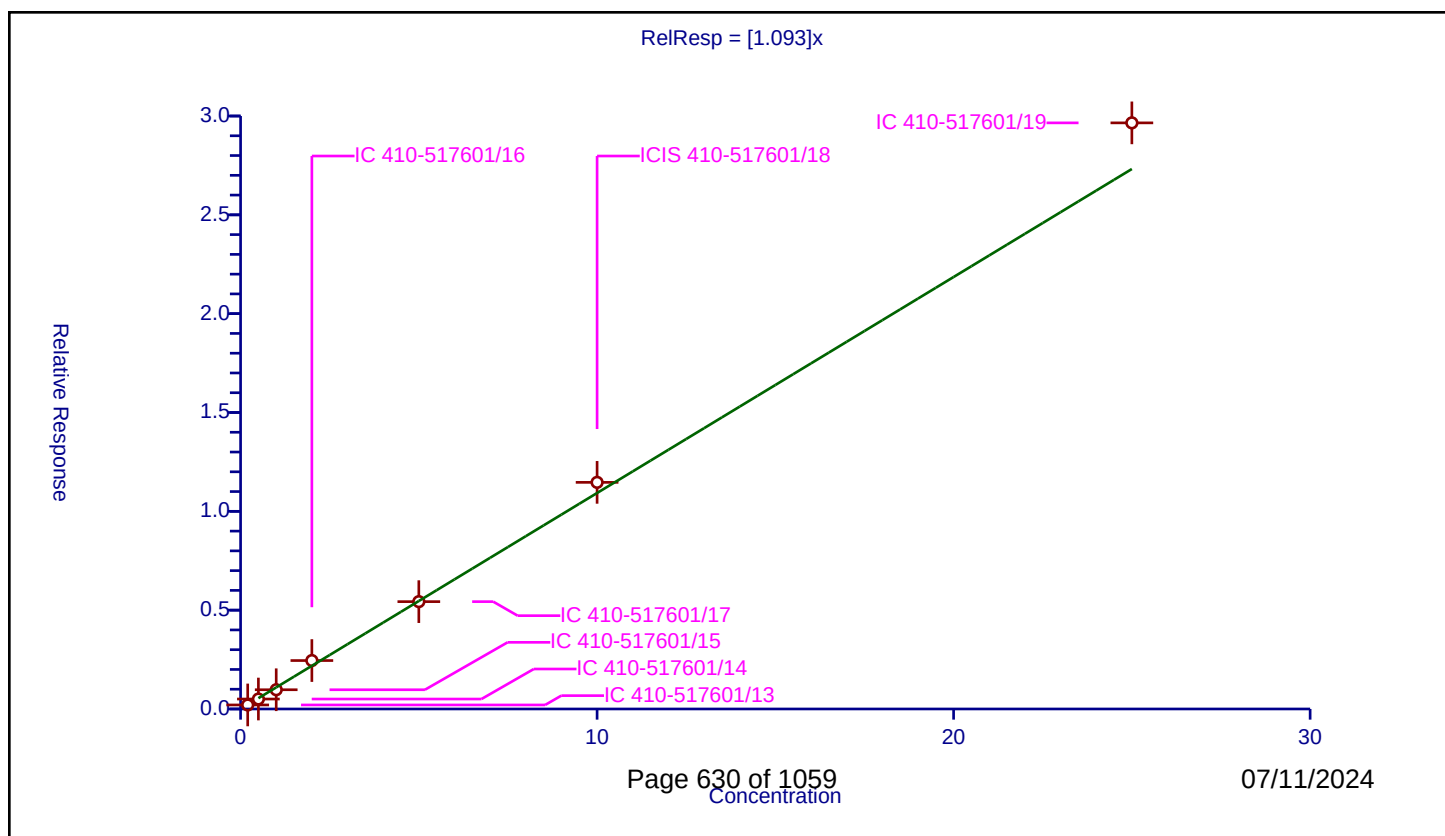
Curve Coefficients

Intercept: 0
Slope: 1.093

Error Coefficients

Relative Standard Deviation: 8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.204684	10.0	1015421.0	1.023418	Y
2	IC 410-517601/14	0.5	0.50393	10.0	1026393.0	1.00786	Y
3	IC 410-517601/15	1.0	0.973549	10.0	1014032.0	0.973549	Y
4	IC 410-517601/16	2.0	2.451129	10.0	1002844.0	1.225564	Y
5	IC 410-517601/17	5.0	5.43127	10.0	1046571.0	1.086254	Y
6	ICIS 410-517601/18	10.0	11.465348	10.0	1059823.0	1.146535	Y
7	IC 410-517601/19	25.0	29.653568	10.0	1044446.0	1.186143	Y



Calibration

/ Hexachlorobutadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

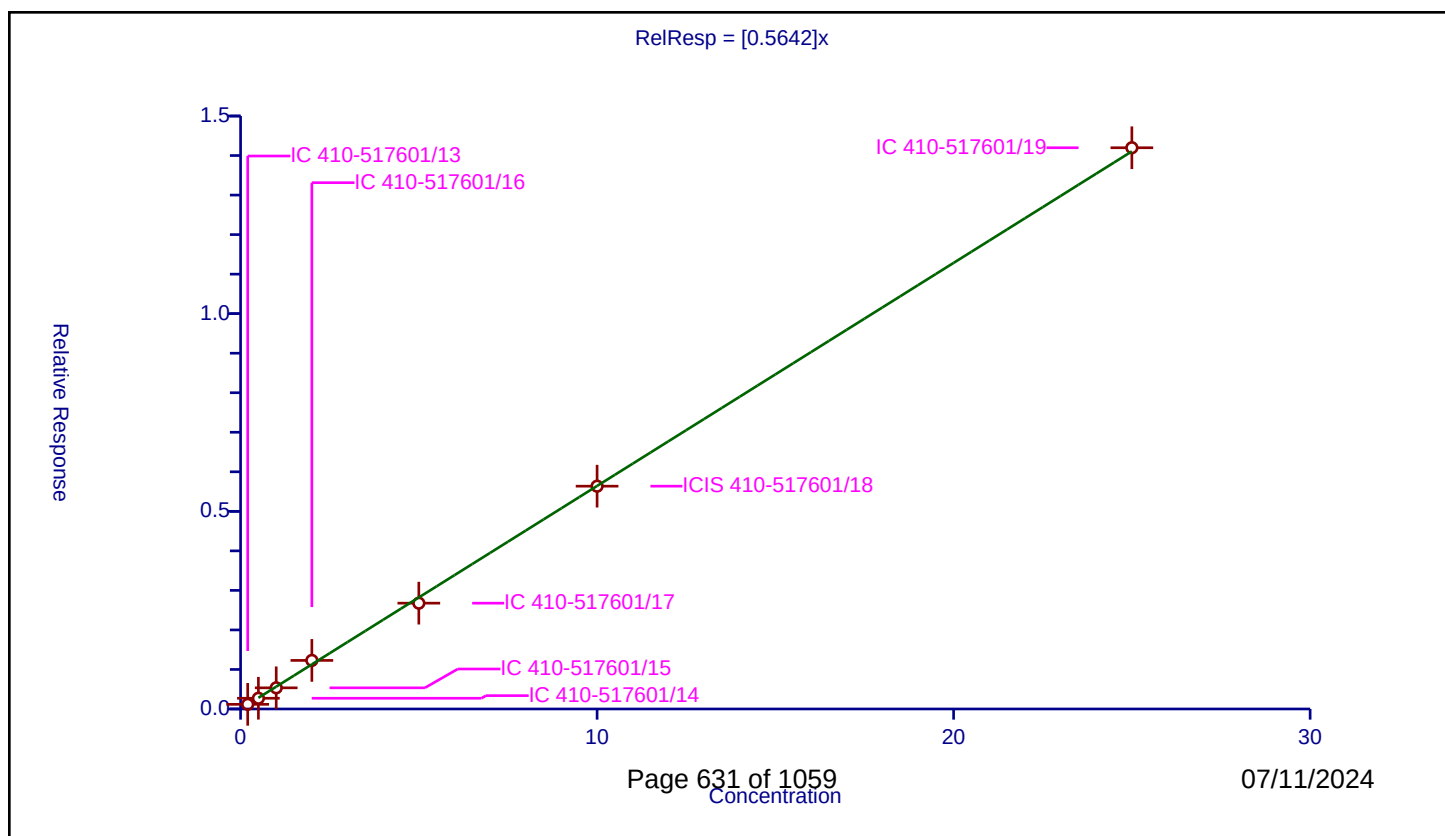
Curve Coefficients

Intercept: 0
Slope: 0.5642

Error Coefficients

Relative Standard Deviation: 5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.117981	10.0	1015421.0	0.589903	Y
2	IC 410-517601/14	0.5	0.271582	10.0	1026393.0	0.543164	Y
3	IC 410-517601/15	1.0	0.535151	10.0	1014032.0	0.535151	Y
4	IC 410-517601/16	2.0	1.228805	10.0	1002844.0	0.614403	Y
5	IC 410-517601/17	5.0	2.677238	10.0	1046571.0	0.535448	Y
6	ICIS 410-517601/18	10.0	5.636054	10.0	1059823.0	0.563605	Y
7	IC 410-517601/19	25.0	14.197575	10.0	1044446.0	0.567903	Y



Calibration

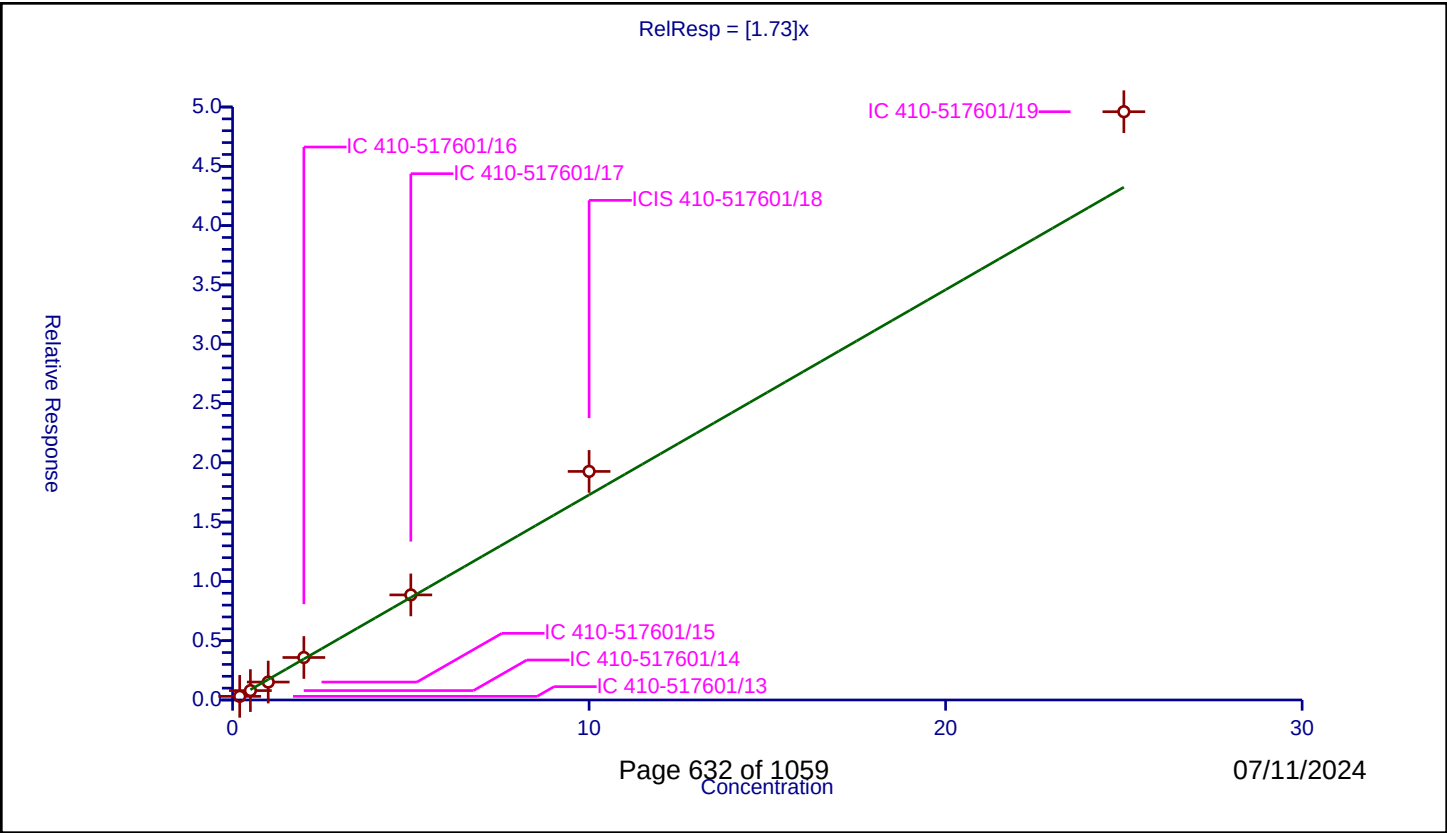
/ Naphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.73
Error Coefficients	

Relative Standard Deviation: 11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.307153	10.0	1015421.0	1.535767	Y
2	IC 410-517601/14	0.5	0.792192	10.0	1026393.0	1.584383	Y
3	IC 410-517601/15	1.0	1.511964	10.0	1014032.0	1.511964	Y
4	IC 410-517601/16	2.0	3.582461	10.0	1002844.0	1.791231	Y
5	IC 410-517601/17	5.0	8.861272	10.0	1046571.0	1.772254	Y
6	ICIS 410-517601/18	10.0	19.272416	10.0	1059823.0	1.927242	Y
7	IC 410-517601/19	25.0	49.60334	10.0	1044446.0	1.984134	Y



Calibration

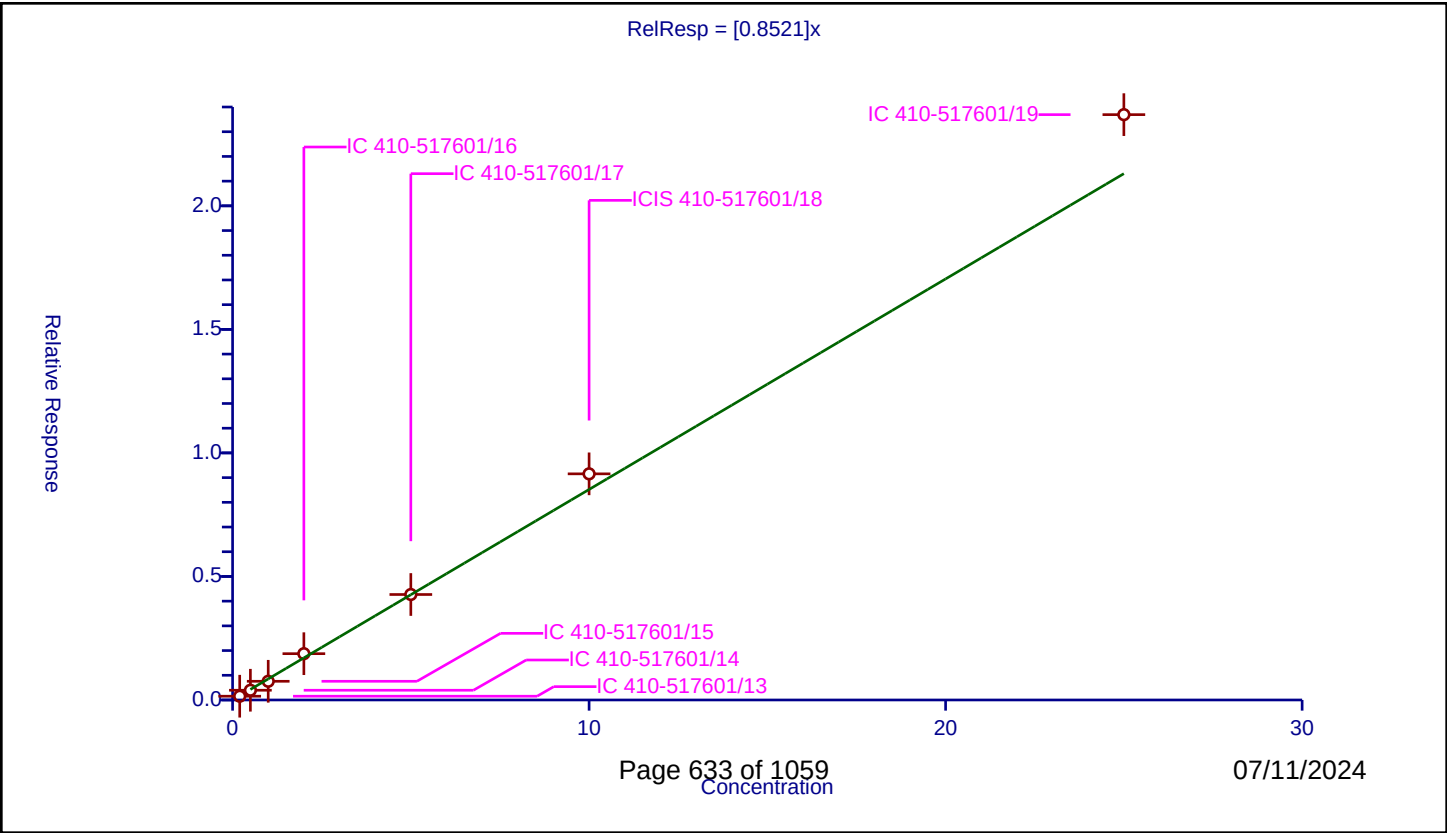
/ 1,2,3-Trichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8521
Error Coefficients	

Relative Standard Deviation: 9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.152813	10.0	1015421.0	0.764067	Y
2	IC 410-517601/14	0.5	0.394975	10.0	1026393.0	0.789951	Y
3	IC 410-517601/15	1.0	0.756613	10.0	1014032.0	0.756613	Y
4	IC 410-517601/16	2.0	1.874648	10.0	1002844.0	0.937324	Y
5	IC 410-517601/17	5.0	4.26918	10.0	1046571.0	0.853836	Y
6	ICIS 410-517601/18	10.0	9.152981	10.0	1059823.0	0.915298	Y
7	IC 410-517601/19	25.0	23.691268	10.0	1044446.0	0.947651	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 18:40 Calibration End Date: 06/14/2024 20:55 Calibration ID: 62915

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-518132/3	GU14X02.D
Level 2	IC 410-518132/4	GU14X03.D
Level 3	IC 410-518132/5	GU14X04.D
Level 4	IC 410-518132/6	GU14X05.D
Level 5	IC 410-518132/7	GU14X06.D
Level 6	IC 410-518132/8	GU14X07.D
Level 7	IC 410-518132/9	GU14X08.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	0.3839 0.3449	0.4318 0.3264	0.3496	0.3966	0.3262	Ave		0.365 6				10.9		20.0			
Methoxymethane	0.3636 0.2808	0.2690 0.2828	0.2514	0.2817	0.2525	Ave		0.283 1				13.4		20.0			
Acetonitrile	++++ 1.4271	1.4960 1.3155	1.1597	1.4092	1.4766	Ave		1.380 7				9.1		20.0			
Vinyl acetate	0.3104 0.2626	0.2842 0.2382	0.2156	0.2390	0.2383	Ave		0.255 5				12.7		20.0			
Ethyl acetate	0.1340 0.0988	0.1187 0.0967	0.0962	0.0907	0.0959	Ave		0.104 4				15.1		20.0			
2-Chloroethyl vinyl ether	++++ 0.0698	0.0507 0.0739	0.0508	0.0596	0.0599	Ave		0.060 8				15.7		20.0			
cis-1,4-Dichloro-2-butene	++++ 6.6031	4.5700 6.6878	4.1531	5.7751	5.6125	Ave		5.566 9				18.6		20.0			
Cyclohexanone	++++ 0.4071	0.1678 0.4752	0.1910	0.2935	0.3700	Lin1	-11.1 2	0.459 7							0.9930		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 18:40 Calibration End Date: 06/14/2024 20:55 Calibration ID: 62915

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-518132/3	GU14X02.D
Level 2	IC 410-518132/4	GU14X03.D
Level 3	IC 410-518132/5	GU14X04.D
Level 4	IC 410-518132/6	GU14X05.D
Level 5	IC 410-518132/7	GU14X06.D
Level 6	IC 410-518132/8	GU14X07.D
Level 7	IC 410-518132/9	GU14X08.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	15947 658002	38926 1626676	71698	140614	316984	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methoxymethane	FB	Ave	15107 535756	24253 1409051	51558	99870	245358	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	TBA d1 0	Ave	++++ 110569	5968 283759	11033	21442	61511	++++ 50.0	2.50 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	12894 500908	25626 1187147	44214	84743	231606	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	5567 188491	10704 481997	19737	32170	93204	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloroethyl vinyl ether	FB	Ave	++++ 133204	4575 368439	10410	21130	58223	++++ 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,4-Dichloro-2-butene	TBA d1 0	Ave	++++ 204708	7295 577245	15810	35160	93551	++++ 20.0	1.00 50.0	2.00	4.00	10.0
Cyclohexanone	TBA d1 0	Lin1	++++ 315408	6695 1025105	18166	44648	154138	++++ 500	25.0 1250	50.0	100.0	250

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 18:40 Calibration End Date: 06/14/2024 20:55 Calibration ID: 62915

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-518132/3	GU14X02.D
Level 2	IC 410-518132/4	GU14X03.D
Level 3	IC 410-518132/5	GU14X04.D
Level 4	IC 410-518132/6	GU14X05.D
Level 5	IC 410-518132/7	GU14X06.D
Level 6	IC 410-518132/8	GU14X07.D
Level 7	IC 410-518132/9	GU14X08.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	5.0 -10.7	18.1	-4.4	8.5	-10.8	-5.7	50 30	30	30	30	30	30
Methoxymethane	28.4 -0.1	-5.0	-11.2	-0.5	-10.8	-0.8	50 30	30	30	30	30	30
Acetonitrile	++++ -4.7	8.4	-16.0	2.1	6.9	3.4	30	50	30	30	30	30
Vinyl acetate	21.5 -6.7	11.3	-15.6	-6.4	-6.7	2.8	50 30	30	30	30	30	30
Ethyl acetate	28.3 -7.4	13.7	-7.9	-13.1	-8.2	-5.4	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	++++ 21.6	-16.5	-16.5	-2.0	-1.5	14.9	30	50	30	30	30	30
cis-1,4-Dichloro-2-butene	++++ 20.1	-17.9	-25.4	3.7	0.8	18.6	30	50	30	30	30	30
Cyclohexanone	++++ 5.3	33.2	-10.1	-12.0	-9.8	-6.6	30	50	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X02.D
 Lims ID: IC std1sm
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 14-Jun-2024 18:40:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116727-003
 Misc. Info.: IC STD0.2 SM
 Operator ID: mec29284 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub40
 Method: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 14:17:20 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: UCB5

Date: 16-Jun-2024 09:13:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.819	1.818	0.000	41	4597	0.2000	0.1761	
3 Chlorodifluoromethane	51	1.867	1.867	0.000	97	15947	0.2000	0.2100	
4 Dimethyl ether	45	1.916	1.922	-0.006	96	15107	0.2000	0.2569	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.221	2.215	0.006	38	11787	0.2000	0.1932	
26 Acetonitrile	41	3.775	3.720	0.055	24	1298	1.00	0.5283	
* 30 t-Butyl alcohol-d10 (IS)	65	3.977	3.964	0.013	64	88975	50.0	50.0	
36 Vinyl acetate	43	5.043	4.995	0.048	92	12894	0.2000	0.2430	
44 Ethyl acetate	43	5.940	5.891	0.049	1	5567	0.2000	0.2566	M
62 Isopropyl acetate	43	7.135	7.134	0.001	96	11907	0.2000	0.2361	M
* 64 Fluorobenzene (IS)	96	7.433	7.433	0.000	99	2077207	10.0	10.0	
75 n-Propyl acetate	61	8.451	8.439	0.012	97	1364	0.2000	0.1654	M
78 2-Chloroethyl vinyl ether	63	8.988	8.969	0.019	57	1435	0.2000	0.1136	M
111 n-Butyl acetate	43	10.427	10.390	0.037	94	4537	0.2000	0.1285	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	87	1506460	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.878	11.877	0.001	93	2786	0.4001	0.2812	
126 Cyclohexanone	55	11.914	11.908	0.006	1	704	10.0	25.0	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	751080	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_CYC_00008	Amount Added: 1.60	Units: uL
MSV_DME_00055	Amount Added: 0.20	Units: uL
MSV_V_SMRV4_00071	Amount Added: 1.00	Units: uL
MSV_CCV_V5ACE_00037	Amount Added: 0.20	Units: uL
MSV_HP25_ISO_00009	Amount Added: 1.00	Units: uL

Report Date: 17-Jun-2024 14:17:21

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X02.D

Injection Date: 14-Jun-2024 18:40:30

Instrument ID: 16334

Operator ID: mec29284

Lims ID: IC std1sm

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

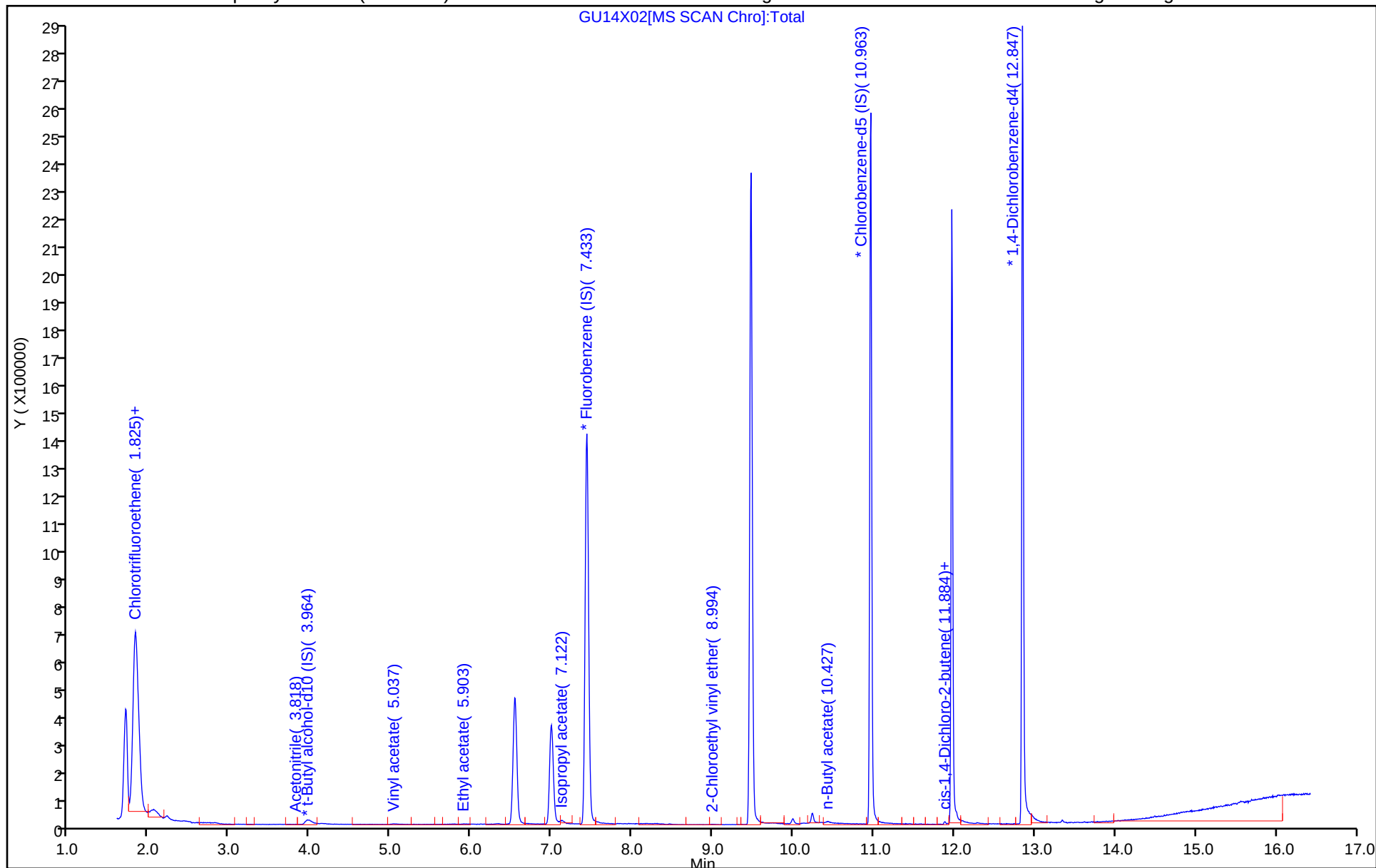
ALS Bottle#: 2

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

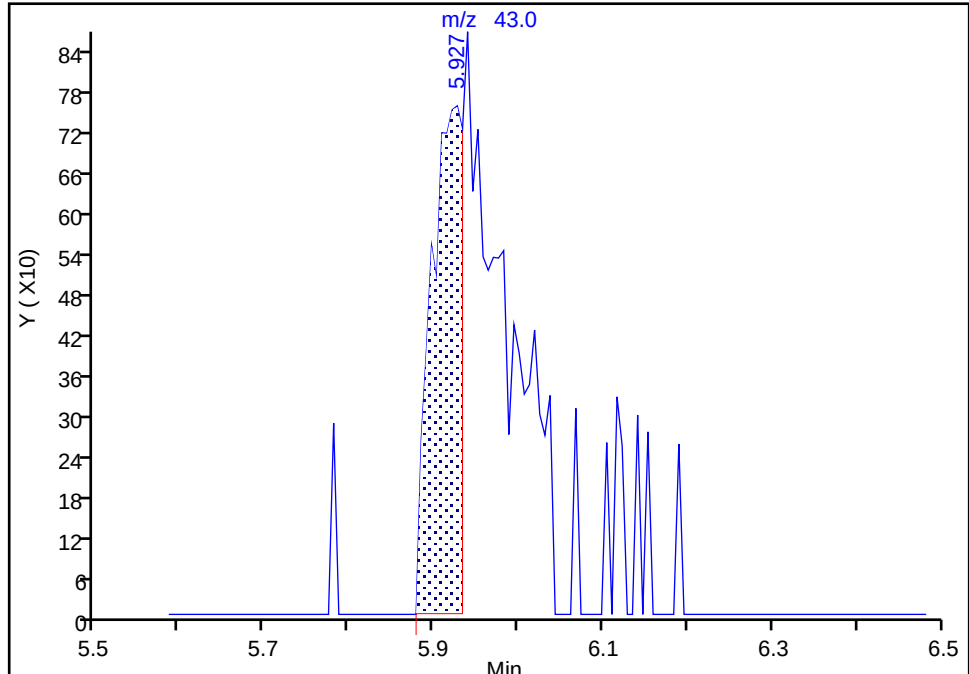
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Injection Date: 14-Jun-2024 18:40:30 Instrument ID: 16334
Lims ID: IC std1sm
Client ID:
Operator ID: mec29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

44 Ethyl acetate, CAS: 141-78-6

Signal: 1

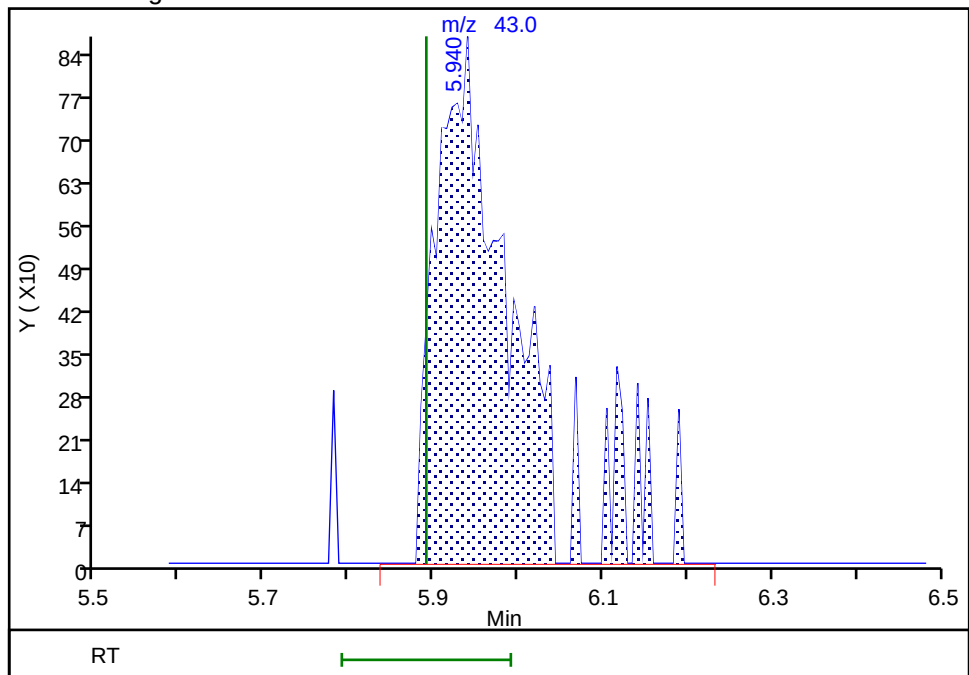
RT: 5.93
Area: 1956
Amount: 0.138803
Amount Units: ug/l

Processing Integration Results



RT: 5.94
Area: 5567
Amount: 0.256594
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:12:25 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

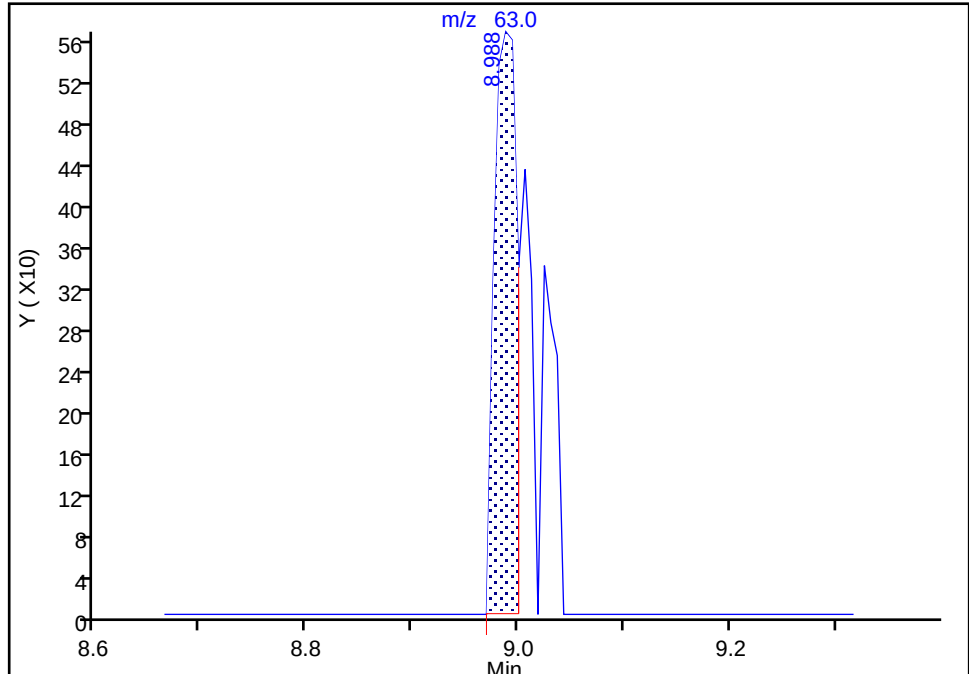
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X02.D
Injection Date: 14-Jun-2024 18:40:30 Instrument ID: 16334
Lims ID: IC std1sm
Client ID:
Operator ID: mec29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

78 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

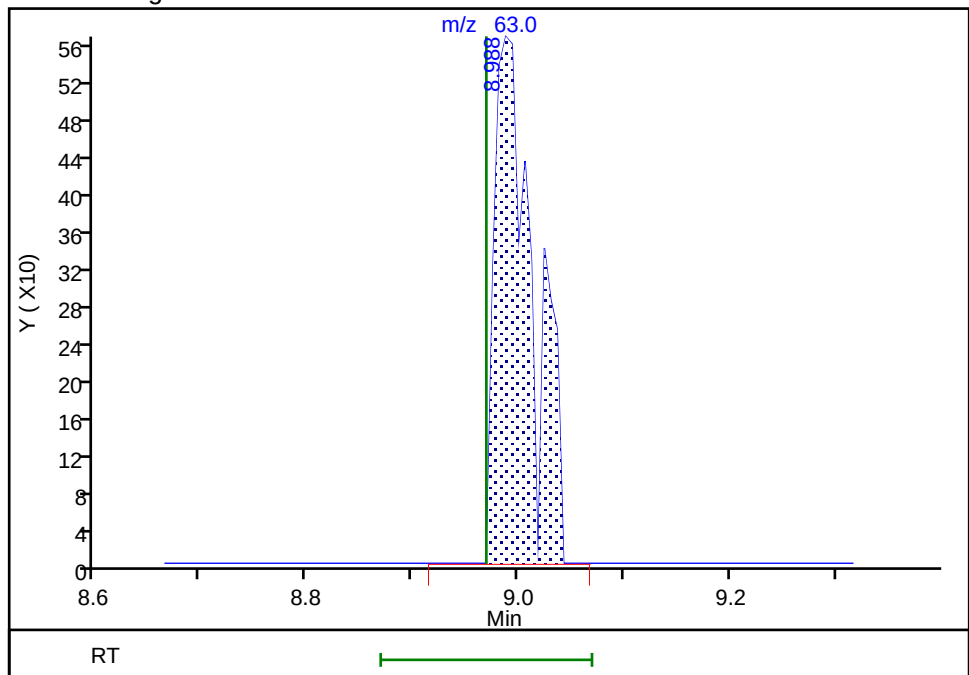
RT: 8.99
Area: 841
Amount: 0.073611
Amount Units: ug/l

Processing Integration Results



RT: 8.99
Area: 1435
Amount: 0.113634
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:12:50 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X03.D
 Lims ID: IC std2sm
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 14-Jun-2024 19:02:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116727-004
 Misc. Info.: IC STD0.5 SM
 Operator ID: mec29284 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub40
 Method: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 14:17:22 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: UCB5

Date: 16-Jun-2024 09:15:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.825	1.818	0.007	40	13347	0.5000	0.5890	
3 Chlorodifluoromethane	51	1.873	1.867	0.006	97	38926	0.5000	0.5904	
4 Dimethyl ether	45	1.934	1.922	0.012	99	24253	0.5000	0.4751	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.221	2.215	0.006	35	29726	0.5000	0.5614	
26 Acetonitrile	41	3.763	3.720	0.043	20	5968	2.50	2.71	M
* 30 t-Butyl alcohol-d10 (IS)	65	3.977	3.964	0.013	24	79786	50.0	50.0	
36 Vinyl acetate	43	5.037	4.995	0.042	98	25626	0.5000	0.5563	
44 Ethyl acetate	43	5.915	5.891	0.024	97	10704	0.5000	0.5684	M
62 Isopropyl acetate	43	7.147	7.134	0.013	99	23249	0.5000	0.5310	
* 64 Fluorobenzene (IS)	96	7.433	7.433	0.000	99	1803159	10.0	10.0	
75 n-Propyl acetate	61	8.470	8.439	0.031	96	3391	0.5000	0.4736	M
78 2-Chloroethyl vinyl ether	63	8.982	8.969	0.013	83	4575	0.5000	0.4173	
111 n-Butyl acetate	43	10.427	10.390	0.037	76	13172	0.5000	0.4319	M
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	1301044	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.884	11.877	0.007	97	7295	1.00	0.8212	
126 Cyclohexanone	55	11.920	11.908	0.012	86	6695	25.0	33.3	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	658111	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_CYC_00008	Amount Added: 4.00	Units: uL
MSV_DME_00055	Amount Added: 0.50	Units: uL
MSV_V_SMRV4_00071	Amount Added: 2.50	Units: uL
MSV_CCV_V5ACE_00037	Amount Added: 0.50	Units: uL
MSV_HP25_ISO_00009	Amount Added: 1.00	Units: uL

Report Date: 17-Jun-2024 14:17:22

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X03.D

Injection Date: 14-Jun-2024 19:02:30

Instrument ID: 16334

Operator ID: mec29284

Lims ID: IC std2sm

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

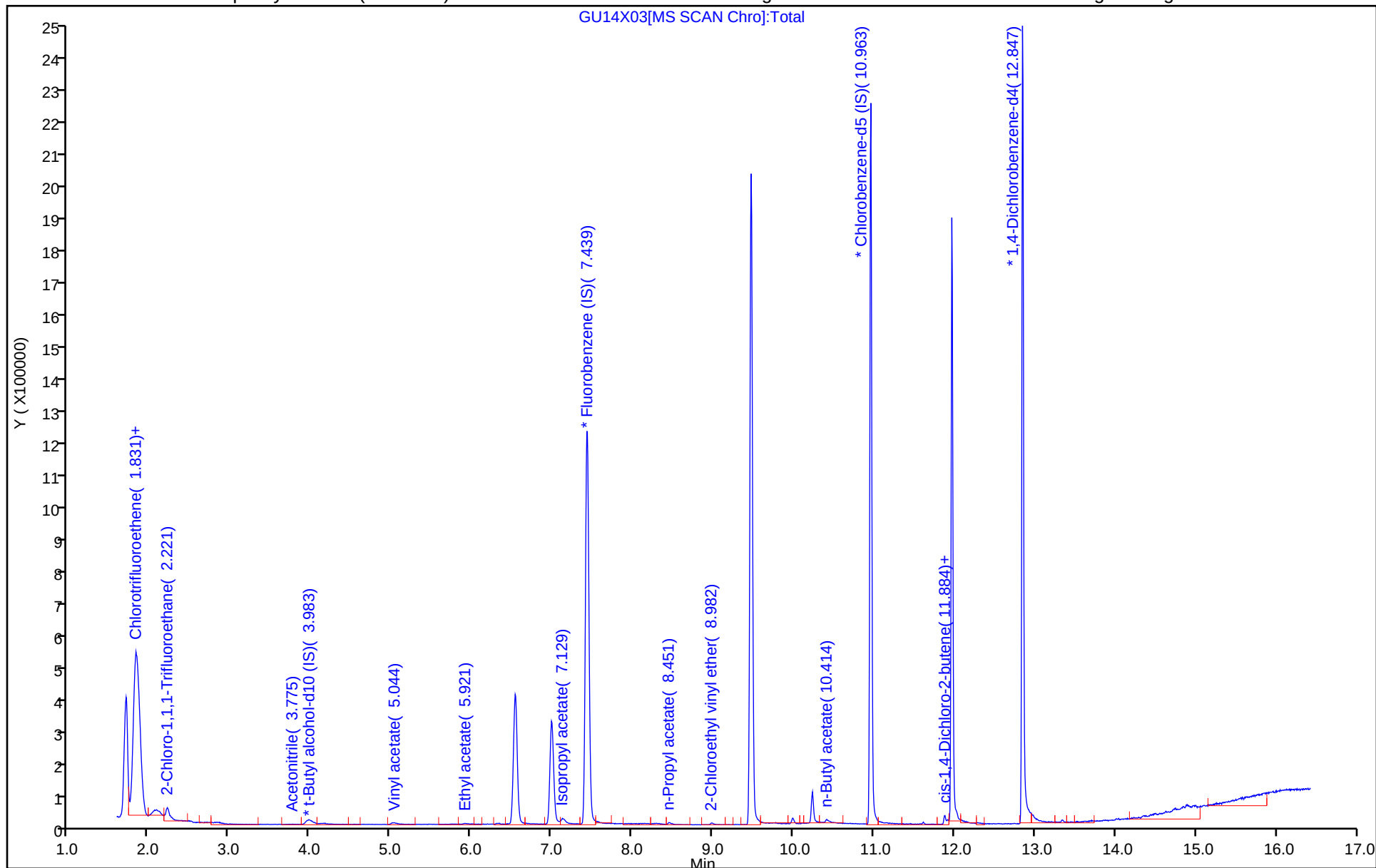
ALS Bottle#: 3

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

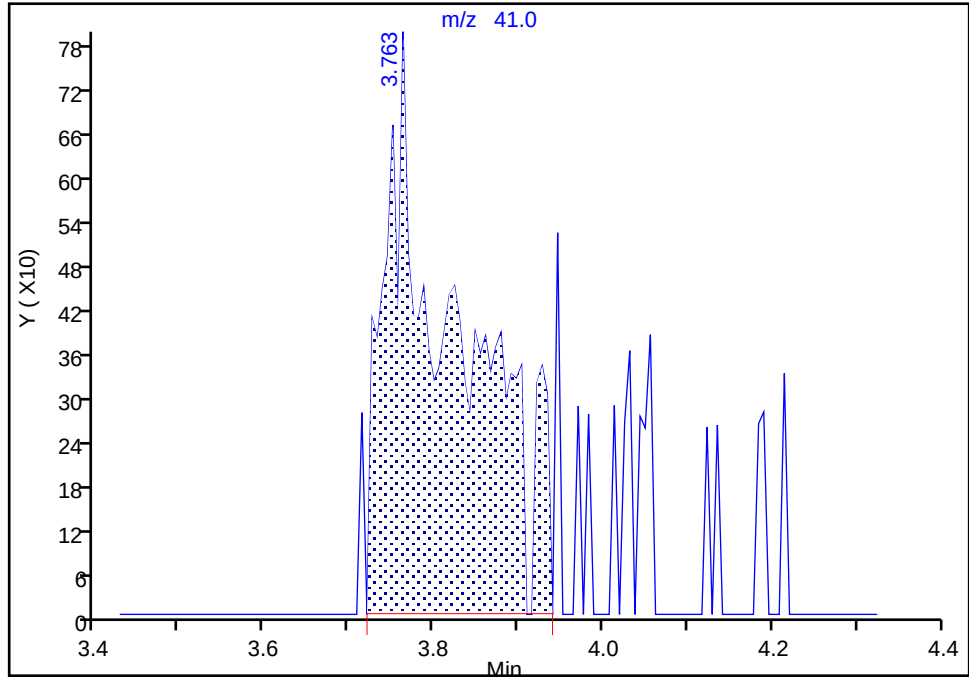
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X03.D
Injection Date: 14-Jun-2024 19:02:30 Instrument ID: 16334
Lims ID: IC std2sm
Client ID:
Operator ID: mec29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

26 Acetonitrile, CAS: 75-05-8

Signal: 1

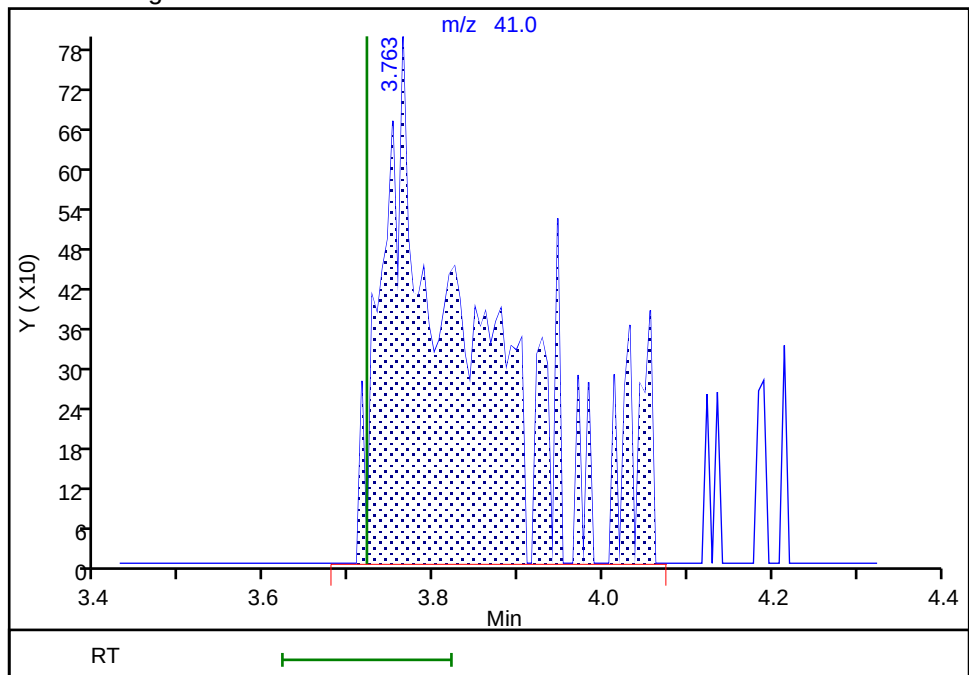
RT: 3.76
Area: 4802
Amount: 2.481069
Amount Units: ug/l

Processing Integration Results



RT: 3.76
Area: 5968
Amount: 2.708783
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:13:41 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

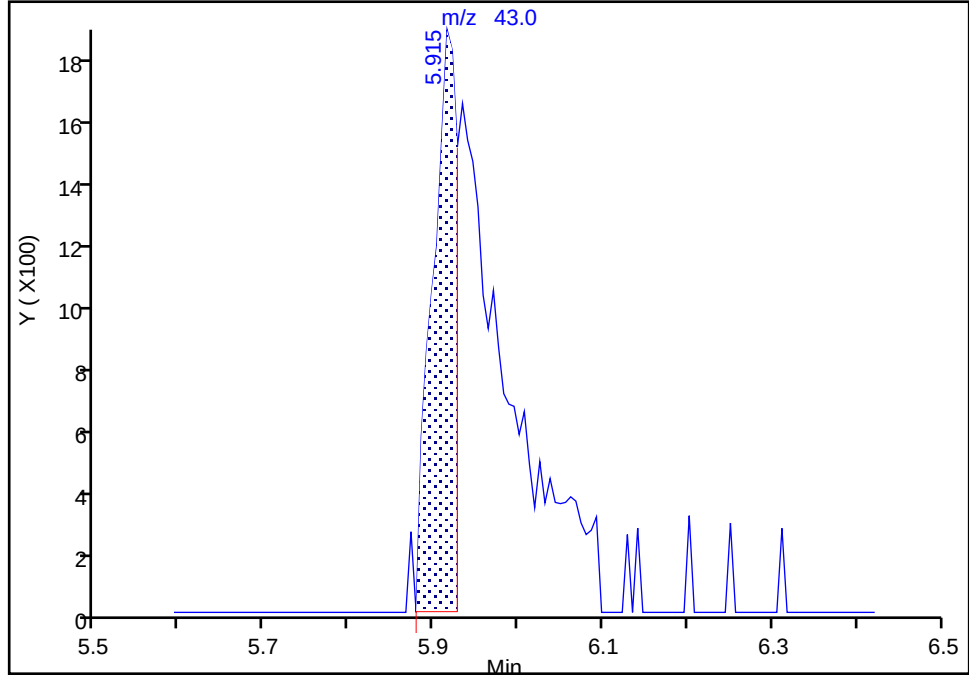
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X03.D
Injection Date: 14-Jun-2024 19:02:30 Instrument ID: 16334
Lims ID: IC std2sm
Client ID:
Operator ID: mec29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

44 Ethyl acetate, CAS: 141-78-6

Signal: 1

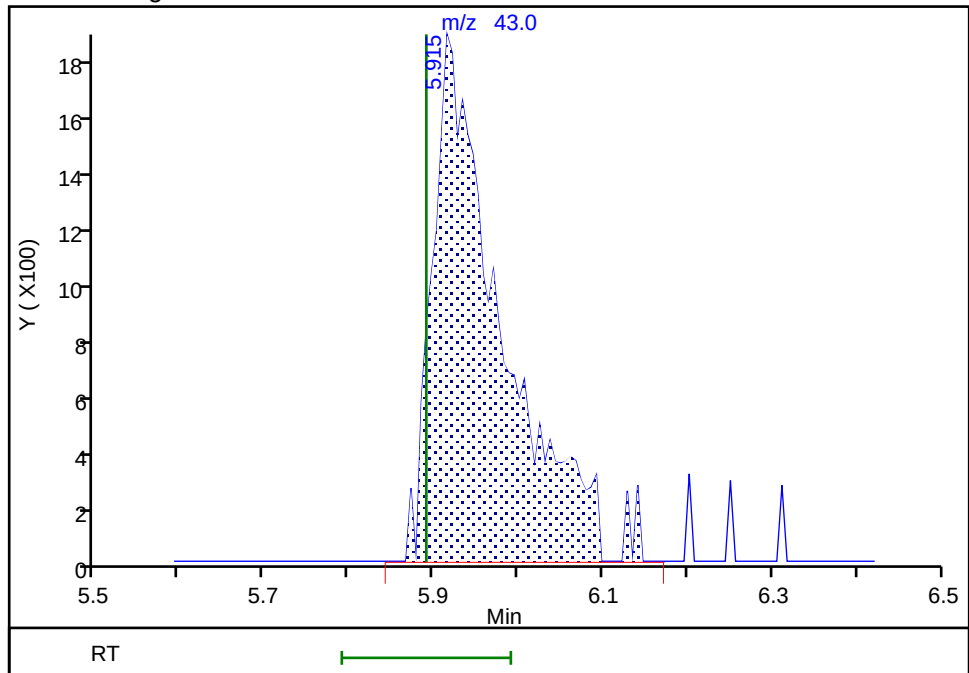
RT: 5.92
Area: 3805
Amount: 0.262926
Amount Units: ug/l

Processing Integration Results



RT: 5.92
Area: 10704
Amount: 0.568352
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:13:52 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X04.D
 Lims ID: IC std3sm
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 14-Jun-2024 19:24:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116727-005
 Misc. Info.: IC STD1 SM
 Operator ID: mec29284 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub40
 Method: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 14:17:24 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: UCB5

Date: 16-Jun-2024 09:17:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.818	1.818	0.000	41	24531	1.00	0.9517	
3 Chlorodifluoromethane	51	1.867	1.867	0.000	97	71698	1.00	0.9561	
4 Dimethyl ether	45	1.922	1.922	0.000	100	51558	1.00	0.8879	M
8 2-Chloro-1,1,1-Trifluoroethane	118	2.209	2.215	-0.006	36	57012	1.00	0.9466	
26 Acetonitrile	41	3.757	3.720	0.037	34	11033	5.00	4.20	
* 30 t-Butyl alcohol-d10 (IS)	65	3.970	3.964	0.006	26	95137	50.0	50.0	M
36 Vinyl acetate	43	5.019	4.995	0.024	98	44214	1.00	0.8438	
44 Ethyl acetate	43	5.915	5.891	0.024	97	19737	1.00	0.9213	M
62 Isopropyl acetate	43	7.135	7.134	0.000	99	43714	1.00	0.8778	
* 64 Fluorobenzene (IS)	96	7.433	7.433	0.000	99	2051040	10.0	10.0	
75 n-Propyl acetate	61	8.451	8.439	0.012	98	6270	1.00	0.7699	
78 2-Chloroethyl vinyl ether	63	8.976	8.969	0.007	93	10410	1.00	0.8349	
111 n-Butyl acetate	43	10.402	10.390	0.012	97	25024	1.00	0.7268	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	87	1468824	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.877	11.877	0.000	98	15810	2.00	1.49	
126 Cyclohexanone	55	11.914	11.908	0.006	90	18166	50.0	44.9	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	749586	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_CYC_00008	Amount Added: 8.00	Units: uL
MSV_DME_00055	Amount Added: 1.00	Units: uL
MSV_V_SMRV4_00071	Amount Added: 5.00	Units: uL
MSV_CCV_V5ACE_00037	Amount Added: 1.00	Units: uL
MSV_HP25_ISO_00009	Amount Added: 1.00	Units: uL

Report Date: 17-Jun-2024 14:17:24

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X04.D

Injection Date: 14-Jun-2024 19:24:30

Instrument ID: 16334

Operator ID: mec29284

Lims ID: IC std3sm

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

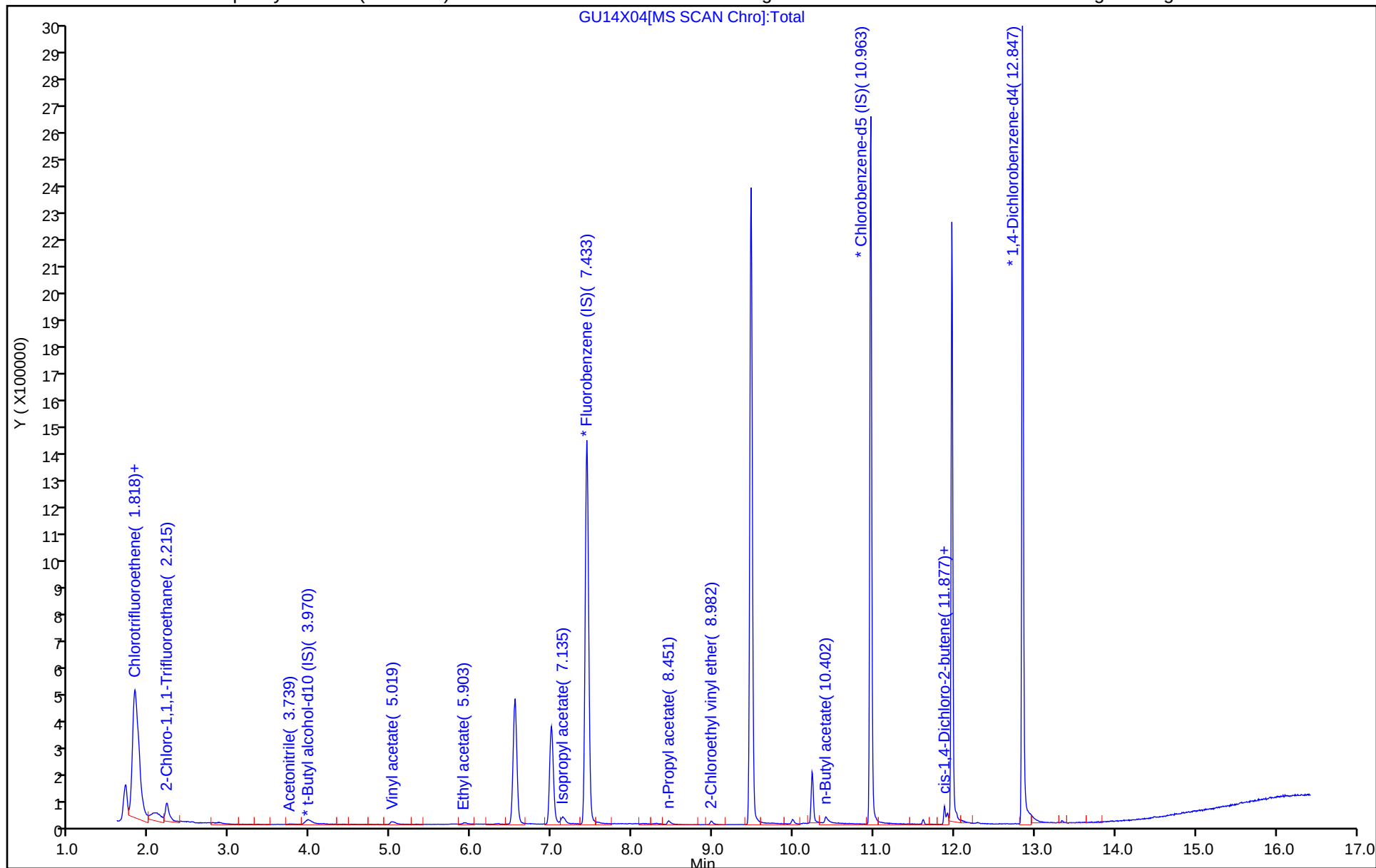
ALS Bottle#: 4

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

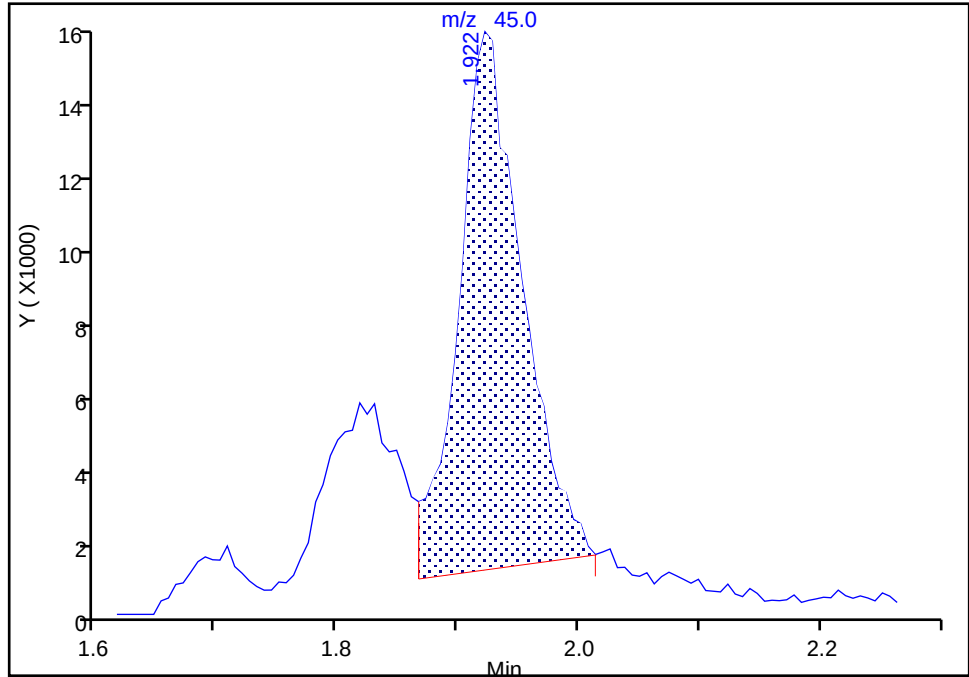
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X04.D
Injection Date: 14-Jun-2024 19:24:30 Instrument ID: 16334
Lims ID: IC std3sm
Client ID:
Operator ID: mec29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

4 Dimethyl ether, CAS: 115-10-6

Signal: 1

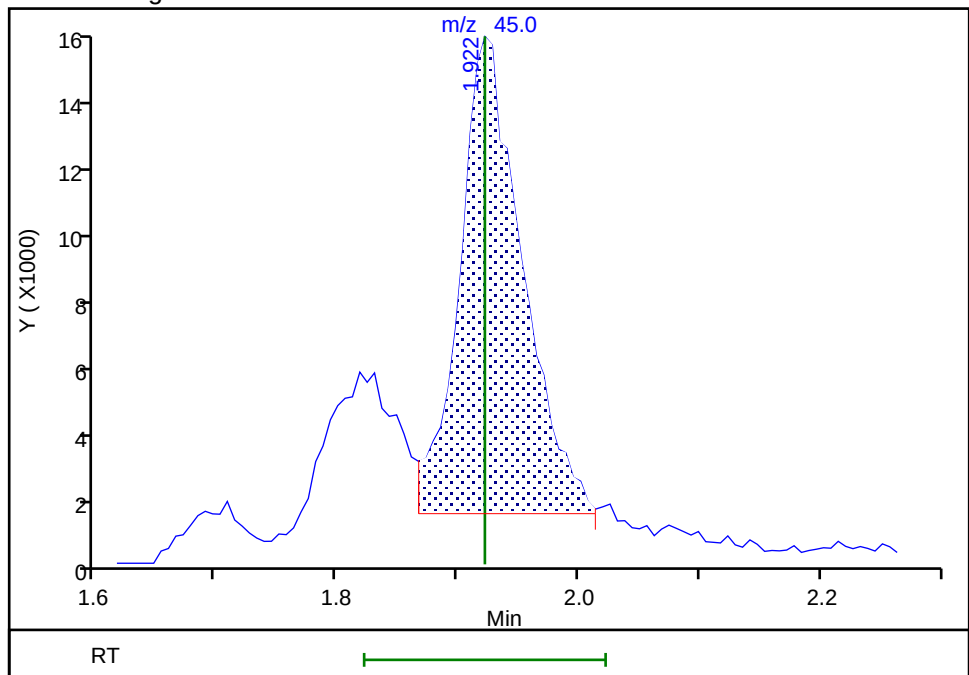
RT: 1.92
Area: 53364
Amount: 0.906129
Amount Units: ug/l

Processing Integration Results



RT: 1.92
Area: 51558
Amount: 0.887905
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:16:15 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

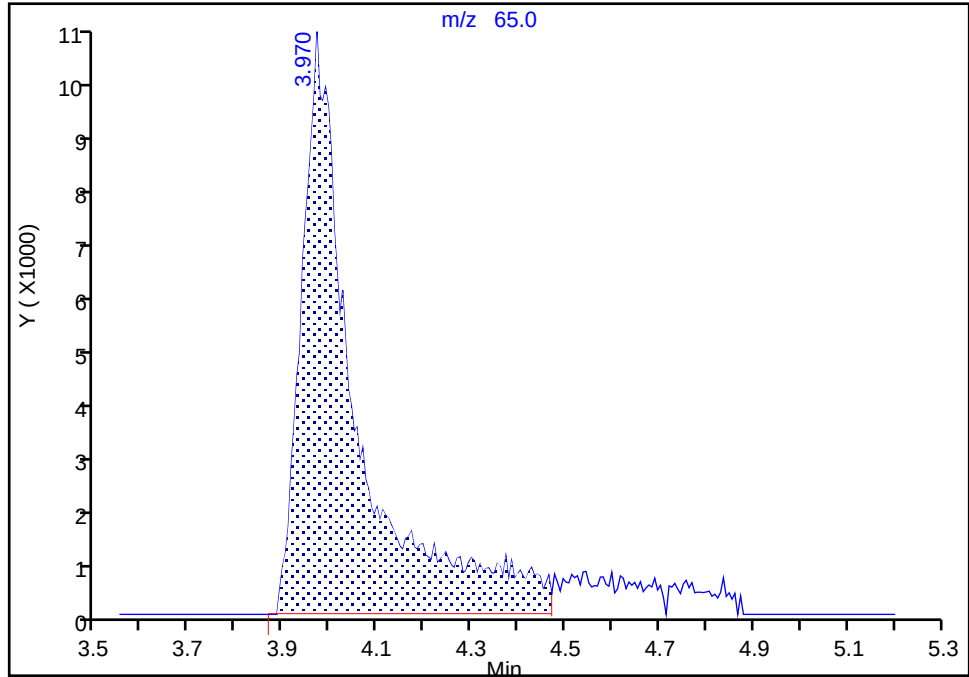
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X04.D
Injection Date: 14-Jun-2024 19:24:30 Instrument ID: 16334
Lims ID: IC std3sm
Client ID:
Operator ID: mec29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

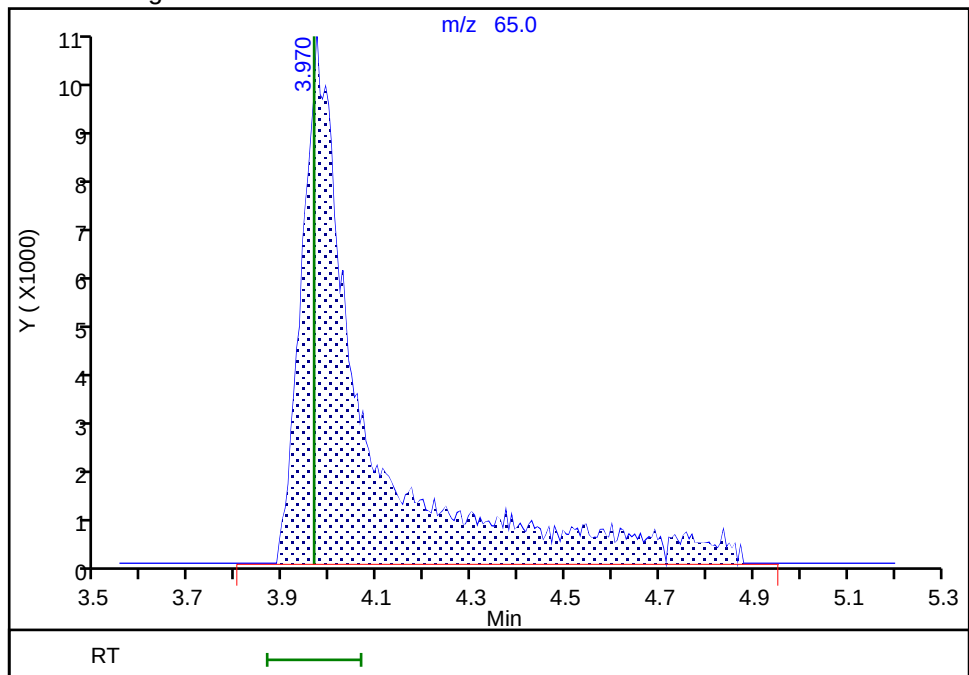
RT: 3.97
Area: 83438
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.97
Area: 95137
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:16:38 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

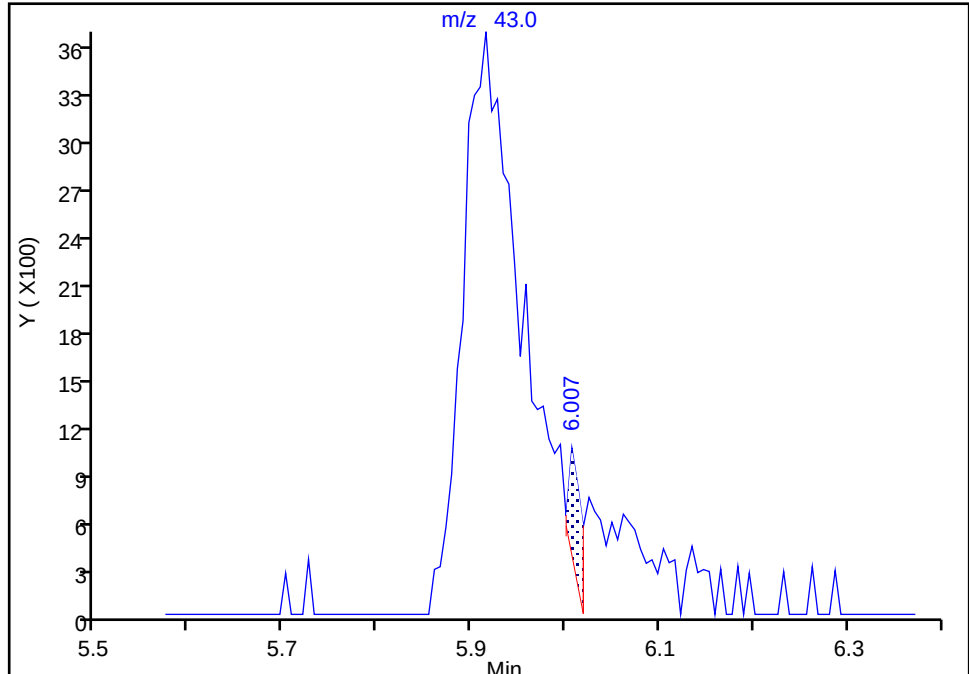
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X04.D
Injection Date: 14-Jun-2024 19:24:30 Instrument ID: 16334
Lims ID: IC std3sm
Client ID:
Operator ID: mec29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

44 Ethyl acetate, CAS: 141-78-6

Signal: 1

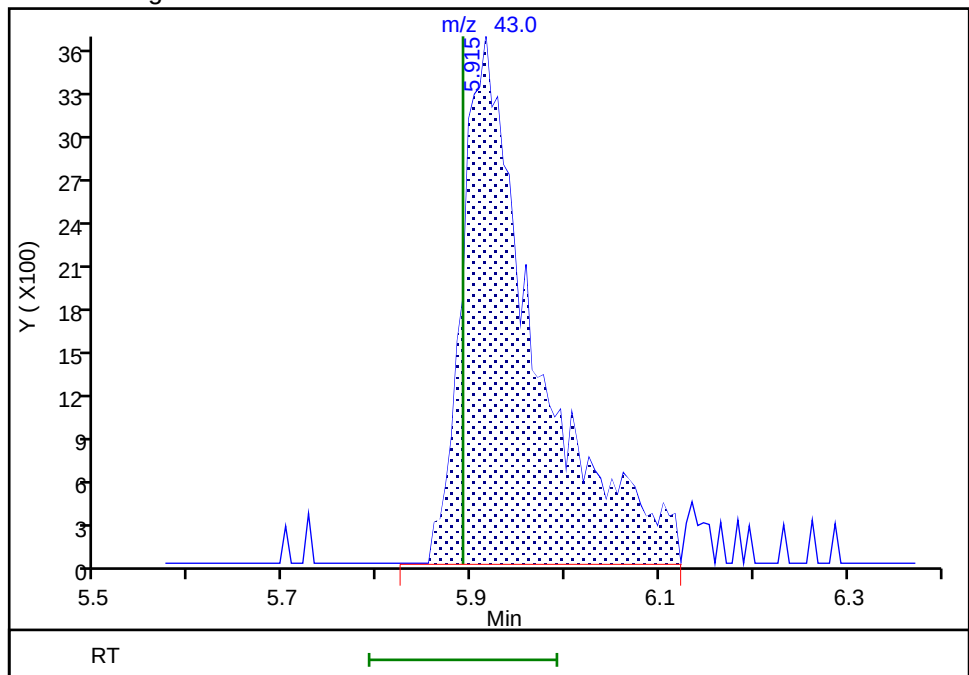
RT: 6.01
Area: 703
Amount: 0.037587
Amount Units: ug/l

Processing Integration Results



RT: 5.92
Area: 19737
Amount: 0.921324
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:16:48 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X05.D
 Lims ID: IC std4sm
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 14-Jun-2024 19:46:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116727-006
 Misc. Info.: IC STD2 SM
 Operator ID: mec29284 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub40
 Method: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 14:17:25 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: UCB5

Date: 16-Jun-2024 09:18:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.812	1.812	0.000	94	48321	2.00	2.17	
3 Chlorodifluoromethane	51	1.867	1.867	0.000	97	140614	2.00	2.17	
4 Dimethyl ether	45	1.916	1.916	0.000	98	99870	2.00	1.99	M
8 2-Chloro-1,1,1-Trifluoroethane	118	2.209	2.209	0.000	34	113700	2.00	2.18	
26 Acetonitrile	41	3.733	3.733	0.000	74	21442	10.0	10.2	
* 30 t-Butyl alcohol-d10 (IS)	65	3.965	3.965	0.000	24	76076	50.0	50.0	M
36 Vinyl acetate	43	5.019	5.019	0.000	98	84743	2.00	1.87	
44 Ethyl acetate	43	5.909	5.909	0.000	99	32170	2.00	1.74	
62 Isopropyl acetate	43	7.135	7.135	0.000	98	85531	2.00	1.99	
* 64 Fluorobenzene (IS)	96	7.433	7.433	0.000	99	1772767	10.0	10.0	
75 n-Propyl acetate	61	8.445	8.445	0.000	99	14570	2.00	2.07	
78 2-Chloroethyl vinyl ether	63	8.976	8.976	0.000	93	21130	2.00	1.96	
111 n-Butyl acetate	43	10.396	10.396	0.000	98	53638	2.00	1.81	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	87	1262020	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.878	11.878	0.000	98	35160	4.00	4.15	
126 Cyclohexanone	55	11.914	11.914	0.000	89	44648	100.0	88.0	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	647256	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_CYC_00008	Amount Added: 8.00	Units: uL
MSV_DME_00055	Amount Added: 1.00	Units: uL
MSV_V_SMRV4_00071	Amount Added: 5.00	Units: uL
MSV_CCV_V5ACE_00037	Amount Added: 1.00	Units: uL
MSV_HP25_ISO_00009	Amount Added: 1.00	Units: uL

Report Date: 17-Jun-2024 14:17:26

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X05.D

Injection Date: 14-Jun-2024 19:46:30

Instrument ID: 16334

Operator ID: mec29284

Lims ID: IC std4sm

Worklist Smp#: 6

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

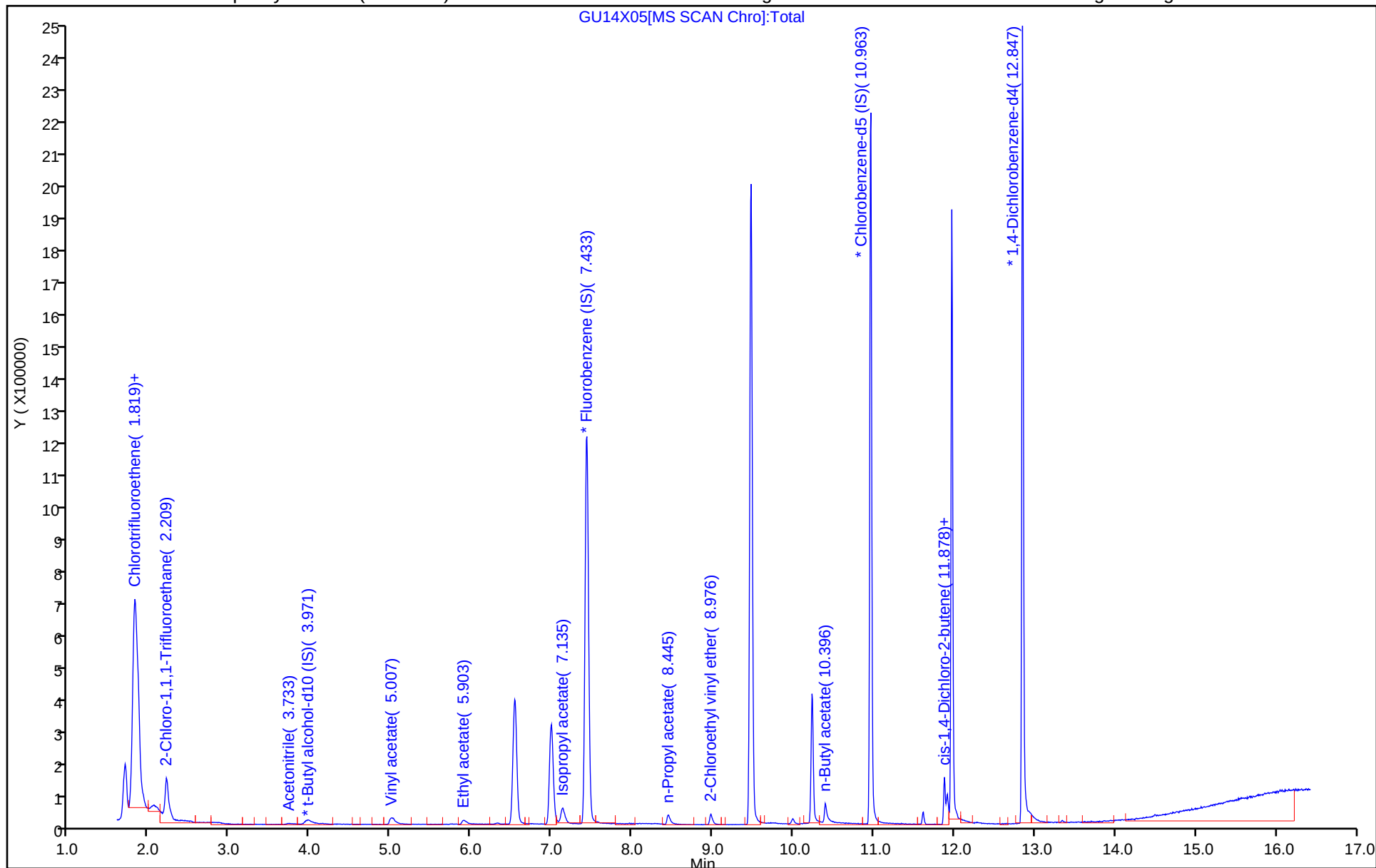
ALS Bottle#: 5

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

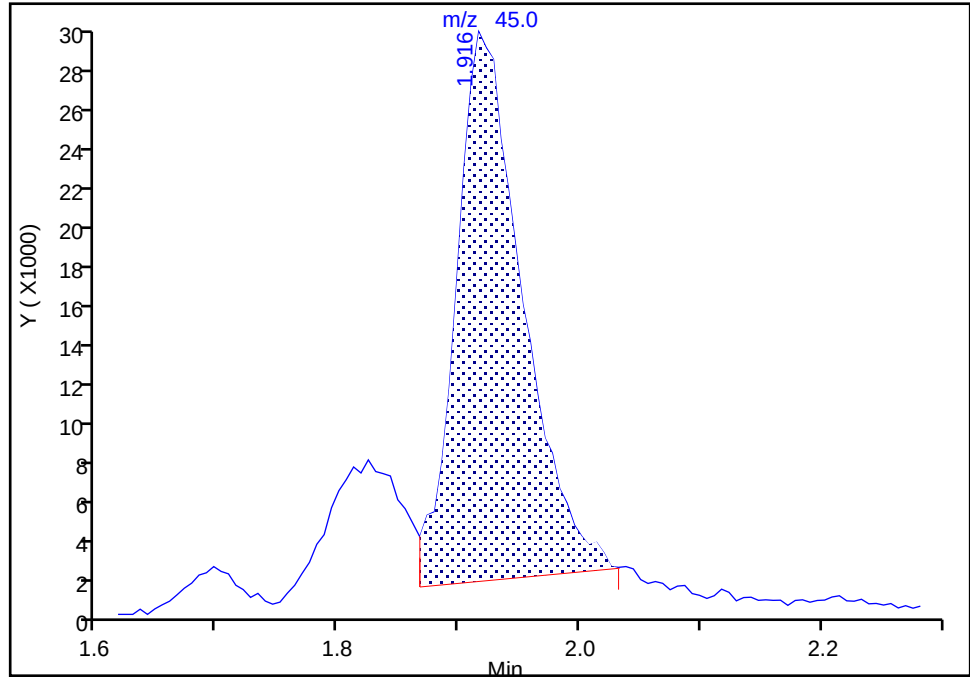
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X05.D
Injection Date: 14-Jun-2024 19:46:30 Instrument ID: 16334
Lims ID: IC std4sm
Client ID:
Operator ID: mec29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

4 Dimethyl ether, CAS: 115-10-6

Signal: 1

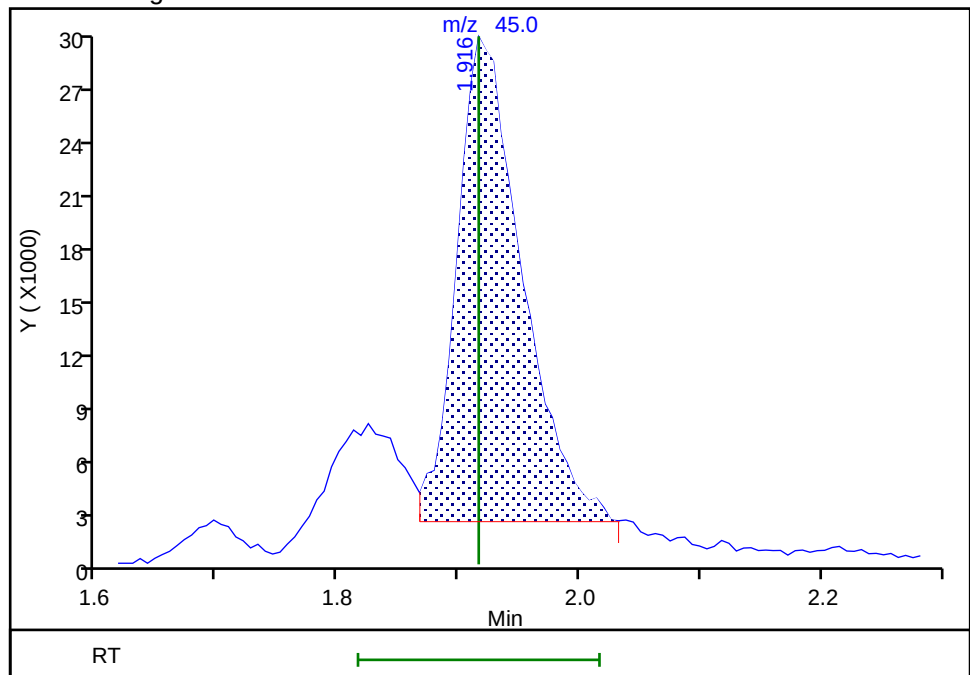
RT: 1.92
Area: 104596
Amount: 2.063888
Amount Units: ug/l

Processing Integration Results



RT: 1.92
Area: 99870
Amount: 1.989885
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:17:54 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

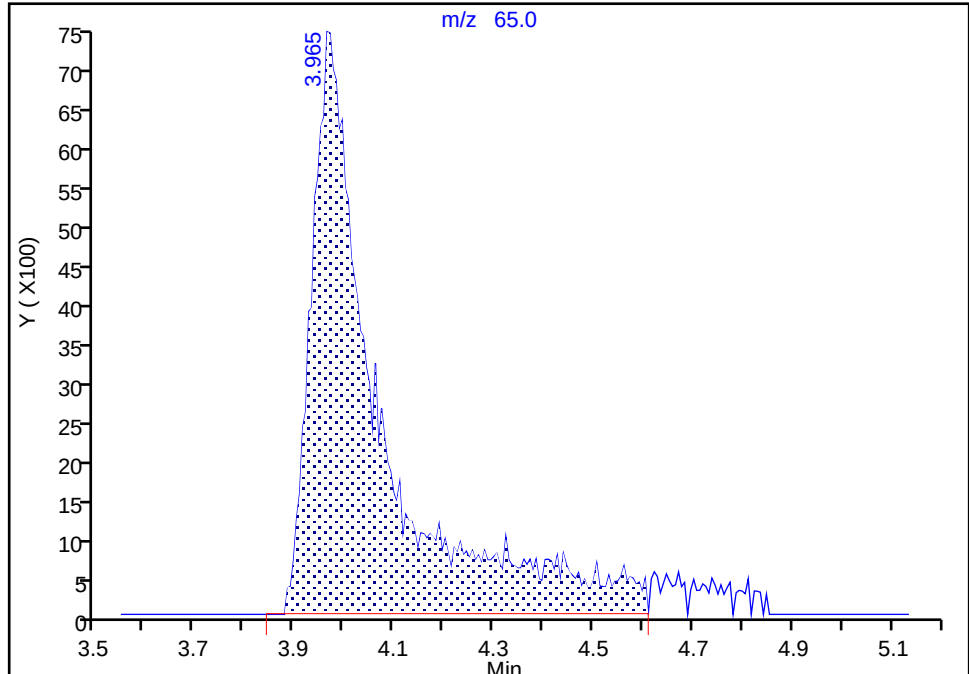
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X05.D
Injection Date: 14-Jun-2024 19:46:30 Instrument ID: 16334
Lims ID: IC std4sm
Client ID:
Operator ID: mec29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

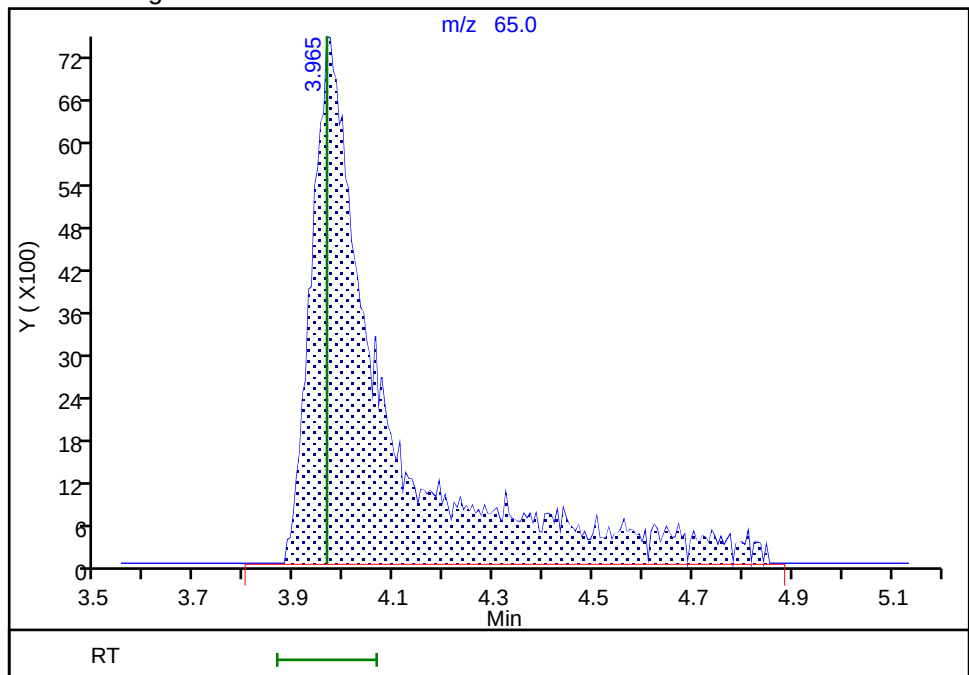
RT: 3.96
Area: 71378
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.96
Area: 76076
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:18:07 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X06.D
 Lims ID: IC std5sm
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 14-Jun-2024 20:09:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116727-007
 Misc. Info.: IC STD5 SM
 Operator ID: mec29284 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub40
 Method: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 14:17:28 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: UCB5

Date: 16-Jun-2024 09:19:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.819	1.812	0.007	45	111650	5.00	4.57	
3 Chlorodifluoromethane	51	1.861	1.867	-0.006	97	316984	5.00	4.46	
4 Dimethyl ether	45	1.922	1.916	0.006	99	245358	5.00	4.46	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.209	2.209	0.000	35	267804	5.00	4.69	
26 Acetonitrile	41	3.727	3.733	-0.006	96	61511	25.0	26.7	
* 30 t-Butyl alcohol-d10 (IS)	65	3.971	3.965	0.007	23	83313	50.0	50.0	M
36 Vinyl acetate	43	4.995	5.019	-0.024	97	231606	5.00	4.66	
44 Ethyl acetate	43	5.891	5.909	-0.018	99	93204	5.00	4.59	
62 Isopropyl acetate	43	7.128	7.135	-0.007	99	223799	5.00	4.74	
* 64 Fluorobenzene (IS)	96	7.433	7.433	0.000	99	1943758	10.0	10.0	
75 n-Propyl acetate	61	8.439	8.445	-0.006	98	41239	5.00	5.34	
78 2-Chloroethyl vinyl ether	63	8.970	8.976	-0.006	92	58223	5.00	4.93	
111 n-Butyl acetate	43	10.390	10.396	-0.006	98	176927	5.00	5.36	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	1408252	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.878	11.878	0.000	99	93551	10.0	10.1	
126 Cyclohexanone	55	11.908	11.914	-0.006	91	154138	250.0	225.4	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	716145	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_CYC_00008	Amount Added: 8.00	Units: uL
MSV_DME_00055	Amount Added: 1.00	Units: uL
MSV_V_SMRV4_00071	Amount Added: 5.00	Units: uL
MSV_CCV_V5ACE_00037	Amount Added: 1.00	Units: uL
MSV_HP25_ISO_00009	Amount Added: 1.00	Units: uL

Report Date: 17-Jun-2024 14:17:28

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X06.D

Injection Date: 14-Jun-2024 20:09:30

Instrument ID: 16334

Operator ID: mec29284

Lims ID: IC std5sm

Worklist Smp#: 7

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

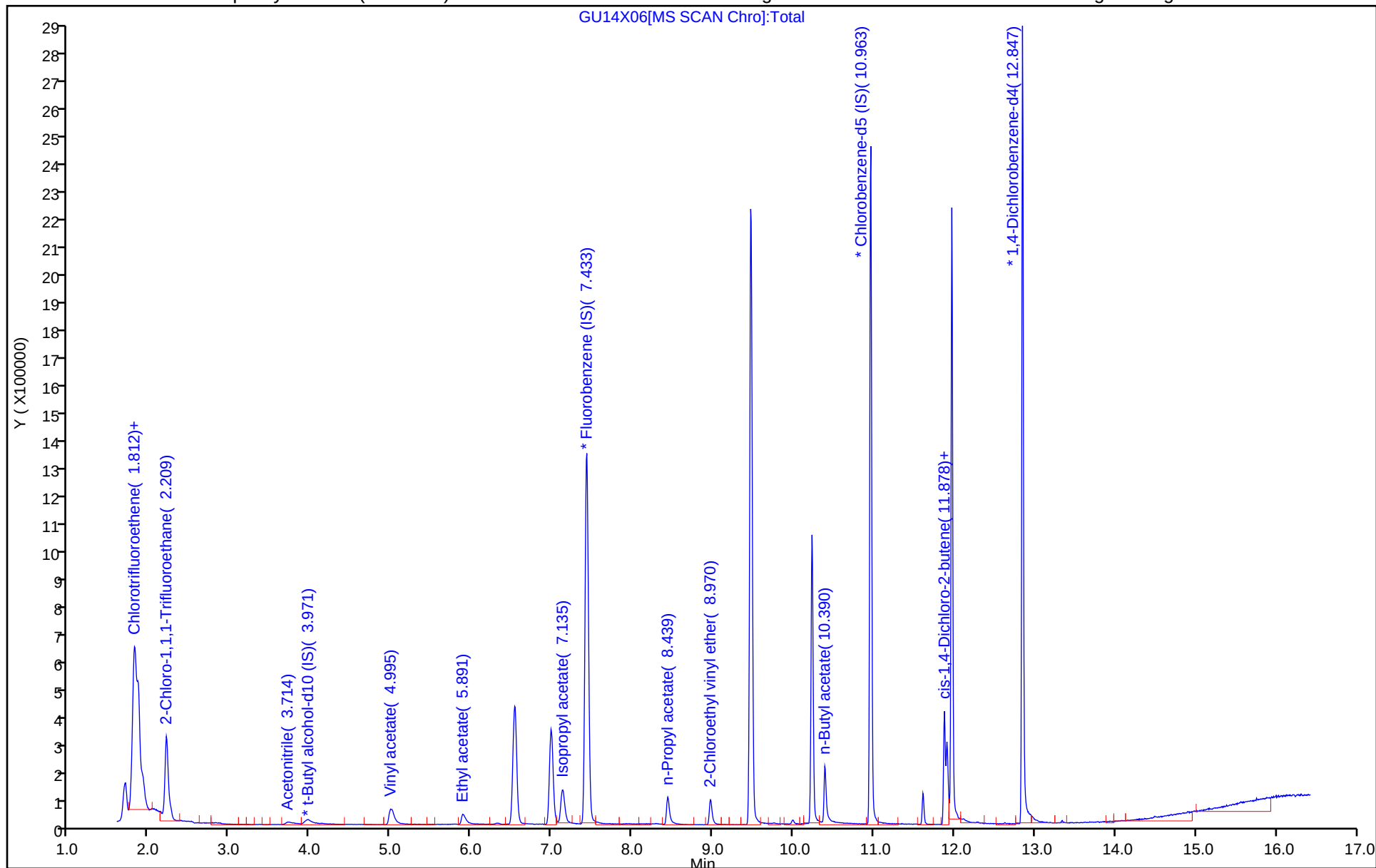
ALS Bottle#: 6

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

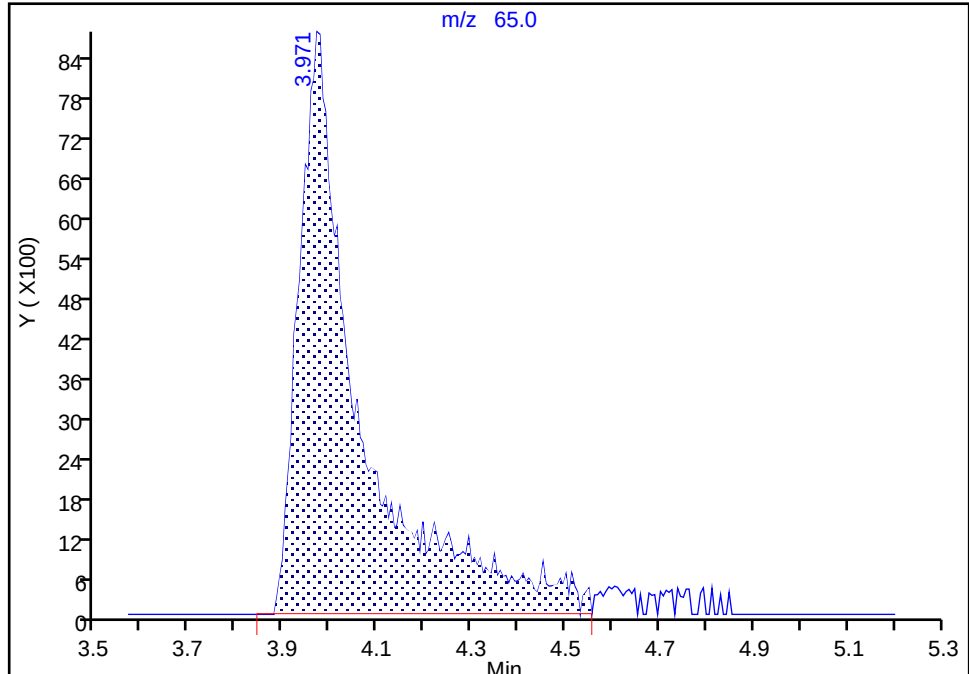
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Injection Date: 14-Jun-2024 20:09:30 Instrument ID: 16334
Lims ID: IC std5sm
Client ID:
Operator ID: mec29284 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

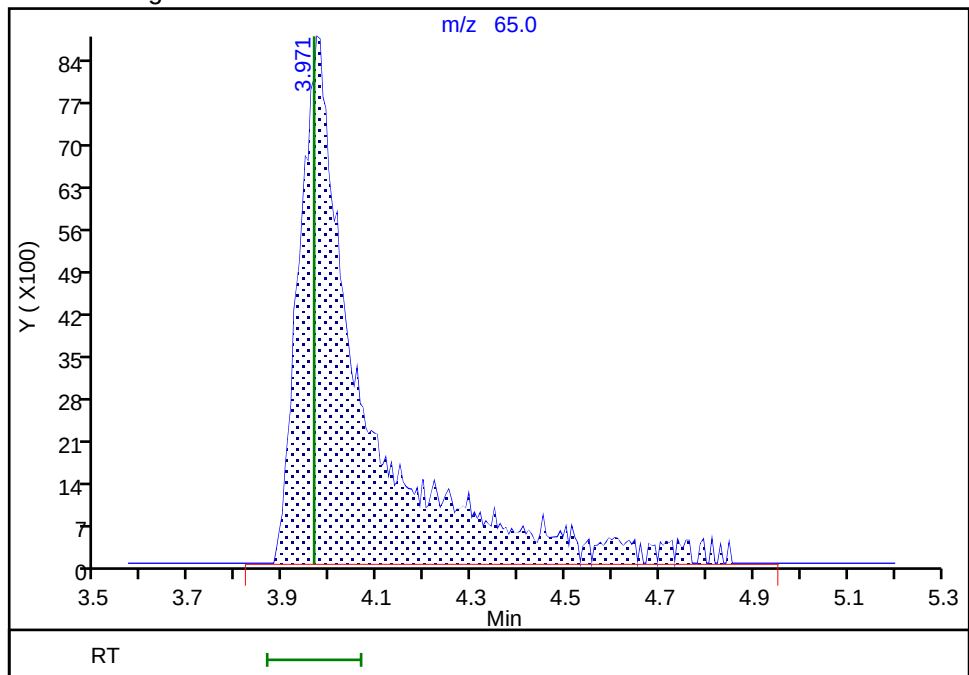
RT: 3.97
Area: 79108
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.97
Area: 83313
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:19:02 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X07.D
 Lims ID: IC std6sm
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 14-Jun-2024 20:31:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116727-008
 Misc. Info.: IC STD10 SM
 Operator ID: mec29284 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub40
 Method: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 14:17:29 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: UCB5

Date: 16-Jun-2024 09:21:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.818	1.818	0.000	95	242492	10.0	10.1	
3 Chlorodifluoromethane	51	1.867	1.867	0.000	97	658002	10.0	9.43	
4 Dimethyl ether	45	1.922	1.922	0.000	99	535756	10.0	9.92	M
8 2-Chloro-1,1,1-Trifluoroethane	118	2.215	2.215	0.000	35	557500	10.0	9.95	
26 Acetonitrile	41	3.720	3.720	0.000	99	110569	50.0	51.7	
* 30 t-Butyl alcohol-d10 (IS)	65	3.977	3.977	0.000	63	77477	50.0	50.0	M
36 Vinyl acetate	43	4.995	4.995	0.000	97	500908	10.0	10.3	
44 Ethyl acetate	43	5.891	5.891	0.000	99	188491	10.0	9.46	
62 Isopropyl acetate	43	7.134	7.134	0.000	98	451289	10.0	9.74	
* 64 Fluorobenzene (IS)	96	7.433	7.433	0.000	99	1907644	10.0	10.0	
75 n-Propyl acetate	61	8.439	8.439	0.000	98	87631	10.0	11.6	
78 2-Chloroethyl vinyl ether	63	8.969	8.969	0.000	92	133204	10.0	11.5	
111 n-Butyl acetate	43	10.390	10.390	0.000	98	388014	10.0	12.0	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	87	1375544	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.877	11.877	0.000	99	204708	20.0	23.7	
126 Cyclohexanone	55	11.908	11.908	0.000	91	315408	500.0	466.9	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	705277	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_CYC_00008	Amount Added: 8.00	Units: uL
MSV_DME_00055	Amount Added: 1.00	Units: uL
MSV_V_SMRV4_00071	Amount Added: 5.00	Units: uL
MSV_CCV_V5ACE_00037	Amount Added: 1.00	Units: uL
MSV_HP25_ISO_00009	Amount Added: 1.00	Units: uL

Report Date: 17-Jun-2024 14:17:30

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X07.D

Injection Date: 14-Jun-2024 20:31:30

Instrument ID: 16334

Operator ID: mec29284

Lims ID: IC std6sm

Worklist Smp#: 8

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

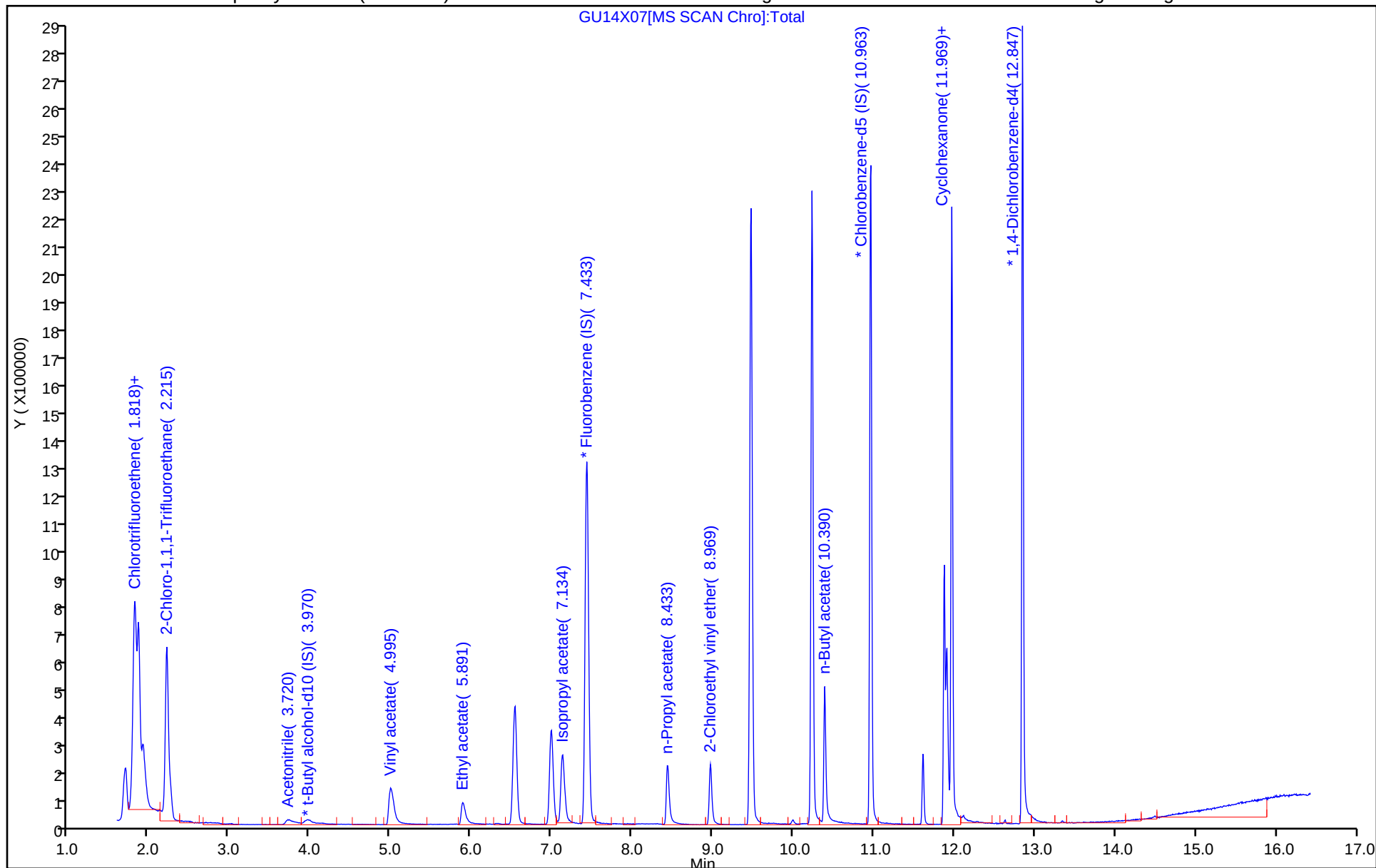
ALS Bottle#: 7

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

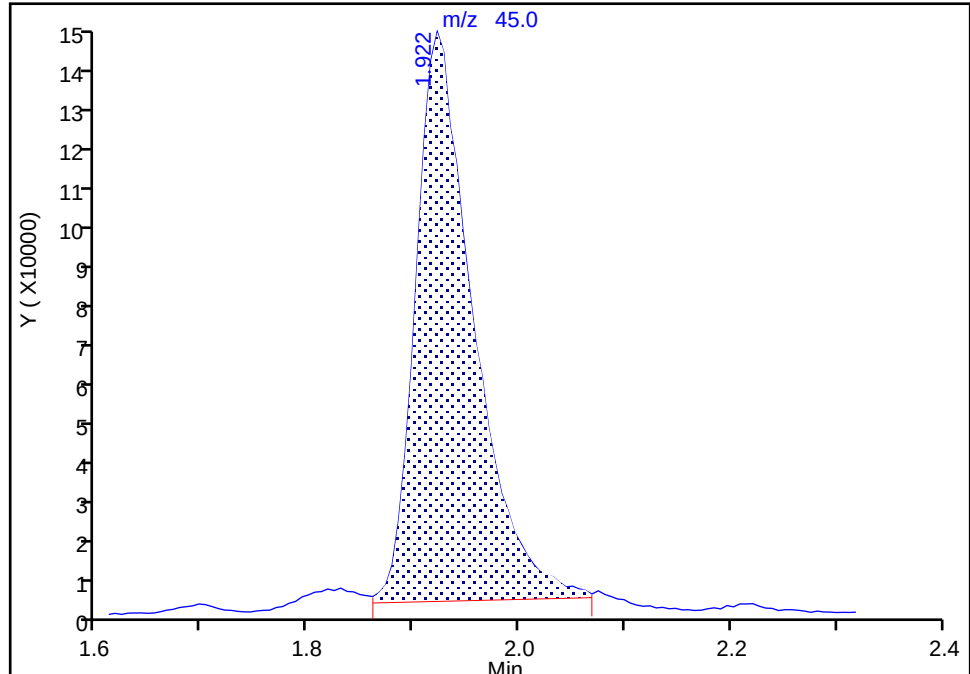
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Injection Date: 14-Jun-2024 20:31:30 Instrument ID: 16334
Lims ID: IC std6sm
Client ID:
Operator ID: mec29284 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

4 Dimethyl ether, CAS: 115-10-6

Signal: 1

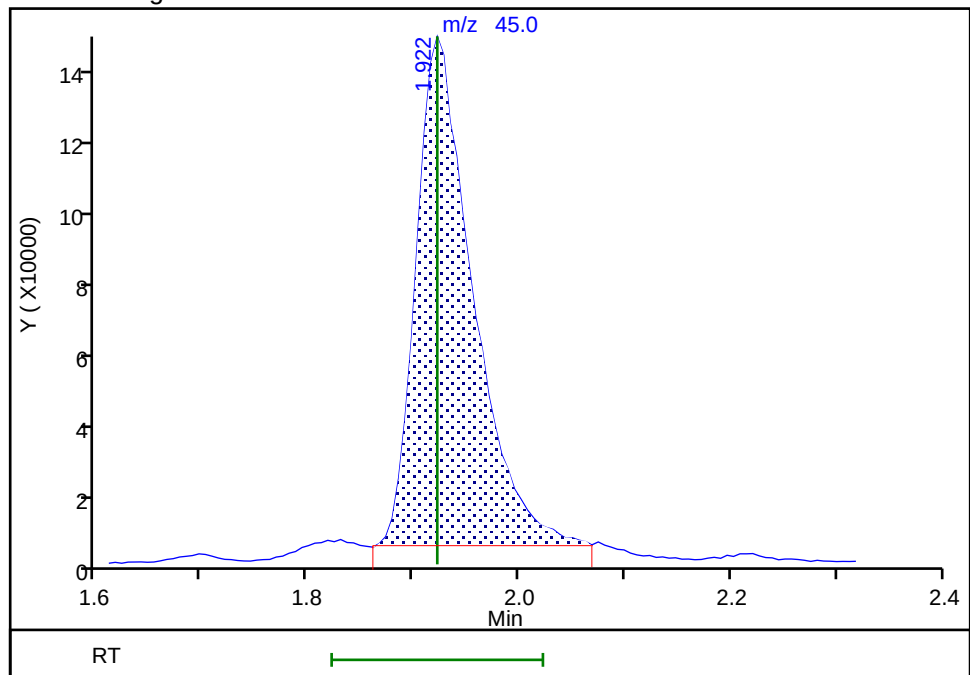
RT: 1.92
Area: 547259
Amount: 10.102311
Amount Units: ug/l

Processing Integration Results



RT: 1.92
Area: 535756
Amount: 9.920060
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:20:22 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

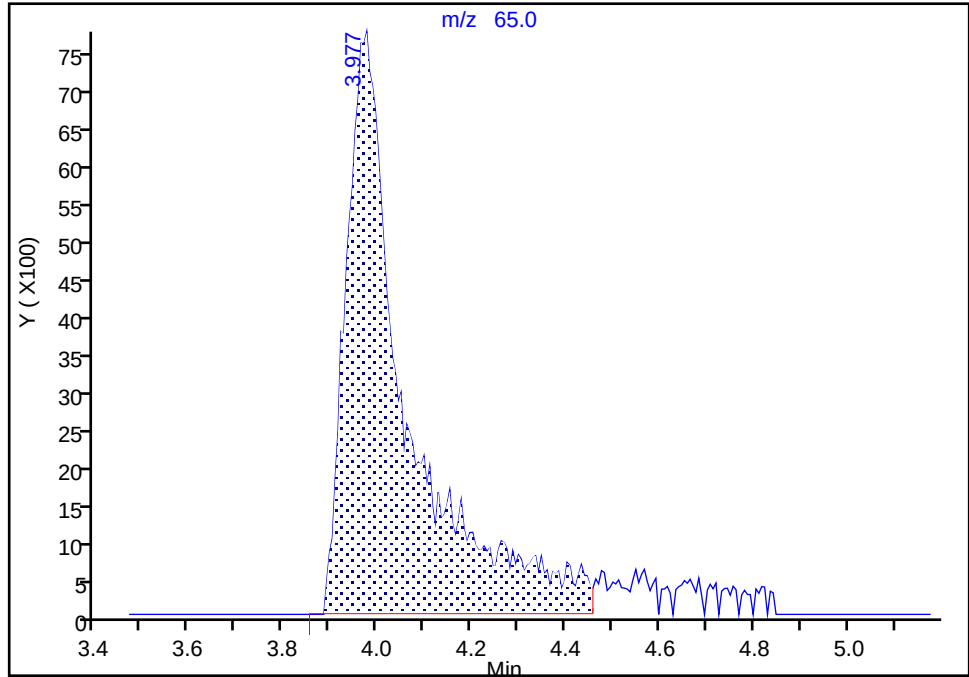
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Injection Date: 14-Jun-2024 20:31:30 Instrument ID: 16334
Lims ID: IC std6sm
Client ID:
Operator ID: mec29284 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

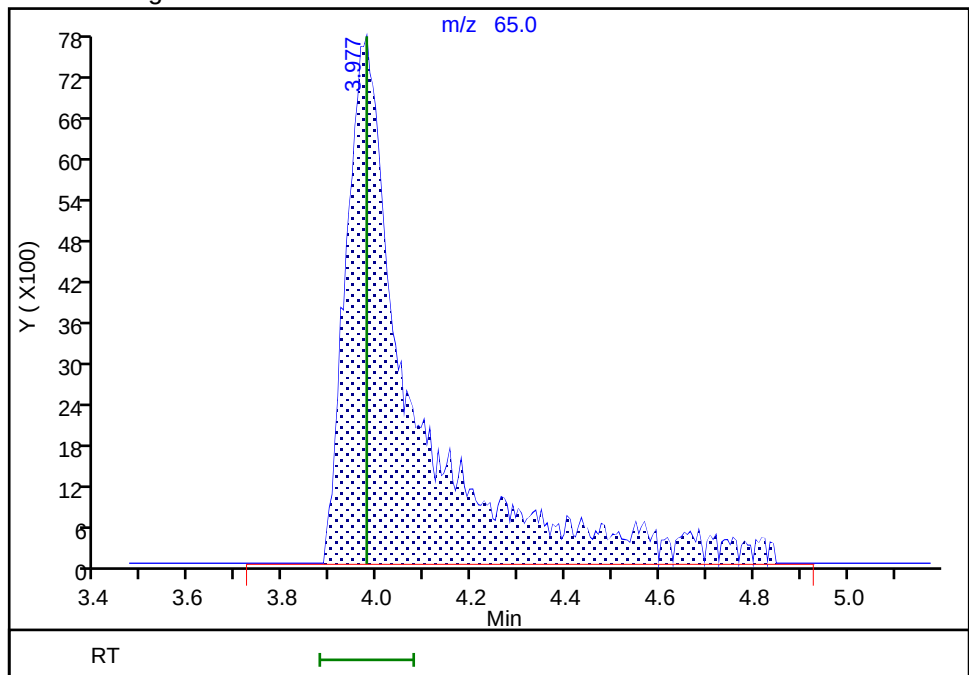
RT: 3.98
Area: 69756
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.98
Area: 77477
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:20:36 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X08.D
 Lims ID: IC std7sm
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 14-Jun-2024 20:55:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116727-009
 Misc. Info.: IC STD25 SM
 Operator ID: mec29284 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub40
 Method: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 14:17:31 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: UCB5

Date: 16-Jun-2024 09:22:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.818	1.818	0.000	93	613779	25.0	24.5	
3 Chlorodifluoromethane	51	1.867	1.867	0.000	97	1626676	25.0	22.3	
4 Dimethyl ether	45	1.928	1.922	0.006	99	1409051	25.0	25.0	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.221	2.215	0.006	35	1373290	25.0	23.5	M
26 Acetonitrile	41	3.727	3.720	0.007	100	283759	125.0	119.1	
* 30 t-Butyl alcohol-d10 (IS)	65	3.977	3.977	0.000	30	86283	50.0	50.0	M
36 Vinyl acetate	43	4.995	4.995	0.000	97	1187147	25.0	23.3	
44 Ethyl acetate	43	5.891	5.891	0.000	99	481997	25.0	23.2	
62 Isopropyl acetate	43	7.128	7.134	-0.006	98	1165581	25.0	24.1	
* 64 Fluorobenzene (IS)	96	7.433	7.433	0.000	99	1993208	10.0	10.0	
75 n-Propyl acetate	61	8.433	8.439	-0.006	99	236489	25.0	29.9	
78 2-Chloroethyl vinyl ether	63	8.963	8.969	-0.006	91	368439	25.0	30.4	
111 n-Butyl acetate	43	10.384	10.390	-0.006	98	1037294	25.0	30.7	
* 114 Chlorobenzene-d5 (IS)	117	10.957	10.963	-0.006	87	1442182	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.871	11.877	-0.006	99	577245	50.0	60.1	
126 Cyclohexanone	55	11.902	11.908	-0.006	92	1025105	1250.0	1316.3	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	738223	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_CYC_00008	Amount Added: 20.00	Units: uL
MSV_DME_00055	Amount Added: 2.50	Units: uL
MSV_V_SMRV4_00071	Amount Added: 12.50	Units: uL
MSV_CCV_V5ACE_00037	Amount Added: 2.50	Units: uL
MSV_HP25_ISO_00009	Amount Added: 1.00	Units: uL

Report Date: 17-Jun-2024 14:17:31

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X08.D

Injection Date: 14-Jun-2024 20:55:30

Instrument ID: 16334

Operator ID: mec29284

Lims ID: IC std7sm

Worklist Smp#: 9

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

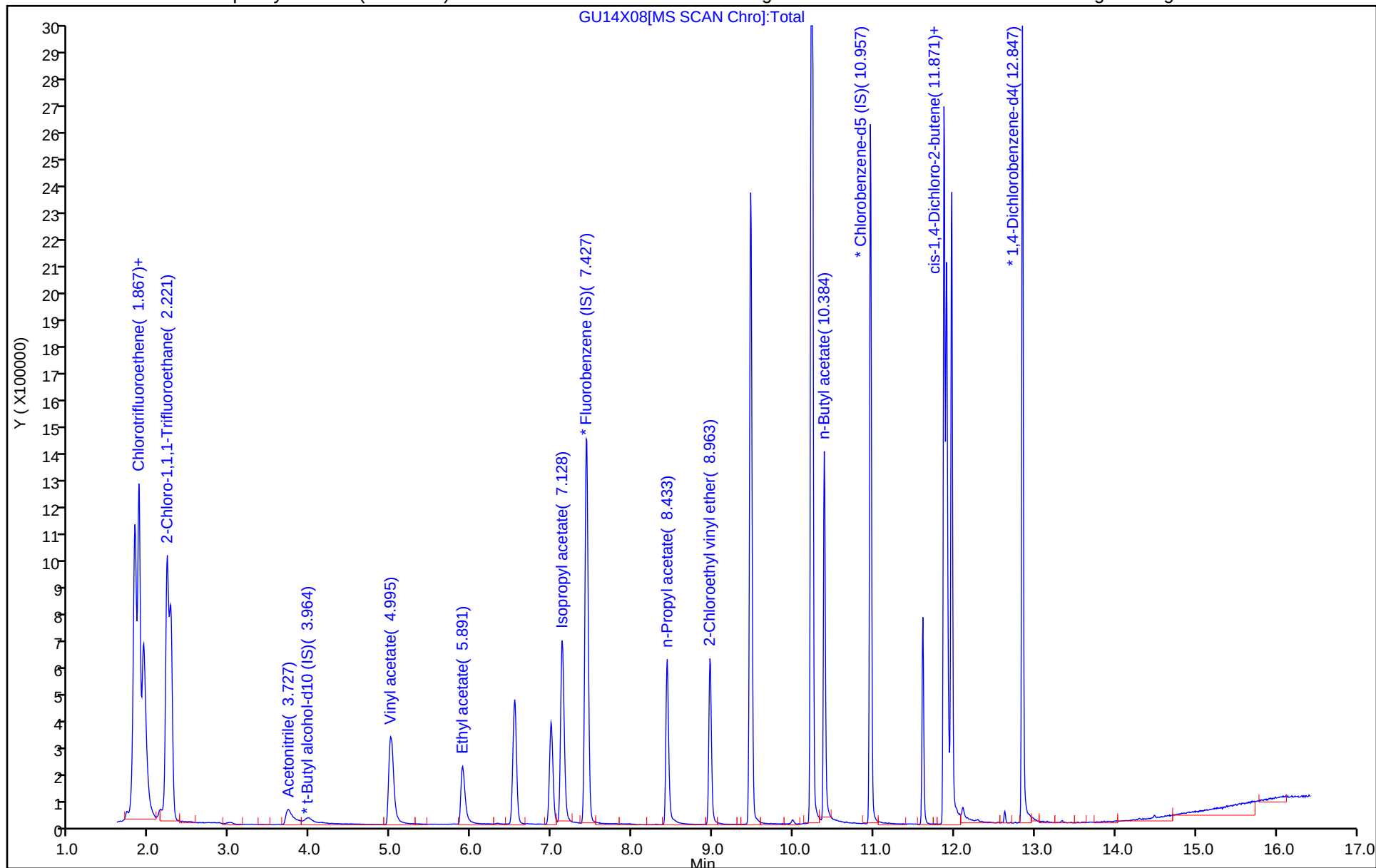
ALS Bottle#: 8

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

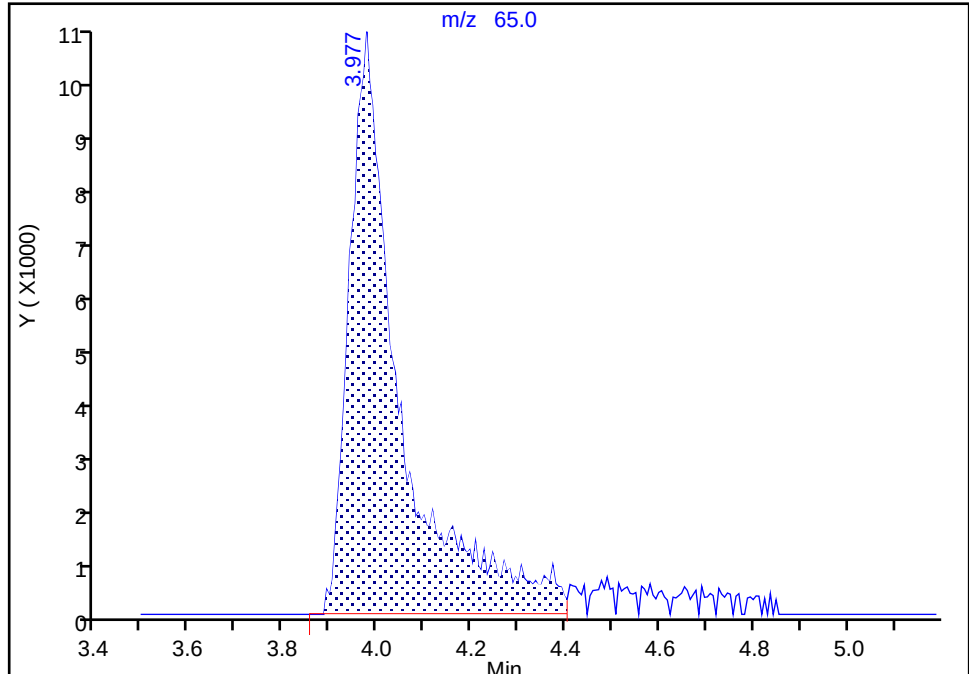
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Injection Date: 14-Jun-2024 20:55:30 Instrument ID: 16334
Lims ID: IC std7sm
Client ID:
Operator ID: mec29284 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

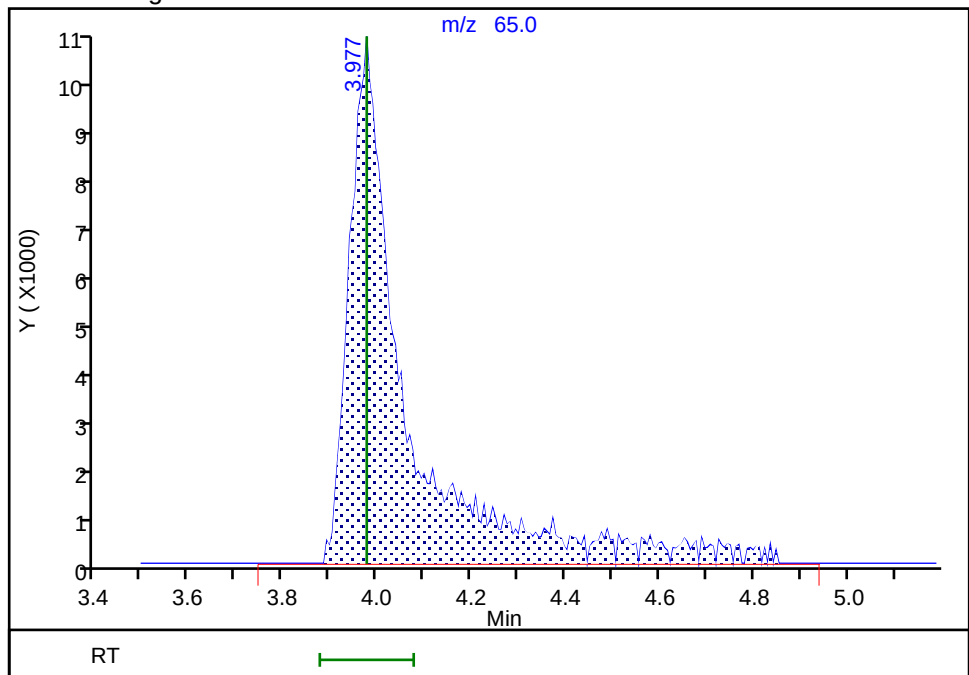
RT: 3.98
Area: 77520
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.98
Area: 86283
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:22:07 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Calibration

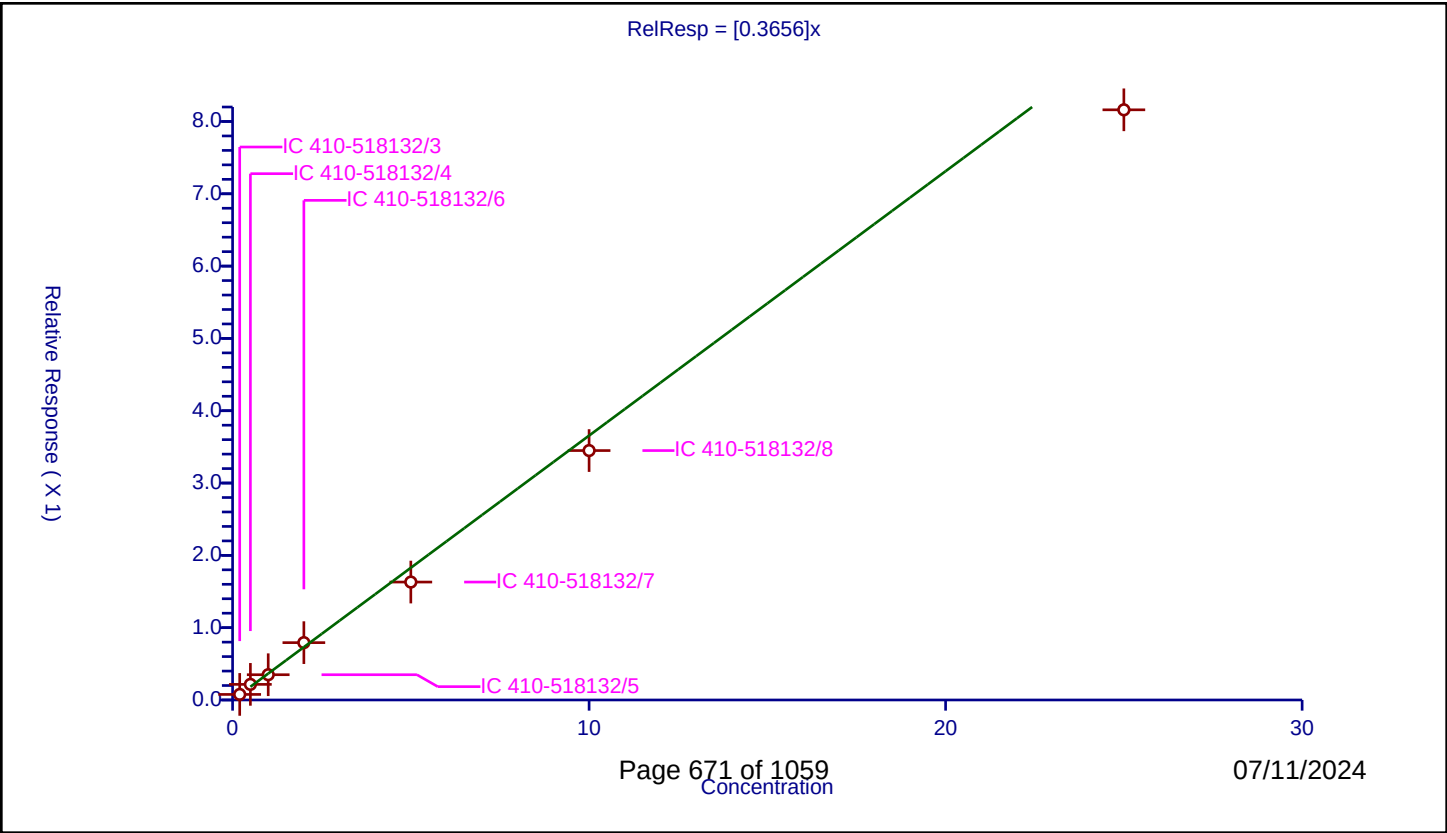
/ Chlorodifluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3656
Error Coefficients	

Relative Standard Deviation: 10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/3	0.2	0.076771	10.0	2077207.0	0.383857	Y
2	IC 410-518132/4	0.5	0.215877	10.0	1803159.0	0.431753	Y
3	IC 410-518132/5	1.0	0.349569	10.0	2051040.0	0.349569	Y
4	IC 410-518132/6	2.0	0.793189	10.0	1772767.0	0.396595	Y
5	IC 410-518132/7	5.0	1.630779	10.0	1943758.0	0.326156	Y
6	IC 410-518132/8	10.0	3.449291	10.0	1907644.0	0.344929	Y
7	IC 410-518132/9	25.0	8.161095	10.0	1993208.0	0.326444	Y



Calibration

/ Dimethyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

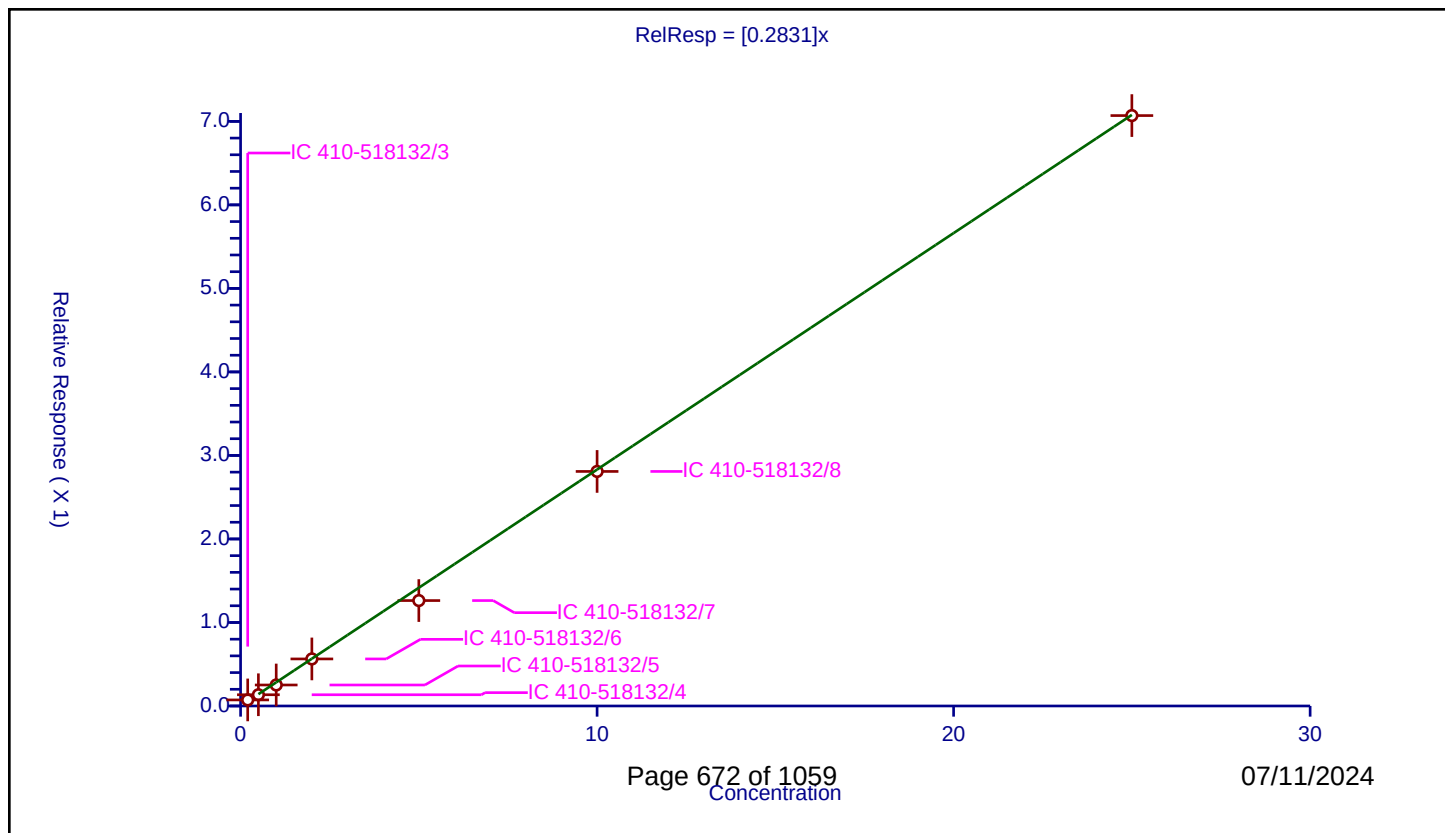
Curve Coefficients

Intercept: 0
Slope: 0.2831

Error Coefficients

Relative Standard Deviation: 13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/3	0.2	0.072727	10.0	2077207.0	0.363637	Y
2	IC 410-518132/4	0.5	0.134503	10.0	1803159.0	0.269006	Y
3	IC 410-518132/5	1.0	0.251375	10.0	2051040.0	0.251375	Y
4	IC 410-518132/6	2.0	0.563357	10.0	1772767.0	0.281678	Y
5	IC 410-518132/7	5.0	1.262287	10.0	1943758.0	0.252457	Y
6	IC 410-518132/8	10.0	2.80847	10.0	1907644.0	0.280847	Y
7	IC 410-518132/9	25.0	7.069262	10.0	1993208.0	0.28277	Y



Calibration

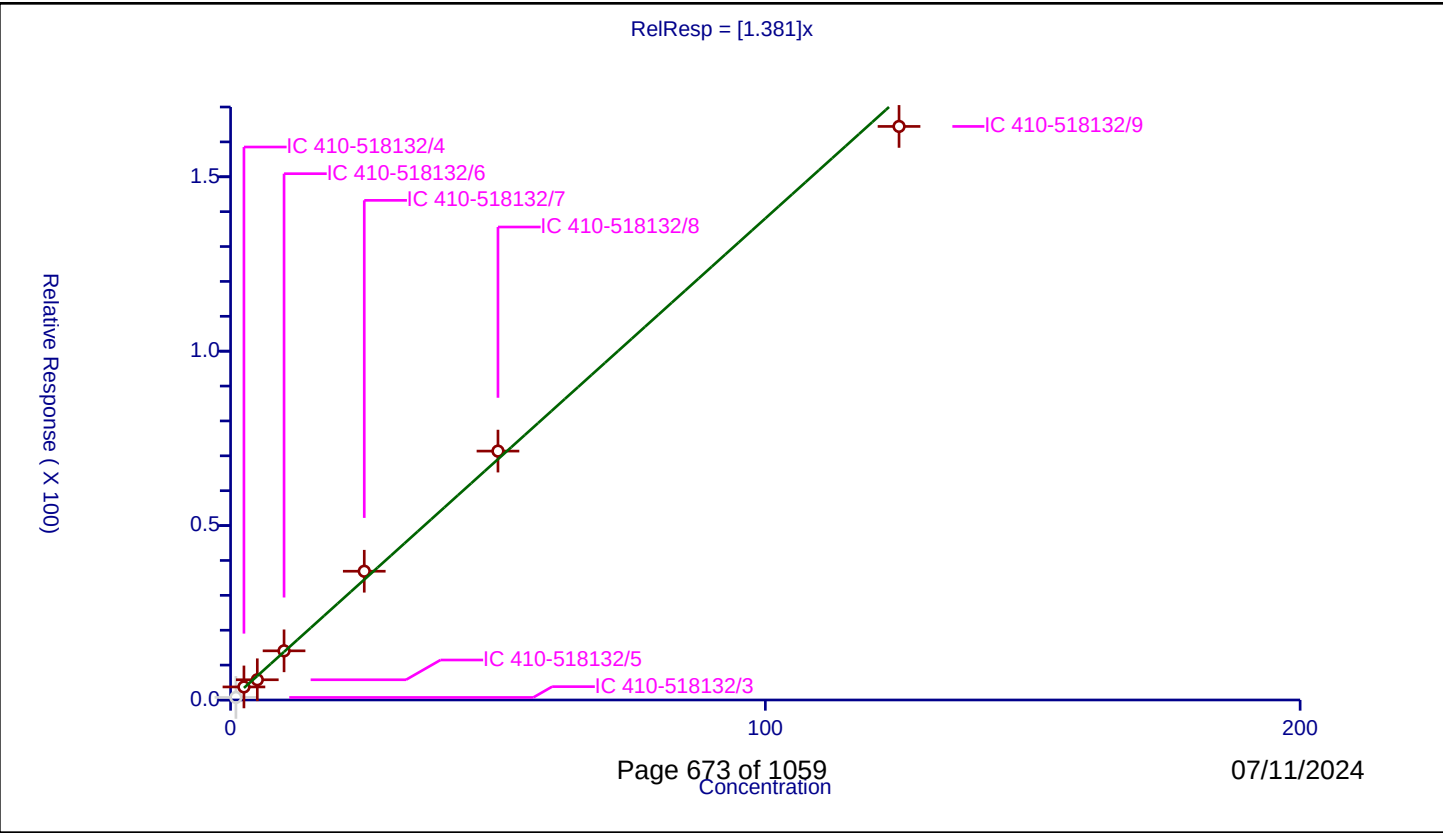
/ Acetonitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.381
Error Coefficients	

Relative Standard Deviation: 9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/3	1.0	0.729418	50.0	88975.0	0.729418	N
2	IC 410-518132/4	2.5	3.740005	50.0	79786.0	1.496002	Y
3	IC 410-518132/5	5.0	5.79848	50.0	95137.0	1.159696	Y
4	IC 410-518132/6	10.0	14.092486	50.0	76076.0	1.409249	Y
5	IC 410-518132/7	25.0	36.915607	50.0	83313.0	1.476624	Y
6	IC 410-518132/8	50.0	71.356015	50.0	77477.0	1.42712	Y
7	IC 410-518132/9	125.0	164.435057	50.0	86283.0	1.31548	Y



Calibration

/ Vinyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

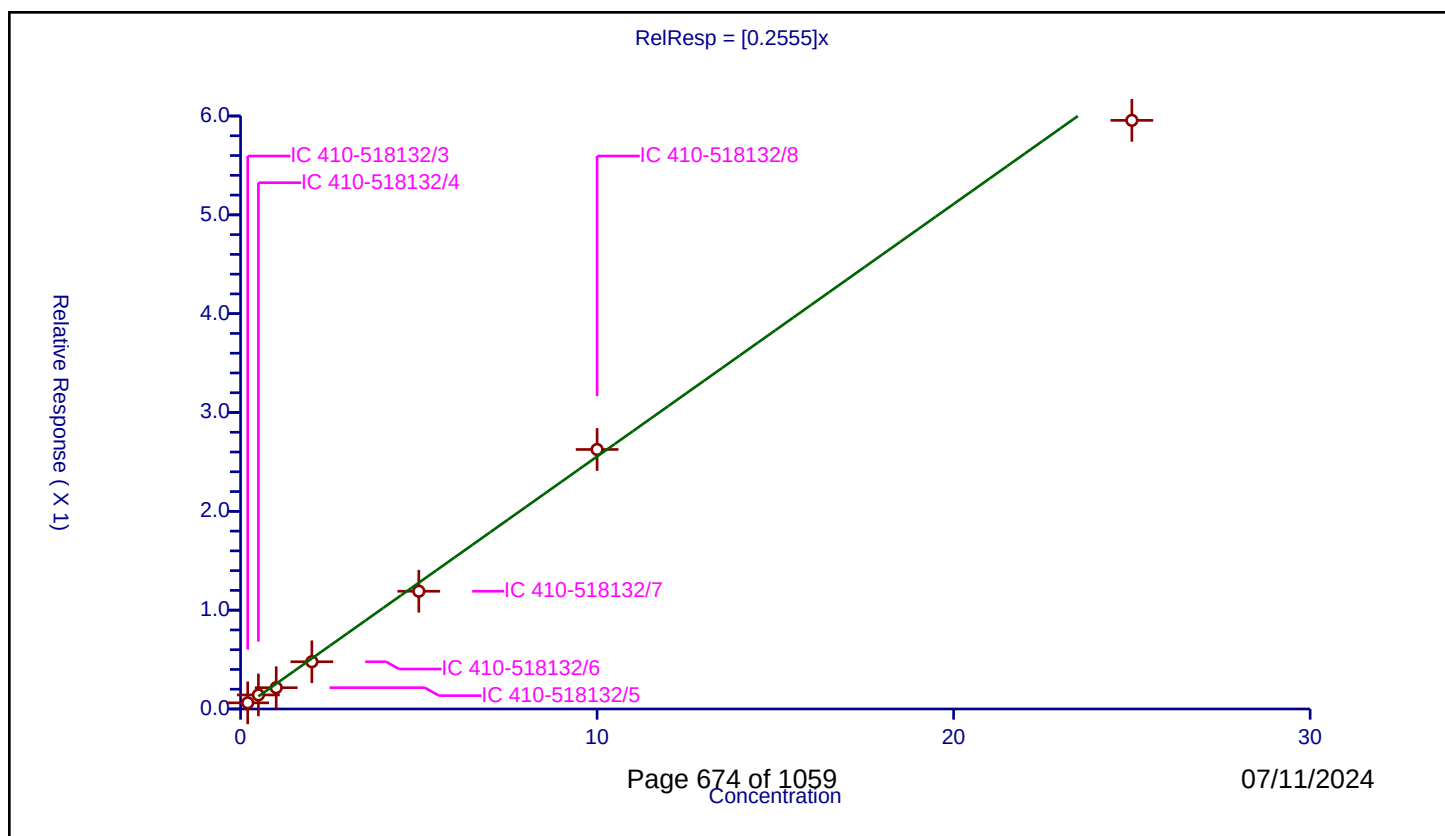
Curve Coefficients

Intercept: 0
Slope: 0.2555

Error Coefficients

Relative Standard Deviation: 12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/3	0.2	0.062074	10.0	2077207.0	0.310369	Y
2	IC 410-518132/4	0.5	0.142117	10.0	1803159.0	0.284235	Y
3	IC 410-518132/5	1.0	0.215569	10.0	2051040.0	0.215569	Y
4	IC 410-518132/6	2.0	0.478027	10.0	1772767.0	0.239013	Y
5	IC 410-518132/7	5.0	1.191537	10.0	1943758.0	0.238307	Y
6	IC 410-518132/8	10.0	2.625794	10.0	1907644.0	0.262579	Y
7	IC 410-518132/9	25.0	5.955961	10.0	1993208.0	0.238238	Y



Calibration

/ Ethyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

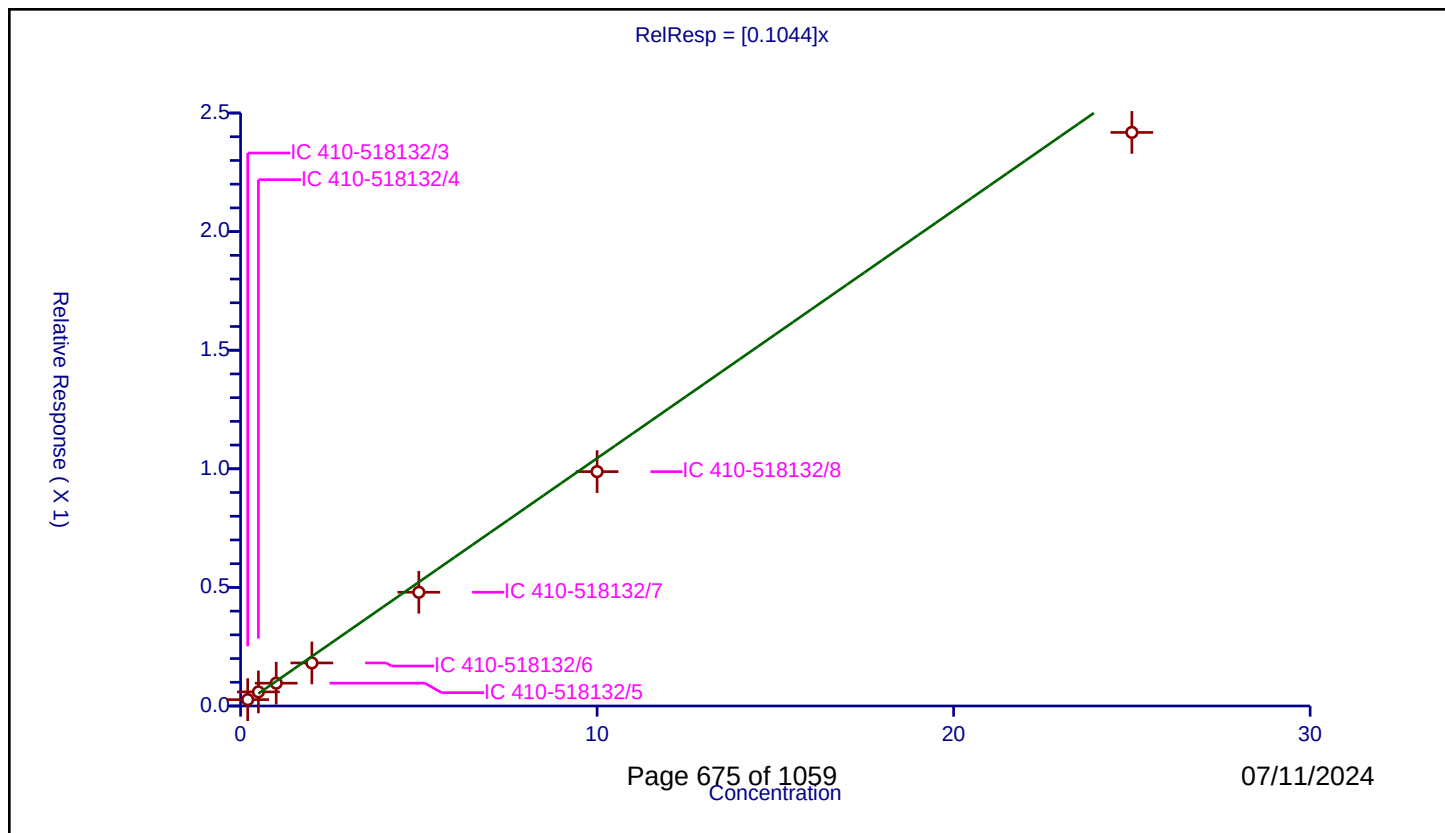
Curve Coefficients

Intercept: 0
Slope: 0.1044

Error Coefficients

Relative Standard Deviation: 15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/3	0.2	0.0268	10.0	2077207.0	0.134002	Y
2	IC 410-518132/4	0.5	0.059362	10.0	1803159.0	0.118725	Y
3	IC 410-518132/5	1.0	0.096229	10.0	2051040.0	0.096229	Y
4	IC 410-518132/6	2.0	0.181468	10.0	1772767.0	0.090734	Y
5	IC 410-518132/7	5.0	0.479504	10.0	1943758.0	0.095901	Y
6	IC 410-518132/8	10.0	0.988083	10.0	1907644.0	0.098808	Y
7	IC 410-518132/9	25.0	2.418197	10.0	1993208.0	0.096728	Y



Calibration

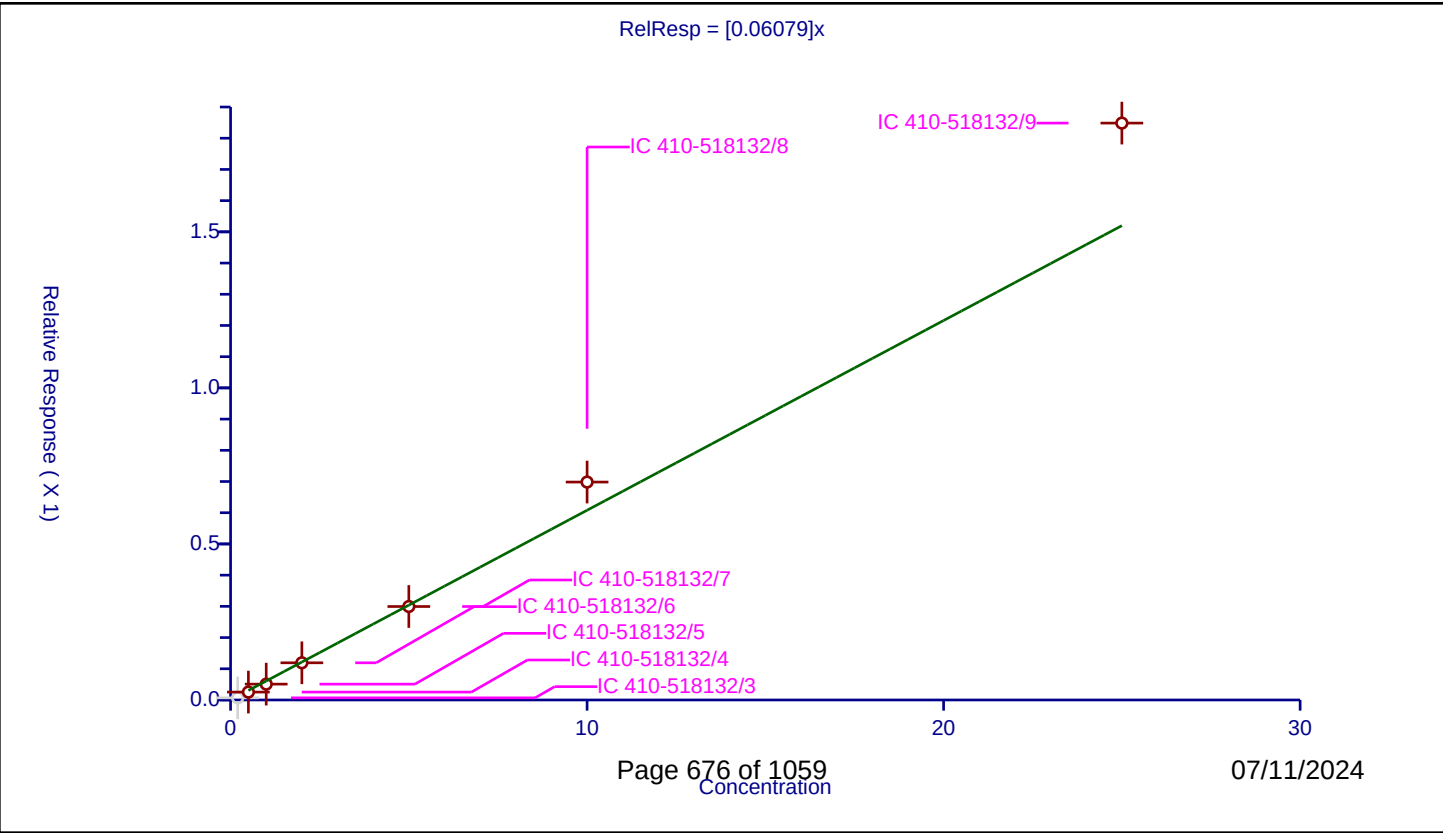
/ 2-Chloroethyl vinyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.06079
Error Coefficients	

Relative Standard Deviation: 15.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/3	0.2	0.006908	10.0	2077207.0	0.034542	N
2	IC 410-518132/4	0.5	0.025372	10.0	1803159.0	0.050744	Y
3	IC 410-518132/5	1.0	0.050755	10.0	2051040.0	0.050755	Y
4	IC 410-518132/6	2.0	0.119192	10.0	1772767.0	0.059596	Y
5	IC 410-518132/7	5.0	0.299538	10.0	1943758.0	0.059908	Y
6	IC 410-518132/8	10.0	0.698264	10.0	1907644.0	0.069826	Y
7	IC 410-518132/9	25.0	1.848472	10.0	1993208.0	0.073939	Y



Calibration

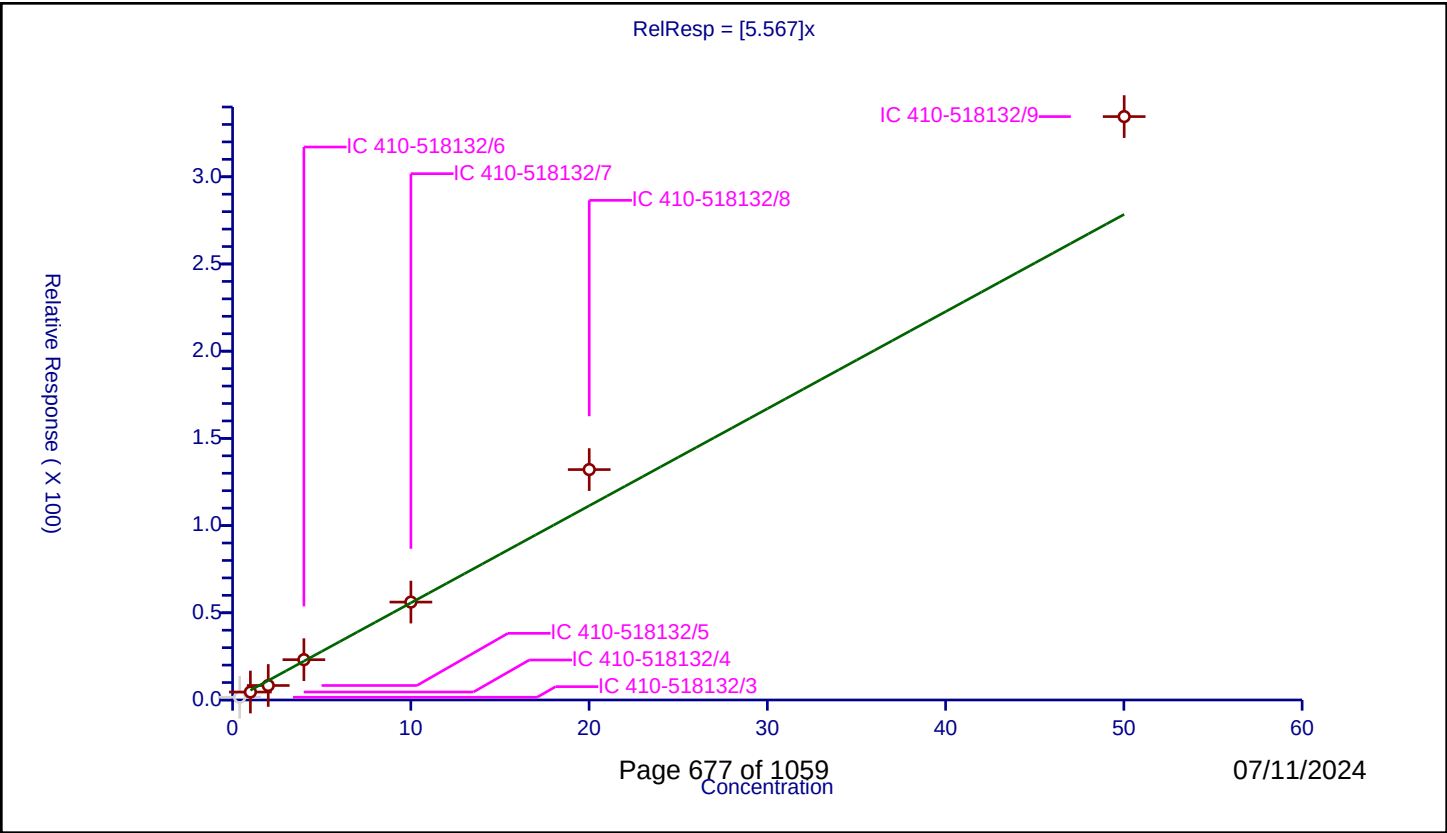
/ cis-1,4-Dichloro-2-butene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	5.567
Error Coefficients	

Relative Standard Deviation: 18.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/3	0.40014	1.565608	50.0	88975.0	3.912651	N
2	IC 410-518132/4	1.00035	4.571604	50.0	79786.0	4.570005	Y
3	IC 410-518132/5	2.0007	8.30907	50.0	95137.0	4.153081	Y
4	IC 410-518132/6	4.0014	23.10847	50.0	76076.0	5.775096	Y
5	IC 410-518132/7	10.0035	56.144299	50.0	83313.0	5.612466	Y
6	IC 410-518132/8	20.007	132.108884	50.0	77477.0	6.603133	Y
7	IC 410-518132/9	50.0175	334.506797	50.0	86283.0	6.687795	Y



Calibration

/ Cyclohexanone

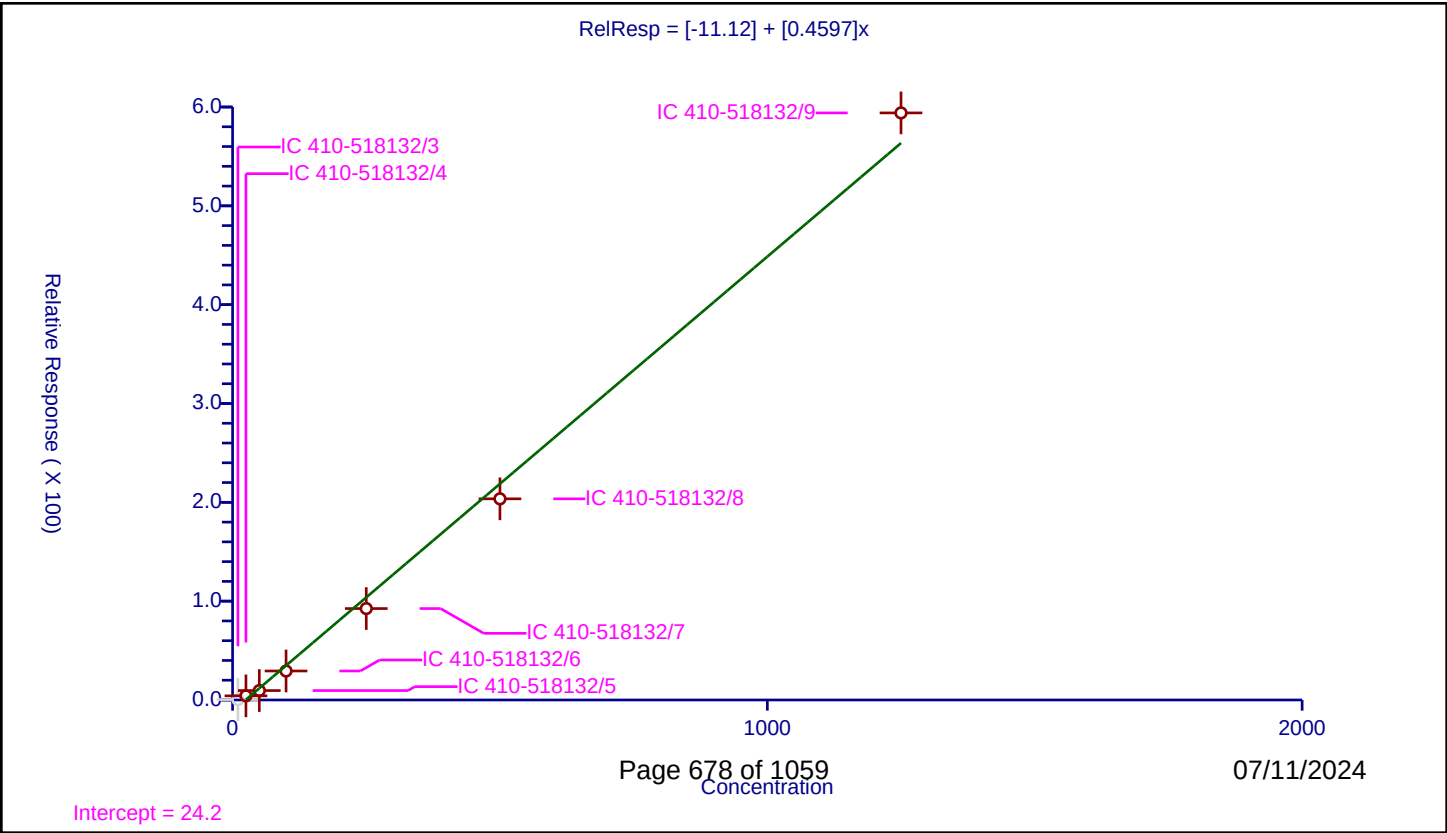
Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	-11.12
Slope:	0.4597

Error Coefficients	

Relative Standard Deviation: 19.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/3	9.999698	0.395617	50.0	88975.0	0.039563	N
2	IC 410-518132/4	24.999246	4.195598	50.0	79786.0	0.167829	Y
3	IC 410-518132/5	49.998492	9.547284	50.0	95137.0	0.190951	Y
4	IC 410-518132/6	99.996984	29.34434	50.0	76076.0	0.293452	Y
5	IC 410-518132/7	249.99246	92.505371	50.0	83313.0	0.370033	Y
6	IC 410-518132/8	499.98492	203.54944	50.0	77477.0	0.407111	Y
7	IC 410-518132/9	1249.9623	594.036485	50.0	86283.0	0.475244	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-518132/13	GU14X12.D
Level 2	IC 410-518132/14	GU14X13.D
Level 3	IC 410-518132/15	GU14X14.D
Level 4	IC 410-518132/16	GU14X15.D
Level 5	IC 410-518132/17	GU14X16.D
Level 6	ICIS 410-518132/18	GU14X17.D
Level 7	IC 410-518132/19	GU14X18.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	0.3593 0.3367	0.3436 0.3231	0.3139	0.3348	0.3274	Ave		0.334 1			0.1000	4.4		20.0			
Chloromethane	0.3812 0.3947	0.4086 0.3856	0.3785	0.4208	0.3893	Ave		0.394 1			0.1000	3.9		20.0			
1,3-Butadiene	0.3739 0.3602	0.3750 0.3607	0.3465	0.3715	0.3568	Ave		0.363 5				2.9		20.0			
Vinyl chloride	0.3978 0.3727	0.3978 0.3631	0.3482	0.3924	0.3679	Ave		0.377 1			0.1000	5.1		20.0			
Bromomethane	0.2575 0.2252	0.2452 0.2165	0.2169	0.2454	0.2263	Ave		0.233 3			0.1000	6.9		20.0			
Chloroethane	0.2284 0.2100	0.2223 0.2035	0.2042	0.2312	0.2106	Ave		0.215 8			0.1000	5.3		20.0			
Dichlorofluoromethane	0.5916 0.5422	0.5922 0.5226	0.5278	0.5950	0.5424	Ave		0.559 1			0.1000	5.8		20.0			
Trichlorofluoromethane	0.4127 0.3911	0.4003 0.3703	0.3554	0.3945	0.3809	Ave		0.386 5			0.1000	5.0		20.0			
Ethyl ether	0.1382 0.1561	0.1483 0.1500	0.1437	0.1528	0.1525	Ave		0.148 8				4.1		20.0			
Freon 123a	0.3288 0.3139	0.3328 0.2994	0.2981	0.3336	0.3088	Ave		0.316 5				4.8		20.0			
Acrolein	2.1180 2.3244	2.3378 2.4468	2.0192	2.1657	2.1012	Ave		2.216 2				7.0		20.0			
1,1-Dichloroethene	0.2297 0.2033	0.2101 0.1953	0.1924	0.2153	0.1996	Ave		0.206 5			0.1000	6.3		20.0			
Acetone	2.6917 2.9250	2.7249 2.5745	2.4315	3.0817	2.3917	Ave		2.688 7			0.1000	9.3		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 Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

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	0.2225 0.2237	0.2110 0.2158	0.2070	0.2215	0.2206	Ave		0.217 4			0.1000	2.9		20.0			
Methyl iodide	0.3804 0.3809	0.3796 0.3612	0.3462	0.3860	0.3680	Ave		0.371 7				3.8		20.0			
Ethyl bromide	0.1683 0.1848	0.1861 0.1756	0.1738	0.1829	0.1786	Ave		0.178 6				3.6		20.0			
Carbon disulfide	0.7655 0.7504	0.7730 0.7221	0.6720	0.7674	0.7209	Ave		0.738 8			0.1000	4.9		20.0			
Methyl acetate	8.6862 8.7657	6.2558 7.5563	6.3138	7.0225	6.6450	Ave		7.320 8			0.1000	14.4		20.0			
Allyl chloride	++++ 0.3894	0.3827 0.3887	0.3661	0.3985	0.3785	Ave		0.384 0				2.9		20.0			
Methylene Chloride	0.2686 0.2361	0.2544 0.2238	0.2264	0.2414	0.2304	Ave		0.240 2			0.1000	6.8		20.0			
t-Butyl alcohol	0.8609 0.8961	0.9872 0.8848	0.8263	0.8420	0.8420	Ave		0.877 0				6.2		20.0			
Acrylonitrile	++++ 4.4387	3.5300 4.3074	3.6214	3.9261	4.0097	Ave		3.972 2				9.1		20.0			
Methyl tertiary butyl ether	0.4927 0.5100	0.4836 0.4941	0.4548	0.4864	0.4935	Ave		0.487 9			0.1000	3.4		20.0			
trans-1,2-Dichloroethene	0.2741 0.2467	0.2534 0.2354	0.2323	0.2578	0.2413	Ave		0.248 7			0.1000	5.8		20.0			
n-Hexane	0.3229 0.3602	0.3184 0.3473	0.3078	0.3320	0.3389	Ave		0.332 5				5.4		20.0			
1,1-Dichloroethane	0.4594 0.4735	0.4772 0.4509	0.4461	0.4811	0.4569	Ave		0.463 6			0.2000	2.9		20.0			
di-Isopropyl ether	0.7772 0.8345	0.7642 0.8262	0.7366	0.7986	0.7991	Ave		0.790 9				4.4		20.0			
2-Chloro-1,3-butadiene	0.3269 0.3844	0.3501 0.3851	0.3278	0.3751	0.3673	Ave		0.359 5				6.9		20.0			
Ethyl t-butyl ether	0.6415 0.6958	0.6481 0.6840	0.6084	0.6612	0.6656	Ave		0.657 8				4.4		20.0			
2-Butanone	4.4678 5.0033	5.2695 5.2160	4.6867	4.7937	4.5536	Ave		4.855 8			0.1000	6.5		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 Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.3044 0.2780	0.2802 0.2660	0.2553	0.2825	0.2652	Ave		0.275 9			0.1000	5.8		20.0			
2,2-Dichloropropane	0.3928 0.3804	0.3792 0.3723	0.3547	0.4005	0.3758	Ave		0.379 4				3.9		20.0			
Propionitrile	1.0037 1.4563	1.3314 1.4935	1.2490	1.4322	1.3886	Ave		1.336 4				12.6		20.0			
Methacrylonitrile	4.2713 5.4080	5.0160 5.3902	4.7023	5.0654	5.0463	Ave		4.985 6				8.0		20.0			
Bromochloromethane	0.0960 0.1061	0.1029 0.1010	0.0950	0.1043	0.1025	Ave		0.101 1				4.1		20.0			
Tetrahydrofuran	0.8084 1.3685	1.1192 1.4142	1.2348	1.3495	1.2921	Ave		1.226 7				17.0		20.0			
Chloroform	0.5334 0.4544	0.4817 0.4393	0.4447	0.4674	0.4446	Ave		0.466 5			0.2000	7.1		20.0			
1,1,1-Trichloroethane	0.3811 0.3804	0.3895 0.3688	0.3512	0.3928	0.3717	Ave		0.376 5			0.1000	3.7		20.0			
Cyclohexane	0.4121 0.4568	0.4071 0.4474	0.3866	0.4318	0.4345	Ave		0.425 2			0.1000	5.8		20.0			
Carbon tetrachloride	0.3133 0.3315	0.3225 0.3249	0.2938	0.3378	0.3200	Ave		0.320 5			0.1000	4.4		20.0			
1,1-Dichloropropene	0.3553 0.3604	0.3408 0.3562	0.3240	0.3627	0.3453	Ave		0.349 2				3.9		20.0			
Isobutyl alcohol	0.0029 0.0028	0.0024 0.0030	0.0024	0.0027	0.0025	Ave		0.002 7				8.7		20.0			
Benzene	1.0657 1.0630	1.0516 1.0356	0.9819	1.0917	1.0352	Ave		1.046 4			0.5000	3.3		20.0			
1,2-Dichloroethane	0.2498 0.2421	0.2451 0.2455	0.2262	0.2419	0.2440	Ave		0.242 1			0.1000	3.1		20.0			
t-Amyl methyl ether	0.5088 0.5871	0.5392 0.5741	0.5076	0.5490	0.5606	Ave		0.546 6				5.6		20.0			
n-Heptane	0.4116 0.3951	0.3730 0.3830	0.3612	0.3668	0.3751	Ave		0.380 8				4.6		20.0			
n-Butanol	+++++ 0.2818	0.1820 0.2909	0.1874	0.2227	0.2408	Ave		0.234 3				19.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Trichloroethene	0.2635 0.2731	0.2784 0.2672	0.2495	0.2814	0.2657	Ave		0.268 4			0.2000	4.0		20.0			
Methylcyclohexane	0.4335 0.4733	0.4191 0.4600	0.4030	0.4340	0.4547	Ave		0.439 7			0.1000	5.6		20.0			
1,2-Dichloropropane	0.2625 0.2769	0.2583 0.2711	0.2519	0.2757	0.2682	Ave		0.266 4			0.1000	3.5		20.0			
1,4-Dioxane	++++ 0.0841	++++ 0.0791	0.0422	0.0658	0.0746	Lin	-1.02 6	0.080 6			0.0050				0.9980		0.9900
Dibromomethane	0.0982 0.1087	0.1032 0.1072	0.0976	0.1067	0.1056	Ave		0.103 9				4.3		20.0			
Methyl methacrylate	6.4541 9.6214	8.0951 10.259	7.9428	9.0875	9.1124	Ave		8.653 2				14.6		20.0			
Bromodichloromethane	0.2795 0.3077	0.2874 0.3026	0.2746	0.2988	0.2978	Ave		0.292 6			0.2000	4.2		20.0			
2-Nitropropane	2.7601 2.8387	2.8866 3.0340	2.5952	2.7911	2.6402	Ave		2.792 3				5.3		20.0			
1-Bromo-2-chloroethane	0.1813 0.2292	0.2104 0.2263	0.2070	0.2196	0.2211	Ave		0.213 6				7.6		20.0			
cis-1,3-Dichloropropene	0.3081 0.3940	0.3423 0.3862	0.3254	0.3685	0.3687	Ave		0.356 2			0.2000	8.9		20.0			
4-Methyl-2-pentanone	9.7268 13.494	11.719 13.952	11.130	12.511	12.297	Ave		12.11 9			0.1000	11.8		20.0			
Toluene	0.9381 0.9516	0.9236 0.9167	0.8547	0.9684	0.9189	Ave		0.924 6			0.4000	3.9		20.0			
trans-1,3-Dichloropropene	0.3469 0.4273	0.3677 0.4269	0.3551	0.3930	0.3991	Ave		0.388 0			0.1000	8.4		20.0			
Ethyl methacrylate	0.1800 0.2959	0.1988 0.3091	0.2126	0.2481	0.2646	Ave		0.244 2				20.1	*	20.0			
1,1,2-Trichloroethane	0.2025 0.2137	0.2168 0.2047	0.1971	0.2144	0.2078	Ave		0.208 1			0.1000	3.5		20.0			
Tetrachloroethene	0.3959 0.4046	0.3931 0.3828	0.3658	0.4153	0.3898	Ave		0.392 5			0.2000	4.0		20.0			
1,3-Dichloropropane	0.3647 0.3914	0.3756 0.3848	0.3462	0.3828	0.3778	Ave		0.374 7				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 Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	+++++ 8.9634	6.1624 9.4315	6.6959	7.4645	7.9294	Ave		7.774 5			0.1000	16.3		20.0			
Dibromochloromethane	0.2306 0.2746	0.2365 0.2683	0.2312	0.2535	0.2592	Ave		0.250 5				7.2		20.0			
1,2-Dibromoethane	0.1631 0.2009	0.1819 0.1938	0.1731	0.1911	0.1909	Ave		0.185 0			0.1000	7.1		20.0			
1-Chlorohexane	0.5568 0.5320	0.5085 0.5214	0.4738	0.5322	0.5107	Ave		0.519 3				5.0		20.0			
Chlorobenzene	1.0435 1.0458	1.0326 1.0017	0.9522	1.0808	1.0087	Ave		1.023 6			0.5000	4.0		20.0			
1,1,1,2-Tetrachloroethane	0.3406 0.3536	0.3377 0.3415	0.3073	0.3449	0.3407	Ave		0.338 0				4.3		20.0			
Ethylbenzene	1.6835 1.8750	1.7584 1.8428	1.6370	1.8848	1.8037	Ave		1.783 6			0.1000	5.3		20.0			
m&p-Xylene	0.6389 0.7348	0.6715 0.7145	0.6277	0.7339	0.7014	Ave		0.689 0			0.1000	6.4		20.0			
o-Xylene	0.6105 0.7245	0.6328 0.7003	0.6174	0.7061	0.6905	Ave		0.668 9			0.3000	7.0		20.0			
Styrene	0.8798 1.1400	0.9170 1.1277	0.8942	1.0749	1.0617	Ave		1.013 6			0.3000	11.1		20.0			
Bromoform	0.1250 0.1469	0.1261 0.1457	0.1214	0.1343	0.1379	Ave		0.133 9			0.1000	7.6		20.0			
Isopropylbenzene	1.4742 1.7444	1.5334 1.6905	1.4534	1.7138	1.6467	Ave		1.608 1			0.1000	7.4		20.0			
1,1,2,2-Tetrachloroethane	0.4497 0.4809	0.4570 0.4533	0.4247	0.4648	0.4488	Ave		0.454 2			0.3000	3.8		20.0			
Bromobenzene	0.7242 0.7409	0.7152 0.6817	0.6580	0.7567	0.7032	Ave		0.711 4				4.8		20.0			
trans-1,4-Dichloro-2-butene	3.9158 5.4328	4.3905 5.7951	4.5705	4.9423	4.9325	Ave		4.854 2				13.1		20.0			
1,2,3-Trichloropropane	0.1074 0.1203	0.1158 0.1137	0.1074	0.1210	0.1132	Ave		0.114 1				4.8		20.0			
N-Propylbenzene	3.8322 4.1130	3.8664 3.8793	3.6250	4.2284	3.8820	Ave		3.918 0				5.0		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 Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	0.7530 0.8147	0.7818 0.7590	0.7408	0.8389	0.7798	Ave		0.781 1				4.5		20.0			
1,3,5-Trimethylbenzene	2.5530 2.9388	2.6504 2.7857	2.4749	2.9235	2.7349	Ave		2.723 n				6.5		20.0			
4-Chlorotoluene	0.7708 0.8470	0.7749 0.7930	0.7688	0.8875	0.7859	Ave		0.804 n				5.7		20.0			
tert-Butylbenzene	0.5721 0.6615	0.6064 0.6103	0.5660	0.6607	0.6082	Ave		0.612 2				6.2		20.0			
Pentachloroethane	0.3670 0.4716	0.3978 0.4413	0.4056	0.4255	0.4356	Ave		0.420 6				8.1		20.0			
1,2,4-Trimethylbenzene	2.4955 3.0470	2.6994 2.8655	2.5109	2.9845	2.8063	Ave		2.772 7				7.8		20.0			
sec-Butylbenzene	3.4211 3.8123	3.4764 3.5873	3.2290	3.7798	3.5595	Ave		3.552 2				5.7		20.0			
1,3-Dichlorobenzene	1.4371 1.5928	1.4858 1.4872	1.3987	1.6722	1.5038	Ave		1.511 1			0.6000	6.2		20.0			
p-Isopropyltoluene	2.7168 3.3031	2.8770 3.1077	2.7236	3.2897	3.0760	Ave		3.013 4				8.2		20.0			
1,4-Dichlorobenzene	1.6592 1.5997	1.6094 1.5459	1.5071	1.7477	1.5493	Ave		1.602 6			0.5000	5.1		20.0			
1,2,3-Trimethylbenzene	1.1989 1.3057	1.2632 1.2658	1.1401	1.3381	1.2419	Ave		1.250 5				5.3		20.0			
Benzyl chloride	0.1124 0.2035	0.1508 0.1968	0.1507	0.1744	0.1786	Ave		0.166 7				18.8		20.0			
n-Butylbenzene	1.2128 1.7616	1.6428 1.6919	1.4132	1.7642	1.6215	Ave		1.586 9				12.8		20.0			
1,2-Dichlorobenzene	1.2751 1.4031	1.3268 1.3388	1.2792	1.4347	1.3167	Ave		1.339 2			0.4000	4.5		20.0			
1,2-Dibromo-3-Chloropropane	++++ 0.0576	0.0355 0.0578	0.0427	0.0540	0.0523	Ave		0.050 n		*	0.0500	17.9		20.0			
1,3,5-Trichlorobenzene	1.1544 1.2295	1.2002 1.1552	1.0737	1.3707	1.1781	Ave		1.194 5				7.7		20.0			
1,2,4-Trichlorobenzene	0.9099 0.9553	0.8593 0.9025	0.8248	1.0747	0.9169	Ave		0.920 5			0.2000	8.7		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 Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.5274 0.5241	0.5163 0.4741	0.4538	0.5762	0.4928	Ave		0.509 2				7.9		20.0			
Naphthalene	1.1207 1.3353	1.1369 1.2922	1.0235	1.3707	1.2534	Ave		1.219 n				10.5		20.0			
1,2,3-Trichlorobenzene	0.6228 0.7103	0.6765 0.6671	0.6248	0.8239	0.6793	Ave		0.686 4				9.9		20.0			
Dibromofluoromethane (Surr)	0.2292 0.2296	0.2319 0.2308	0.2310	0.2316	0.2281	Ave		0.230 3				0.6		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0445 0.0438	0.0441 0.0436	0.0445	0.0438	0.0439	Ave		0.044 n				0.8		20.0			
Toluene-d8 (Surr)	1.3744 1.3736	1.3714 1.3788	1.3780	1.3781	1.3670	Ave		1.374 5				0.3		20.0			
4-Bromofluorobenzene (Surr)	0.4814 0.5012	0.4808 0.5021	0.4941	0.4908	0.4957	Ave		0.492 3				1.7		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 Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-518132/13	GU14X12.D
Level 2	IC 410-518132/14	GU14X13.D
Level 3	IC 410-518132/15	GU14X14.D
Level 4	IC 410-518132/16	GU14X15.D
Level 5	IC 410-518132/17	GU14X16.D
Level 6	ICIS 410-518132/18	GU14X17.D
Level 7	IC 410-518132/19	GU14X18.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	13753 652871	31115 1743989	60852	122936	314914	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	14591 765485	36999 2081403	73393	154497	374498	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	14309 698566	33958 1947113	67181	136409	343217	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	15226 722668	36022 1960376	67514	144095	353887	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	9855 436746	22203 1168941	42057	90118	217663	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	8742 407244	20128 1098795	39596	84890	202602	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	22644 1051500	53623 2821030	102326	218483	521722	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	15797 758457	36249 1998733	68909	144847	366393	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	5289 302748	13427 809720	27859	56085	146638	0.200 10.00	0.500 25.0	1.000	2.00	5.00
Freon 123a	FB	Ave	12586 608671	30136 1616436	57792	122493	297027	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd1 0	Ave	37706 2080142	87000 6019187	172736	363153	970743	10.0 501	25.1 1253	50.1	100	251
1,1-Dichloroethene	FB	Ave	8792 394235	19027 1054108	37307	79061	192023	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd1 0	Ave	9563 522365	20237 1263892	41511	103122	220505	2.00 100	5.00 250	10.0	20.0	50.0
Freon 113	FB	Ave	8515 433707	19102 1165128	40127	81322	212233	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

Analy Batch No.: 518132

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl iodide	FB	Ave	14558 738562	34376 1949622	67115	141719	353978	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl bromide	FB	Ave	6452 358942	16878 949671	33759	67254	172074	0.200 10.0	0.501 25.0	1.00	2.00	5.01
Carbon disulfide	FB	Ave	29299 1455250	69997 3897895	130290	281786	693406	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd1 0	Ave	3086 156545	4646 370959	10779	23499	61264	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	++++ 755129	34656 2098484	70983	146311	364060	++++ 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	10279 457884	23039 1208144	43890	88635	221580	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd1 0	Ave	6117 320060	14664 868711	28212	56351	155253	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd1 0	Ave	++++ 198175	6554 528657	15456	32844	92420	++++ 25.0	1.25 62.5	2.50	5.00	12.5
Methyl tertiary butyl ether	FB	Ave	18856 988913	43791 2667442	88178	178594	474692	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,2-Dichloroethene	FB	Ave	10491 478439	22944 1270789	45031	94644	232114	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	12360 698483	28827 1875073	59674	121910	325984	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	17584 918164	43209 2433938	86494	176654	439483	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	29746 1618338	69199 4460307	142821	293229	768618	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	12513 745420	31698 2079038	63561	137738	353311	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	24552 1349210	58683 3692332	117961	242764	640227	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone	TBAd1 0	Ave	15873 893538	39135 2560687	80012	160410	419822	2.00 100	5.00 250	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	11649 539193	25371 1435821	49497	103713	255118	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	15033 737719	34336 2009646	68776	147069	361466	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 Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propionitrile	TBAd1 0	Ave	7132 520161	19776 1466432	42647	95847	256049	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd1 0	Ave	15175 965809	37252 2646178	80277	169501	465248	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	3676 205771	9320 544983	18422	38292	98570	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd1 0	Ave	1436 122202	4156 347132	10540	22579	59564	1.00 50.0	2.50 125	5.00	10.0	25.0
Chloroform	FB	Ave	20414 881255	43620 2371324	86223	171600	427692	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	14587 737626	35273 1990932	68094	144224	357499	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	15771 885918	36858 2414916	74959	158551	417924	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	11991 642761	29199 1754113	56960	124047	307785	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	13598 698820	30856 1922680	62821	133168	332158	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	FB	Ave	5612 275473	11066 801584	23302	50175	121409	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	40789 2061365	95220 5590189	190364	400830	995763	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	9560 469459	22192 1325246	43853	88804	234696	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	19472 1138429	48825 3099276	98419	201594	539204	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	15752 766082	33772 2067317	70035	134670	360809	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butanol	TBAd1 0	Ave	++++ 440385	11827 1249619	27987	65193	194267	++++ 875	43.8 2188	87.5	175	438
Trichloroethene	FB	Ave	10086 529657	25211 1442180	48382	103310	255534	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	16591 917911	37952 2483032	78124	159353	437375	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	10046 536969	23391 1463429	48847	101243	258020	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

Analy Batch No.: 518132

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dioxane	TBA01	Lin	++++ 75119	++++ 194066	3606	11007	34396	++++ 500	++++ 1250	50.0	100	250
Dibromomethane	FB	Ave	3758 210829	9348 578809	18917	39167	101573	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl methacrylate	TBA01	Ave	2293 171827	6012 503643	13560	30409	84013	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromodichloromethane	FB	Ave	10697 596741	26020 1633336	53248	109710	286412	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBA01	Ave	4903 253480	10719 744733	22153	46699	121709	1.00 50.0	2.50 125	5.00	10.0	25.0
1-Bromo-2-chloroethane	FB	Ave	6940 444426	19055 1221646	40124	80619	212668	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,3-Dichloropropene	FB	Ave	11793 764058	30999 2084758	63091	135307	354611	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone	TBA01	Ave	34557 2409855	87033 6849355	190008	418659	1133717	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd5	Ave	25778 1323757	60116 3528902	119088	256523	638621	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	9533 594451	23935 1643467	49472	104112	277348	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	4946 411667	12941 1189790	29628	65723	183884	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	5565 297245	14110 788043	27456	56804	144418	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrachloroethene	CBZd5	Ave	10879 562871	25584 1473484	50972	110023	270881	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichloropropane	CBZd5	Ave	10021 544473	24447 1481148	48230	101400	262572	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Hexanone	TBA01	Ave	++++ 1600756	45766 4630166	114312	249781	731060	++++ 100	5.00 250	10.0	20.0	50.0
Dibromochloromethane	CBZd5	Ave	6337 382060	15393 1032653	32207	67155	180111	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromoethane	CBZd5	Ave	4481 279481	11838 745995	24124	50615	132657	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1-Chlorohexane	CBZd5	Ave	15299 740013	33096 2006926	66021	140991	354933	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 Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZd5	Ave	28673 1454835	67207 3856069	132670	286310	701021	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	9359 491967	21982 1314565	42821	91358	236746	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd5	Ave	46261 2608356	114454 7093858	228091	499285	1253534	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd5	Ave	35112 2044458	87408 5500949	174926	388810	974862	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd5	Ave	16776 1007916	41191 2695709	86026	187055	479845	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Styrene	CBZd5	Ave	24175 1585939	59686 4341132	124592	284750	737821	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromoform	CBZd5	Ave	3436 204303	8209 561050	16911	35574	95823	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isopropylbenzene	CBZd5	Ave	40509 2426696	99805 6507518	202507	453987	1144402	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd4	Ave	6517 369778	15996 998688	32090	67788	174837	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromobenzene	DCBd4	Ave	10495 569732	25034 1501861	49716	110353	273935	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	TBA d1 0	Ave	13912 970224	32607 2844972	78028	165380	454757	2.00 100	5.00 250	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	1557 92545	4052 250582	8113	17651	44079	0.200 10.0	0.500 25.0	1.00	2.00	5.00
N-Propylbenzene	DCBd4	Ave	55534 3162914	135338 8546107	273877	616639	1512202	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chlorotoluene	DCBd4	Ave	10912 626518	27366 1671984	55968	122342	303774	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd4	Ave	36996 2259935	92774 6136784	186986	426351	1065358	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Chlorotoluene	DCBd4	Ave	11170 651322	27126 1746862	58089	129432	306136	0.200 10.0	0.500 25.0	1.00	2.00	5.00
tert-Butylbenzene	DCBd4	Ave	8290 508717	21226 1344542	42765	96359	236926	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Pentachloroethane	DCBd4	Ave	5319 362687	13923 972177	30643	62057	169681	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd4	Ave	36163 2343118	94488 6312551	189710	435236	1093172	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd4	Ave	49577	121687	243959	551224	1386571	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 Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

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
			2931630	7902661				10.0	25.0			
1,3-Dichlorobenzene	DCBd4	Ave	20826 1224867	52009 3276196	105675	243869	585789	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd4	Ave	39370 2540098	100705 6846221	205773	479755	1198228	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd4	Ave	24044 1230205	56336 3405661	113868	254873	603526	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd4	Ave	17374 1004074	44216 2788453	86140	195147	483779	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd4	Ave	1629 156518	5279 433576	11383	25430	69577	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd4	Ave	17575 1354656	57506 3727169	106771	257286	631623	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd4	Ave	18478 1078983	46444 2949435	96646	209229	512899	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	++++ 44260	1244 127384	3226	7875	20378	++++ 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd4	Ave	16729 945482	42011 2544825	81120	199893	458921	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trichlorobenzene	DCBd4	Ave	13186 734644	30078 1988190	62317	156726	357158	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Hexachlorobutadiene	DCBd4	Ave	7643 403004	18073 1044472	34286	84030	191947	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Naphthalene	DCBd4	Ave	16241 1026854	39795 2846648	77326	199896	488255	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trichlorobenzene	DCBd4	Ave	9025 546238	23679 1469599	47205	120153	264622	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromofluoromethane (Surr)	FB	Ave	438597 445215	419931 498293	447834	425193	438784	10.0 10.0	10.0 10.0	10.0	10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	85238 84917	79809 94077	86292	80363	84544	10.0 10.0	10.0 10.0	10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	1888353 1910847	1785281 2123104	1920028	1825330	1900061	10.0 10.0	10.0 10.0	10.0	10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	661410 697219	625942 773088	688407	650092	688981	10.0 10.0	10.0 10.0	10.0	10.0	10.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-518132/13	GU14X12.D
Level 2	IC 410-518132/14	GU14X13.D
Level 3	IC 410-518132/15	GU14X14.D
Level 4	IC 410-518132/16	GU14X15.D
Level 5	IC 410-518132/17	GU14X16.D
Level 6	ICIS 410-518132/18	GU14X17.D
Level 7	IC 410-518132/19	GU14X18.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	7.6 -3.3	2.8	-6.1	0.2	-2.0	0.8	50 30	30	30	30	30	30
Chloromethane	-3.3 -2.2	3.7	-4.0	6.8	-1.2	0.2	50 30	30	30	30	30	30
1,3-Butadiene	2.8 -0.8	3.2	-4.7	2.2	-1.8	-0.9	50 30	30	30	30	30	30
Vinyl chloride	5.5 -3.7	5.5	-7.7	4.1	-2.4	-1.2	50 30	30	30	30	30	30
Bromomethane	10.4 -7.2	5.1	-7.0	5.2	-3.0	-3.5	50 30	30	30	30	30	30
Chloroethane	5.9 -5.7	3.0	-5.3	7.2	-2.4	-2.7	50 30	30	30	30	30	30
Dichlorofluoromethane	5.8 -6.5	5.9	-5.6	6.4	-3.0	-3.0	50 30	30	30	30	30	30
Trichlorofluoromethane	6.8 -4.2	3.6	-8.0	2.1	-1.4	1.2	50 30	30	30	30	30	30
Ethyl ether	-7.1 0.8	-0.3	-3.4	2.7	2.5	4.9	50 30	30	30	30	30	30
Freon 123a	3.9 -5.4	5.2	-5.8	5.4	-2.4	-0.8	50 30	30	30	30	30	30
Acrolein	-4.4 10.4	5.5	-8.9	-2.3	-5.2	4.9	50 30	30	30	30	30	30
1,1-Dichloroethene	11.2 -5.5	1.7	-6.8	4.3	-3.3	-1.6	50 30	30	30	30	30	30
Acetone	0.1 -4.2	1.3	-9.6	14.6	-11.0	8.8	50 30	30	30	30	30	30
Freon 113	2.3 -0.7	-3.0	-4.8	1.9	1.5	2.9	50 30	30	30	30	30	30
Methyl iodide	2.3 -2.8	2.1	-6.9	3.8	-1.0	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 Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Ethyl bromide	-5.8 -1.7	4.2	-2.7	2.4	0.0	3.5	50 30	30	30	30	30	30
Carbon disulfide	3.6 -2.3	4.6	-9.0	3.9	-2.4	1.6	50 30	30	30	30	30	30
Methyl acetate	18.7 3.2	-14.5	-13.8	-4.1	-9.2	19.7	50 30	30	30	30	30	30
Allyl chloride	++++ 1.2	-0.3	-4.7	3.8	-1.4	1.4	30	50	30	30	30	30
Methylene Chloride	11.8 -6.8	5.9	-5.7	0.5	-4.1	-1.7	50 30	30	30	30	30	30
t-Butyl alcohol	-1.8 0.9	12.6	-5.8	-4.0	-4.0	2.2	50 30	30	30	30	30	30
Acrylonitrile	++++ 8.4	-11.1	-8.8	-1.2	0.9	11.7	30	50	30	30	30	30
Methyl tertiary butyl ether	1.0 1.3	-0.9	-6.8	-0.3	1.2	4.5	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	10.2 -5.3	1.9	-6.6	3.6	-3.0	-0.8	50 30	30	30	30	30	30
n-Hexane	-2.9 4.5	-4.3	-7.4	-0.1	1.9	8.3	50 30	30	30	30	30	30
1,1-Dichloroethane	-0.9 -2.7	2.9	-3.8	3.8	-1.4	2.1	50 30	30	30	30	30	30
di-Isopropyl ether	-1.7 4.5	-3.4	-6.9	1.0	1.0	5.5	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-9.1 7.1	-2.6	-8.8	4.3	2.2	6.9	50 30	30	30	30	30	30
Ethyl t-butyl ether	-2.5 4.0	-1.5	-7.5	0.5	1.2	5.8	50 30	30	30	30	30	30
2-Butanone	-8.0 7.4	8.5	-3.5	-1.3	-6.2	3.0	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	10.3 -3.6	1.5	-7.5	2.4	-3.9	0.8	50 30	30	30	30	30	30
2,2-Dichloropropane	3.5 -1.9	-0.1	-6.5	5.6	-0.9	0.3	50 30	30	30	30	30	30
Propionitrile	-24.9 11.8	-0.4	-6.5	7.2	3.9	9.0	50 30	30	30	30	30	30
Methacrylonitrile	-14.3 8.1	0.6	-5.7	1.6	1.2	8.5	50 30	30	30	30	30	30
Bromochloromethane	-5.0 -0.2	1.8	-6.0	3.1	1.3	4.9	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 Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Tetrahydrofuran	-34.1 15.3	-8.8	0.7	10.0	5.3	11.6	50 30	30	30	30	30	30
Chloroform	14.3 -5.8	3.3	-4.7	0.2	-4.7	-2.6	50 30	30	30	30	30	30
1,1,1-Trichloroethane	1.2 -2.0	3.5	-6.7	4.3	-1.3	1.0	50 30	30	30	30	30	30
Cyclohexane	-3.1 5.2	-4.3	-9.1	1.6	2.2	7.4	50 30	30	30	30	30	30
Carbon tetrachloride	-2.3 1.4	0.6	-8.3	5.4	-0.2	3.4	50 30	30	30	30	30	30
1,1-Dichloropropene	1.7 2.0	-2.4	-7.2	3.9	-1.1	3.2	50 30	30	30	30	30	30
Isobutyl alcohol	8.9 10.3	-9.2	-10.7	1.5	-6.2	5.5	50 30	30	30	30	30	30
Benzene	1.9 -1.0	0.5	-6.2	4.3	-1.1	1.6	50 30	30	30	30	30	30
1,2-Dichloroethane	3.2 1.4	1.2	-6.6	-0.1	0.8	0.0	50 30	30	30	30	30	30
t-Amyl methyl ether	-6.9 5.0	-1.4	-7.1	0.4	2.6	7.4	50 30	30	30	30	30	30
n-Heptane	8.1 0.6	-2.1	-5.1	-3.7	-1.5	3.7	50 30	30	30	30	30	30
n-Butanol	++++ 24.2	-22.3	-20.0	-5.0	2.8	20.3	30	50	30	30	30	30
Trichloroethene	-1.8 -0.5	3.7	-7.0	4.8	-1.0	1.8	50 30	30	30	30	30	30
Methylcyclohexane	-1.4 4.6	-4.7	-8.3	-1.3	3.4	7.7	50 30	30	30	30	30	30
1,2-Dichloropropane	-1.5 1.8	-3.0	-5.4	3.5	0.7	3.9	50 30	30	30	30	30	30
1,4-Dioxane	++++ -0.9	++++	-22.2	-5.7	-2.4	6.9	30		50	30	30	30
Dibromomethane	-5.5 3.2	-0.6	-6.1	2.7	1.6	4.7	50 30	30	30	30	30	30
Methyl methacrylate	-25.4 18.6	-6.4	-8.2	5.0	5.3	11.2	50 30	30	30	30	30	30
Bromodichloromethane	-4.5 3.4	-1.8	-6.1	2.1	1.8	5.2	50 30	30	30	30	30	30
2-Nitropropane	-1.2 8.7	3.4	-7.1	0.0	-5.4	1.7	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 Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1-Bromo-2-chloroethane	-15.1 6.0	-1.5	-3.1	2.8	3.5	7.3	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-13.5 8.4	-3.9	-8.6	3.5	3.5	10.6	50 30	30	30	30	30	30
4-Methyl-2-pentanone	-19.7 15.1	-3.3	-8.2	3.2	1.5	11.3	50 30	30	30	30	30	30
Toluene	1.5 -0.8	-0.1	-7.6	4.7	-0.6	2.9	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-10.6 10.0	-5.2	-8.5	1.3	2.9	10.1	50 30	30	30	30	30	30
Ethyl methacrylate	-26.3 26.6	-18.6	-12.9	1.6	8.4	21.2	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-2.7 -1.6	4.2	-5.3	3.0	-0.2	2.7	50 30	30	30	30	30	30
Tetrachloroethene	0.9 -2.5	0.2	-6.8	5.8	-0.7	3.1	50 30	30	30	30	30	30
1,3-Dichloropropane	-2.7 2.7	0.2	-7.6	2.1	0.8	4.4	50 30	30	30	30	30	30
2-Hexanone	+++++ 21.3	-20.7	-13.9	-4.0	2.0	15.3	30	50	30	30	30	30
Dibromochloromethane	-8.0 7.1	-5.6	-7.7	1.2	3.4	9.6	50 30	30	30	30	30	30
1,2-Dibromoethane	-11.8 4.8	-1.7	-6.4	3.3	3.2	8.6	50 30	30	30	30	30	30
1-Chlorohexane	7.2 0.4	-2.1	-8.8	2.5	-1.7	2.4	50 30	30	30	30	30	30
Chlorobenzene	1.9 -2.1	0.9	-7.0	5.6	-1.5	2.2	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	0.8 1.0	-0.1	-9.1	2.0	0.8	4.6	50 30	30	30	30	30	30
Ethylbenzene	-5.6 3.3	-1.4	-8.2	5.7	1.1	5.1	50 30	30	30	30	30	30
m&p-Xylene	-7.3 3.7	-2.5	-8.9	6.5	1.8	6.7	50 30	30	30	30	30	30
o-Xylene	-8.7 4.7	-5.4	-7.7	5.6	3.2	8.3	50 30	30	30	30	30	30
Styrene	-13.2 11.3	-9.5	-11.8	6.0	4.7	12.5	50 30	30	30	30	30	30
Bromoform	-6.6 8.8	-5.8	-9.4	0.3	3.0	9.7	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 Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Isopropylbenzene	-8.3 5.1	-4.6	-9.6	6.6	2.4	8.5	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-1.0 -0.2	0.6	-6.5	2.3	-1.2	5.9	50 30	30	30	30	30	30
Bromobenzene	1.8 -4.2	0.5	-7.5	6.4	-1.2	4.1	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-19.3 19.4	-9.6	-5.8	1.8	1.6	11.9	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-5.9 -0.3	1.4	-5.9	6.1	-0.8	5.5	50 30	30	30	30	30	30
N-Propylbenzene	-2.2 -1.0	-1.3	-7.5	7.9	-0.9	5.0	50 30	30	30	30	30	30
2-Chlorotoluene	-3.6 -2.8	0.1	-5.2	7.4	-0.2	4.3	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-6.2 2.3	-2.7	-9.1	7.4	0.4	7.9	50 30	30	30	30	30	30
4-Chlorotoluene	-4.1 -1.4	-3.6	-4.4	10.4	-2.3	5.3	50 30	30	30	30	30	30
tert-Butylbenzene	-6.6 -0.3	-0.9	-7.5	7.9	-0.6	8.1	50 30	30	30	30	30	30
Pentachloroethane	-12.7 4.9	-5.4	-3.6	1.2	3.6	12.1	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-10.0 3.3	-2.6	-9.4	7.6	1.2	9.9	50 30	30	30	30	30	30
sec-Butylbenzene	-3.7 1.0	-2.1	-9.1	6.4	0.2	7.3	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-4.9 -1.6	-1.7	-7.4	10.7	-0.5	5.4	50 30	30	30	30	30	30
p-Isopropyltoluene	-9.8 3.1	-4.5	-9.6	9.2	2.1	9.6	50 30	30	30	30	30	30
1,4-Dichlorobenzene	3.5 -3.5	0.4	-6.0	9.1	-3.3	-0.2	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-4.1 1.2	1.0	-8.8	7.0	-0.7	4.4	50 30	30	30	30	30	30
Benzyl chloride	-32.6 18.0	-9.6	-9.6	4.6	7.1	22.1	50 30	30	30	30	30	30
n-Butylbenzene	-23.6 6.6	3.5	-10.9	11.2	2.2	11.0	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-4.8 0.0	-0.9	-4.5	7.1	-1.7	4.8	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1 Analy Batch No.: 518132
Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:22 Calibration End Date: 06/15/2024 00:34 Calibration ID: 62917

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,2-Dibromo-3-Chloropropane	+++++ 15.7	-28.9	-14.6	8.0	4.7	15.1	30	50	30	30	30	30
1,3,5-Trichlorobenzene	-3.4 -3.3	0.5	-10.1	14.7	-1.4	2.9	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-1.1 -2.0	-6.6	-10.4	16.8	-0.4	3.8	50 30	30	30	30	30	30
Hexachlorobutadiene	3.6 -6.9	1.4	-10.9	13.1	-3.2	2.9	50 30	30	30	30	30	30
Naphthalene	-8.1 6.0	-6.7	-16.0	12.4	2.8	9.5	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-9.3 -2.8	-1.4	-9.0	20.0	-1.0	3.5	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.5 0.2	0.7	0.3	0.6	-1.0	-0.3	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	1.2 -1.0	0.1	1.1	-0.6	-0.2	-0.5	50 30	30	30	30	30	30
Toluene-d8 (Surr)	0.0 0.3	-0.2	0.3	0.3	-0.5	-0.1	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-2.2 2.0	-2.3	0.4	-0.3	0.7	1.8	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
 Lims ID: IC std1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 14-Jun-2024 22:22:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116727-013
 Misc. Info.: IC STD0.2
 Operator ID: mec29284 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 14:17:33 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: UCB5

Date: 16-Jun-2024 09:28:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.861	1.855	0.006	98	13753	0.2000	0.2151	
5 Chloromethane	50	2.050	2.044	0.006	98	14591	0.2000	0.1935	
7 Butadiene	39	2.154	2.142	0.012	81	14309	0.2000	0.2057	M
6 Vinyl chloride	62	2.166	2.154	0.012	97	15226	0.2000	0.2110	
9 Bromomethane	94	2.489	2.483	0.006	92	9855	0.2000	0.2207	M
10 Chloroethane	64	2.538	2.526	0.012	97	8742	0.2000	0.2117	
11 Dichlorofluoromethane	67	2.751	2.745	0.006	95	22644	0.2000	0.2116	M
12 Trichlorofluoromethane	101	2.843	2.843	0.000	79	15797	0.2000	0.2136	
13 Ethyl ether	59	3.050	3.038	0.012	70	5289	0.2000	0.1857	M
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.129	3.129	0.000	92	12586	0.2000	0.2078	
17 Acrolein	56	3.209	3.196	0.013	98	37706	10.0	9.58	M
18 1,1-Dichloroethene	96	3.330	3.324	0.006	96	8792	0.2000	0.2224	
19 Acetone	43	3.373	3.355	0.018	90	9563	2.00	2.00	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.385	3.367	0.018	90	8515	0.2000	0.2046	
22 Iodomethane	142	3.501	3.501	0.000	96	14558	0.2000	0.2046	
21 Isopropyl alcohol	45	3.550	3.532	0.018	32	2175	4.00	2.77	
23 Ethyl bromide	108	3.538	3.532	0.006	93	6452	0.2003	0.1888	
24 Carbon disulfide	76	3.605	3.599	0.006	98	29299	0.2000	0.2072	M
25 Methyl acetate	43	3.775	3.751	0.024	24	3086	0.2000	0.2373	
27 3-Chloro-1-propene	41	3.775	3.763	0.012	92	15389	0.2000	0.2094	
29 Methylene Chloride	84	3.952	3.940	0.012	93	10279	0.2000	0.2237	
* 30 t-Butyl alcohol-d10 (IS)	65	3.977	3.977	0.000	95	88819	50.0	50.0	
31 2-Methyl-2-propanol	59	4.105	4.080	0.025	91	6117	4.00	3.93	
32 Acrylonitrile	53	4.300	4.269	0.031	22	1854	0.5000	0.2627	
33 Methyl tert-butyl ether	73	4.342	4.330	0.012	72	18856	0.2000	0.2020	
34 trans-1,2-Dichloroethene	96	4.349	4.330	0.019	98	10491	0.2000	0.2204	
35 Hexane	57	4.775	4.763	0.012	93	12360	0.2000	0.1942	
37 1,1-Dichloroethane	63	5.007	4.995	0.012	95	17584	0.2000	0.1982	
38 Isopropyl ether	45	5.068	5.062	0.006	97	29746	0.2000	0.1965	
39 2-Chloro-1,3-butadiene	53	5.117	5.105	0.013	88	12513	0.2000	0.1819	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.623	5.604	0.019	95	24552	0.2000	0.1950	M
41 2-Butanone (MEK)	43	5.854	5.818	0.036	60	15873	2.00	1.84	
42 cis-1,2-Dichloroethene	96	5.854	5.836	0.018	83	11649	0.2000	0.2206	
43 2,2-Dichloropropane	77	5.842	5.848	-0.006	70	15033	0.2000	0.2071	
45 Propionitrile	54	5.946	5.903	0.043	29	7132	4.00	3.00	
48 Methacrylonitrile	67	6.135	6.117	0.019	90	15175	2.00	1.71	
S 47 1,2-Dichloroethene, Total	100				0			0.4410	
49 Chlorobromomethane	128	6.184	6.165	0.019	90	3676	0.2000	0.1900	
50 Tetrahydrofuran	71	6.208	6.196	0.012	79	1436	1.00	0.6590	
51 Chloroform	83	6.336	6.324	0.012	93	20414	0.2000	0.2287	
\$ 52 Dibromofluoromethane (Surr)	113	6.543	6.537	0.006	93	438597	10.0	9.95	
53 1,1,1-Trichloroethane	97	6.562	6.549	0.013	36	14587	0.2000	0.2025	
54 Cyclohexane	56	6.653	6.647	0.006	88	15771	0.2000	0.1938	
55 Carbon tetrachloride	117	6.775	6.757	0.018	53	11991	0.2000	0.1955	M
56 1,1-Dichloropropene	75	6.763	6.763	0.000	93	13598	0.2000	0.2035	
58 Isobutyl alcohol	41	6.982	6.952	0.030	31	5612	10.0	10.9	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.994	6.994	0.000	66	85238	10.0	10.1	
60 Benzene	78	7.037	7.025	0.012	94	40789	0.2000	0.2037	
61 1,2-Dichloroethane	62	7.110	7.092	0.018	47	9560	0.2000	0.2064	M
63 Tert-amyl methyl ether	73	7.238	7.232	0.006	86	19472	0.2000	0.1861	M
* 64 Fluorobenzene (IS)	96	7.433	7.433	0.000	99	1913642	10.0	10.0	
65 n-Heptane	43	7.452	7.452	0.000	46	15752	0.2000	0.2162	
67 n-Butanol	56		7.848				ND	ND	U
68 Trichloroethene	95	7.921	7.915	0.006	97	10086	0.2000	0.1964	
69 Methylcyclohexane	83	8.214	8.220	-0.006	83	16591	0.2000	0.1972	
70 1,2-Dichloropropane	63	8.244	8.244	0.000	94	10046	0.2000	0.1971	
71 2-ethoxy-2-methyl butane	87	8.269	8.269	-0.001	86	13253	0.2000	0.1834	
73 1,4-Dioxane	88	8.372	8.348	0.024	1	326	10.0	15.0	M
72 Methyl methacrylate	69	8.384	8.348	0.036	72	2293	0.2000	0.1492	
74 Dibromomethane	93	8.360	8.354	0.006	95	3758	0.2000	0.1890	
76 Dichlorobromomethane	83	8.598	8.592	0.006	98	10697	0.2000	0.1910	
77 2-Nitropropane	41	8.872	8.866	0.006	95	4903	1.00	0.9885	
79 1-Bromo-2-chloroethane	63	8.994	8.982	0.012	96	6940	0.2000	0.1698	
81 cis-1,3-Dichloropropene	75	9.159	9.152	0.007	95	11793	0.2000	0.1730	
82 4-Methyl-2-pentanone (MIBK)	43	9.354	9.348	0.006	97	34557	2.00	1.61	
\$ 83 Toluene-d8 (Surr)	98	9.476	9.476	0.000	94	1888353	10.0	10.0	
84 Toluene	92	9.555	9.555	0.000	99	25778	0.2000	0.2029	
85 trans-1,3-Dichloropropene	75	9.841	9.823	0.018	92	9533	0.2000	0.1788	M
86 Ethyl methacrylate	69	9.908	9.896	0.012	88	4946	0.2000	0.1474	
107 1,1,2-Trichloroethane	97	10.030	10.030	0.000	90	5565	0.2000	0.1946	
S 106 1,3-Dichloropropene, Total	100				0			0.3518	
108 Tetrachloroethene	166	10.122	10.116	0.006	96	10879	0.2000	0.2018	
109 1,3-Dichloropropane	76	10.195	10.195	0.000	89	10021	0.2000	0.1946	
110 2-Hexanone	43	10.280	10.262	0.018	96	14172	2.00	1.03	
112 Chlorodibromomethane	129	10.414	10.408	0.006	92	6337	0.2000	0.1841	
113 Ethylene Dibromide	107	10.530	10.518	0.012	97	4481	0.2000	0.1763	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	87	1373915	10.0	10.0	
115 1-Chlorohexane	91	10.975	10.975	0.000	85	15299	0.2000	0.2144	
116 Chlorobenzene	112	10.987	10.988	-0.001	96	28673	0.2000	0.2039	
117 1,1,1,2-Tetrachloroethane	131	11.073	11.073	0.000	92	9359	0.2000	0.2015	
118 Ethylbenzene	91	11.079	11.079	0.000	98	46261	0.2000	0.1888	
120 m-Xylene & p-Xylene	106	11.195	11.195	0.000	99	35112	0.4000	0.3709	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 119 Xylenes, Total	106				0			0.5535	
121 o-Xylene	106	11.530	11.524	0.006	96	16776	0.2000	0.1825	
122 Styrene	104	11.548	11.542	0.006	84	24175	0.2000	0.1736	M
123 Bromoform	173	11.701	11.695	0.006	94	3436	0.2000	0.1868	
124 Isopropylbenzene	105	11.829	11.829	0.000	96	40509	0.2000	0.1834	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	88	661410	10.0	9.78	
128 1,1,2,2-Tetrachloroethane	83	12.079	12.073	0.006	24	6517	0.2000	0.1980	M
129 Bromobenzene	156	12.085	12.085	0.000	92	10495	0.2000	0.2036	
130 trans-1,4-Dichloro-2-butene	53	12.109	12.097	0.012	91	13912	2.00	1.61	
131 1,2,3-Trichloropropane	110	12.121	12.115	0.006	75	1557	0.2000	0.1883	
132 N-Propylbenzene	91	12.158	12.158	0.000	99	55534	0.2000	0.1956	M
133 2-Chlorotoluene	126	12.237	12.231	0.006	95	10912	0.2000	0.1928	
134 1,3,5-Trimethylbenzene	105	12.298	12.292	0.006	94	36996	0.2000	0.1875	
135 4-Chlorotoluene	126	12.329	12.323	0.006	98	11170	0.2000	0.1917	
136 tert-Butylbenzene	134	12.536	12.530	0.006	92	8290	0.2000	0.1869	
137 Pentachloroethane	167	12.566	12.560	0.006	78	5319	0.2000	0.1745	
138 1,2,4-Trimethylbenzene	105	12.579	12.573	0.006	96	36163	0.2000	0.1800	
139 sec-Butylbenzene	105	12.694	12.694	0.000	94	49577	0.2000	0.1926	
140 1,3-Dichlorobenzene	146	12.798	12.792	0.006	97	20826	0.2000	0.1902	
141 4-Isopropyltoluene	119	12.804	12.804	0.000	97	39370	0.2000	0.1803	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	724570	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.865	12.865	0.000	92	24044	0.2000	0.2071	
144 1,2,3-Trimethylbenzene	120	12.877	12.877	0.000	98	17374	0.2000	0.1917	
145 Benzyl chloride	126	12.957	12.944	0.013	97	1629	0.2000	0.1348	
146 p-Diethylbenzene	119	13.005	13.005	0.000	90	23514	0.2000	0.1831	
147 n-Butylbenzene	92	13.103	13.091	0.012	97	17575	0.2000	0.1529	
148 1,2-Dichlorobenzene	146	13.133	13.121	0.012	97	18478	0.2000	0.1904	
150 1,2-Dibromo-3-Chloropropane	155		13.664				ND	ND	
151 1,3,5-Trichlorobenzene	180	13.810	13.792	0.018	96	16729	0.2000	0.1933	M
152 1,2,4-Trichlorobenzene	180	14.249	14.206	0.043	24	13186	0.2000	0.1977	M
153 Hexachlorobutadiene	225	14.292	14.292	0.000	96	7643	0.2000	0.2071	
154 Naphthalene	128	14.432	14.389	0.043	94	16241	0.2000	0.1839	M
155 1,2,3-Trichlorobenzene	180	14.560	14.529	0.031	93	9025	0.2000	0.1815	
156 2-Methylnaphthalene	142	15.200	15.127	0.073	89	5761	0.2000	0.1472	M
167 Pentane	43	2.849	2.837	0.012	96	17001	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_LL_#1_826_00133

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00214

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00140

Amount Added: 2.00

Units: uL

MSV_HP25_ISSS_00084

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 17-Jun-2024 14:17:34

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D

Injection Date: 14-Jun-2024 22:22:30

Instrument ID: 16334

Operator ID: mec29284

Lims ID: IC std1

Worklist Smp#: 13

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

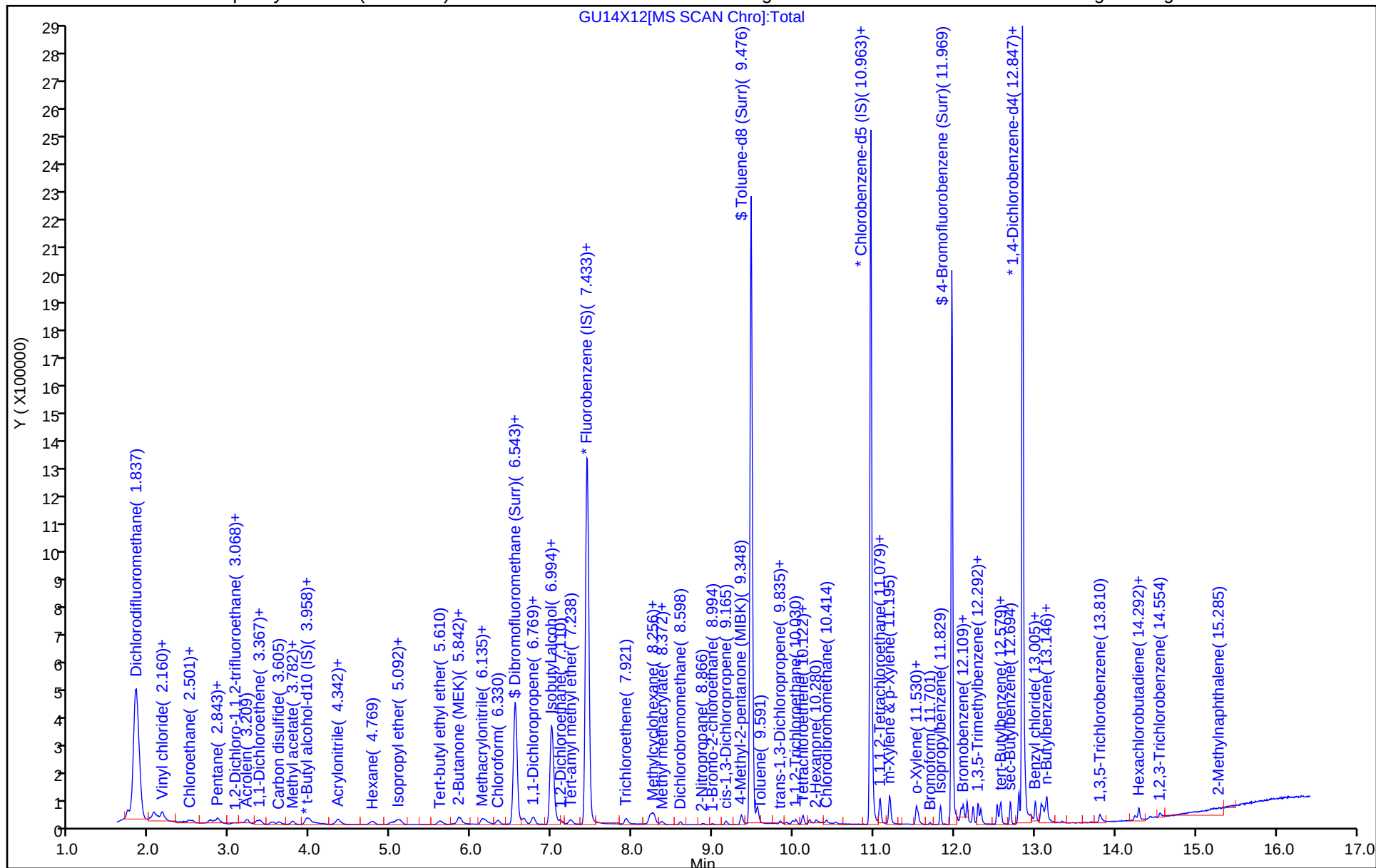
ALS Bottle#: 12

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

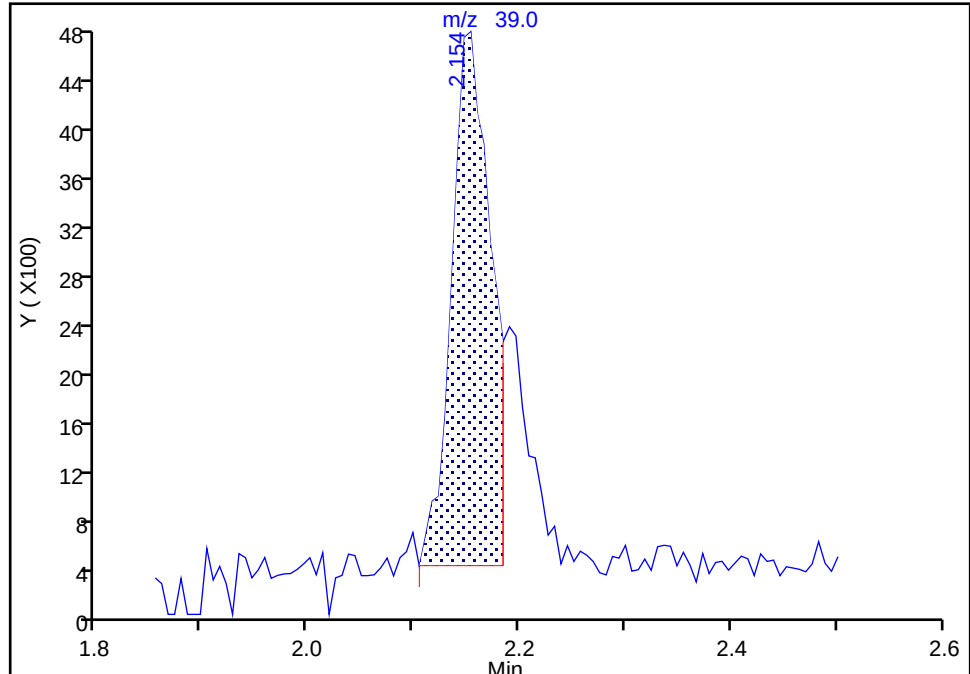
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Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

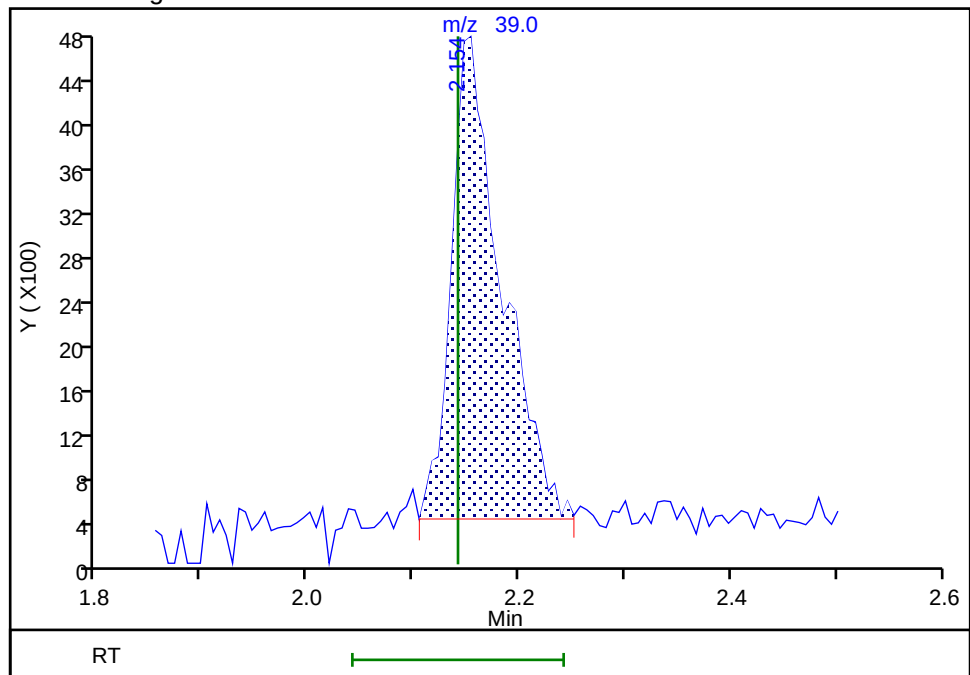
RT: 2.15
Area: 11395
Amount: 0.176302
Amount Units: ug/l

Processing Integration Results



RT: 2.15
Area: 14309
Amount: 0.205692
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:35:30 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

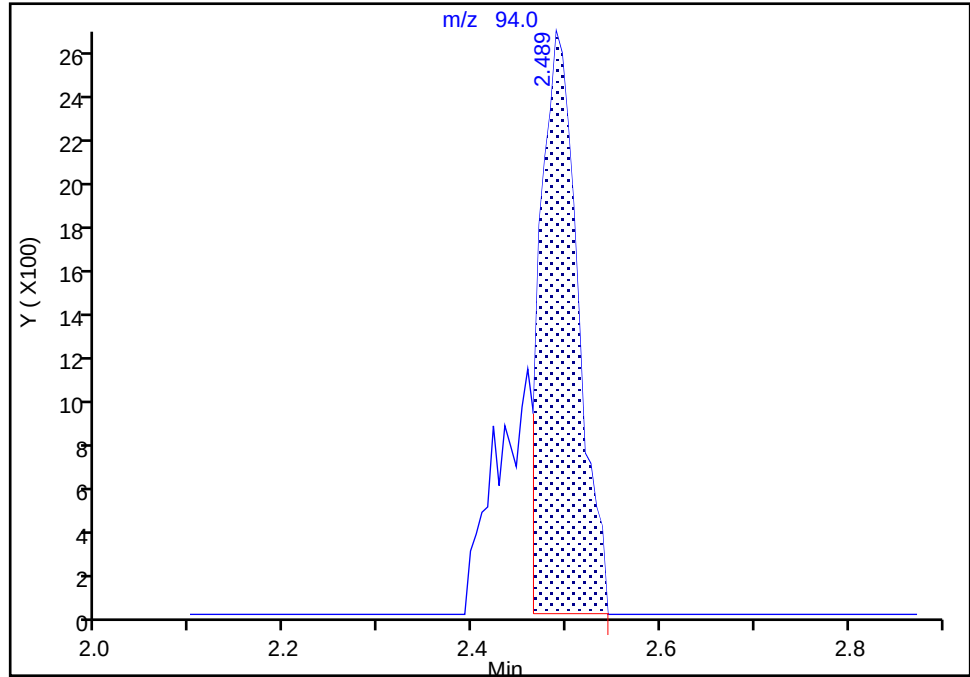
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

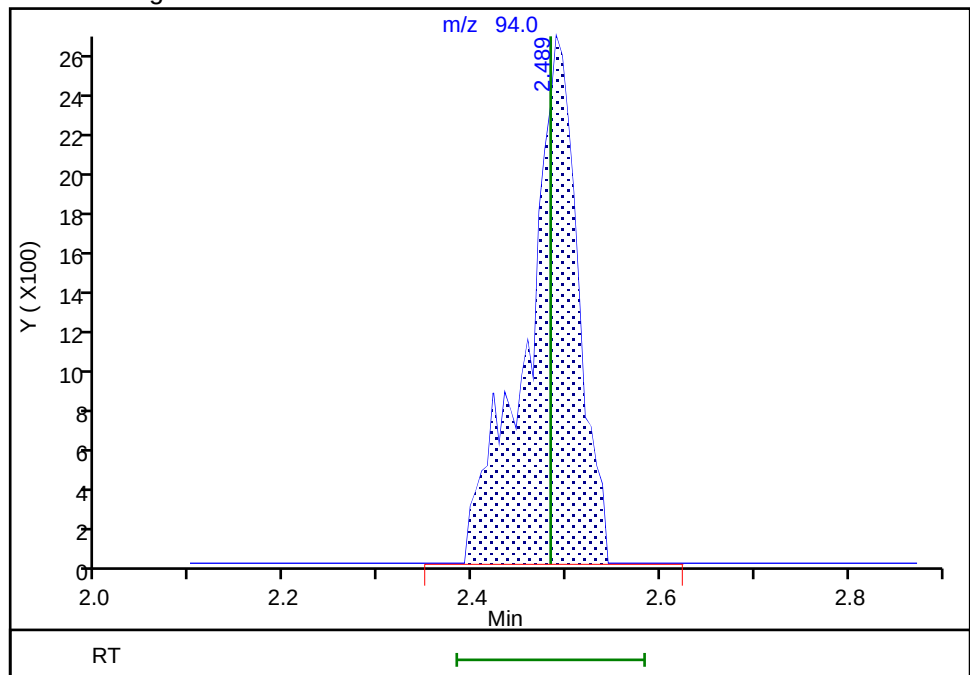
RT: 2.49
Area: 7194
Amount: 0.309649
Amount Units: ug/l

Processing Integration Results



RT: 2.49
Area: 9855
Amount: 0.220739
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:23:21 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

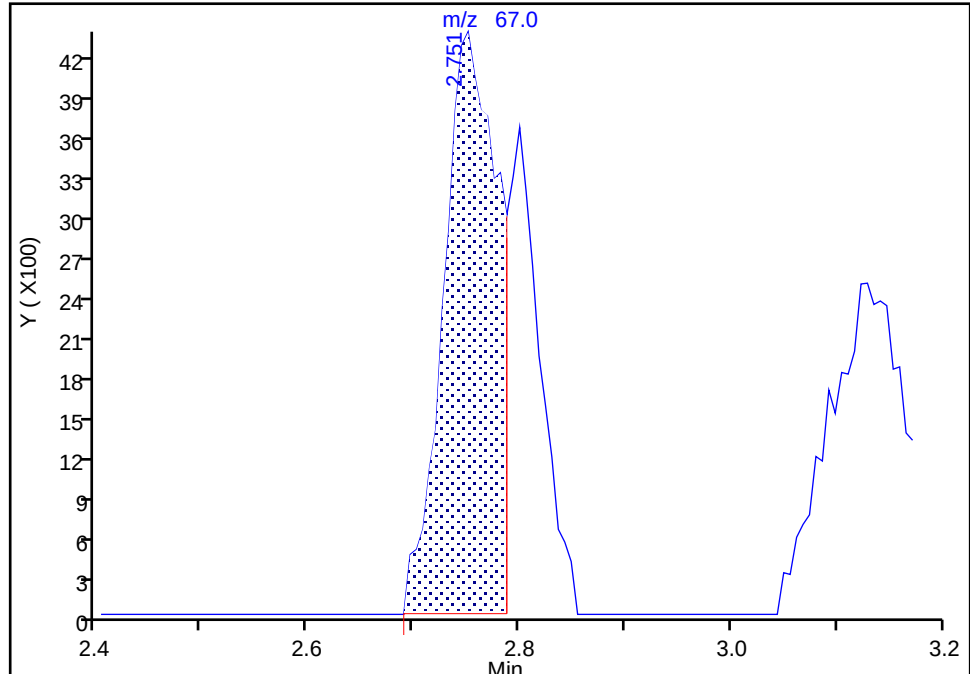
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

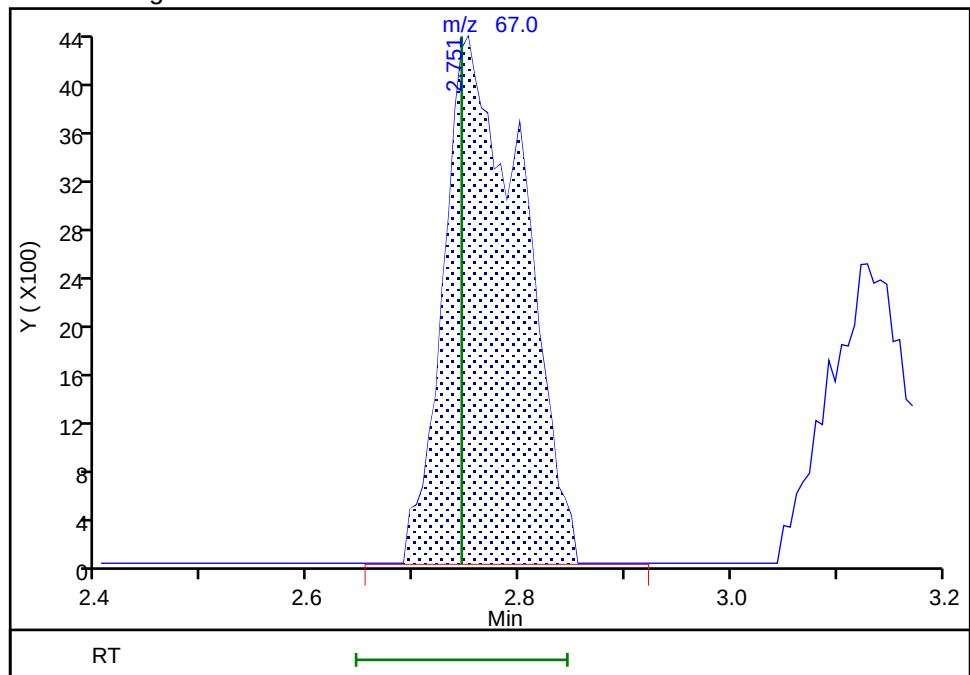
RT: 2.75
Area: 15686
Amount: 0.195927
Amount Units: ug/l

Processing Integration Results



RT: 2.75
Area: 22644
Amount: 0.211632
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:23:31 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

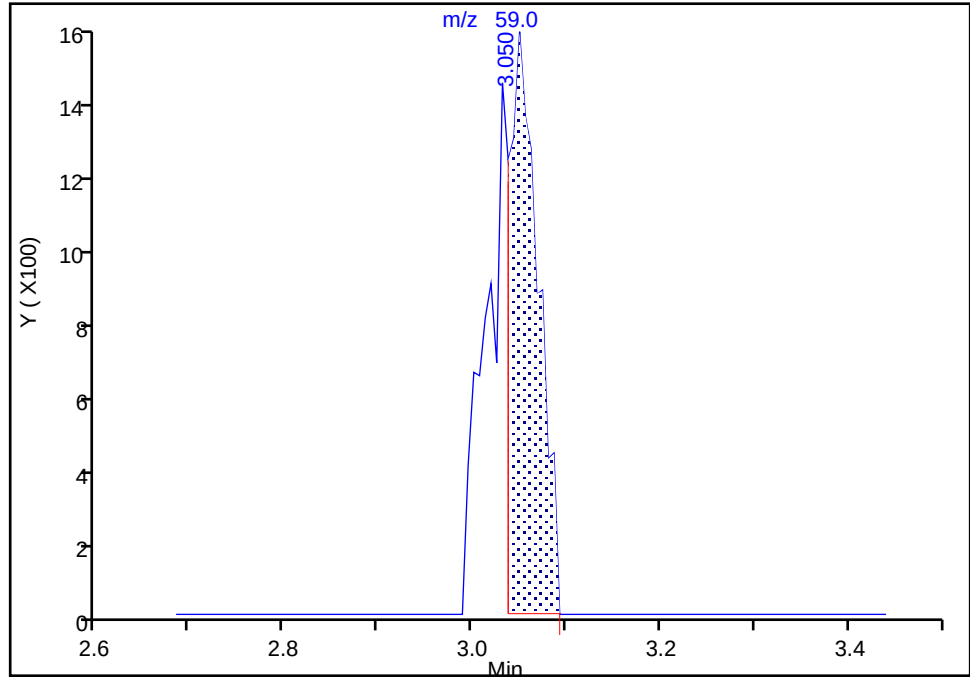
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

13 Ethyl ether, CAS: 60-29-7

Signal: 1

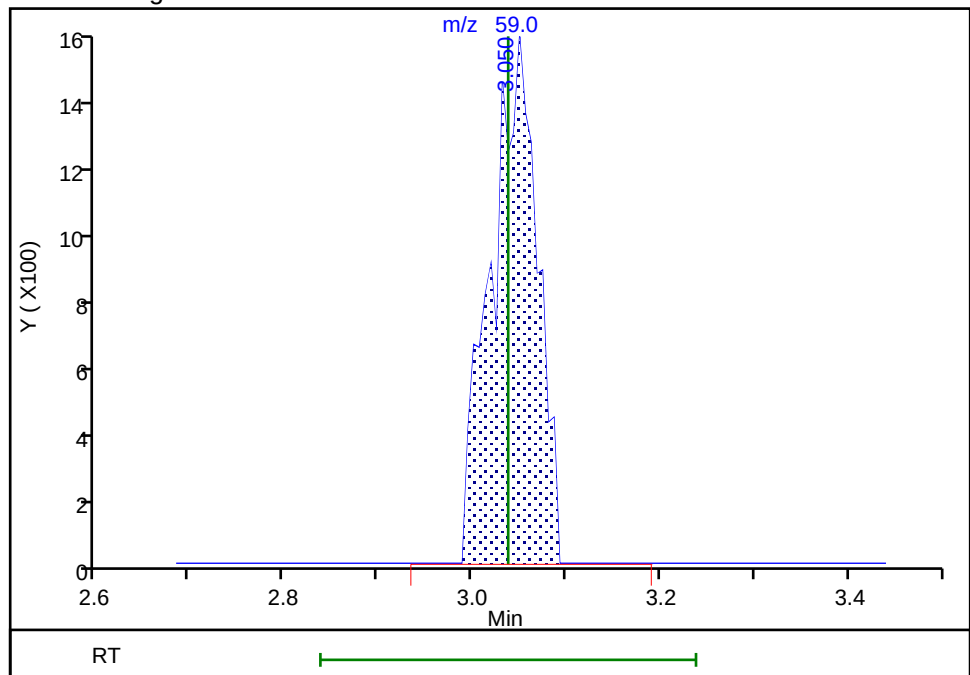
RT: 3.05
Area: 3320
Amount: 0.122653
Amount Units: ug/l

Processing Integration Results



RT: 3.05
Area: 5289
Amount: 0.185743
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:23:38 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

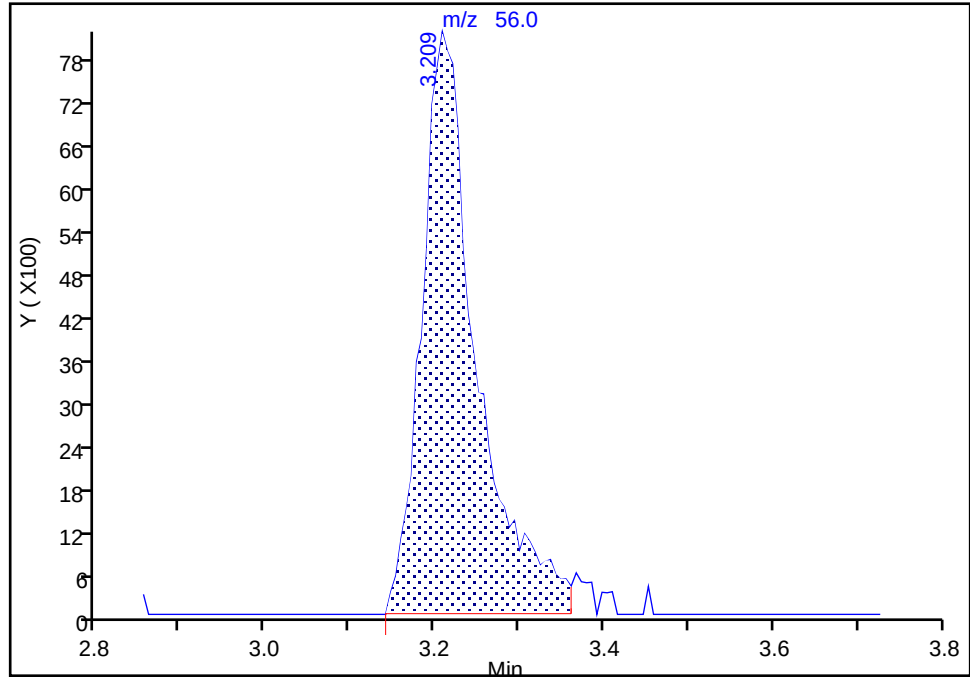
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

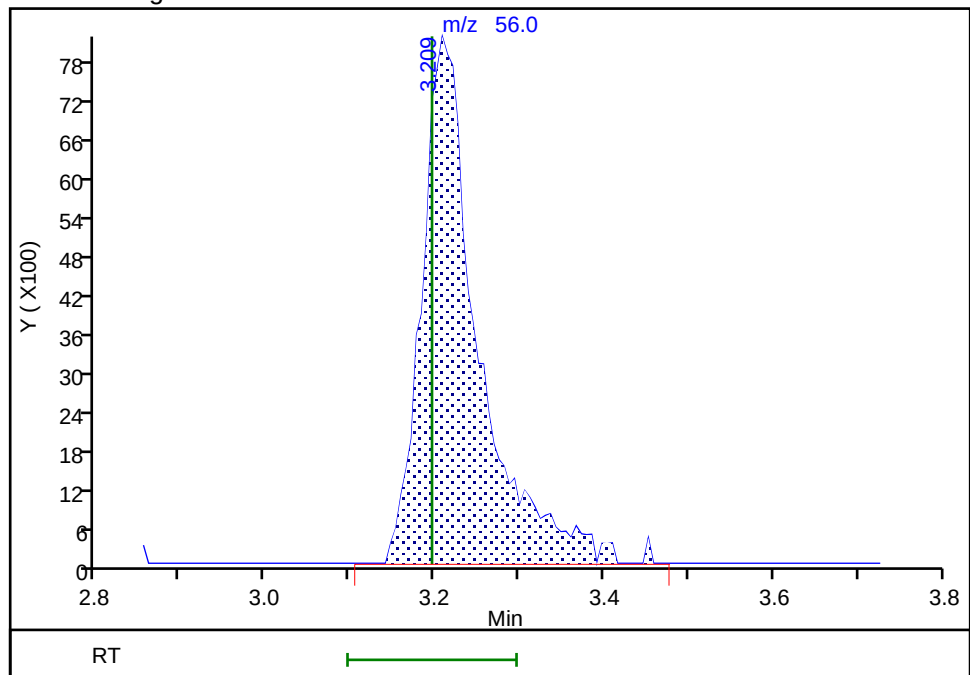
RT: 3.21
Area: 36521
Amount: 9.475243
Amount Units: ug/l

Processing Integration Results



RT: 3.21
Area: 37706
Amount: 9.577990
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:23:49 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

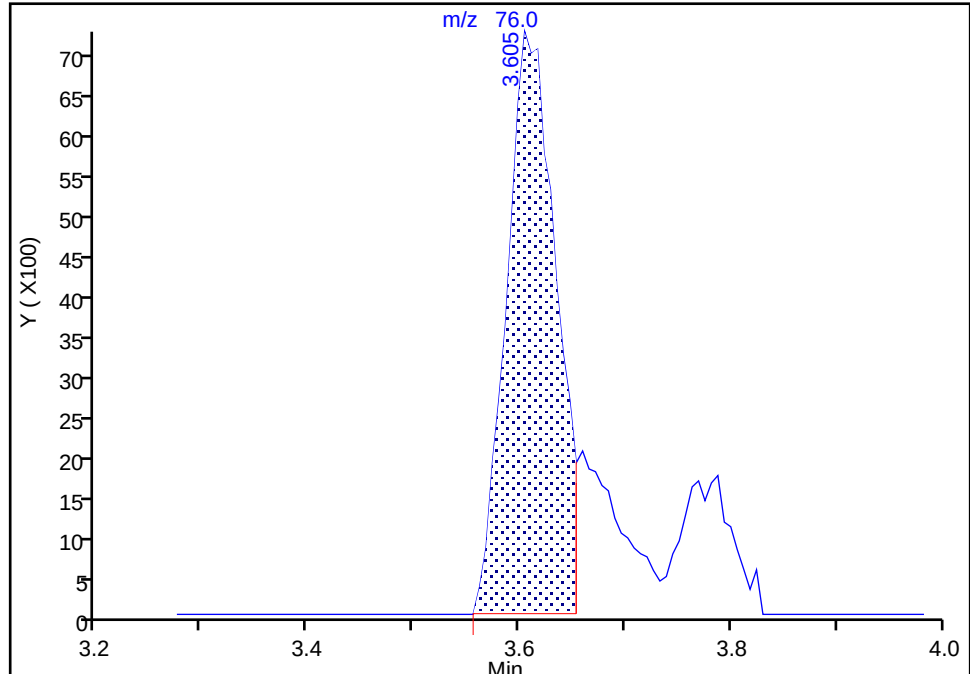
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

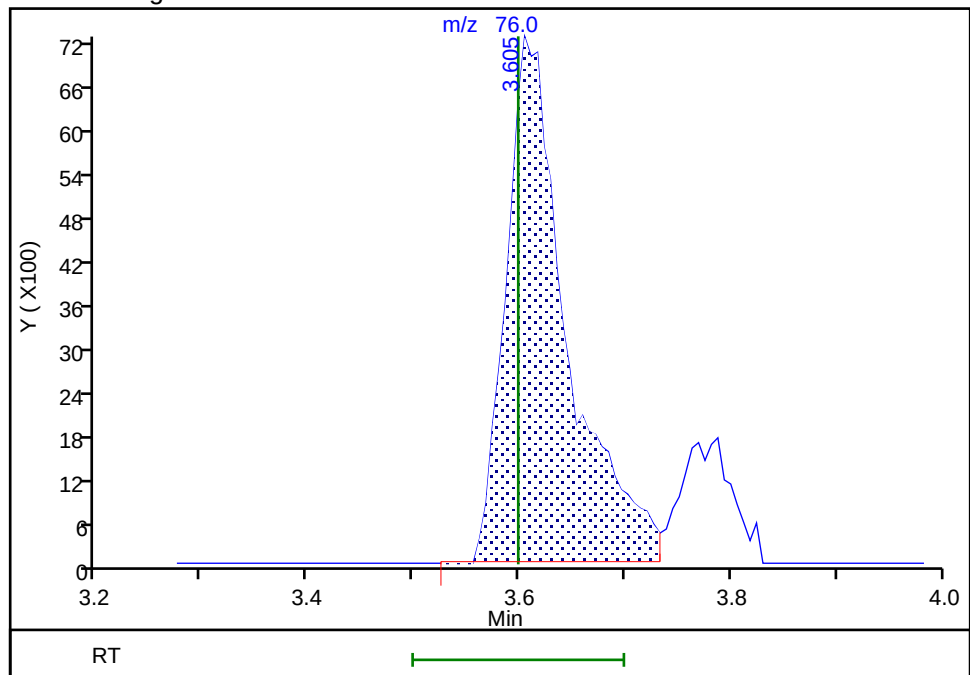
RT: 3.60
Area: 23783
Amount: 0.177020
Amount Units: ug/l

Processing Integration Results



RT: 3.60
Area: 29299
Amount: 0.207243
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:36:56 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

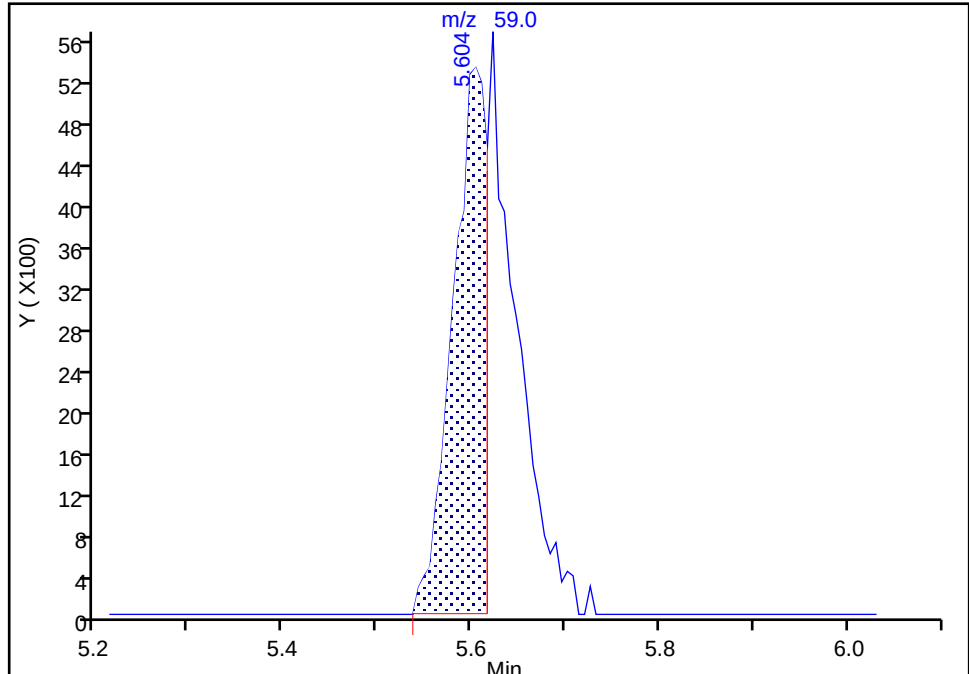
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

40 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

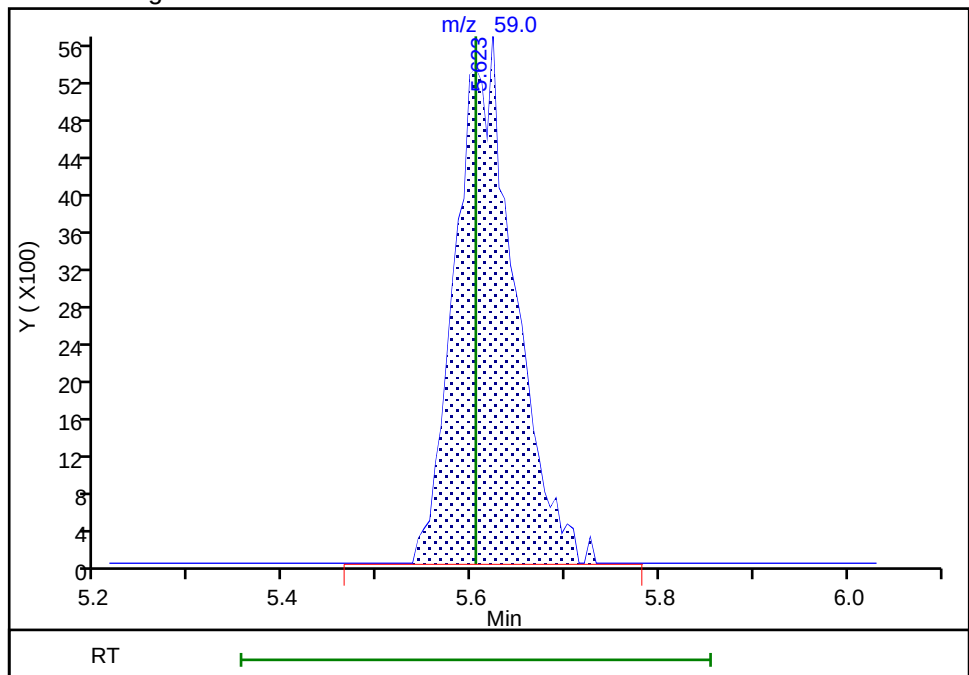
RT: 5.60
Area: 13450
Amount: 0.114034
Amount Units: ug/l

Processing Integration Results



RT: 5.62
Area: 24552
Amount: 0.195047
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:24:23 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

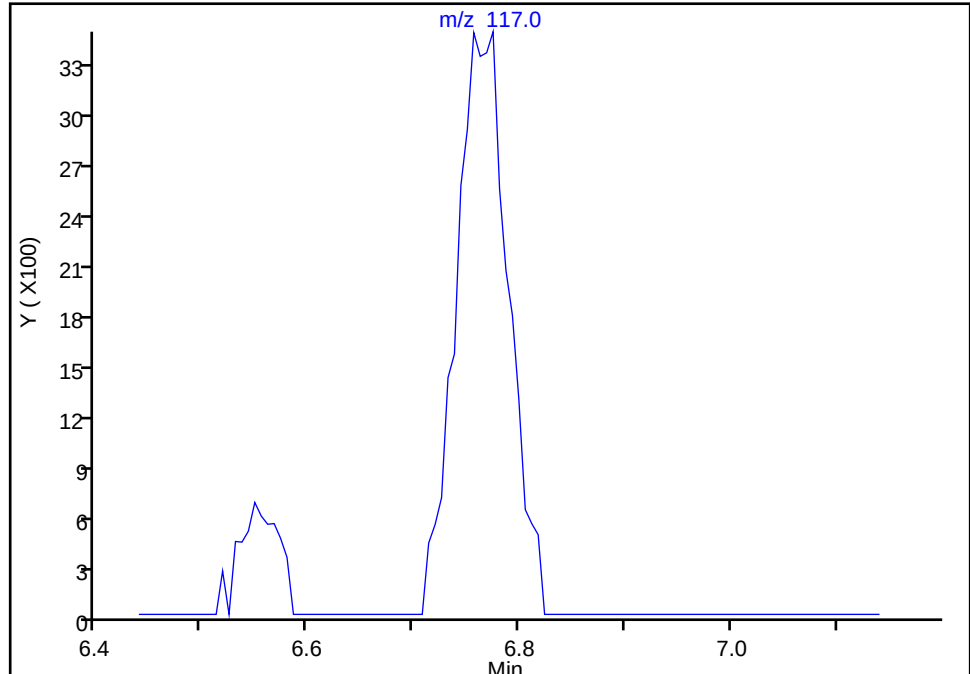
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

55 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

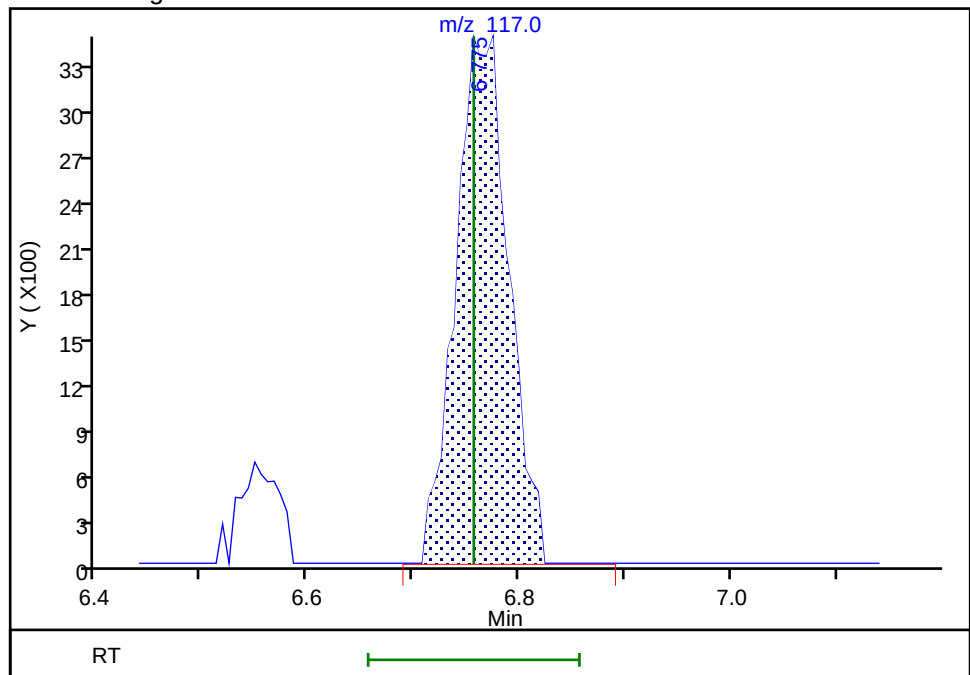
Not Detected
Expected RT: 6.76

Processing Integration Results



RT: 6.77
Area: 11991
Amount: 0.195484
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:24:54 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

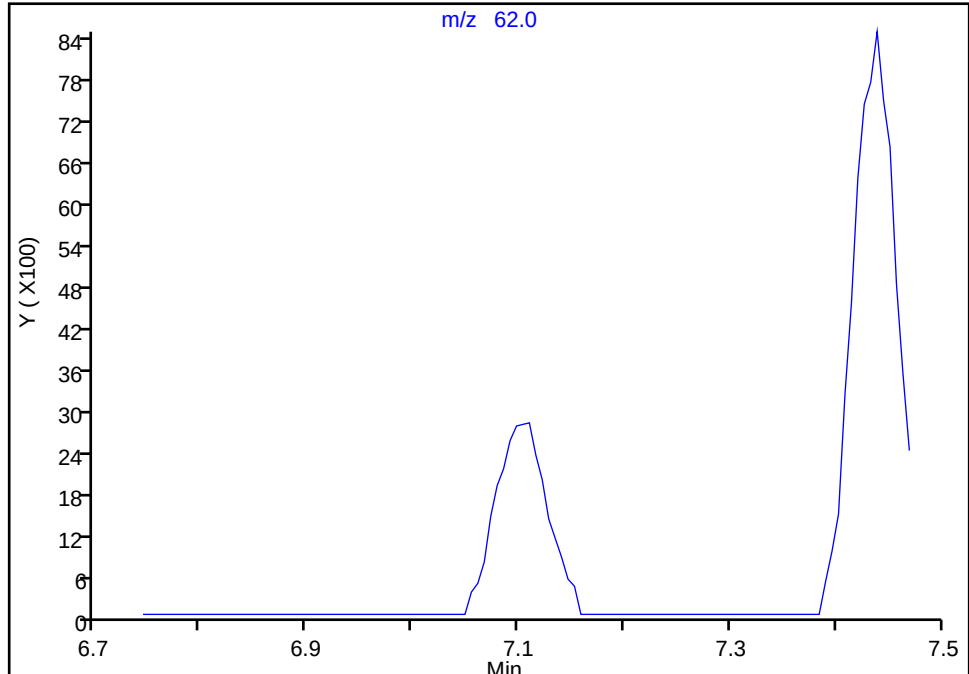
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

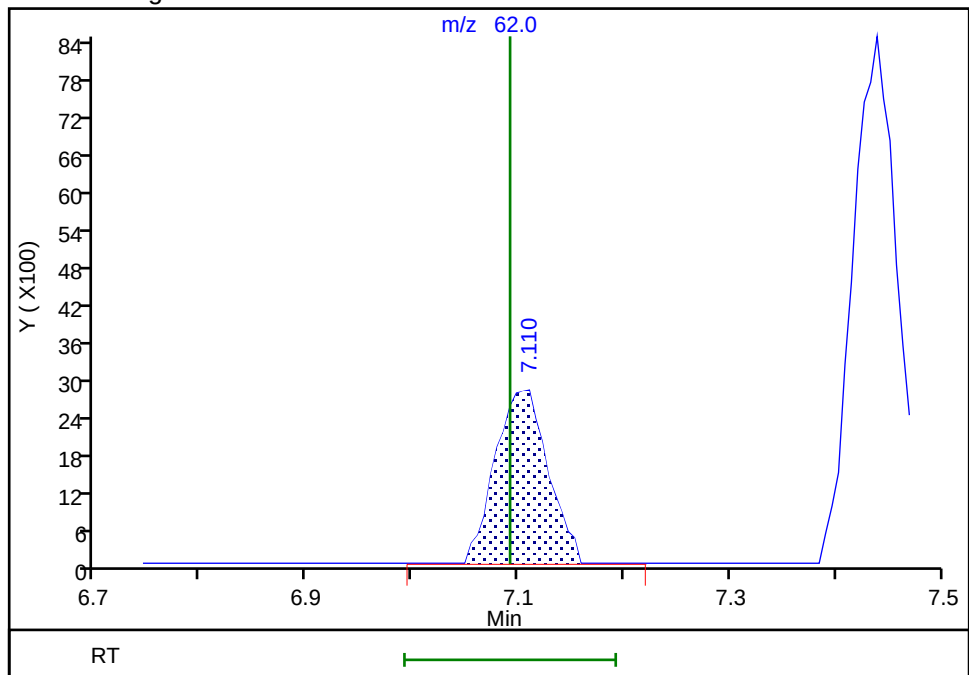
Not Detected
Expected RT: 7.09

Processing Integration Results



RT: 7.11
Area: 9560
Amount: 0.206374
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:25:04 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

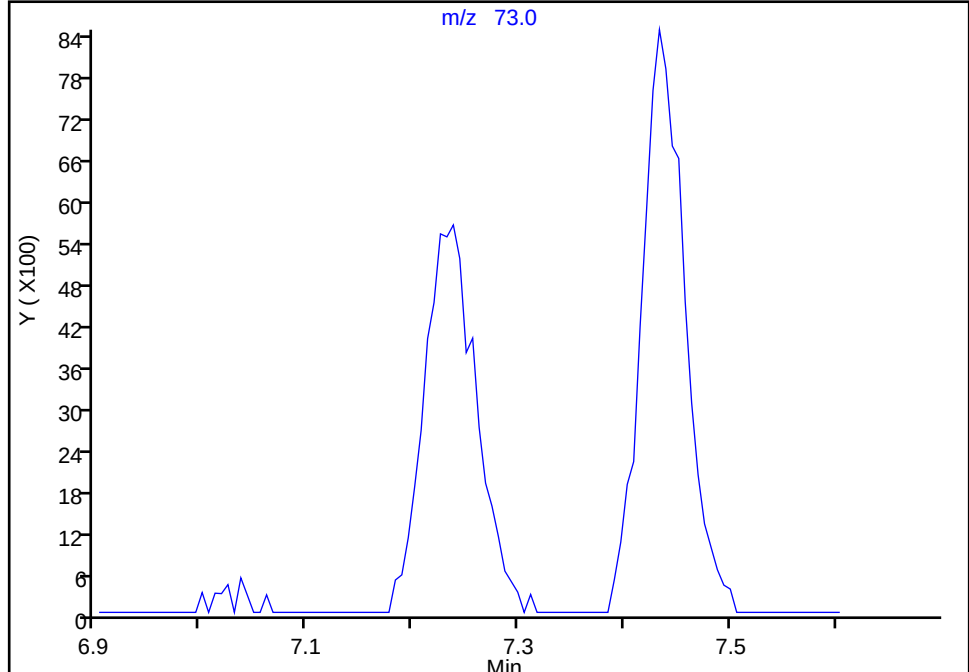
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

63 Tert-amyl methyl ether, CAS: 994-05-8

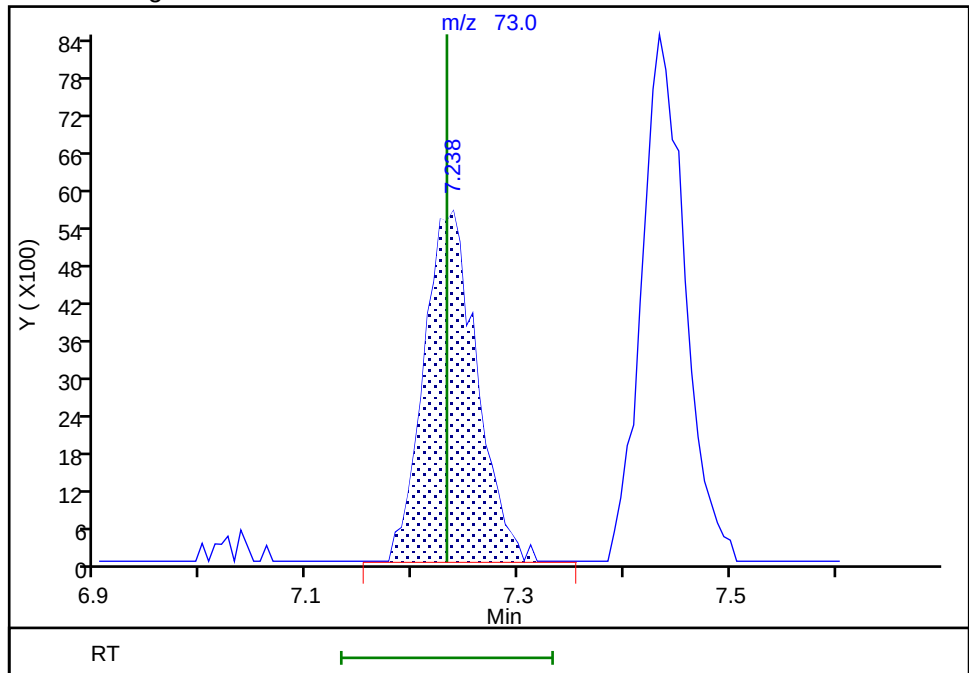
Signal: 1

Not Detected
Expected RT: 7.23

Processing Integration Results



Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:25:08 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

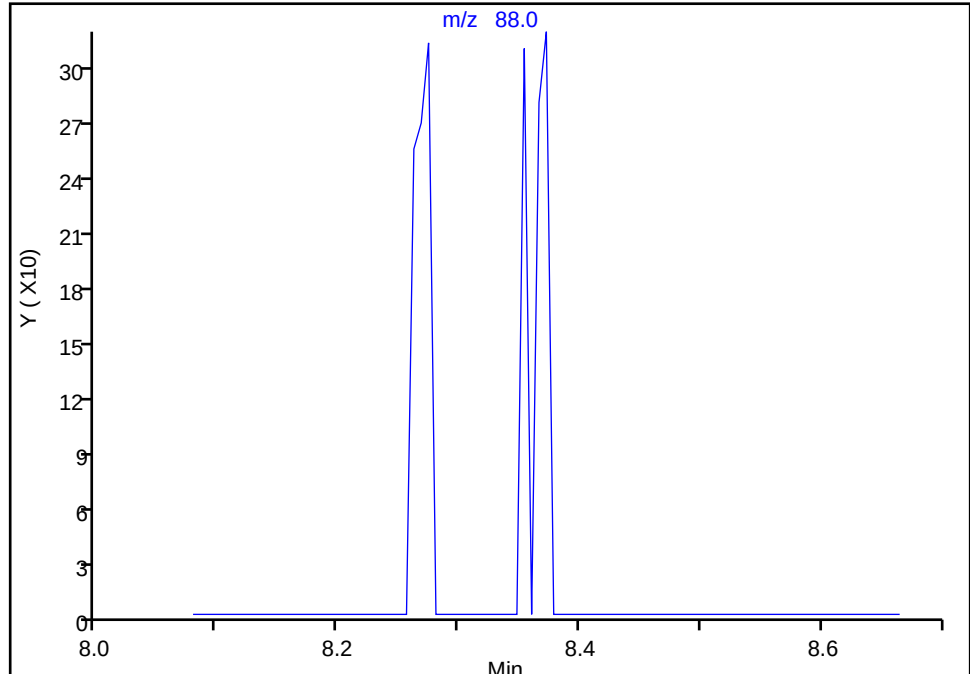
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

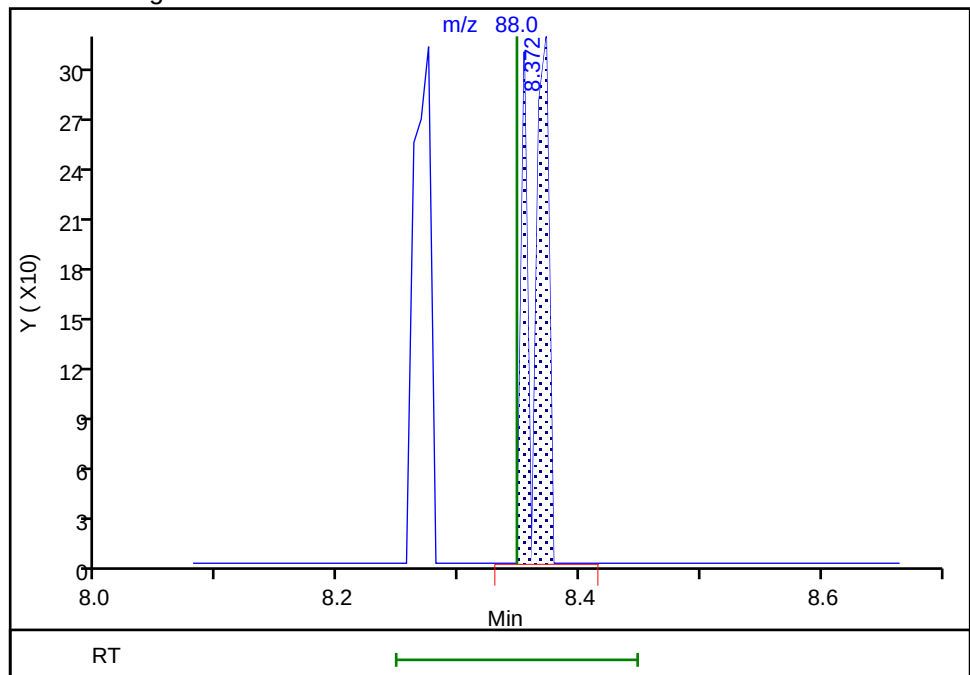
Not Detected
Expected RT: 8.35

Processing Integration Results



RT: 8.37
Area: 326
Amount: 14.999933
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:16:56 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

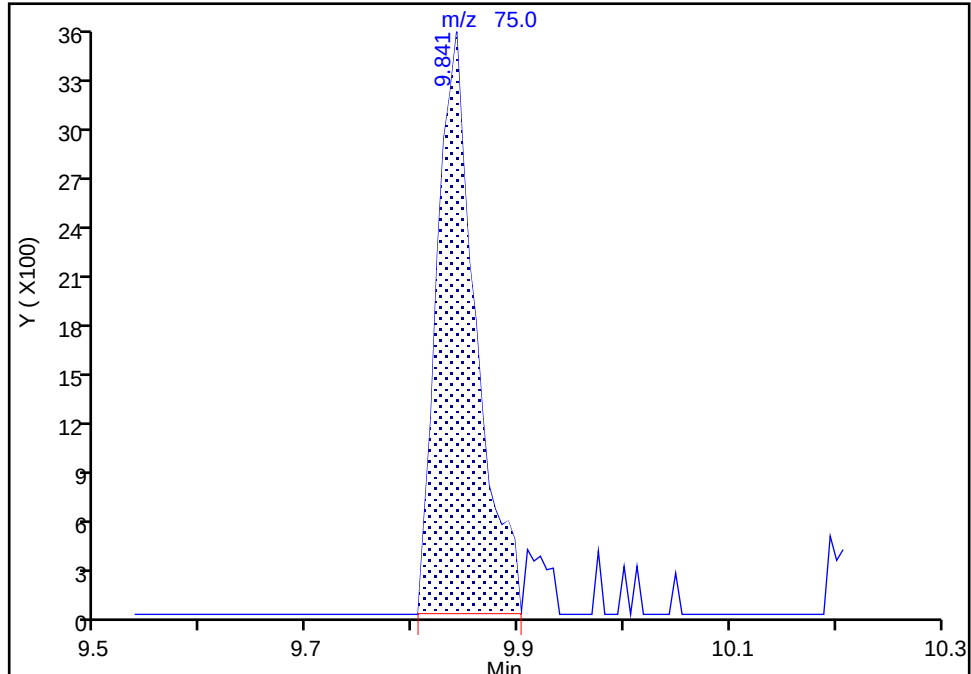
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

85 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

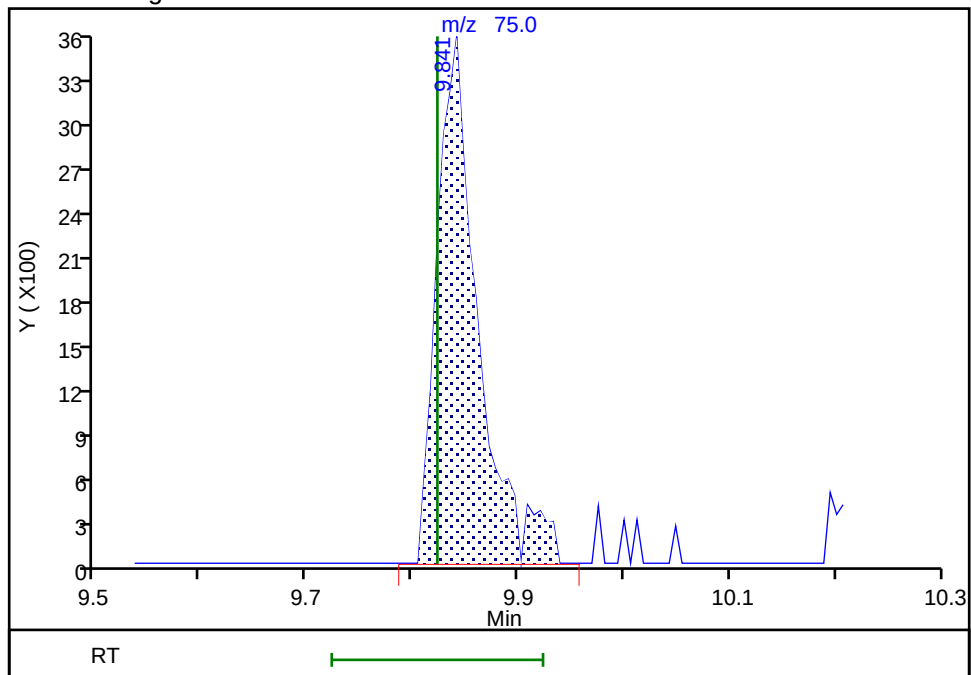
RT: 9.84
Area: 8942
Amount: 0.169076
Amount Units: ug/l

Processing Integration Results



RT: 9.84
Area: 9533
Amount: 0.178824
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:25:47 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

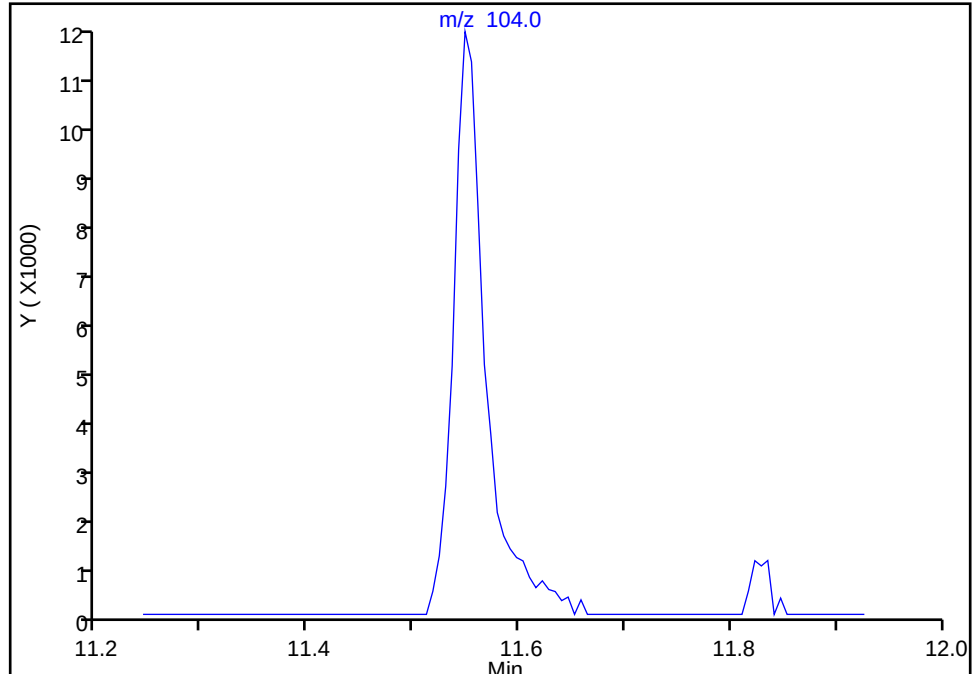
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

122 Styrene, CAS: 100-42-5

Signal: 1

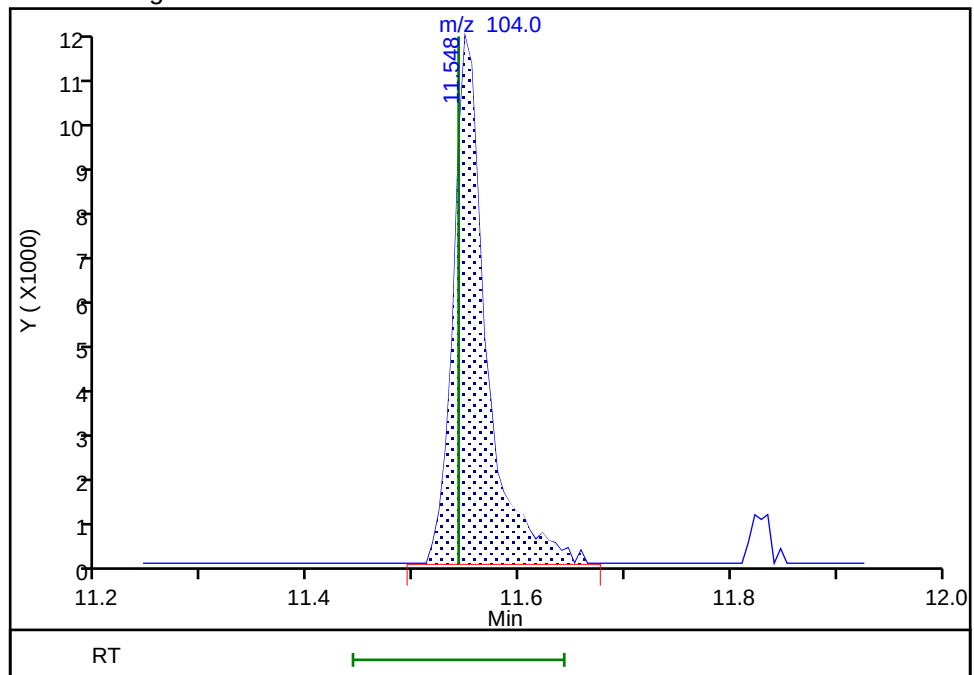
Not Detected
Expected RT: 11.54

Processing Integration Results



RT: 11.55
Area: 24175
Amount: 0.173592
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:26:16 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

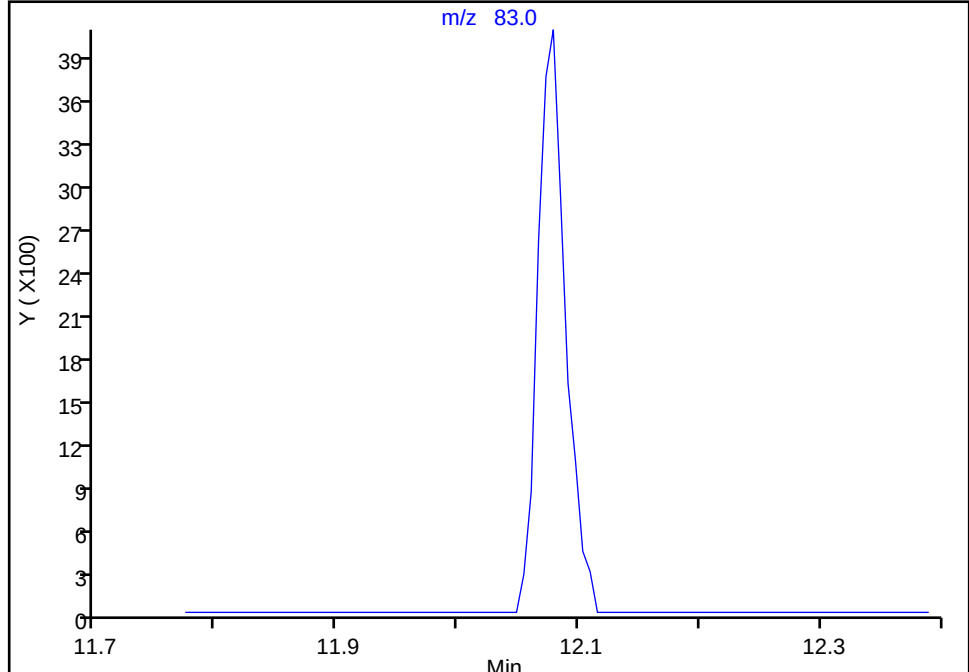
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

128 1,1,2,2-Tetrachloroethane, CAS: 79-34-5
Signal: 1

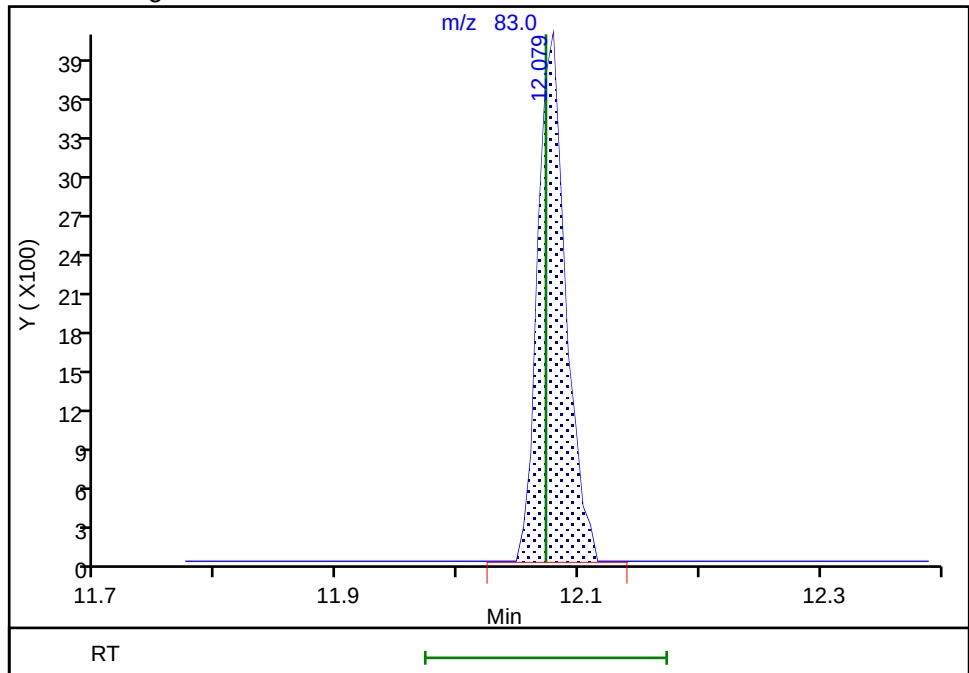
Not Detected
Expected RT: 12.07

Processing Integration Results



RT: 12.08
Area: 6517
Amount: 0.198033
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:26:23 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

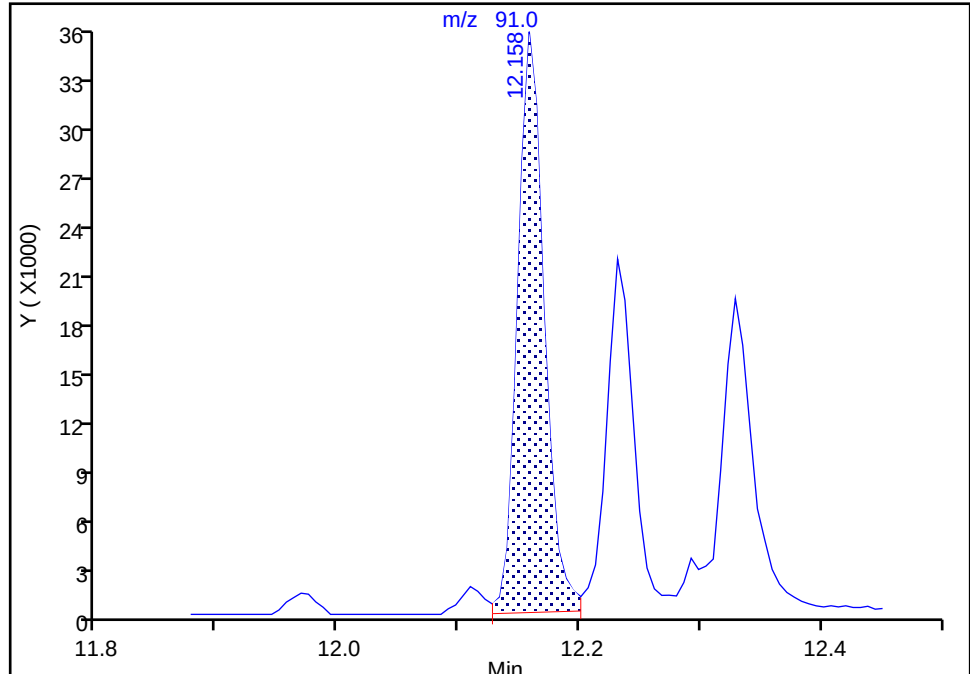
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

132 N-Propylbenzene, CAS: 103-65-1

Signal: 1

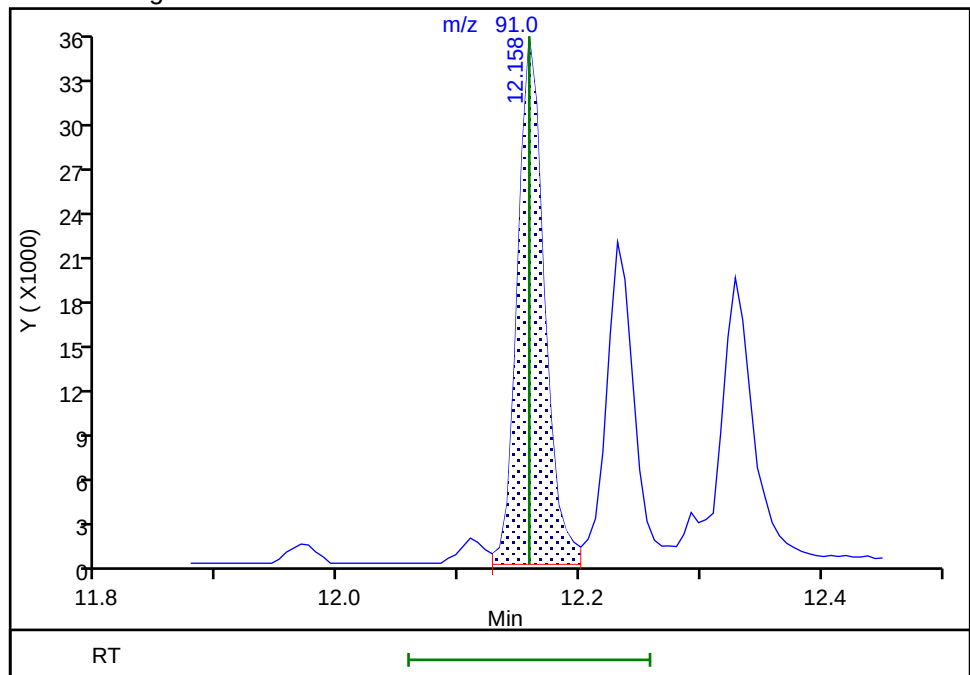
RT: 12.16
Area: 55049
Amount: 0.194147
Amount Units: ug/l

Processing Integration Results



RT: 12.16
Area: 55534
Amount: 0.195618
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:27:25 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Baseline

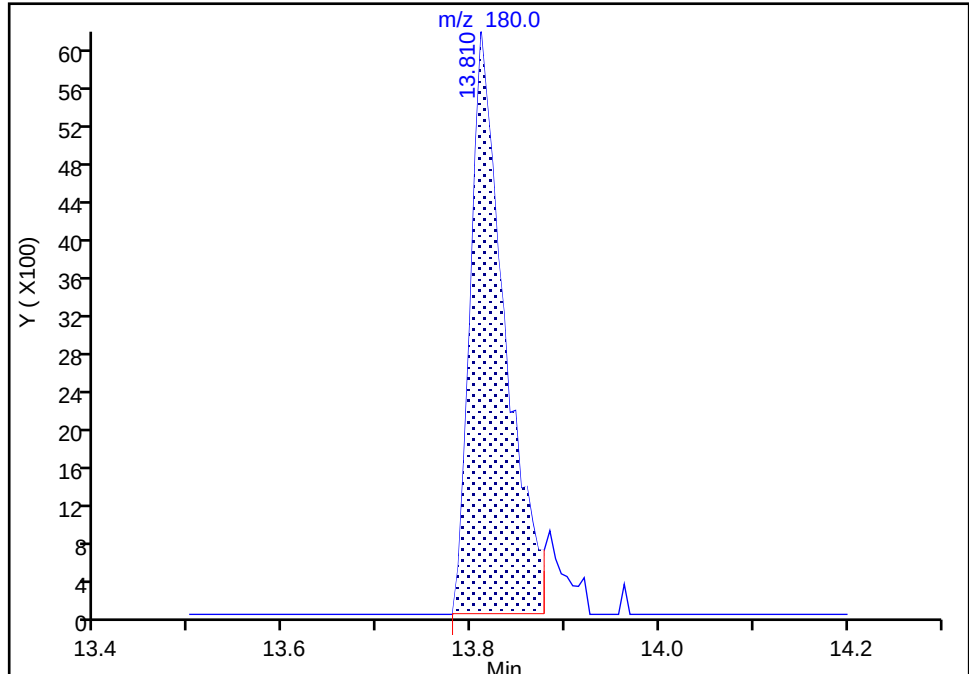
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

151 1,3,5-Trichlorobenzene, CAS: 108-70-3
Signal: 1

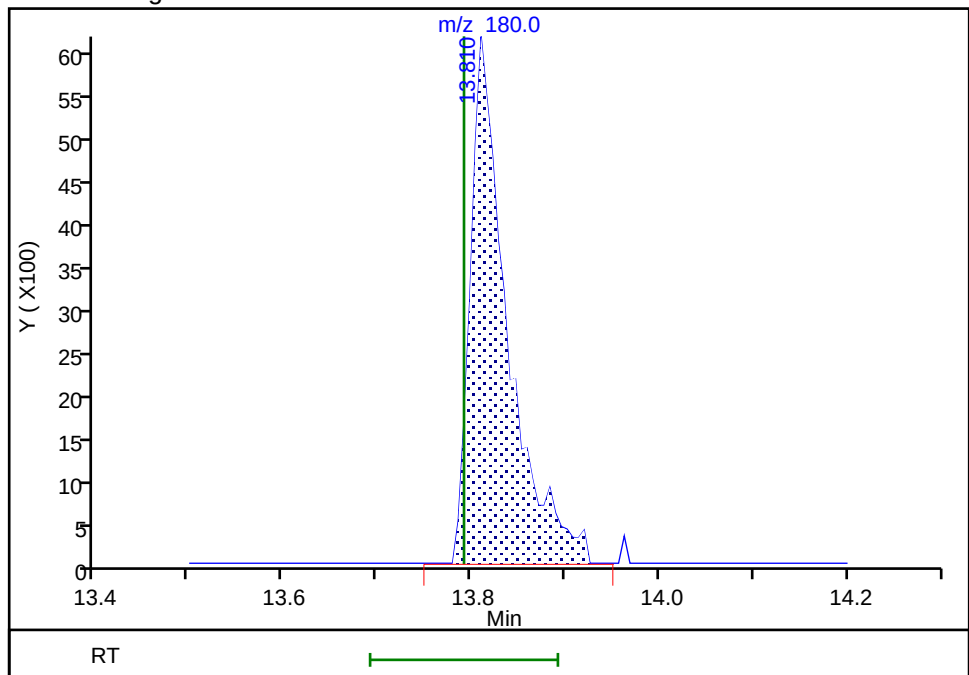
RT: 13.81
Area: 15536
Amount: 0.182782
Amount Units: ug/l

Processing Integration Results



RT: 13.81
Area: 16729
Amount: 0.193282
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:40:47 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

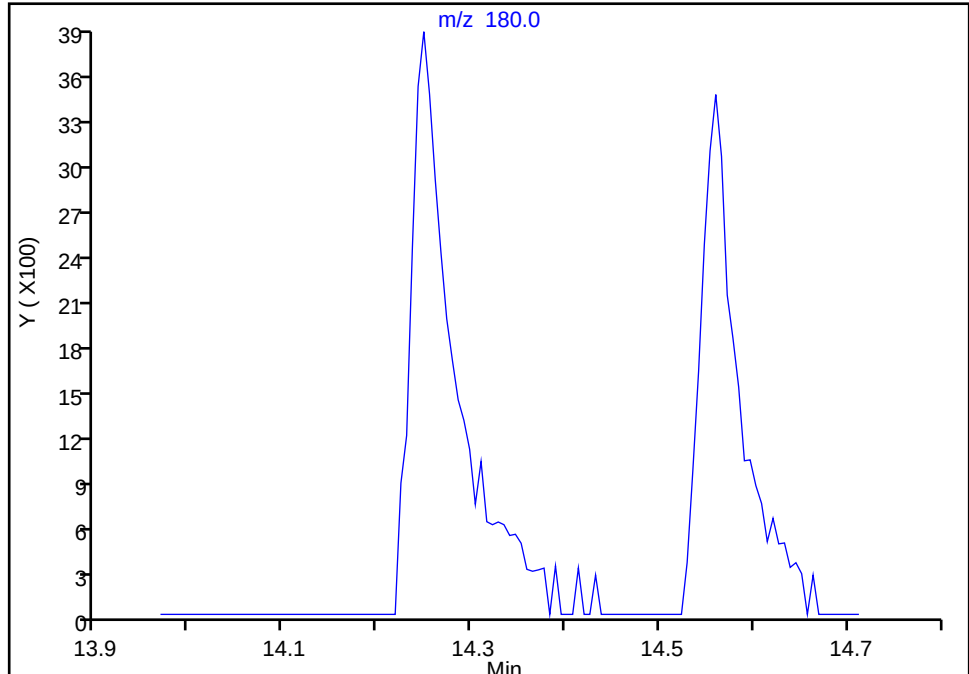
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

152 1,2,4-Trichlorobenzene, CAS: 120-82-1
Signal: 1

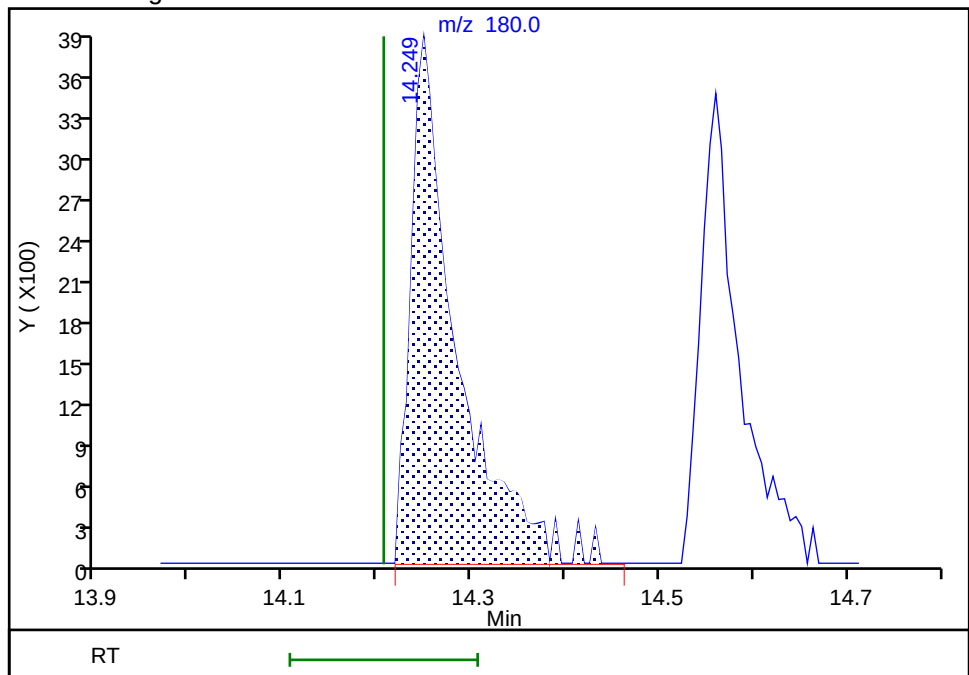
Not Detected
Expected RT: 14.21

Processing Integration Results



RT: 14.25
Area: 13186
Amount: 0.197704
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:40:54 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

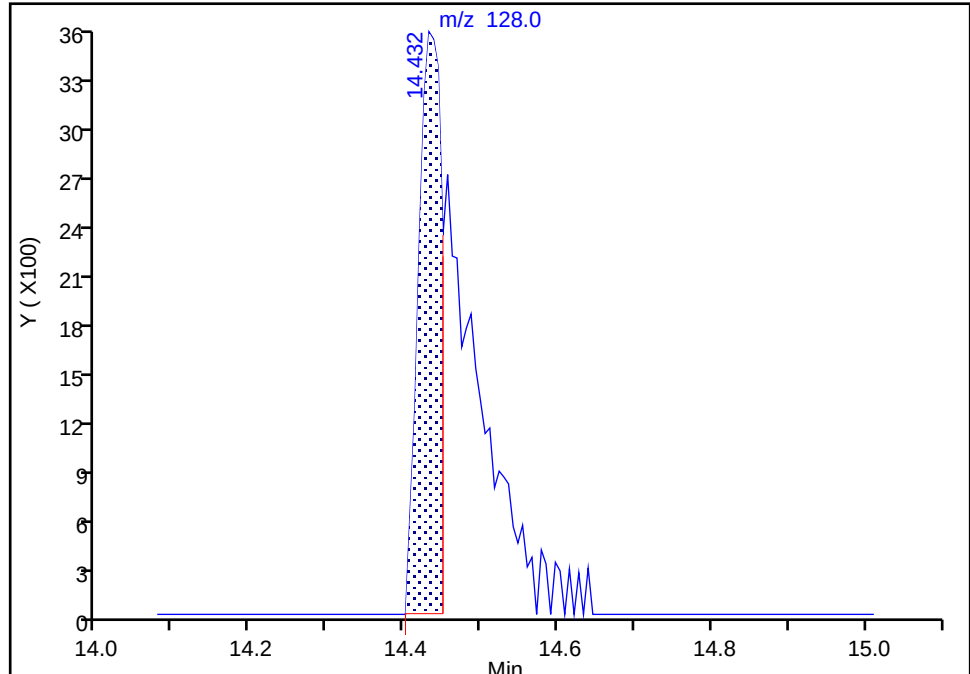
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D
Injection Date: 14-Jun-2024 22:22:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

154 Naphthalene, CAS: 91-20-3

Signal: 1

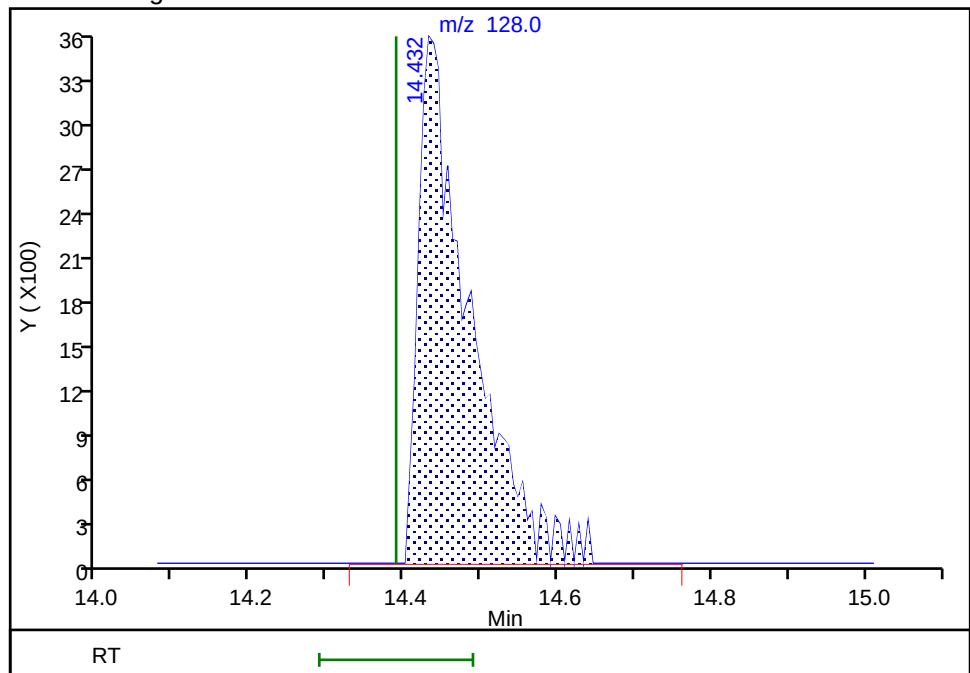
RT: 14.43
Area: 7270
Amount: 0.136864
Amount Units: ug/l

Processing Integration Results



RT: 14.43
Area: 16241
Amount: 0.183884
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:28:20 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X12.D

Injection Date: 14-Jun-2024 22:22:30

Instrument ID: 16334

Lims ID: IC std1

Client ID:

Operator ID: mec29284

ALS Bottle#:

12

Worklist Smp#: 13

Purge Vol: 25.000 mL

Dil. Factor:

1.0000

Method: MSV_16334_25mL

Limit Group:

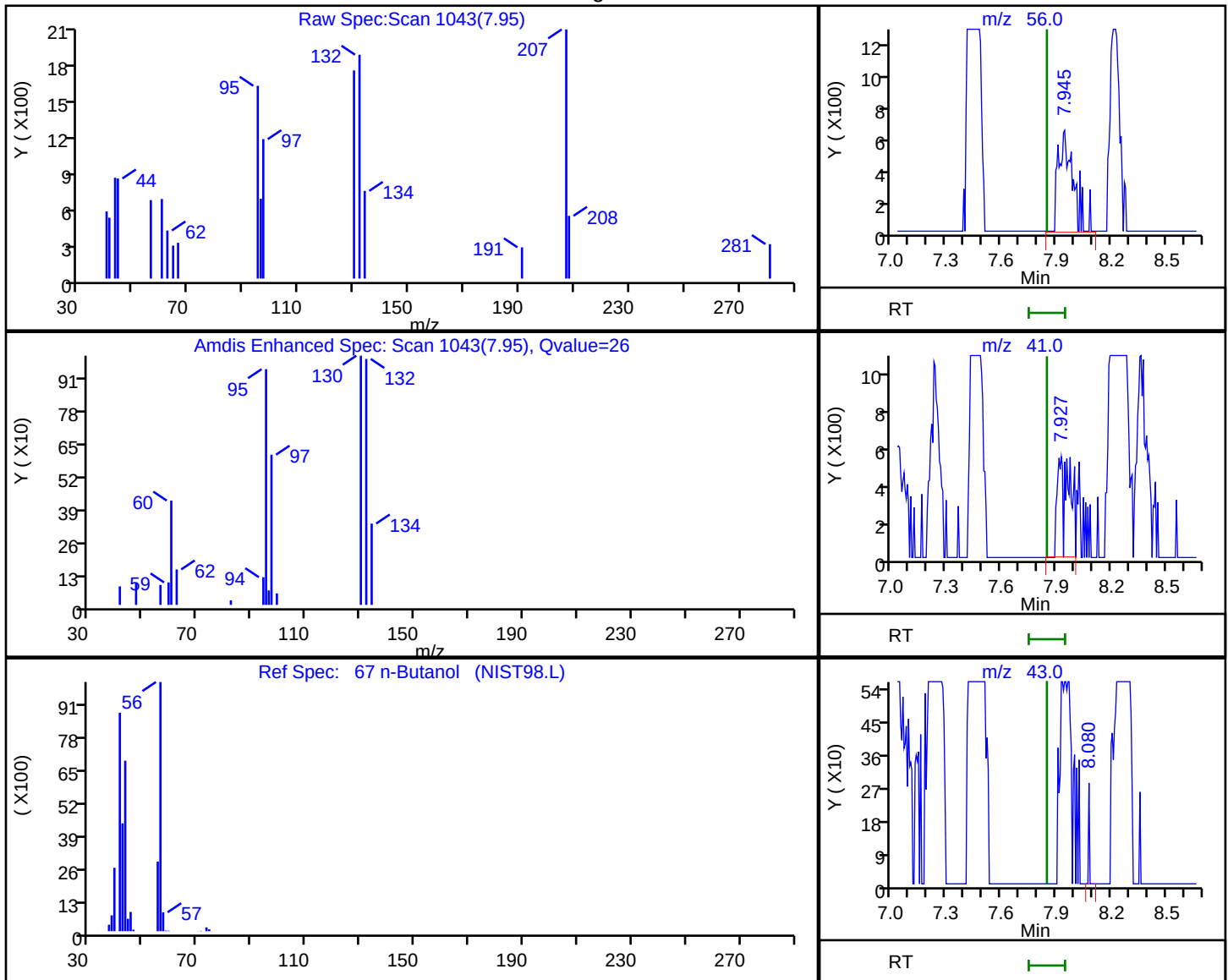
MSV - 8260C_D

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

MS Quad

67 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
7.95	56.00	3438	23.275408
7.93	41.00	2490	
8.08	43.00	102	
7.85	57.00	0	

Reviewer: UCB5, 16-Jun-2024 09:25:15 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X13.D
 Lims ID: IC std2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 14-Jun-2024 22:44:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116727-014
 Misc. Info.: IC STD0.5
 Operator ID: mec29284 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 14:17:38 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: UCB5

Date: 16-Jun-2024 09:30:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.861	1.855	0.006	98	31115	0.5000	0.5142	
5 Chloromethane	50	2.056	2.044	0.012	98	36999	0.5000	0.5184	M
7 Butadiene	39	2.154	2.142	0.012	80	33958	0.5000	0.5158	M
6 Vinyl chloride	62	2.166	2.154	0.012	98	36022	0.5000	0.5274	
9 Bromomethane	94	2.495	2.483	0.012	90	22203	0.5000	0.5255	M
10 Chloroethane	64	2.532	2.526	0.006	99	20128	0.5000	0.5151	
11 Dichlorofluoromethane	67	2.751	2.745	0.006	96	53623	0.5000	0.5296	M
12 Trichlorofluoromethane	101	2.843	2.843	0.000	81	36249	0.5000	0.5179	
13 Ethyl ether	59	3.044	3.038	0.006	93	13427	0.4999	0.4983	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.129	3.129	0.000	93	30136	0.5000	0.5258	
17 Acrolein	56	3.215	3.196	0.019	100	87000	25.1	26.4	M
18 1,1-Dichloroethene	96	3.331	3.324	0.006	97	19027	0.5000	0.5087	
19 Acetone	43	3.361	3.355	0.006	81	20237	5.00	5.07	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.379	3.367	0.012	91	19102	0.5000	0.4851	
22 Iodomethane	142	3.519	3.501	0.018	98	34376	0.5000	0.5106	
21 Isopropyl alcohol	45	3.538	3.532	0.006	32	7656	10.0	10.3	M
23 Ethyl bromide	108	3.532	3.532	0.000	96	16878	0.5009	0.5219	
24 Carbon disulfide	76	3.611	3.599	0.012	99	69997	0.5000	0.5232	M
25 Methyl acetate	43	3.776	3.751	0.025	26	4646	0.5000	0.4273	
27 3-Chloro-1-propene	41	3.782	3.763	0.019	92	34656	0.5000	0.4984	
29 Methylene Chloride	84	3.958	3.940	0.018	93	23039	0.5000	0.5297	
* 30 t-Butyl alcohol-d10 (IS)	65	3.977	3.977	0.000	98	74267	50.0	50.0	
31 2-Methyl-2-propanol	59	4.111	4.080	0.031	97	14664	10.0	11.3	M
32 Acrylonitrile	53	4.324	4.269	0.055	33	6554	1.25	1.11	
33 Methyl tert-butyl ether	73	4.336	4.330	0.006	95	43791	0.5000	0.4956	
34 trans-1,2-Dichloroethene	96	4.349	4.330	0.019	96	22944	0.5000	0.5094	
35 Hexane	57	4.781	4.763	0.018	93	28827	0.5000	0.4787	
37 1,1-Dichloroethane	63	5.001	4.995	0.006	95	43209	0.5000	0.5147	
38 Isopropyl ether	45	5.068	5.062	0.006	94	69199	0.5000	0.4831	
39 2-Chloro-1,3-butadiene	53	5.123	5.105	0.019	91	31698	0.5000	0.4868	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.611	5.604	0.007	98	58683	0.5000	0.4926	
41 2-Butanone (MEK)	43	5.854	5.818	0.036	76	39135	5.00	5.43	
42 cis-1,2-Dichloroethene	96	5.842	5.836	0.006	82	25371	0.5000	0.5077	
43 2,2-Dichloropropane	77	5.854	5.848	0.006	62	34336	0.5000	0.4997	
45 Propionitrile	54	5.928	5.903	0.025	97	19776	10.0	9.96	
48 Methacrylonitrile	67	6.135	6.117	0.019	91	37252	5.00	5.03	
S 47 1,2-Dichloroethene, Total	100				0			1.02	
49 Chlorobromomethane	128	6.165	6.165	0.000	96	9320	0.5000	0.5089	
50 Tetrahydrofuran	71	6.208	6.196	0.012	61	4156	2.50	2.28	
51 Chloroform	83	6.330	6.324	0.006	93	43620	0.5000	0.5163	
\$ 52 Dibromofluoromethane (Surr)	113	6.543	6.537	0.006	93	419931	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.555	6.549	0.006	39	35273	0.5000	0.5173	
54 Cyclohexane	56	6.647	6.647	0.000	90	36858	0.5000	0.4787	
55 Carbon tetrachloride	117	6.769	6.757	0.012	95	29199	0.5000	0.5030	
56 1,1-Dichloropropene	75	6.763	6.763	0.000	95	30856	0.5000	0.4879	M
58 Isobutyl alcohol	41	6.970	6.952	0.018	82	11066	25.0	22.7	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.001	6.994	0.007	68	79809	10.0	10.0	
60 Benzene	78	7.031	7.025	0.006	94	95220	0.5000	0.5025	
61 1,2-Dichloroethane	62	7.104	7.092	0.012	96	22192	0.5000	0.5062	
63 Tert-amyl methyl ether	73	7.232	7.232	0.000	98	48825	0.5000	0.4932	
* 64 Fluorobenzene (IS)	96	7.439	7.433	0.006	98	1810978	10.0	10.0	
65 n-Heptane	43	7.458	7.452	0.006	37	33772	0.5000	0.4897	
67 n-Butanol	56	7.903	7.848	0.055	54	11827	43.8	34.0	
68 Trichloroethene	95	7.927	7.915	0.012	99	25211	0.5000	0.5187	
69 Methylcyclohexane	83	8.220	8.220	0.000	90	37952	0.5000	0.4767	
70 1,2-Dichloropropane	63	8.250	8.244	0.006	95	23391	0.5000	0.4849	
71 2-ethoxy-2-methyl butane	87	8.275	8.269	0.006	90	32322	0.5000	0.4727	
73 1,4-Dioxane	88	8.360	8.348	0.012	35	1587	25.0	26.0	M
72 Methyl methacrylate	69	8.360	8.348	0.012	80	6012	0.5000	0.4678	
74 Dibromomethane	93	8.360	8.354	0.006	95	9348	0.5000	0.4969	
76 Dichlorobromomethane	83	8.592	8.592	0.000	99	26020	0.5000	0.4910	
77 2-Nitropropane	41	8.872	8.866	0.006	98	10719	2.50	2.58	
79 1-Bromo-2-chloroethane	63	8.988	8.982	0.006	96	19055	0.5000	0.4927	
81 cis-1,3-Dichloropropene	75	9.165	9.152	0.013	95	30999	0.5000	0.4806	
82 4-Methyl-2-pentanone (MIBK)	43	9.354	9.348	0.006	98	87033	5.00	4.84	
\$ 83 Toluene-d8 (Surr)	98	9.476	9.476	0.000	94	1785281	10.0	9.98	
84 Toluene	92	9.555	9.555	0.000	97	60116	0.5000	0.4995	
85 trans-1,3-Dichloropropene	75	9.835	9.823	0.012	92	23935	0.5000	0.4739	
86 Ethyl methacrylate	69	9.908	9.896	0.012	86	12941	0.5000	0.4071	
107 1,1,2-Trichloroethane	97	10.030	10.030	0.000	91	14110	0.5000	0.5208	
S 106 1,3-Dichloropropene, Total	100				0			0.9544	
108 Tetrachloroethene	166	10.116	10.116	0.000	96	25584	0.5000	0.5008	
109 1,3-Dichloropropane	76	10.195	10.195	0.000	89	24447	0.5000	0.5011	
110 2-Hexanone	43	10.274	10.262	0.012	98	45766	5.00	3.96	
112 Chlorodibromomethane	129	10.414	10.408	0.006	91	15393	0.5000	0.4720	
113 Ethylene Dibromide	107	10.524	10.518	0.006	96	11838	0.5000	0.4917	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	87	1301763	10.0	10.0	
115 1-Chlorohexane	91	10.975	10.975	0.000	95	33096	0.5000	0.4895	
116 Chlorobenzene	112	10.988	10.988	0.000	95	67207	0.5000	0.5044	
117 1,1,1,2-Tetrachloroethane	131	11.073	11.073	0.000	93	21982	0.5000	0.4995	
118 Ethylbenzene	91	11.079	11.079	0.000	98	114454	0.5000	0.4929	
120 m-Xylene & p-Xylene	106	11.195	11.195	0.000	100	87408	1.00	0.9746	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 119 Xylenes, Total	106				0			1.45	
121 o-Xylene	106	11.524	11.524	0.000	96	41191	0.5000	0.4731	
122 Styrene	104	11.548	11.542	0.006	95	59686	0.5000	0.4523	M
123 Bromoform	173	11.695	11.695	0.000	94	8209	0.5000	0.4709	
124 Isopropylbenzene	105	11.829	11.829	0.000	96	99805	0.5000	0.4768	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	89	625942	10.0	9.77	
128 1,1,2,2-Tetrachloroethane	83	12.079	12.073	0.006	94	15996	0.5000	0.5031	
129 Bromobenzene	156	12.085	12.085	0.000	95	25034	0.5000	0.5026	
130 trans-1,4-Dichloro-2-butene	53	12.103	12.097	0.006	89	32607	5.00	4.52	
131 1,2,3-Trichloropropane	110	12.121	12.115	0.006	72	4052	0.5000	0.5072	
132 N-Propylbenzene	91	12.158	12.158	0.000	99	135338	0.5000	0.4934	
133 2-Chlorotoluene	126	12.231	12.231	0.000	97	27366	0.5000	0.5004	
134 1,3,5-Trimethylbenzene	105	12.298	12.292	0.006	94	92774	0.5000	0.4867	
135 4-Chlorotoluene	126	12.329	12.323	0.006	98	27126	0.5000	0.4819	
136 tert-Butylbenzene	134	12.536	12.530	0.006	93	21226	0.5000	0.4953	
137 Pentachloroethane	167	12.567	12.560	0.006	79	13923	0.5000	0.4728	
138 1,2,4-Trimethylbenzene	105	12.579	12.573	0.006	97	94488	0.5000	0.4868	
139 sec-Butylbenzene	105	12.695	12.694	0.001	94	121687	0.5000	0.4893	
140 1,3-Dichlorobenzene	146	12.798	12.792	0.006	99	52009	0.5000	0.4916	
141 4-Isopropyltoluene	119	12.804	12.804	0.000	97	100705	0.5000	0.4774	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	700079	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.865	12.865	0.000	93	56336	0.5000	0.5021	
144 1,2,3-Trimethylbenzene	120	12.877	12.877	0.000	98	44216	0.5000	0.5051	
145 Benzyl chloride	126	12.951	12.944	0.007	98	5279	0.5000	0.4522	
146 p-Diethylbenzene	119	13.005	13.005	0.000	91	58778	0.5000	0.4737	
147 n-Butylbenzene	92	13.097	13.091	0.006	97	57506	0.5000	0.5176	
148 1,2-Dichlorobenzene	146	13.127	13.121	0.006	97	46444	0.5000	0.4954	
150 1,2-Dibromo-3-Chloropropane	155	13.688	13.664	0.024	86	1244	0.5000	0.3555	M
151 1,3,5-Trichlorobenzene	180	13.798	13.792	0.006	98	42011	0.5000	0.5024	M
152 1,2,4-Trichlorobenzene	180	14.231	14.206	0.025	91	30078	0.5000	0.4668	
153 Hexachlorobutadiene	225	14.292	14.292	0.000	97	18073	0.5000	0.5069	
154 Naphthalene	128	14.414	14.389	0.025	97	39795	0.5000	0.4663	M
155 1,2,3-Trichlorobenzene	180	14.548	14.529	0.019	96	23679	0.5000	0.4928	
156 2-Methylnaphthalene	142	15.182	15.127	0.055	93	16662	0.5000	0.4406	M
167 Pentane	43	2.843	2.837	0.006	97	35611	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00133	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00214	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00140	Amount Added: 2.00	Units: uL	
MSV_HP25_ISSS_00084	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 17-Jun-2024 14:17:38

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X13.D

Injection Date: 14-Jun-2024 22:44:30

Instrument ID: 16334

Operator ID: mec29284

Lims ID: IC std2

Worklist Smp#: 14

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

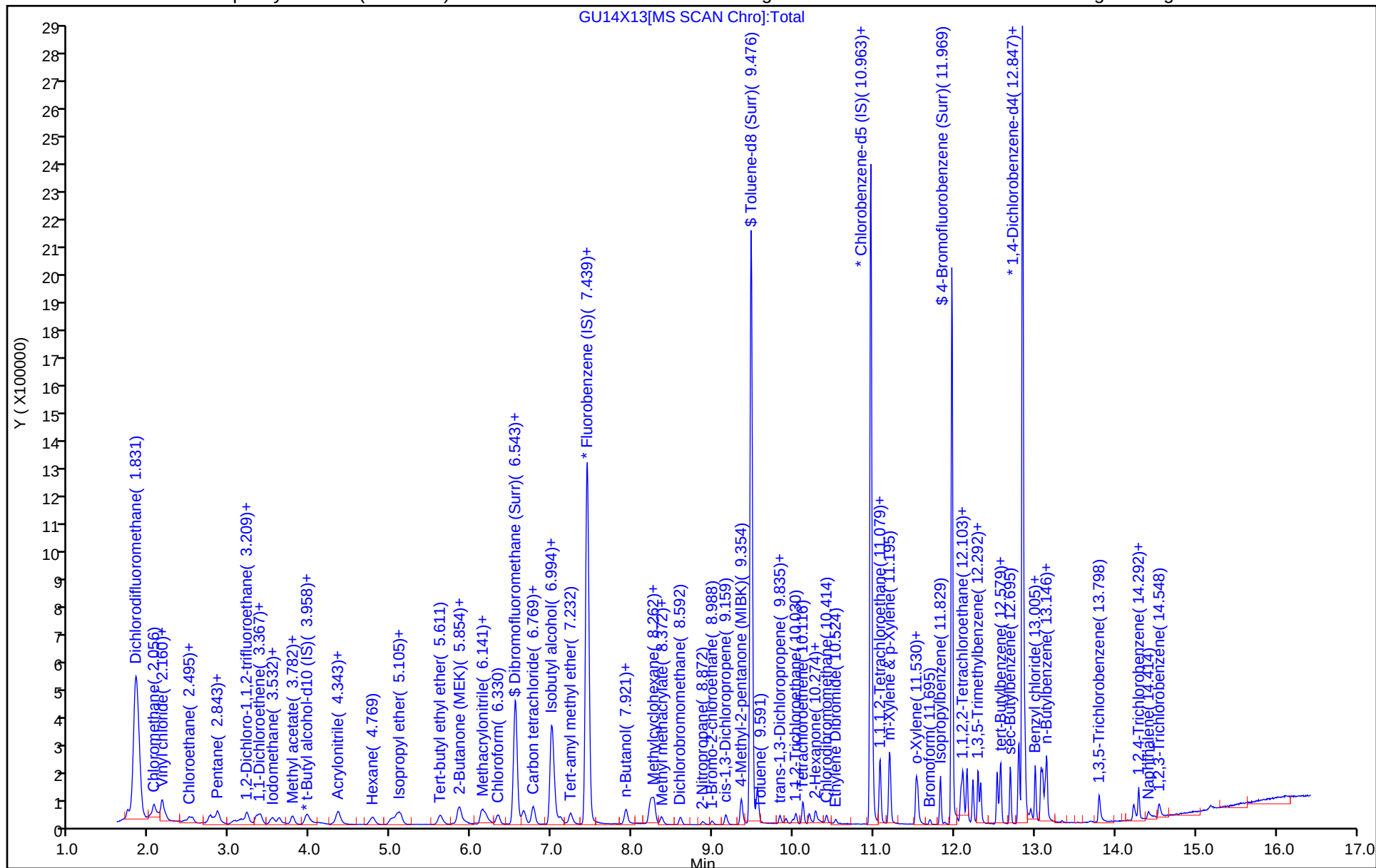
ALS Bottle#: 13

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

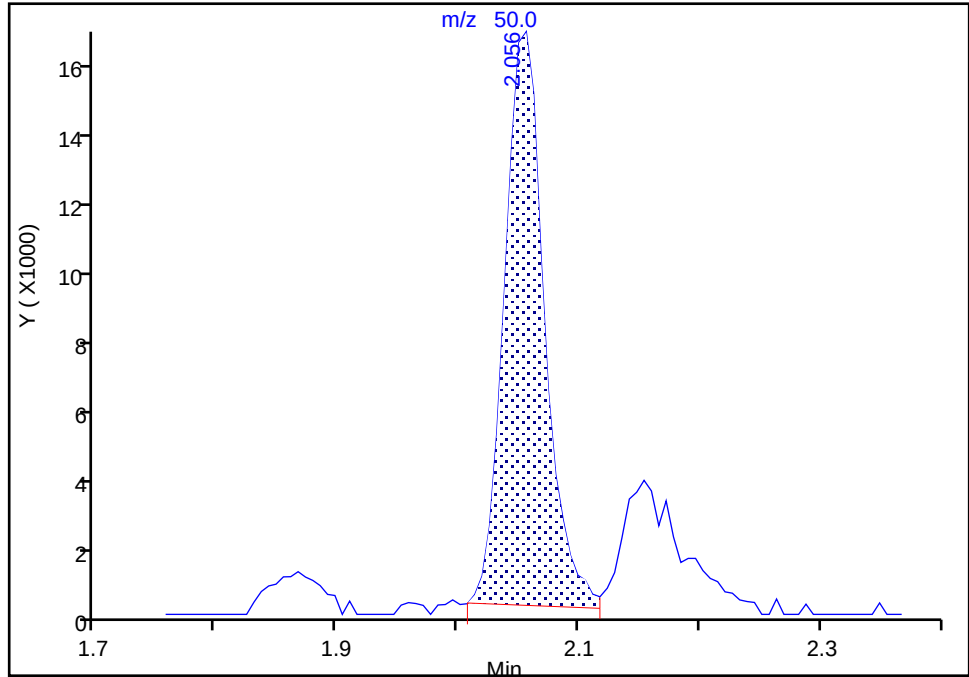
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Injection Date: 14-Jun-2024 22:44:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

5 Chloromethane, CAS: 74-87-3

Signal: 1

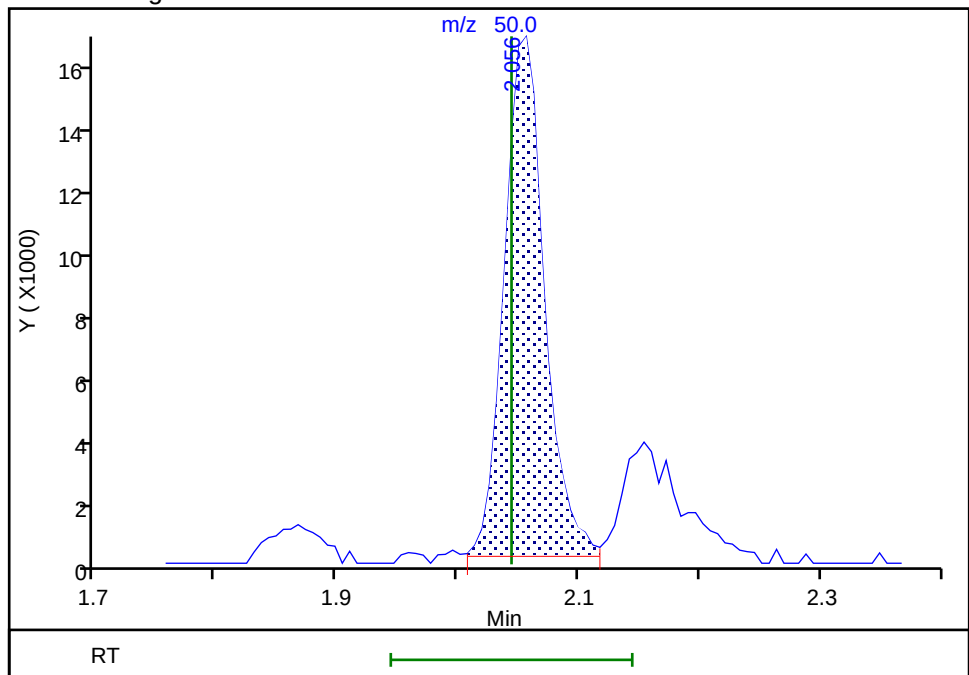
RT: 2.06
Area: 37086
Amount: 0.519421
Amount Units: ug/l

Processing Integration Results



RT: 2.06
Area: 36999
Amount: 0.518383
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:29:37 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

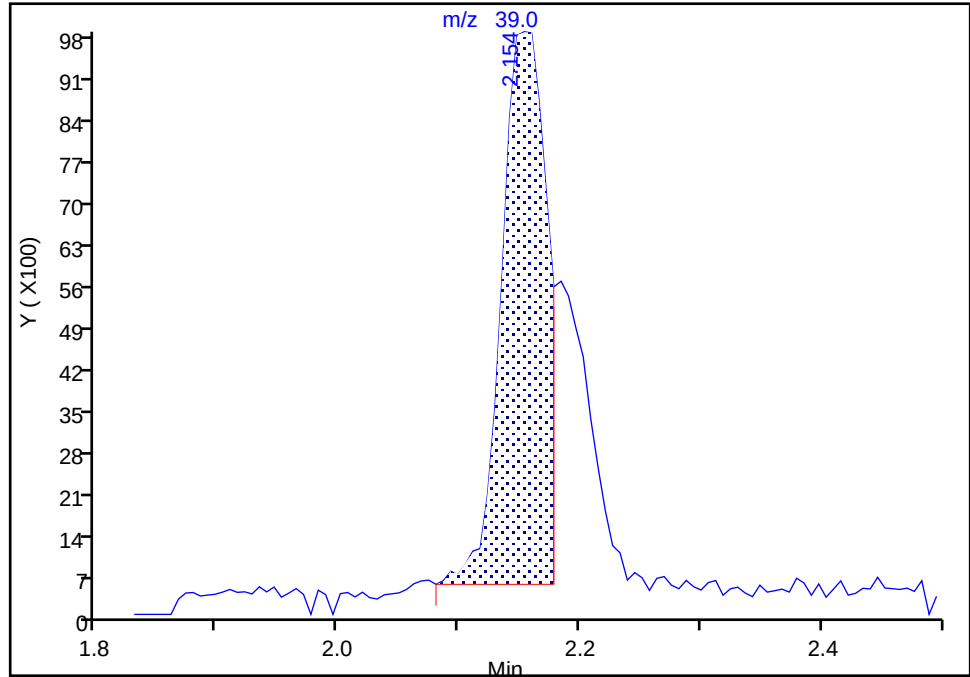
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Injection Date: 14-Jun-2024 22:44:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

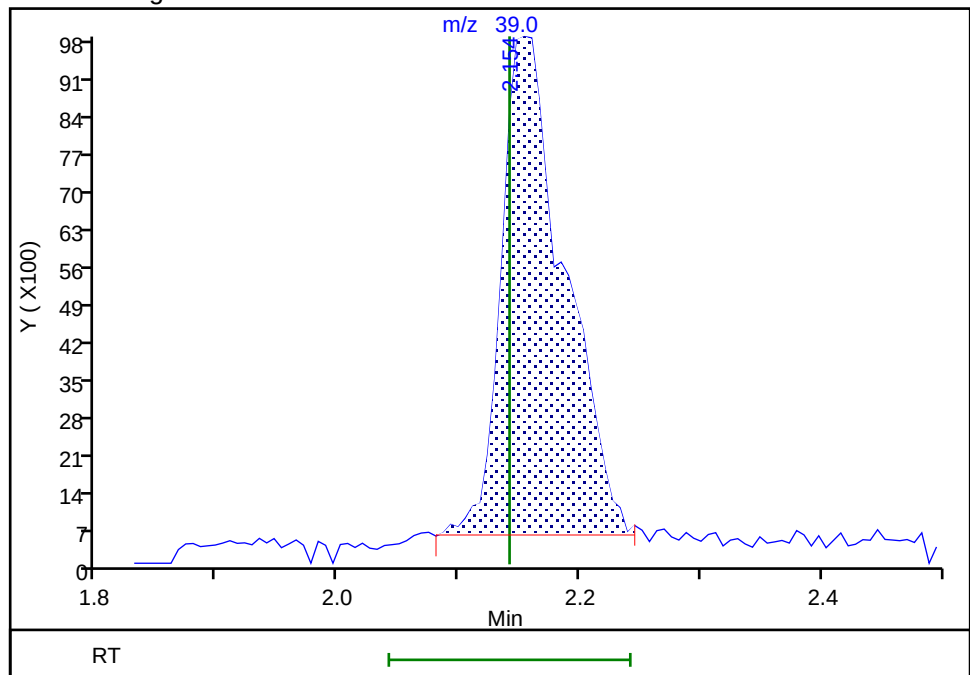
RT: 2.15
Area: 24556
Amount: 0.388940
Amount Units: ug/l

Processing Integration Results



RT: 2.15
Area: 33958
Amount: 0.515818
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:43:04 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

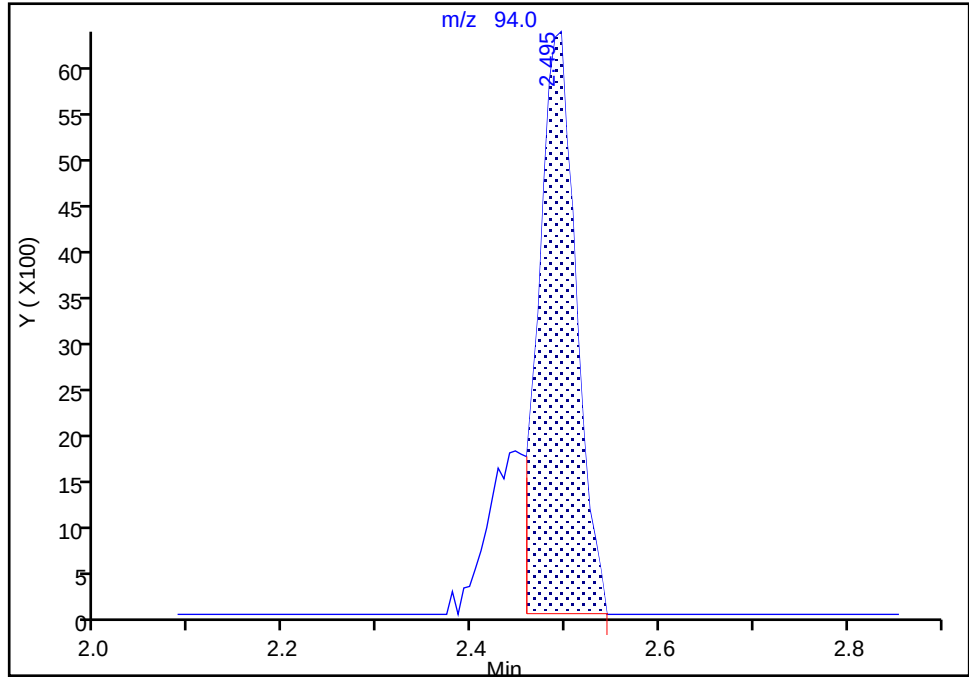
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Injection Date: 14-Jun-2024 22:44:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

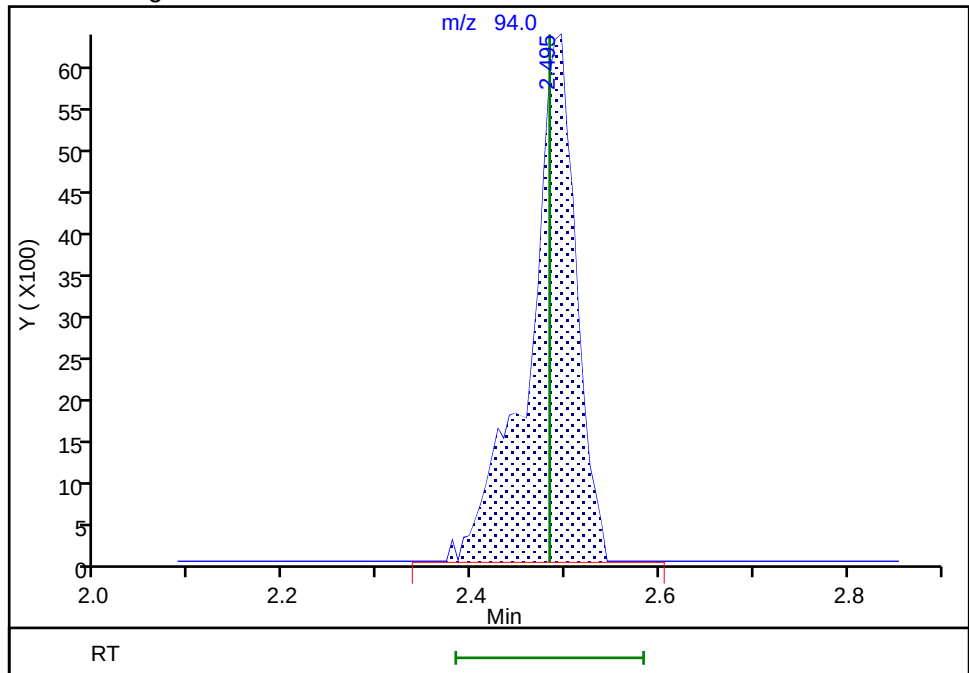
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Area: 17557
Amount: 0.738151
Amount Units: ug/l

Processing Integration Results



RT: 2.50
Area: 22203
Amount: 0.525510
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:43:13 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

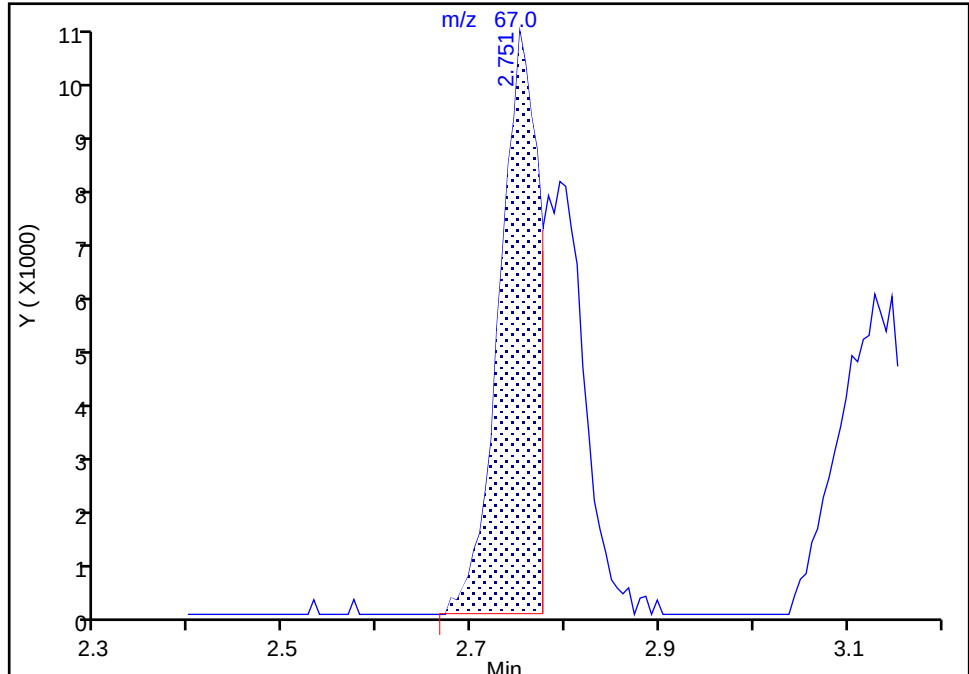
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Injection Date: 14-Jun-2024 22:44:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

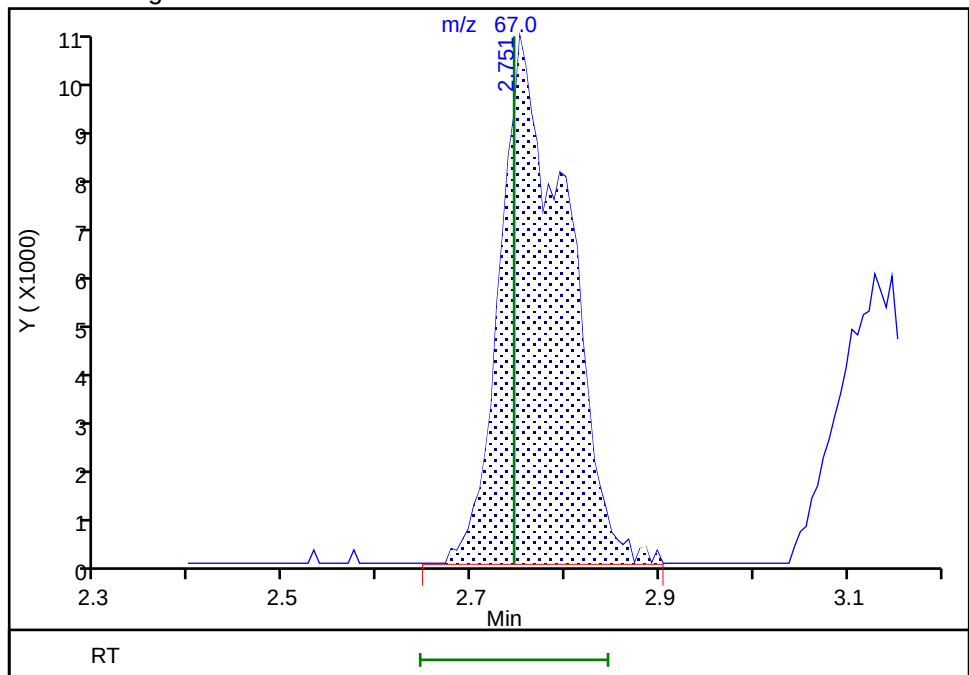
RT: 2.75
Area: 31425
Amount: 0.390524
Amount Units: ug/l

Processing Integration Results



RT: 2.75
Area: 53623
Amount: 0.529575
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:43:18 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

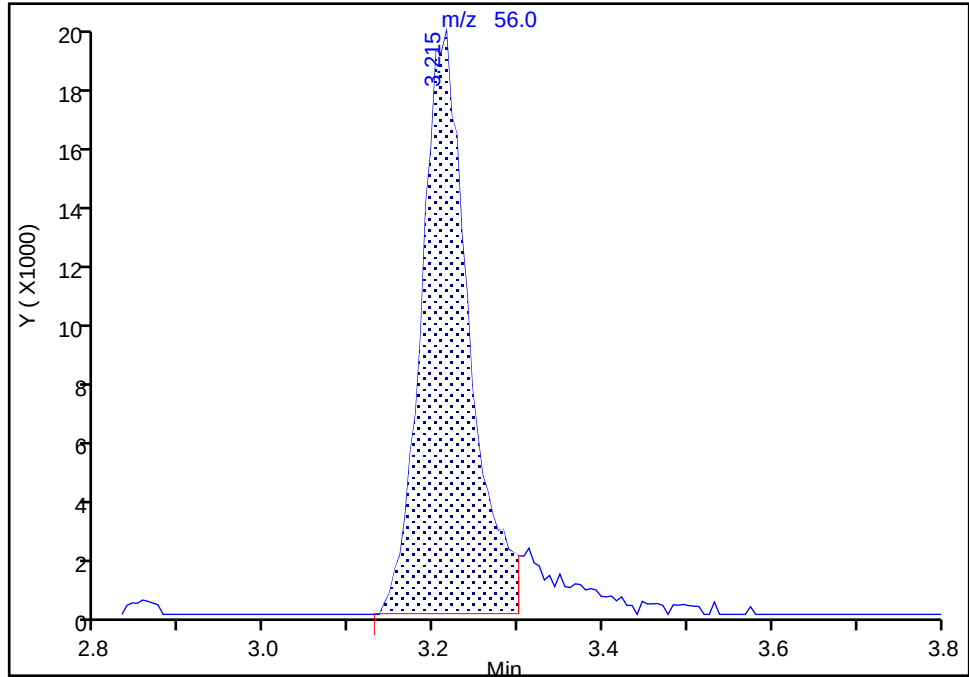
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Injection Date: 14-Jun-2024 22:44:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

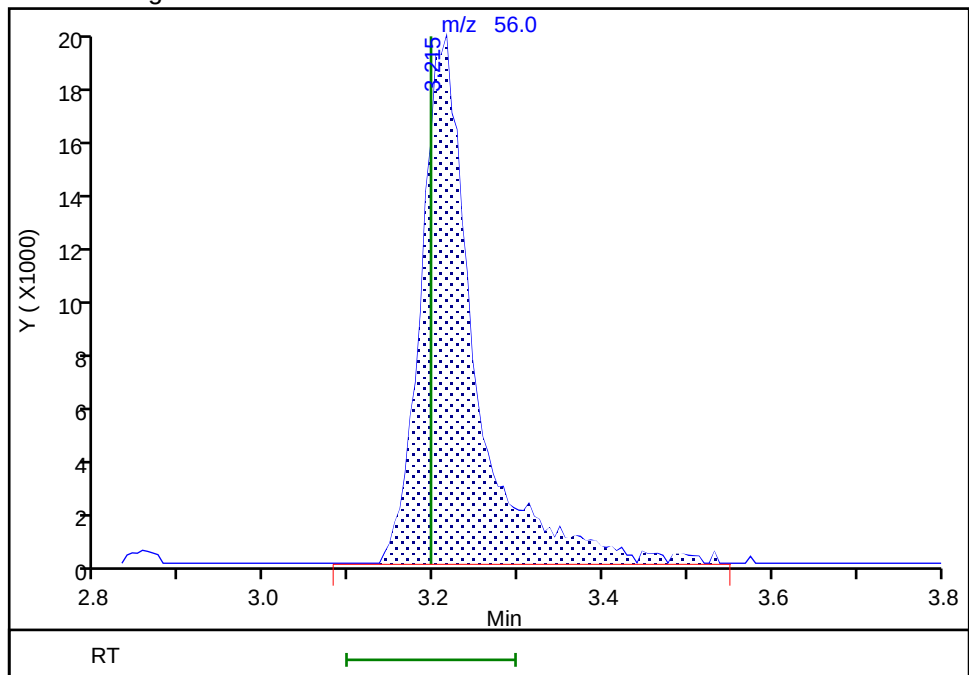
RT: 3.21
Area: 77397
Amount: 23.910174
Amount Units: ug/l

Processing Integration Results



RT: 3.21
Area: 87000
Amount: 26.429758
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:43:41 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

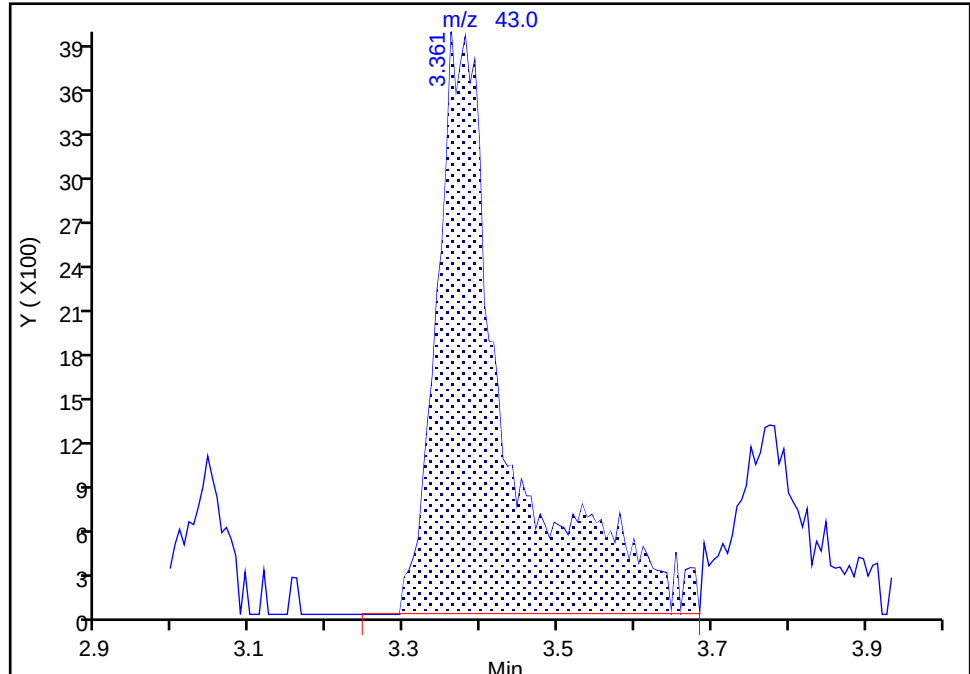
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Injection Date: 14-Jun-2024 22:44:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

19 Acetone, CAS: 67-64-1

Signal: 1

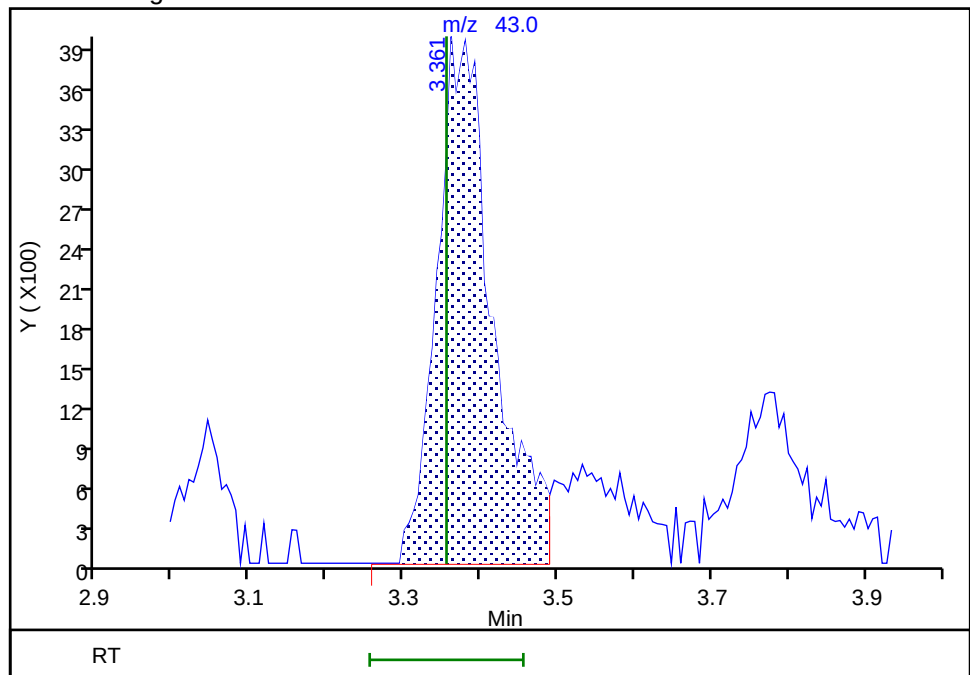
RT: 3.36
Area: 25514
Amount: 5.869089
Amount Units: ug/l

Processing Integration Results



RT: 3.36
Area: 20237
Amount: 5.067277
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:44:21 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

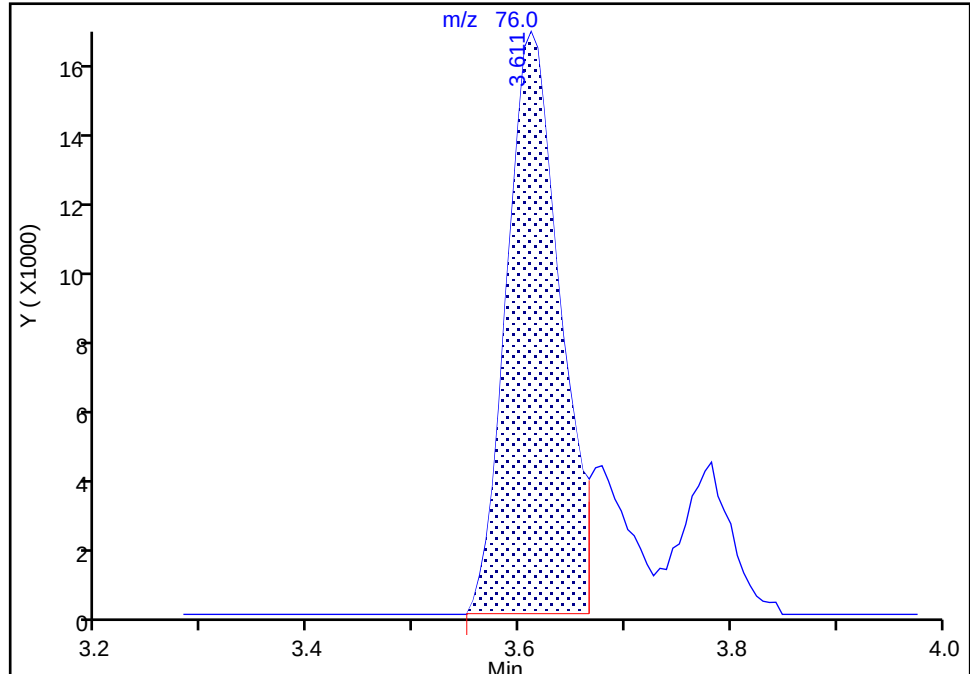
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X13.D
Injection Date: 14-Jun-2024 22:44:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

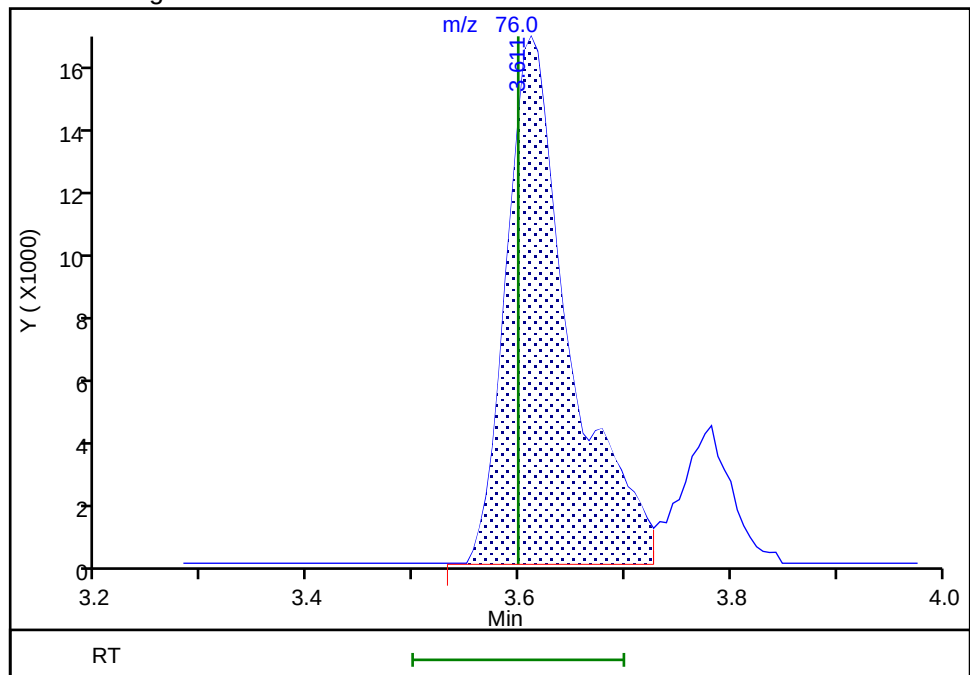
RT: 3.61
Area: 59787
Amount: 0.456831
Amount Units: ug/l

Processing Integration Results



RT: 3.61
Area: 69997
Amount: 0.523184
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:45:14 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

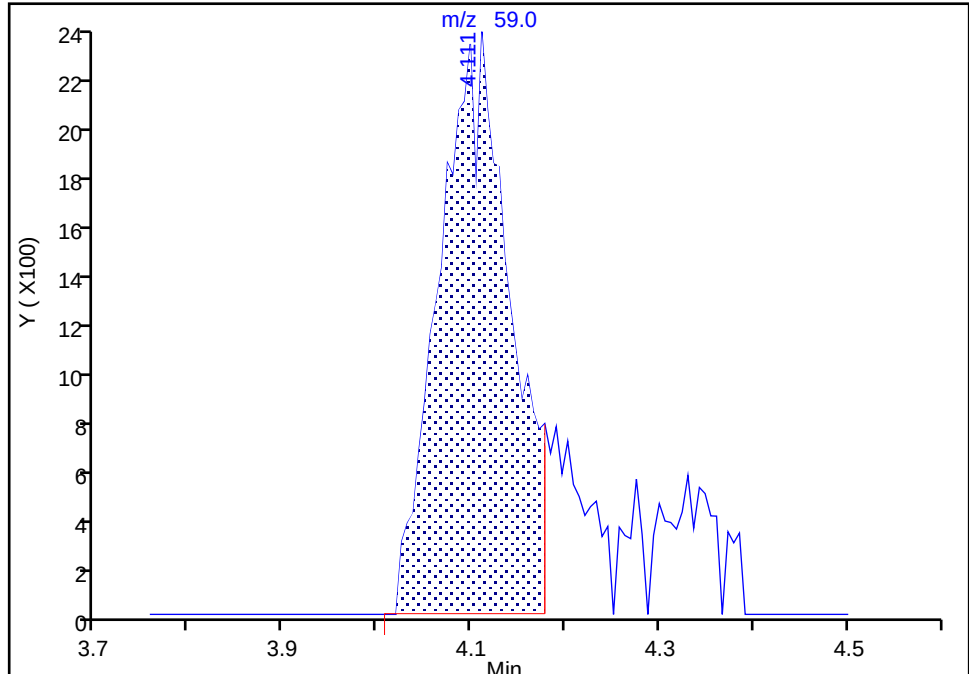
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X13.D
Injection Date: 14-Jun-2024 22:44:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

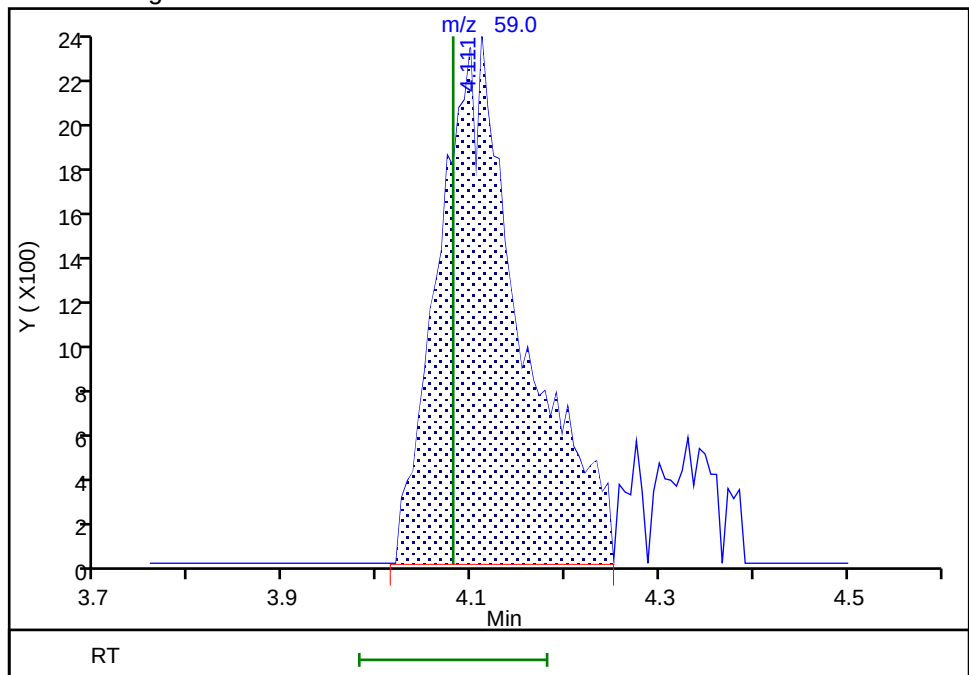
RT: 4.11
Area: 12578
Amount: 9.881443
Amount Units: ug/l

Processing Integration Results



RT: 4.11
Area: 14664
Amount: 11.256698
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:45:50 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

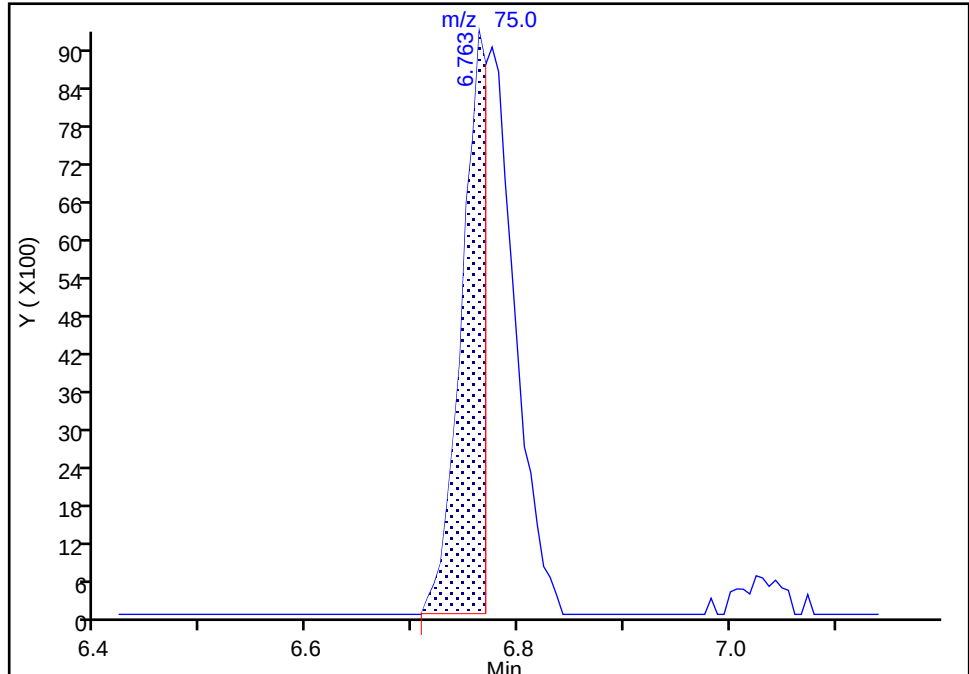
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X13.D
Injection Date: 14-Jun-2024 22:44:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

56 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

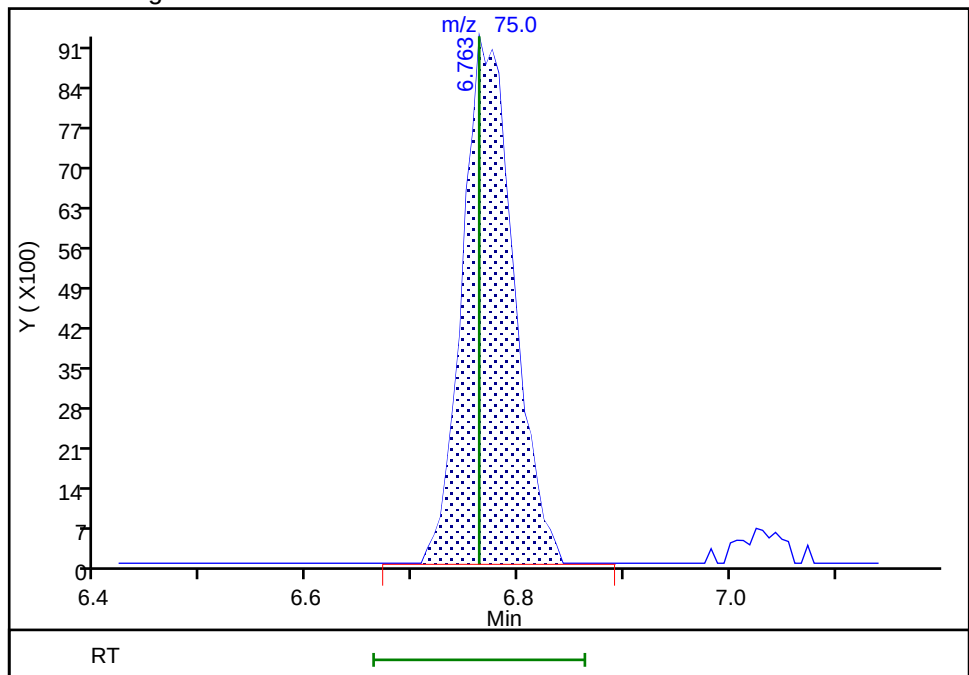
RT: 6.76
Area: 15436
Amount: 0.262342
Amount Units: ug/l

Processing Integration Results



RT: 6.76
Area: 30856
Amount: 0.487880
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:46:33 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

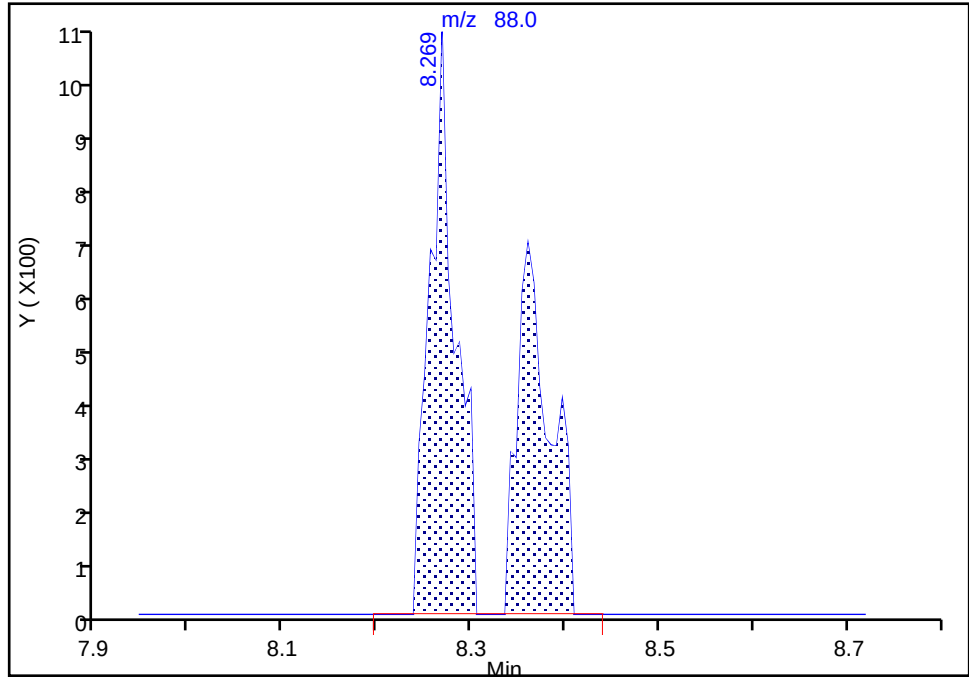
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Injection Date: 14-Jun-2024 22:44:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

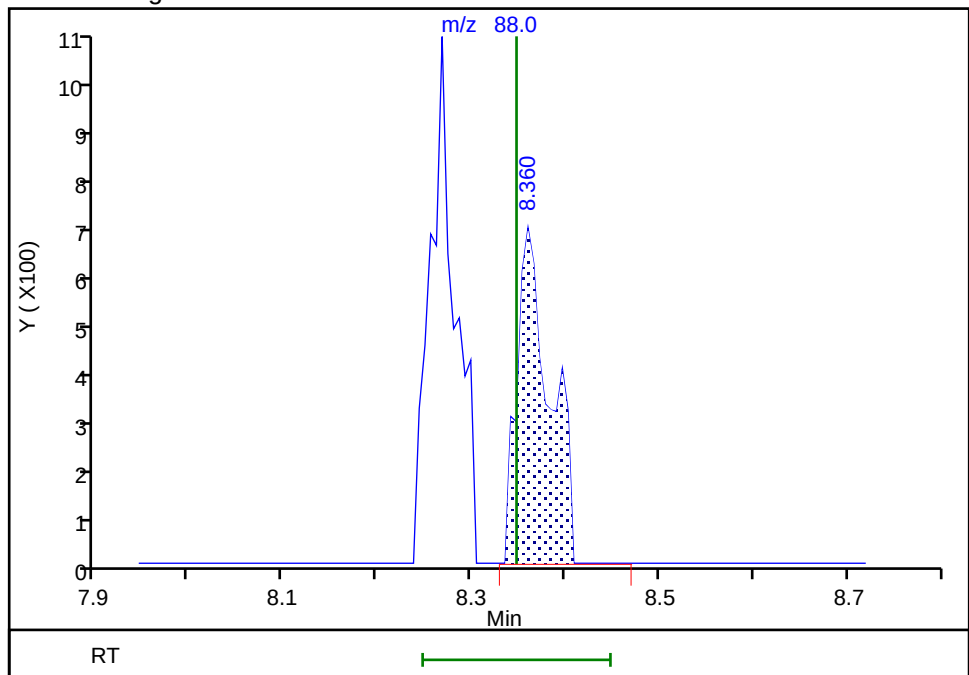
RT: 8.27
Area: 3526
Amount: 20.341434
Amount Units: ug/l

Processing Integration Results



RT: 8.36
Area: 1587
Amount: 25.974433
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:16:23 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

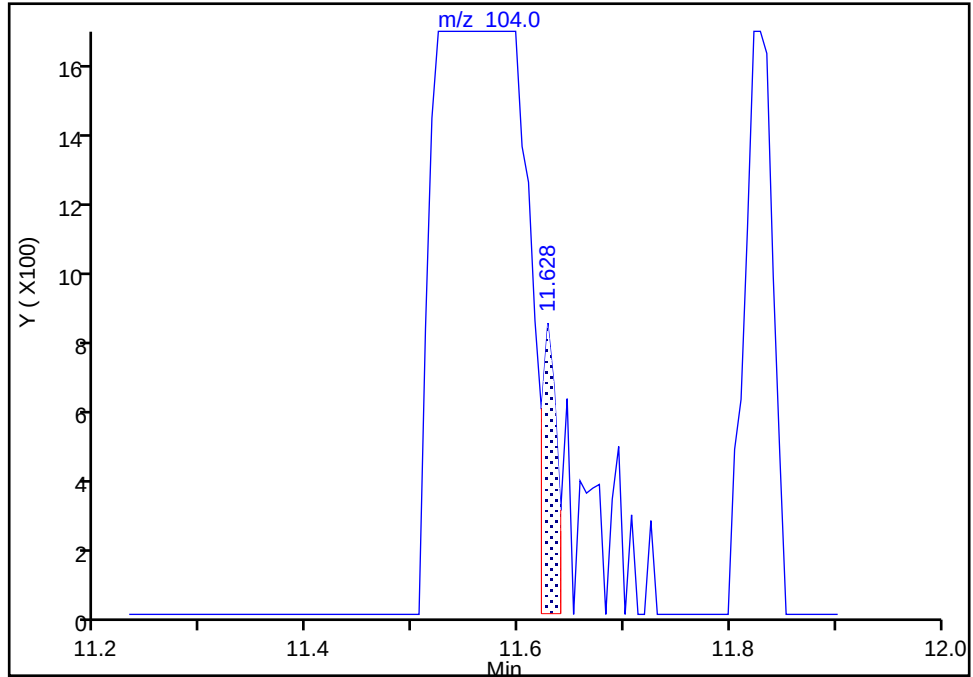
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X13.D
Injection Date: 14-Jun-2024 22:44:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

122 Styrene, CAS: 100-42-5

Signal: 1

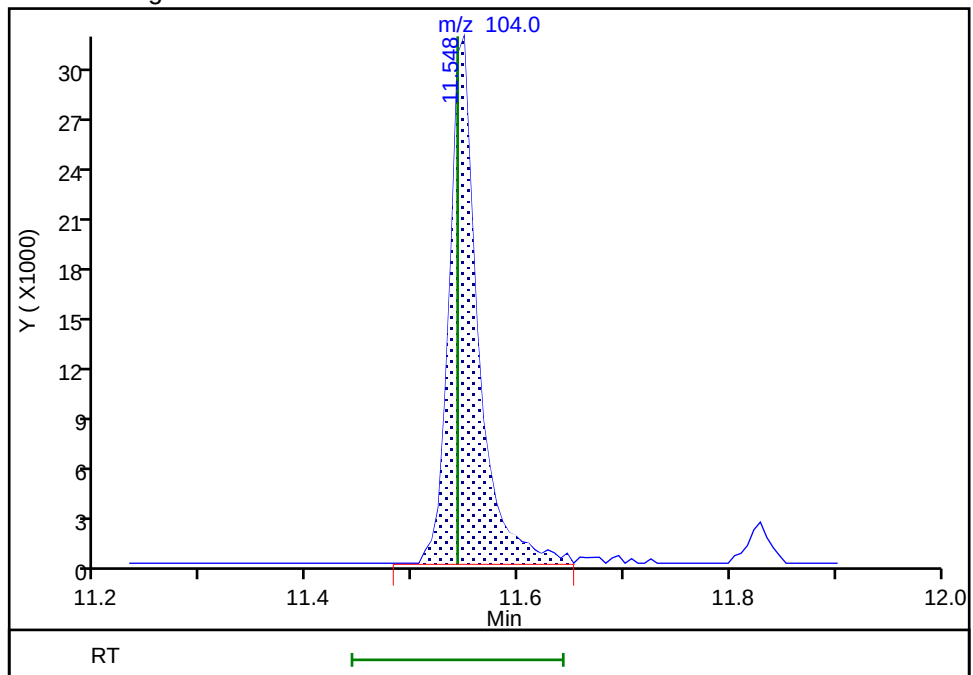
RT: 11.63
Area: 836
Amount: 0.007261
Amount Units: ug/l

Processing Integration Results



RT: 11.55
Area: 59686
Amount: 0.452339
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:48:18 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

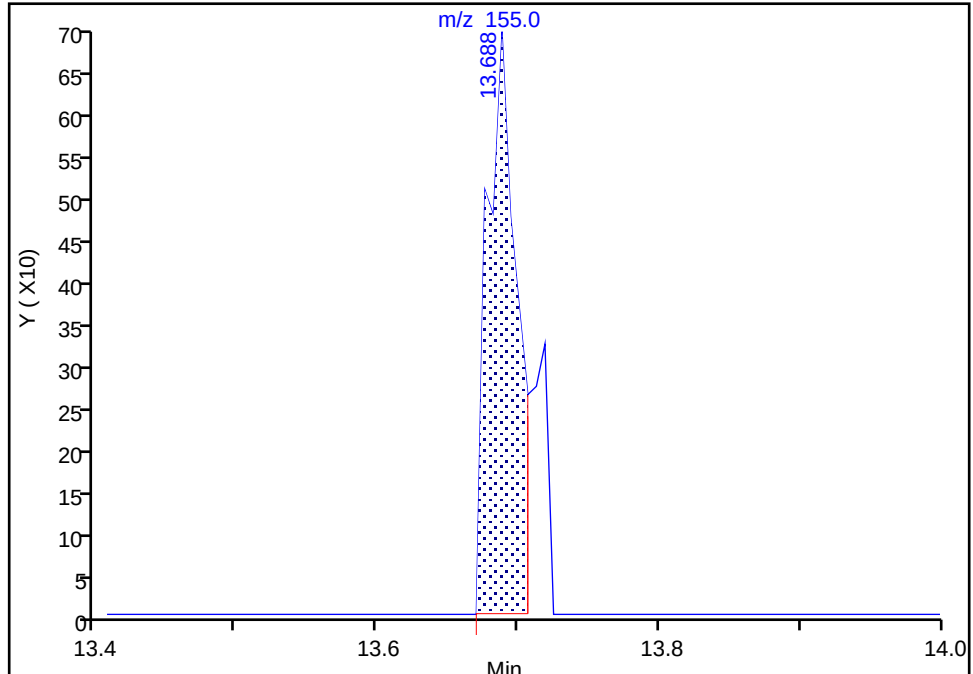
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X13.D
Injection Date: 14-Jun-2024 22:44:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

150 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8
Signal: 1

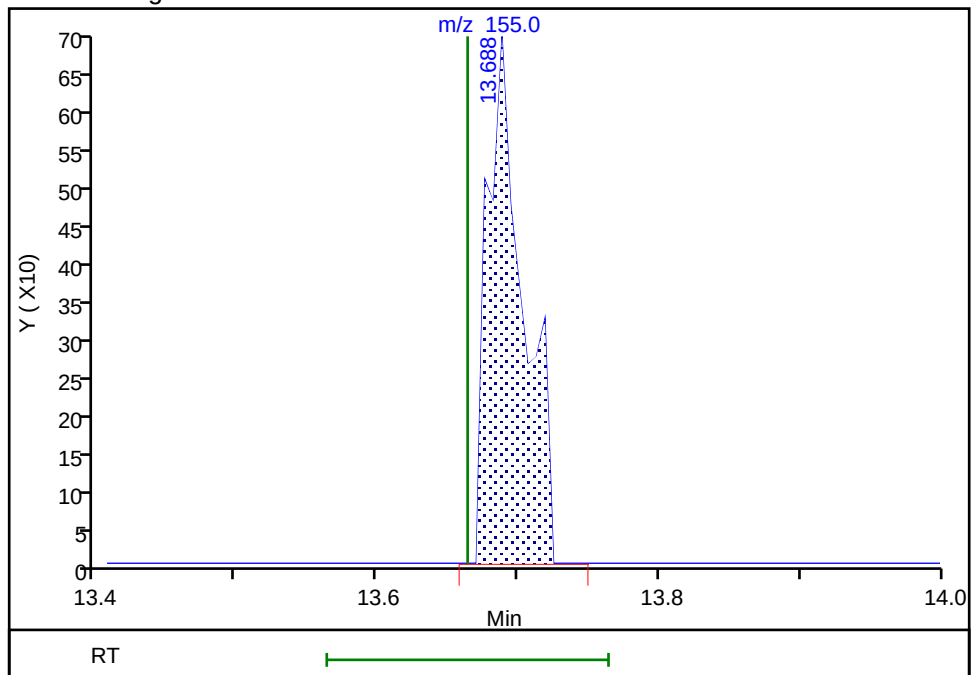
RT: 13.69
Area: 1024
Amount: 0.298871
Amount Units: ug/l

Processing Integration Results



RT: 13.69
Area: 1244
Amount: 0.355473
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:49:09 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

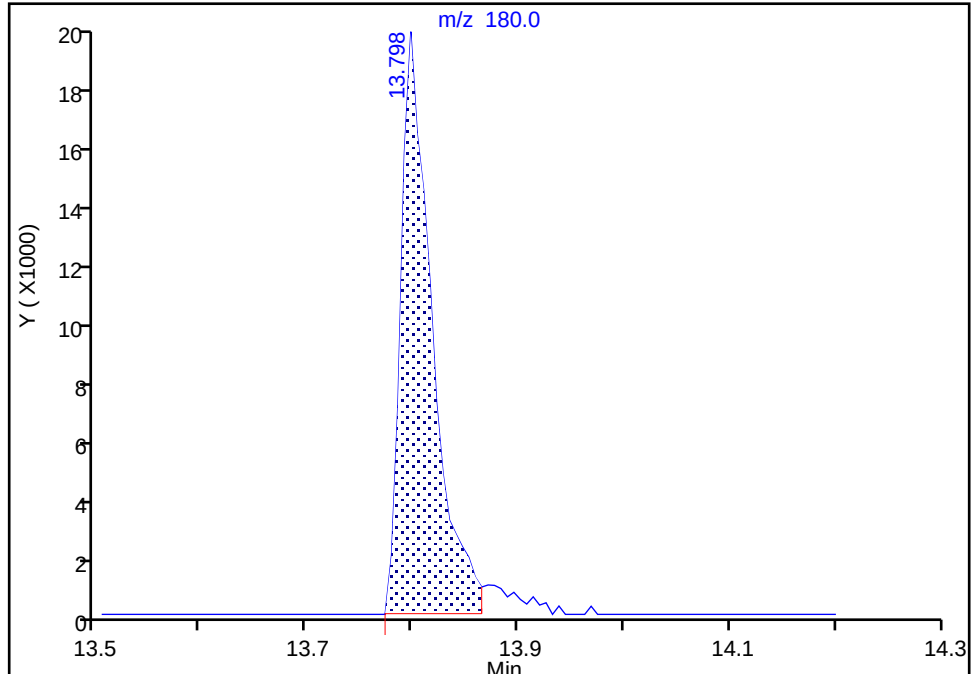
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X13.D
Injection Date: 14-Jun-2024 22:44:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

151 1,3,5-Trichlorobenzene, CAS: 108-70-3
Signal: 1

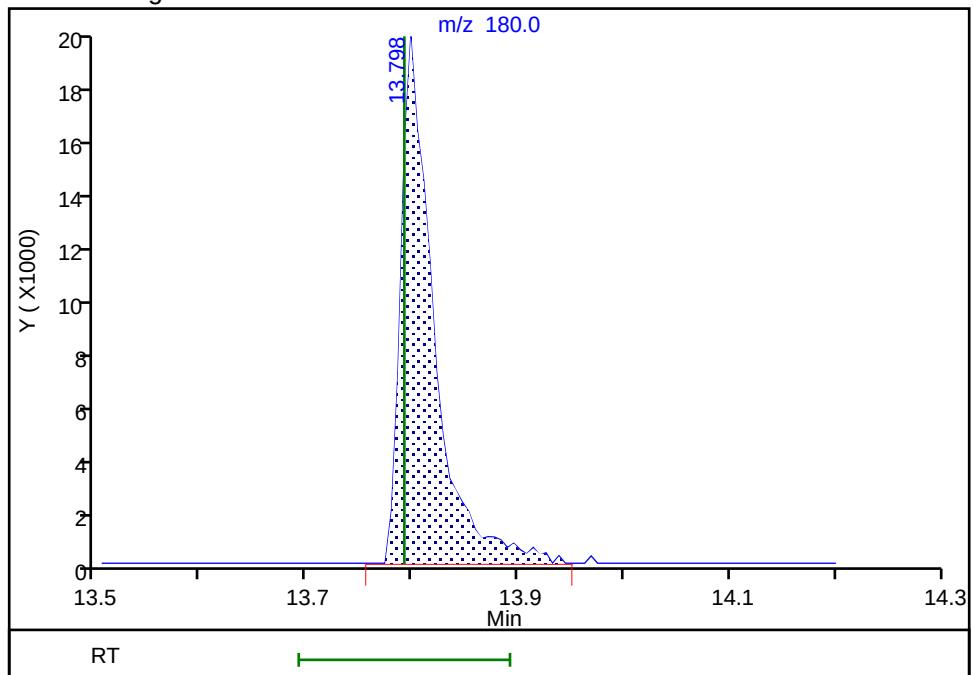
RT: 13.80
Area: 39634
Amount: 0.477819
Amount Units: ug/l

Processing Integration Results



RT: 13.80
Area: 42011
Amount: 0.502363
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:49:16 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

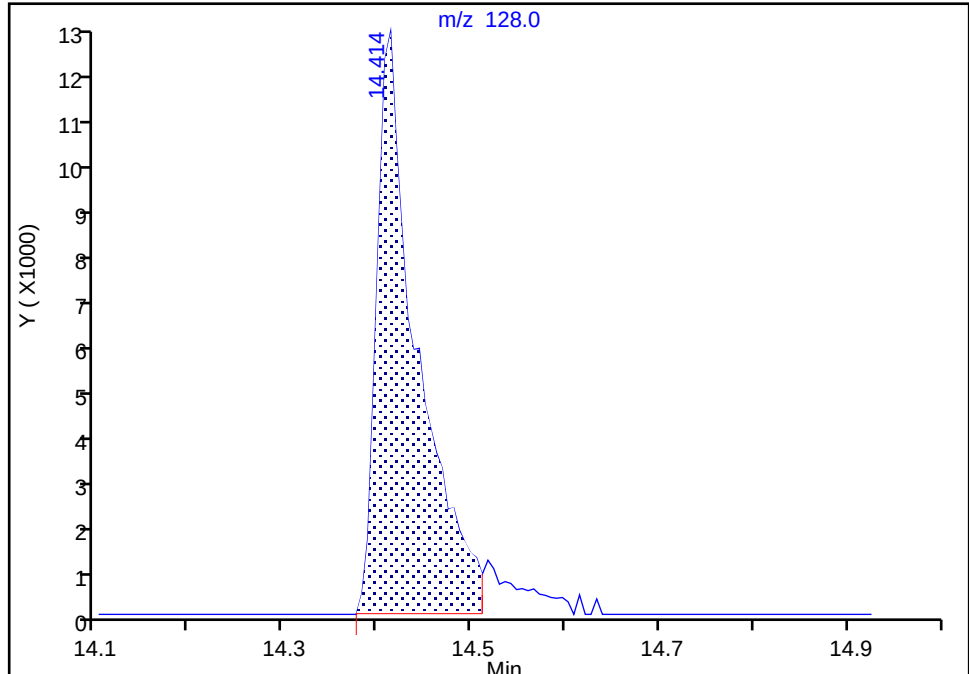
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X13.D
Injection Date: 14-Jun-2024 22:44:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

154 Naphthalene, CAS: 91-20-3

Signal: 1

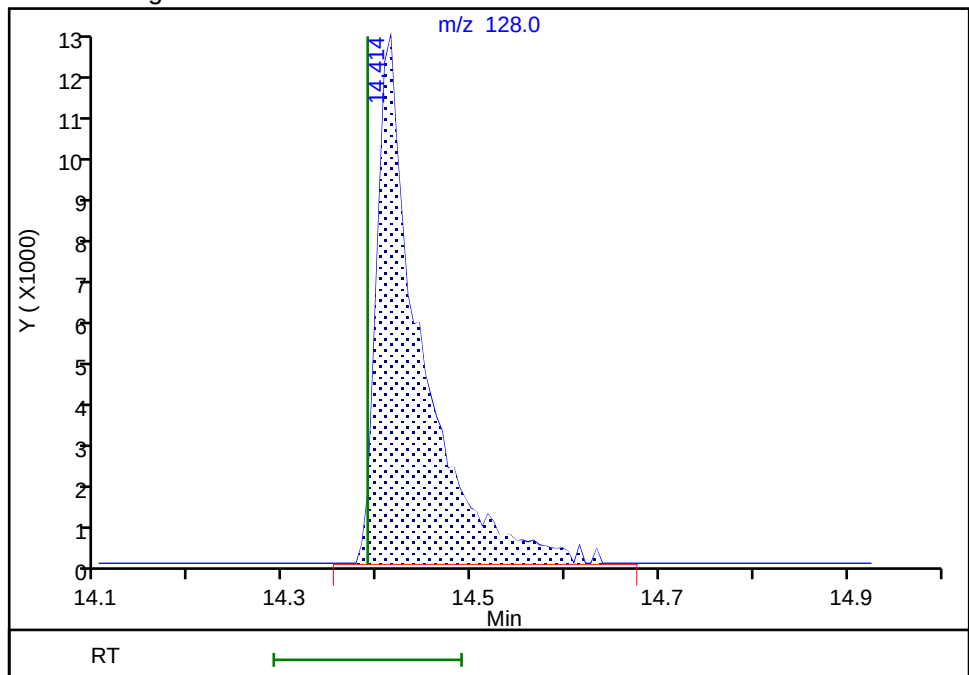
RT: 14.41
Area: 36503
Amount: 0.432521
Amount Units: ug/l

Processing Integration Results



RT: 14.41
Area: 39795
Amount: 0.466330
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:49:23 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X14.D
 Lims ID: IC std3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 14-Jun-2024 23:06:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116727-015
 Misc. Info.: IC STD1
 Operator ID: mec29284 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 14:17:43 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: UCB5

Date: 16-Jun-2024 10:09:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.861	1.855	0.006	99	60852	1.00	0.9394	
5 Chloromethane	50	2.056	2.044	0.012	99	73393	1.00	0.9605	
7 Butadiene	39	2.154	2.142	0.012	89	67181	1.00	0.9532	M
6 Vinyl chloride	62	2.166	2.154	0.012	98	67514	1.00	0.9233	M
9 Bromomethane	94	2.495	2.483	0.012	91	42057	1.00	0.9298	M
10 Chloroethane	64	2.538	2.526	0.012	100	39596	1.00	0.9466	
11 Dichlorofluoromethane	67	2.757	2.745	0.012	96	102326	1.00	0.9439	M
12 Trichlorofluoromethane	101	2.849	2.843	0.006	63	68909	1.00	0.9197	
13 Ethyl ether	59	3.050	3.038	0.012	92	27859	1.00	0.9657	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.147	3.129	0.018	95	57792	1.00	0.9418	
17 Acrolein	56	3.202	3.196	0.006	98	172736	50.1	45.7	
18 1,1-Dichloroethene	96	3.330	3.324	0.006	97	37307	1.00	0.9316	
19 Acetone	43	3.373	3.355	0.018	86	41511	10.0	9.04	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.379	3.367	0.012	91	40127	1.00	0.9519	
22 Iodomethane	142	3.507	3.501	0.006	99	67115	1.00	0.9312	
21 Isopropyl alcohol	45	3.544	3.532	0.012	37	15776	20.0	19.8	
23 Ethyl bromide	108	3.538	3.532	0.006	98	33759	1.00	0.9750	
24 Carbon disulfide	76	3.605	3.599	0.006	99	130290	1.00	0.9096	
25 Methyl acetate	43	3.769	3.751	0.018	25	10779	1.00	0.8625	
27 3-Chloro-1-propene	41	3.781	3.763	0.018	92	70983	1.00	0.9535	
29 Methylene Chloride	84	3.946	3.940	0.006	95	43890	1.00	0.9426	
* 30 t-Butyl alcohol-d10 (IS)	65	3.976	3.977	-0.001	98	85360	50.0	50.0	
31 2-Methyl-2-propanol	59	4.105	4.080	0.024	98	28212	20.0	18.8	
32 Acrylonitrile	53	4.306	4.269	0.037	94	15456	2.50	2.28	
33 Methyl tert-butyl ether	73	4.342	4.330	0.012	80	88178	1.00	0.9322	
34 trans-1,2-Dichloroethene	96	4.354	4.330	0.024	96	45031	1.00	0.9339	M
35 Hexane	57	4.775	4.763	0.012	92	59674	1.00	0.9257	
37 1,1-Dichloroethane	63	5.007	4.995	0.012	96	86494	1.00	0.9623	M
38 Isopropyl ether	45	5.080	5.062	0.018	94	142821	1.00	0.9314	
39 2-Chloro-1,3-butadiene	53	5.117	5.105	0.012	91	63561	1.00	0.9118	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.610	5.604	0.006	98	117961	1.00	0.9250	
41 2-Butanone (MEK)	43	5.836	5.818	0.018	91	80012	10.0	9.65	
42 cis-1,2-Dichloroethene	96	5.842	5.836	0.006	83	49497	1.00	0.9252	
43 2,2-Dichloropropane	77	5.854	5.848	0.006	86	68776	1.00	0.9350	
45 Propionitrile	54	5.927	5.903	0.024	99	42647	20.0	18.7	M
48 Methacrylonitrile	67	6.129	6.117	0.012	91	80277	10.0	9.43	
S 47 1,2-Dichloroethene, Total	100				0			1.86	
49 Chlorobromomethane	128	6.165	6.165	0.000	71	18422	1.00	0.9397	M
50 Tetrahydrofuran	71	6.214	6.196	0.018	79	10540	5.00	5.03	
51 Chloroform	83	6.330	6.324	0.006	93	86223	1.00	0.9533	
\$ 52 Dibromofluoromethane (Surr)	113	6.543	6.537	0.006	93	447834	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.549	6.549	0.000	44	68094	1.00	0.9328	
54 Cyclohexane	56	6.647	6.647	0.000	91	74959	1.00	0.9093	
55 Carbon tetrachloride	117	6.763	6.757	0.006	86	56960	1.00	0.9165	
56 1,1-Dichloropropene	75	6.769	6.763	0.006	95	62821	1.00	0.9278	
58 Isobutyl alcohol	41	6.976	6.952	0.024	92	23302	50.0	44.6	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.000	6.994	0.006	71	86292	10.0	10.1	
60 Benzene	78	7.031	7.025	0.006	95	190364	1.00	0.9383	
61 1,2-Dichloroethane	62	7.104	7.092	0.012	97	43853	1.00	0.9344	
63 Tert-amyl methyl ether	73	7.232	7.232	0.000	98	98419	1.00	0.9287	
* 64 Fluorobenzene (IS)	96	7.439	7.433	0.006	98	1938794	10.0	10.0	
65 n-Heptane	43	7.458	7.452	0.006	93	70035	1.00	0.9486	
67 n-Butanol	56	7.878	7.848	0.030	90	27987	87.5	70.0	
68 Trichloroethene	95	7.921	7.915	0.006	99	48382	1.00	0.9297	
69 Methylcyclohexane	83	8.220	8.220	0.000	93	78124	1.00	0.9165	
70 1,2-Dichloropropane	63	8.244	8.244	0.000	97	48847	1.00	0.9458	
71 2-ethoxy-2-methyl butane	87	8.268	8.269	-0.001	93	67208	1.00	0.9181	
73 1,4-Dioxane	88	8.372	8.348	0.024	35	3606	50.0	38.9	M
72 Methyl methacrylate	69	8.360	8.348	0.012	88	13560	1.00	0.9179	
74 Dibromomethane	93	8.360	8.354	0.006	96	18917	1.00	0.9392	
76 Dichlorobromomethane	83	8.598	8.592	0.006	99	53248	1.00	0.9386	
77 2-Nitropropane	41	8.872	8.866	0.006	99	22153	5.00	4.65	
79 1-Bromo-2-chloroethane	63	8.988	8.982	0.006	99	40124	1.00	0.9691	
81 cis-1,3-Dichloropropene	75	9.158	9.152	0.006	96	63091	1.00	0.9136	
82 4-Methyl-2-pentanone (MIBK)	43	9.353	9.348	0.005	98	190008	10.0	9.18	
\$ 83 Toluene-d8 (Surr)	98	9.475	9.476	-0.001	94	1920028	10.0	10.0	
84 Toluene	92	9.555	9.555	0.000	98	119088	1.00	0.9244	
85 trans-1,3-Dichloropropene	75	9.829	9.823	0.006	93	49472	1.00	0.9151	
86 Ethyl methacrylate	69	9.902	9.896	0.006	90	29628	1.00	0.8709	
107 1,1,2-Trichloroethane	97	10.030	10.030	0.000	90	27456	1.00	0.9467	
S 106 1,3-Dichloropropene, Total	100				0			1.83	
108 Tetrachloroethene	166	10.116	10.116	0.000	97	50972	1.00	0.9321	
109 1,3-Dichloropropane	76	10.195	10.195	0.000	90	48230	1.00	0.9237	
110 2-Hexanone	43	10.268	10.262	0.006	98	114312	10.0	8.61	
112 Chlorodibromomethane	129	10.414	10.408	0.006	90	32207	1.00	0.9226	
113 Ethylene Dibromide	107	10.524	10.518	0.006	98	24124	1.00	0.9361	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	87	1393321	10.0	10.0	
115 1-Chlorohexane	91	10.975	10.975	0.000	98	66021	1.00	0.9124	
116 Chlorobenzene	112	10.987	10.988	-0.001	94	132670	1.00	0.9302	
117 1,1,1,2-Tetrachloroethane	131	11.073	11.073	0.000	96	42821	1.00	0.9091	
118 Ethylbenzene	91	11.079	11.079	0.000	98	228091	1.00	0.9178	
120 m-Xylene & p-Xylene	106	11.195	11.195	0.000	100	174926	2.00	1.82	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 119 Xylenes, Total	106				0			2.75	
121 o-Xylene	106	11.524	11.524	0.000	97	86026	1.00	0.9231	
122 Styrene	104	11.542	11.542	0.000	95	124592	1.00	0.8822	
123 Bromoform	173	11.694	11.695	-0.001	95	16911	1.00	0.9064	
124 Isopropylbenzene	105	11.829	11.829	0.000	96	202507	1.00	0.9038	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	88	688407	10.0	10.0	
128 1,1,2,2-Tetrachloroethane	83	12.072	12.073	-0.001	94	32090	1.00	0.9352	
129 Bromobenzene	156	12.085	12.085	0.000	96	49716	1.00	0.9249	
130 trans-1,4-Dichloro-2-butene	53	12.103	12.097	0.006	95	78028	10.0	9.42	
131 1,2,3-Trichloropropane	110	12.121	12.115	0.006	78	8113	1.00	0.9409	
132 N-Propylbenzene	91	12.158	12.158	0.000	99	273877	1.00	0.9252	
133 2-Chlorotoluene	126	12.231	12.231	0.000	96	55968	1.00	0.9483	
134 1,3,5-Trimethylbenzene	105	12.292	12.292	0.000	94	186986	1.00	0.9089	
135 4-Chlorotoluene	126	12.322	12.323	-0.001	98	58089	1.00	0.9563	
136 tert-Butylbenzene	134	12.530	12.530	0.000	92	42765	1.00	0.9246	
137 Pentachloroethane	167	12.566	12.560	0.006	81	30643	1.00	0.9642	
138 1,2,4-Trimethylbenzene	105	12.578	12.573	0.005	97	189710	1.00	0.9056	
139 sec-Butylbenzene	105	12.694	12.694	0.000	94	243959	1.00	0.9090	
140 1,3-Dichlorobenzene	146	12.798	12.792	0.006	98	105675	1.00	0.9256	
141 4-Isopropyltoluene	119	12.804	12.804	0.000	97	205773	1.00	0.9038	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	95	755531	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.865	12.865	0.000	95	113868	1.00	0.9404	
144 1,2,3-Trimethylbenzene	120	12.877	12.877	0.000	98	86140	1.00	0.9117	
145 Benzyl chloride	126	12.950	12.944	0.006	99	11383	1.00	0.9035	
146 p-Diethylbenzene	119	13.005	13.005	0.000	91	118939	1.00	0.8882	
147 n-Butylbenzene	92	13.097	13.091	0.006	98	106771	1.00	0.8906	
148 1,2-Dichlorobenzene	146	13.127	13.121	0.006	98	96646	1.00	0.9552	
150 1,2-Dibromo-3-Chloropropane	155	13.676	13.664	0.012	80	3226	1.00	0.8542	
151 1,3,5-Trichlorobenzene	180	13.798	13.792	0.006	96	81120	1.00	0.8988	
152 1,2,4-Trichlorobenzene	180	14.218	14.206	0.012	94	62317	1.00	0.8961	
153 Hexachlorobutadiene	225	14.292	14.292	0.000	97	34286	1.00	0.8911	
154 Naphthalene	128	14.401	14.389	0.012	97	77326	1.00	0.8396	
155 1,2,3-Trichlorobenzene	180	14.541	14.529	0.012	95	47205	1.00	0.9103	
156 2-Methylnaphthalene	142	15.163	15.127	0.036	93	35024	1.00	0.8582	M
167 Pentane	43	2.843	2.837	0.006	96	65398	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00133	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00214	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00140	Amount Added: 2.00	Units: uL	
MSV_HP25_ISSS_00084	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 17-Jun-2024 14:17:44

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X14.D

Injection Date: 14-Jun-2024 23:06:30

Instrument ID: 16334

Operator ID: mec29284

Lims ID: IC std3

Worklist Smp#: 15

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

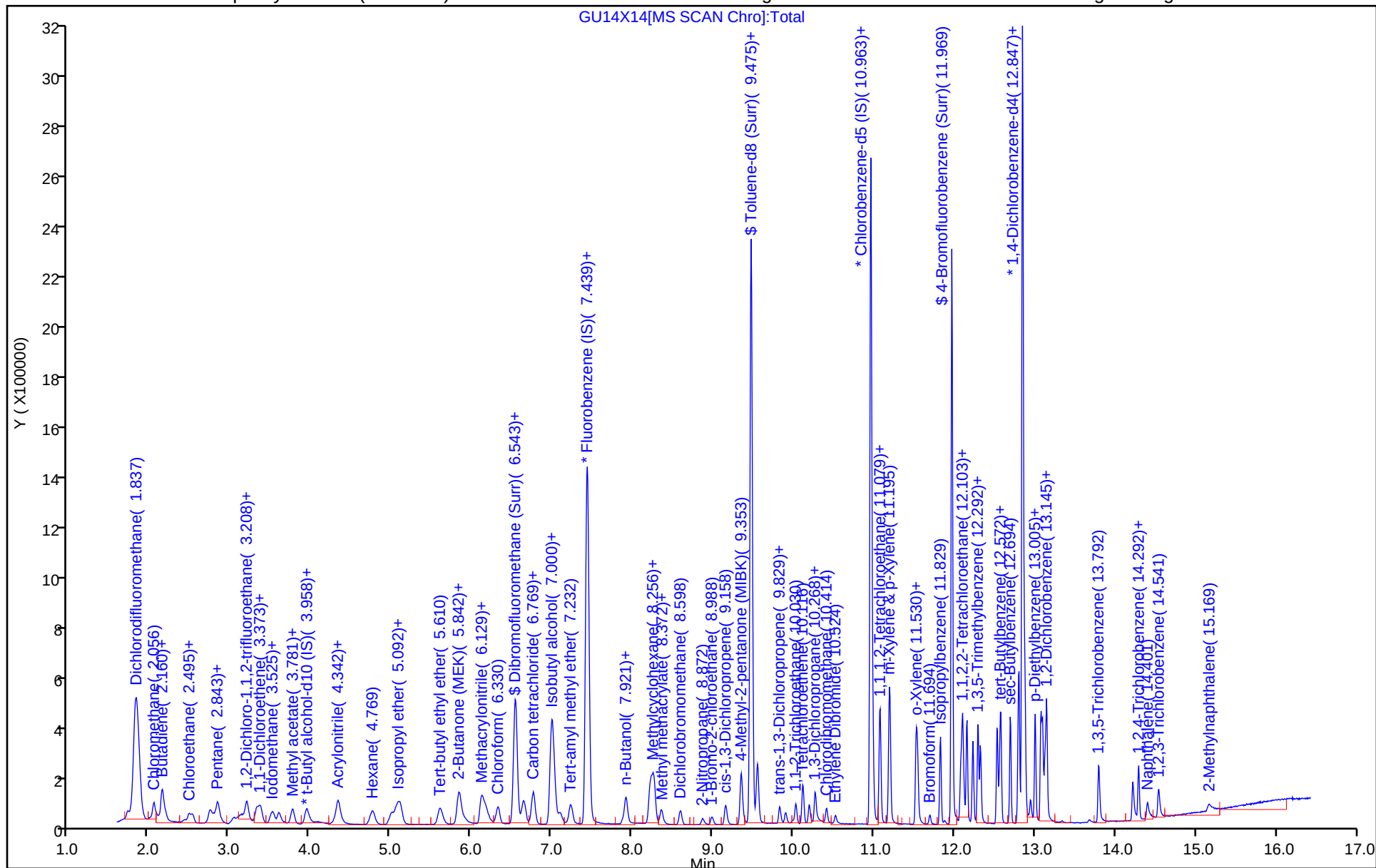
ALS Bottle#: 14

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

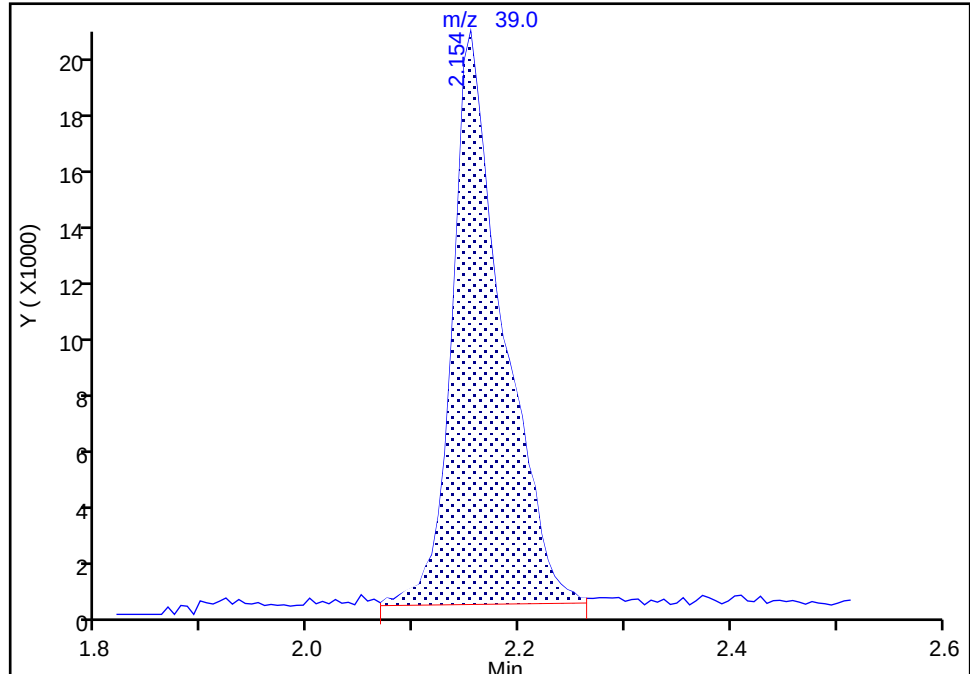
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Injection Date: 14-Jun-2024 23:06:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

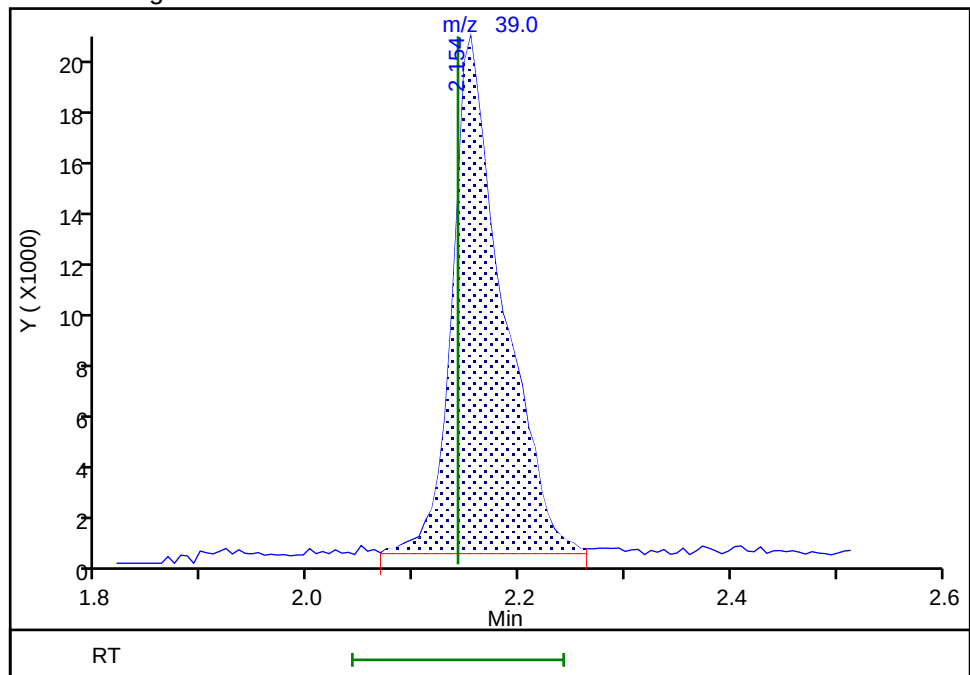
RT: 2.15
Area: 67097
Amount: 0.952167
Amount Units: ug/l

Processing Integration Results



RT: 2.15
Area: 67181
Amount: 0.953197
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:50:28 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

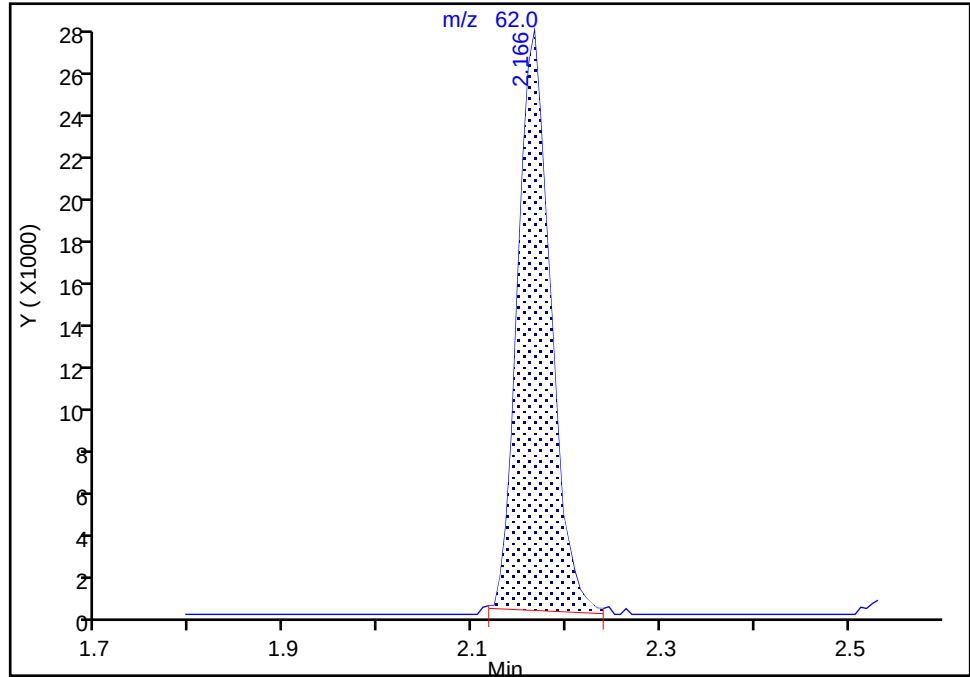
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Injection Date: 14-Jun-2024 23:06:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

6 Vinyl chloride, CAS: 75-01-4

Signal: 1

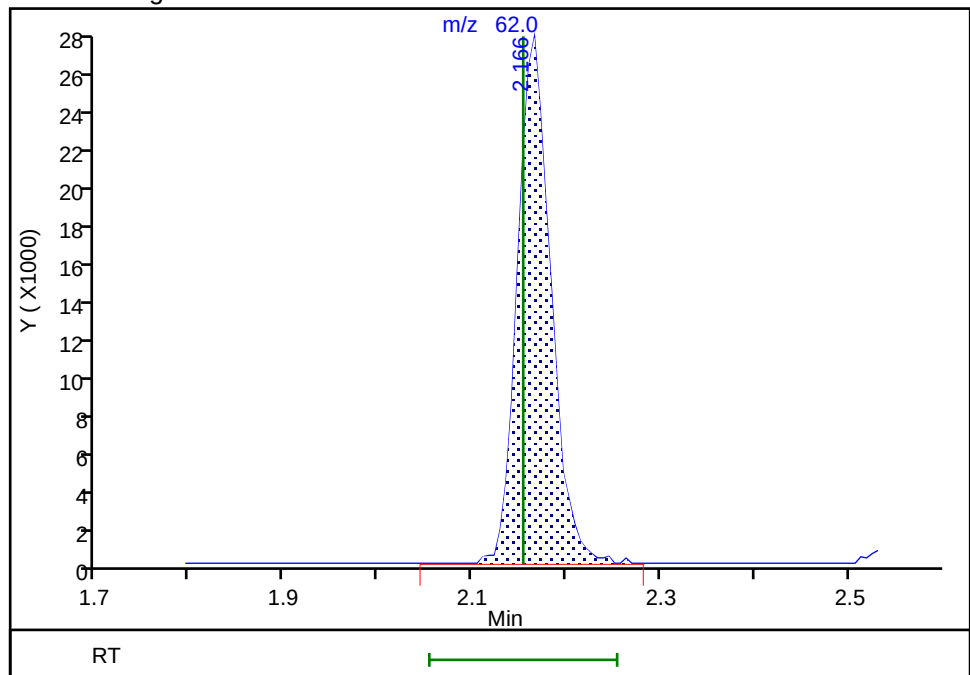
RT: 2.17
Area: 65973
Amount: 0.904963
Amount Units: ug/l

Processing Integration Results



RT: 2.17
Area: 67514
Amount: 0.923313
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 09:50:08 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

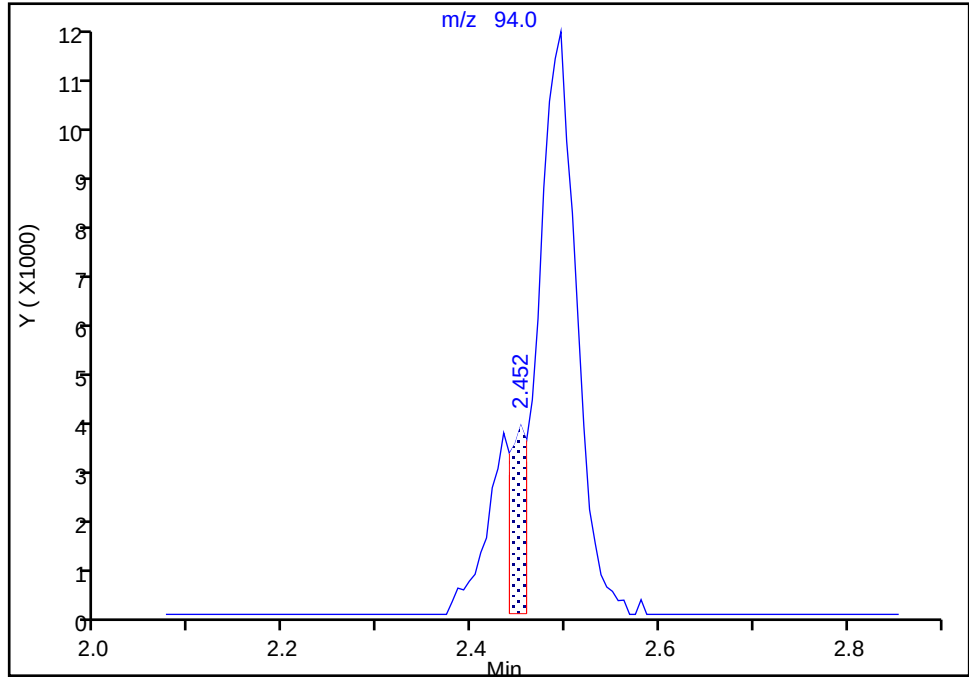
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Injection Date: 14-Jun-2024 23:06:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

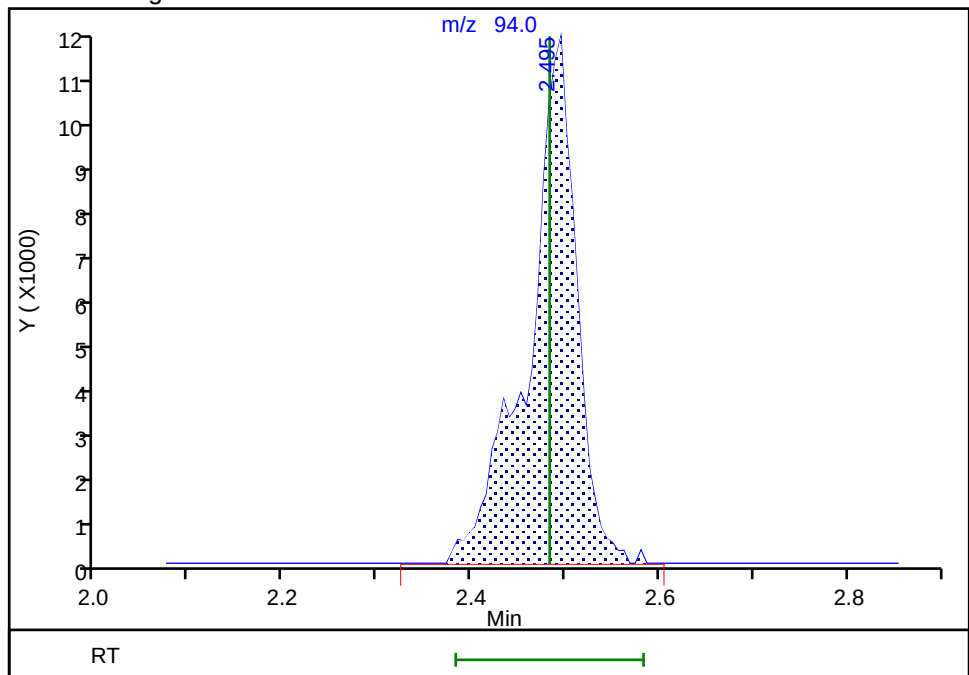
RT: 2.45
Area: 5145
Amount: 0.191371
Amount Units: ug/l

Processing Integration Results



RT: 2.50
Area: 42057
Amount: 0.929799
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:00:57 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

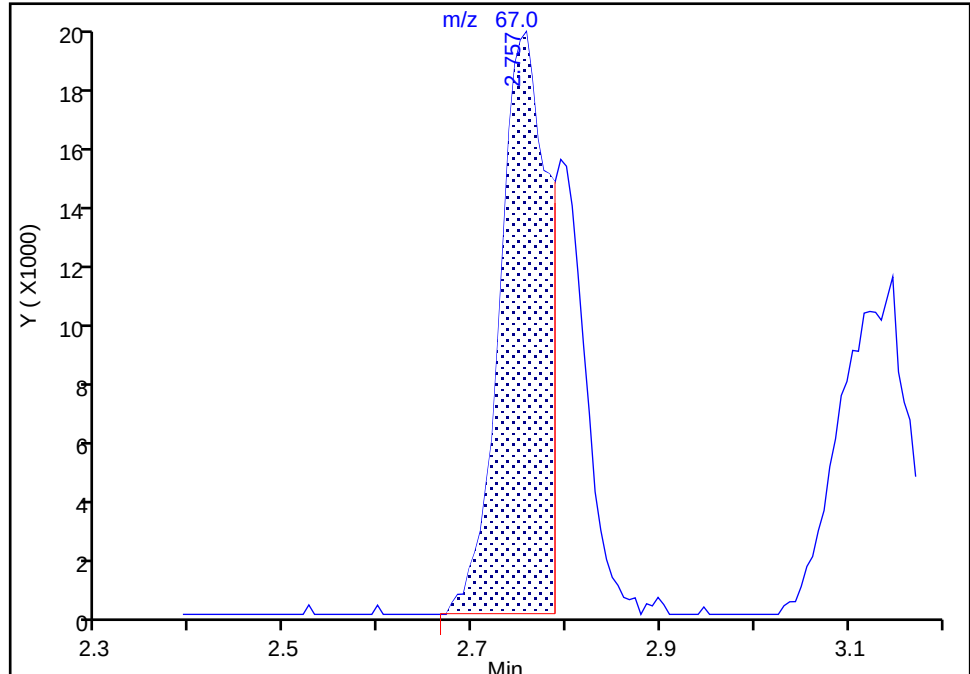
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X14.D
Injection Date: 14-Jun-2024 23:06:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

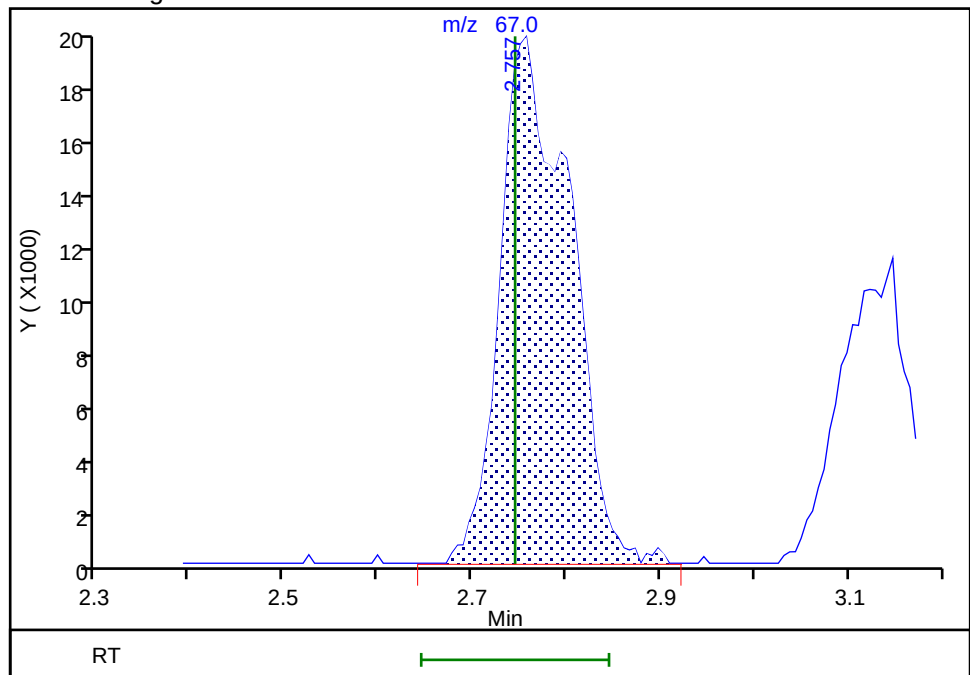
RT: 2.76
Area: 70825
Amount: 0.762066
Amount Units: ug/l

Processing Integration Results



RT: 2.76
Area: 102326
Amount: 0.943939
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:01:04 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

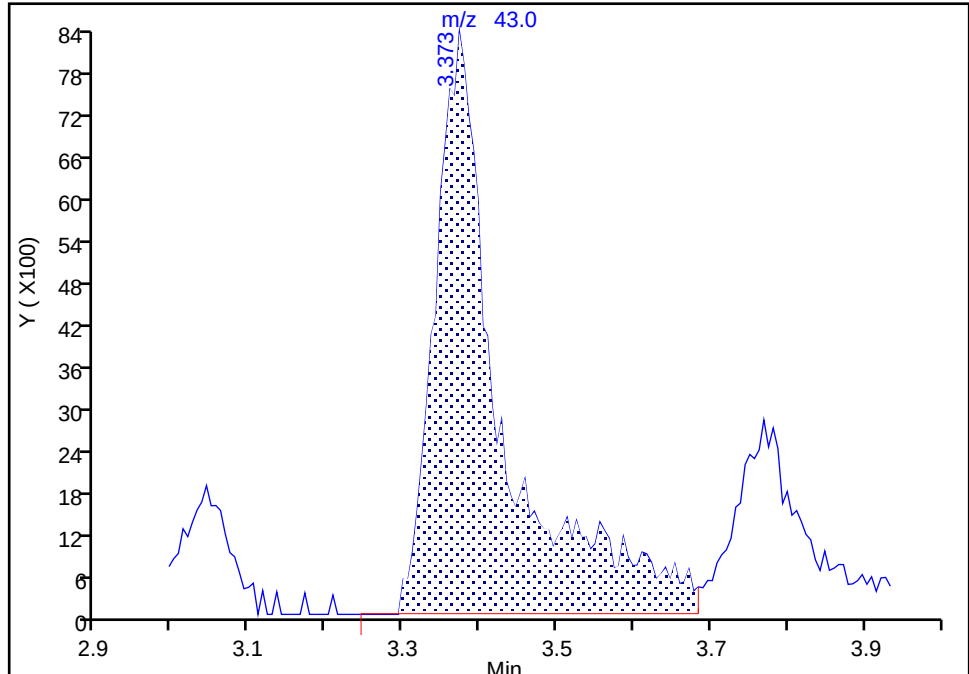
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Injection Date: 14-Jun-2024 23:06:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 Acetone, CAS: 67-64-1

Signal: 1

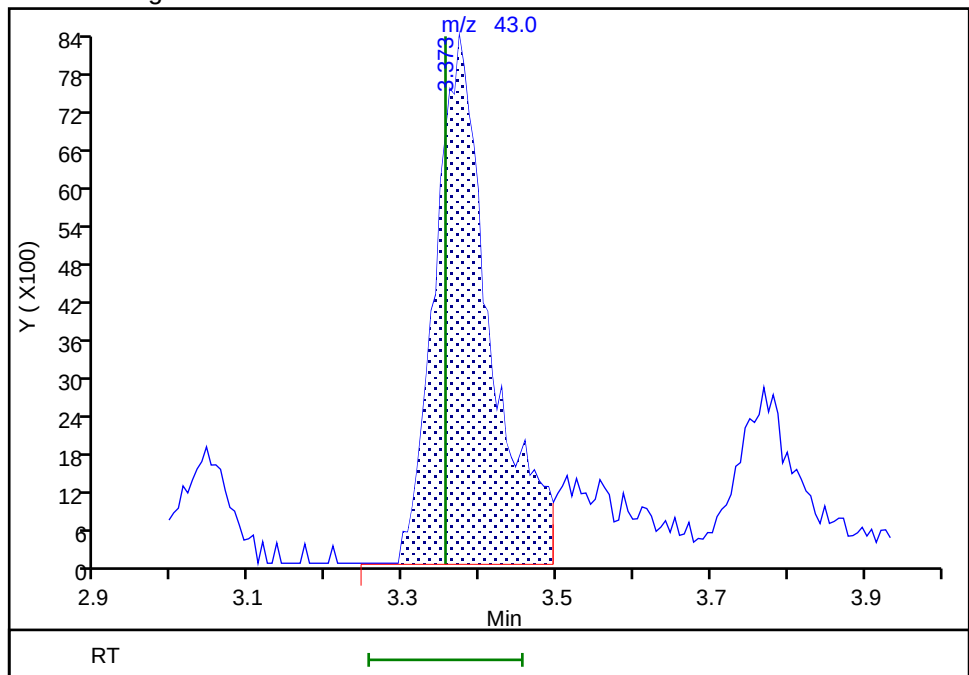
RT: 3.37
Area: 51165
Amount: 10.608071
Amount Units: ug/l

Processing Integration Results



RT: 3.37
Area: 41511
Amount: 9.043429
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:01:38 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

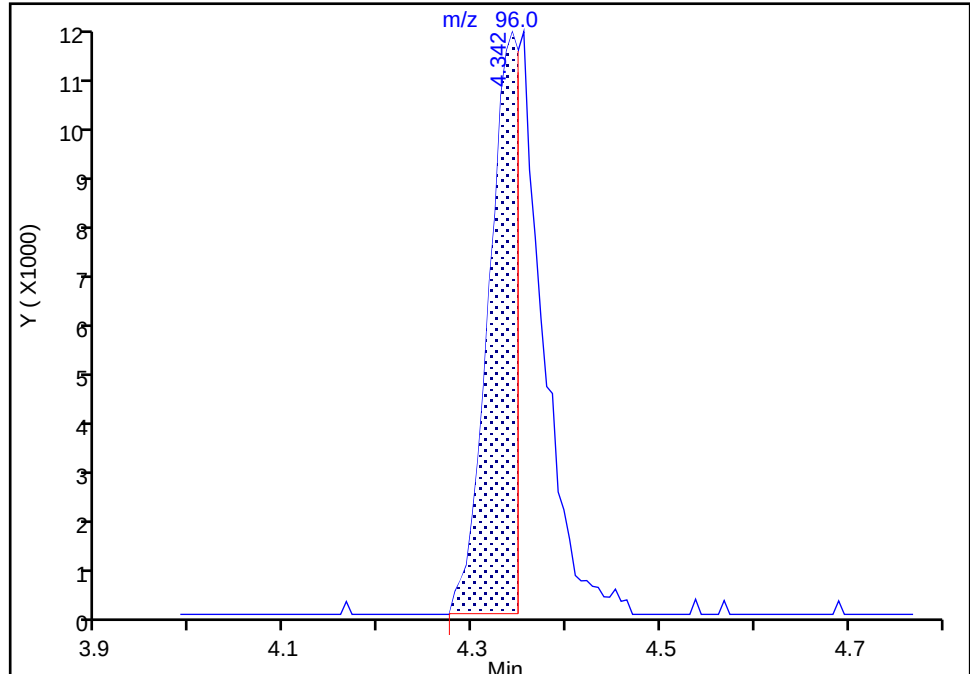
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X14.D
Injection Date: 14-Jun-2024 23:06:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

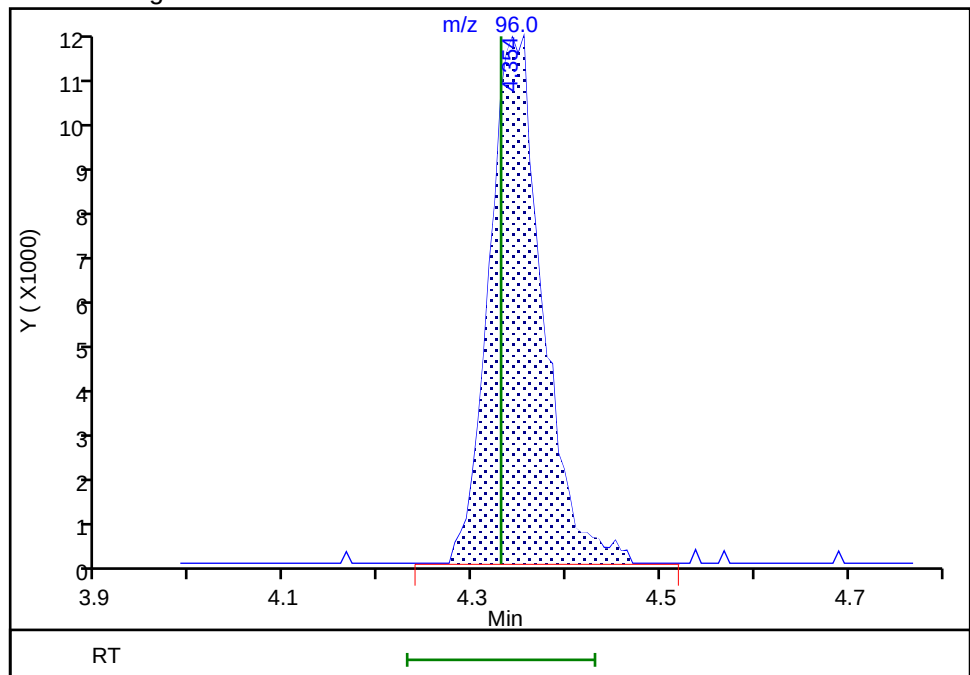
RT: 4.34
Area: 25584
Amount: 0.563009
Amount Units: ug/l

Processing Integration Results



RT: 4.35
Area: 45031
Amount: 0.933872
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:02:05 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

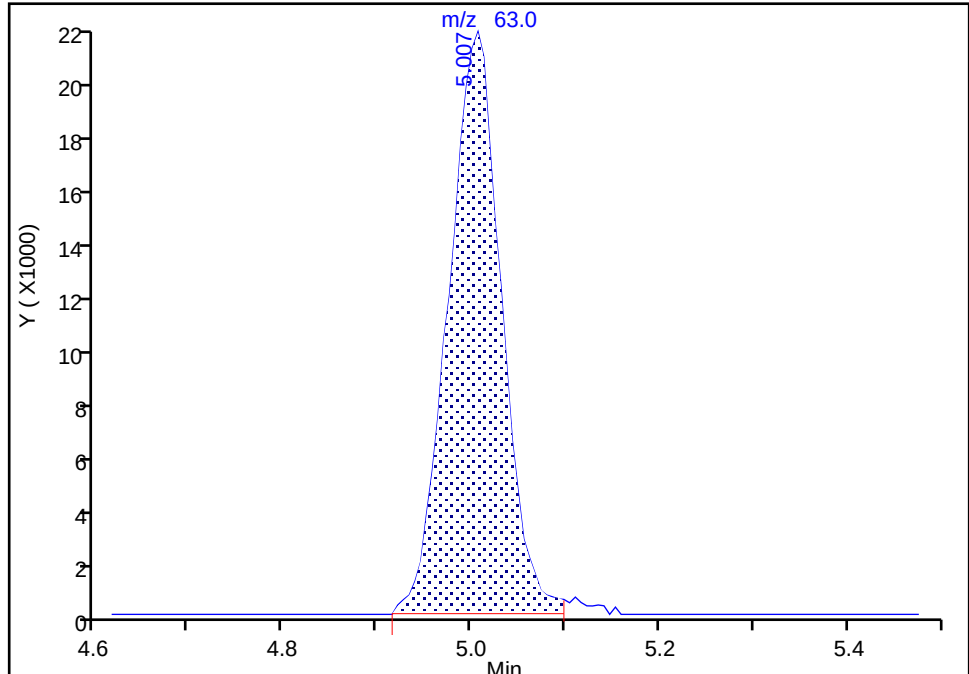
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Injection Date: 14-Jun-2024 23:06:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

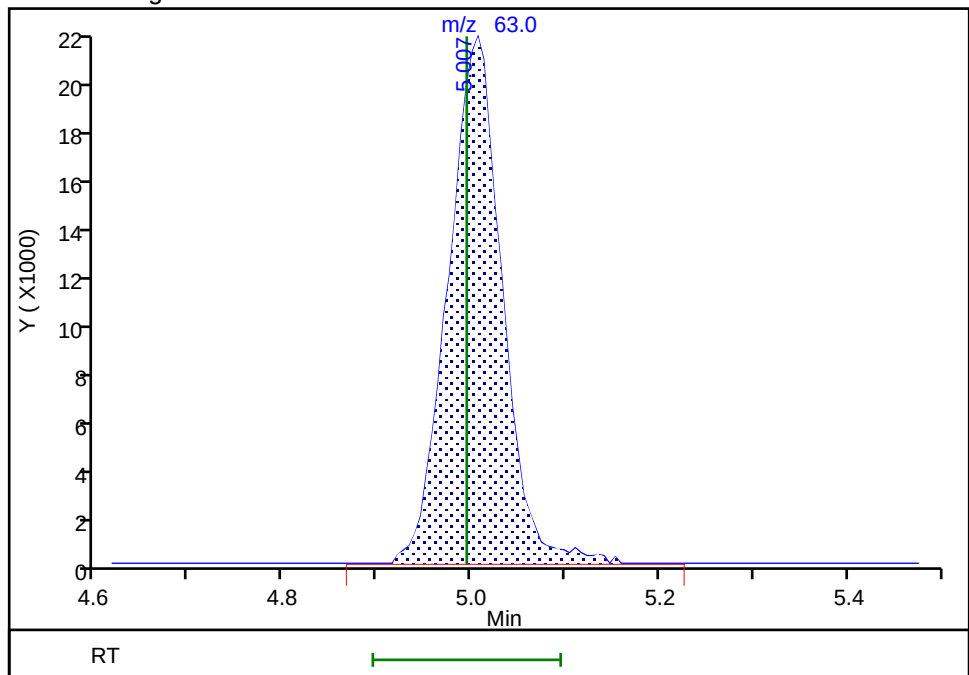
RT: 5.01
Area: 85368
Amount: 0.951498
Amount Units: ug/l

Processing Integration Results



RT: 5.01
Area: 86494
Amount: 0.962323
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:02:12 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

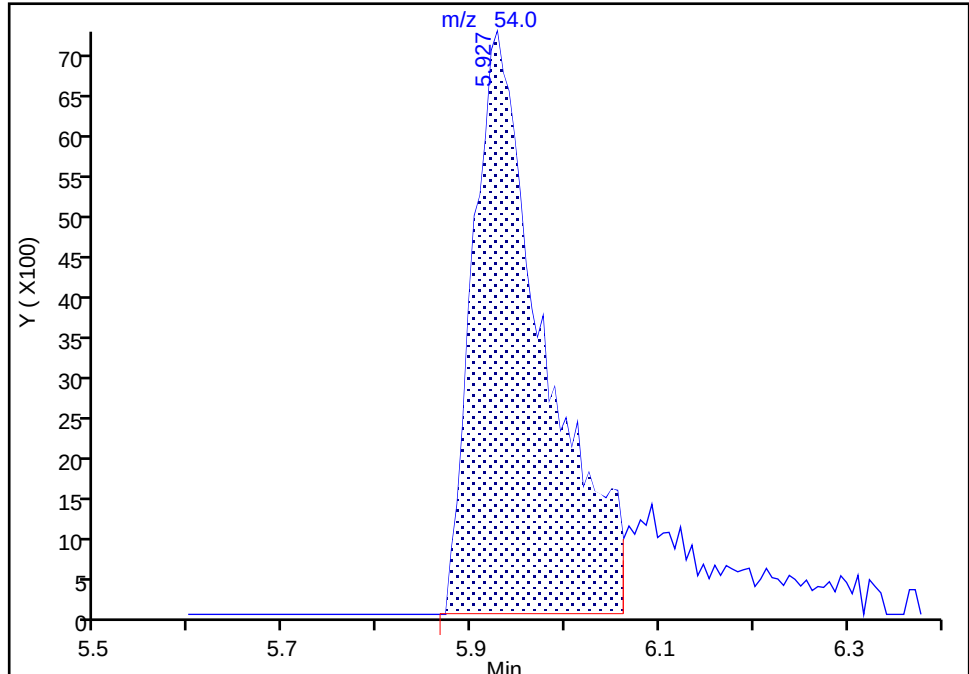
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Injection Date: 14-Jun-2024 23:06:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

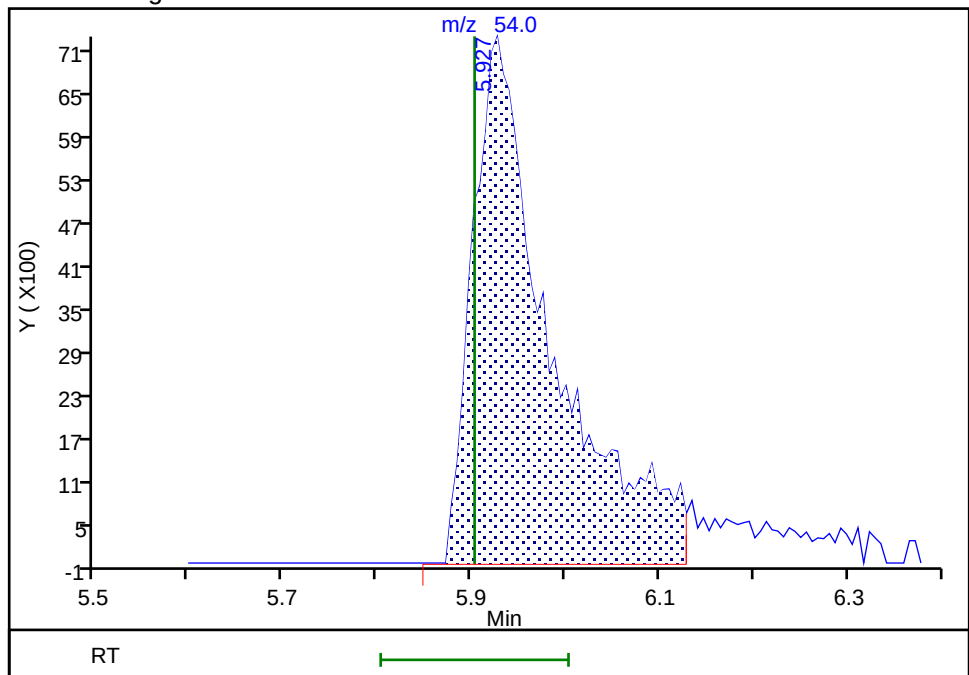
RT: 5.93
Area: 38448
Amount: 17.500724
Amount Units: ug/l

Processing Integration Results



RT: 5.93
Area: 42647
Amount: 18.692510
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:03:10 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

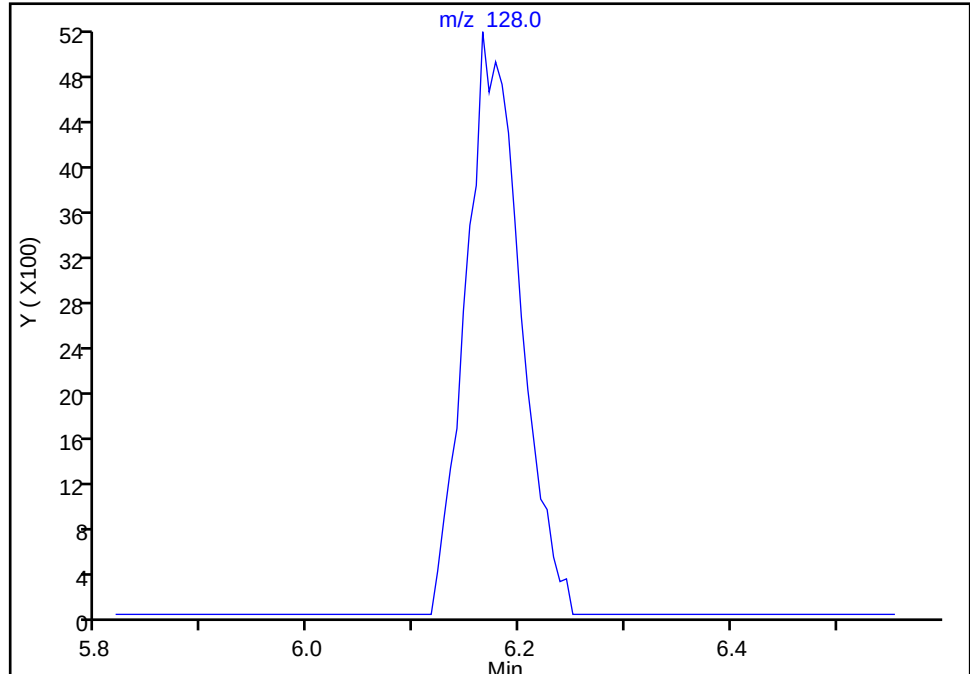
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X14.D
Injection Date: 14-Jun-2024 23:06:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

49 Chlorobromomethane, CAS: 74-97-5

Signal: 1

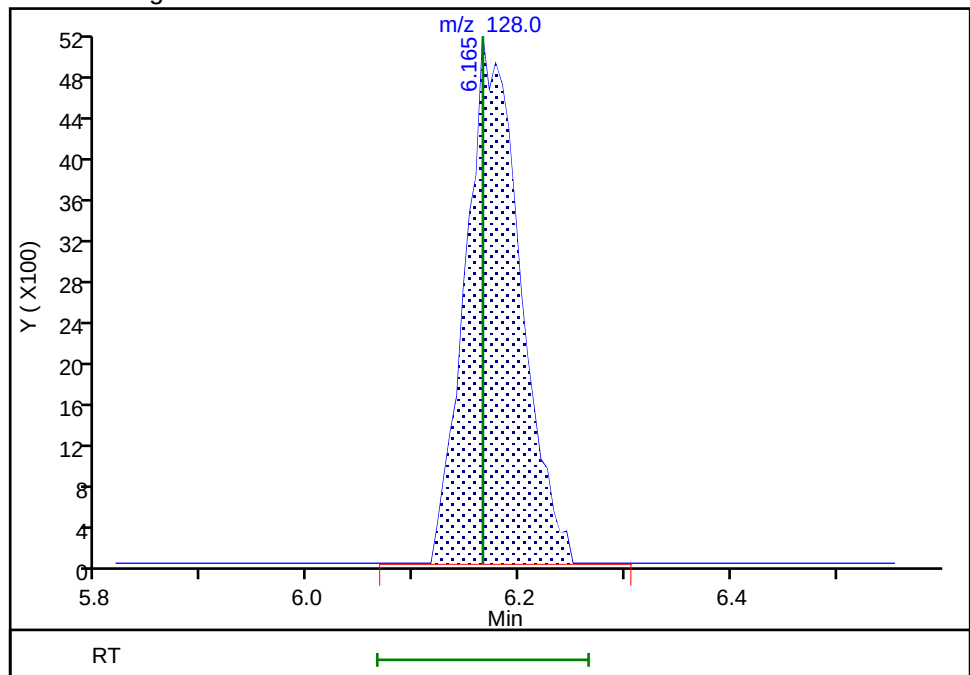
Not Detected
Expected RT: 6.17

Processing Integration Results



RT: 6.17
Area: 18422
Amount: 0.939673
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:04:19 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

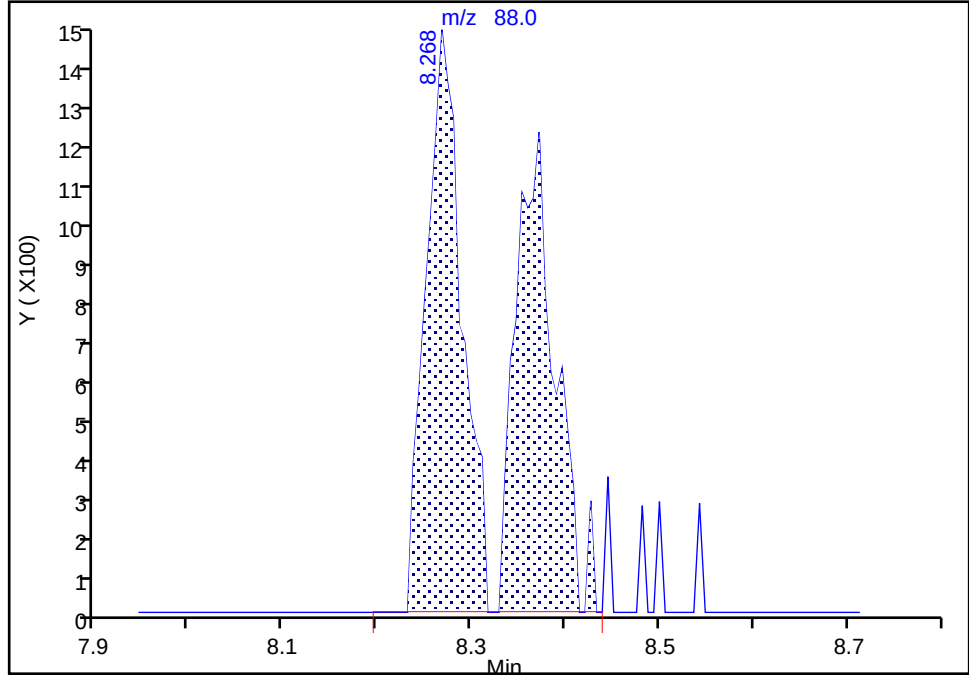
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Injection Date: 14-Jun-2024 23:06:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

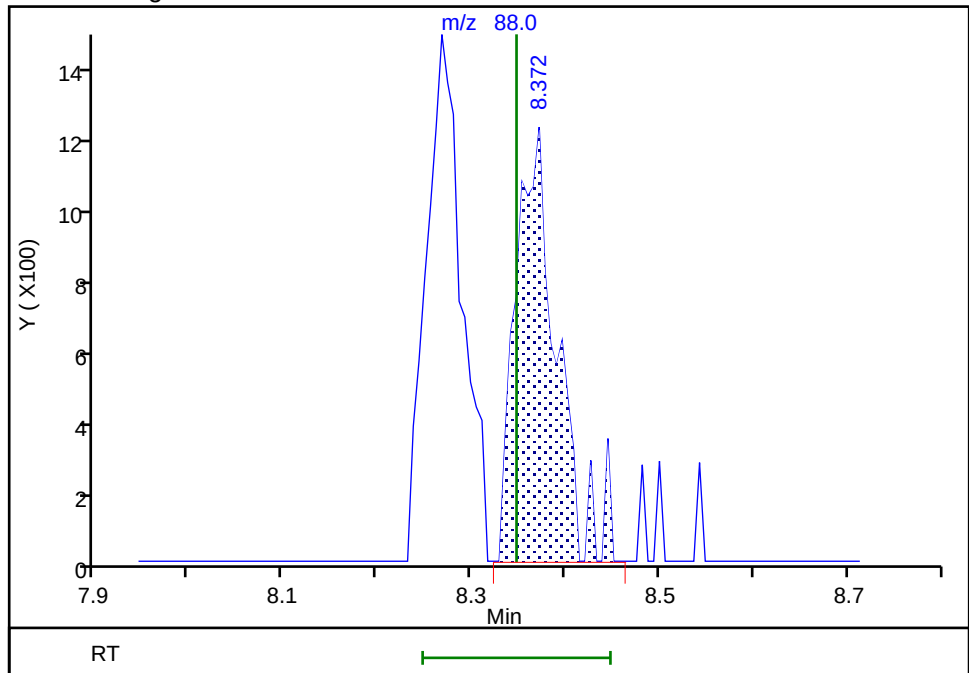
RT: 8.27
Area: 7340
Amount: 36.841457
Amount Units: ug/l

Processing Integration Results



RT: 8.37
Area: 3606
Amount: 38.919126
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:16:02 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X15.D
 Lims ID: IC std4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 14-Jun-2024 23:28:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116727-016
 Misc. Info.: IC STD2
 Operator ID: mec29284 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 14:17:48 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: UCB5

Date: 16-Jun-2024 10:15:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.849	0.000	99	122936	2.00	2.00	
5 Chloromethane	50	2.044	2.044	0.000	98	154497	2.00	2.14	
7 Butadiene	39	2.141	2.141	0.000	91	136409	2.00	2.04	
6 Vinyl chloride	62	2.154	2.154	0.000	98	144095	2.00	2.08	
9 Bromomethane	94	2.483	2.483	0.000	91	90118	2.00	2.10	M
10 Chloroethane	64	2.519	2.519	0.000	100	84890	2.00	2.14	
11 Dichlorofluoromethane	67	2.739	2.739	0.000	96	218483	2.00	2.13	
12 Trichlorofluoromethane	101	2.843	2.843	0.000	67	144847	2.00	2.04	
13 Ethyl ether	59	3.038	3.038	0.000	92	56085	2.00	2.05	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.123	3.123	0.000	94	122493	2.00	2.11	
17 Acrolein	56	3.190	3.190	0.000	99	363153	100.2	97.9	
18 1,1-Dichloroethene	96	3.324	3.324	0.000	96	79061	2.00	2.09	
19 Acetone	43	3.361	3.361	0.000	100	103122	20.0	22.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.367	3.367	0.000	93	81322	2.00	2.04	
22 Iodomethane	142	3.495	3.495	0.000	98	141719	2.00	2.08	
21 Isopropyl alcohol	45	3.525	3.525	0.000	37	28261	40.0	37.5	
23 Ethyl bromide	108	3.531	3.531	0.000	99	67254	2.00	2.05	
24 Carbon disulfide	76	3.599	3.599	0.000	99	281786	2.00	2.08	
25 Methyl acetate	43	3.757	3.757	0.000	32	23499	2.00	1.92	
27 3-Chloro-1-propene	41	3.763	3.763	0.000	92	146311	2.00	2.08	
29 Methylene Chloride	84	3.934	3.934	0.000	95	88635	2.00	2.01	
* 30 t-Butyl alcohol-d10 (IS)	65	3.958	3.958	0.000	97	83656	50.0	50.0	
31 2-Methyl-2-propanol	59	4.080	4.080	0.000	99	56351	40.0	38.4	
32 Acrylonitrile	53	4.269	4.269	0.000	98	32844	5.00	4.94	
33 Methyl tert-butyl ether	73	4.330	4.330	0.000	96	178594	2.00	1.99	
34 trans-1,2-Dichloroethene	96	4.336	4.336	0.000	98	94644	2.00	2.07	
35 Hexane	57	4.763	4.763	0.000	92	121910	2.00	2.00	
37 1,1-Dichloroethane	63	4.988	4.988	0.000	96	176654	2.00	2.08	
38 Isopropyl ether	45	5.068	5.068	0.000	94	293229	2.00	2.02	
39 2-Chloro-1,3-butadiene	53	5.117	5.117	0.000	91	137738	2.00	2.09	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.604	5.604	0.000	98	242764	2.00	2.01	
41 2-Butanone (MEK)	43	5.824	5.824	0.000	100	160410	20.0	19.7	
42 cis-1,2-Dichloroethene	96	5.836	5.836	0.000	83	103713	2.00	2.05	
43 2,2-Dichloropropane	77	5.842	5.842	0.000	87	147069	2.00	2.11	
45 Propionitrile	54	5.915	5.915	0.000	98	95847	40.0	42.9	M
48 Methacrylonitrile	67	6.122	6.122	0.000	93	169501	20.0	20.3	
S 47 1,2-Dichloroethene, Total	100				0			4.12	
49 Chlorobromomethane	128	6.159	6.159	0.000	96	38292	2.00	2.06	
50 Tetrahydrofuran	71	6.196	6.196	0.000	79	22579	10.0	11.0	
51 Chloroform	83	6.324	6.324	0.000	93	171600	2.00	2.00	
\$ 52 Dibromofluoromethane (Surr)	113	6.537	6.537	0.000	93	425193	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.549	6.549	0.000	97	144224	2.00	2.09	
54 Cyclohexane	56	6.641	6.641	0.000	91	158551	2.00	2.03	
55 Carbon tetrachloride	117	6.763	6.763	0.000	93	124047	2.00	2.11	
56 1,1-Dichloropropene	75	6.763	6.763	0.000	98	133168	2.00	2.08	
58 Isobutyl alcohol	41	6.970	6.970	0.000	90	50175	100.0	101.5	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.988	6.988	0.000	75	80363	10.0	9.94	
60 Benzene	78	7.025	7.025	0.000	96	400830	2.00	2.09	
61 1,2-Dichloroethane	62	7.092	7.092	0.000	97	88804	2.00	2.00	
63 Tert-amyl methyl ether	73	7.226	7.226	0.000	98	201594	2.00	2.01	
* 64 Fluorobenzene (IS)	96	7.433	7.433	0.000	98	1835862	10.0	10.0	
65 n-Heptane	43	7.451	7.451	0.000	93	134670	2.00	1.93	
67 n-Butanol	56	7.866	7.866	0.000	91	65193	175.0	166.3	
68 Trichloroethene	95	7.915	7.915	0.000	99	103310	2.00	2.10	
69 Methylcyclohexane	83	8.213	8.213	0.000	93	159353	2.00	1.97	
70 1,2-Dichloropropane	63	8.244	8.244	0.000	96	101243	2.00	2.07	
71 2-ethoxy-2-methyl butane	87	8.262	8.262	0.000	92	139981	2.00	2.02	
73 1,4-Dioxane	88	8.354	8.354	0.000	35	11007	100.0	94.3	M
72 Methyl methacrylate	69	8.354	8.354	0.000	89	30409	2.00	2.10	
74 Dibromomethane	93	8.354	8.354	0.000	96	39167	2.00	2.05	
76 Dichlorobromomethane	83	8.598	8.598	0.000	99	109710	2.00	2.04	
77 2-Nitropropane	41	8.872	8.872	0.000	99	46699	10.0	10.0	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	80619	2.00	2.06	
81 cis-1,3-Dichloropropene	75	9.152	9.152	0.000	96	135307	2.00	2.07	
82 4-Methyl-2-pentanone (MIBK)	43	9.347	9.347	0.000	97	418659	20.0	20.6	
\$ 83 Toluene-d8 (Surr)	98	9.475	9.475	0.000	94	1825330	10.0	10.0	
84 Toluene	92	9.555	9.555	0.000	98	256523	2.00	2.09	
85 trans-1,3-Dichloropropene	75	9.829	9.829	0.000	93	104112	2.00	2.03	
86 Ethyl methacrylate	69	9.902	9.902	0.000	88	65723	2.00	2.03	
107 1,1,2-Trichloroethane	97	10.030	10.030	0.000	91	56804	2.00	2.06	
S 106 1,3-Dichloropropene, Total	100				0			4.10	
108 Tetrachloroethene	166	10.116	10.116	0.000	97	110023	2.00	2.12	
109 1,3-Dichloropropane	76	10.195	10.195	0.000	91	101400	2.00	2.04	
110 2-Hexanone	43	10.268	10.268	0.000	97	249781	20.0	19.2	
112 Chlorodibromomethane	129	10.414	10.414	0.000	91	67155	2.00	2.02	
113 Ethylene Dibromide	107	10.524	10.524	0.000	99	50615	2.00	2.07	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	87	1324514	10.0	10.0	
115 1-Chlorohexane	91	10.975	10.975	0.000	97	140991	2.00	2.05	
116 Chlorobenzene	112	10.987	10.987	0.000	95	286310	2.00	2.11	
117 1,1,1,2-Tetrachloroethane	131	11.073	11.073	0.000	96	91358	2.00	2.04	
118 Ethylbenzene	91	11.079	11.079	0.000	99	499285	2.00	2.11	
120 m-Xylene & p-Xylene	106	11.195	11.195	0.000	100	388810	4.00	4.26	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 119 Xylenes, Total	106				0			6.37	
121 o-Xylene	106	11.524	11.524	0.000	97	187055	2.00	2.11	
122 Styrene	104	11.542	11.542	0.000	95	284750	2.00	2.12	
123 Bromoform	173	11.695	11.695	0.000	94	35574	2.00	2.01	
124 Isopropylbenzene	105	11.829	11.829	0.000	96	453987	2.00	2.13	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	88	650092	10.0	9.97	
128 1,1,2,2-Tetrachloroethane	83	12.072	12.072	0.000	93	67788	2.00	2.05	
129 Bromobenzene	156	12.085	12.085	0.000	97	110353	2.00	2.13	
130 trans-1,4-Dichloro-2-butene	53	12.103	12.103	0.000	93	165380	20.0	20.4	
131 1,2,3-Trichloropropane	110	12.121	12.121	0.000	79	17651	2.00	2.12	
132 N-Propylbenzene	91	12.158	12.158	0.000	99	616639	2.00	2.16	
133 2-Chlorotoluene	126	12.231	12.231	0.000	96	122342	2.00	2.15	
134 1,3,5-Trimethylbenzene	105	12.292	12.292	0.000	94	426351	2.00	2.15	
135 4-Chlorotoluene	126	12.322	12.322	0.000	98	129432	2.00	2.21	
136 tert-Butylbenzene	134	12.530	12.530	0.000	93	96359	2.00	2.16	
137 Pentachloroethane	167	12.560	12.560	0.000	92	62057	2.00	2.02	
138 1,2,4-Trimethylbenzene	105	12.578	12.578	0.000	97	435236	2.00	2.15	
139 sec-Butylbenzene	105	12.694	12.694	0.000	95	551224	2.00	2.13	
140 1,3-Dichlorobenzene	146	12.792	12.792	0.000	98	243869	2.00	2.21	
141 4-Isopropyltoluene	119	12.804	12.804	0.000	97	479755	2.00	2.18	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	729171	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.865	12.865	0.000	96	254873	2.00	2.18	
144 1,2,3-Trimethylbenzene	120	12.877	12.877	0.000	99	195147	2.00	2.14	
145 Benzyl chloride	126	12.944	12.944	0.000	99	25430	2.00	2.09	
146 p-Diethylbenzene	119	13.005	13.005	0.000	91	283598	2.00	2.19	
147 n-Butylbenzene	92	13.097	13.097	0.000	97	257286	2.00	2.22	
148 1,2-Dichlorobenzene	146	13.127	13.127	0.000	98	209229	2.00	2.14	
150 1,2-Dibromo-3-Chloropropane	155	13.670	13.670	0.000	82	7875	2.00	2.16	
151 1,3,5-Trichlorobenzene	180	13.792	13.792	0.000	97	199893	2.00	2.29	
152 1,2,4-Trichlorobenzene	180	14.212	14.212	0.000	94	156726	2.00	2.34	
153 Hexachlorobutadiene	225	14.292	14.292	0.000	98	84030	2.00	2.26	
154 Naphthalene	128	14.395	14.395	0.000	97	199896	2.00	2.25	
155 1,2,3-Trichlorobenzene	180	14.535	14.535	0.000	96	120153	2.00	2.40	
156 2-Methylnaphthalene	142	15.139	15.139	0.000	91	95734	2.00	2.43	
167 Pentane	43	2.836	2.836	0.000	96	140066	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00133	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00214	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00140	Amount Added: 2.00	Units: uL	
MSV_HP25_ISSS_00084	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 17-Jun-2024 14:17:49

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X15.D

Injection Date: 14-Jun-2024 23:28:30

Instrument ID: 16334

Operator ID: mec29284

Lims ID: IC std4

Worklist Smp#: 16

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

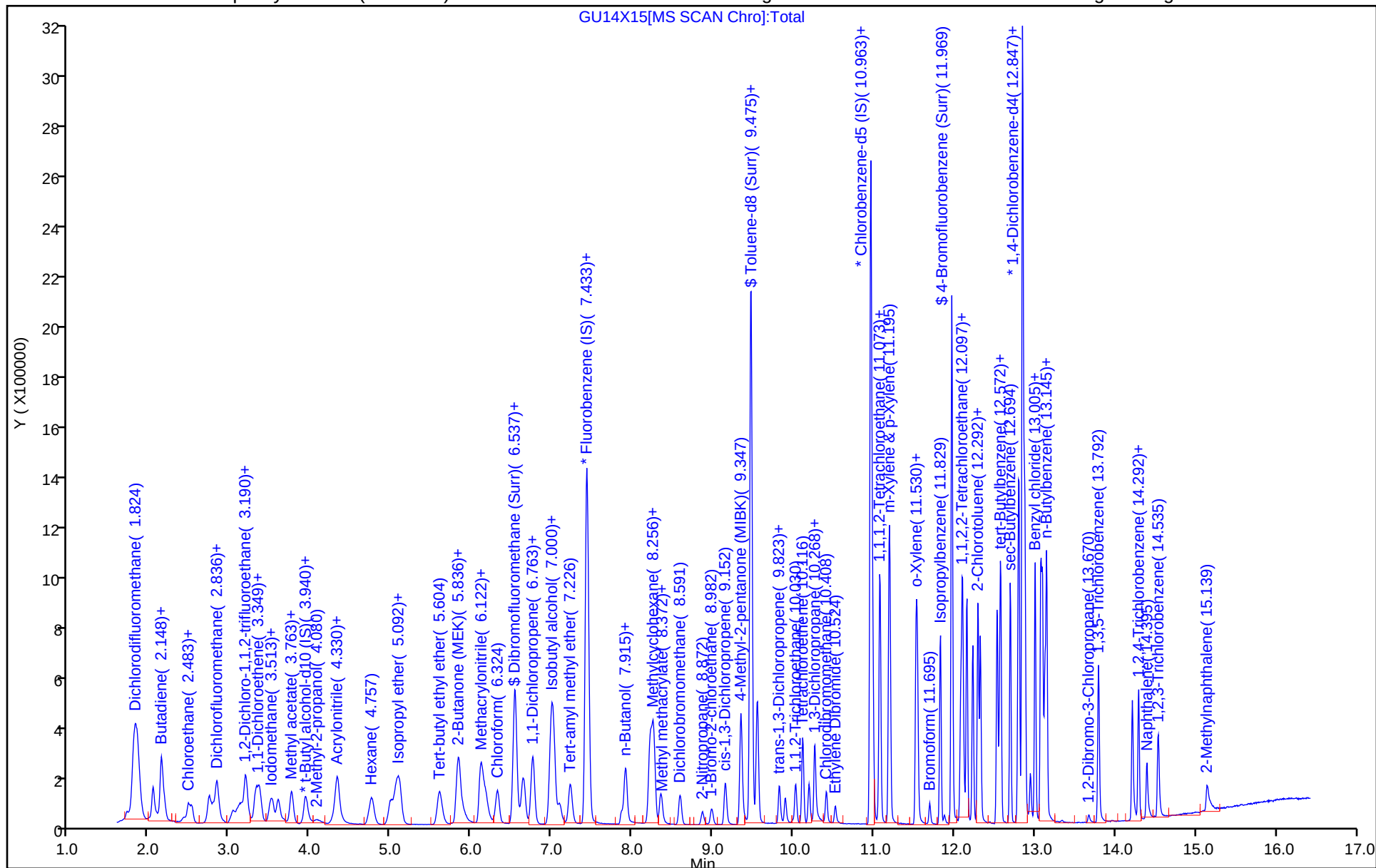
ALS Bottle#: 15

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

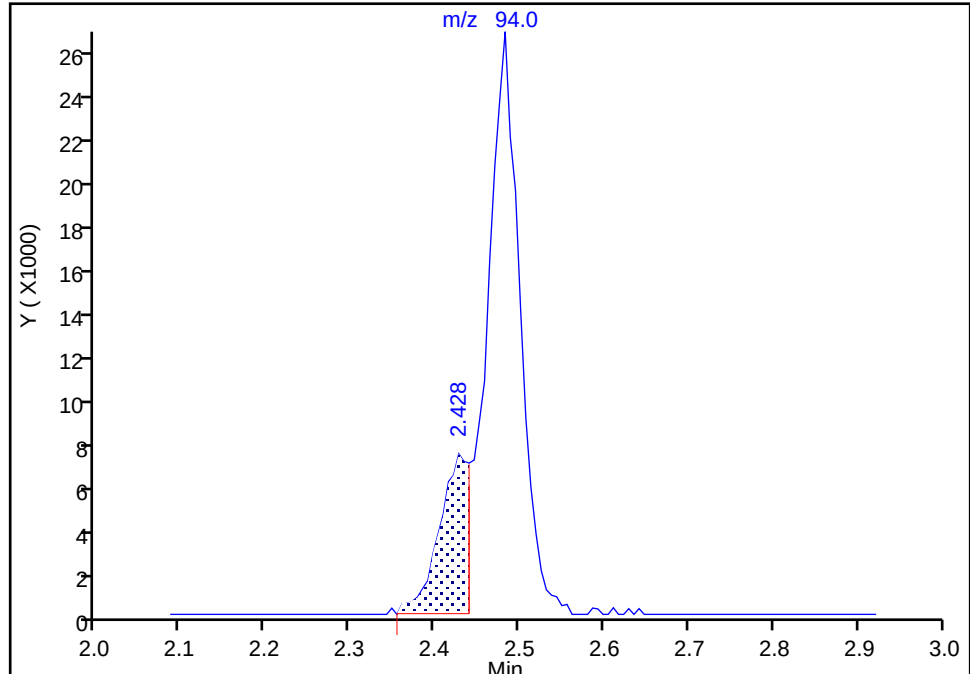
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Injection Date: 14-Jun-2024 23:28:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: mec29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

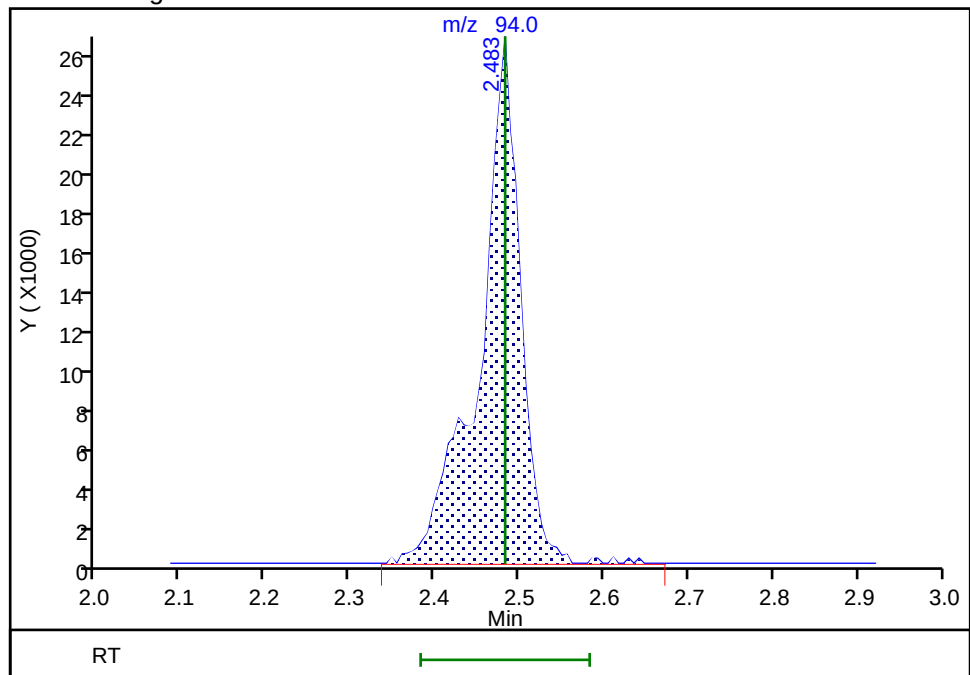
RT: 2.43
Area: 18384
Amount: 0.603729
Amount Units: ug/l

Processing Integration Results



RT: 2.48
Area: 90118
Amount: 2.104040
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:11:03 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

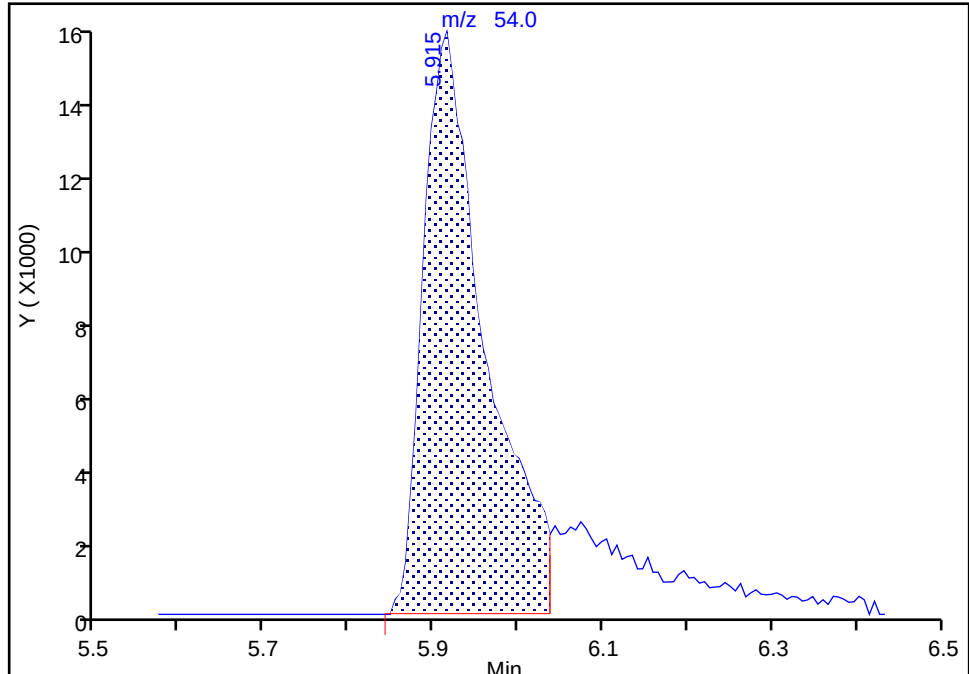
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Injection Date: 14-Jun-2024 23:28:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: mec29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

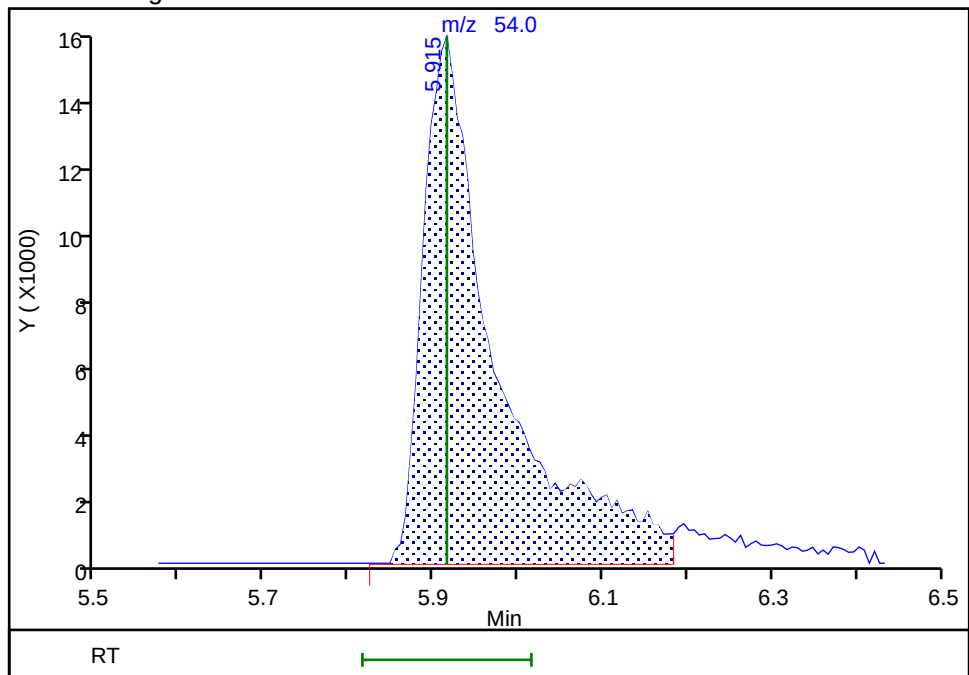
RT: 5.92
Area: 80872
Amount: 37.055171
Amount Units: ug/l

Processing Integration Results



RT: 5.92
Area: 95847
Amount: 42.866199
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:13:06 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

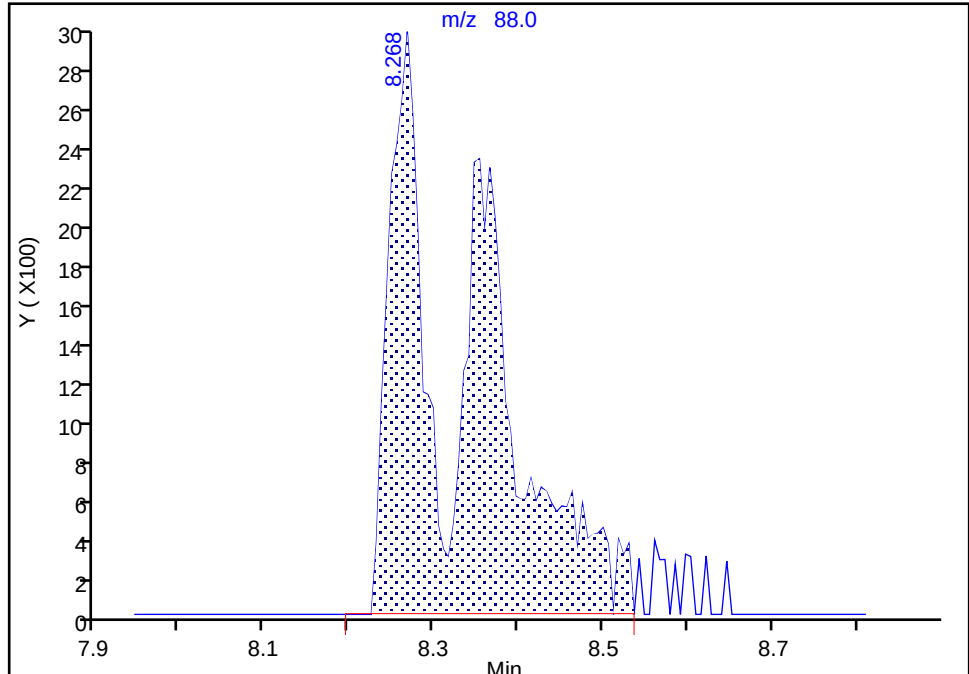
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X15.D
Injection Date: 14-Jun-2024 23:28:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: mec29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

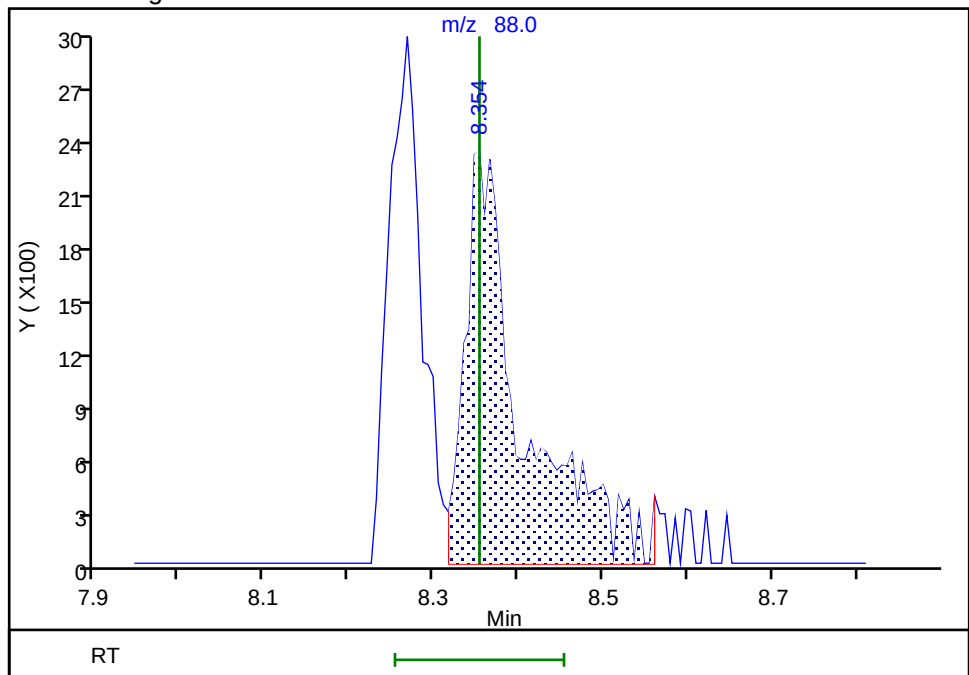
RT: 8.27
Area: 18753
Amount: 103.2626
Amount Units: ug/l

Processing Integration Results



RT: 8.35
Area: 11007
Amount: 94.311031
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:14:07 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X16.D
 Lims ID: IC std5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 14-Jun-2024 23:50:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116727-017
 Misc. Info.: IC STD5
 Operator ID: mec29284 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 14:17:53 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: UCB5

Date: 16-Jun-2024 10:22:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.861	1.849	0.012	99	314914	5.00	4.90	
5 Chloromethane	50	2.056	2.044	0.012	99	374498	5.00	4.94	
7 Butadiene	39	2.154	2.141	0.013	92	343217	5.00	4.91	
6 Vinyl chloride	62	2.166	2.154	0.012	98	353887	5.00	4.88	
9 Bromomethane	94	2.489	2.483	0.006	90	217663	5.00	4.85	M
10 Chloroethane	64	2.532	2.519	0.013	100	202602	5.00	4.88	
11 Dichlorofluoromethane	67	2.757	2.739	0.018	97	521722	5.00	4.85	
12 Trichlorofluoromethane	101	2.855	2.843	0.012	98	366393	5.00	4.93	
13 Ethyl ether	59	3.044	3.038	0.006	92	146638	5.00	5.12	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.135	3.123	0.012	94	297027	5.00	4.88	
17 Acrolein	56	3.202	3.190	0.012	100	970743	250.5	237.6	
18 1,1-Dichloroethene	96	3.330	3.324	0.006	96	192023	5.00	4.83	
19 Acetone	43	3.367	3.361	0.006	100	220505	50.0	44.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.379	3.367	0.012	93	212233	5.00	5.07	
22 Iodomethane	142	3.513	3.495	0.018	99	353978	5.00	4.95	
21 Isopropyl alcohol	45	3.531	3.525	0.006	39	85117	100.0	107.6	
23 Ethyl bromide	108	3.538	3.531	0.007	98	172074	5.01	5.01	
24 Carbon disulfide	76	3.611	3.599	0.012	99	693406	5.00	4.88	
25 Methyl acetate	43	3.763	3.757	0.006	33	61264	5.00	4.54	
27 3-Chloro-1-propene	41	3.781	3.763	0.018	92	364060	5.00	4.93	
29 Methylene Chloride	84	3.952	3.934	0.018	94	221580	5.00	4.80	
* 30 t-Butyl alcohol-d10 (IS)	65	3.976	3.958	0.018	98	92196	50.0	50.0	
31 2-Methyl-2-propanol	59	4.092	4.080	0.012	99	155253	100.0	96.0	
32 Acrylonitrile	53	4.287	4.269	0.018	98	92420	12.5	12.6	
33 Methyl tert-butyl ether	73	4.342	4.330	0.012	80	474692	5.00	5.06	
34 trans-1,2-Dichloroethene	96	4.342	4.336	0.006	98	232114	5.00	4.85	
35 Hexane	57	4.769	4.763	0.006	92	325984	5.00	5.10	
37 1,1-Dichloroethane	63	5.001	4.988	0.013	96	439483	5.00	4.93	
38 Isopropyl ether	45	5.080	5.068	0.012	95	768618	5.00	5.05	
39 2-Chloro-1,3-butadiene	53	5.116	5.117	-0.001	91	353311	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
40 Tert-butyl ethyl ether	59	5.616	5.604	0.012	98	640227	5.00	5.06	
41 2-Butanone (MEK)	43	5.830	5.824	0.006	100	419822	50.0	46.9	
42 cis-1,2-Dichloroethene	96	5.848	5.836	0.012	83	255118	5.00	4.81	
43 2,2-Dichloropropane	77	5.860	5.842	0.018	86	361466	5.00	4.95	
45 Propionitrile	54	5.909	5.915	-0.006	99	256049	100.0	103.9	
48 Methacrylonitrile	67	6.122	6.122	0.000	92	465248	50.0	50.6	
S 47 1,2-Dichloroethene, Total	100				0			9.66	
49 Chlorobromomethane	128	6.177	6.159	0.018	95	98570	5.00	5.07	
50 Tetrahydrofuran	71	6.202	6.196	0.006	79	59564	25.0	26.3	
51 Chloroform	83	6.330	6.324	0.006	93	427692	5.00	4.77	
\$ 52 Dibromofluoromethane (Surr)	113	6.543	6.537	0.006	93	438784	10.0	9.90	
53 1,1,1-Trichloroethane	97	6.549	6.549	0.000	98	357499	5.00	4.94	
54 Cyclohexane	56	6.647	6.641	0.006	91	417924	5.00	5.11	
55 Carbon tetrachloride	117	6.763	6.763	0.000	97	307785	5.00	4.99	
56 1,1-Dichloropropene	75	6.769	6.763	0.006	97	332158	5.00	4.94	
58 Isobutyl alcohol	41	6.964	6.970	-0.006	92	121409	250.0	234.4	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.994	6.988	0.006	88	84544	10.0	9.98	
60 Benzene	78	7.031	7.025	0.006	97	995763	5.00	4.95	
61 1,2-Dichloroethane	62	7.098	7.092	0.006	97	234696	5.00	5.04	
63 Tert-amyl methyl ether	73	7.232	7.226	0.006	99	539204	5.00	5.13	
* 64 Fluorobenzene (IS)	96	7.439	7.433	0.006	98	1923745	10.0	10.0	
65 n-Heptane	43	7.458	7.451	0.007	93	360809	5.00	4.93	
67 n-Butanol	56	7.860	7.866	-0.006	88	194267	437.5	449.7	
68 Trichloroethene	95	7.915	7.915	0.000	99	255534	5.00	4.95	
69 Methylcyclohexane	83	8.220	8.213	0.007	92	437375	5.00	5.17	
70 1,2-Dichloropropane	63	8.244	8.244	0.000	96	258020	5.00	5.03	
71 2-ethoxy-2-methyl butane	87	8.268	8.262	0.006	92	381441	5.00	5.25	
73 1,4-Dioxane	88	8.354	8.354	0.000	35	34396	250.0	244.1	M
72 Methyl methacrylate	69	8.354	8.354	0.000	90	84013	5.00	5.27	
74 Dibromomethane	93	8.354	8.354	0.000	97	101573	5.00	5.08	
76 Dichlorobromomethane	83	8.591	8.598	-0.007	99	286412	5.00	5.09	
77 2-Nitropropane	41	8.872	8.872	0.000	98	121709	25.0	23.6	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	212668	5.00	5.18	
81 cis-1,3-Dichloropropene	75	9.158	9.152	0.006	96	354611	5.00	5.18	
82 4-Methyl-2-pentanone (MIBK)	43	9.347	9.347	0.000	97	1133717	50.0	50.7	
\$ 83 Toluene-d8 (Surr)	98	9.475	9.475	0.000	94	1900061	10.0	9.95	
84 Toluene	92	9.555	9.555	0.000	98	638621	5.00	4.97	
85 trans-1,3-Dichloropropene	75	9.823	9.829	-0.006	93	277348	5.00	5.14	
86 Ethyl methacrylate	69	9.896	9.902	-0.006	90	183884	5.00	5.42	
107 1,1,2-Trichloroethane	97	10.030	10.030	0.000	91	144418	5.00	4.99	
S 106 1,3-Dichloropropene, Total	100				0			10.3	
108 Tetrachloroethene	166	10.116	10.116	0.000	97	270881	5.00	4.97	
109 1,3-Dichloropropane	76	10.195	10.195	0.000	90	262572	5.00	5.04	
110 2-Hexanone	43	10.262	10.268	-0.006	97	731060	50.0	51.0	
112 Chlorodibromomethane	129	10.414	10.414	0.000	90	180111	5.00	5.17	
113 Ethylene Dibromide	107	10.524	10.524	0.000	99	132657	5.00	5.16	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	87	1389928	10.0	10.0	
115 1-Chlorohexane	91	10.975	10.975	0.000	98	354933	5.00	4.92	
116 Chlorobenzene	112	10.987	10.987	0.000	94	701021	5.00	4.93	
117 1,1,1,2-Tetrachloroethane	131	11.073	11.073	0.000	96	236746	5.00	5.04	
118 Ethylbenzene	91	11.079	11.079	0.000	98	1253534	5.00	5.06	
120 m-Xylene & p-Xylene	106	11.195	11.195	0.000	100	974862	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
S 119 Xylenes, Total	106				0			15.3	
121 o-Xylene	106	11.524	11.524	0.000	96	479845	5.00	5.16	
122 Styrene	104	11.542	11.542	0.000	95	737821	5.00	5.24	
123 Bromoform	173	11.694	11.695	0.000	95	95823	5.00	5.15	
124 Isopropylbenzene	105	11.829	11.829	0.000	96	1144402	5.00	5.12	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	88	688981	10.0	10.1	
128 1,1,2,2-Tetrachloroethane	83	12.072	12.072	0.000	93	174837	5.00	4.94	
129 Bromobenzene	156	12.085	12.085	0.000	95	273935	5.00	4.94	
130 trans-1,4-Dichloro-2-butene	53	12.097	12.103	-0.006	93	454757	50.0	50.8	
131 1,2,3-Trichloropropane	110	12.115	12.121	-0.006	77	44079	5.00	4.96	
132 N-Propylbenzene	91	12.158	12.158	0.000	99	1512202	5.00	4.95	
133 2-Chlorotoluene	126	12.231	12.231	0.000	96	303774	5.00	4.99	
134 1,3,5-Trimethylbenzene	105	12.292	12.292	0.000	93	1065358	5.00	5.02	
135 4-Chlorotoluene	126	12.322	12.322	0.000	98	306136	5.00	4.89	
136 tert-Butylbenzene	134	12.536	12.530	0.006	93	236926	5.00	4.97	
137 Pentachloroethane	167	12.560	12.560	0.000	91	169681	5.00	5.18	
138 1,2,4-Trimethylbenzene	105	12.572	12.578	-0.006	97	1093172	5.00	5.06	
139 sec-Butylbenzene	105	12.694	12.694	0.000	95	1386571	5.00	5.01	
140 1,3-Dichlorobenzene	146	12.792	12.792	0.000	98	585789	5.00	4.98	
141 4-Isopropyltoluene	119	12.804	12.804	0.000	97	1198228	5.00	5.10	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	95	779077	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.865	12.865	0.000	95	603526	5.00	4.83	
144 1,2,3-Trimethylbenzene	120	12.877	12.877	0.000	99	483779	5.00	4.97	
145 Benzyl chloride	126	12.944	12.944	0.000	99	69577	5.00	5.36	
146 p-Diethylbenzene	119	13.005	13.005	0.000	91	701873	5.00	5.08	
147 n-Butylbenzene	92	13.091	13.097	-0.006	97	631623	5.00	5.11	
148 1,2-Dichlorobenzene	146	13.127	13.127	0.000	98	512899	5.00	4.92	
150 1,2-Dibromo-3-Chloropropane	155	13.670	13.670	0.000	86	20378	5.00	5.23	
151 1,3,5-Trichlorobenzene	180	13.792	13.792	0.000	97	458921	5.00	4.93	
152 1,2,4-Trichlorobenzene	180	14.212	14.212	0.000	94	357158	5.00	4.98	
153 Hexachlorobutadiene	225	14.292	14.292	0.000	98	191947	5.00	4.84	
154 Naphthalene	128	14.389	14.395	-0.006	97	488255	5.00	5.14	
155 1,2,3-Trichlorobenzene	180	14.529	14.535	-0.006	95	264622	5.00	4.95	
156 2-Methylnaphthalene	142	15.133	15.139	-0.006	92	218212	5.00	5.19	M
167 Pentane	43	2.843	2.836	0.007	97	346019	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00133	Amount Added: 5.00	Units: uL	
MSV_LL_GAS826_00214	Amount Added: 5.00	Units: uL	
MSV_LL_#2_826_00140	Amount Added: 5.00	Units: uL	
MSV_HP25_ISSS_00084	Amount Added: 1.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X16.D

Injection Date: 14-Jun-2024 23:50:30

Instrument ID: 16334

Operator ID: mec29284

Lims ID: IC std5

Worklist Smp#: 17

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

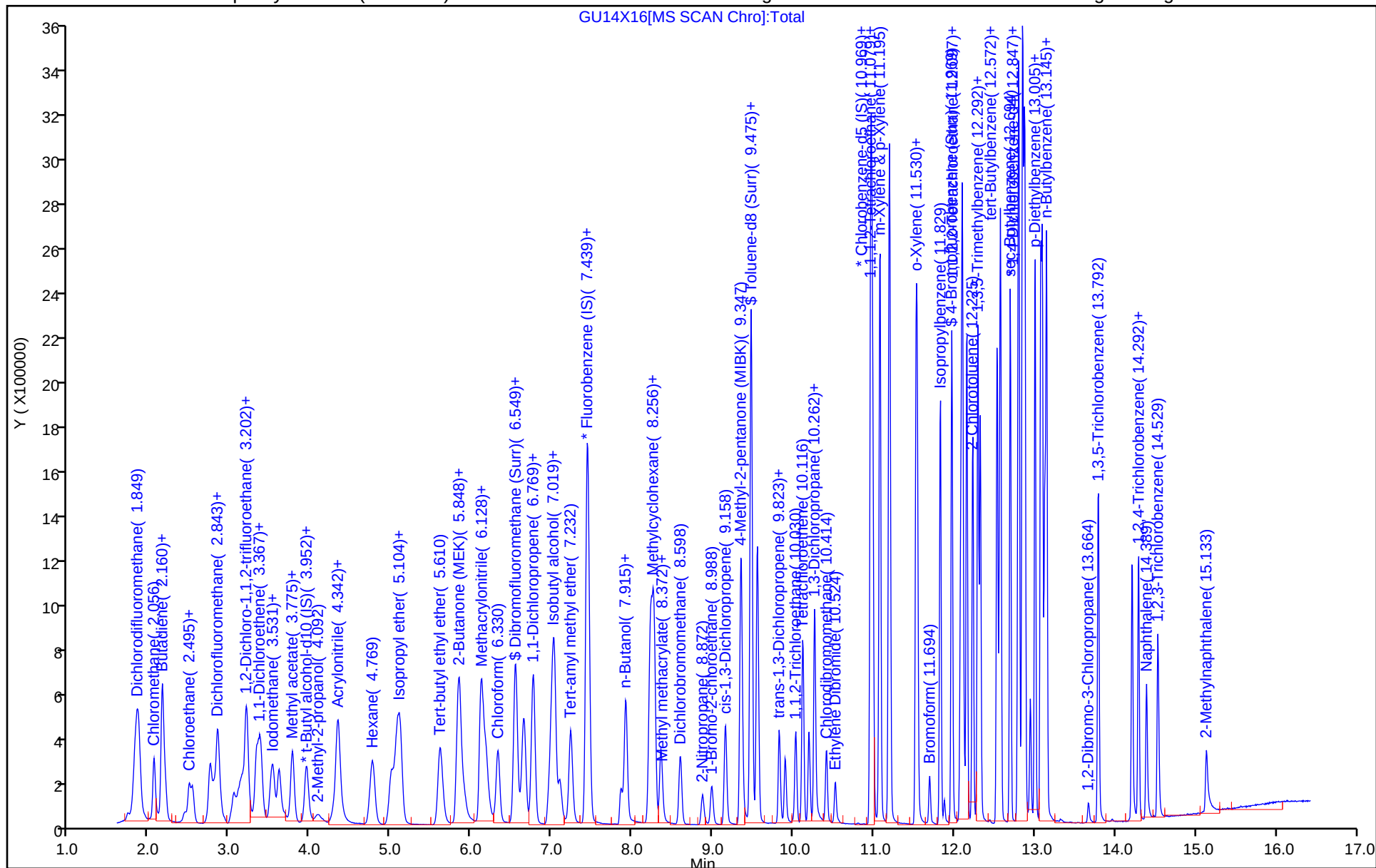
ALS Bottle#: 16

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

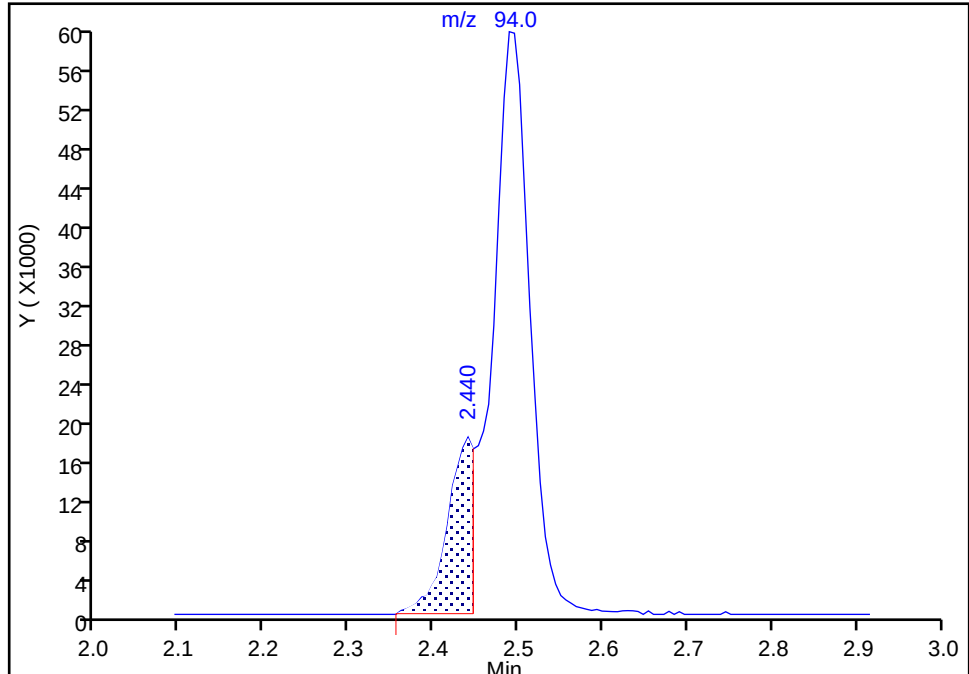
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X16.D
Injection Date: 14-Jun-2024 23:50:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

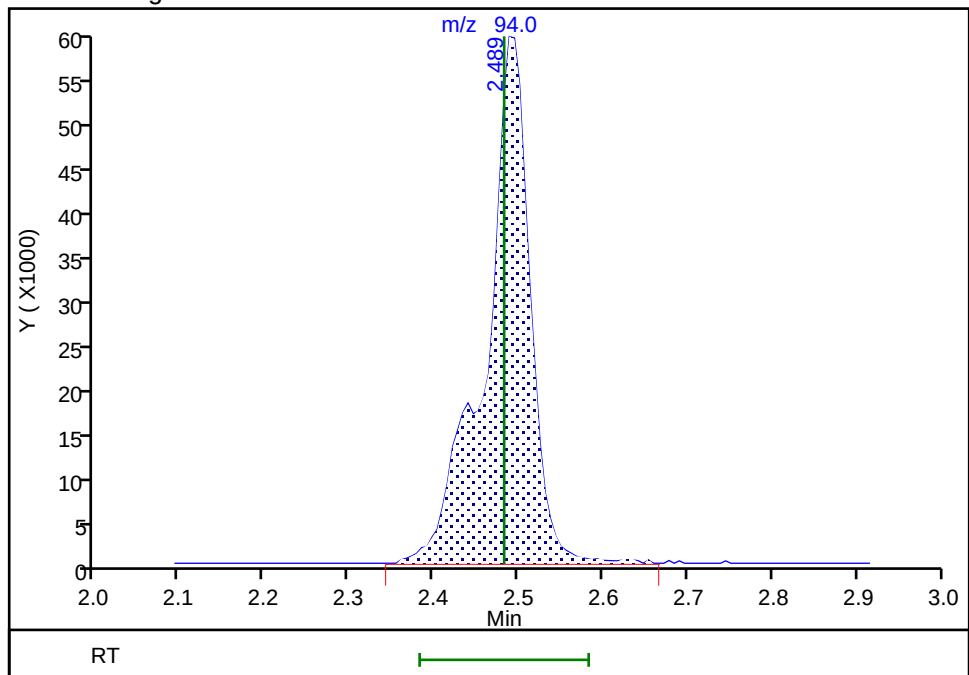
RT: 2.44
Area: 39535
Amount: 1.060557
Amount Units: ug/l

Processing Integration Results



RT: 2.49
Area: 217663
Amount: 4.849753
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:17:34 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

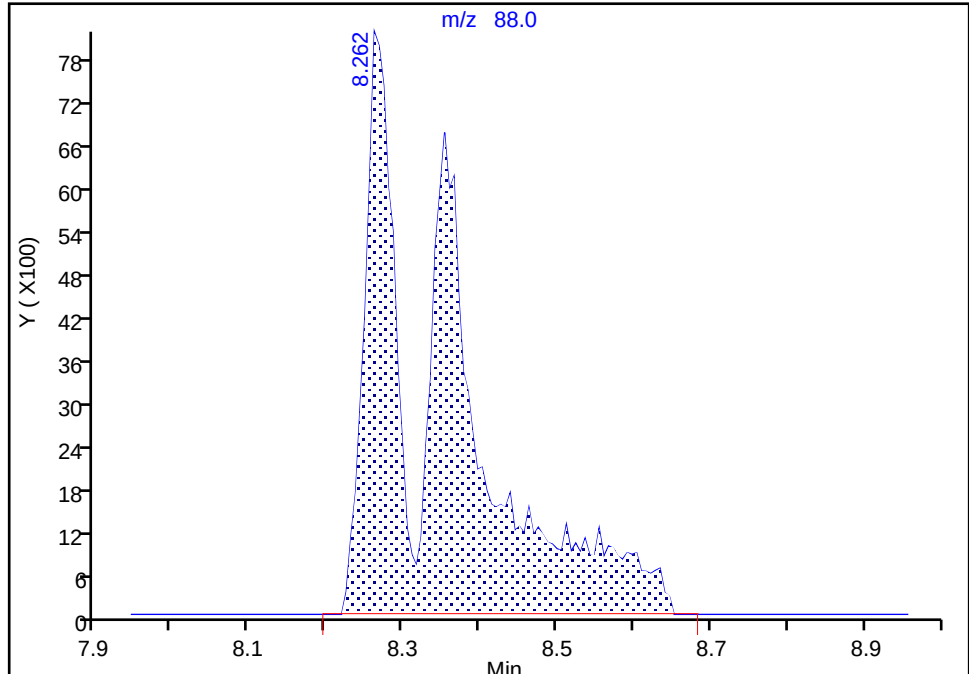
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X16.D
Injection Date: 14-Jun-2024 23:50:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

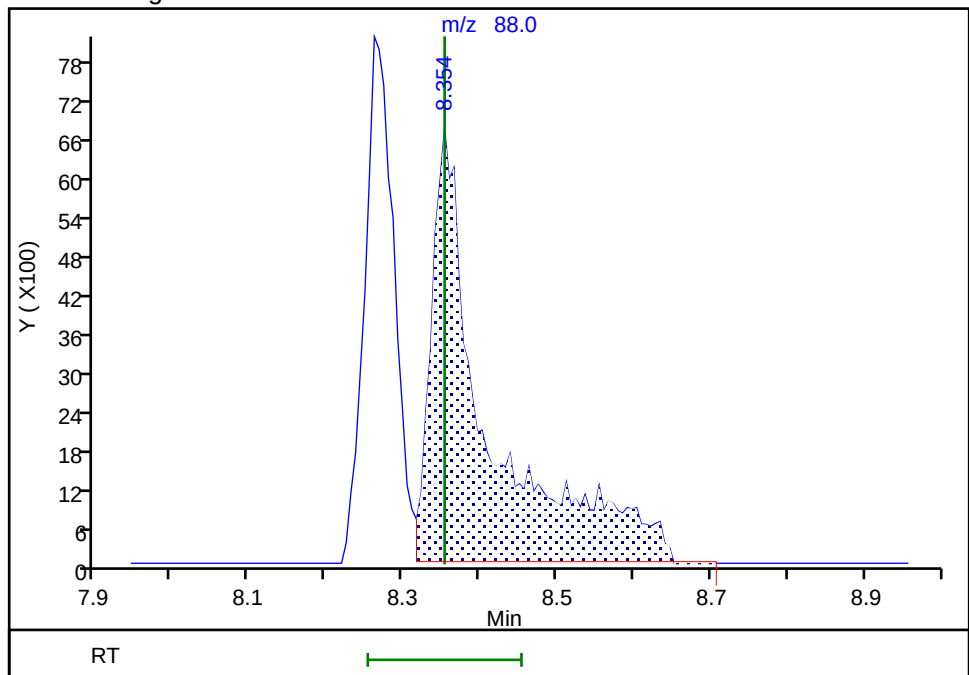
RT: 8.26
Area: 56256
Amount: 309.1298
Amount Units: ug/l

Processing Integration Results



RT: 8.35
Area: 34396
Amount: 244.0610
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:20:23 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X17.D
 Lims ID: ICIS std6
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 15-Jun-2024 00:12:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116727-018
 Misc. Info.: ICIS STD10
 Operator ID: mec29284 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 14:17:58 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: UCB5

Date: 16-Jun-2024 10:27:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.855	1.855	0.000	99	652871	10.0	10.1	
5 Chloromethane	50	2.044	2.044	0.000	99	765485	10.0	10.0	
7 Butadiene	39	2.142	2.142	0.000	91	698566	10.0	9.91	
6 Vinyl chloride	62	2.154	2.154	0.000	98	722668	10.0	9.88	
9 Bromomethane	94	2.483	2.483	0.000	91	436746	10.0	9.65	M
10 Chloroethane	64	2.526	2.526	0.000	100	407244	10.0	9.73	
11 Dichlorofluoromethane	67	2.745	2.745	0.000	97	1051500	10.0	9.70	M
12 Trichlorofluoromethane	101	2.843	2.843	0.000	98	758457	10.0	10.1	
13 Ethyl ether	59	3.038	3.038	0.000	92	302748	10.0	10.5	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.129	3.129	0.000	94	608671	10.0	9.92	
17 Acrolein	56	3.196	3.196	0.000	99	2080142	501.1	525.6	
18 1,1-Dichloroethene	96	3.324	3.324	0.000	97	394235	10.0	9.84	
19 Acetone	43	3.355	3.355	0.000	100	522365	100.0	108.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.367	3.367	0.000	93	433707	10.0	10.3	
22 Iodomethane	142	3.501	3.501	0.000	99	738562	10.0	10.2	
21 Isopropyl alcohol	45	3.532	3.532	0.000	45	167116	200.0	209.7	
23 Ethyl bromide	108	3.532	3.532	0.000	98	358942	10.0	10.4	
24 Carbon disulfide	76	3.599	3.599	0.000	99	1455250	10.0	10.2	
25 Methyl acetate	43	3.751	3.751	0.000	97	156545	10.0	12.0	
27 3-Chloro-1-propene	41	3.763	3.763	0.000	92	755129	10.0	10.1	
29 Methylene Chloride	84	3.940	3.940	0.000	94	457884	10.0	9.83	
* 30 t-Butyl alcohol-d10 (IS)	65	3.964	3.964	0.000	98	89294	50.0	50.0	
31 2-Methyl-2-propanol	59	4.080	4.080	0.000	99	320060	200.0	204.3	
32 Acrylonitrile	53	4.269	4.269	0.000	99	198175	25.0	27.9	
33 Methyl tert-butyl ether	73	4.330	4.330	0.000	80	988913	10.0	10.5	
34 trans-1,2-Dichloroethene	96	4.330	4.330	0.000	99	478439	10.0	9.92	
35 Hexane	57	4.763	4.763	0.000	92	698483	10.0	10.8	
37 1,1-Dichloroethane	63	4.995	4.995	0.000	96	918164	10.0	10.2	
38 Isopropyl ether	45	5.062	5.062	0.000	97	1618338	10.0	10.6	
39 2-Chloro-1,3-butadiene	53	5.105	5.105	0.000	91	745420	10.0	10.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.604	5.604	0.000	98	1349210	10.0	10.6	
41 2-Butanone (MEK)	43	5.818	5.818	0.000	100	893538	100.0	103.0	
42 cis-1,2-Dichloroethene	96	5.836	5.836	0.000	83	539193	10.0	10.1	
43 2,2-Dichloropropane	77	5.848	5.848	0.000	85	737719	10.0	10.0	
45 Propionitrile	54	5.903	5.903	0.000	99	520161	200.0	217.9	
48 Methacrylonitrile	67	6.117	6.117	0.000	92	965809	100.0	108.5	
49 Chlorobromomethane	128	6.165	6.165	0.000	95	205771	10.0	10.5	
50 Tetrahydrofuran	71	6.196	6.196	0.000	79	122202	50.0	55.8	
51 Chloroform	83	6.324	6.324	0.000	93	881255	10.0	9.74	
\$ 52 Dibromofluoromethane (Surr)	113	6.537	6.537	0.000	93	445215	10.0	9.97	
53 1,1,1-Trichloroethane	97	6.549	6.549	0.000	99	737626	10.0	10.1	
54 Cyclohexane	56	6.647	6.647	0.000	91	885918	10.0	10.7	
55 Carbon tetrachloride	117	6.757	6.757	0.000	96	642761	10.0	10.3	
56 1,1-Dichloropropene	75	6.763	6.763	0.000	96	698820	10.0	10.3	
58 Isobutyl alcohol	41	6.952	6.952	0.000	93	275473	500.0	527.6	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.994	6.994	0.000	87	84917	10.0	9.95	
60 Benzene	78	7.025	7.025	0.000	97	2061365	10.0	10.2	
61 1,2-Dichloroethane	62	7.092	7.092	0.000	97	469459	10.0	10.0	
63 Tert-amyl methyl ether	73	7.232	7.232	0.000	99	1138429	10.0	10.7	
* 64 Fluorobenzene (IS)	96	7.433	7.433	0.000	99	1939200	10.0	10.0	
65 n-Heptane	43	7.452	7.452	0.000	91	766082	10.0	10.4	
67 n-Butanol	56	7.848	7.848	0.000	89	440385	875.0	1052.7	
68 Trichloroethene	95	7.915	7.915	0.000	99	529657	10.0	10.2	
69 Methylcyclohexane	83	8.220	8.220	0.000	93	917911	10.0	10.8	
70 1,2-Dichloropropane	63	8.244	8.244	0.000	98	536969	10.0	10.4	
71 2-ethoxy-2-methyl butane	87	8.269	8.269	0.000	93	794451	10.0	10.9	
73 1,4-Dioxane	88	8.348	8.348	0.000	35	75119	500.0	534.4	M
72 Methyl methacrylate	69	8.348	8.348	0.000	90	171827	10.0	11.1	
74 Dibromomethane	93	8.354	8.354	0.000	97	210829	10.0	10.5	
76 Dichlorobromomethane	83	8.592	8.592	0.000	99	596741	10.0	10.5	
77 2-Nitropropane	41	8.866	8.866	0.000	98	253480	50.0	50.8	
79 1-Bromo-2-chloroethane	63	8.982	8.982	0.000	99	444426	10.0	10.7	
81 cis-1,3-Dichloropropene	75	9.152	9.152	0.000	96	764058	10.0	11.1	
82 4-Methyl-2-pentanone (MIBK)	43	9.348	9.348	0.000	97	2409855	100.0	111.3	
\$ 83 Toluene-d8 (Surr)	98	9.476	9.476	0.000	94	1910847	10.0	10.0	
84 Toluene	92	9.555	9.555	0.000	98	1323757	10.0	10.3	
85 trans-1,3-Dichloropropene	75	9.823	9.823	0.000	93	594451	10.0	11.0	
86 Ethyl methacrylate	69	9.896	9.896	0.000	89	411667	10.0	12.1	
107 1,1,2-Trichloroethane	97	10.030	10.030	0.000	90	297245	10.0	10.3	
108 Tetrachloroethene	166	10.116	10.116	0.000	97	562871	10.0	10.3	
109 1,3-Dichloropropane	76	10.195	10.195	0.000	90	544473	10.0	10.4	
110 2-Hexanone	43	10.262	10.262	0.000	97	1600756	100.0	115.3	
112 Chlorodibromomethane	129	10.408	10.408	0.000	90	382060	10.0	11.0	
113 Ethylene Dibromide	107	10.518	10.518	0.000	99	279481	10.0	10.9	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	87	1391128	10.0	10.0	
115 1-Chlorohexane	91	10.975	10.975	0.000	98	740013	10.0	10.2	
116 Chlorobenzene	112	10.988	10.988	0.000	94	1454835	10.0	10.2	
117 1,1,1,2-Tetrachloroethane	131	11.073	11.073	0.000	96	491967	10.0	10.5	
118 Ethylbenzene	91	11.079	11.079	0.000	98	2608356	10.0	10.5	
120 m-Xylene & p-Xylene	106	11.195	11.195	0.000	100	2044458	20.0	21.3	
121 o-Xylene	106	11.524	11.524	0.000	97	1007916	10.0	10.8	
122 Styrene	104	11.542	11.542	0.000	95	1585939	10.0	11.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Bromoform	173	11.695	11.695	0.000	96	204303	10.0	11.0	
124 Isopropylbenzene	105	11.829	11.829	0.000	96	2426696	10.0	10.8	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	88	697219	10.0	10.2	
128 1,1,2,2-Tetrachloroethane	83	12.073	12.073	0.000	93	369778	10.0	10.6	
129 Bromobenzene	156	12.085	12.085	0.000	95	569732	10.0	10.4	
130 trans-1,4-Dichloro-2-butene	53	12.097	12.097	0.000	90	970224	100.0	111.9	
131 1,2,3-Trichloropropane	110	12.115	12.115	0.000	77	92545	10.0	10.5	
132 N-Propylbenzene	91	12.158	12.158	0.000	99	3162914	10.0	10.5	
133 2-Chlorotoluene	126	12.231	12.231	0.000	96	626518	10.0	10.4	
134 1,3,5-Trimethylbenzene	105	12.292	12.292	0.000	94	2259935	10.0	10.8	
135 4-Chlorotoluene	126	12.323	12.323	0.000	98	651322	10.0	10.5	
136 tert-Butylbenzene	134	12.530	12.530	0.000	93	508717	10.0	10.8	
137 Pentachloroethane	167	12.560	12.560	0.000	92	362687	10.0	11.2	
138 1,2,4-Trimethylbenzene	105	12.573	12.573	0.000	97	2343118	10.0	11.0	
139 sec-Butylbenzene	105	12.694	12.694	0.000	94	2931630	10.0	10.7	
140 1,3-Dichlorobenzene	146	12.792	12.792	0.000	98	1224867	10.0	10.5	
141 4-Isopropyltoluene	119	12.804	12.804	0.000	97	2540098	10.0	11.0	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	95	768999	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.865	12.865	0.000	93	1230205	10.0	9.98	
144 1,2,3-Trimethylbenzene	120	12.877	12.877	0.000	99	1004074	10.0	10.4	
145 Benzyl chloride	126	12.944	12.944	0.000	99	156518	10.0	12.2	
146 p-Diethylbenzene	119	13.005	13.005	0.000	91	1494852	10.0	11.0	
147 n-Butylbenzene	92	13.091	13.091	0.000	98	1354656	10.0	11.1	
148 1,2-Dichlorobenzene	146	13.121	13.121	0.000	98	1078983	10.0	10.5	
150 1,2-Dibromo-3-Chloropropane	155	13.664	13.664	0.000	84	44260	10.0	11.5	
151 1,3,5-Trichlorobenzene	180	13.792	13.792	0.000	97	945482	10.0	10.3	
152 1,2,4-Trichlorobenzene	180	14.206	14.206	0.000	94	734644	10.0	10.4	
153 Hexachlorobutadiene	225	14.292	14.292	0.000	98	403004	10.0	10.3	
154 Naphthalene	128	14.389	14.389	0.000	97	1026854	10.0	11.0	
155 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	96	546238	10.0	10.3	
156 2-Methylnaphthalene	142	15.127	15.127	0.000	92	480916	10.0	11.6	
167 Pentane	43	2.837	2.837	0.000	97	734731	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00133

Amount Added: 10.00

Units: uL

MSV_LL_GAS826_00214

Amount Added: 10.00

Units: uL

MSV_LL_#2_826_00140

Amount Added: 10.00

Units: uL

MSV_HP25_ISSS_00084

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 17-Jun-2024 14:17:59

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X17.D

Injection Date: 15-Jun-2024 00:12:30

Instrument ID: 16334

Operator ID: mec29284

Lims ID: ICIS std6

Worklist Smp#: 18

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

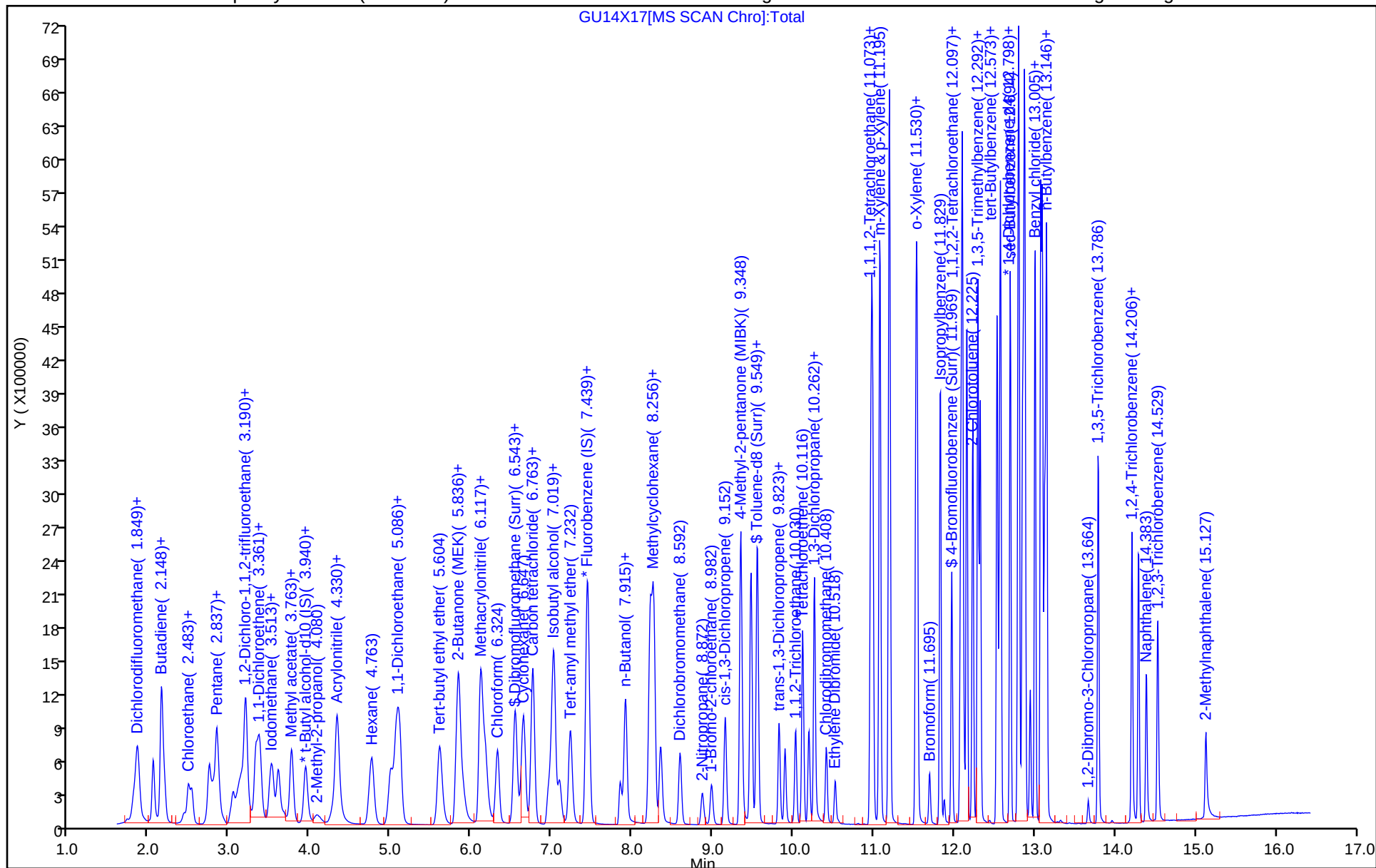
ALS Bottle#: 17

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

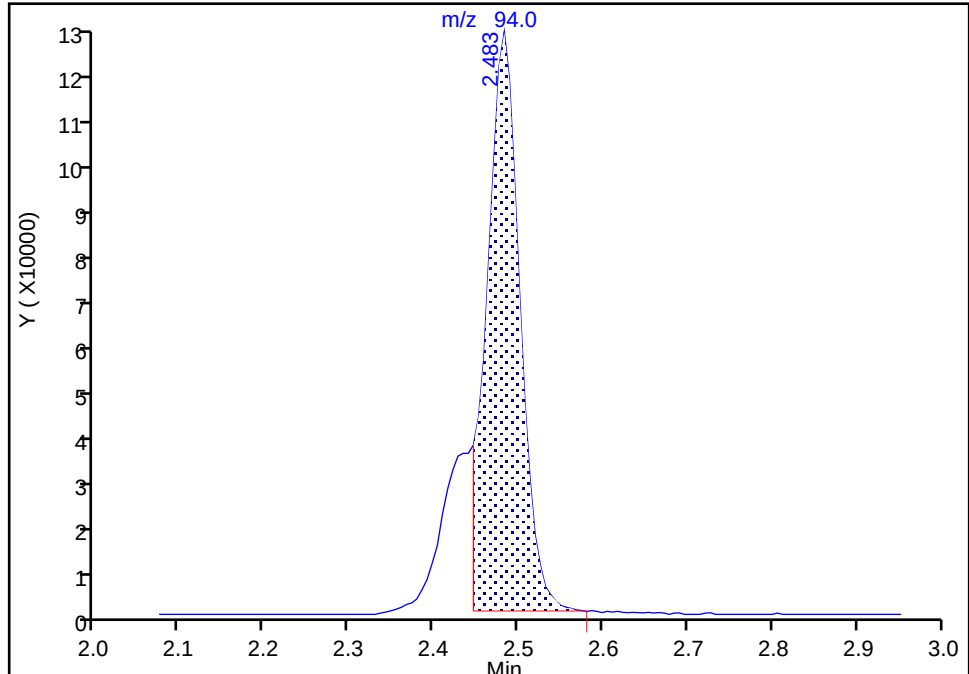
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Injection Date: 15-Jun-2024 00:12:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

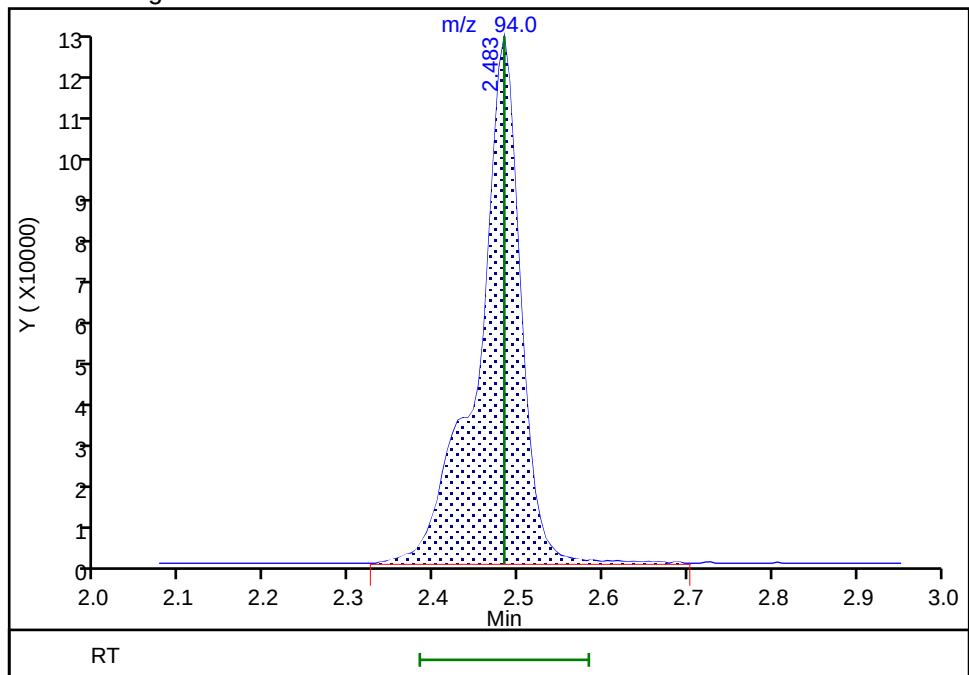
RT: 2.48
Area: 343412
Amount: 8.041055
Amount Units: ug/l

Processing Integration Results



RT: 2.48
Area: 436746
Amount: 9.653591
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:22:40 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

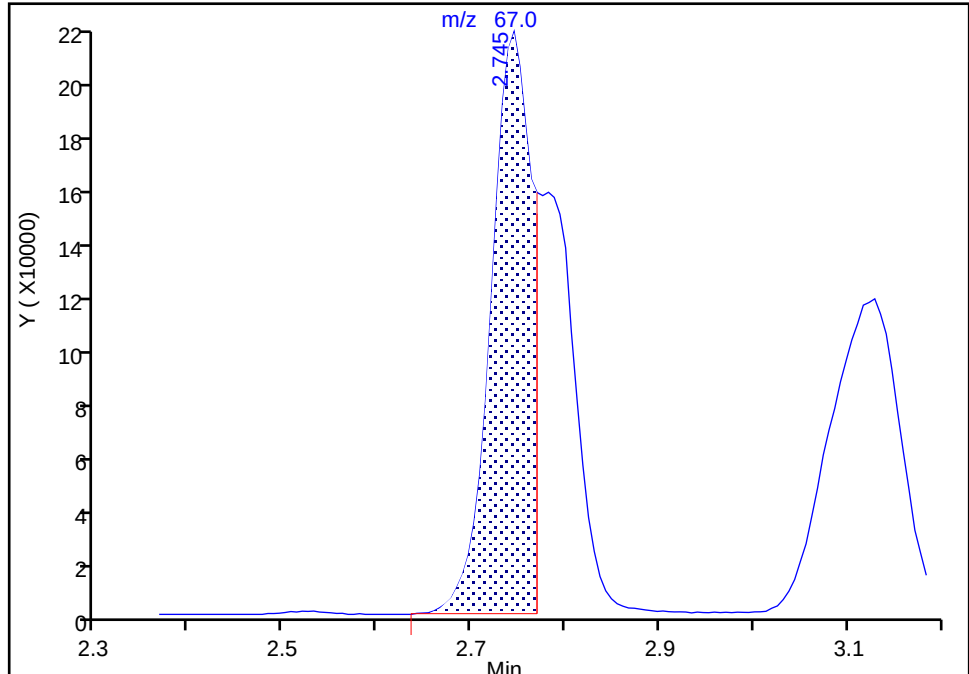
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X17.D
Injection Date: 15-Jun-2024 00:12:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

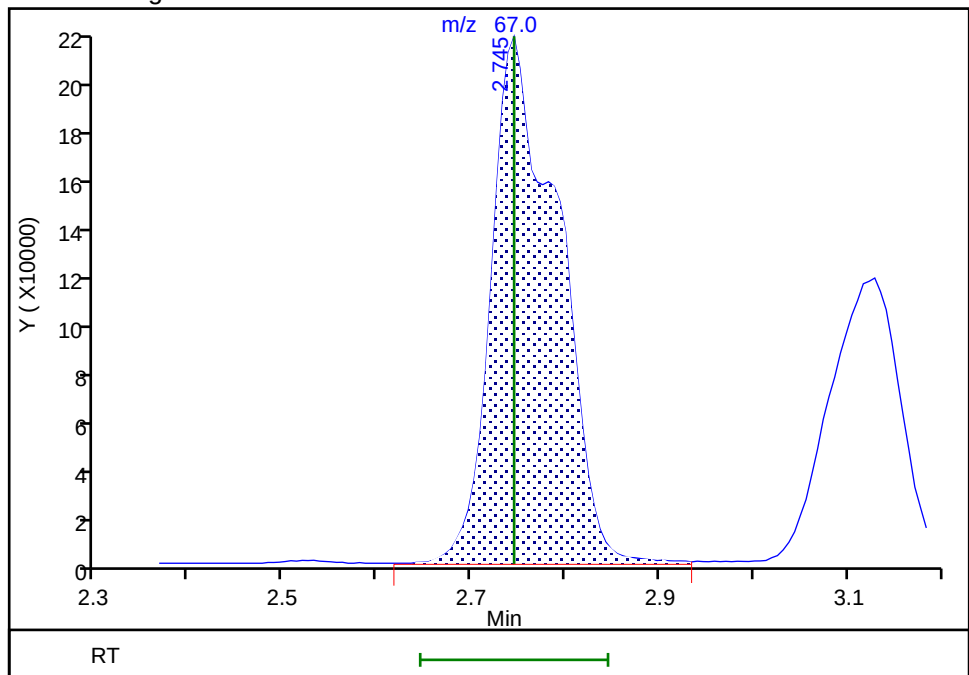
RT: 2.75
Area: 654750
Amount: 6.718231
Amount Units: ug/l

Processing Integration Results



RT: 2.75
Area: 1051500
Amount: 9.697870
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:23:13 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

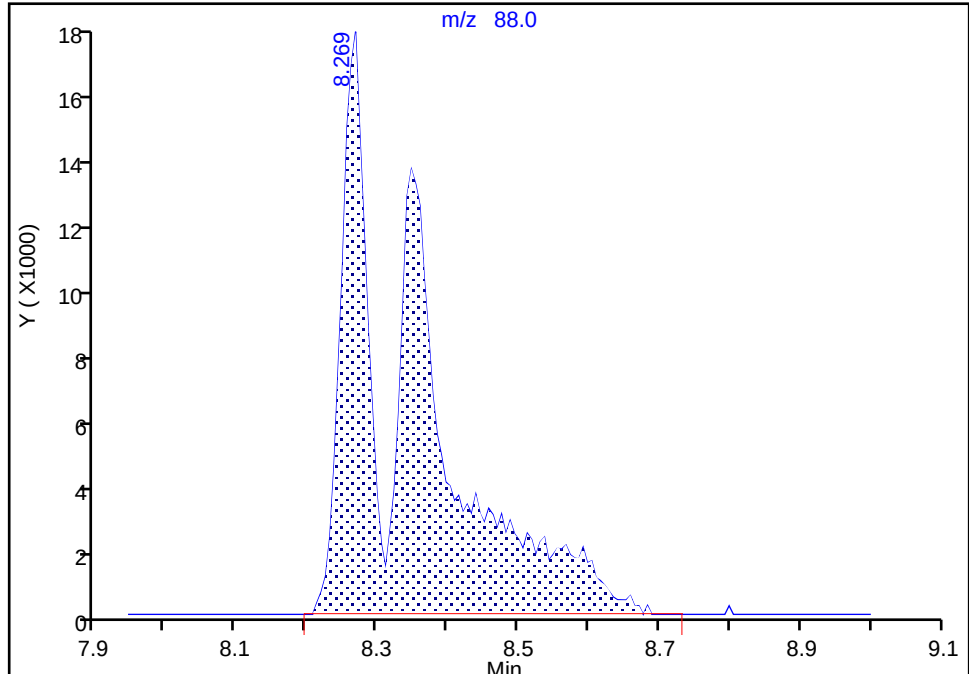
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Injection Date: 15-Jun-2024 00:12:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

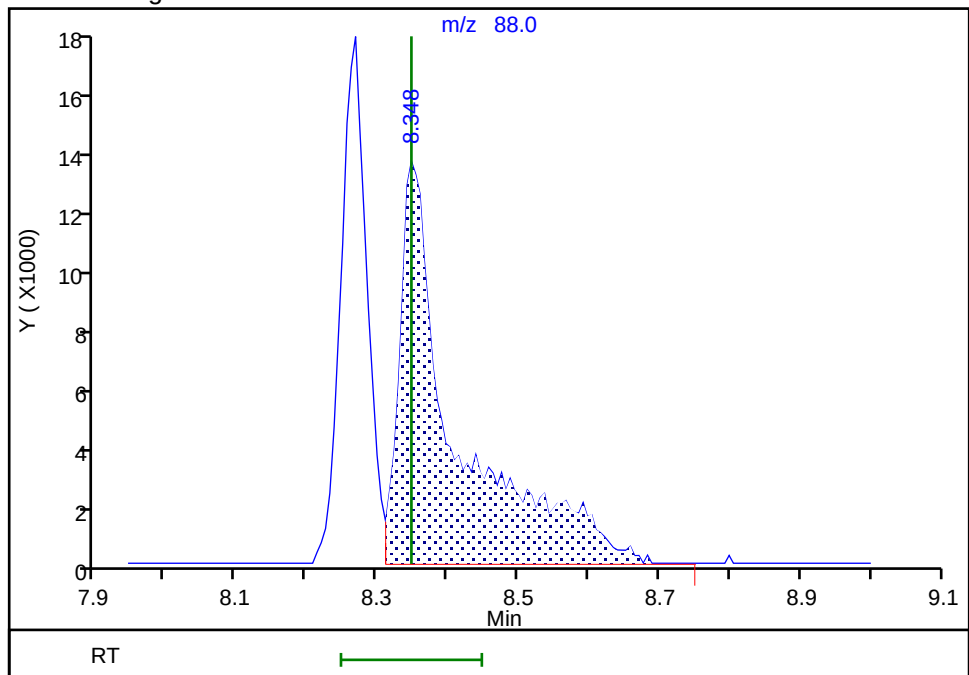
RT: 8.27
Area: 119985
Amount: 753.1252
Amount Units: ug/l

Processing Integration Results



RT: 8.35
Area: 75119
Amount: 534.3711
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:26:08 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Wrong peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Lims ID: IC std7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 15-Jun-2024 00:34:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116727-019
 Misc. Info.: IC STD25
 Operator ID: mec29284 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 14:18:02 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: UCB5

Date: 16-Jun-2024 10:32:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.855	1.855	0.000	100	1743989	25.0	24.2	
5 Chloromethane	50	2.044	2.044	0.000	99	2081403	25.0	24.5	
7 Butadiene	39	2.142	2.142	0.000	95	1947113	25.0	24.8	
6 Vinyl chloride	62	2.154	2.154	0.000	98	1960376	25.0	24.1	
9 Bromomethane	94	2.477	2.483	-0.006	91	1168941	25.0	23.2	M
10 Chloroethane	64	2.520	2.526	-0.006	100	1098795	25.0	23.6	
11 Dichlorofluoromethane	67	2.739	2.745	-0.006	97	2821030	25.0	23.4	M
12 Trichlorofluoromethane	101	2.837	2.843	-0.006	98	1998733	25.0	24.0	
13 Ethyl ether	59	3.032	3.038	-0.006	93	809720	25.0	25.2	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.129	3.129	0.000	95	1616436	25.0	23.7	
17 Acrolein	56	3.190	3.196	-0.006	99	6019187	1252.7	1383.1	
18 1,1-Dichloroethene	96	3.318	3.324	-0.006	97	1054108	25.0	23.6	
19 Acetone	43	3.355	3.355	0.000	100	1263892	250.0	239.4	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.367	3.367	0.000	93	1165128	25.0	24.8	
22 Iodomethane	142	3.501	3.501	0.000	99	1949622	25.0	24.3	
21 Isopropyl alcohol	45	3.526	3.532	-0.006	46	545398	500.0	614.5	
23 Ethyl bromide	108	3.526	3.532	-0.006	98	949671	25.0	24.6	
24 Carbon disulfide	76	3.599	3.599	0.000	99	3897895	25.0	24.4	
25 Methyl acetate	43	3.745	3.751	-0.006	97	370959	25.0	25.8	
27 3-Chloro-1-propene	41	3.763	3.763	0.000	92	2098484	25.0	25.3	
29 Methylene Chloride	84	3.934	3.940	-0.006	95	1208144	25.0	23.3	
* 30 t-Butyl alcohol-d10 (IS)	65	3.977	3.964	0.013	98	98185	50.0	50.0	
31 2-Methyl-2-propanol	59	4.086	4.080	0.006	100	868711	500.0	504.4	
32 Acrylonitrile	53	4.263	4.269	-0.006	99	528657	62.5	67.8	
33 Methyl tert-butyl ether	73	4.336	4.330	0.006	95	2667442	25.0	25.3	
34 trans-1,2-Dichloroethene	96	4.330	4.330	0.000	97	1270789	25.0	23.7	
35 Hexane	57	4.757	4.763	-0.006	92	1875073	25.0	26.1	
37 1,1-Dichloroethane	63	4.989	4.995	-0.006	96	2433938	25.0	24.3	
38 Isopropyl ether	45	5.068	5.062	0.006	95	4460307	25.0	26.1	
39 2-Chloro-1,3-butadiene	53	5.104	5.105	0.000	91	2079038	25.0	26.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.610	5.604	0.006	98	3692332	25.0	26.0	
41 2-Butanone (MEK)	43	5.818	5.818	0.000	100	2560687	250.0	268.5	
42 cis-1,2-Dichloroethene	96	5.836	5.836	0.000	83	1435821	25.0	24.1	
43 2,2-Dichloropropane	77	5.854	5.848	0.006	86	2009646	25.0	24.5	
45 Propionitrile	54	5.903	5.903	0.000	99	1466432	500.0	558.8	
48 Methacrylonitrile	67	6.116	6.117	0.000	92	2646178	250.0	270.3	
S 47 1,2-Dichloroethene, Total	100				0			47.8	
49 Chlorobromomethane	128	6.165	6.165	0.000	95	544983	25.0	25.0	
50 Tetrahydrofuran	71	6.190	6.196	-0.006	79	347132	125.0	144.1	
51 Chloroform	83	6.324	6.324	0.000	93	2371324	25.0	23.5	
\$ 52 Dibromofluoromethane (Surr)	113	6.537	6.537	0.000	92	498293	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.549	6.549	0.000	99	1990932	25.0	24.5	
54 Cyclohexane	56	6.647	6.647	0.000	91	2414916	25.0	26.3	
55 Carbon tetrachloride	117	6.757	6.757	0.000	96	1754113	25.0	25.3	
56 1,1-Dichloropropene	75	6.763	6.763	0.000	97	1922680	25.0	25.5	
58 Isobutyl alcohol	41	6.952	6.952	0.000	94	801584	1250.0	1378.6	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.988	6.994	-0.006	81	94077	10.0	9.90	
60 Benzene	78	7.025	7.025	0.000	97	5590189	25.0	24.7	
61 1,2-Dichloroethane	62	7.092	7.092	0.000	97	1325246	25.0	25.4	
63 Tert-amyl methyl ether	73	7.232	7.232	0.000	99	3099276	25.0	26.3	
* 64 Fluorobenzene (IS)	96	7.433	7.433	0.000	99	2159303	10.0	10.0	
65 n-Heptane	43	7.452	7.452	0.000	93	2067317	25.0	25.1	
67 n-Butanol	56	7.848	7.848	0.000	88	1249619	2187.5	2716.5	
68 Trichloroethene	95	7.915	7.915	0.000	99	1442180	25.0	24.9	
69 Methylcyclohexane	83	8.220	8.220	0.000	93	2483032	25.0	26.2	
70 1,2-Dichloropropane	63	8.244	8.244	0.000	98	1463429	25.0	25.4	
71 2-ethoxy-2-methyl butane	87	8.268	8.269	-0.001	92	2189991	25.0	26.9	
73 1,4-Dioxane	88	8.354	8.348	0.006	42	194066	1250.0	1238.3	M
72 Methyl methacrylate	69	8.348	8.348	0.000	92	503643	25.0	29.6	
74 Dibromomethane	93	8.354	8.354	0.000	96	578809	25.0	25.8	
76 Dichlorobromomethane	83	8.592	8.592	0.000	99	1633336	25.0	25.8	
77 2-Nitropropane	41	8.866	8.866	0.000	97	744733	125.0	135.8	
79 1-Bromo-2-chloroethane	63	8.982	8.982	0.000	99	1221646	25.0	26.5	
81 cis-1,3-Dichloropropene	75	9.152	9.152	0.000	95	2084758	25.0	27.1	
82 4-Methyl-2-pentanone (MIBK)	43	9.348	9.348	0.000	97	6849355	250.0	287.8	
\$ 83 Toluene-d8 (Surr)	98	9.476	9.476	0.000	94	2123104	10.0	10.0	
84 Toluene	92	9.555	9.555	0.000	98	3528902	25.0	24.8	
85 trans-1,3-Dichloropropene	75	9.823	9.823	0.000	94	1643467	25.0	27.5	
86 Ethyl methacrylate	69	9.896	9.896	0.000	90	1189790	25.0	31.6	
107 1,1,2-Trichloroethane	97	10.030	10.030	0.000	91	788043	25.0	24.6	
S 106 1,3-Dichloropropene, Total	100				0			54.6	
108 Tetrachloroethene	166	10.116	10.116	0.000	96	1473484	25.0	24.4	
109 1,3-Dichloropropane	76	10.195	10.195	0.000	91	1481148	25.0	25.7	
110 2-Hexanone	43	10.262	10.262	0.000	97	4630166	250.0	303.3	
112 Chlorodibromomethane	129	10.408	10.408	0.000	90	1032653	25.0	26.8	
113 Ethylene Dibromide	107	10.518	10.518	0.000	98	745995	25.0	26.2	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	86	1539769	10.0	10.0	
115 1-Chlorohexane	91	10.975	10.975	0.000	97	2006926	25.0	25.1	
116 Chlorobenzene	112	10.987	10.988	-0.001	94	3856069	25.0	24.5	
117 1,1,1,2-Tetrachloroethane	131	11.073	11.073	0.000	96	1314565	25.0	25.3	
118 Ethylbenzene	91	11.079	11.079	0.000	99	7093858	25.0	25.8	
120 m-Xylene & p-Xylene	106	11.195	11.195	0.000	100	5500949	50.0	51.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 119 Xylenes, Total	106				0			78.0	
121 o-Xylene	106	11.524	11.524	0.000	97	2695709	25.0	26.2	
122 Styrene	104	11.542	11.542	0.000	95	4341132	25.0	27.8	
123 Bromoform	173	11.695	11.695	0.000	95	561050	25.0	27.2	
124 Isopropylbenzene	105	11.829	11.829	0.000	96	6507518	25.0	26.3	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	87	773088	10.0	10.2	
128 1,1,2,2-Tetrachloroethane	83	12.073	12.073	0.000	92	998688	25.0	25.0	
129 Bromobenzene	156	12.085	12.085	0.000	96	1501861	25.0	24.0	
130 trans-1,4-Dichloro-2-butene	53	12.097	12.097	0.000	91	2844972	250.0	298.5	
131 1,2,3-Trichloropropane	110	12.115	12.115	0.000	77	250582	25.0	24.9	
132 N-Propylbenzene	91	12.158	12.158	0.000	99	8546107	25.0	24.8	
133 2-Chlorotoluene	126	12.231	12.231	0.000	96	1671984	25.0	24.3	
134 1,3,5-Trimethylbenzene	105	12.292	12.292	0.000	93	6136784	25.0	25.6	
135 4-Chlorotoluene	126	12.323	12.323	0.000	98	1746862	25.0	24.7	
136 tert-Butylbenzene	134	12.530	12.530	0.000	93	1344542	25.0	24.9	
137 Pentachloroethane	167	12.560	12.560	0.000	93	972177	25.0	26.2	
138 1,2,4-Trimethylbenzene	105	12.573	12.573	0.000	98	6312551	25.0	25.8	
139 sec-Butylbenzene	105	12.694	12.694	0.000	95	7902661	25.0	25.2	
140 1,3-Dichlorobenzene	146	12.792	12.792	0.000	97	3276196	25.0	24.6	
141 4-Isopropyltoluene	119	12.804	12.804	0.000	97	6846221	25.0	25.8	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	94	881194	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.865	12.865	0.000	93	3405661	25.0	24.1	
144 1,2,3-Trimethylbenzene	120	12.877	12.877	0.000	99	2788453	25.0	25.3	
145 Benzyl chloride	126	12.944	12.944	0.000	99	433576	25.0	29.5	
146 p-Diethylbenzene	119	13.005	13.005	0.000	91	4055620	25.0	26.0	
147 n-Butylbenzene	92	13.091	13.091	0.000	97	3727169	25.0	26.7	
148 1,2-Dichlorobenzene	146	13.121	13.121	0.000	97	2949435	25.0	25.0	
150 1,2-Dibromo-3-Chloropropane	155	13.664	13.664	0.000	84	127384	25.0	28.9	
151 1,3,5-Trichlorobenzene	180	13.786	13.792	-0.006	97	2544825	25.0	24.2	
152 1,2,4-Trichlorobenzene	180	14.206	14.206	0.000	94	1988190	25.0	24.5	
153 Hexachlorobutadiene	225	14.292	14.292	0.000	98	1044472	25.0	23.3	
154 Naphthalene	128	14.383	14.389	-0.006	97	2846648	25.0	26.5	
155 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	95	1469599	25.0	24.3	
156 2-Methylnaphthalene	142	15.121	15.127	-0.006	92	1326471	25.0	27.9	
167 Pentane	43	2.831	2.837	-0.006	97	2010130	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00133

Amount Added: 25.00

Units: uL

MSV_LL_GAS826_00214

Amount Added: 25.00

Units: uL

MSV_LL_#2_826_00140

Amount Added: 25.00

Units: uL

MSV_HP25_ISSS_00084

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 17-Jun-2024 14:18:03

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D

Injection Date: 15-Jun-2024 00:34:30

Instrument ID: 16334

Operator ID: mec29284

Lims ID: IC std7

Worklist Smp#: 19

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

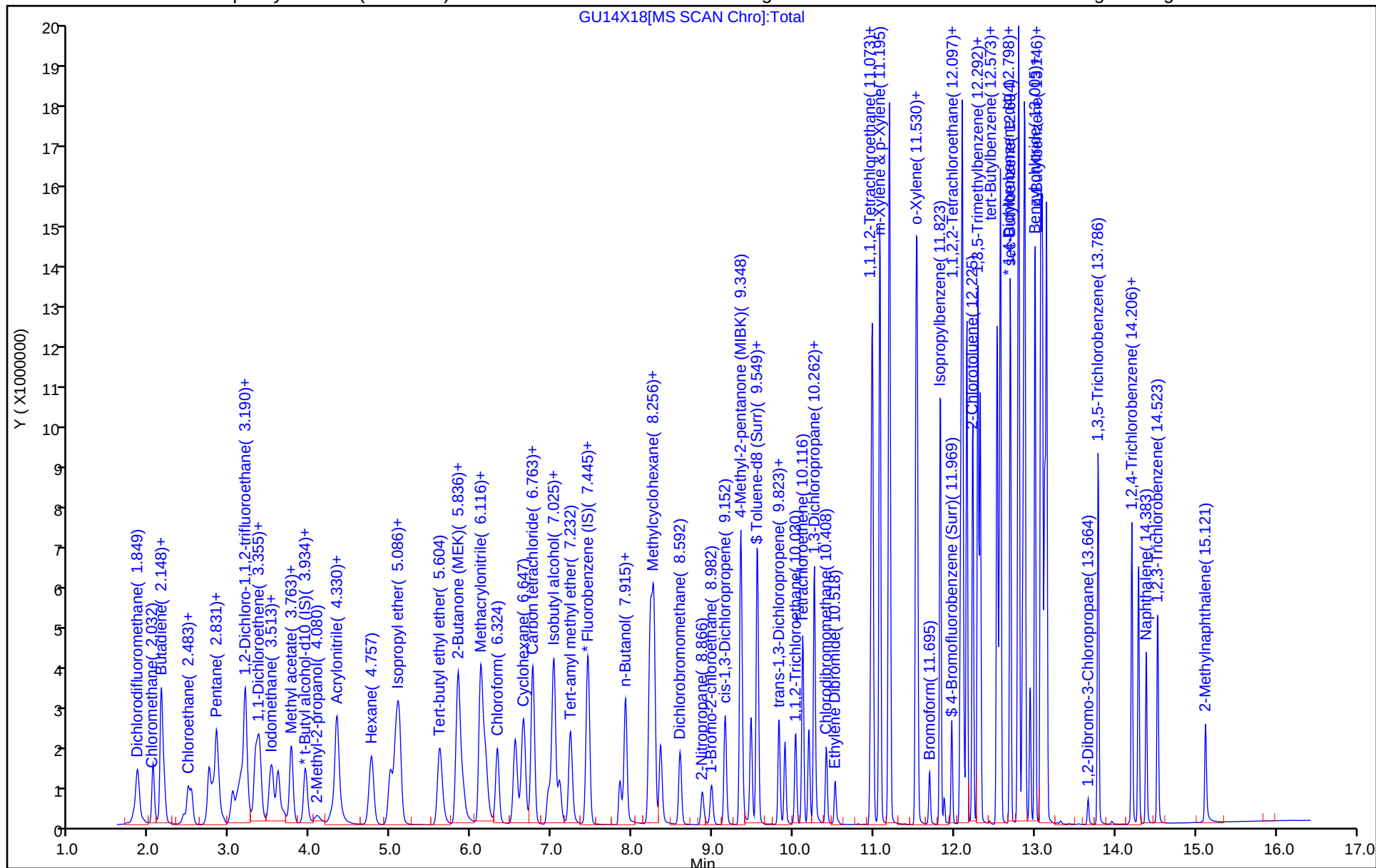
ALS Bottle#: 18

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

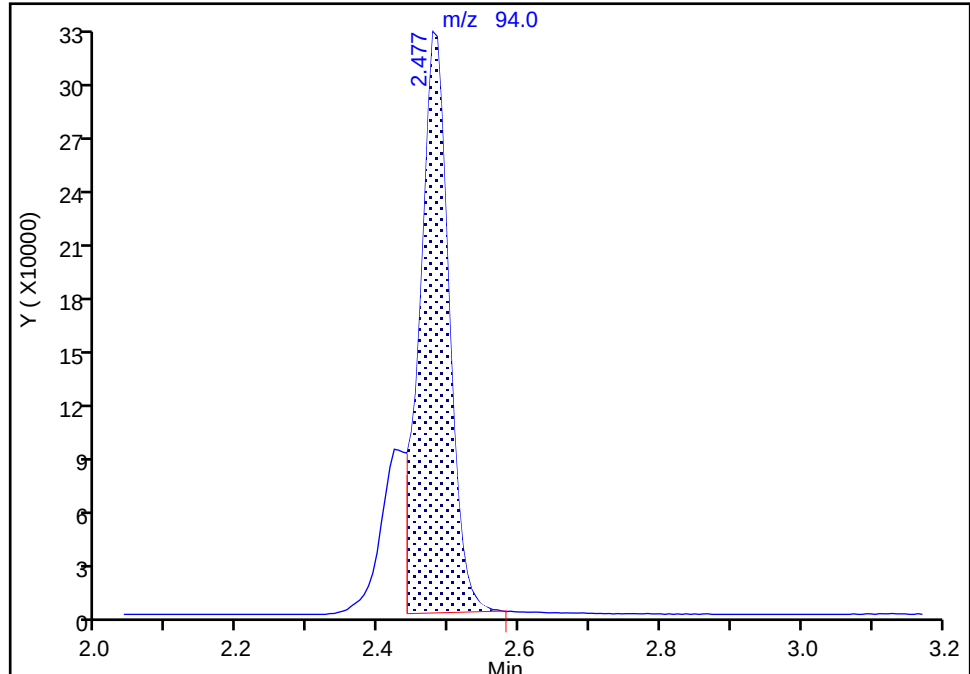
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Injection Date: 15-Jun-2024 00:34:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: mec29284 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

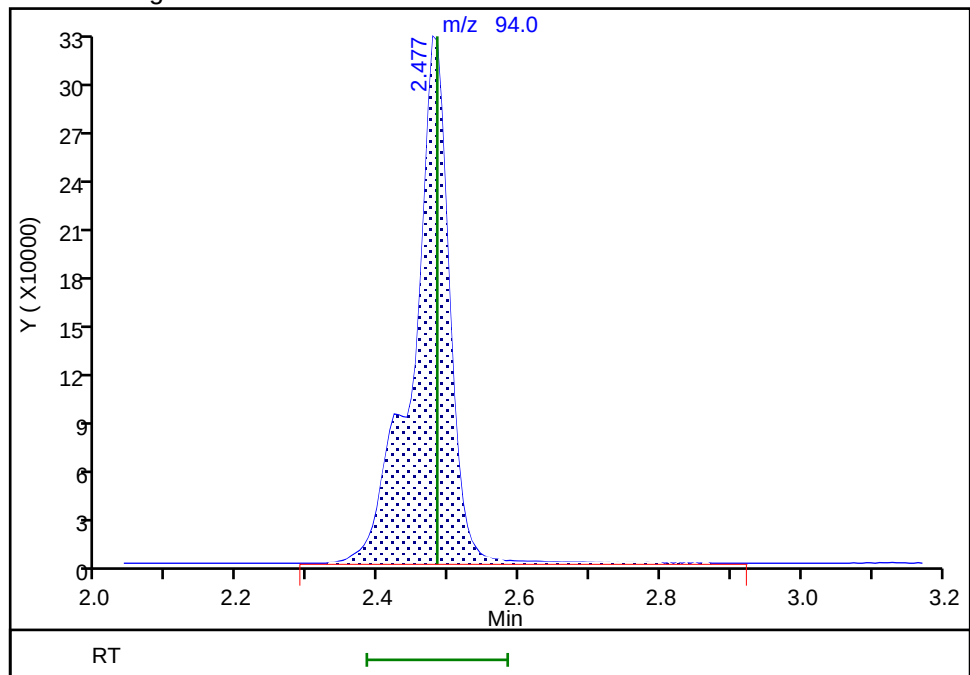
RT: 2.48
Area: 934883
Amount: 19.063924
Amount Units: ug/l

Processing Integration Results



RT: 2.48
Area: 1168941
Amount: 23.203930
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:28:10 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

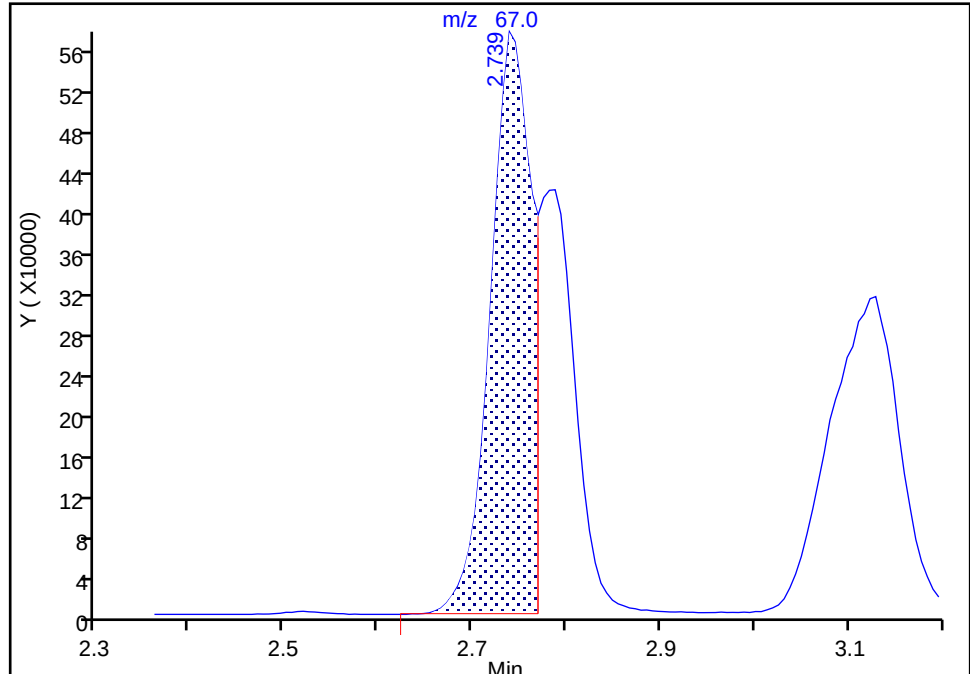
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
Injection Date: 15-Jun-2024 00:34:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: mec29284 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

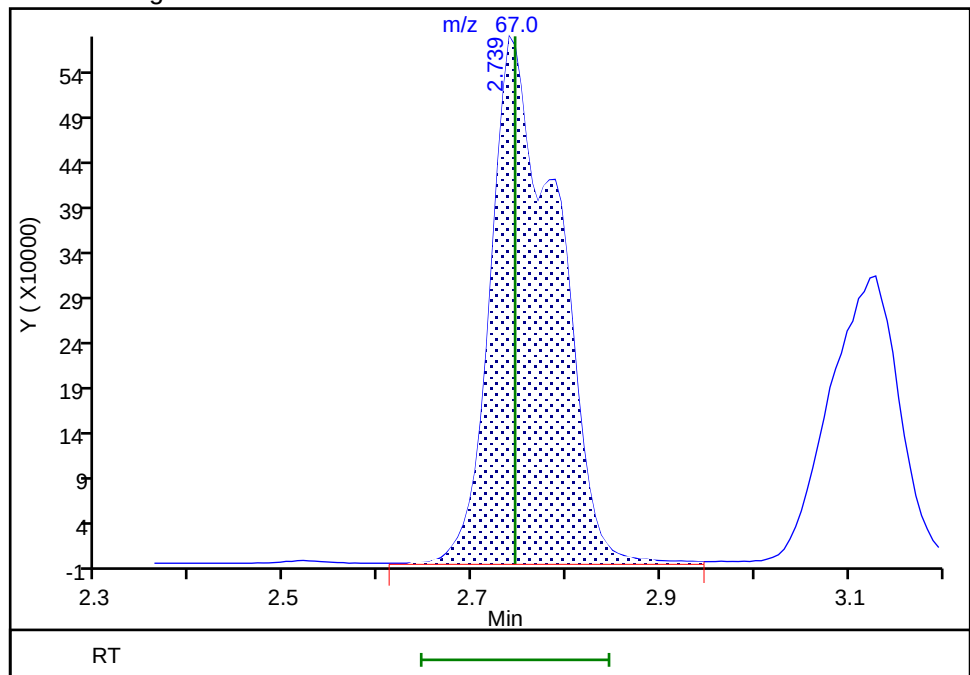
RT: 2.74
Area: 1788388
Amount: 15.574004
Amount Units: ug/l

Processing Integration Results



RT: 2.74
Area: 2821030
Amount: 23.365969
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:29:07 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

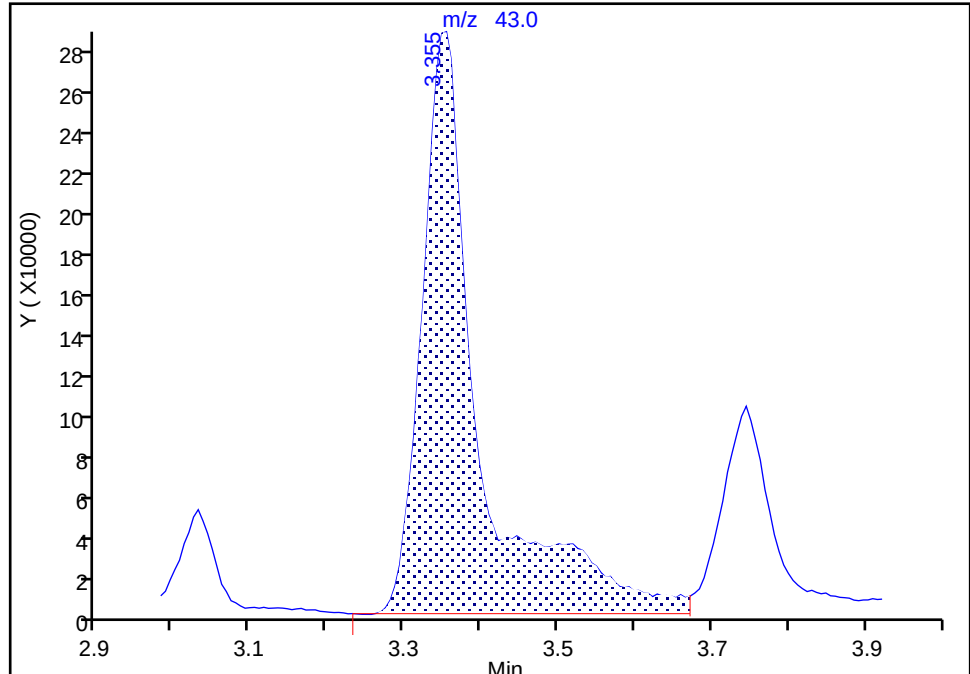
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
Injection Date: 15-Jun-2024 00:34:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: mec29284 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 Acetone, CAS: 67-64-1

Signal: 1

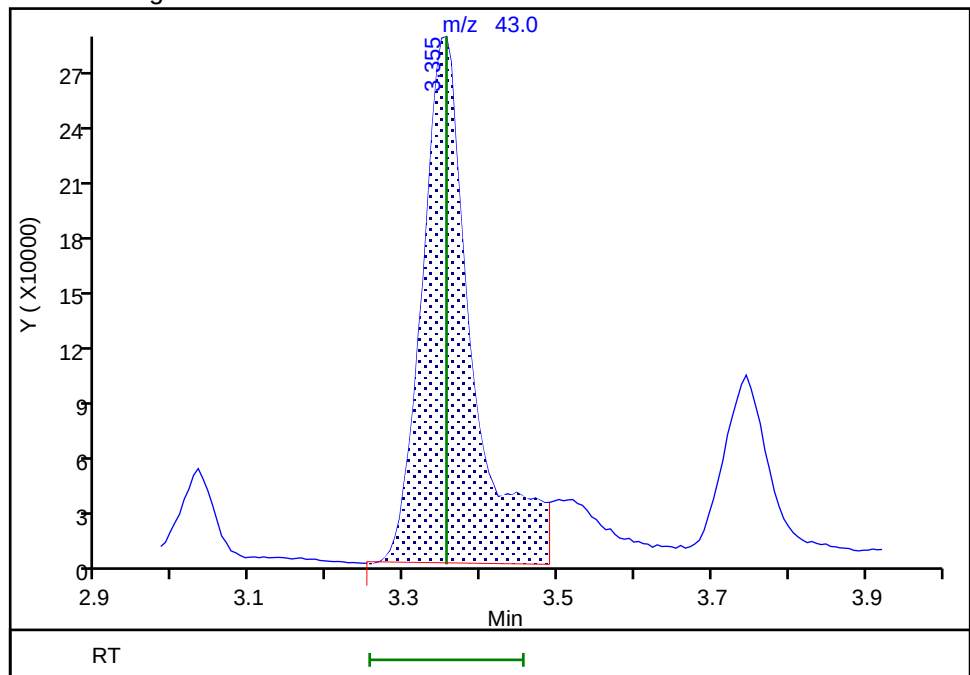
RT: 3.35
Area: 1455355
Amount: 270.0479
Amount Units: ug/l

Processing Integration Results



RT: 3.35
Area: 1263892
Amount: 239.3807
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:29:27 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

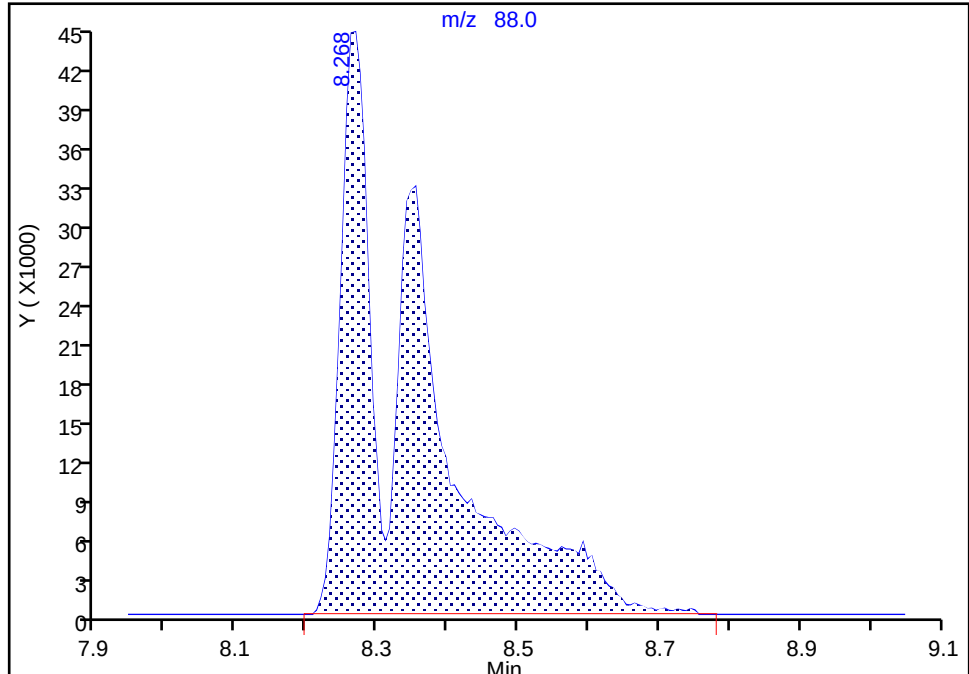
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
Injection Date: 15-Jun-2024 00:34:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: mec29284 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

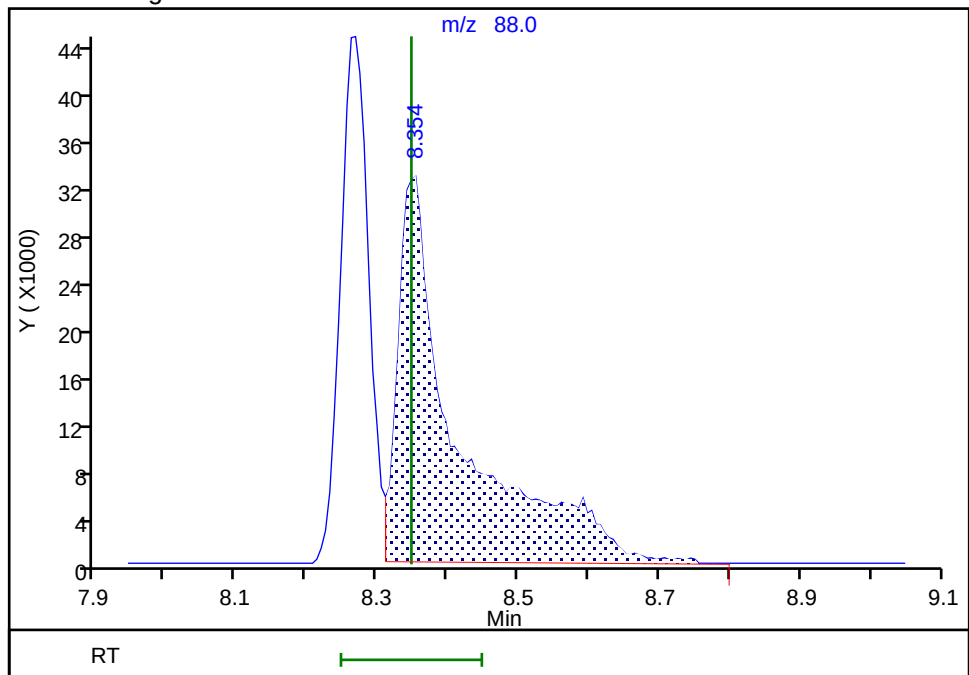
RT: 8.27
Area: 316711
Amount: 2037.4353
Amount Units: ug/l

Processing Integration Results



RT: 8.35
Area: 194066
Amount: 1238.3377
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 10:30:32 -04:00:00 (UTC)

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

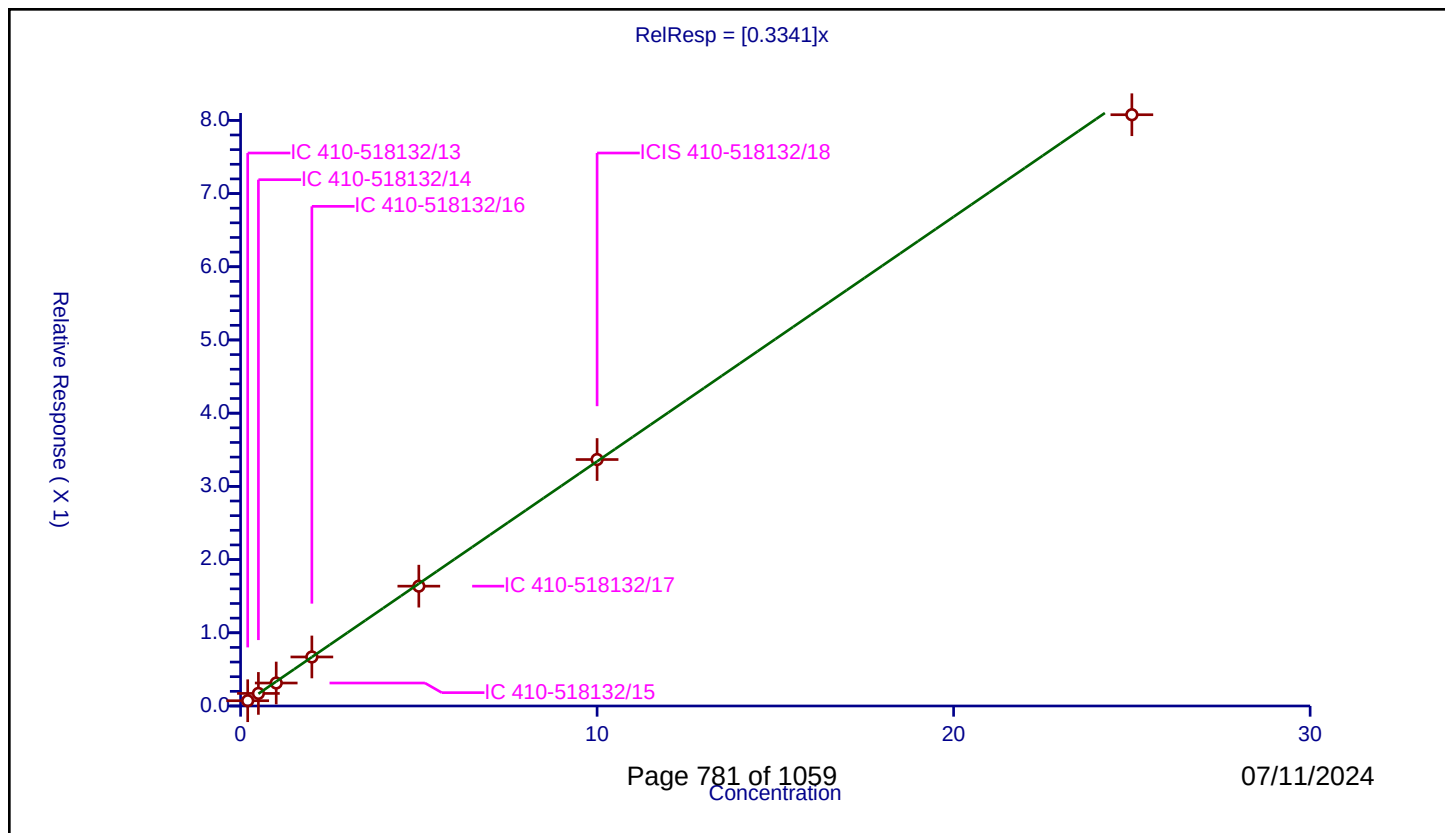
Curve Coefficients

Intercept: 0
Slope: 0.3341

Error Coefficients

Relative Standard Deviation: 4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.071868	10.0	1913642.0	0.359341	Y
2	IC 410-518132/14	0.5	0.171813	10.0	1810978.0	0.343626	Y
3	IC 410-518132/15	1.0	0.313865	10.0	1938794.0	0.313865	Y
4	IC 410-518132/16	2.0	0.669636	10.0	1835862.0	0.334818	Y
5	IC 410-518132/17	5.0	1.636984	10.0	1923745.0	0.327397	Y
6	ICIS 410-518132/18	10.0	3.366703	10.0	1939200.0	0.33667	Y
7	IC 410-518132/19	25.0	8.076629	10.0	2159303.0	0.323065	Y



Calibration

/ Chloromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

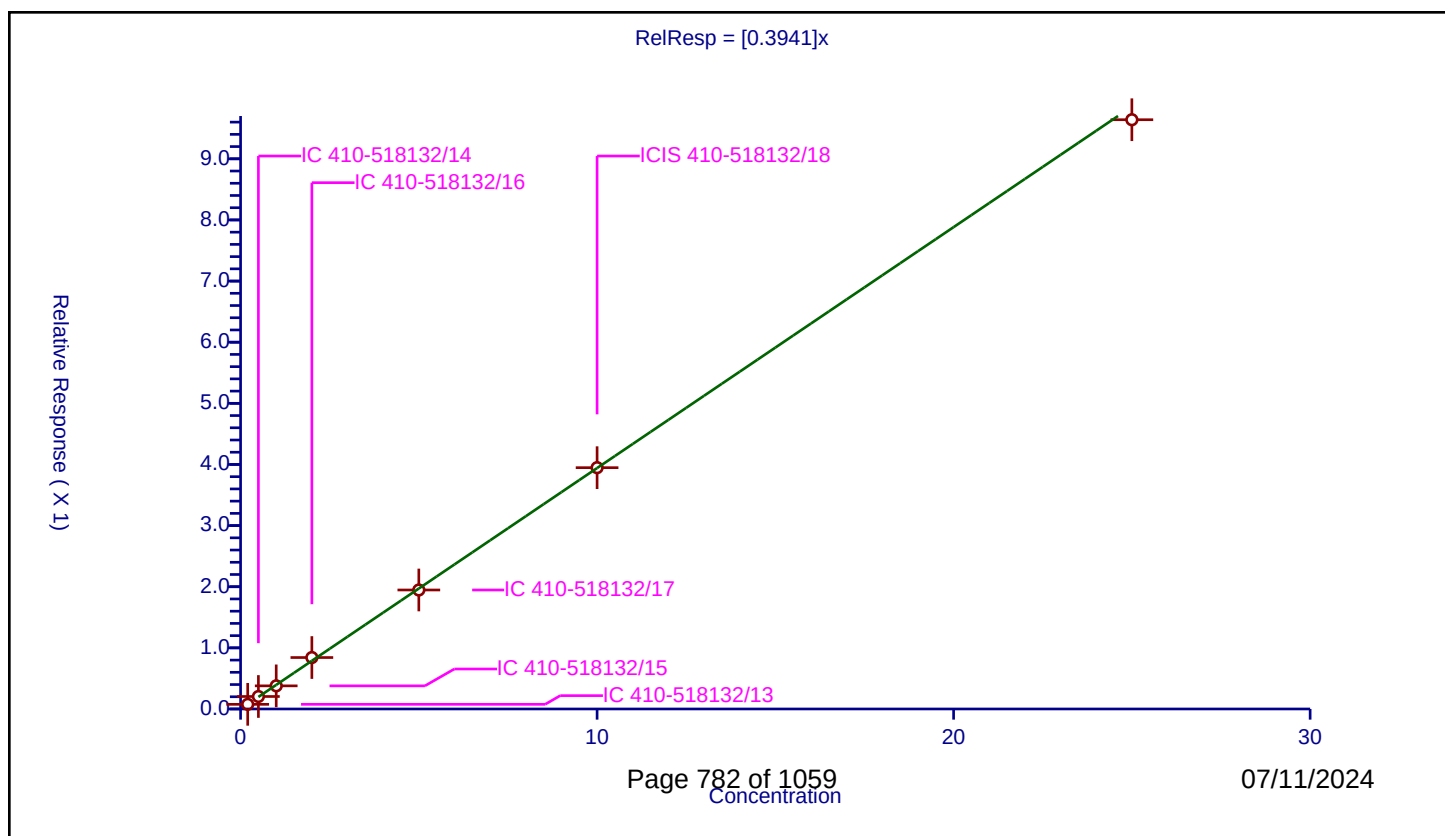
Curve Coefficients

Intercept: 0
Slope: 0.3941

Error Coefficients

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.076247	10.0	1913642.0	0.381236	Y
2	IC 410-518132/14	0.5	0.204304	10.0	1810978.0	0.408608	Y
3	IC 410-518132/15	1.0	0.37855	10.0	1938794.0	0.37855	Y
4	IC 410-518132/16	2.0	0.84155	10.0	1835862.0	0.420775	Y
5	IC 410-518132/17	5.0	1.946713	10.0	1923745.0	0.389343	Y
6	ICIS 410-518132/18	10.0	3.947427	10.0	1939200.0	0.394743	Y
7	IC 410-518132/19	25.0	9.639235	10.0	2159303.0	0.385569	Y



Calibration

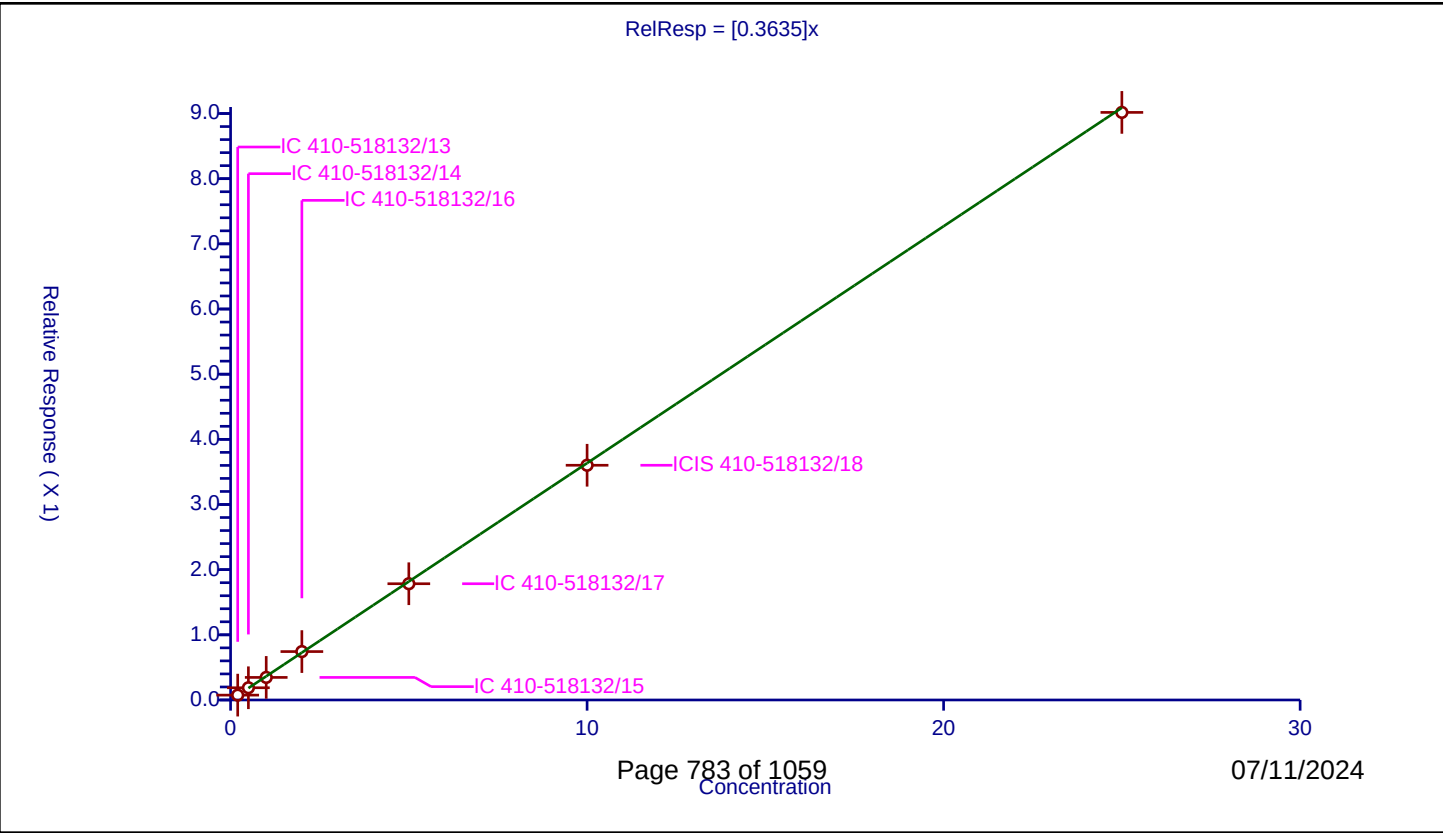
/ Butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3635
Error Coefficients	

Relative Standard Deviation: 2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.074774	10.0	1913642.0	0.373868	Y
2	IC 410-518132/14	0.5	0.187512	10.0	1810978.0	0.375024	Y
3	IC 410-518132/15	1.0	0.346509	10.0	1938794.0	0.346509	Y
4	IC 410-518132/16	2.0	0.743024	10.0	1835862.0	0.371512	Y
5	IC 410-518132/17	5.0	1.784109	10.0	1923745.0	0.356822	Y
6	ICIS 410-518132/18	10.0	3.602341	10.0	1939200.0	0.360234	Y
7	IC 410-518132/19	25.0	9.017322	10.0	2159303.0	0.360693	Y



Calibration

/ Vinyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

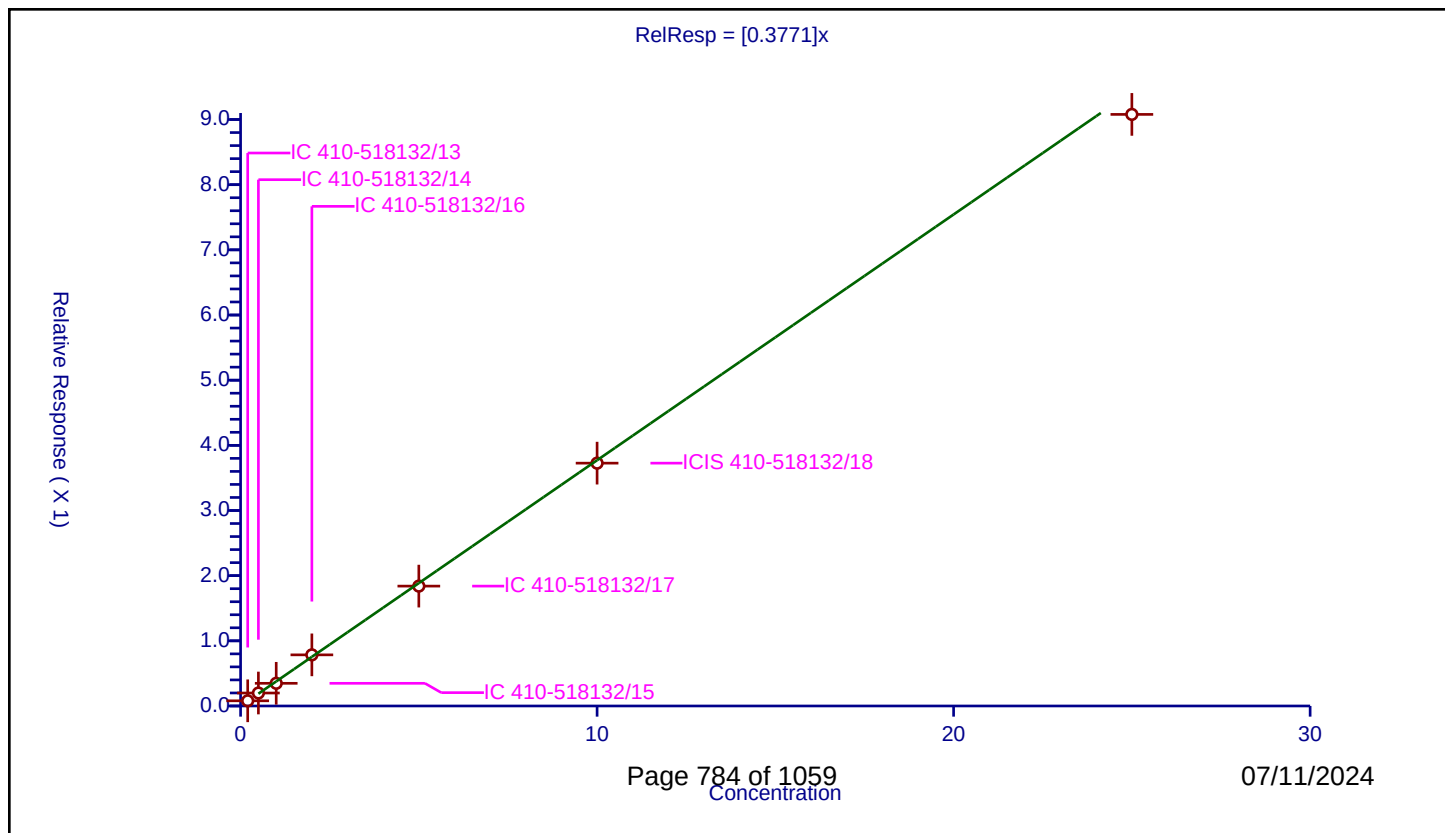
Curve Coefficients

Intercept: 0
Slope: 0.3771

Error Coefficients

Relative Standard Deviation: 5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.079566	10.0	1913642.0	0.397828	Y
2	IC 410-518132/14	0.5	0.198909	10.0	1810978.0	0.397818	Y
3	IC 410-518132/15	1.0	0.348227	10.0	1938794.0	0.348227	Y
4	IC 410-518132/16	2.0	0.78489	10.0	1835862.0	0.392445	Y
5	IC 410-518132/17	5.0	1.839573	10.0	1923745.0	0.367915	Y
6	ICIS 410-518132/18	10.0	3.72663	10.0	1939200.0	0.372663	Y
7	IC 410-518132/19	25.0	9.078744	10.0	2159303.0	0.36315	Y



Calibration

/ Bromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

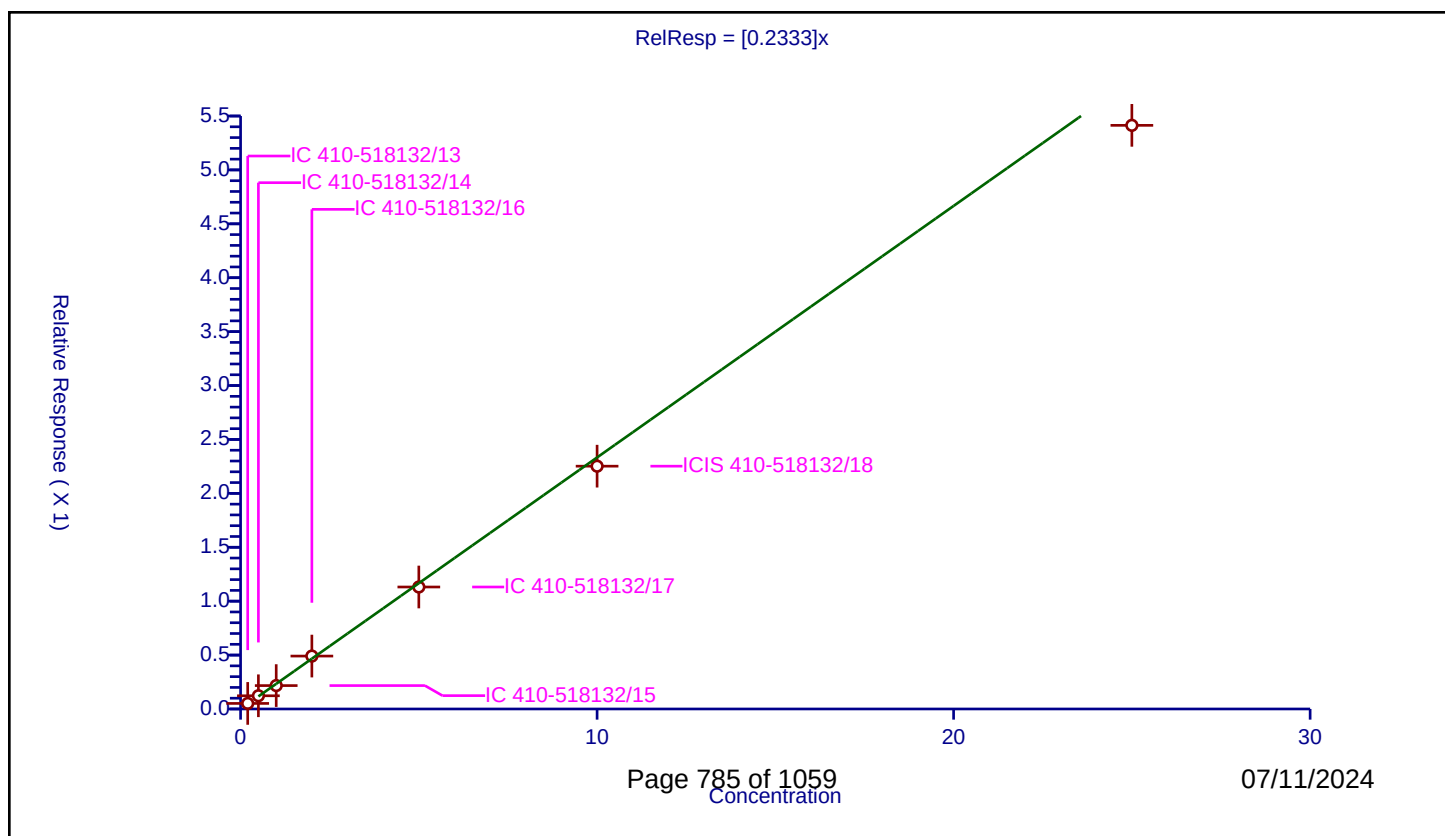
Curve Coefficients

Intercept: 0
Slope: 0.2333

Error Coefficients

Relative Standard Deviation: 6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.051499	10.0	1913642.0	0.257493	Y
2	IC 410-518132/14	0.5	0.122602	10.0	1810978.0	0.245205	Y
3	IC 410-518132/15	1.0	0.216924	10.0	1938794.0	0.216924	Y
4	IC 410-518132/16	2.0	0.490876	10.0	1835862.0	0.245438	Y
5	IC 410-518132/17	5.0	1.131455	10.0	1923745.0	0.226291	Y
6	ICIS 410-518132/18	10.0	2.252197	10.0	1939200.0	0.22522	Y
7	IC 410-518132/19	25.0	5.413511	10.0	2159303.0	0.21654	Y



Calibration

/ Chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

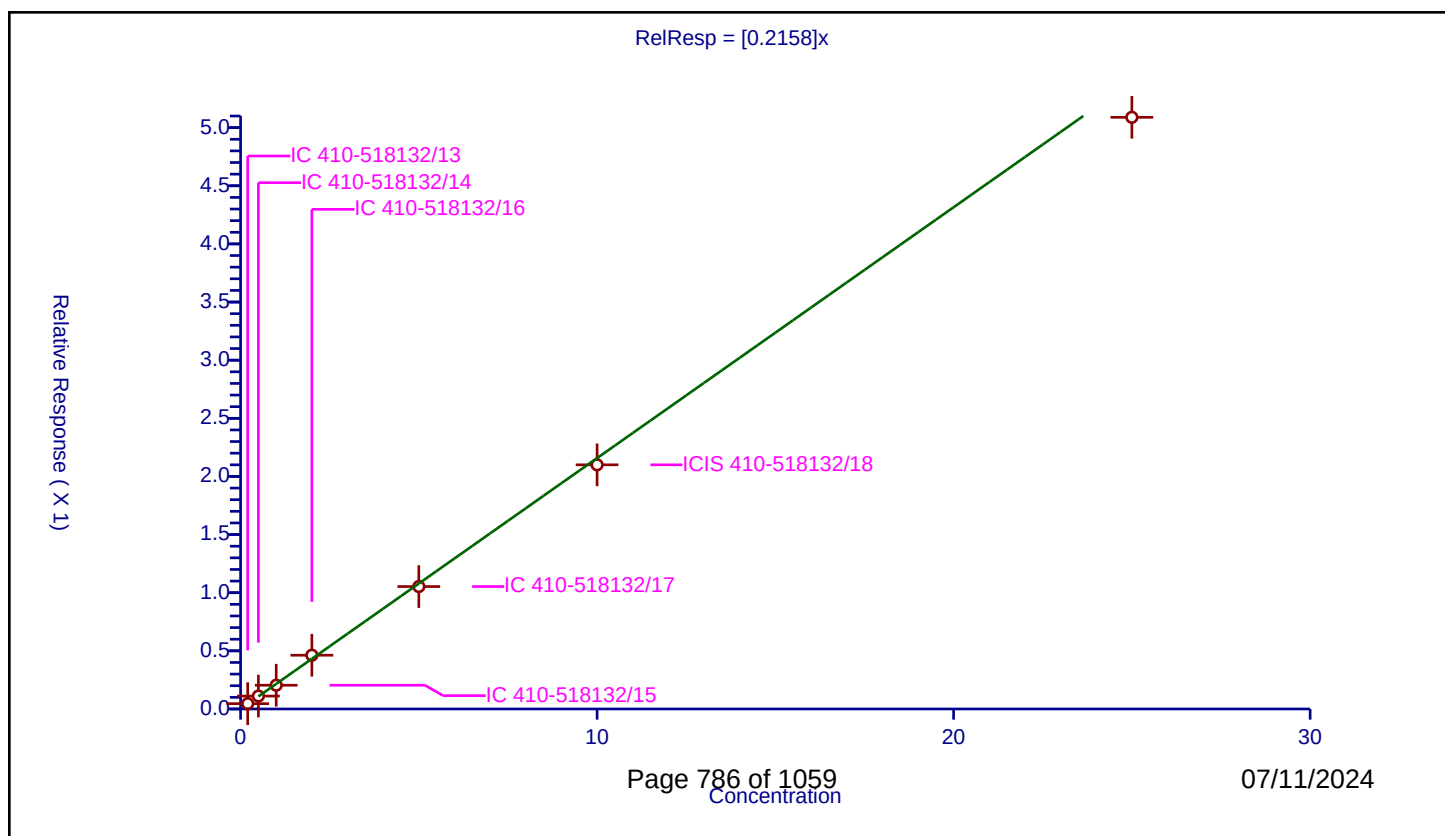
Curve Coefficients

Intercept: 0
Slope: 0.2158

Error Coefficients

Relative Standard Deviation: 5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.045683	10.0	1913642.0	0.228413	Y
2	IC 410-518132/14	0.5	0.111144	10.0	1810978.0	0.222289	Y
3	IC 410-518132/15	1.0	0.20423	10.0	1938794.0	0.20423	Y
4	IC 410-518132/16	2.0	0.462399	10.0	1835862.0	0.231199	Y
5	IC 410-518132/17	5.0	1.053165	10.0	1923745.0	0.210633	Y
6	ICIS 410-518132/18	10.0	2.100062	10.0	1939200.0	0.210006	Y
7	IC 410-518132/19	25.0	5.088656	10.0	2159303.0	0.203546	Y



Calibration

/ Dichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

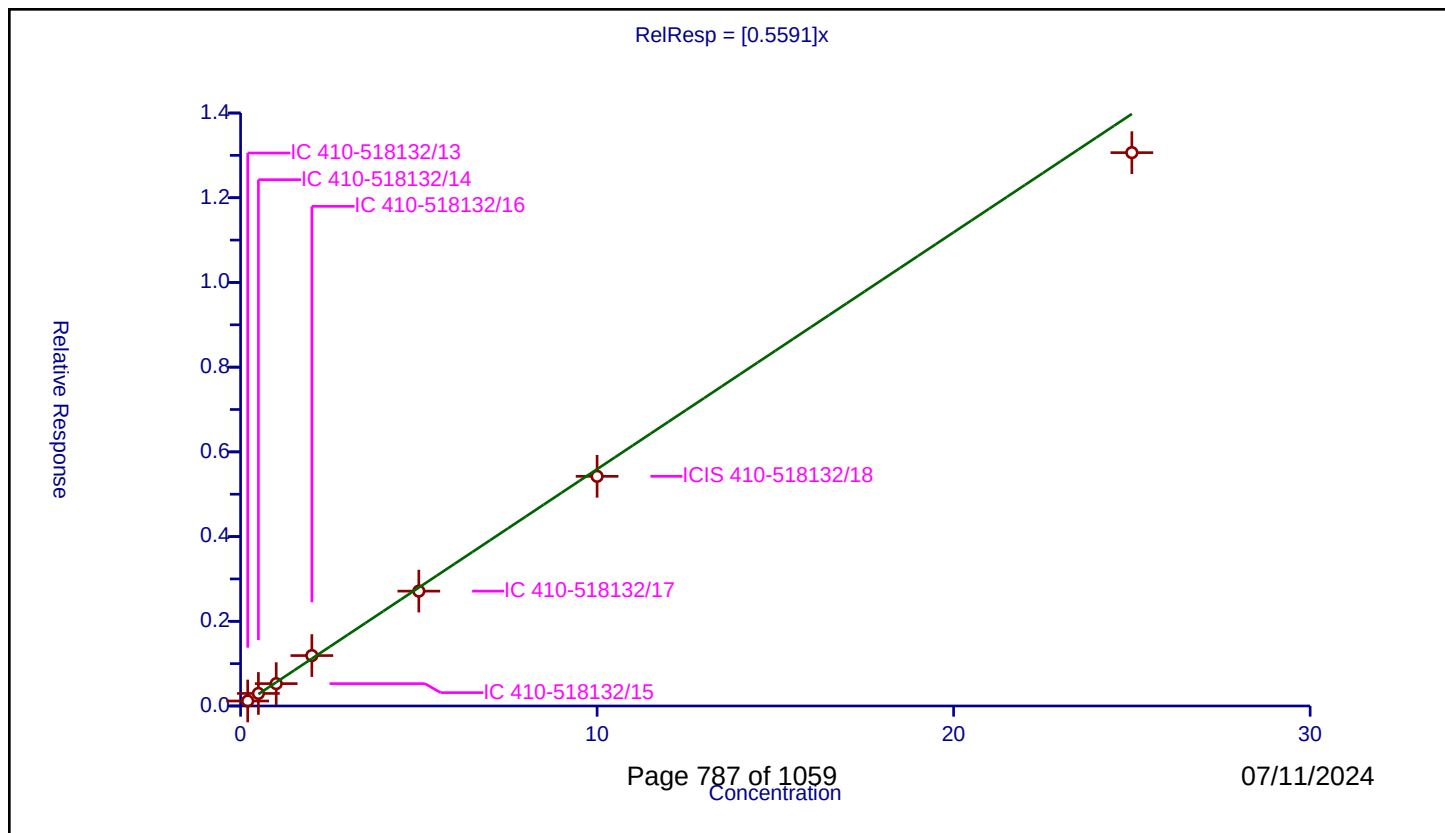
Curve Coefficients

Intercept: 0
Slope: 0.5591

Error Coefficients

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.118329	10.0	1913642.0	0.591647	Y
2	IC 410-518132/14	0.5	0.2961	10.0	1810978.0	0.592199	Y
3	IC 410-518132/15	1.0	0.527782	10.0	1938794.0	0.527782	Y
4	IC 410-518132/16	2.0	1.190084	10.0	1835862.0	0.595042	Y
5	IC 410-518132/17	5.0	2.712012	10.0	1923745.0	0.542402	Y
6	ICIS 410-518132/18	10.0	5.422339	10.0	1939200.0	0.542234	Y
7	IC 410-518132/19	25.0	13.06454	10.0	2159303.0	0.522582	Y



Calibration

/ Trichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

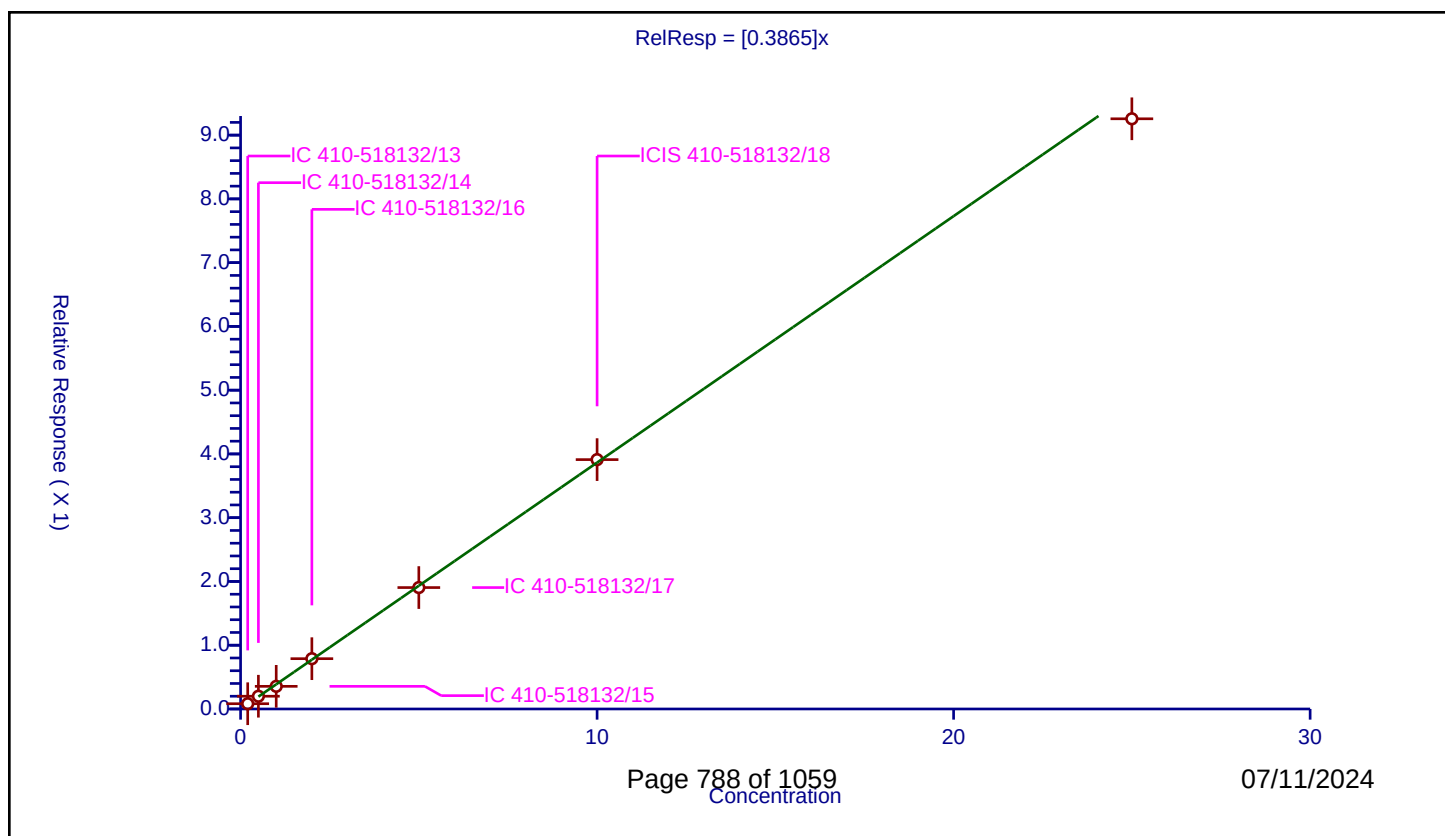
Curve Coefficients

Intercept: 0
Slope: 0.3865

Error Coefficients

Relative Standard Deviation: 5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.082549	10.0	1913642.0	0.412747	Y
2	IC 410-518132/14	0.5	0.200163	10.0	1810978.0	0.400325	Y
3	IC 410-518132/15	1.0	0.355422	10.0	1938794.0	0.355422	Y
4	IC 410-518132/16	2.0	0.788986	10.0	1835862.0	0.394493	Y
5	IC 410-518132/17	5.0	1.904582	10.0	1923745.0	0.380916	Y
6	ICIS 410-518132/18	10.0	3.911185	10.0	1939200.0	0.391119	Y
7	IC 410-518132/19	25.0	9.25638	10.0	2159303.0	0.370255	Y



Calibration

/ Ethyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

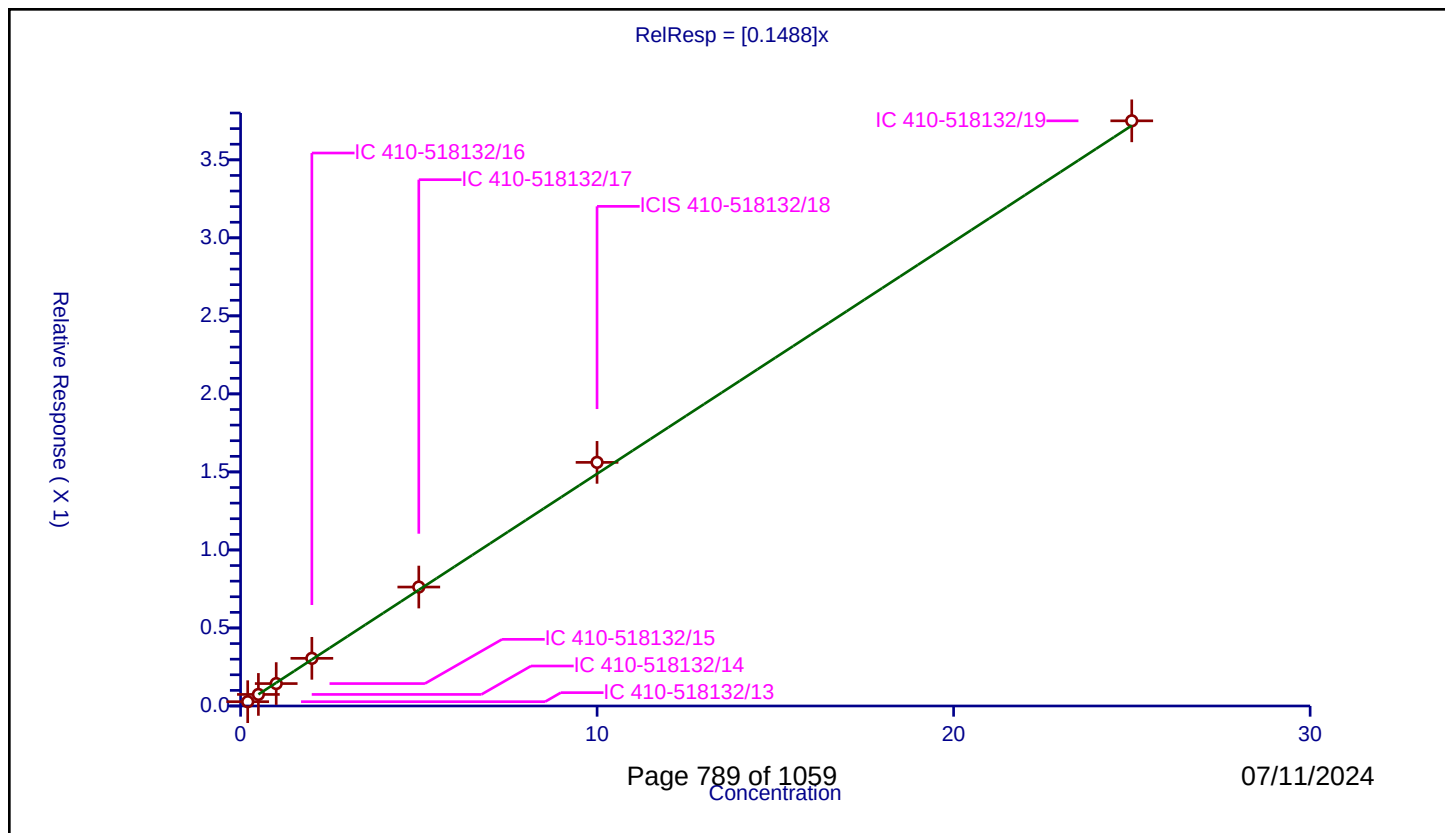
Curve Coefficients

Intercept: 0
Slope: 0.1488

Error Coefficients

Relative Standard Deviation: 4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.199979	0.027638	10.0	1913642.0	0.138206	Y
2	IC 410-518132/14	0.499948	0.074142	10.0	1810978.0	0.1483	Y
3	IC 410-518132/15	0.999897	0.143692	10.0	1938794.0	0.143707	Y
4	IC 410-518132/16	1.999794	0.305497	10.0	1835862.0	0.152764	Y
5	IC 410-518132/17	4.999484	0.762253	10.0	1923745.0	0.152466	Y
6	ICIS 410-518132/18	9.998968	1.5612	10.0	1939200.0	0.156136	Y
7	IC 410-518132/19	24.99742	3.749914	10.0	2159303.0	0.150012	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

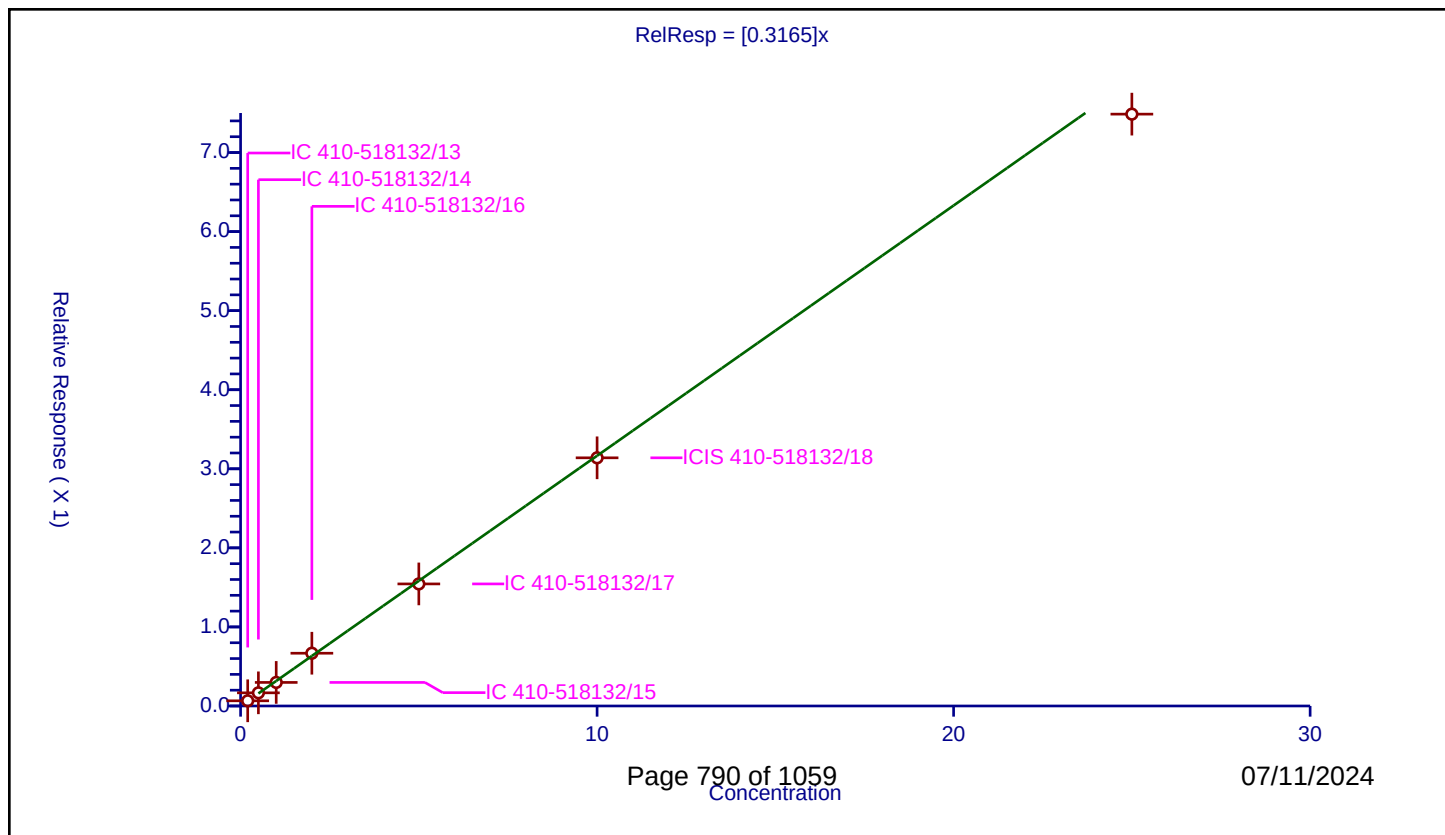
Curve Coefficients

Intercept: 0
Slope: 0.3165

Error Coefficients

Relative Standard Deviation: 4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.06577	10.0	1913642.0	0.328849	Y
2	IC 410-518132/14	0.5	0.166407	10.0	1810978.0	0.332815	Y
3	IC 410-518132/15	1.0	0.298082	10.0	1938794.0	0.298082	Y
4	IC 410-518132/16	2.0	0.667223	10.0	1835862.0	0.333612	Y
5	IC 410-518132/17	5.0	1.544004	10.0	1923745.0	0.308801	Y
6	ICIS 410-518132/18	10.0	3.138774	10.0	1939200.0	0.313877	Y
7	IC 410-518132/19	25.0	7.485916	10.0	2159303.0	0.299437	Y

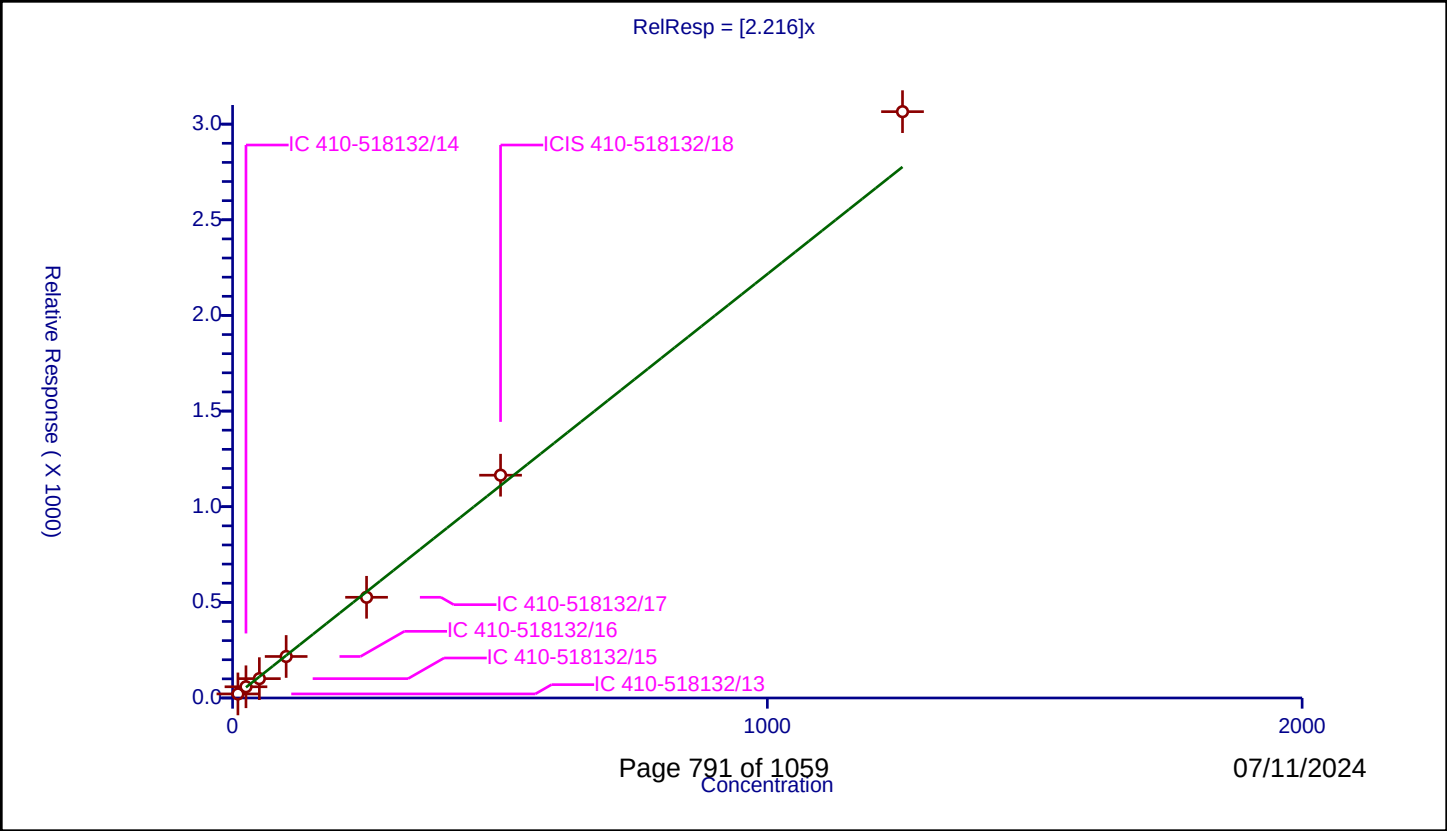


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.216

Error Coefficients	
Relative Standard Deviation:	
	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	10.021996	21.226314	50.0	88819.0	2.117973	Y
2	IC 410-518132/14	25.054991	58.572448	50.0	74267.0	2.337756	Y
3	IC 410-518132/15	50.109981	101.180881	50.0	85360.0	2.019176	Y
4	IC 410-518132/16	100.219963	217.051377	50.0	83656.0	2.16575	Y
5	IC 410-518132/17	250.549907	526.456137	50.0	92196.0	2.101203	Y
6	ICIS 410-518132/18	501.099813	1164.771429	50.0	89294.0	2.32443	Y
7	IC 410-518132/19	1252.749533	3065.227377	50.0	98185.0	2.4468	Y



Calibration

/ 1,1-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

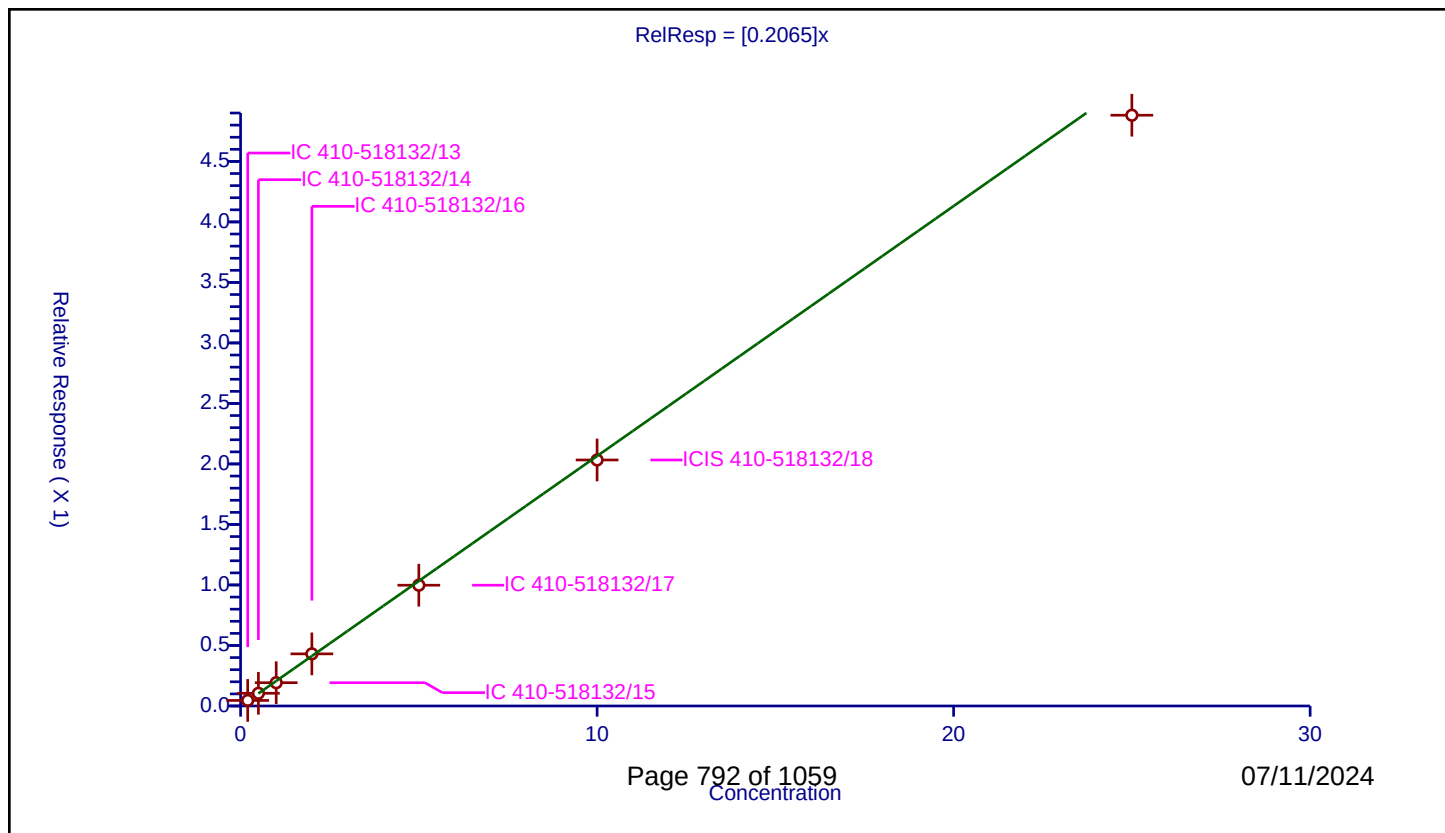
Curve Coefficients

Intercept: 0
Slope: 0.2065

Error Coefficients

Relative Standard Deviation: 6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.045944	10.0	1913642.0	0.229719	Y
2	IC 410-518132/14	0.5	0.105065	10.0	1810978.0	0.21013	Y
3	IC 410-518132/15	1.0	0.192424	10.0	1938794.0	0.192424	Y
4	IC 410-518132/16	2.0	0.430648	10.0	1835862.0	0.215324	Y
5	IC 410-518132/17	5.0	0.998173	10.0	1923745.0	0.199635	Y
6	ICIS 410-518132/18	10.0	2.032978	10.0	1939200.0	0.203298	Y
7	IC 410-518132/19	25.0	4.881705	10.0	2159303.0	0.195268	Y



Calibration

/ Acetone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

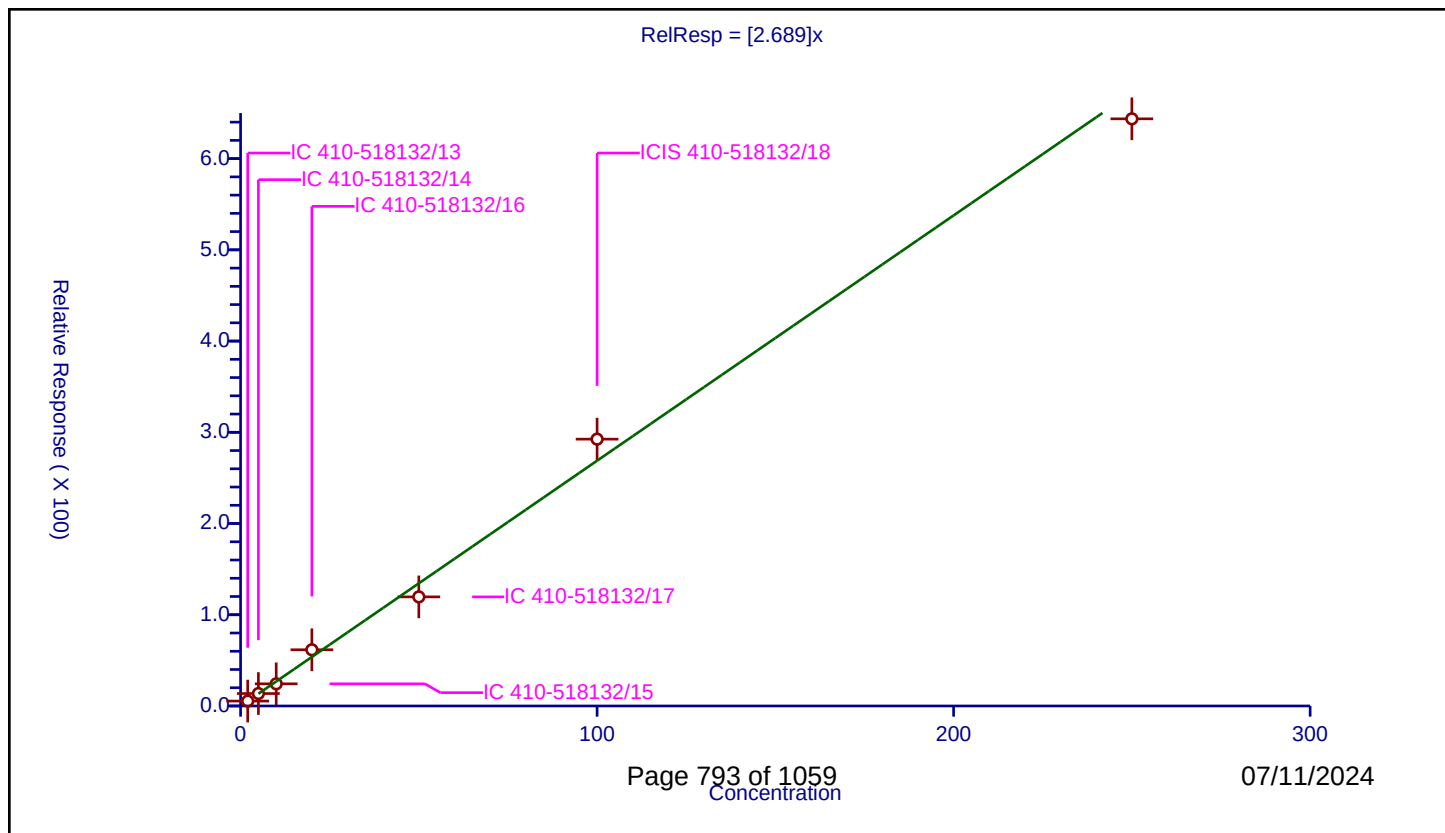
Curve Coefficients

Intercept: 0
 Slope: 2.689

Error Coefficients

Relative Standard Deviation: 9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	2.0	5.38342	50.0	88819.0	2.69171	Y
2	IC 410-518132/14	5.0	13.62449	50.0	74267.0	2.724898	Y
3	IC 410-518132/15	10.0	24.315253	50.0	85360.0	2.431525	Y
4	IC 410-518132/16	20.0	61.634551	50.0	83656.0	3.081728	Y
5	IC 410-518132/17	50.0	119.584906	50.0	92196.0	2.391698	Y
6	ICIS 410-518132/18	100.0	292.497256	50.0	89294.0	2.924973	Y
7	IC 410-518132/19	250.0	643.627845	50.0	98185.0	2.574511	Y



Calibration

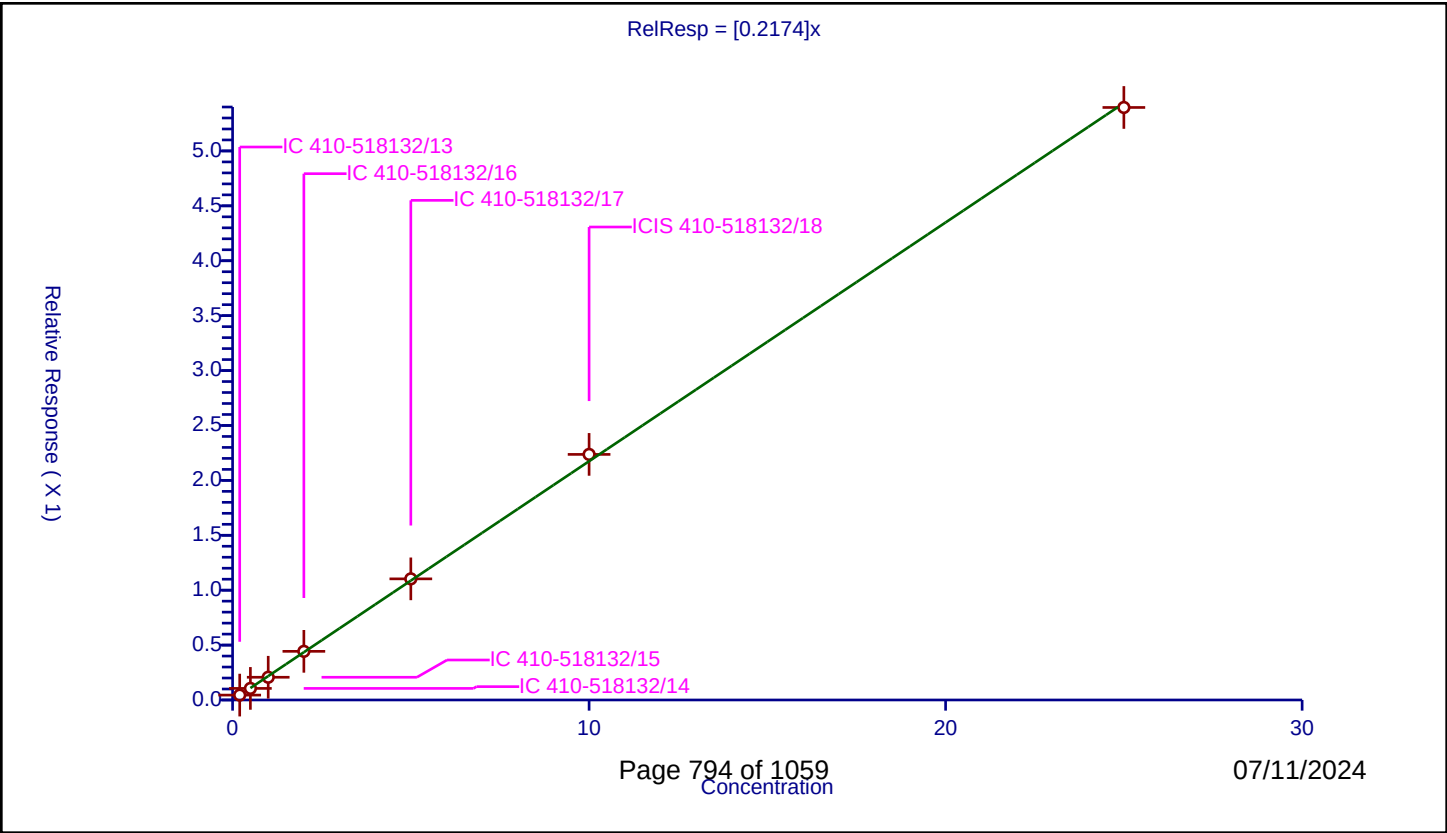
/ 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2174
Error Coefficients	

Relative Standard Deviation: 2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.044496	10.0	1913642.0	0.222482	Y
2	IC 410-518132/14	0.5	0.105479	10.0	1810978.0	0.210958	Y
3	IC 410-518132/15	1.0	0.206969	10.0	1938794.0	0.206969	Y
4	IC 410-518132/16	2.0	0.442964	10.0	1835862.0	0.221482	Y
5	IC 410-518132/17	5.0	1.103228	10.0	1923745.0	0.220646	Y
6	ICIS 410-518132/18	10.0	2.236525	10.0	1939200.0	0.223653	Y
7	IC 410-518132/19	25.0	5.395852	10.0	2159303.0	0.215834	Y



Calibration

/ Iodomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

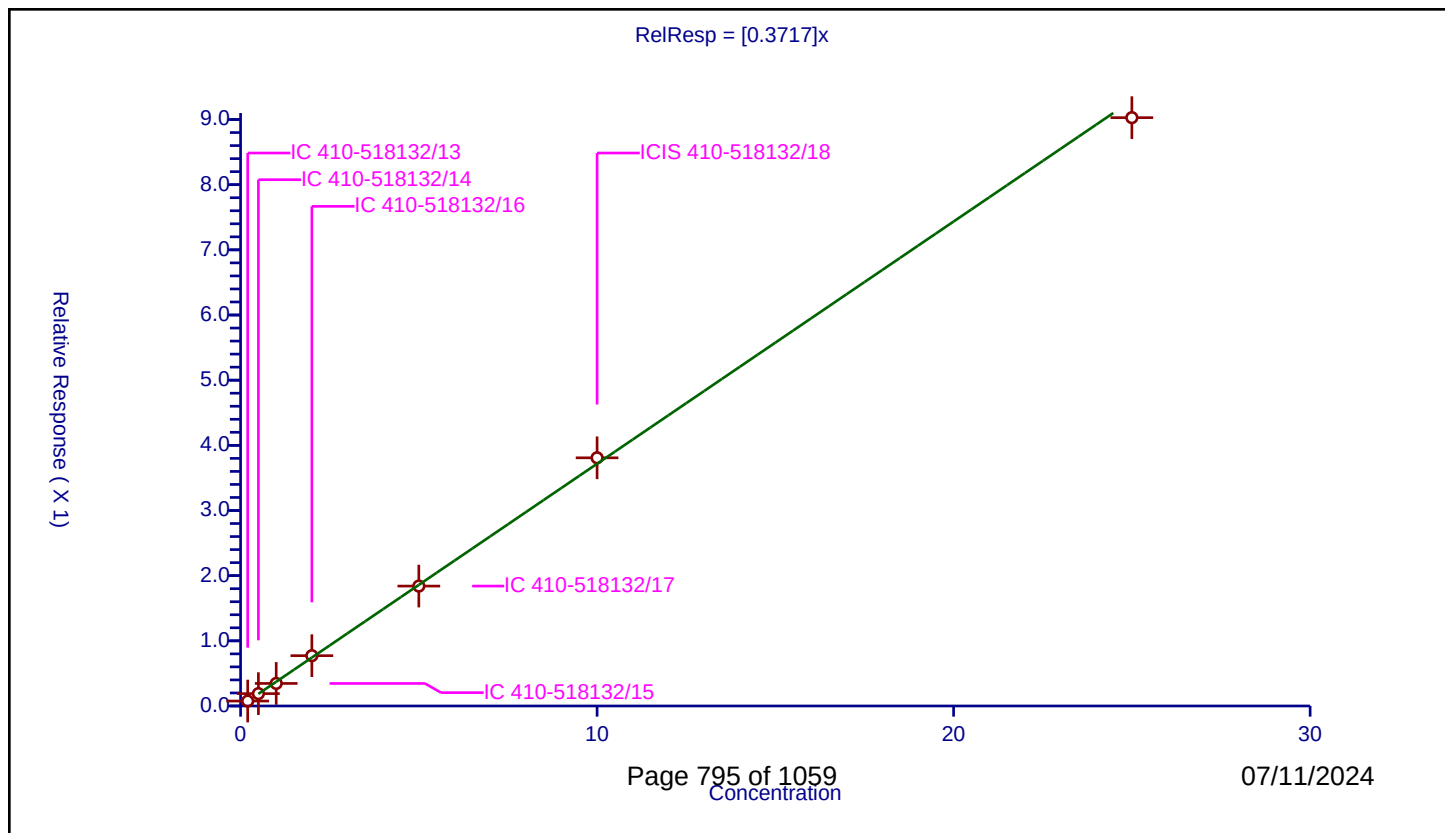
Curve Coefficients

Intercept: 0
Slope: 0.3717

Error Coefficients

Relative Standard Deviation: 3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.076075	10.0	1913642.0	0.380374	Y
2	IC 410-518132/14	0.5	0.18982	10.0	1810978.0	0.37964	Y
3	IC 410-518132/15	1.0	0.346169	10.0	1938794.0	0.346169	Y
4	IC 410-518132/16	2.0	0.771948	10.0	1835862.0	0.385974	Y
5	IC 410-518132/17	5.0	1.840046	10.0	1923745.0	0.368009	Y
6	ICIS 410-518132/18	10.0	3.808591	10.0	1939200.0	0.380859	Y
7	IC 410-518132/19	25.0	9.028941	10.0	2159303.0	0.361158	Y



Calibration

/ Ethyl bromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

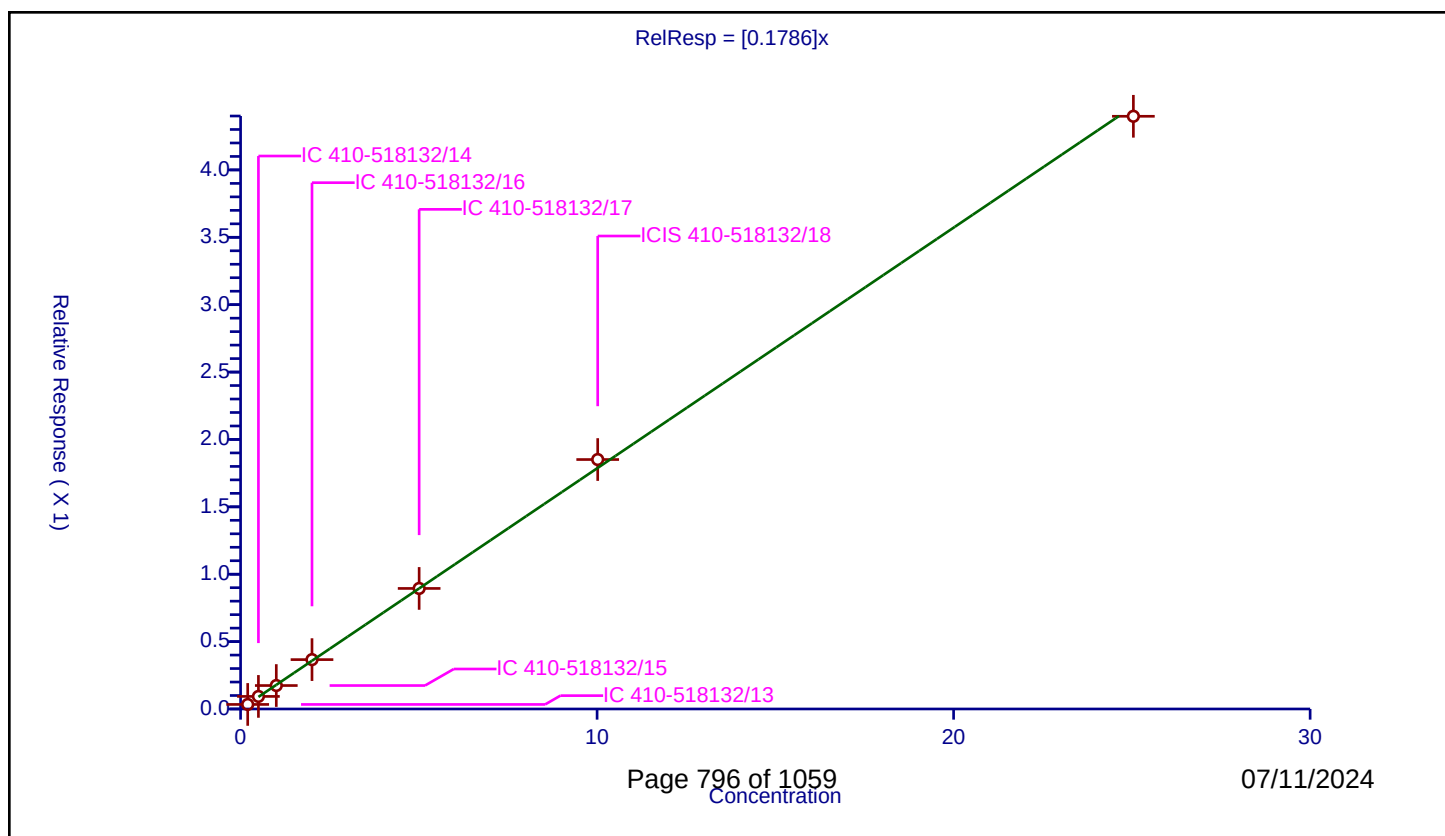
Curve Coefficients

Intercept: 0
Slope: 0.1786

Error Coefficients

Relative Standard Deviation: 3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.20034	0.033716	10.0	1913642.0	0.168293	Y
2	IC 410-518132/14	0.50085	0.093198	10.0	1810978.0	0.18608	Y
3	IC 410-518132/15	1.0017	0.174124	10.0	1938794.0	0.173828	Y
4	IC 410-518132/16	2.0034	0.366335	10.0	1835862.0	0.182857	Y
5	IC 410-518132/17	5.0085	0.894474	10.0	1923745.0	0.178591	Y
6	ICIS 410-518132/18	10.017	1.85098	10.0	1939200.0	0.184784	Y
7	IC 410-518132/19	25.0425	4.398044	10.0	2159303.0	0.175623	Y



Calibration

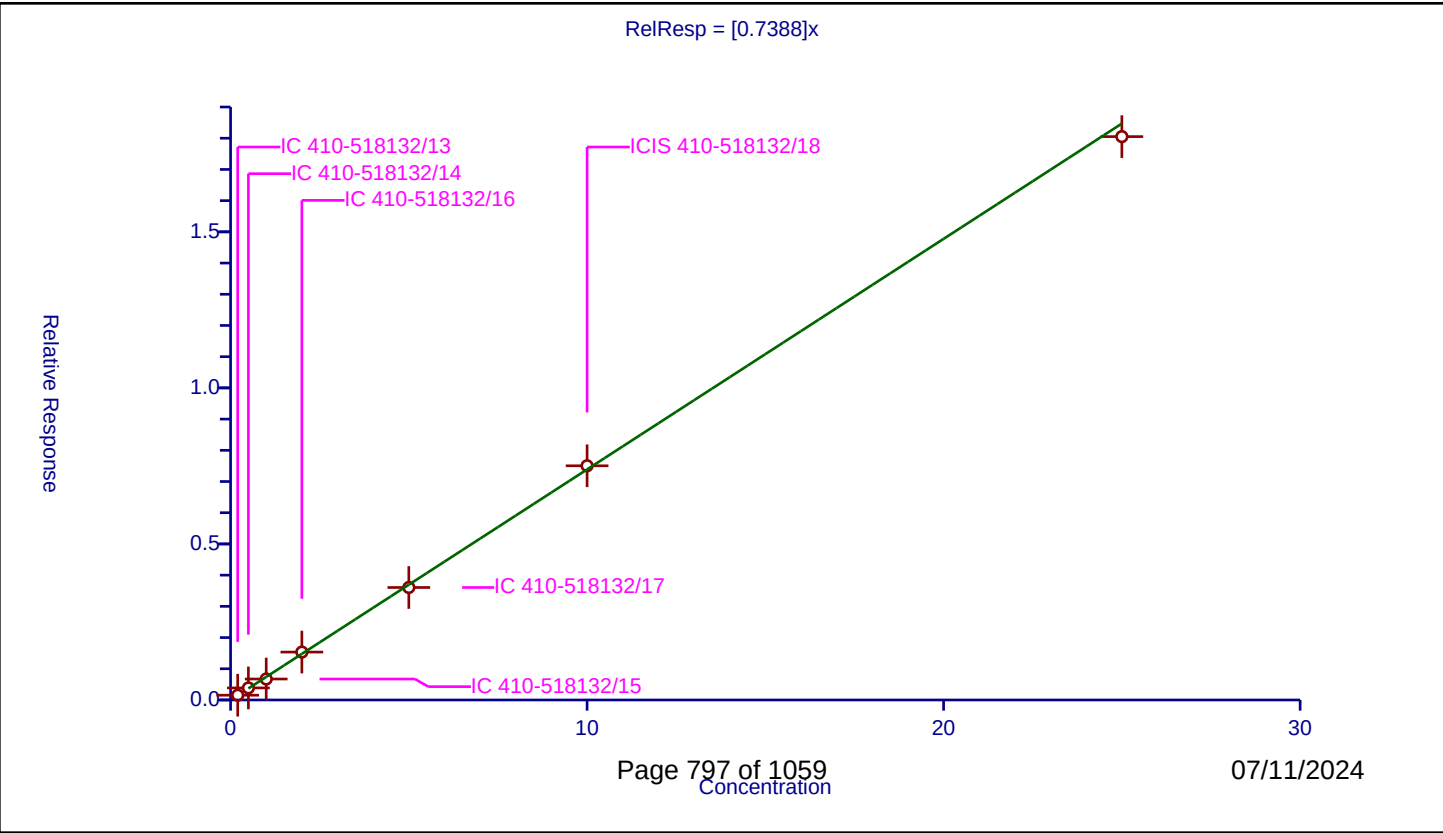
/ Carbon disulfide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7388
Error Coefficients	

Relative Standard Deviation: 4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.153106	10.0	1913642.0	0.76553	Y
2	IC 410-518132/14	0.5	0.386515	10.0	1810978.0	0.77303	Y
3	IC 410-518132/15	1.0	0.672016	10.0	1938794.0	0.672016	Y
4	IC 410-518132/16	2.0	1.534898	10.0	1835862.0	0.767449	Y
5	IC 410-518132/17	5.0	3.604459	10.0	1923745.0	0.720892	Y
6	ICIS 410-518132/18	10.0	7.504383	10.0	1939200.0	0.750438	Y
7	IC 410-518132/19	25.0	18.051635	10.0	2159303.0	0.722065	Y



Calibration

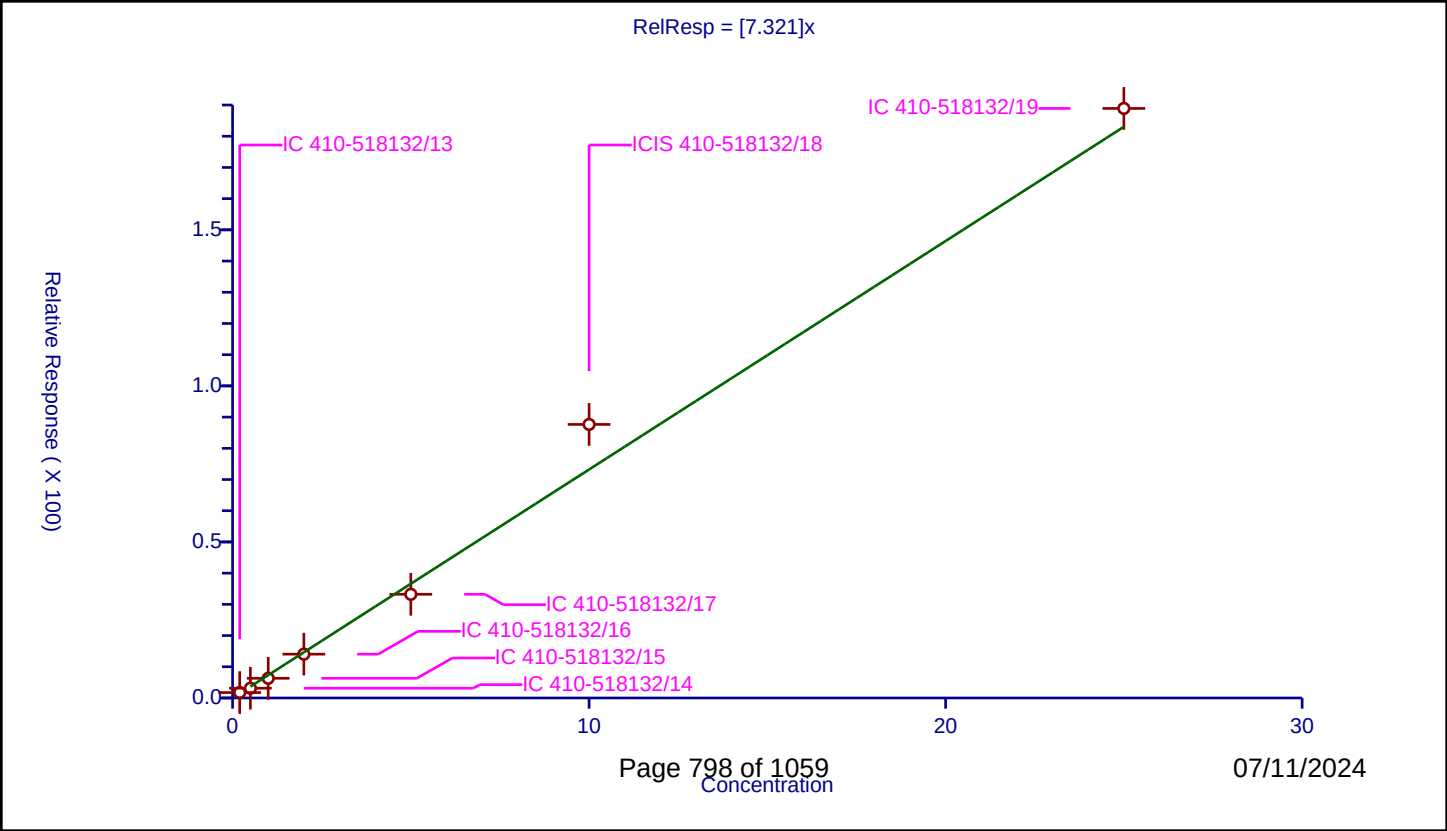
/ Methyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	7.321
Error Coefficients	

Relative Standard Deviation: 14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	1.737241	50.0	88819.0	8.686205	Y
2	IC 410-518132/14	0.5	3.127903	50.0	74267.0	6.255807	Y
3	IC 410-518132/15	1.0	6.313847	50.0	85360.0	6.313847	Y
4	IC 410-518132/16	2.0	14.045018	50.0	83656.0	7.022509	Y
5	IC 410-518132/17	5.0	33.224869	50.0	92196.0	6.644974	Y
6	ICIS 410-518132/18	10.0	87.657065	50.0	89294.0	8.765707	Y
7	IC 410-518132/19	25.0	188.908184	50.0	98185.0	7.556327	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

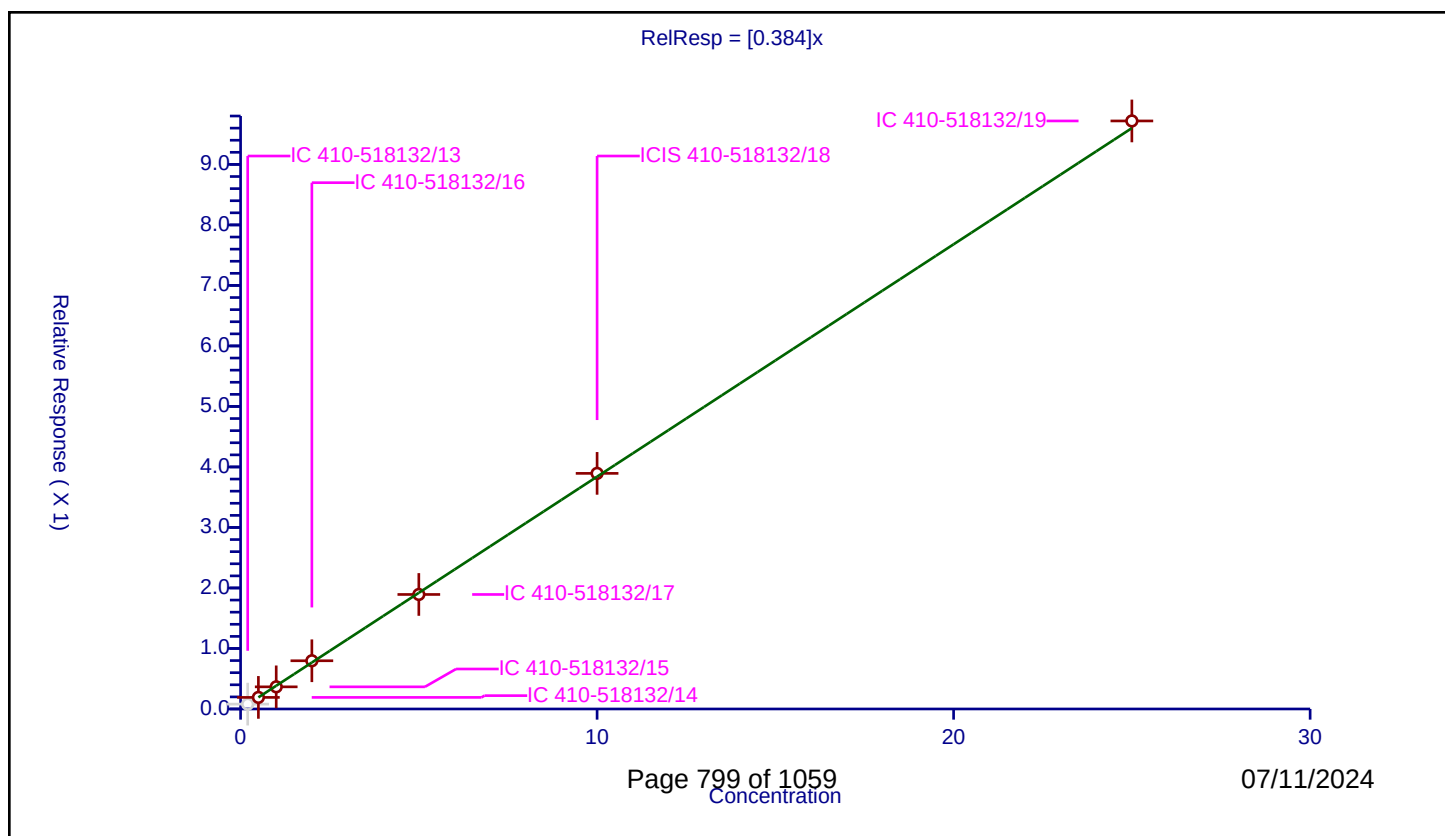
Curve Coefficients

Intercept: 0
Slope: 0.384

Error Coefficients

Relative Standard Deviation: 2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.080417	10.0	1913642.0	0.402087	N
2	IC 410-518132/14	0.5	0.191366	10.0	1810978.0	0.382732	Y
3	IC 410-518132/15	1.0	0.366119	10.0	1938794.0	0.366119	Y
4	IC 410-518132/16	2.0	0.796961	10.0	1835862.0	0.39848	Y
5	IC 410-518132/17	5.0	1.892455	10.0	1923745.0	0.378491	Y
6	ICIS 410-518132/18	10.0	3.894023	10.0	1939200.0	0.389402	Y
7	IC 410-518132/19	25.0	9.71834	10.0	2159303.0	0.388734	Y



Calibration

/ Methylene Chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

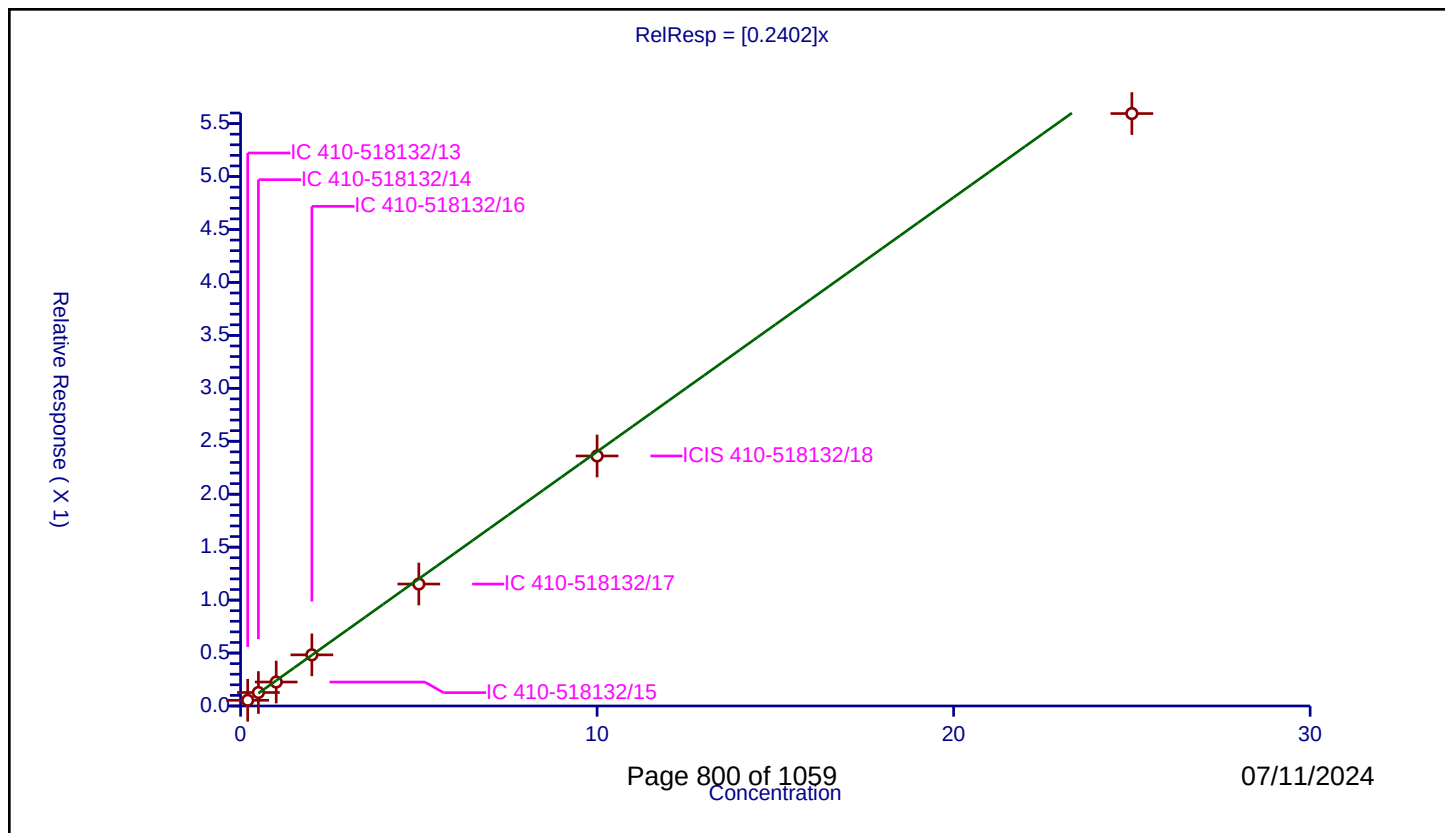
Curve Coefficients

Intercept: 0
Slope: 0.2402

Error Coefficients

Relative Standard Deviation: 6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.053714	10.0	1913642.0	0.268572	Y
2	IC 410-518132/14	0.5	0.127219	10.0	1810978.0	0.254437	Y
3	IC 410-518132/15	1.0	0.226378	10.0	1938794.0	0.226378	Y
4	IC 410-518132/16	2.0	0.482798	10.0	1835862.0	0.241399	Y
5	IC 410-518132/17	5.0	1.151816	10.0	1923745.0	0.230363	Y
6	ICIS 410-518132/18	10.0	2.3612	10.0	1939200.0	0.23612	Y
7	IC 410-518132/19	25.0	5.595065	10.0	2159303.0	0.223803	Y



Calibration

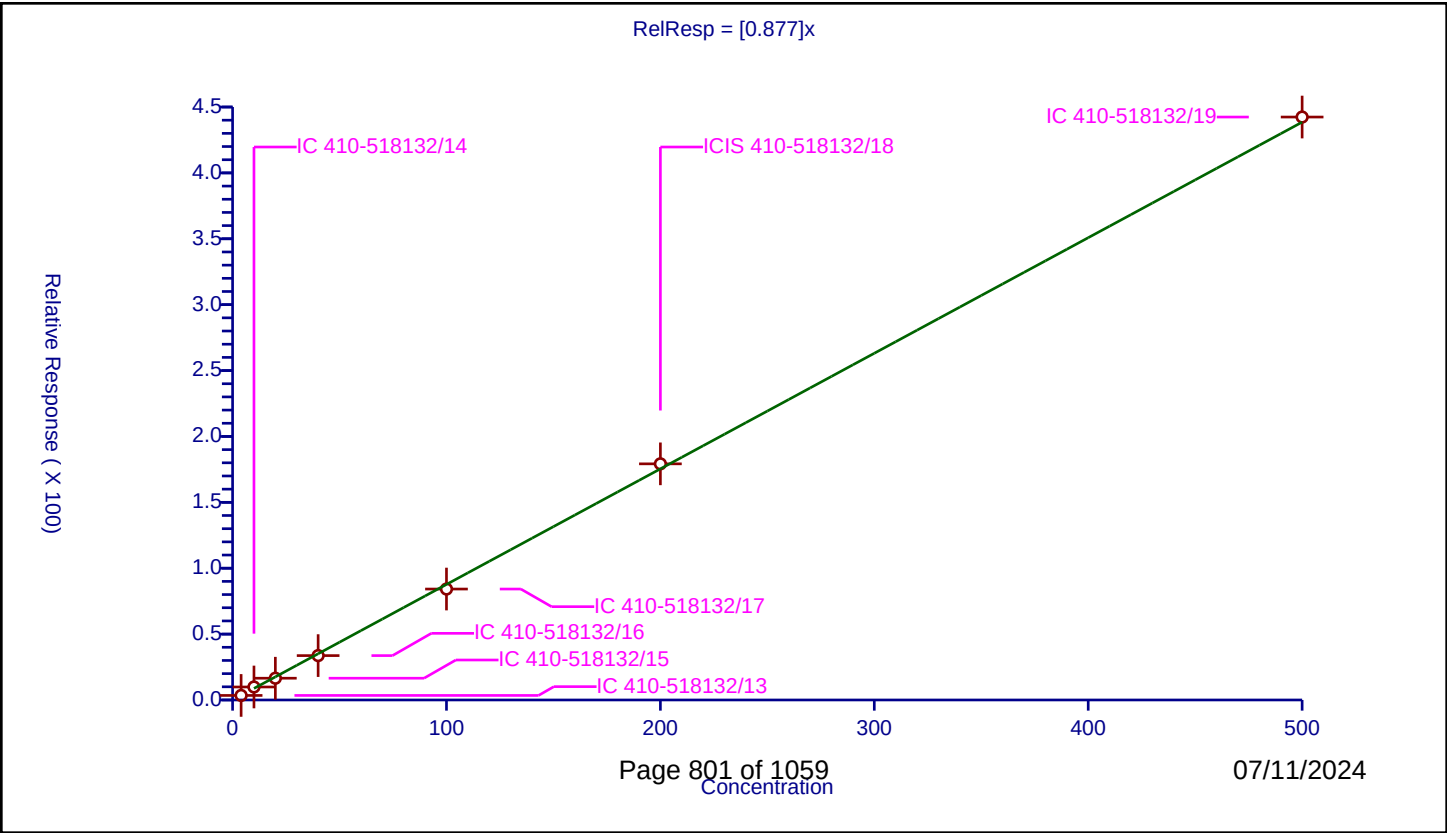
/ 2-Methyl-2-propanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.877
Error Coefficients	

Relative Standard Deviation: 6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	4.0	3.44352	50.0	88819.0	0.86088	Y
2	IC 410-518132/14	10.0	9.872487	50.0	74267.0	0.987249	Y
3	IC 410-518132/15	20.0	16.525305	50.0	85360.0	0.826265	Y
4	IC 410-518132/16	40.0	33.68019	50.0	83656.0	0.842005	Y
5	IC 410-518132/17	100.0	84.197254	50.0	92196.0	0.841973	Y
6	ICIS 410-518132/18	200.0	179.216969	50.0	89294.0	0.896085	Y
7	IC 410-518132/19	500.0	442.384784	50.0	98185.0	0.88477	Y

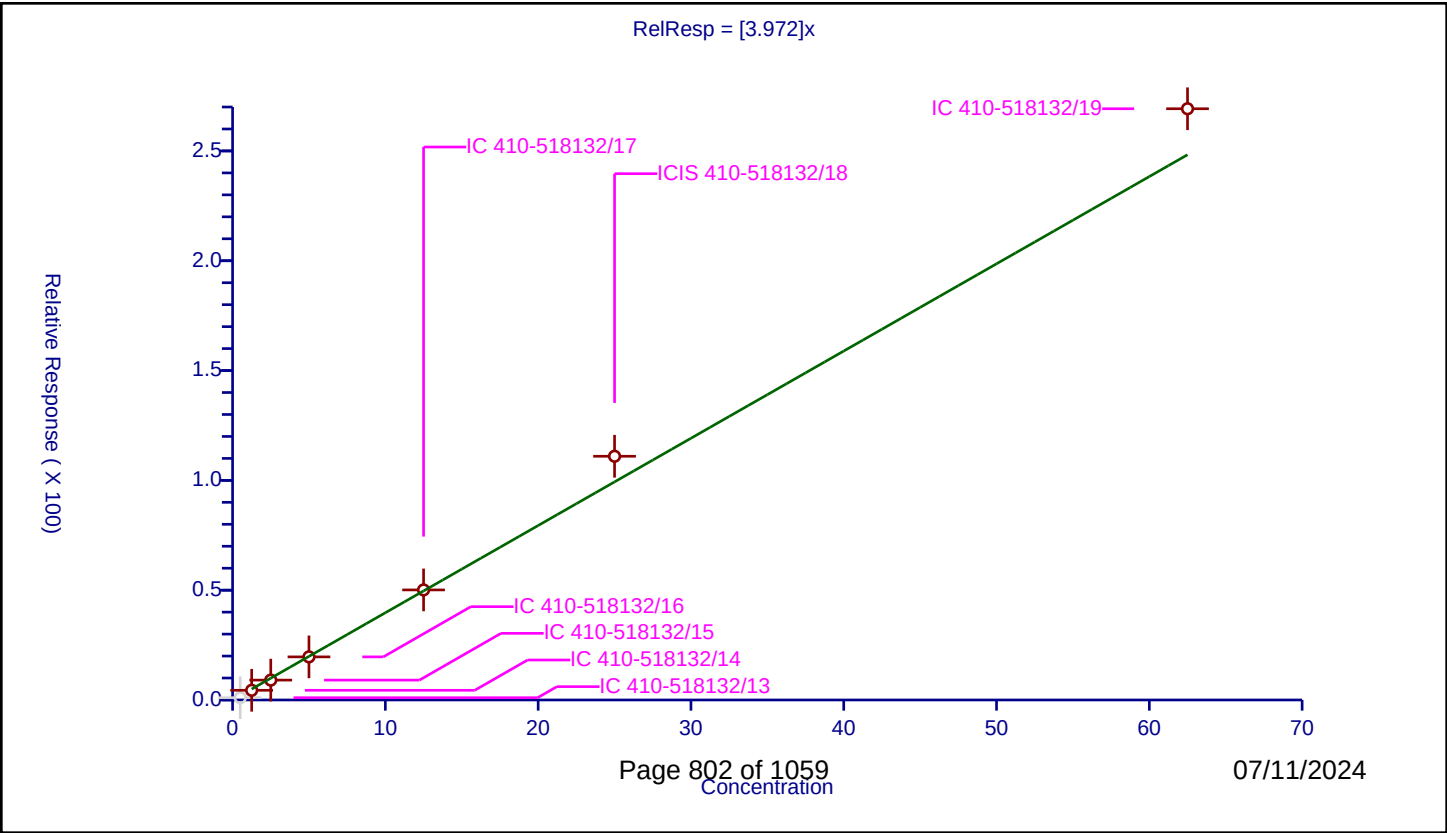


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.972
Error Coefficients	

Relative Standard Deviation: 9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.5	1.043696	50.0	88819.0	2.087391	N
2	IC 410-518132/14	1.25	4.412458	50.0	74267.0	3.529966	Y
3	IC 410-518132/15	2.5	9.053421	50.0	85360.0	3.621368	Y
4	IC 410-518132/16	5.0	19.630391	50.0	83656.0	3.926078	Y
5	IC 410-518132/17	12.5	50.12148	50.0	92196.0	4.009718	Y
6	ICIS 410-518132/18	25.0	110.967702	50.0	89294.0	4.438708	Y
7	IC 410-518132/19	62.5	269.214748	50.0	98185.0	4.307436	Y



Calibration

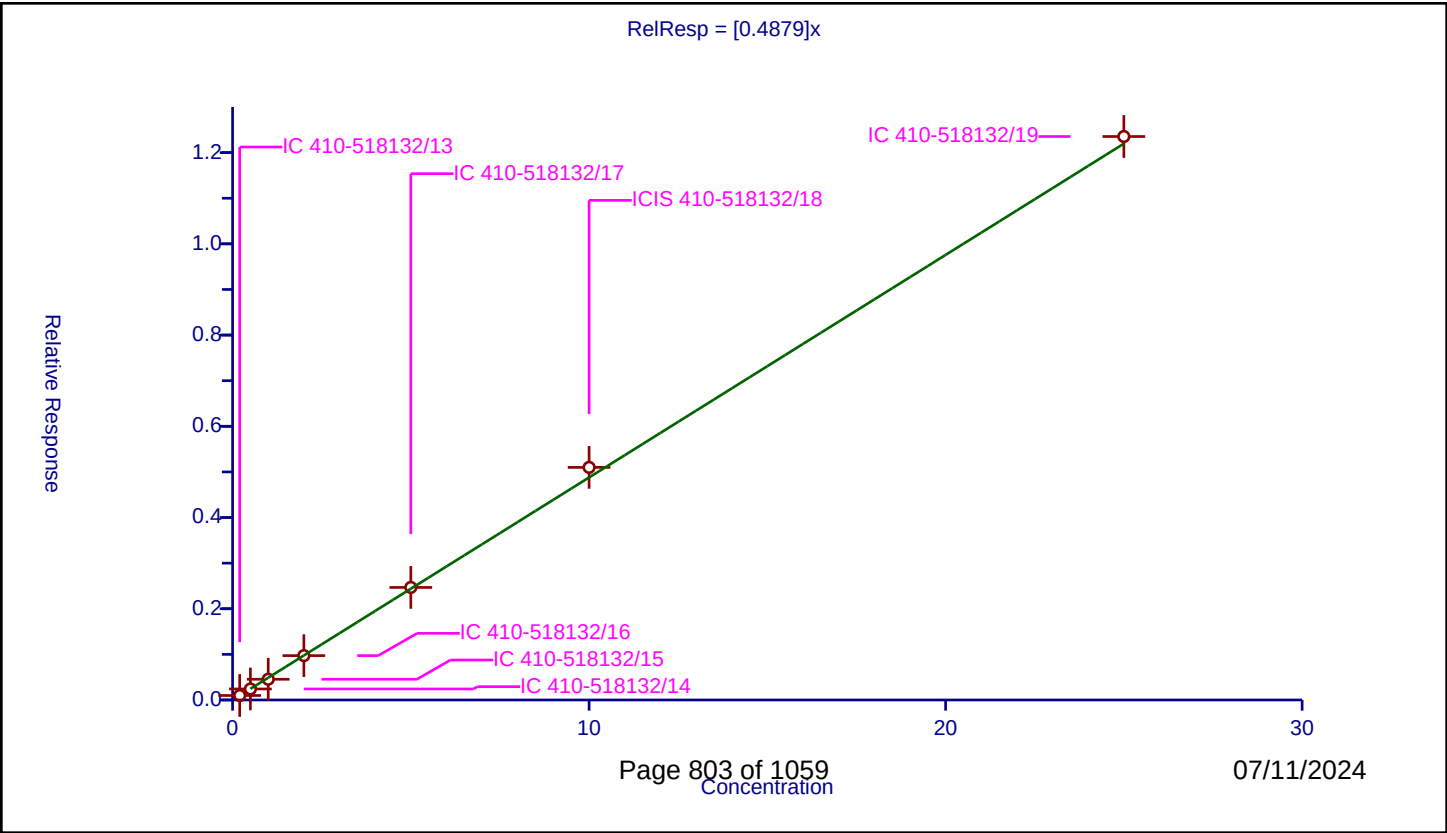
/ Methyl tert-butyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4879
Error Coefficients	

Relative Standard Deviation: 3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.098535	10.0	1913642.0	0.492673	Y
2	IC 410-518132/14	0.5	0.241809	10.0	1810978.0	0.483617	Y
3	IC 410-518132/15	1.0	0.454809	10.0	1938794.0	0.454809	Y
4	IC 410-518132/16	2.0	0.972807	10.0	1835862.0	0.486404	Y
5	IC 410-518132/17	5.0	2.467541	10.0	1923745.0	0.493508	Y
6	ICIS 410-518132/18	10.0	5.099593	10.0	1939200.0	0.509959	Y
7	IC 410-518132/19	25.0	12.353255	10.0	2159303.0	0.49413	Y



Calibration

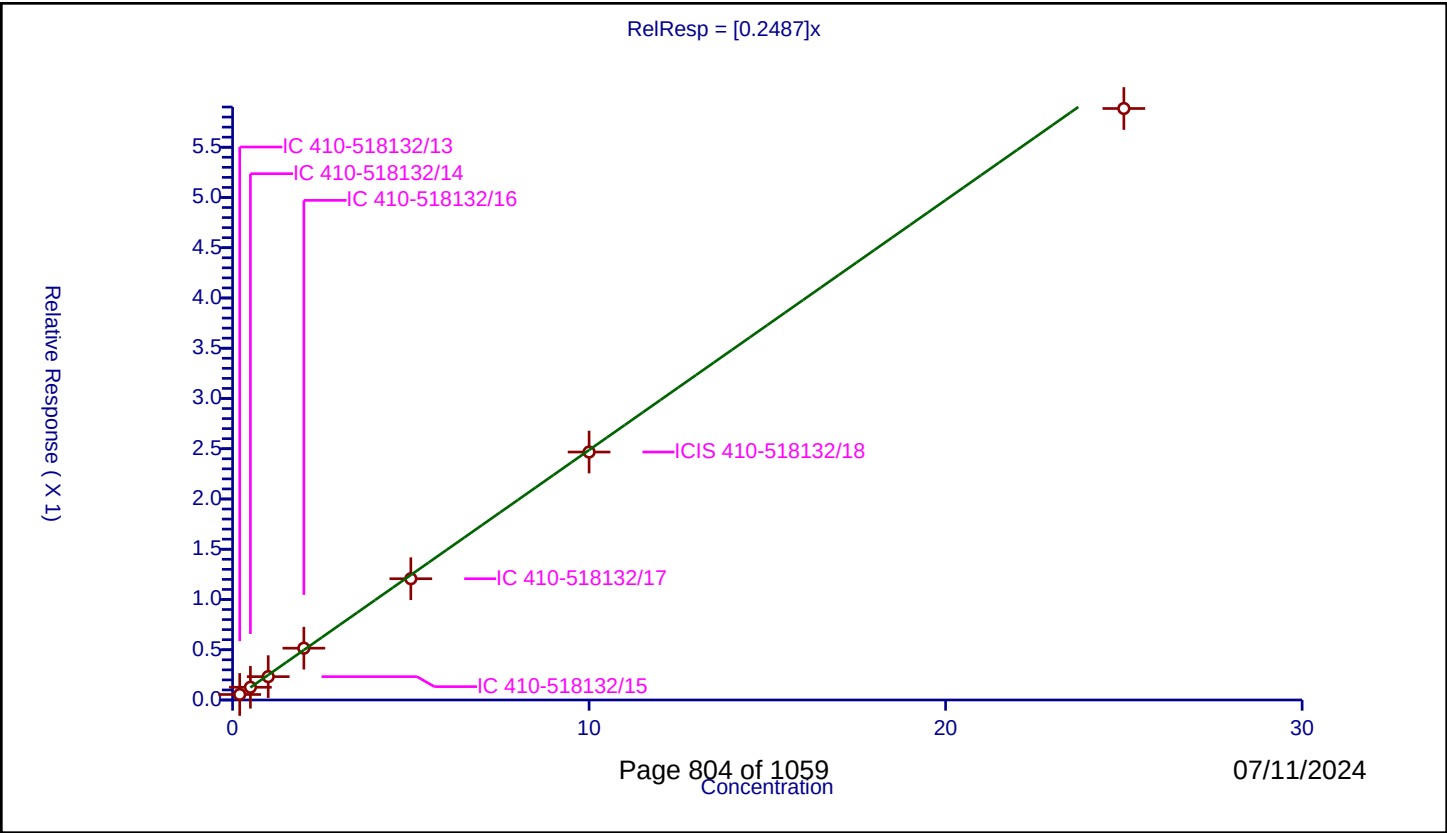
/ trans-1,2-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2487
Error Coefficients	

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.054822	10.0	1913642.0	0.274111	Y
2	IC 410-518132/14	0.5	0.126694	10.0	1810978.0	0.253388	Y
3	IC 410-518132/15	1.0	0.232263	10.0	1938794.0	0.232263	Y
4	IC 410-518132/16	2.0	0.515529	10.0	1835862.0	0.257764	Y
5	IC 410-518132/17	5.0	1.206574	10.0	1923745.0	0.241315	Y
6	ICIS 410-518132/18	10.0	2.467198	10.0	1939200.0	0.24672	Y
7	IC 410-518132/19	25.0	5.885181	10.0	2159303.0	0.235407	Y



Calibration

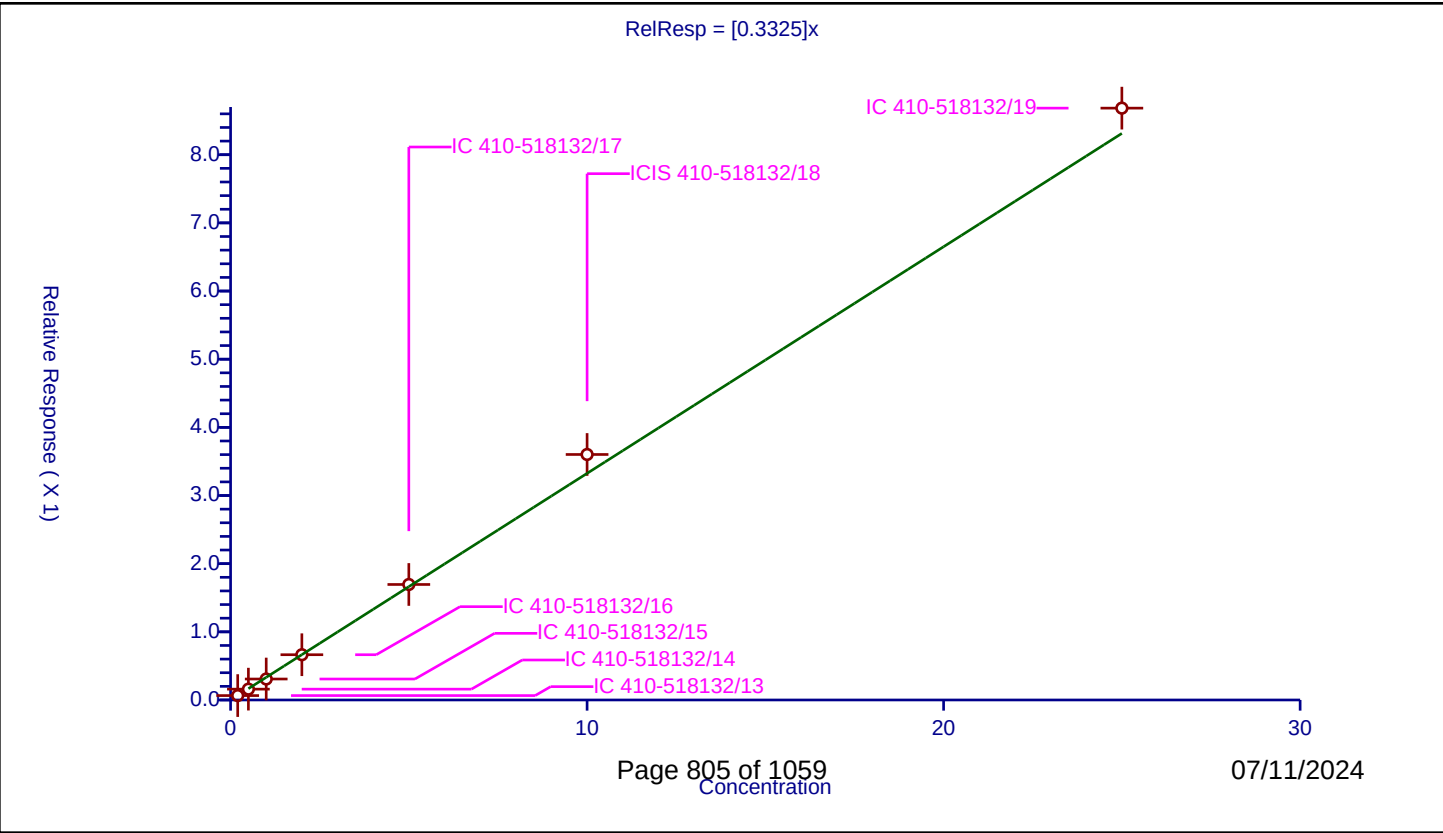
/ Hexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3325
Error Coefficients	

Relative Standard Deviation: 5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.064589	10.0	1913642.0	0.322944	Y
2	IC 410-518132/14	0.5	0.159179	10.0	1810978.0	0.318358	Y
3	IC 410-518132/15	1.0	0.307789	10.0	1938794.0	0.307789	Y
4	IC 410-518132/16	2.0	0.664048	10.0	1835862.0	0.332024	Y
5	IC 410-518132/17	5.0	1.694528	10.0	1923745.0	0.338906	Y
6	ICIS 410-518132/18	10.0	3.601913	10.0	1939200.0	0.360191	Y
7	IC 410-518132/19	25.0	8.683696	10.0	2159303.0	0.347348	Y



Calibration

/ 1,1-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

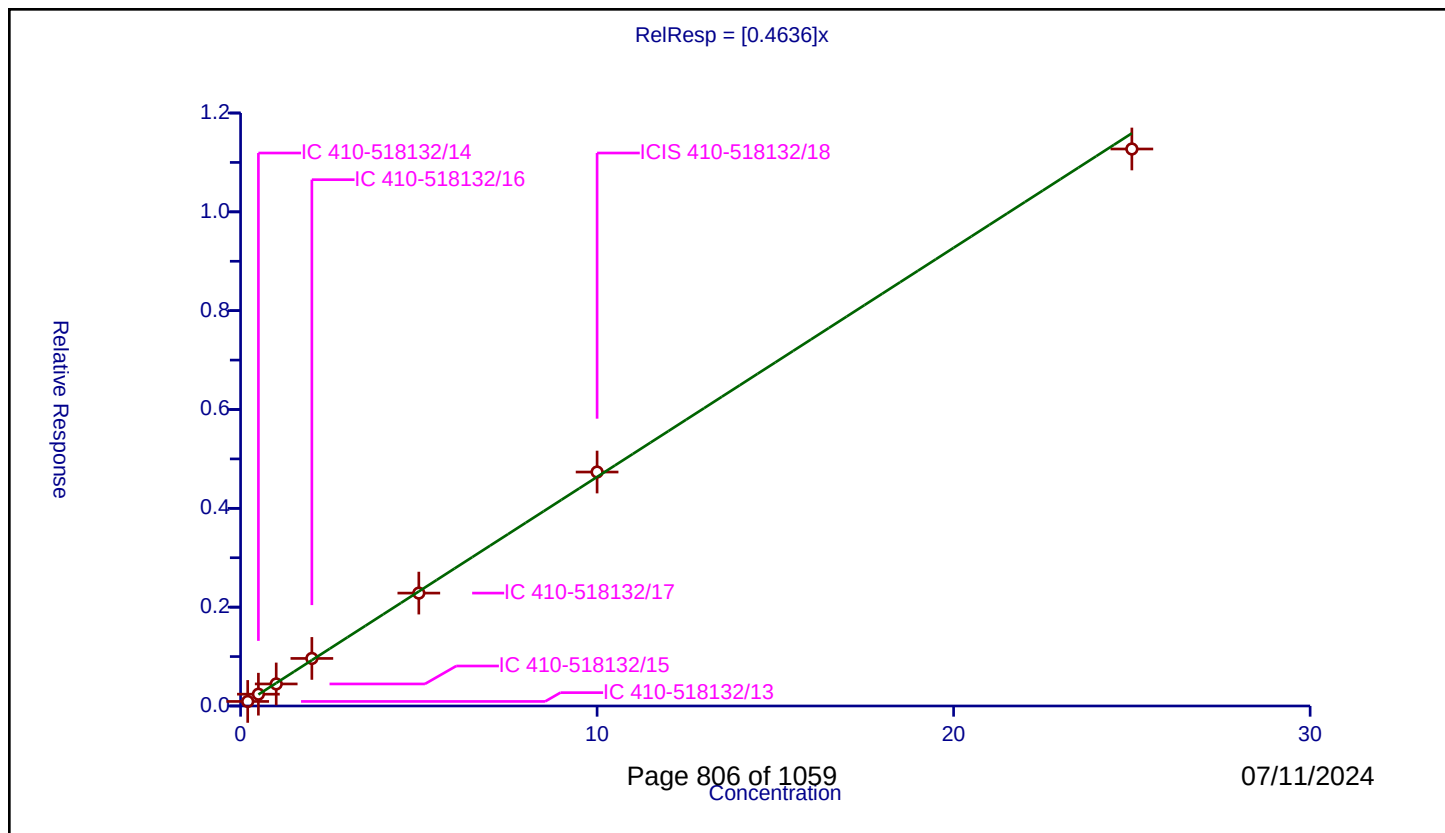
Curve Coefficients

Intercept: 0
Slope: 0.4636

Error Coefficients

Relative Standard Deviation: 2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.091888	10.0	1913642.0	0.459438	Y
2	IC 410-518132/14	0.5	0.238595	10.0	1810978.0	0.47719	Y
3	IC 410-518132/15	1.0	0.446123	10.0	1938794.0	0.446123	Y
4	IC 410-518132/16	2.0	0.96224	10.0	1835862.0	0.48112	Y
5	IC 410-518132/17	5.0	2.284518	10.0	1923745.0	0.456904	Y
6	ICIS 410-518132/18	10.0	4.734757	10.0	1939200.0	0.473476	Y
7	IC 410-518132/19	25.0	11.271869	10.0	2159303.0	0.450875	Y



Calibration

/ Isopropyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

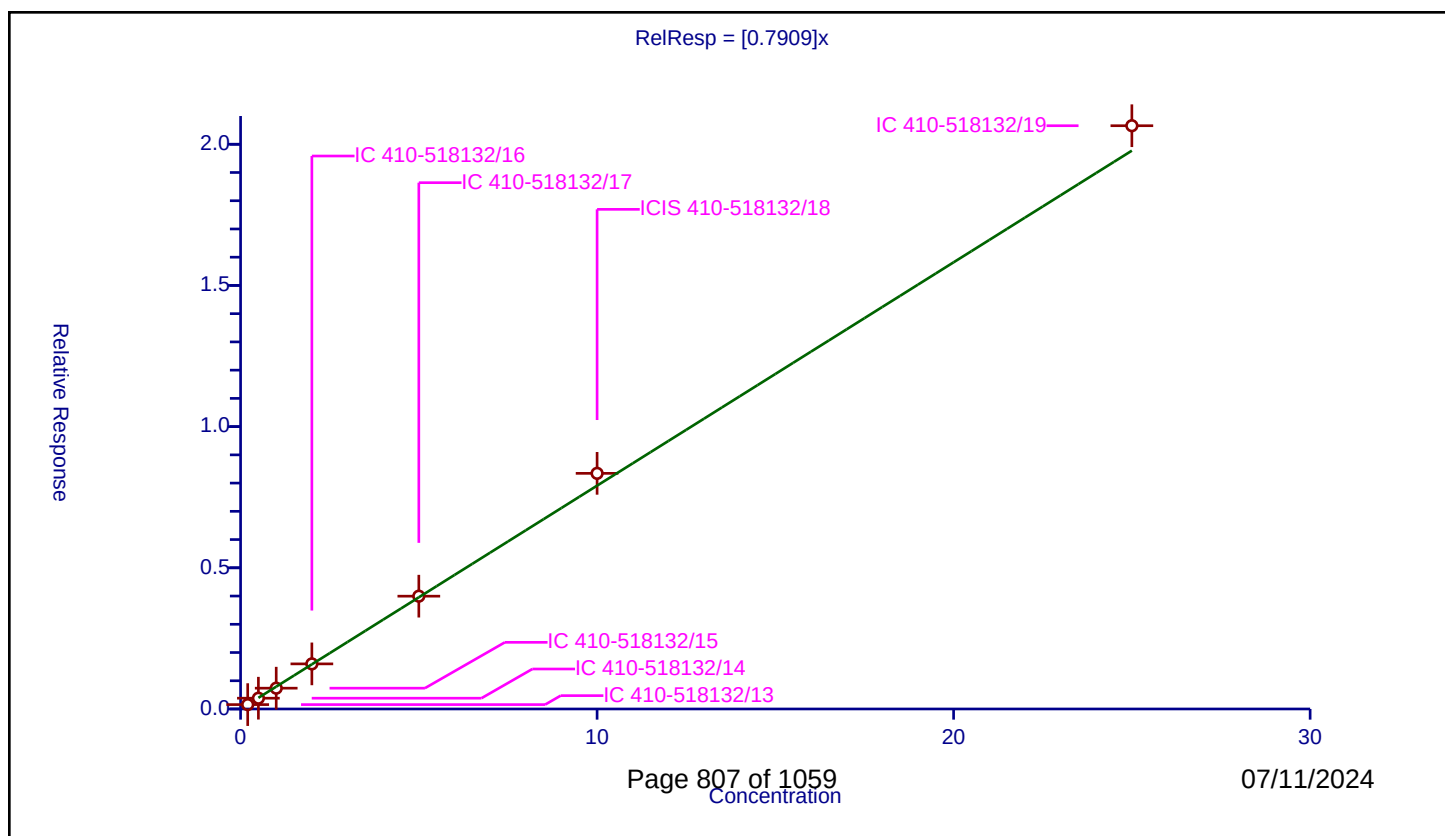
Curve Coefficients

Intercept: 0
 Slope: 0.7909

Error Coefficients

Relative Standard Deviation: 4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.155442	10.0	1913642.0	0.777209	Y
2	IC 410-518132/14	0.5	0.382108	10.0	1810978.0	0.764217	Y
3	IC 410-518132/15	1.0	0.736649	10.0	1938794.0	0.736649	Y
4	IC 410-518132/16	2.0	1.597228	10.0	1835862.0	0.798614	Y
5	IC 410-518132/17	5.0	3.995426	10.0	1923745.0	0.799085	Y
6	ICIS 410-518132/18	10.0	8.34539	10.0	1939200.0	0.834539	Y
7	IC 410-518132/19	25.0	20.656235	10.0	2159303.0	0.826249	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

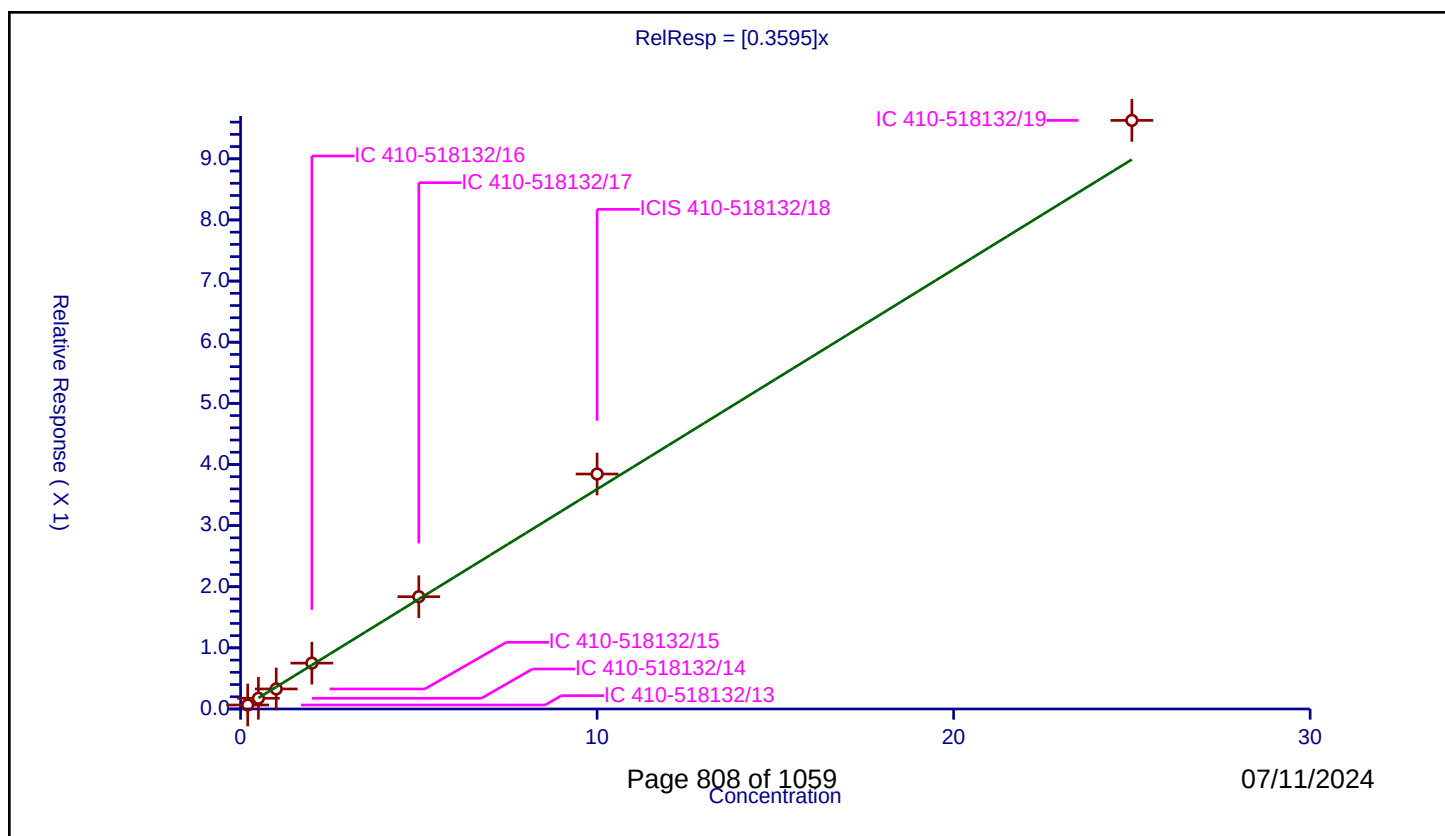
Curve Coefficients

Intercept: 0
Slope: 0.3595

Error Coefficients

Relative Standard Deviation: 6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.065388	10.0	1913642.0	0.326942	Y
2	IC 410-518132/14	0.5	0.175032	10.0	1810978.0	0.350065	Y
3	IC 410-518132/15	1.0	0.327838	10.0	1938794.0	0.327838	Y
4	IC 410-518132/16	2.0	0.750263	10.0	1835862.0	0.375132	Y
5	IC 410-518132/17	5.0	1.836579	10.0	1923745.0	0.367316	Y
6	ICIS 410-518132/18	10.0	3.843956	10.0	1939200.0	0.384396	Y
7	IC 410-518132/19	25.0	9.628283	10.0	2159303.0	0.385131	Y



Calibration

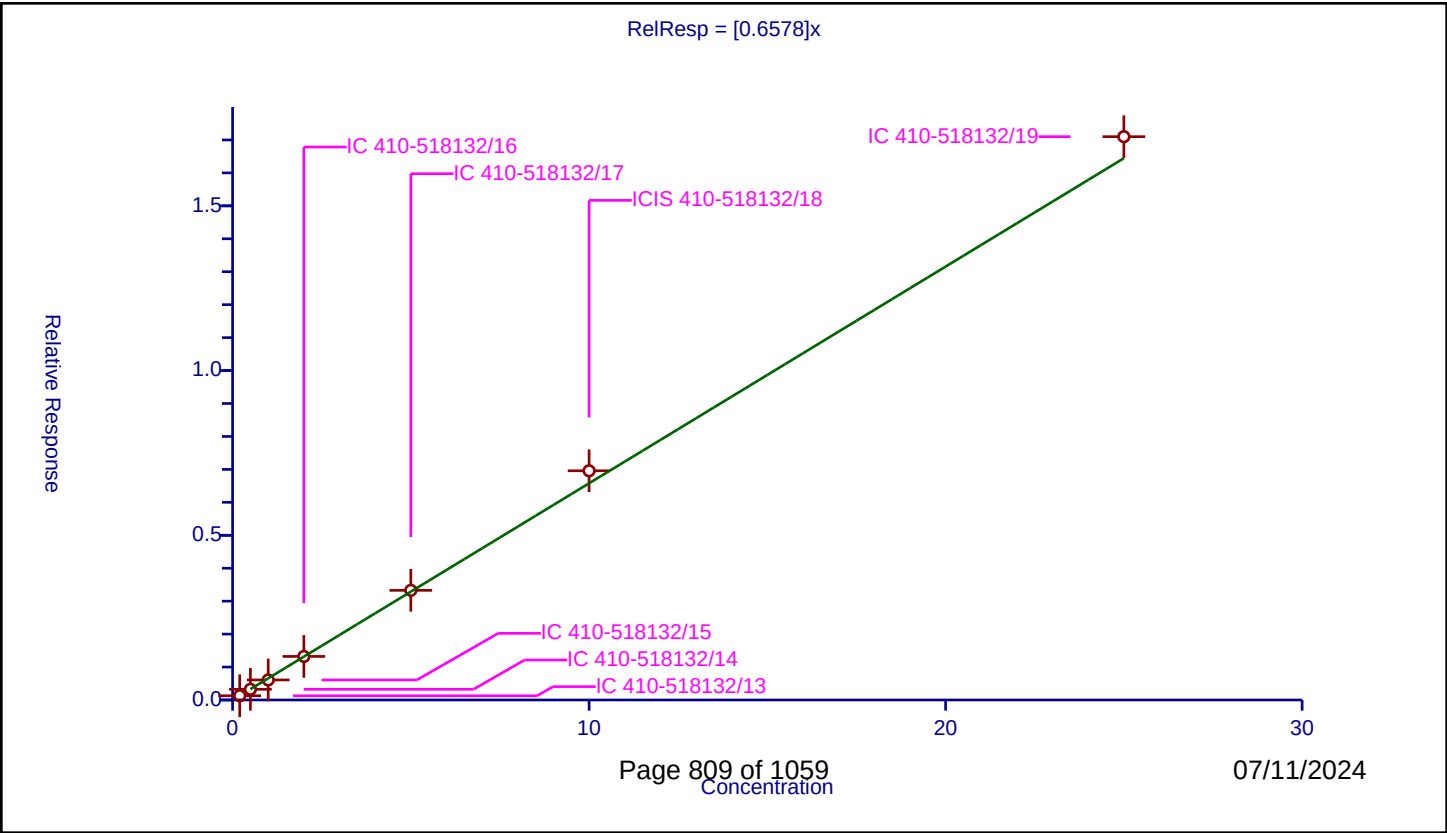
/ Tert-butyl ethyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6578
Error Coefficients	

Relative Standard Deviation: 4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.1283	10.0	1913642.0	0.641499	Y
2	IC 410-518132/14	0.5	0.32404	10.0	1810978.0	0.648081	Y
3	IC 410-518132/15	1.0	0.608425	10.0	1938794.0	0.608425	Y
4	IC 410-518132/16	2.0	1.322343	10.0	1835862.0	0.661172	Y
5	IC 410-518132/17	5.0	3.328024	10.0	1923745.0	0.665605	Y
6	ICIS 410-518132/18	10.0	6.95756	10.0	1939200.0	0.695756	Y
7	IC 410-518132/19	25.0	17.099647	10.0	2159303.0	0.683986	Y



Calibration

/ 2-Butanone (MEK)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

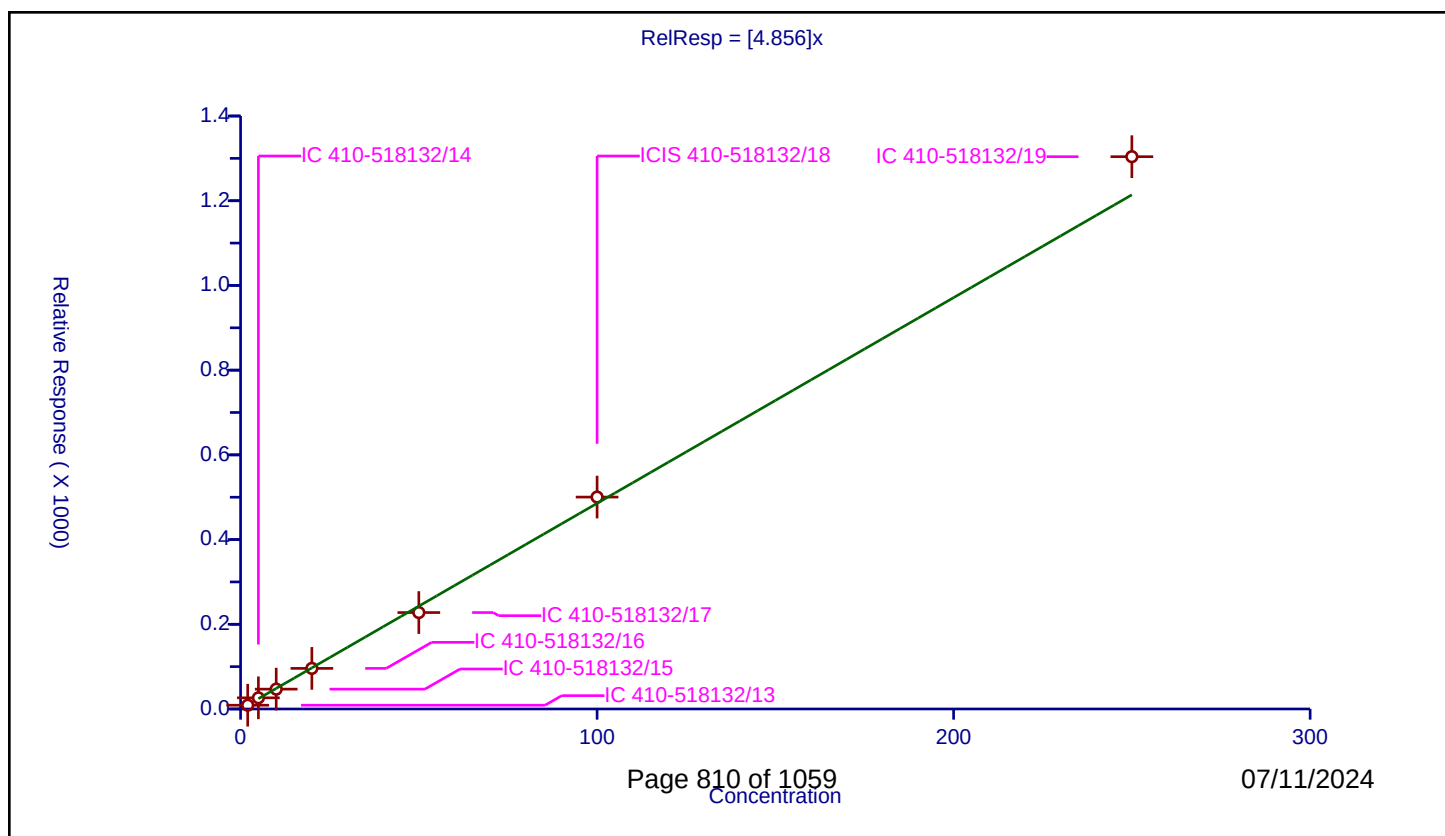
Curve Coefficients

Intercept: 0
Slope: 4.856

Error Coefficients

Relative Standard Deviation: 6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	2.0	8.935588	50.0	88819.0	4.467794	Y
2	IC 410-518132/14	5.0	26.347503	50.0	74267.0	5.269501	Y
3	IC 410-518132/15	10.0	46.867385	50.0	85360.0	4.686739	Y
4	IC 410-518132/16	20.0	95.874773	50.0	83656.0	4.793739	Y
5	IC 410-518132/17	50.0	227.679075	50.0	92196.0	4.553582	Y
6	ICIS 410-518132/18	100.0	500.334849	50.0	89294.0	5.003348	Y
7	IC 410-518132/19	250.0	1304.011305	50.0	98185.0	5.216045	Y



Calibration

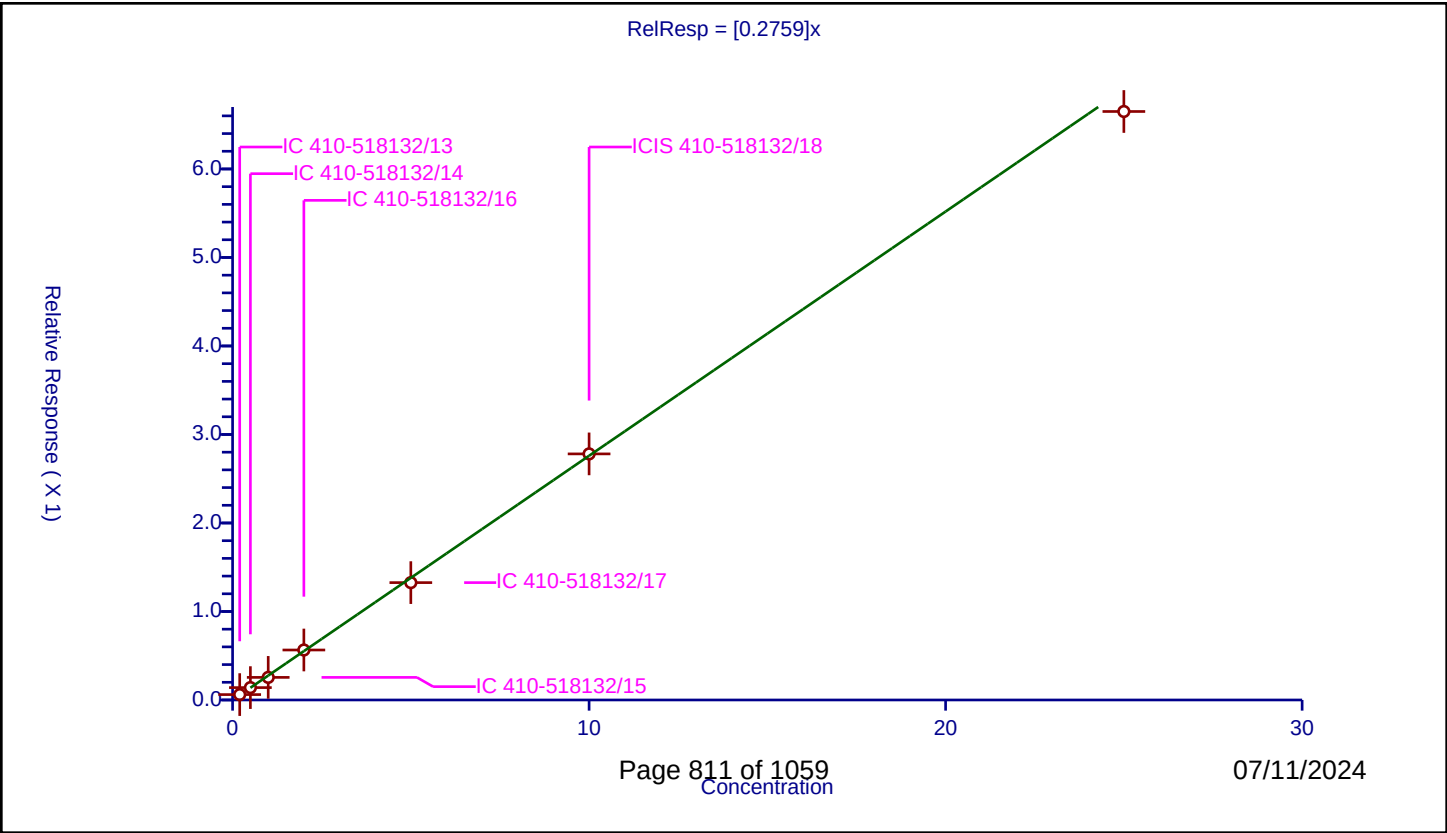
/ cis-1,2-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2759
Error Coefficients	

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.060873	10.0	1913642.0	0.304367	Y
2	IC 410-518132/14	0.5	0.140096	10.0	1810978.0	0.280191	Y
3	IC 410-518132/15	1.0	0.255298	10.0	1938794.0	0.255298	Y
4	IC 410-518132/16	2.0	0.564928	10.0	1835862.0	0.282464	Y
5	IC 410-518132/17	5.0	1.326153	10.0	1923745.0	0.265231	Y
6	ICIS 410-518132/18	10.0	2.780492	10.0	1939200.0	0.278049	Y
7	IC 410-518132/19	25.0	6.649465	10.0	2159303.0	0.265979	Y



Calibration

/ 2,2-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

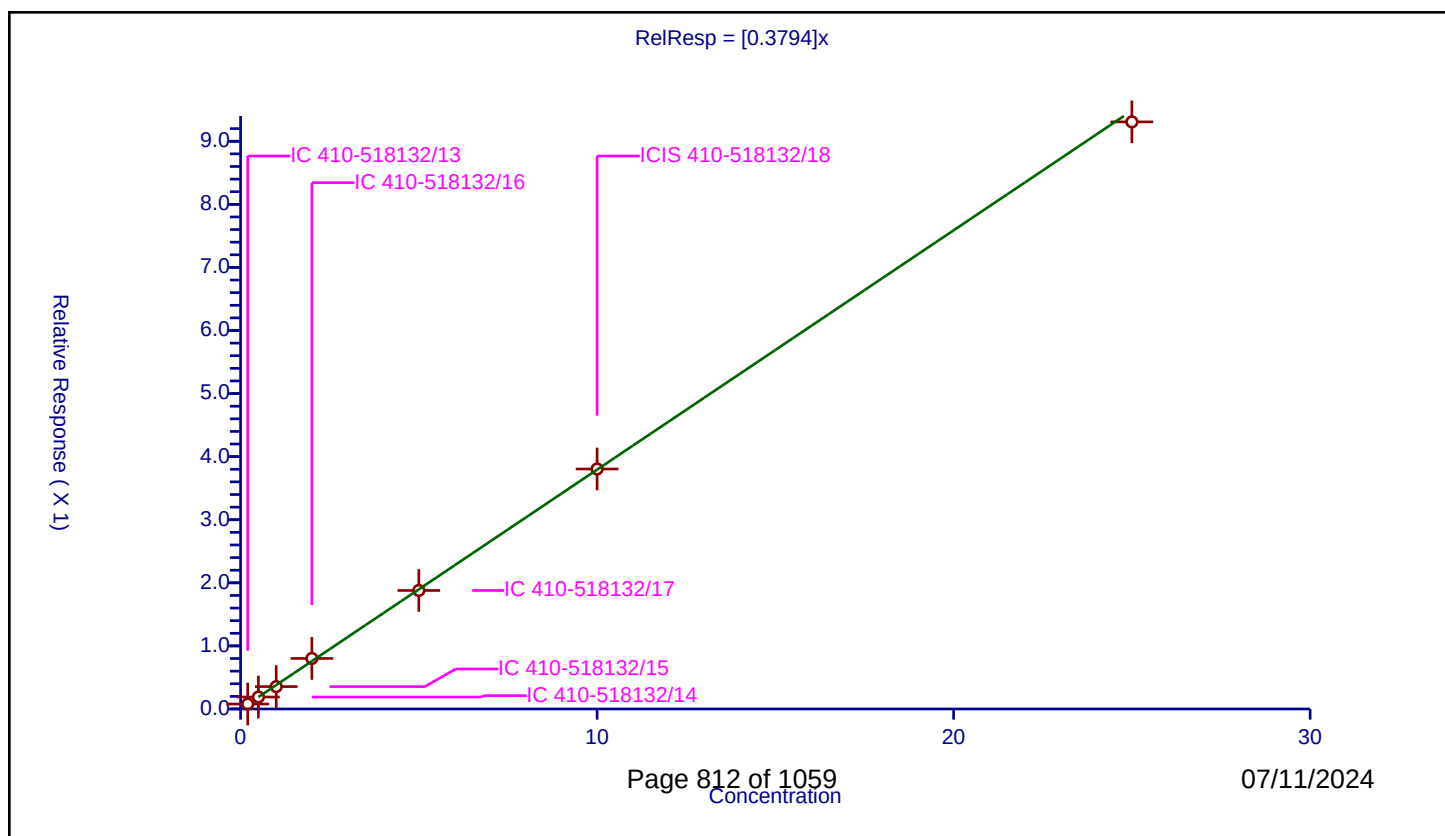
Curve Coefficients

Intercept: 0
Slope: 0.3794

Error Coefficients

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.078557	10.0	1913642.0	0.392785	Y
2	IC 410-518132/14	0.5	0.189599	10.0	1810978.0	0.379198	Y
3	IC 410-518132/15	1.0	0.354736	10.0	1938794.0	0.354736	Y
4	IC 410-518132/16	2.0	0.80109	10.0	1835862.0	0.400545	Y
5	IC 410-518132/17	5.0	1.87897	10.0	1923745.0	0.375794	Y
6	ICIS 410-518132/18	10.0	3.804244	10.0	1939200.0	0.380424	Y
7	IC 410-518132/19	25.0	9.30692	10.0	2159303.0	0.372277	Y



Calibration

/ Propionitrile

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

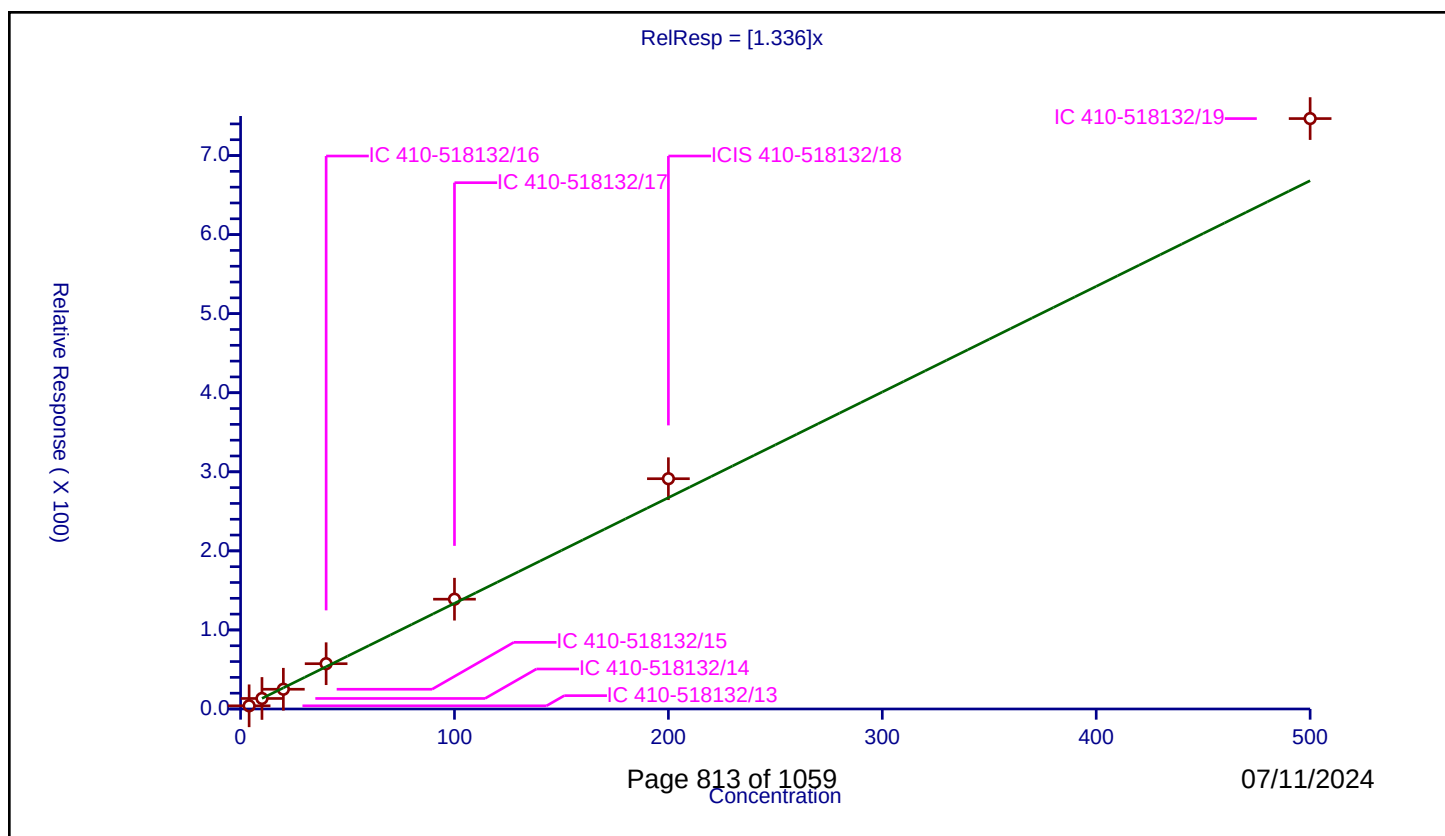
Curve Coefficients

Intercept: 0
 Slope: 1.336

Error Coefficients

Relative Standard Deviation: 12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	4.0	4.014907	50.0	88819.0	1.003727	Y
2	IC 410-518132/14	10.0	13.314123	50.0	74267.0	1.331412	Y
3	IC 410-518132/15	20.0	24.98067	50.0	85360.0	1.249034	Y
4	IC 410-518132/16	40.0	57.286387	50.0	83656.0	1.43216	Y
5	IC 410-518132/17	100.0	138.86123	50.0	92196.0	1.388612	Y
6	ICIS 410-518132/18	200.0	291.263131	50.0	89294.0	1.456316	Y
7	IC 410-518132/19	500.0	746.769873	50.0	98185.0	1.49354	Y

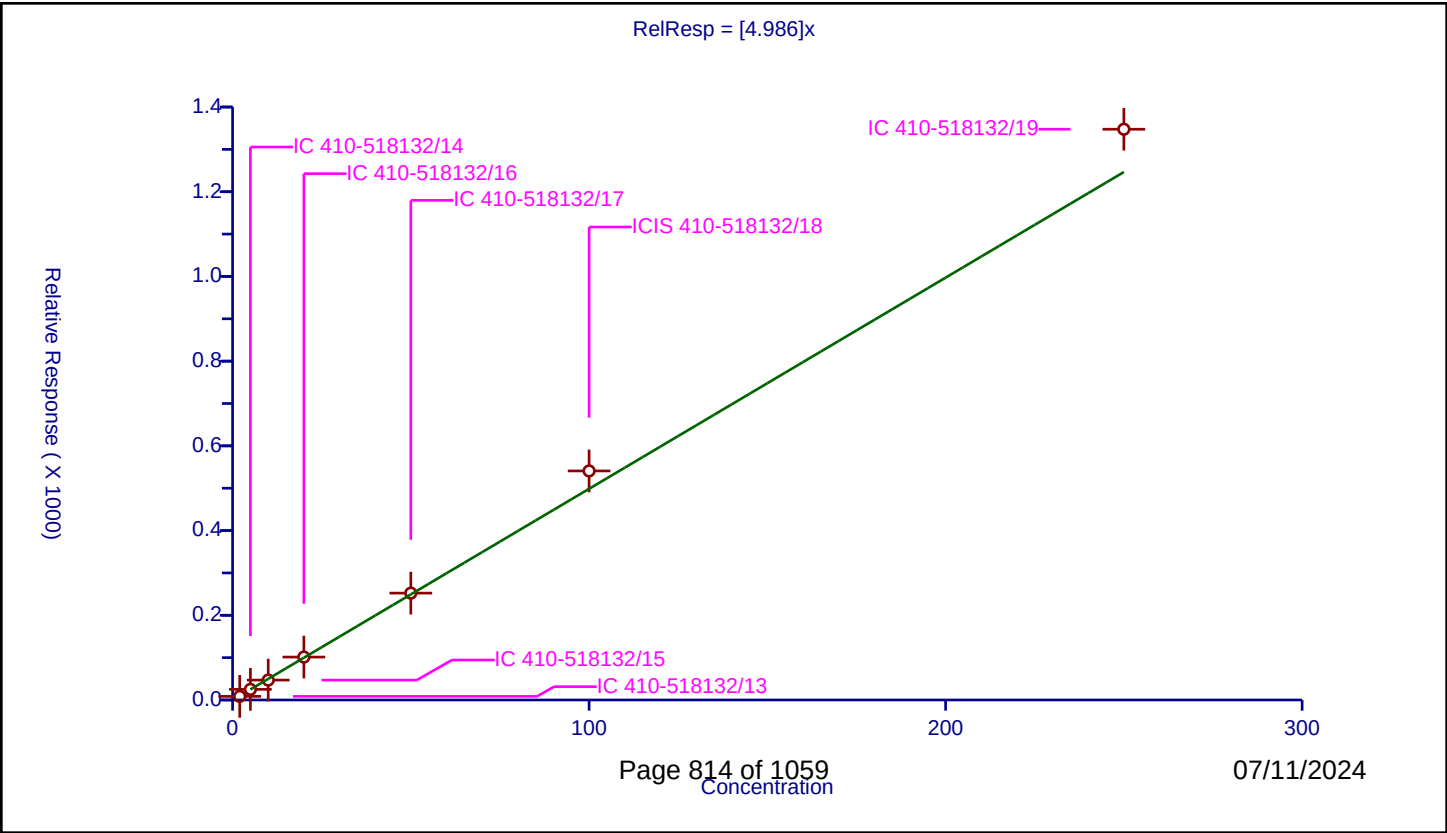


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	4.986
Error Coefficients	

Relative Standard Deviation: 8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	2.0	8.542654	50.0	88819.0	4.271327	Y
2	IC 410-518132/14	5.0	25.07978	50.0	74267.0	5.015956	Y
3	IC 410-518132/15	10.0	47.02261	50.0	85360.0	4.702261	Y
4	IC 410-518132/16	20.0	101.308334	50.0	83656.0	5.065417	Y
5	IC 410-518132/17	50.0	252.314634	50.0	92196.0	5.046293	Y
6	ICIS 410-518132/18	100.0	540.802853	50.0	89294.0	5.408029	Y
7	IC 410-518132/19	250.0	1347.546978	50.0	98185.0	5.390188	Y



Calibration

/ Chlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

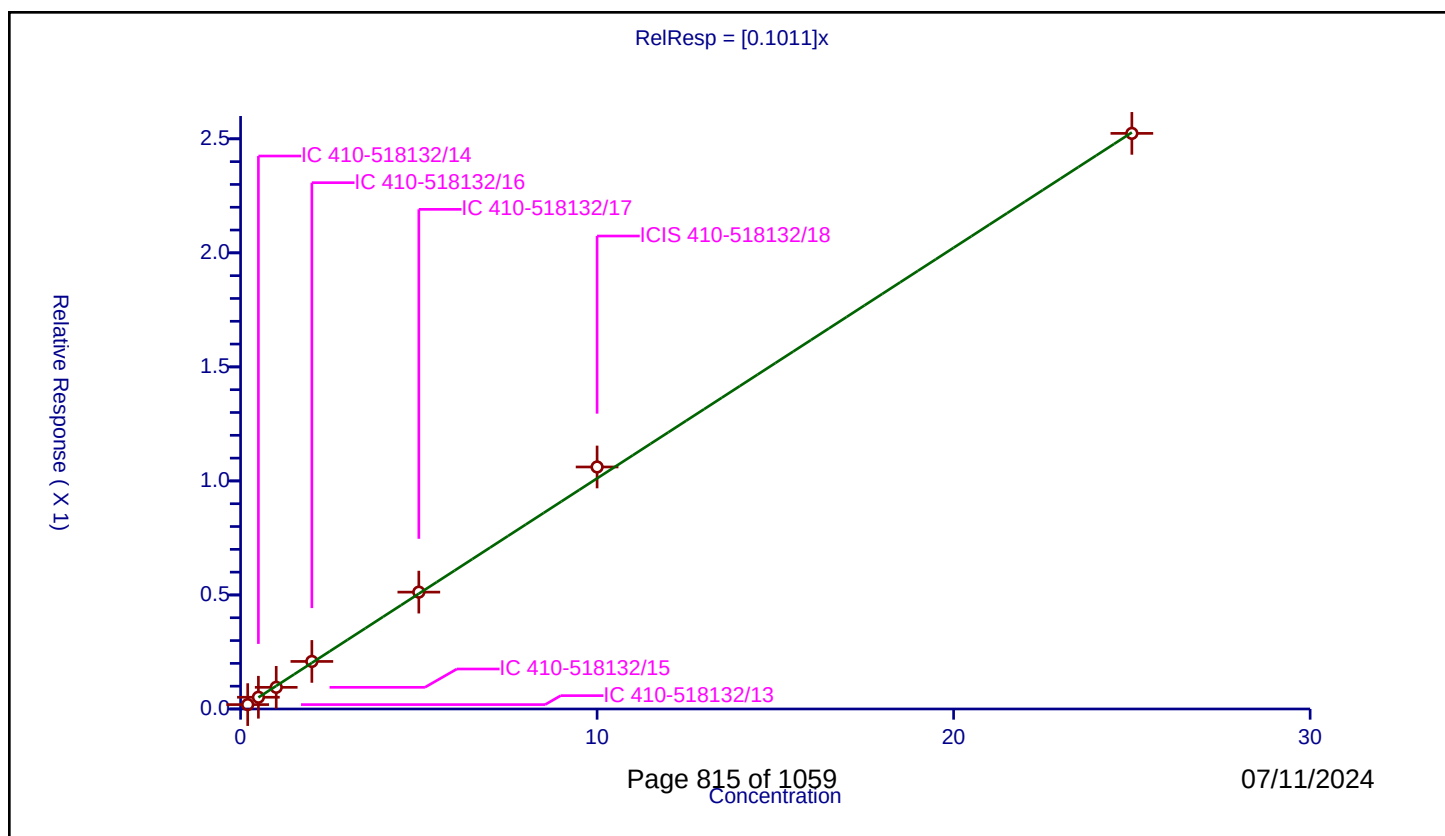
Curve Coefficients

Intercept: 0
Slope: 0.1011

Error Coefficients

Relative Standard Deviation: 4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.019209	10.0	1913642.0	0.096047	Y
2	IC 410-518132/14	0.5	0.051464	10.0	1810978.0	0.102928	Y
3	IC 410-518132/15	1.0	0.095018	10.0	1938794.0	0.095018	Y
4	IC 410-518132/16	2.0	0.208578	10.0	1835862.0	0.104289	Y
5	IC 410-518132/17	5.0	0.512386	10.0	1923745.0	0.102477	Y
6	ICIS 410-518132/18	10.0	1.061113	10.0	1939200.0	0.106111	Y
7	IC 410-518132/19	25.0	2.523884	10.0	2159303.0	0.100955	Y

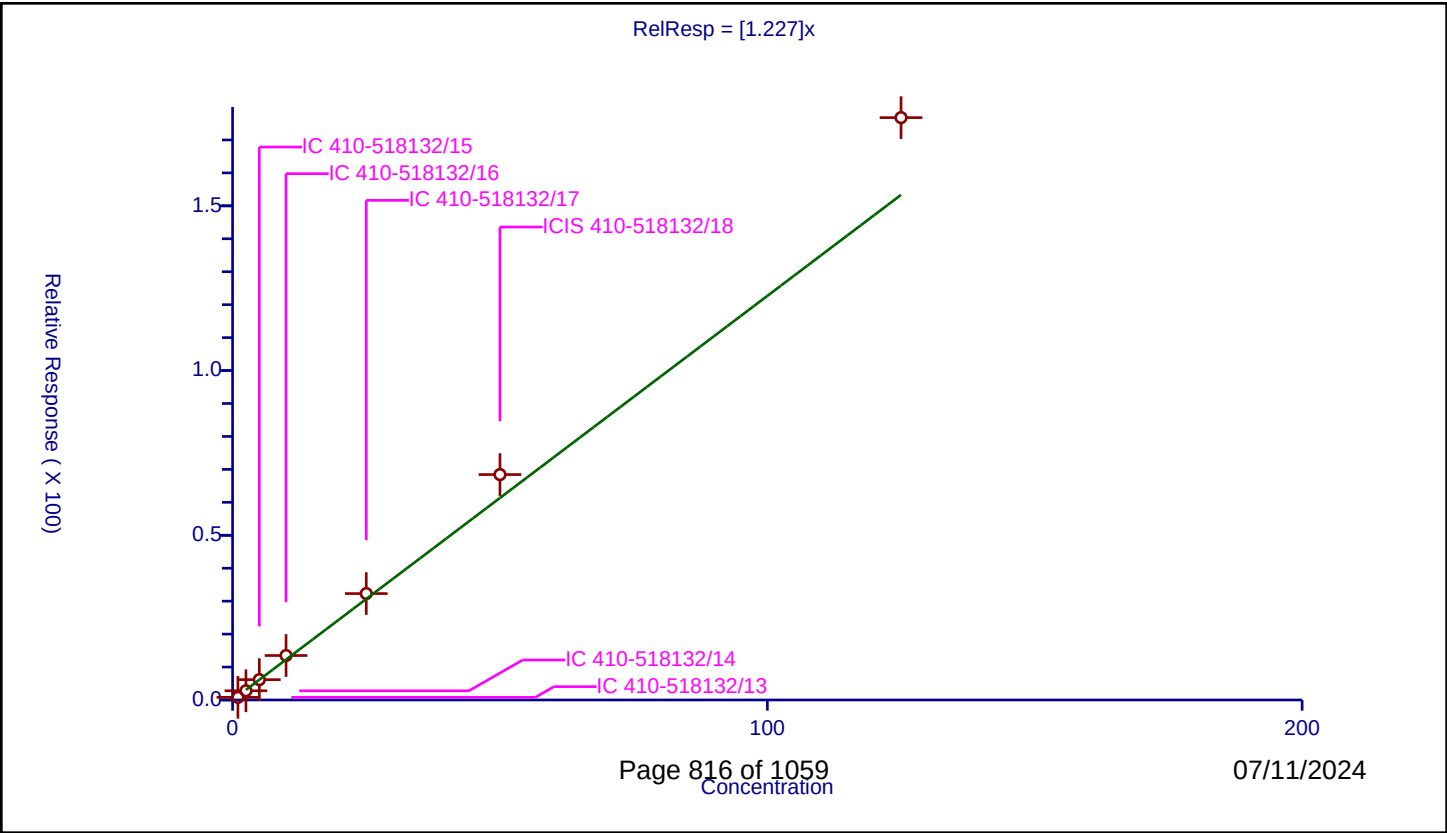


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.227
Error Coefficients	

Relative Standard Deviation: 17.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	1.0	0.808386	50.0	88819.0	0.808386	Y
2	IC 410-518132/14	2.5	2.798013	50.0	74267.0	1.119205	Y
3	IC 410-518132/15	5.0	6.173852	50.0	85360.0	1.23477	Y
4	IC 410-518132/16	10.0	13.495147	50.0	83656.0	1.349515	Y
5	IC 410-518132/17	25.0	32.30292	50.0	92196.0	1.292117	Y
6	ICIS 410-518132/18	50.0	68.42677	50.0	89294.0	1.368535	Y
7	IC 410-518132/19	125.0	176.774456	50.0	98185.0	1.414196	Y



Calibration

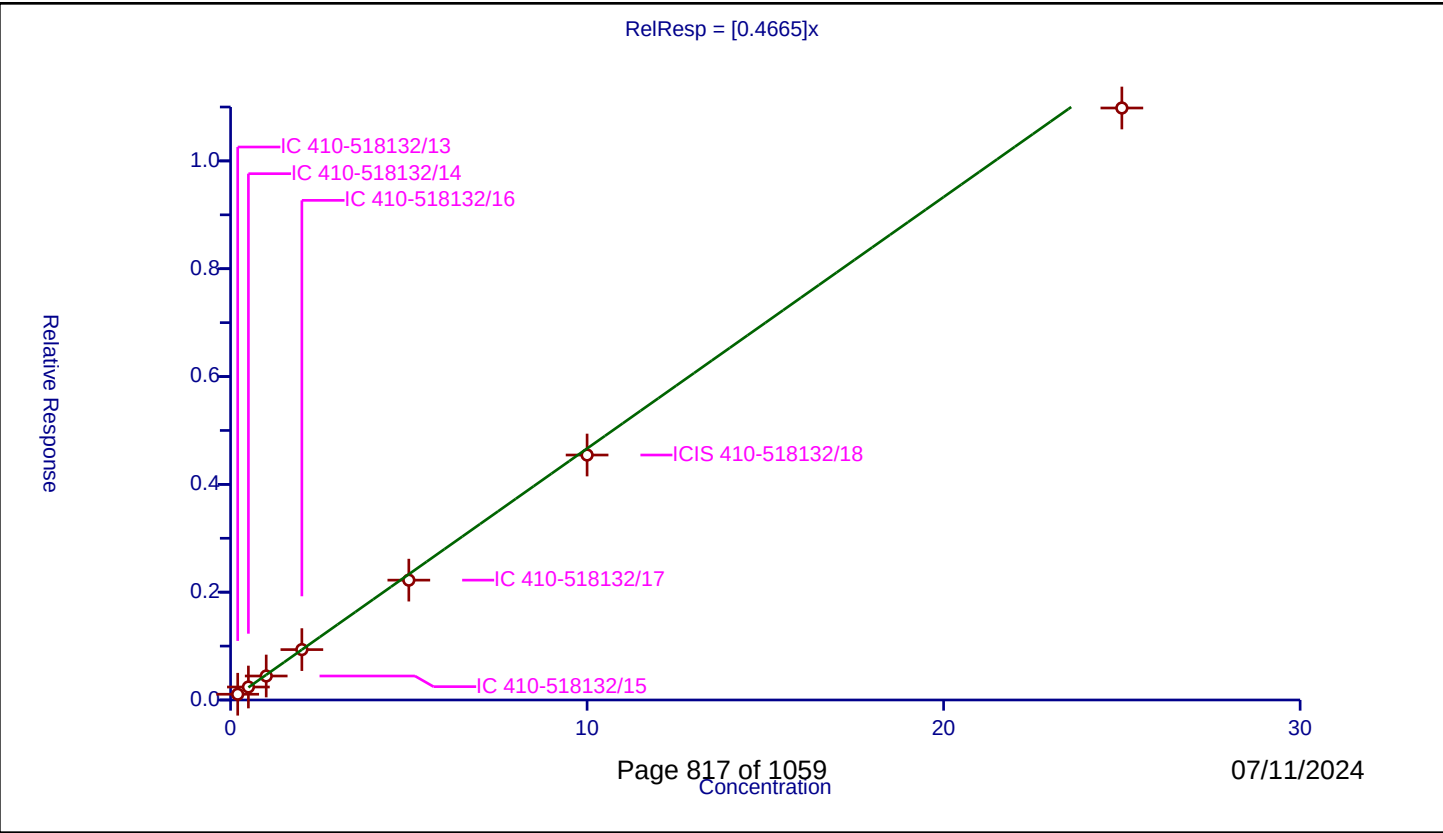
/ Chloroform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4665
Error Coefficients	

Relative Standard Deviation: 7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.106676	10.0	1913642.0	0.533381	Y
2	IC 410-518132/14	0.5	0.240864	10.0	1810978.0	0.481729	Y
3	IC 410-518132/15	1.0	0.444725	10.0	1938794.0	0.444725	Y
4	IC 410-518132/16	2.0	0.934711	10.0	1835862.0	0.467355	Y
5	IC 410-518132/17	5.0	2.223226	10.0	1923745.0	0.444645	Y
6	ICIS 410-518132/18	10.0	4.544426	10.0	1939200.0	0.454443	Y
7	IC 410-518132/19	25.0	10.981896	10.0	2159303.0	0.439276	Y



Calibration

/ Dibromofluoromethane (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

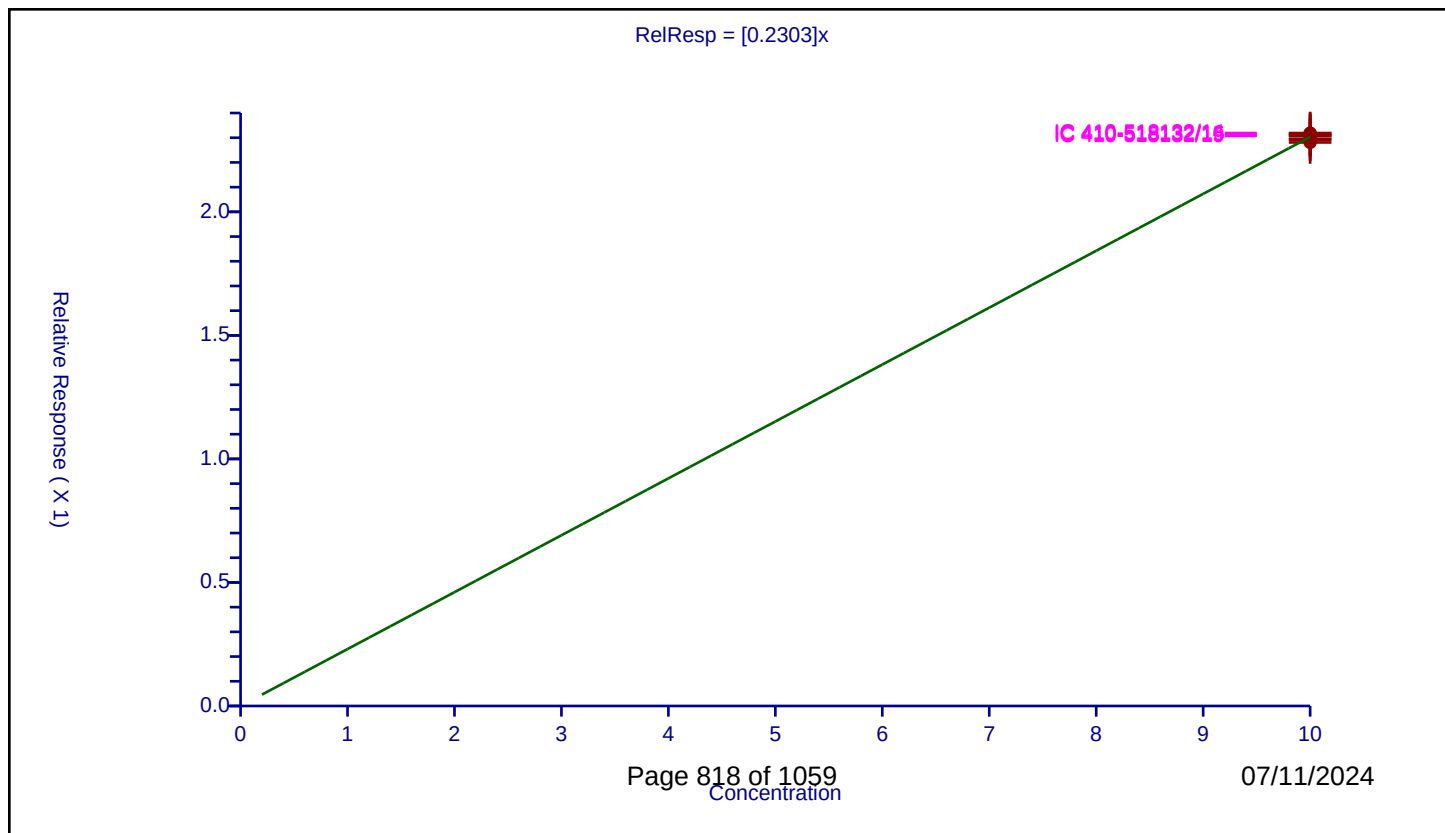
Curve Coefficients

Intercept: 0
 Slope: 0.2303

Error Coefficients

Relative Standard Deviation: 0.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	10.0	2.291949	10.0	1913642.0	0.229195	Y
2	IC 410-518132/14	10.0	2.318808	10.0	1810978.0	0.231881	Y
3	IC 410-518132/15	10.0	2.309859	10.0	1938794.0	0.230986	Y
4	IC 410-518132/16	10.0	2.31604	10.0	1835862.0	0.231604	Y
5	IC 410-518132/17	10.0	2.280884	10.0	1923745.0	0.228088	Y
6	ICIS 410-518132/18	10.0	2.295869	10.0	1939200.0	0.229587	Y
7	IC 410-518132/19	10.0	2.307657	10.0	2159303.0	0.230766	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

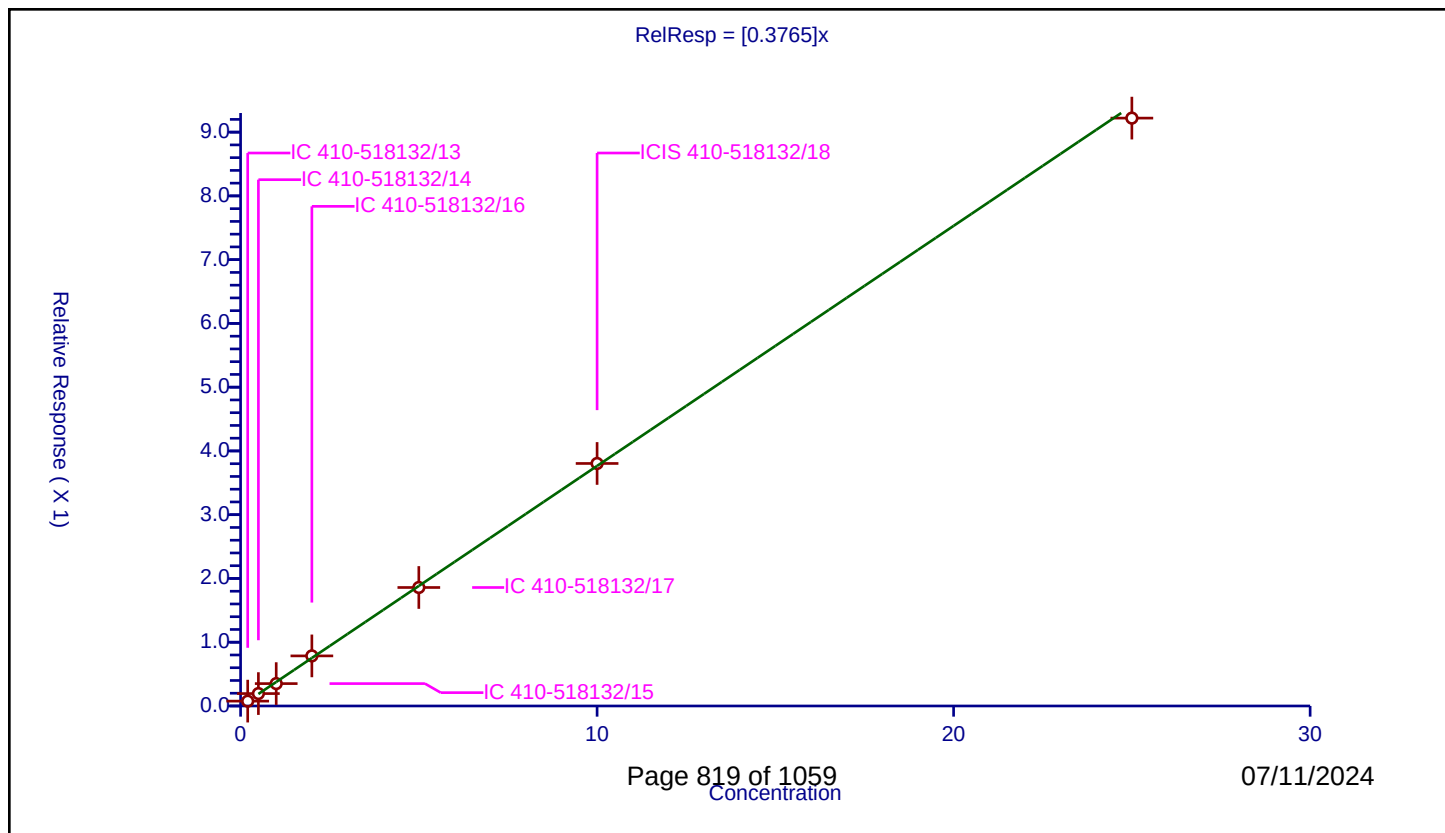
Curve Coefficients

Intercept: 0
Slope: 0.3765

Error Coefficients

Relative Standard Deviation: 3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.076226	10.0	1913642.0	0.381132	Y
2	IC 410-518132/14	0.5	0.194773	10.0	1810978.0	0.389546	Y
3	IC 410-518132/15	1.0	0.351218	10.0	1938794.0	0.351218	Y
4	IC 410-518132/16	2.0	0.785593	10.0	1835862.0	0.392796	Y
5	IC 410-518132/17	5.0	1.858349	10.0	1923745.0	0.37167	Y
6	ICIS 410-518132/18	10.0	3.803764	10.0	1939200.0	0.380376	Y
7	IC 410-518132/19	25.0	9.220253	10.0	2159303.0	0.36881	Y



Calibration

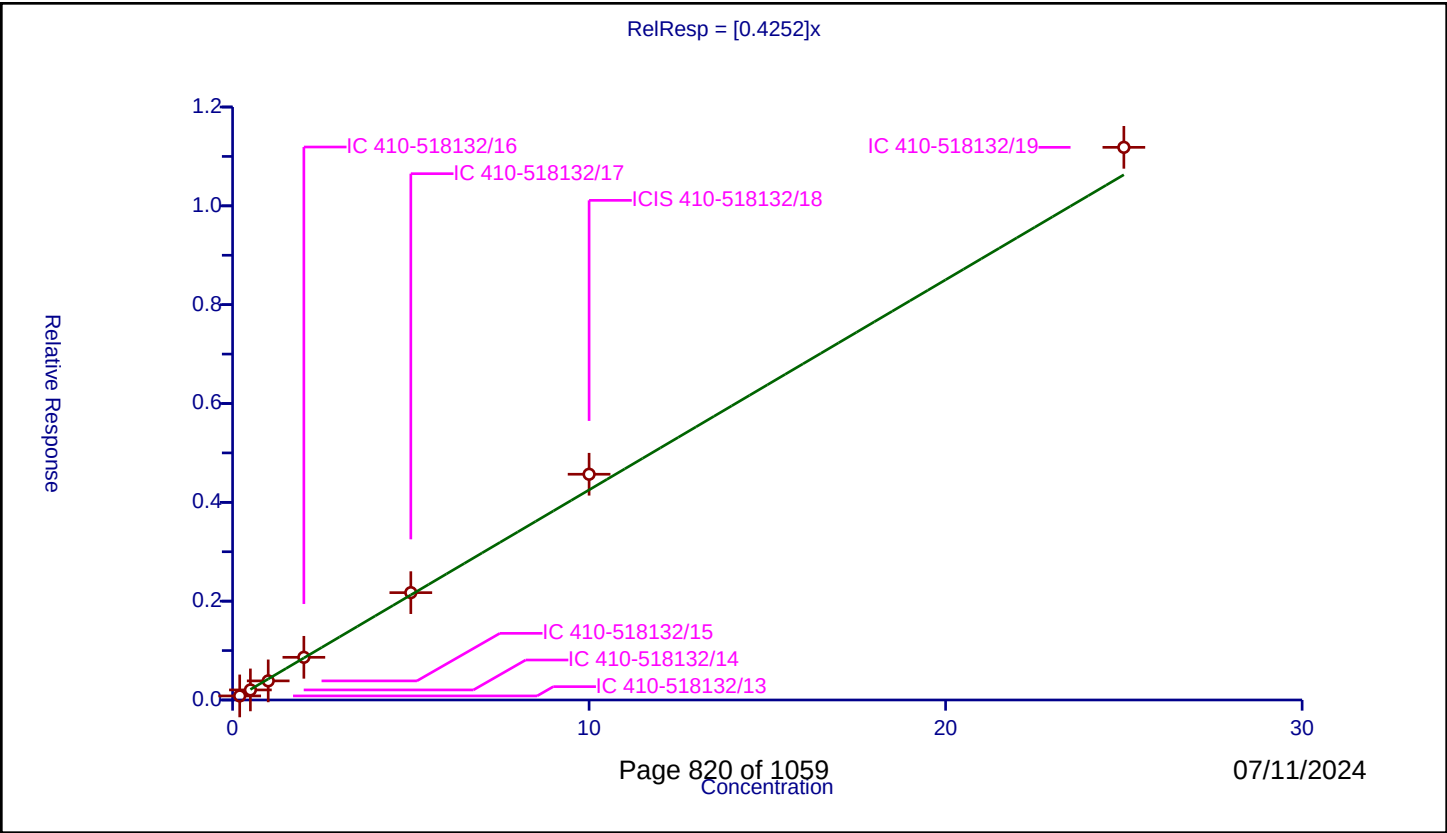
/ Cyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4252
Error Coefficients	

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.082414	10.0	1913642.0	0.412068	Y
2	IC 410-518132/14	0.5	0.203525	10.0	1810978.0	0.407051	Y
3	IC 410-518132/15	1.0	0.386627	10.0	1938794.0	0.386627	Y
4	IC 410-518132/16	2.0	0.863632	10.0	1835862.0	0.431816	Y
5	IC 410-518132/17	5.0	2.17245	10.0	1923745.0	0.43449	Y
6	ICIS 410-518132/18	10.0	4.568472	10.0	1939200.0	0.456847	Y
7	IC 410-518132/19	25.0	11.183776	10.0	2159303.0	0.447351	Y



Calibration

/ Carbon tetrachloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

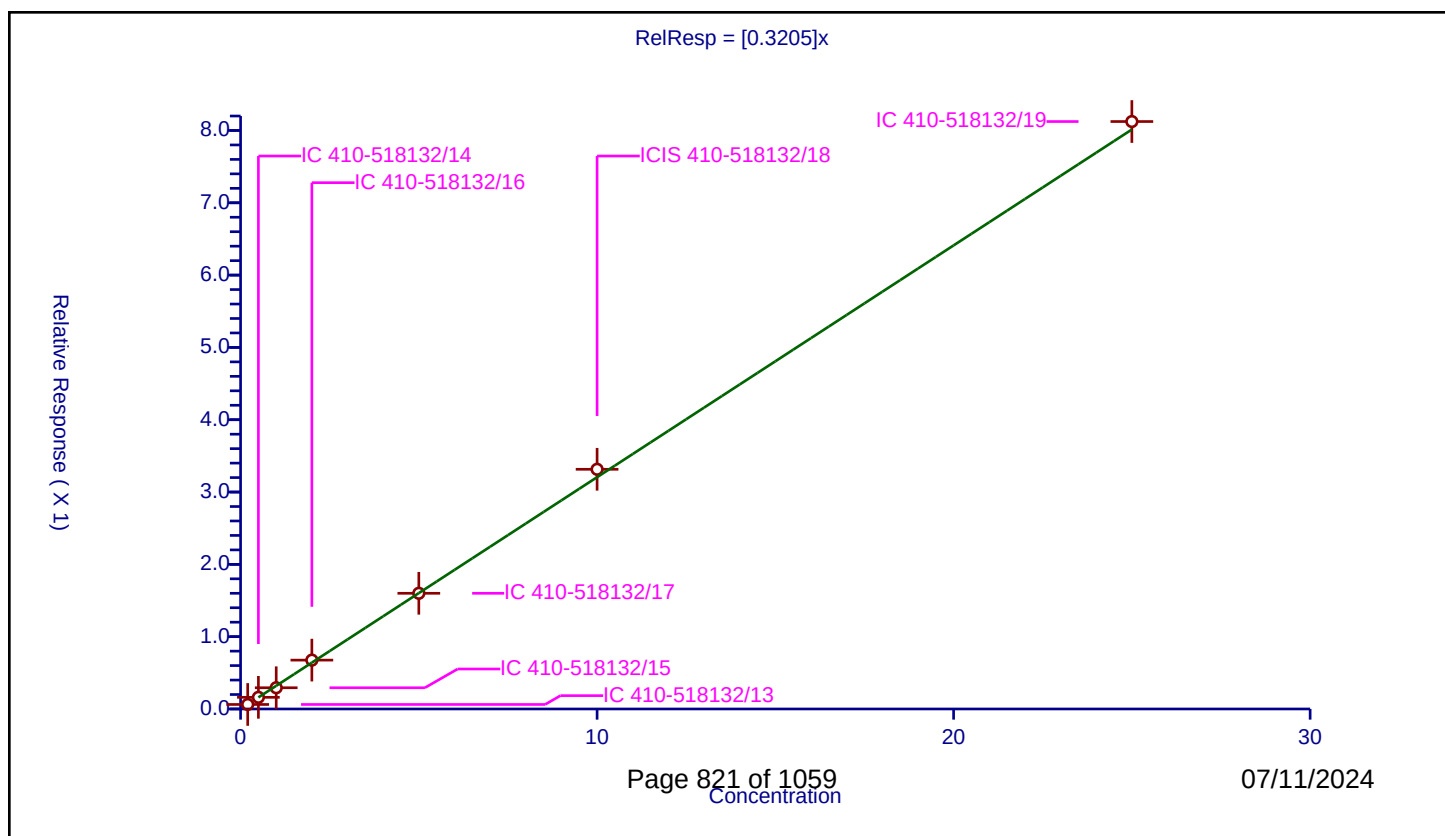
Curve Coefficients

Intercept: 0
Slope: 0.3205

Error Coefficients

Relative Standard Deviation: 4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.062661	10.0	1913642.0	0.313303	Y
2	IC 410-518132/14	0.5	0.161233	10.0	1810978.0	0.322467	Y
3	IC 410-518132/15	1.0	0.293791	10.0	1938794.0	0.293791	Y
4	IC 410-518132/16	2.0	0.675688	10.0	1835862.0	0.337844	Y
5	IC 410-518132/17	5.0	1.599926	10.0	1923745.0	0.319985	Y
6	ICIS 410-518132/18	10.0	3.314568	10.0	1939200.0	0.331457	Y
7	IC 410-518132/19	25.0	8.123515	10.0	2159303.0	0.324941	Y

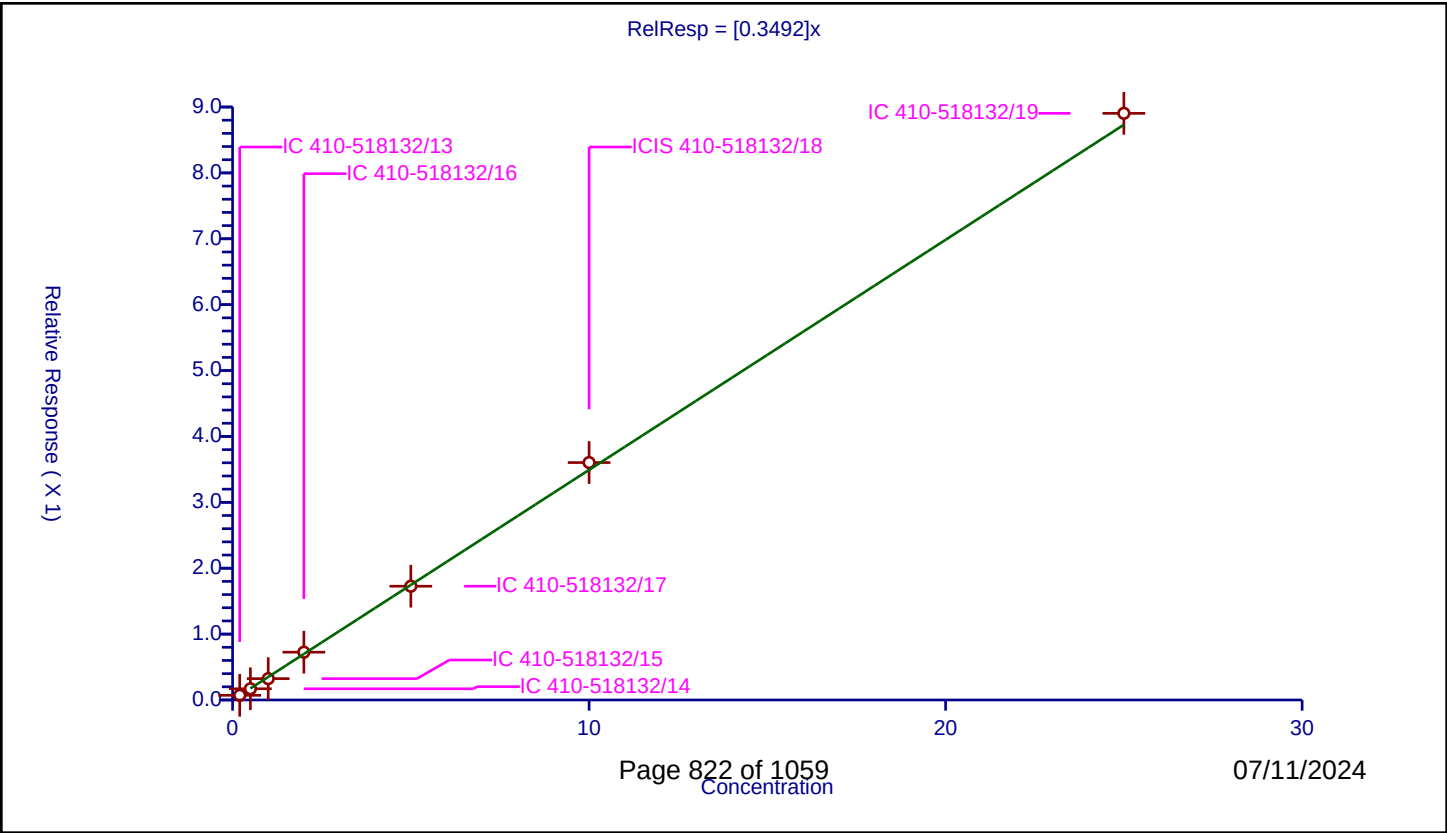


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3492
Error Coefficients	

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.071058	10.0	1913642.0	0.355291	Y
2	IC 410-518132/14	0.5	0.170383	10.0	1810978.0	0.340766	Y
3	IC 410-518132/15	1.0	0.324021	10.0	1938794.0	0.324021	Y
4	IC 410-518132/16	2.0	0.72537	10.0	1835862.0	0.362685	Y
5	IC 410-518132/17	5.0	1.726622	10.0	1923745.0	0.345324	Y
6	ICIS 410-518132/18	10.0	3.603651	10.0	1939200.0	0.360365	Y
7	IC 410-518132/19	25.0	8.90417	10.0	2159303.0	0.356167	Y



Calibration

/ Isobutyl alcohol

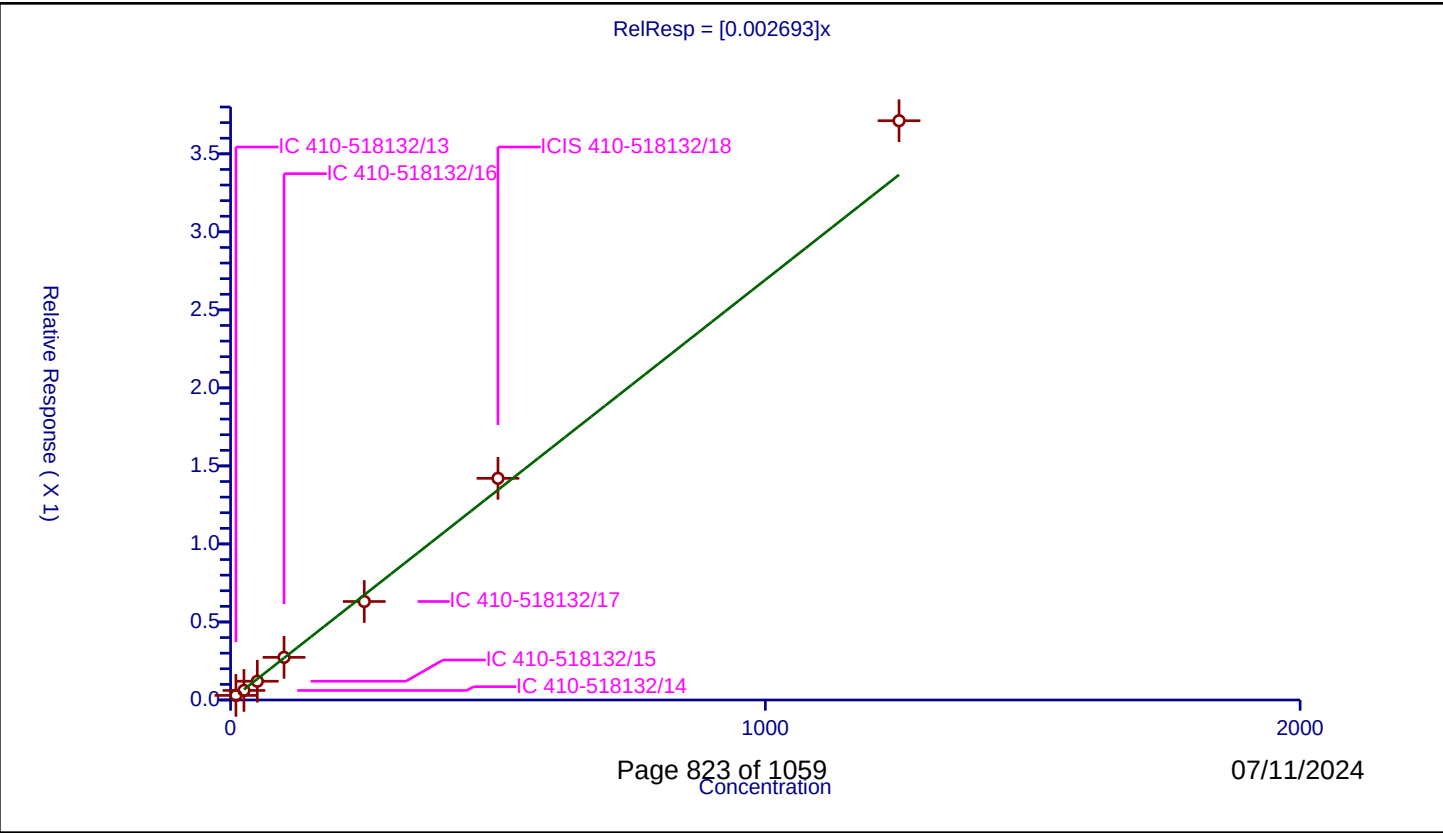
Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.002693

Error Coefficients	

Relative Standard Deviation: 8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	10.0	0.029326	10.0	1913642.0	0.002933	Y
2	IC 410-518132/14	25.0	0.061105	10.0	1810978.0	0.002444	Y
3	IC 410-518132/15	50.0	0.120188	10.0	1938794.0	0.002404	Y
4	IC 410-518132/16	100.0	0.273305	10.0	1835862.0	0.002733	Y
5	IC 410-518132/17	250.0	0.631108	10.0	1923745.0	0.002524	Y
6	ICIS 410-518132/18	500.0	1.42055	10.0	1939200.0	0.002841	Y
7	IC 410-518132/19	1250.0	3.712235	10.0	2159303.0	0.00297	Y



Calibration

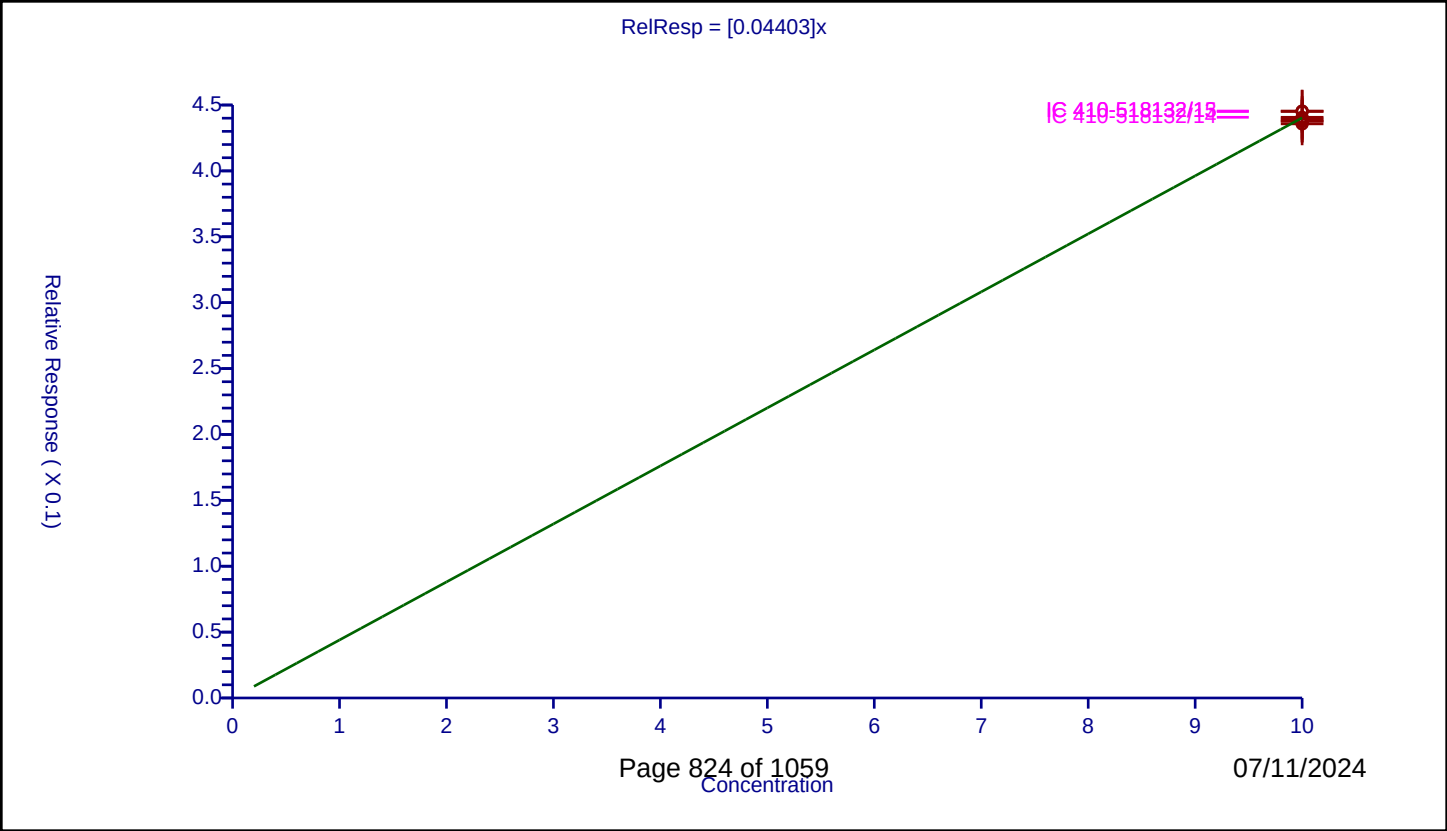
/ 1,2-Dichloroethane-d4 (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.04403

Error Coefficients	
Relative Standard Deviation:	0.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	10.0	0.445423	10.0	1913642.0	0.044542	Y
2	IC 410-518132/14	10.0	0.440696	10.0	1810978.0	0.04407	Y
3	IC 410-518132/15	10.0	0.445081	10.0	1938794.0	0.044508	Y
4	IC 410-518132/16	10.0	0.43774	10.0	1835862.0	0.043774	Y
5	IC 410-518132/17	10.0	0.439476	10.0	1923745.0	0.043948	Y
6	ICIS 410-518132/18	10.0	0.437897	10.0	1939200.0	0.04379	Y
7	IC 410-518132/19	10.0	0.435682	10.0	2159303.0	0.043568	Y

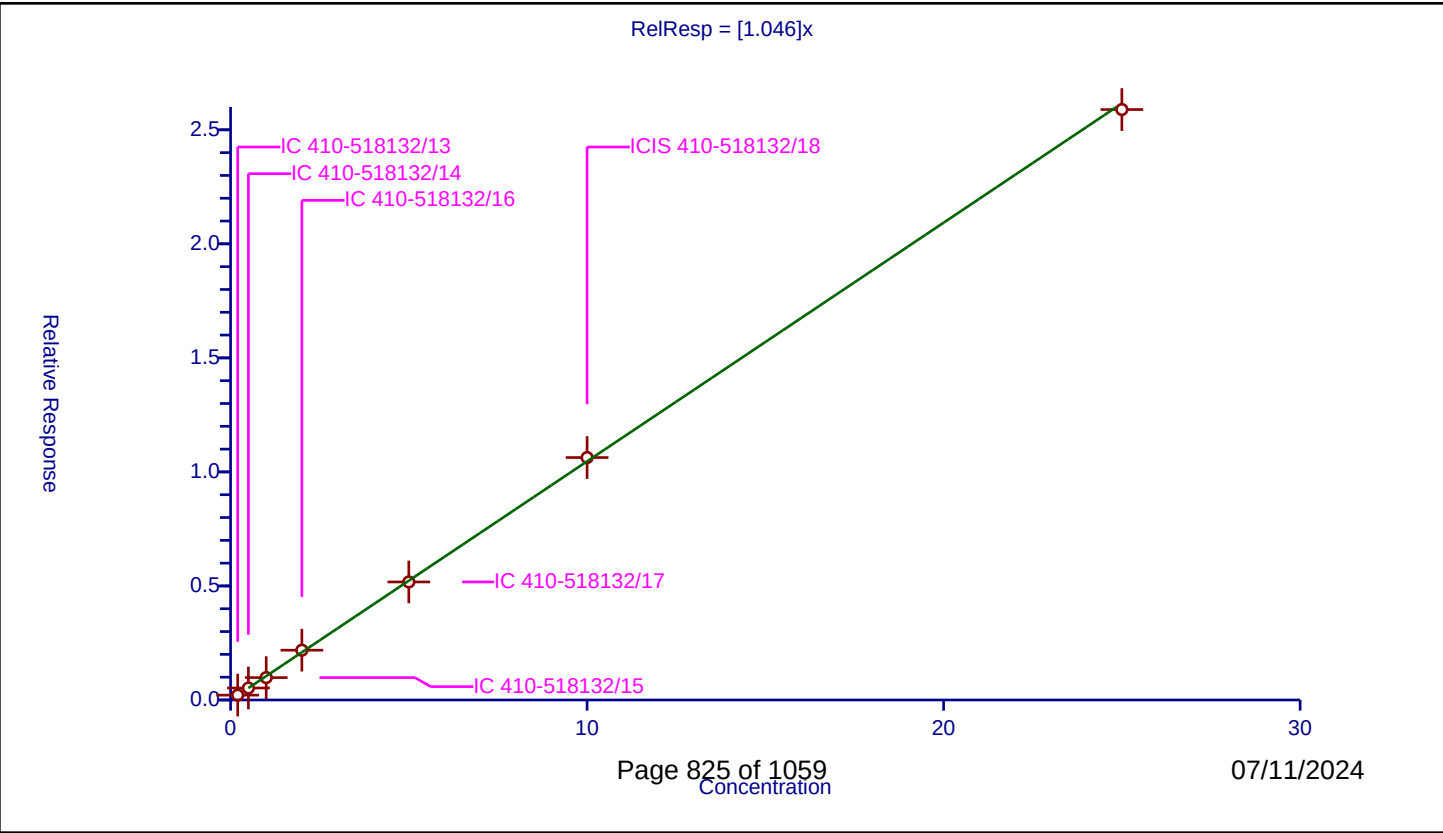


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.046
Error Coefficients	

Relative Standard Deviation: 3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.213149	10.0	1913642.0	1.065743	Y
2	IC 410-518132/14	0.5	0.525793	10.0	1810978.0	1.051586	Y
3	IC 410-518132/15	1.0	0.981868	10.0	1938794.0	0.981868	Y
4	IC 410-518132/16	2.0	2.183334	10.0	1835862.0	1.091667	Y
5	IC 410-518132/17	5.0	5.176169	10.0	1923745.0	1.035234	Y
6	ICIS 410-518132/18	10.0	10.629976	10.0	1939200.0	1.062998	Y
7	IC 410-518132/19	25.0	25.888859	10.0	2159303.0	1.035554	Y



Calibration

/ 1,2-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

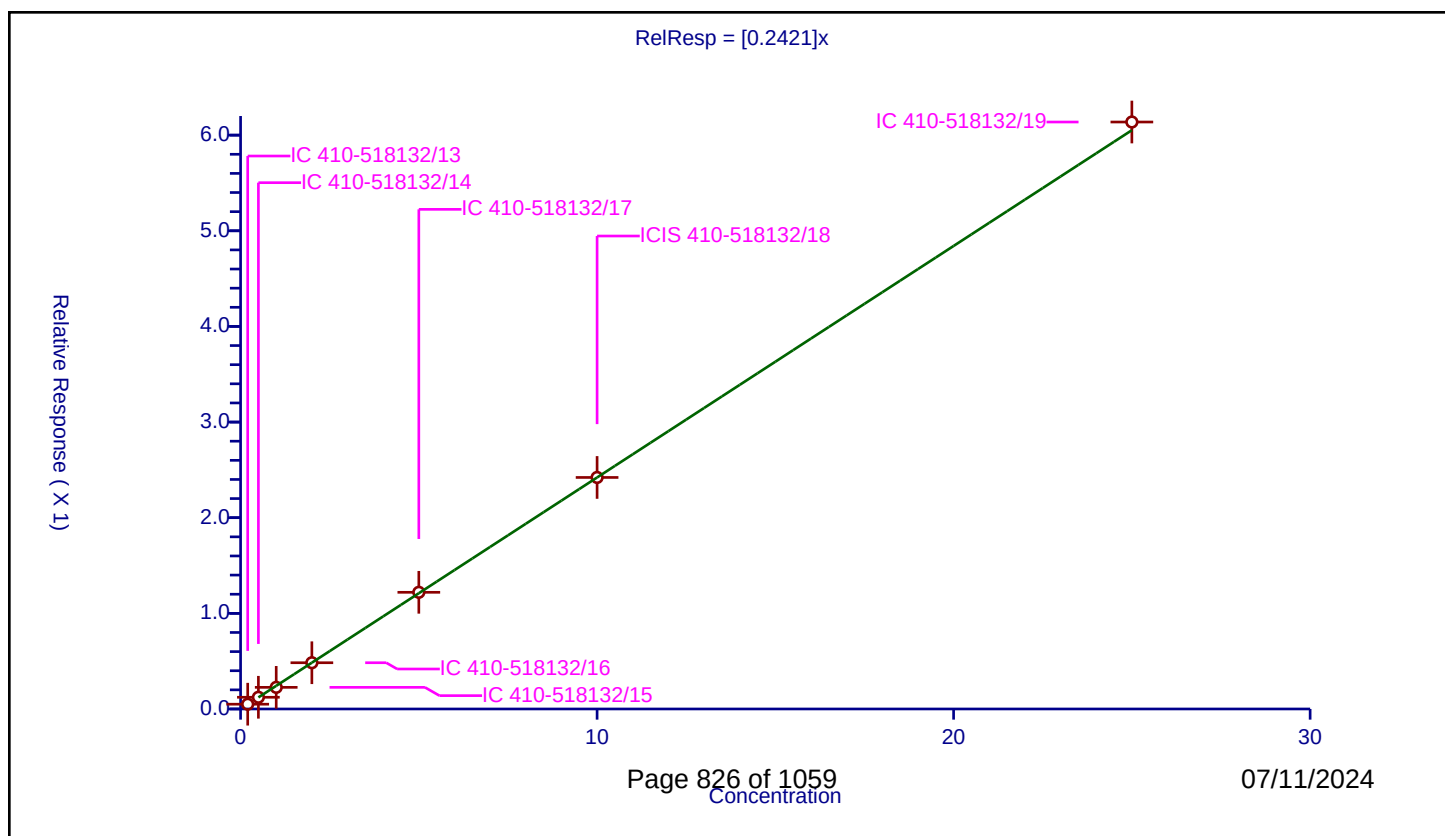
Curve Coefficients

Intercept: 0
Slope: 0.2421

Error Coefficients

Relative Standard Deviation: 3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.049957	10.0	1913642.0	0.249785	Y
2	IC 410-518132/14	0.5	0.122542	10.0	1810978.0	0.245083	Y
3	IC 410-518132/15	1.0	0.226187	10.0	1938794.0	0.226187	Y
4	IC 410-518132/16	2.0	0.483718	10.0	1835862.0	0.241859	Y
5	IC 410-518132/17	5.0	1.219995	10.0	1923745.0	0.243999	Y
6	ICIS 410-518132/18	10.0	2.42089	10.0	1939200.0	0.242089	Y
7	IC 410-518132/19	25.0	6.137379	10.0	2159303.0	0.245495	Y



Calibration

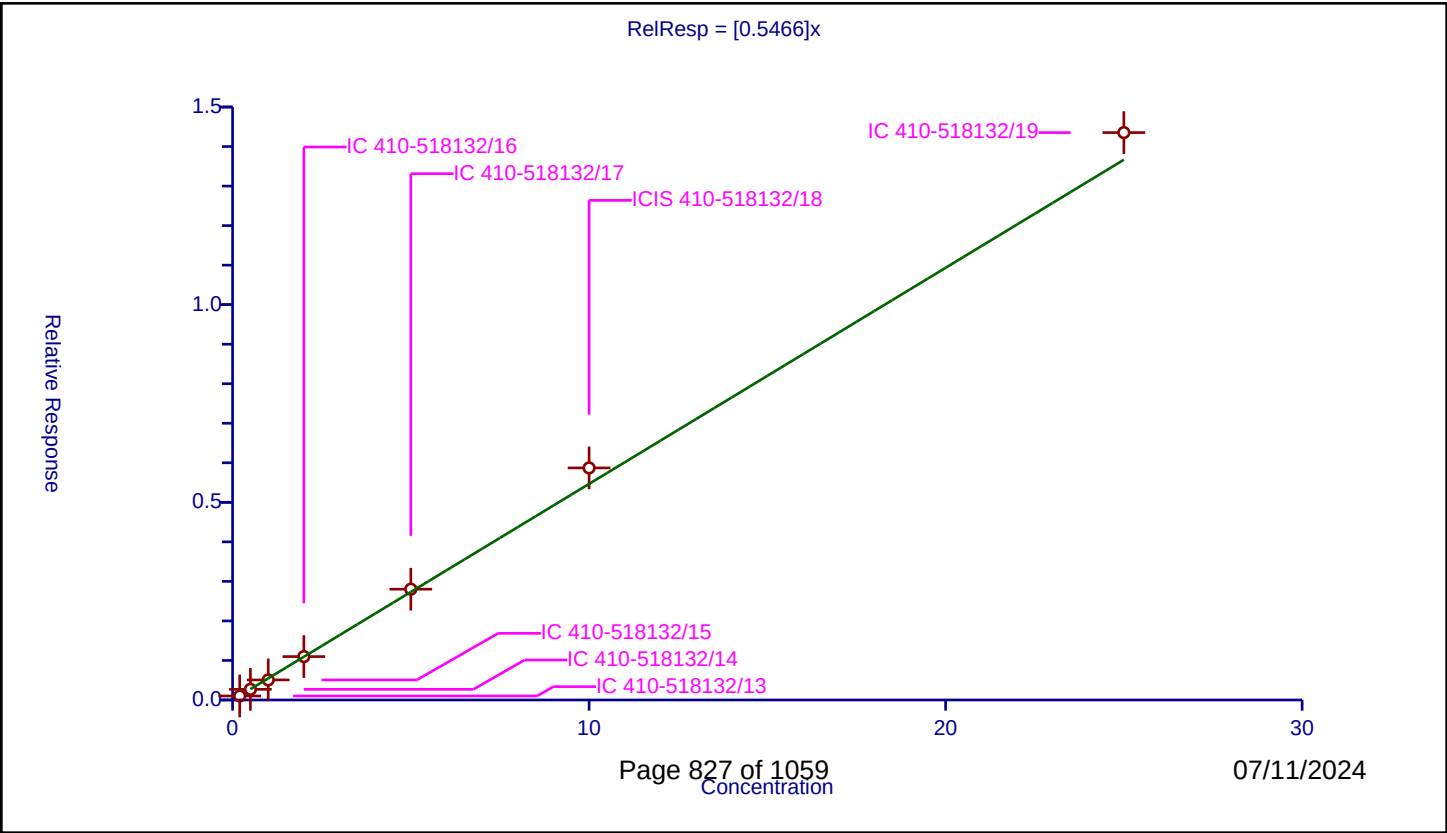
/ Tert-amyl methyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5466
Error Coefficients	

Relative Standard Deviation: 5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.101754	10.0	1913642.0	0.508768	Y
2	IC 410-518132/14	0.5	0.269606	10.0	1810978.0	0.539211	Y
3	IC 410-518132/15	1.0	0.50763	10.0	1938794.0	0.50763	Y
4	IC 410-518132/16	2.0	1.098089	10.0	1835862.0	0.549045	Y
5	IC 410-518132/17	5.0	2.802887	10.0	1923745.0	0.560577	Y
6	ICIS 410-518132/18	10.0	5.870612	10.0	1939200.0	0.587061	Y
7	IC 410-518132/19	25.0	14.353132	10.0	2159303.0	0.574125	Y



Calibration

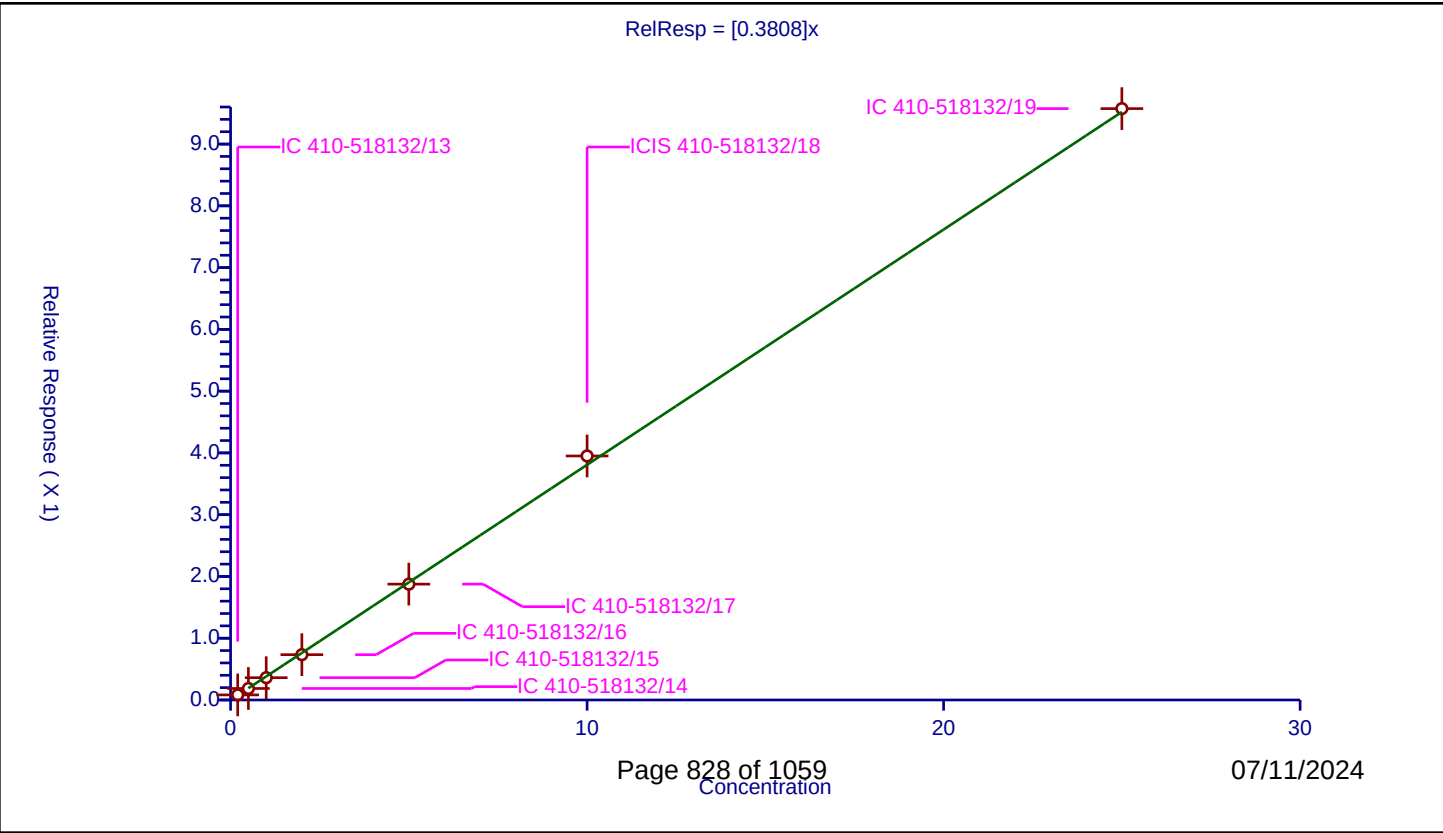
/ n-Heptane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3808
Error Coefficients	

Relative Standard Deviation: 4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.082314	10.0	1913642.0	0.411571	Y
2	IC 410-518132/14	0.5	0.186485	10.0	1810978.0	0.37297	Y
3	IC 410-518132/15	1.0	0.36123	10.0	1938794.0	0.36123	Y
4	IC 410-518132/16	2.0	0.733552	10.0	1835862.0	0.366776	Y
5	IC 410-518132/17	5.0	1.875555	10.0	1923745.0	0.375111	Y
6	ICIS 410-518132/18	10.0	3.950505	10.0	1939200.0	0.395051	Y
7	IC 410-518132/19	25.0	9.574001	10.0	2159303.0	0.38296	Y



Calibration

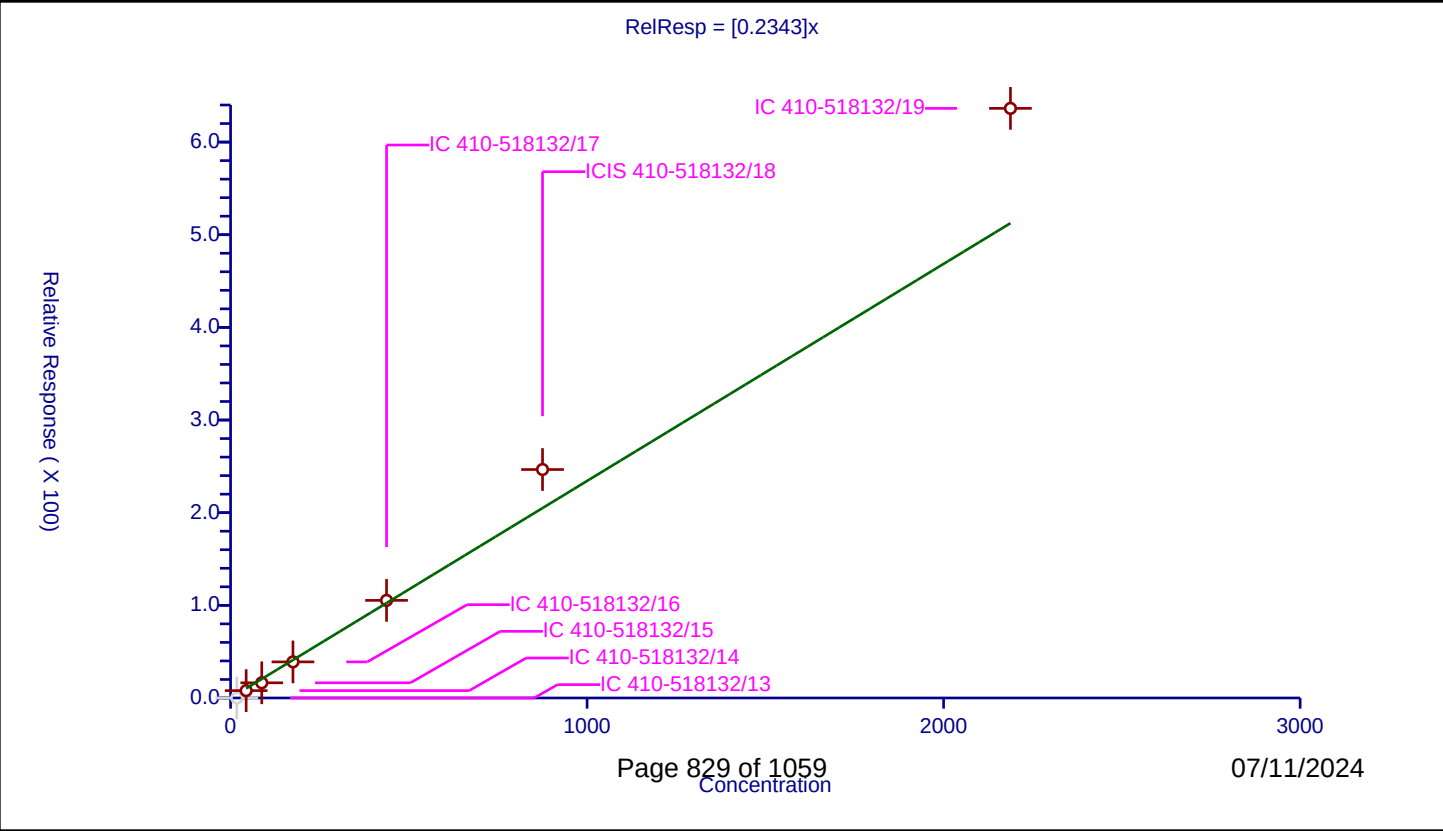
/ n-Butanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2343
Error Coefficients	

Relative Standard Deviation: 19.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	17.5	0.0	50.0	88819.0	0.0	N
2	IC 410-518132/14	43.75	7.962487	50.0	74267.0	0.182	Y
3	IC 410-518132/15	87.5	16.39351	50.0	85360.0	0.187354	Y
4	IC 410-518132/16	175.0	38.964928	50.0	83656.0	0.222657	Y
5	IC 410-518132/17	437.5	105.355438	50.0	92196.0	0.240812	Y
6	ICIS 410-518132/18	875.0	246.592716	50.0	89294.0	0.28182	Y
7	IC 410-518132/19	2187.5	636.359424	50.0	98185.0	0.290907	Y



Calibration

/ Trichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

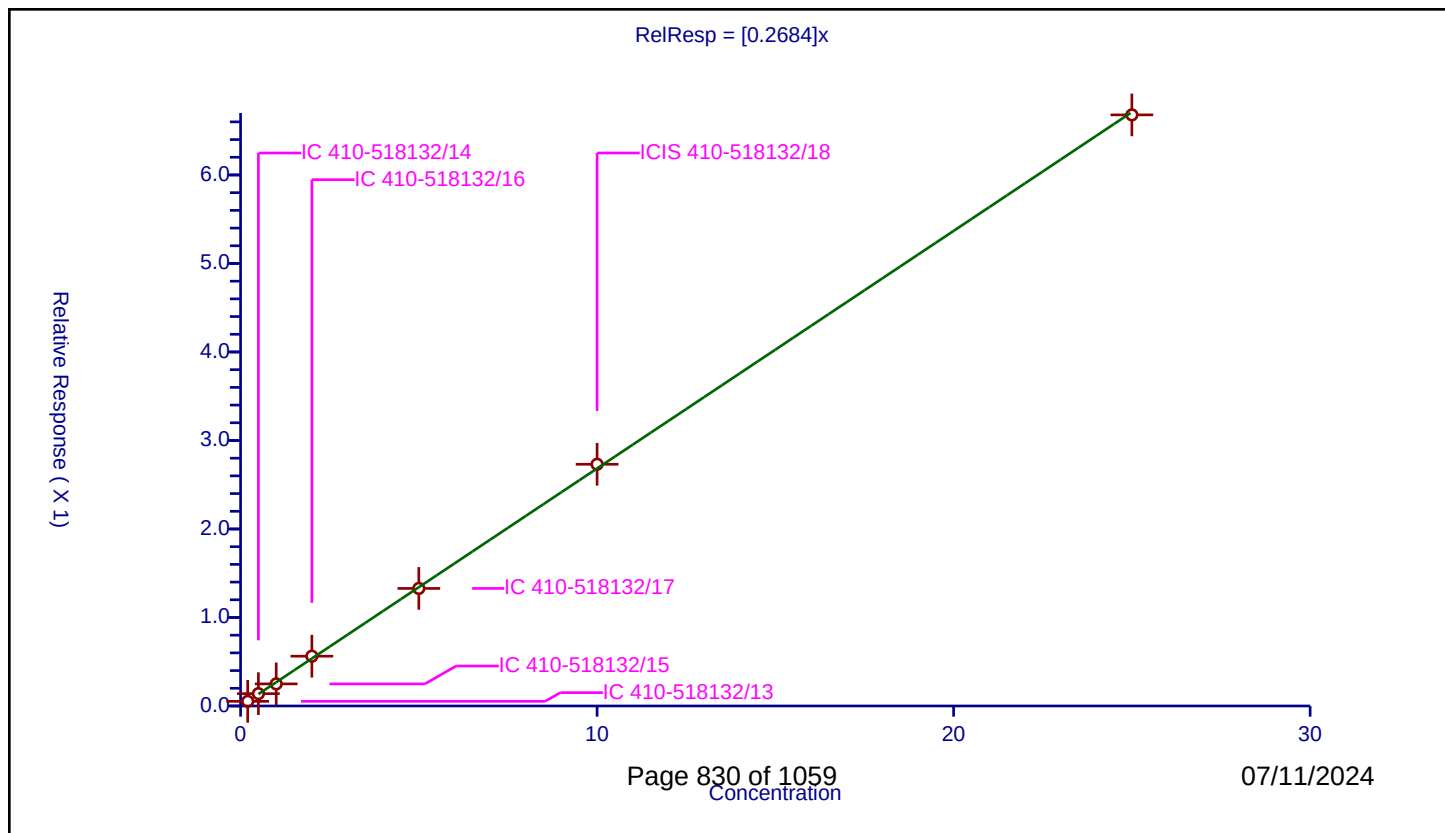
Curve Coefficients

Intercept: 0
Slope: 0.2684

Error Coefficients

Relative Standard Deviation: 4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.052706	10.0	1913642.0	0.263529	Y
2	IC 410-518132/14	0.5	0.139212	10.0	1810978.0	0.278424	Y
3	IC 410-518132/15	1.0	0.249547	10.0	1938794.0	0.249547	Y
4	IC 410-518132/16	2.0	0.562733	10.0	1835862.0	0.281366	Y
5	IC 410-518132/17	5.0	1.328315	10.0	1923745.0	0.265663	Y
6	ICIS 410-518132/18	10.0	2.731317	10.0	1939200.0	0.273132	Y
7	IC 410-518132/19	25.0	6.678914	10.0	2159303.0	0.267157	Y



Calibration

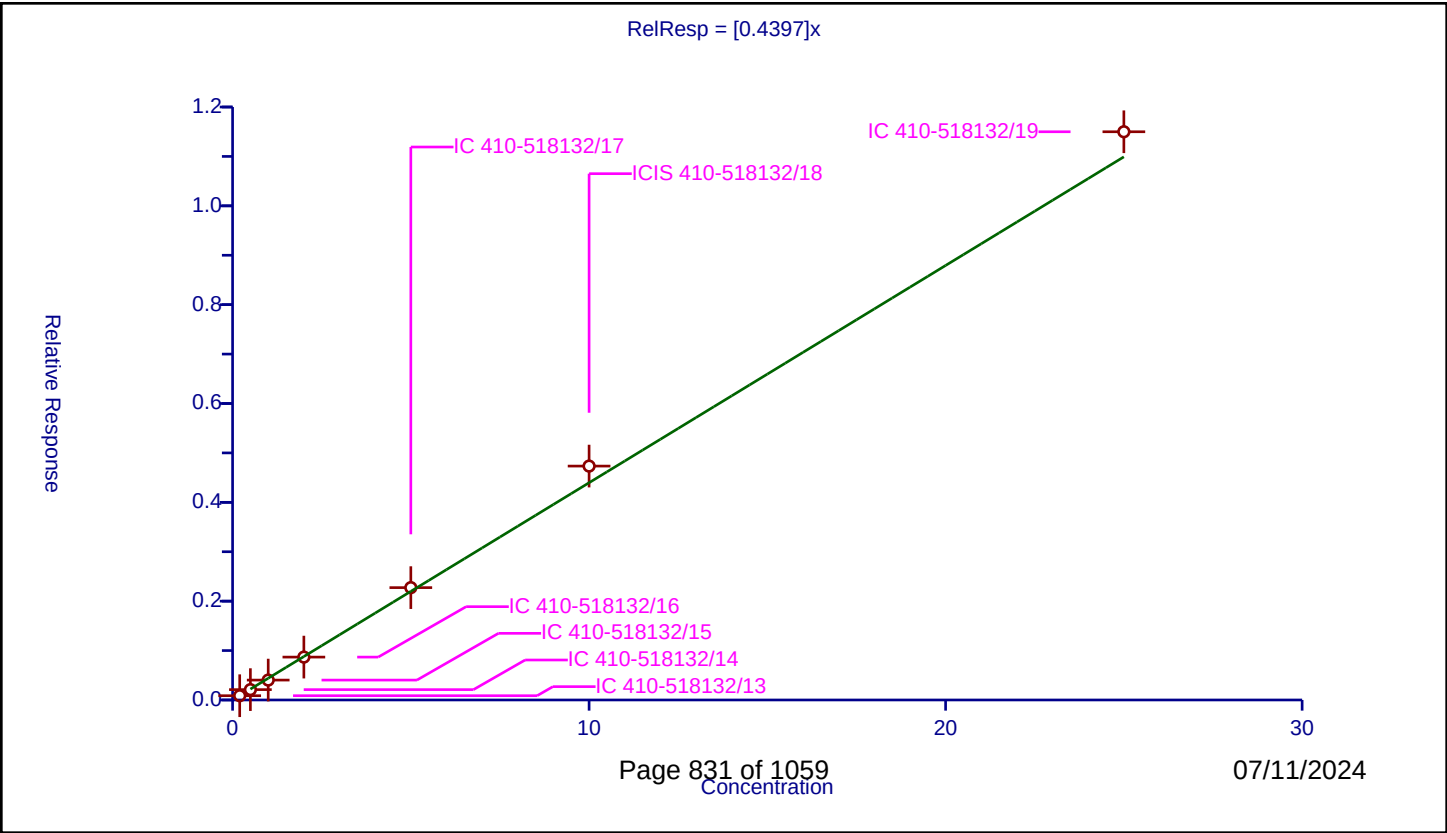
/ Methylcyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4397
Error Coefficients	

Relative Standard Deviation: 5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.086699	10.0	1913642.0	0.433493	Y
2	IC 410-518132/14	0.5	0.209566	10.0	1810978.0	0.419133	Y
3	IC 410-518132/15	1.0	0.402952	10.0	1938794.0	0.402952	Y
4	IC 410-518132/16	2.0	0.868001	10.0	1835862.0	0.434	Y
5	IC 410-518132/17	5.0	2.27356	10.0	1923745.0	0.454712	Y
6	ICIS 410-518132/18	10.0	4.733452	10.0	1939200.0	0.473345	Y
7	IC 410-518132/19	25.0	11.499229	10.0	2159303.0	0.459969	Y



Calibration

/ 1,2-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

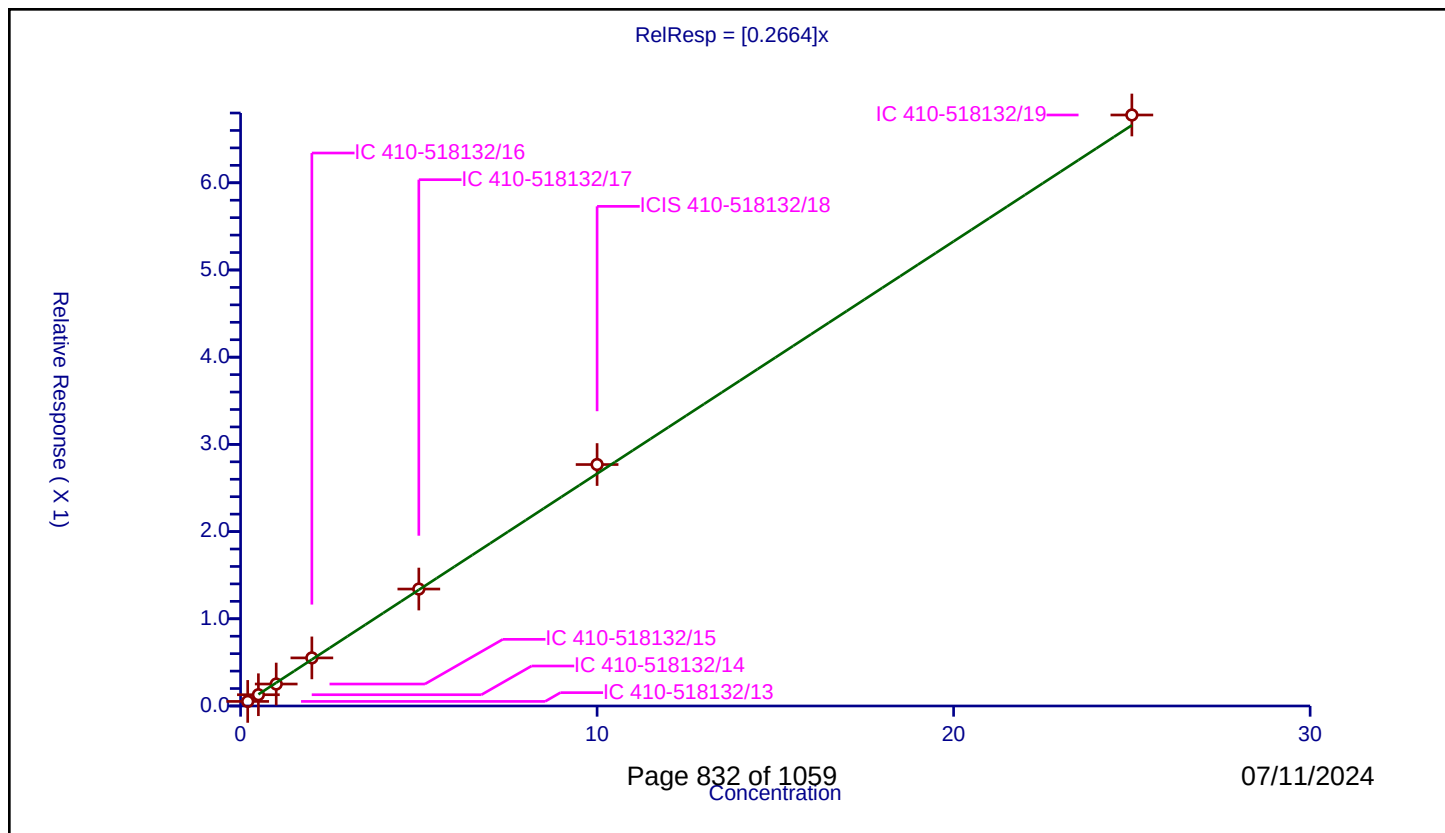
Curve Coefficients

Intercept: 0
Slope: 0.2664

Error Coefficients

Relative Standard Deviation: 3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.052497	10.0	1913642.0	0.262484	Y
2	IC 410-518132/14	0.5	0.129162	10.0	1810978.0	0.258325	Y
3	IC 410-518132/15	1.0	0.251945	10.0	1938794.0	0.251945	Y
4	IC 410-518132/16	2.0	0.551474	10.0	1835862.0	0.275737	Y
5	IC 410-518132/17	5.0	1.341238	10.0	1923745.0	0.268248	Y
6	ICIS 410-518132/18	10.0	2.769023	10.0	1939200.0	0.276902	Y
7	IC 410-518132/19	25.0	6.777321	10.0	2159303.0	0.271093	Y



Calibration

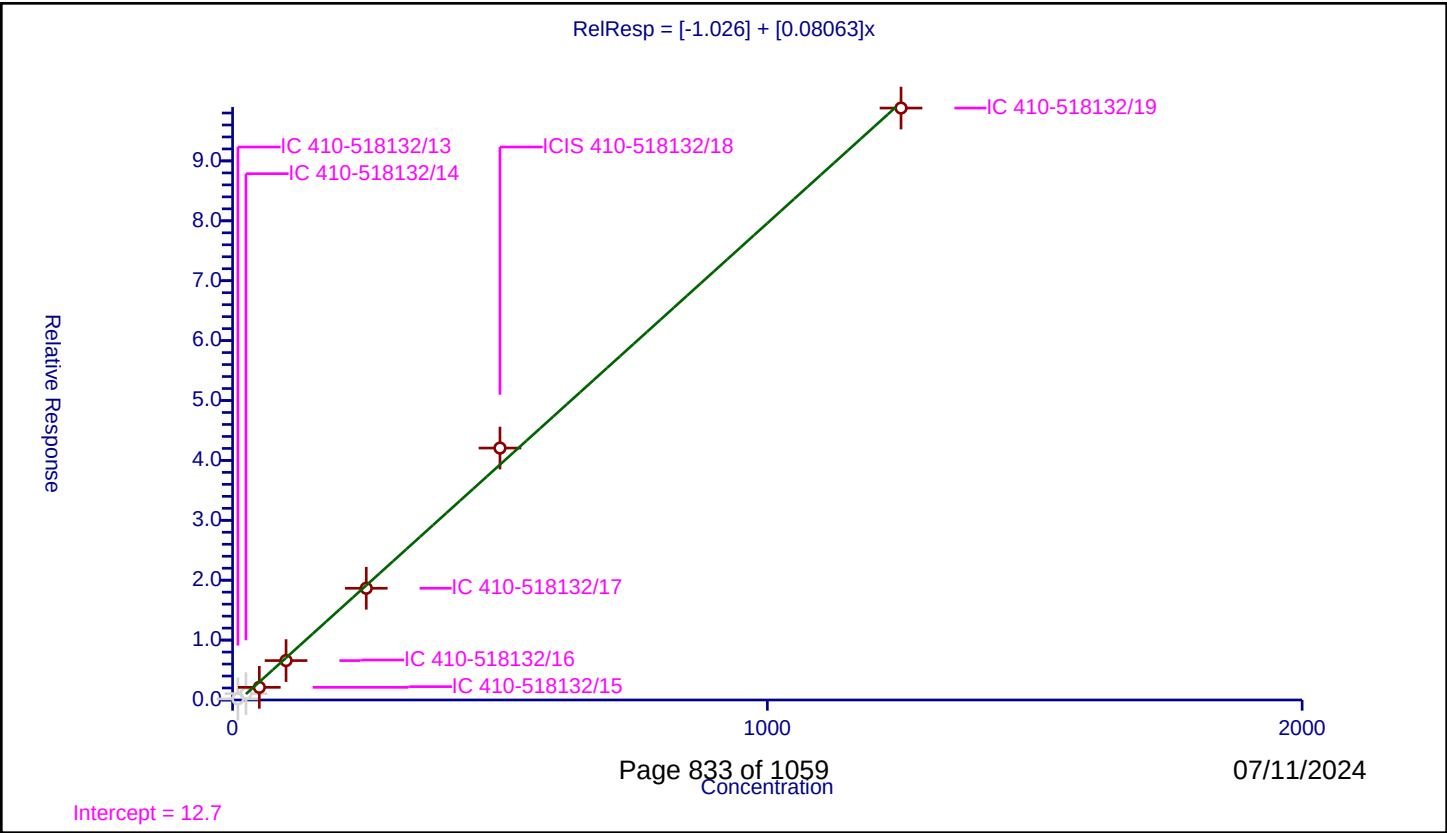
/ 1,4-Dioxane

Curve Type: Linear
Weighting: None
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	-1.026
Slope:	0.08063
Error Coefficients	

Relative Standard Deviation: 13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	10.0	0.183519	50.0	88819.0	0.018352	N
2	IC 410-518132/14	25.0	1.068442	50.0	74267.0	0.042738	N
3	IC 410-518132/15	50.0	2.112231	50.0	85360.0	0.042245	Y
4	IC 410-518132/16	100.0	6.578727	50.0	83656.0	0.065787	Y
5	IC 410-518132/17	250.0	18.653738	50.0	92196.0	0.074615	Y
6	ICIS 410-518132/18	500.0	42.062737	50.0	89294.0	0.084125	Y
7	IC 410-518132/19	1250.0	98.826705	50.0	98185.0	0.079061	Y



Calibration

/ Methyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

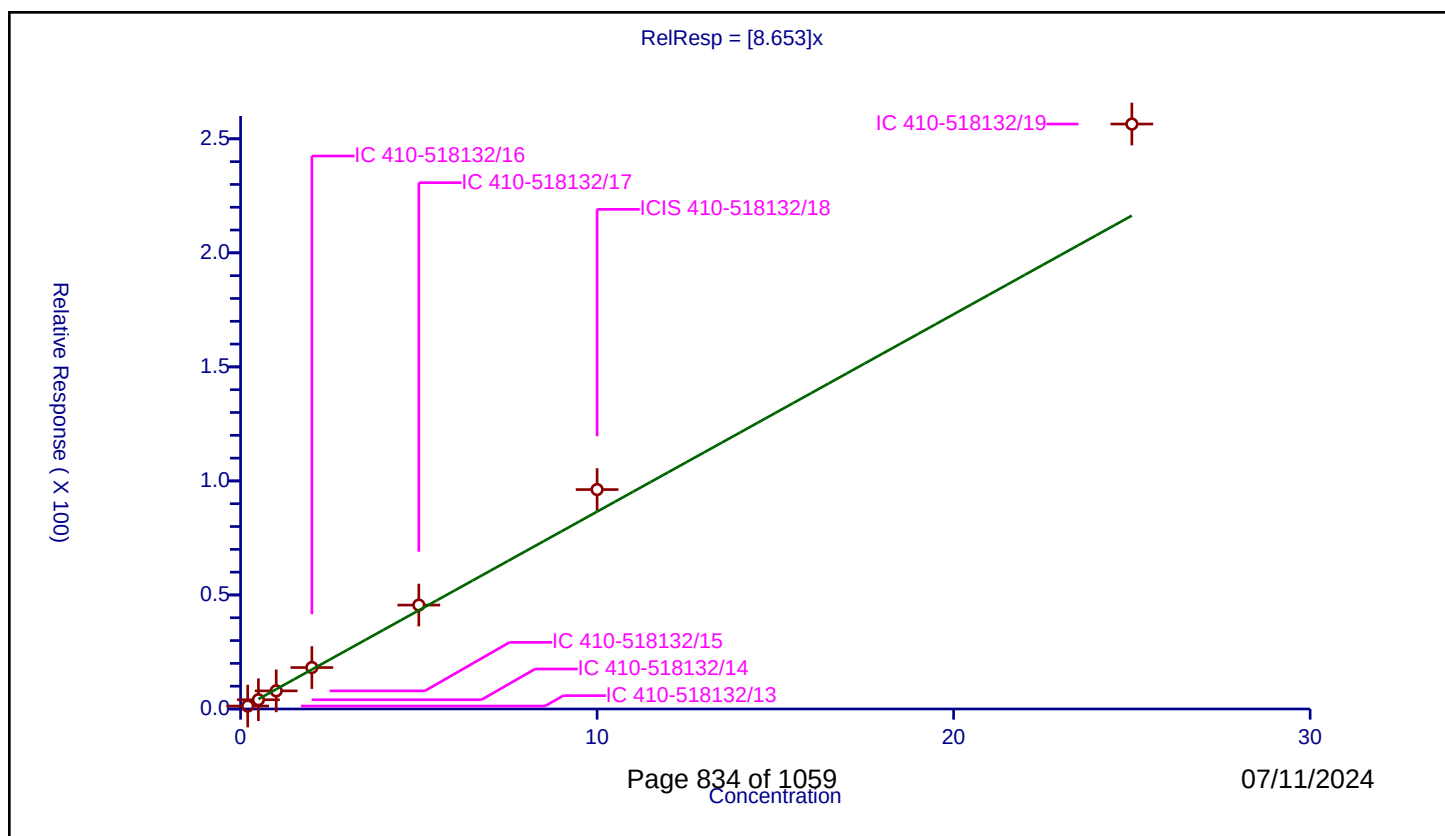
Curve Coefficients

Intercept: 0
Slope: 8.653

Error Coefficients

Relative Standard Deviation: 14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	1.290827	50.0	88819.0	6.454137	Y
2	IC 410-518132/14	0.5	4.047558	50.0	74267.0	8.095116	Y
3	IC 410-518132/15	1.0	7.94283	50.0	85360.0	7.94283	Y
4	IC 410-518132/16	2.0	18.175026	50.0	83656.0	9.087513	Y
5	IC 410-518132/17	5.0	45.562172	50.0	92196.0	9.112434	Y
6	ICIS 410-518132/18	10.0	96.214191	50.0	89294.0	9.621419	Y
7	IC 410-518132/19	25.0	256.476549	50.0	98185.0	10.259062	Y



Calibration

/ Dibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

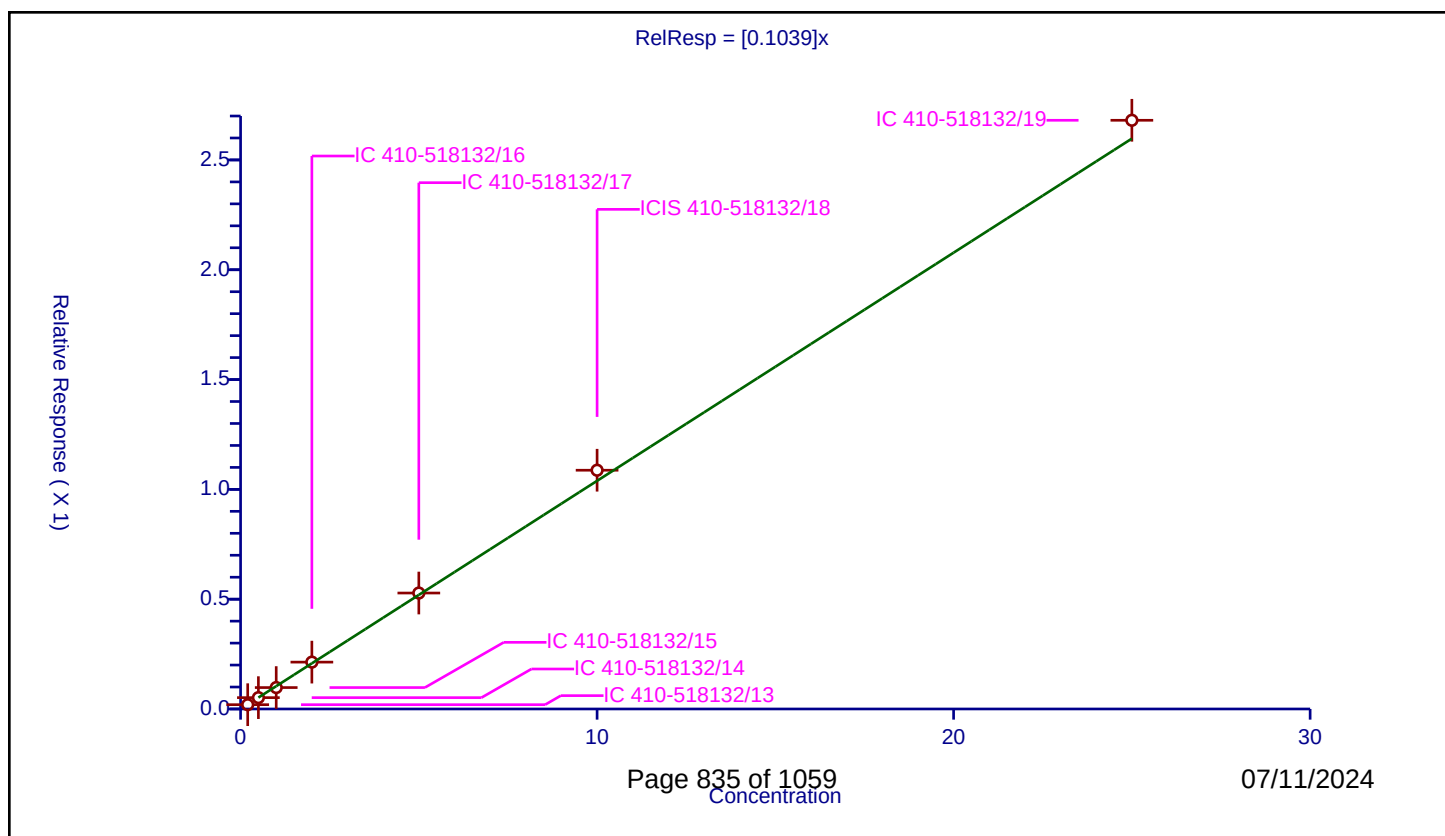
Curve Coefficients

Intercept: 0
Slope: 0.1039

Error Coefficients

Relative Standard Deviation: 4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.019638	10.0	1913642.0	0.09819	Y
2	IC 410-518132/14	0.5	0.051619	10.0	1810978.0	0.103237	Y
3	IC 410-518132/15	1.0	0.097571	10.0	1938794.0	0.097571	Y
4	IC 410-518132/16	2.0	0.213344	10.0	1835862.0	0.106672	Y
5	IC 410-518132/17	5.0	0.527996	10.0	1923745.0	0.105599	Y
6	ICIS 410-518132/18	10.0	1.087196	10.0	1939200.0	0.10872	Y
7	IC 410-518132/19	25.0	2.680536	10.0	2159303.0	0.107221	Y



Calibration

/ Dichlorobromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

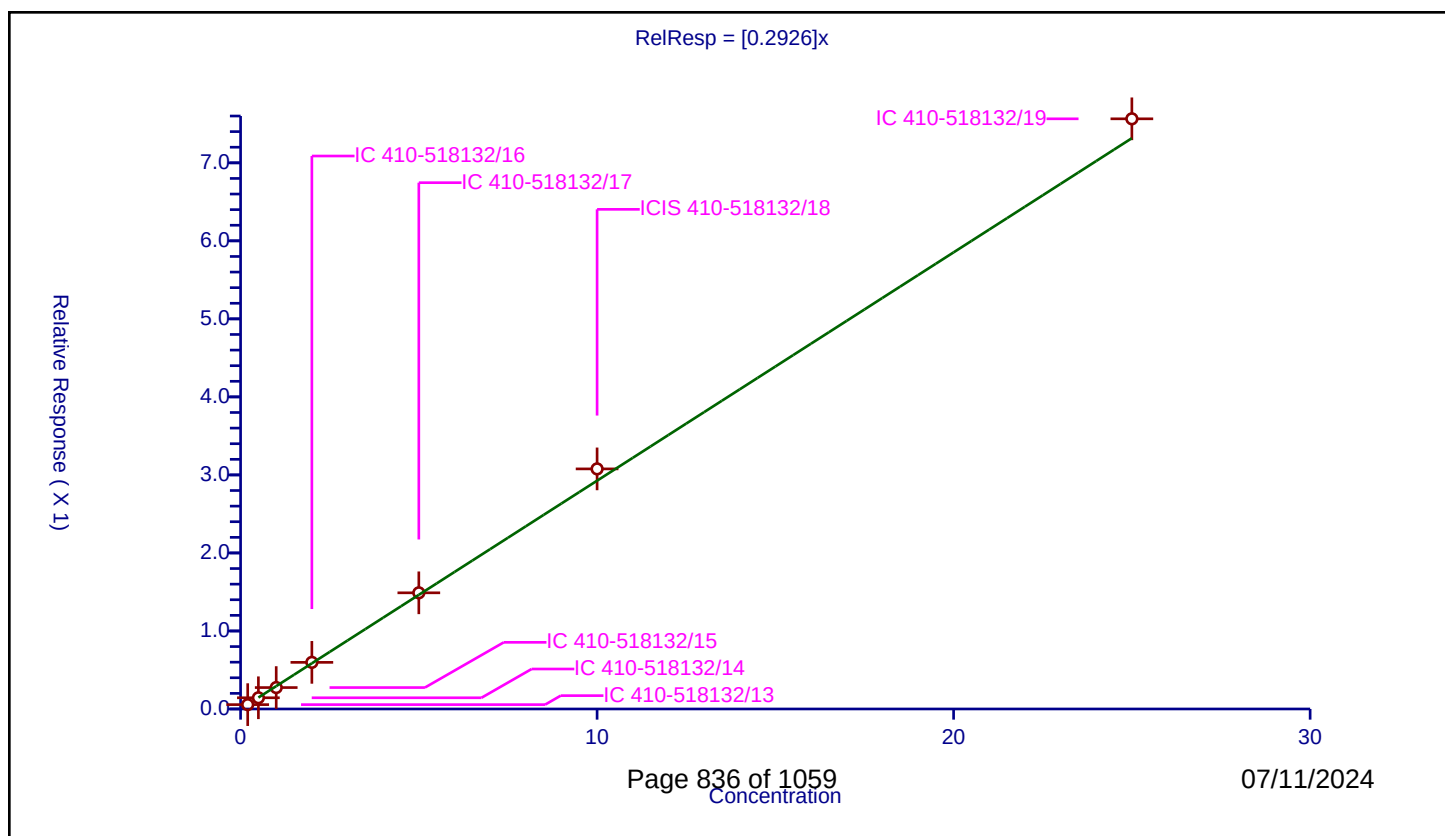
Curve Coefficients

Intercept: 0
 Slope: 0.2926

Error Coefficients

Relative Standard Deviation: 4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.055899	10.0	1913642.0	0.279493	Y
2	IC 410-518132/14	0.5	0.143679	10.0	1810978.0	0.287359	Y
3	IC 410-518132/15	1.0	0.274645	10.0	1938794.0	0.274645	Y
4	IC 410-518132/16	2.0	0.597594	10.0	1835862.0	0.298797	Y
5	IC 410-518132/17	5.0	1.488825	10.0	1923745.0	0.297765	Y
6	ICIS 410-518132/18	10.0	3.077254	10.0	1939200.0	0.307725	Y
7	IC 410-518132/19	25.0	7.564182	10.0	2159303.0	0.302567	Y



Calibration

/ 2-Nitropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

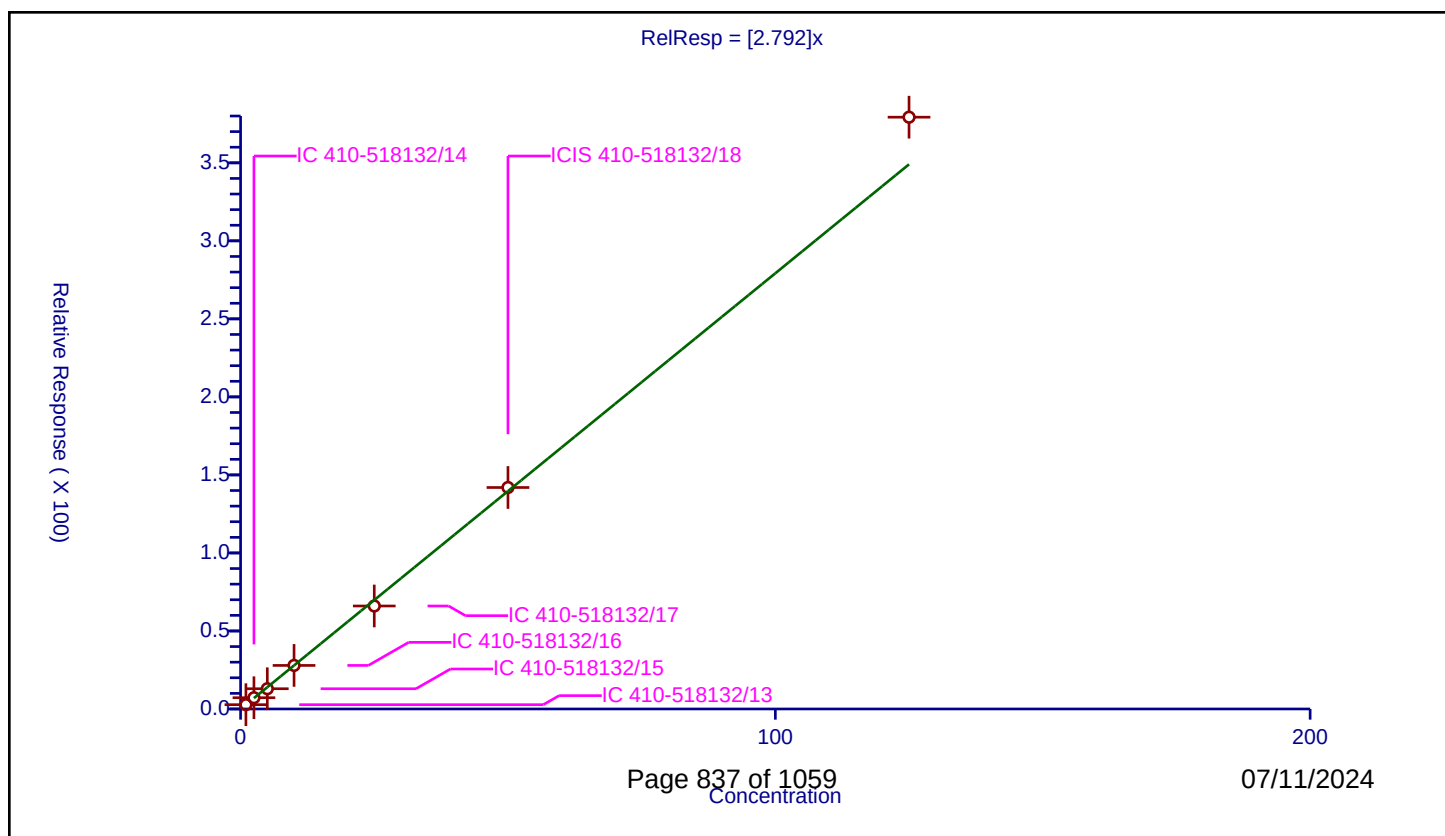
Curve Coefficients

Intercept: 0
Slope: 2.792

Error Coefficients

Relative Standard Deviation: 5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	1.0	2.760108	50.0	88819.0	2.760108	Y
2	IC 410-518132/14	2.5	7.21653	50.0	74267.0	2.886612	Y
3	IC 410-518132/15	5.0	12.976218	50.0	85360.0	2.595244	Y
4	IC 410-518132/16	10.0	27.911327	50.0	83656.0	2.791133	Y
5	IC 410-518132/17	25.0	66.005575	50.0	92196.0	2.640223	Y
6	ICIS 410-518132/18	50.0	141.935628	50.0	89294.0	2.838713	Y
7	IC 410-518132/19	125.0	379.249885	50.0	98185.0	3.033999	Y



Calibration

/ 1-Bromo-2-chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

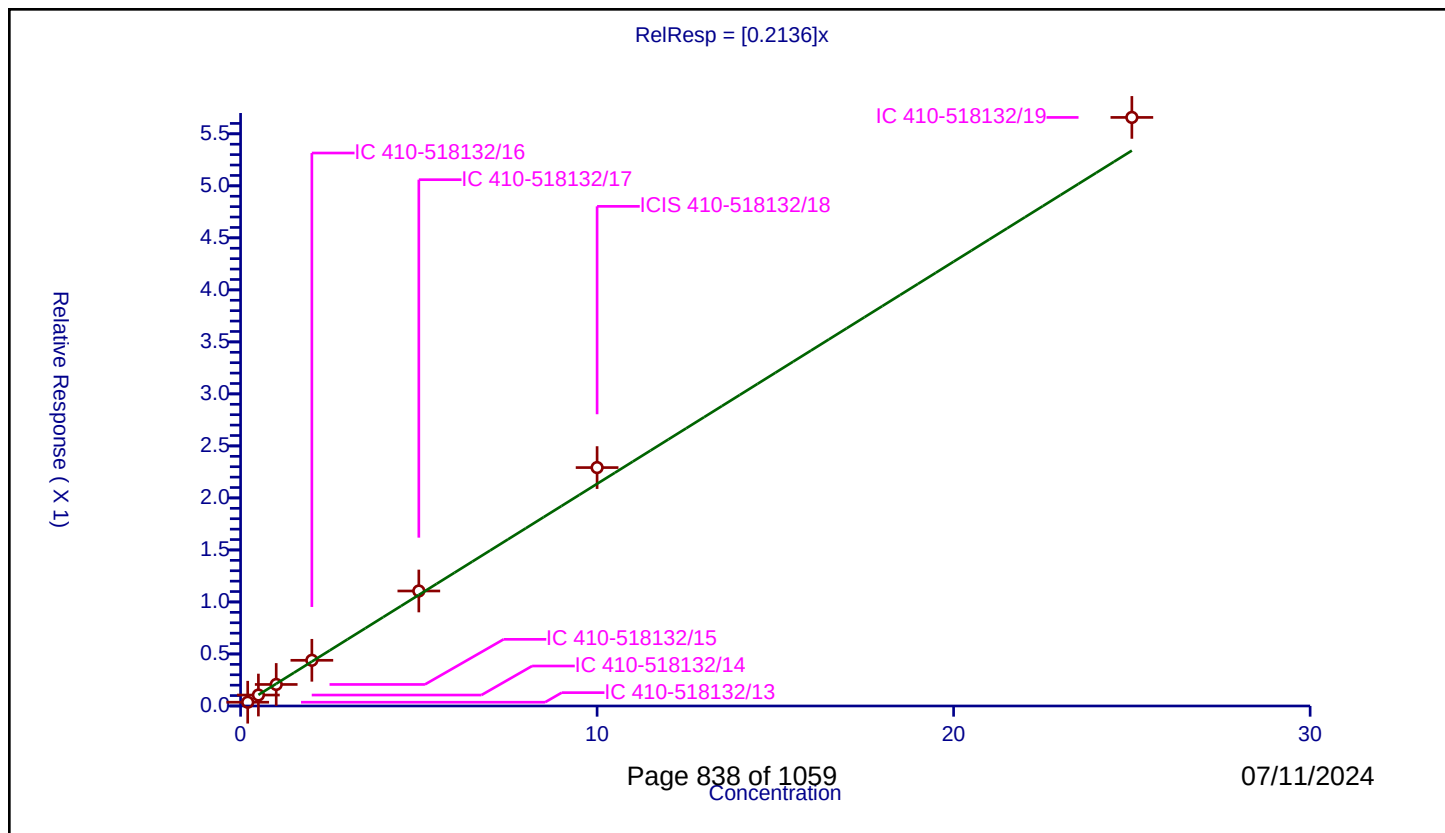
Curve Coefficients

Intercept: 0
Slope: 0.2136

Error Coefficients

Relative Standard Deviation: 7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.036266	10.0	1913642.0	0.18133	Y
2	IC 410-518132/14	0.5	0.105219	10.0	1810978.0	0.210439	Y
3	IC 410-518132/15	1.0	0.206953	10.0	1938794.0	0.206953	Y
4	IC 410-518132/16	2.0	0.439134	10.0	1835862.0	0.219567	Y
5	IC 410-518132/17	5.0	1.10549	10.0	1923745.0	0.221098	Y
6	ICIS 410-518132/18	10.0	2.291801	10.0	1939200.0	0.22918	Y
7	IC 410-518132/19	25.0	5.657594	10.0	2159303.0	0.226304	Y



Calibration

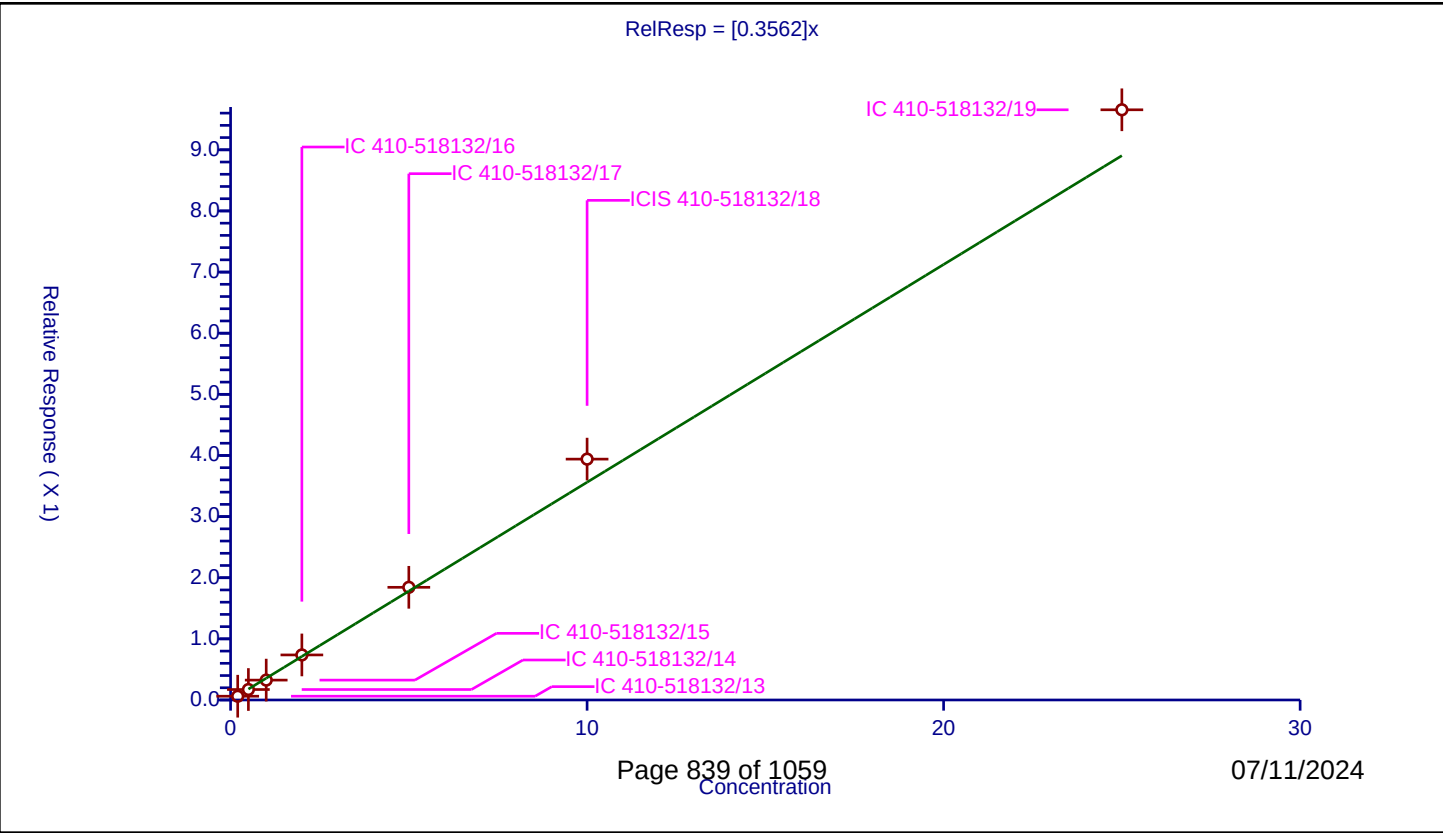
/ cis-1,3-Dichloropropene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3562
Error Coefficients	

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.061626	10.0	1913642.0	0.30813	Y
2	IC 410-518132/14	0.5	0.171173	10.0	1810978.0	0.342345	Y
3	IC 410-518132/15	1.0	0.325414	10.0	1938794.0	0.325414	Y
4	IC 410-518132/16	2.0	0.737022	10.0	1835862.0	0.368511	Y
5	IC 410-518132/17	5.0	1.843337	10.0	1923745.0	0.368667	Y
6	ICIS 410-518132/18	10.0	3.940068	10.0	1939200.0	0.394007	Y
7	IC 410-518132/19	25.0	9.654773	10.0	2159303.0	0.386191	Y



Calibration

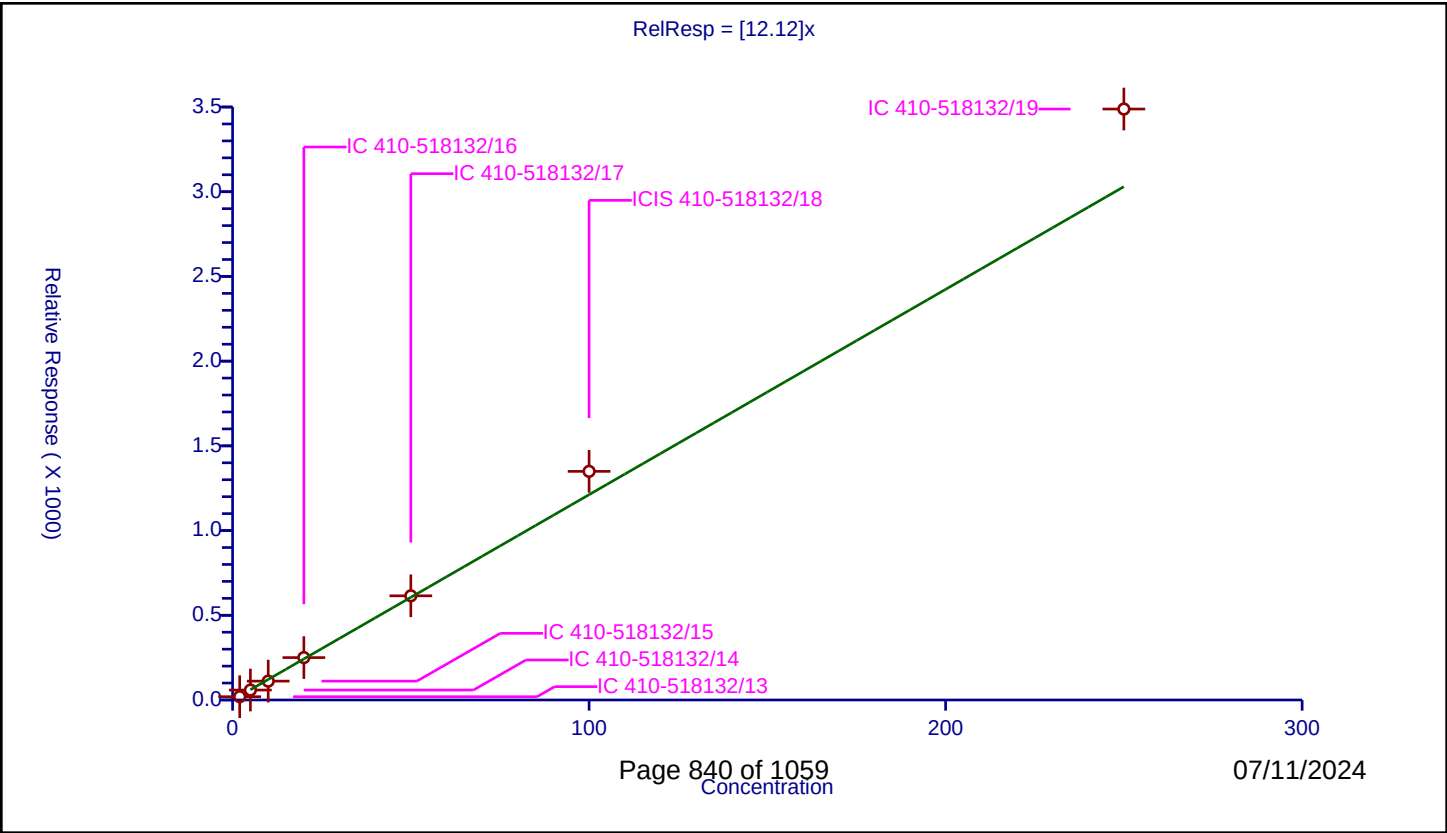
/ 4-Methyl-2-pentanone (MIBK)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	12.12

Error Coefficients	
Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	2.0	19.453608	50.0	88819.0	9.726804	Y
2	IC 410-518132/14	5.0	58.594665	50.0	74267.0	11.718933	Y
3	IC 410-518132/15	10.0	111.298032	50.0	85360.0	11.129803	Y
4	IC 410-518132/16	20.0	250.226523	50.0	83656.0	12.511326	Y
5	IC 410-518132/17	50.0	614.840666	50.0	92196.0	12.296813	Y
6	ICIS 410-518132/18	100.0	1349.393576	50.0	89294.0	13.493936	Y
7	IC 410-518132/19	250.0	3487.984417	50.0	98185.0	13.951938	Y



Calibration

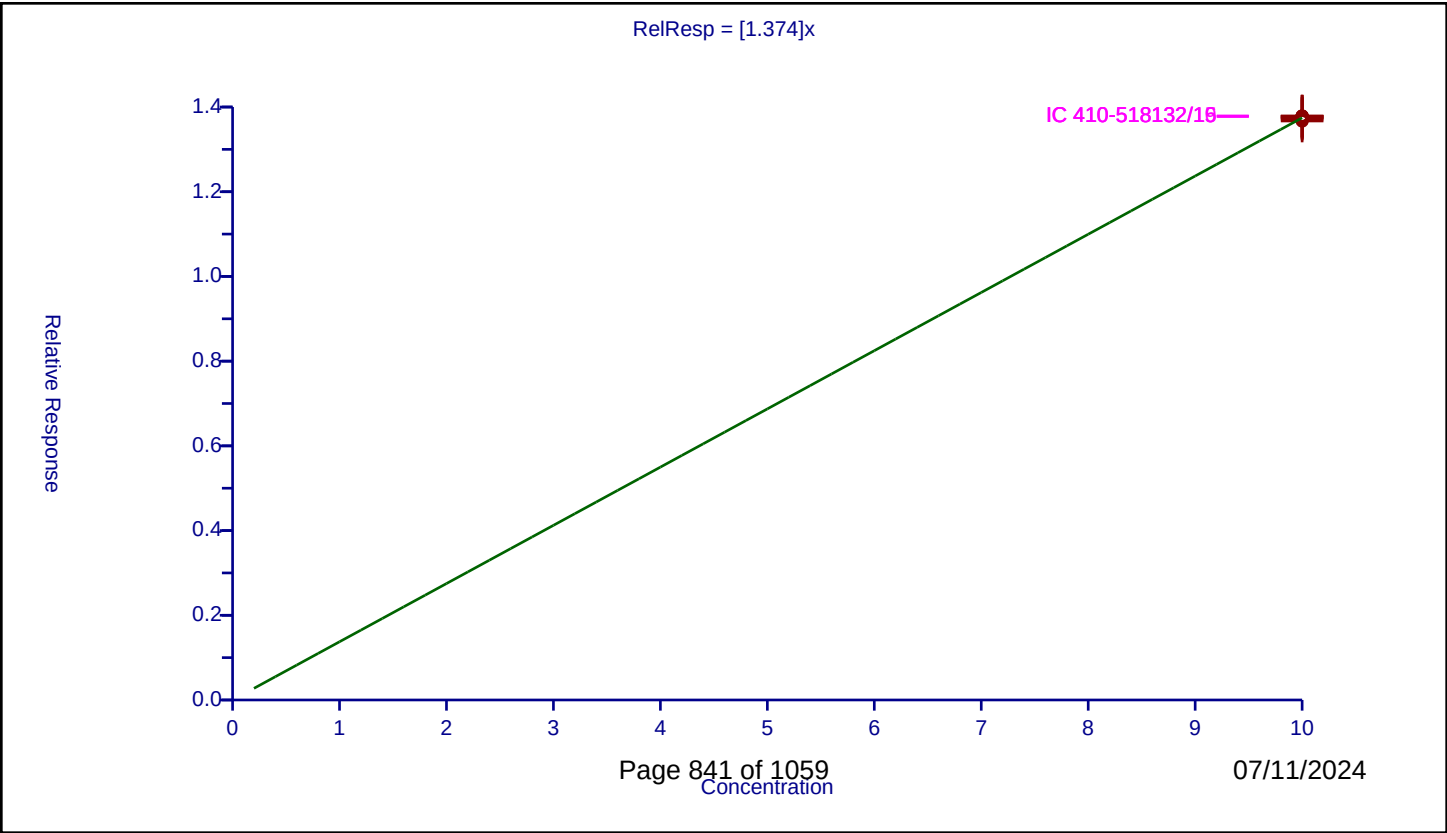
/ Toluene-d8 (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.374

Error Coefficients	
Relative Standard Deviation:	0.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	10.0	13.744322	10.0	1373915.0	1.374432	Y
2	IC 410-518132/14	10.0	13.714332	10.0	1301763.0	1.371433	Y
3	IC 410-518132/15	10.0	13.780227	10.0	1393321.0	1.378023	Y
4	IC 410-518132/16	10.0	13.78113	10.0	1324514.0	1.378113	Y
5	IC 410-518132/17	10.0	13.670212	10.0	1389928.0	1.367021	Y
6	ICIS 410-518132/18	10.0	13.735954	10.0	1391128.0	1.373595	Y
7	IC 410-518132/19	10.0	13.788458	10.0	1539769.0	1.378846	Y



Calibration

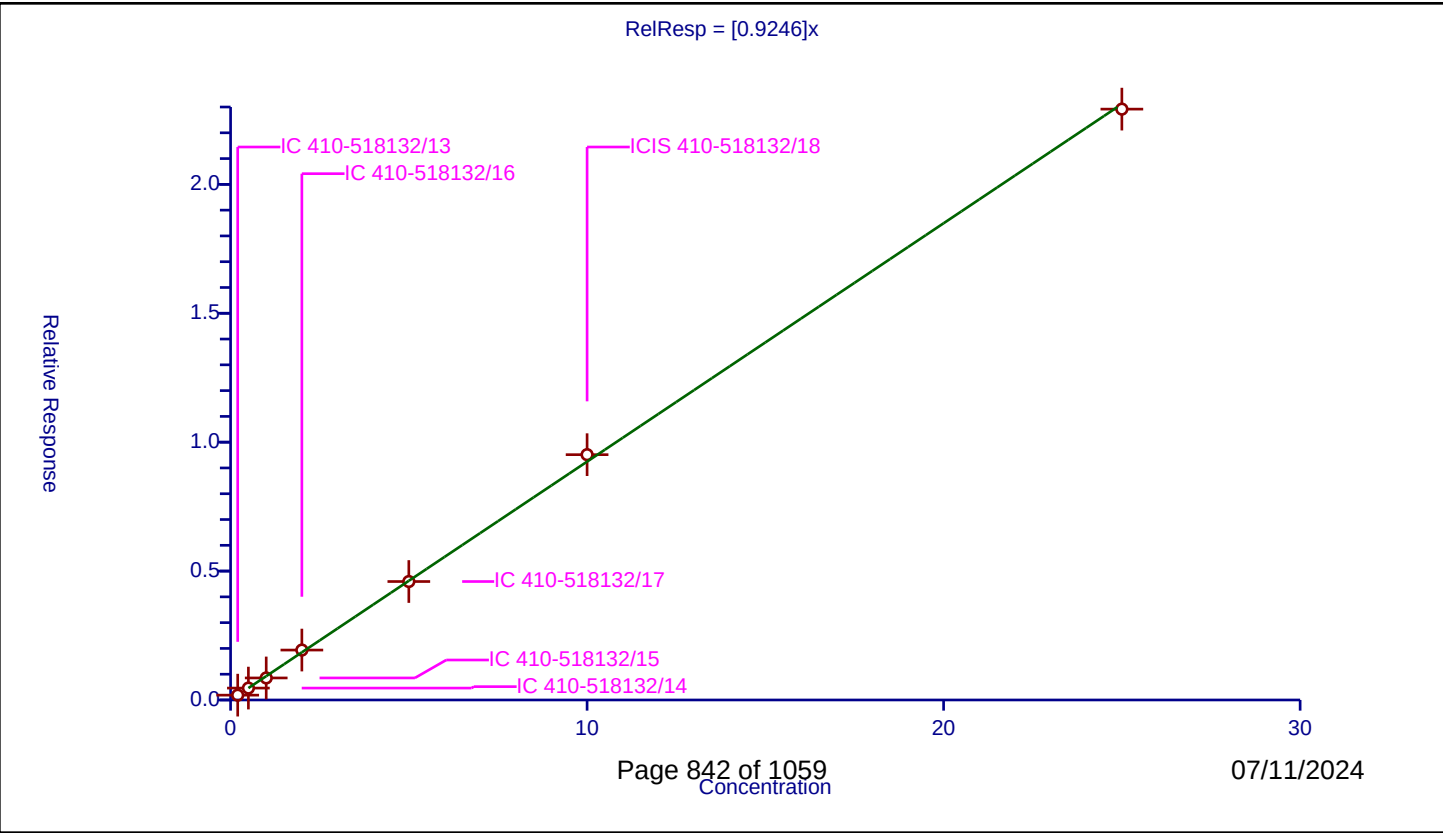
/ Toluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9246
Error Coefficients	

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.187624	10.0	1373915.0	0.938122	Y
2	IC 410-518132/14	0.5	0.461804	10.0	1301763.0	0.923609	Y
3	IC 410-518132/15	1.0	0.854706	10.0	1393321.0	0.854706	Y
4	IC 410-518132/16	2.0	1.936733	10.0	1324514.0	0.968367	Y
5	IC 410-518132/17	5.0	4.594634	10.0	1389928.0	0.918927	Y
6	ICIS 410-518132/18	10.0	9.51571	10.0	1391128.0	0.951571	Y
7	IC 410-518132/19	25.0	22.918386	10.0	1539769.0	0.916735	Y



Calibration

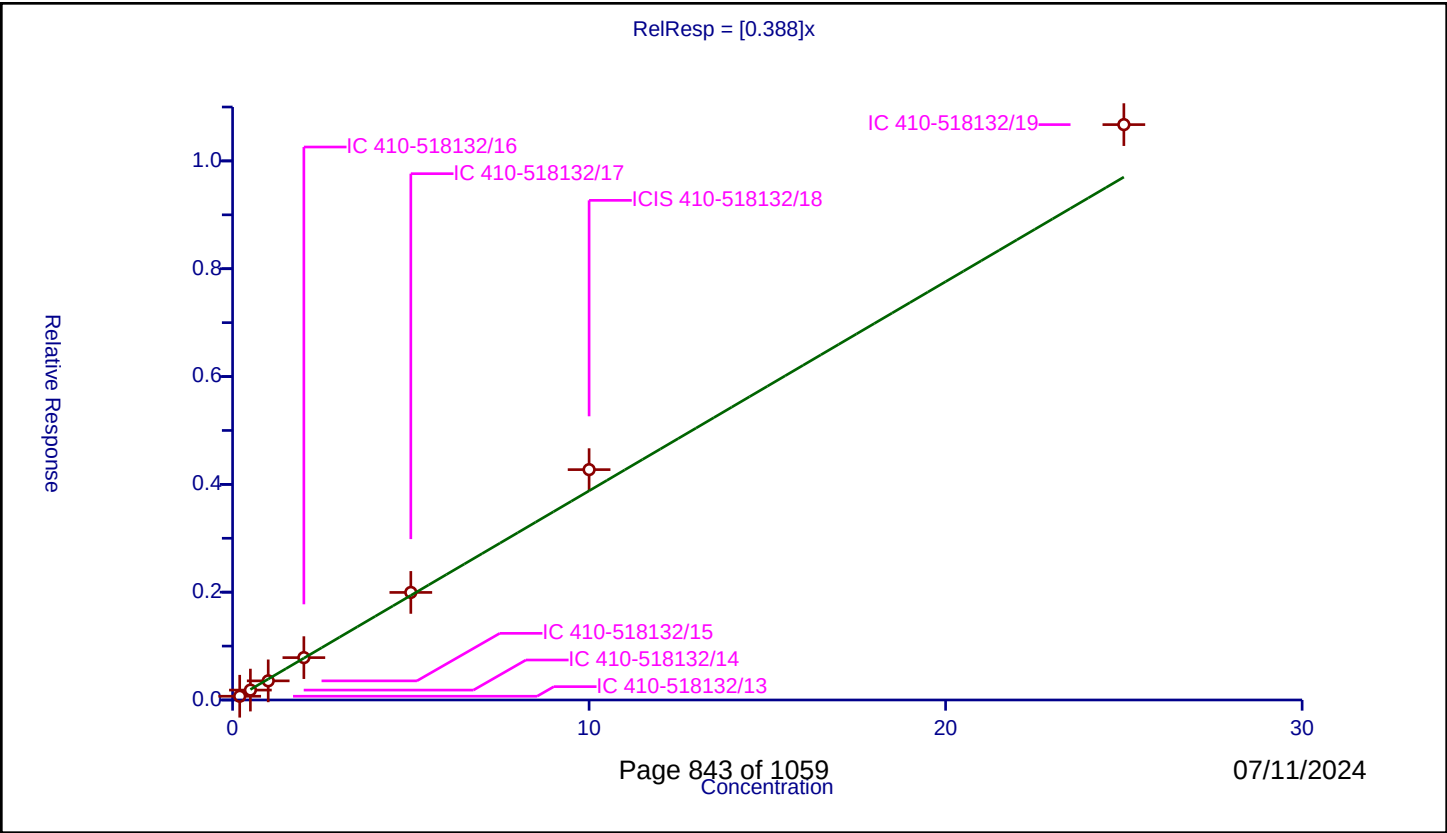
/ trans-1,3-Dichloropropene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.388
Error Coefficients	

Relative Standard Deviation: 8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.069386	10.0	1373915.0	0.346928	Y
2	IC 410-518132/14	0.5	0.183866	10.0	1301763.0	0.367732	Y
3	IC 410-518132/15	1.0	0.355065	10.0	1393321.0	0.355065	Y
4	IC 410-518132/16	2.0	0.786039	10.0	1324514.0	0.39302	Y
5	IC 410-518132/17	5.0	1.995413	10.0	1389928.0	0.399083	Y
6	ICIS 410-518132/18	10.0	4.273158	10.0	1391128.0	0.427316	Y
7	IC 410-518132/19	25.0	10.673465	10.0	1539769.0	0.426939	Y



Calibration

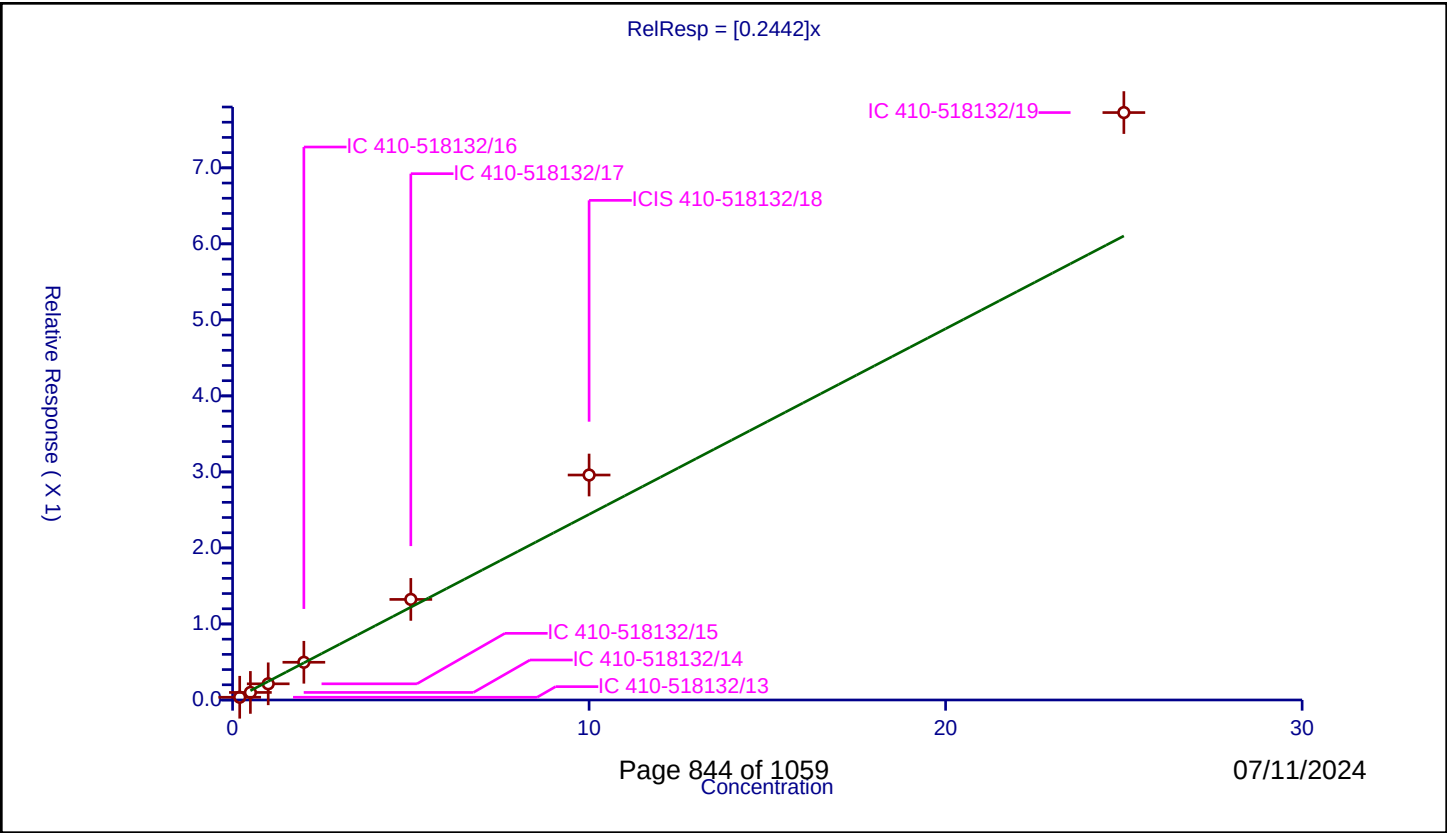
/ Ethyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2442
Error Coefficients	

Relative Standard Deviation: 20.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.035999	10.0	1373915.0	0.179997	Y
2	IC 410-518132/14	0.5	0.099411	10.0	1301763.0	0.198823	Y
3	IC 410-518132/15	1.0	0.212643	10.0	1393321.0	0.212643	Y
4	IC 410-518132/16	2.0	0.496205	10.0	1324514.0	0.248102	Y
5	IC 410-518132/17	5.0	1.322975	10.0	1389928.0	0.264595	Y
6	ICIS 410-518132/18	10.0	2.959232	10.0	1391128.0	0.295923	Y
7	IC 410-518132/19	25.0	7.727068	10.0	1539769.0	0.309083	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

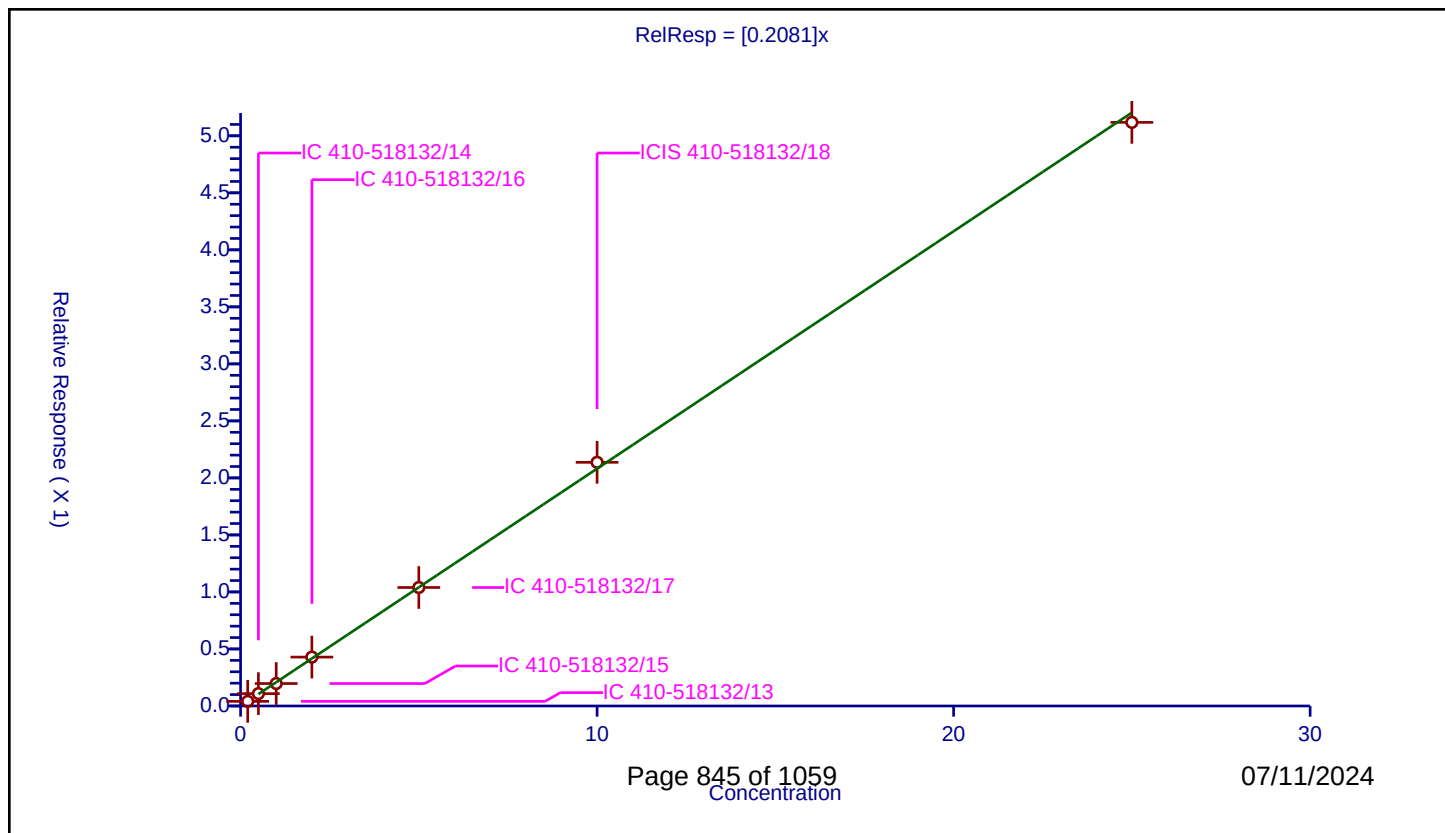
Curve Coefficients

Intercept: 0
Slope: 0.2081

Error Coefficients

Relative Standard Deviation: 3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.040505	10.0	1373915.0	0.202523	Y
2	IC 410-518132/14	0.5	0.108391	10.0	1301763.0	0.216783	Y
3	IC 410-518132/15	1.0	0.197054	10.0	1393321.0	0.197054	Y
4	IC 410-518132/16	2.0	0.428867	10.0	1324514.0	0.214433	Y
5	IC 410-518132/17	5.0	1.039032	10.0	1389928.0	0.207806	Y
6	ICIS 410-518132/18	10.0	2.136719	10.0	1391128.0	0.213672	Y
7	IC 410-518132/19	25.0	5.11793	10.0	1539769.0	0.204717	Y



Calibration

/ Tetrachloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

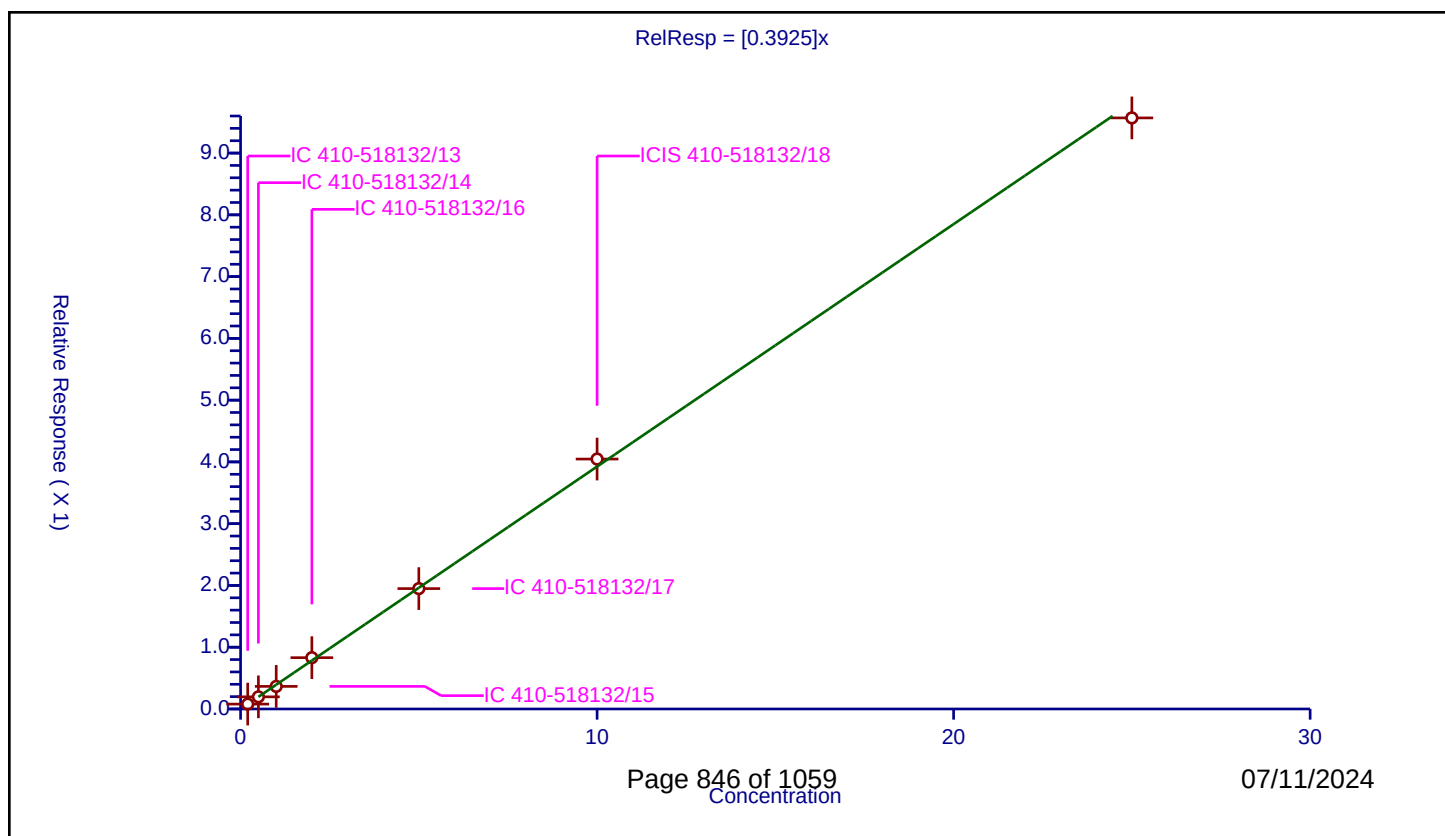
Curve Coefficients

Intercept: 0
Slope: 0.3925

Error Coefficients

Relative Standard Deviation: 4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.079182	10.0	1373915.0	0.395912	Y
2	IC 410-518132/14	0.5	0.196533	10.0	1301763.0	0.393067	Y
3	IC 410-518132/15	1.0	0.365831	10.0	1393321.0	0.365831	Y
4	IC 410-518132/16	2.0	0.830667	10.0	1324514.0	0.415333	Y
5	IC 410-518132/17	5.0	1.948885	10.0	1389928.0	0.389777	Y
6	ICIS 410-518132/18	10.0	4.046148	10.0	1391128.0	0.404615	Y
7	IC 410-518132/19	25.0	9.569513	10.0	1539769.0	0.382781	Y



Calibration

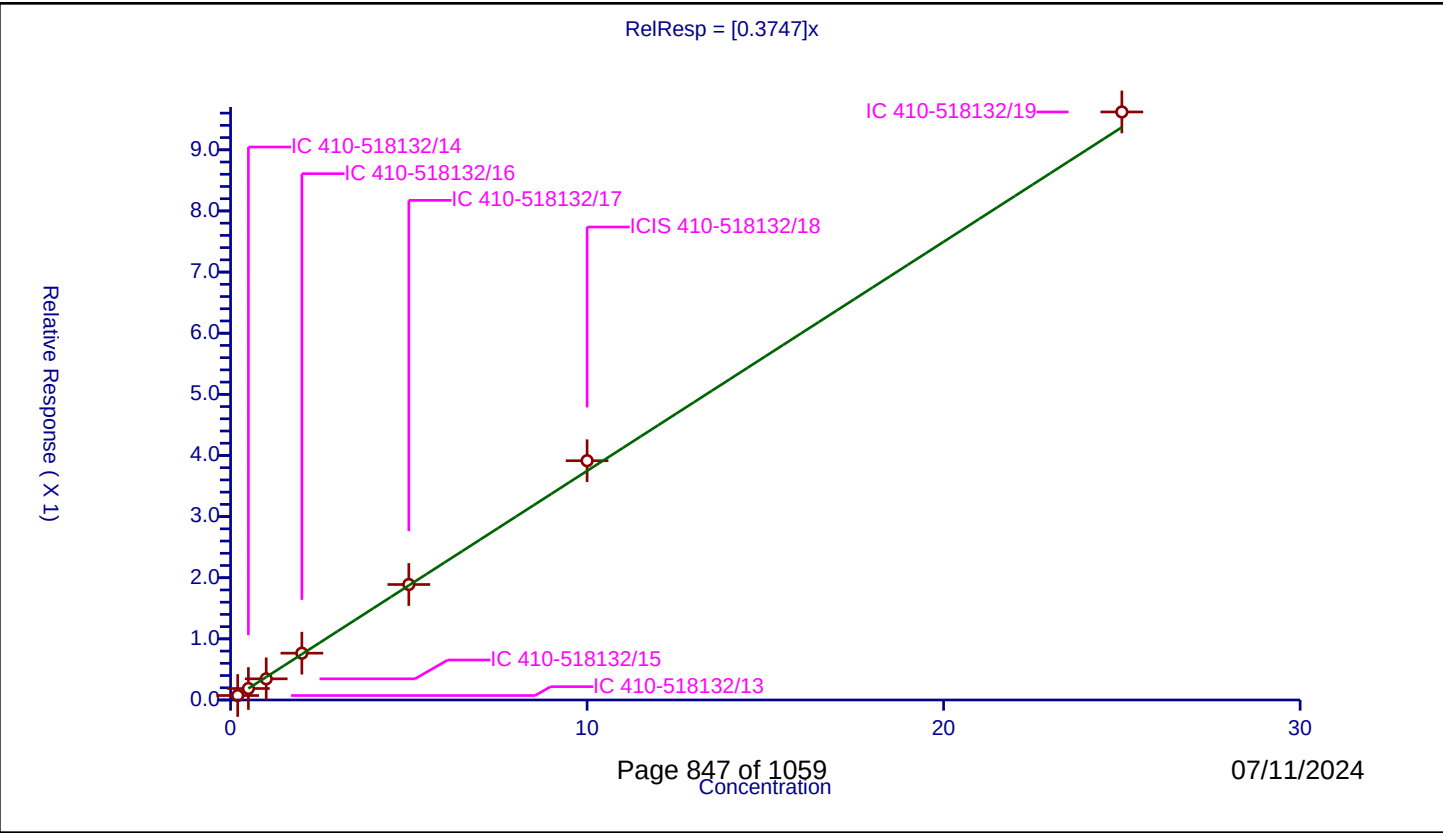
/ 1,3-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3747
Error Coefficients	

Relative Standard Deviation: 4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.072938	10.0	1373915.0	0.364688	Y
2	IC 410-518132/14	0.5	0.187799	10.0	1301763.0	0.375598	Y
3	IC 410-518132/15	1.0	0.346151	10.0	1393321.0	0.346151	Y
4	IC 410-518132/16	2.0	0.765564	10.0	1324514.0	0.382782	Y
5	IC 410-518132/17	5.0	1.889105	10.0	1389928.0	0.377821	Y
6	ICIS 410-518132/18	10.0	3.913896	10.0	1391128.0	0.39139	Y
7	IC 410-518132/19	25.0	9.619287	10.0	1539769.0	0.384771	Y

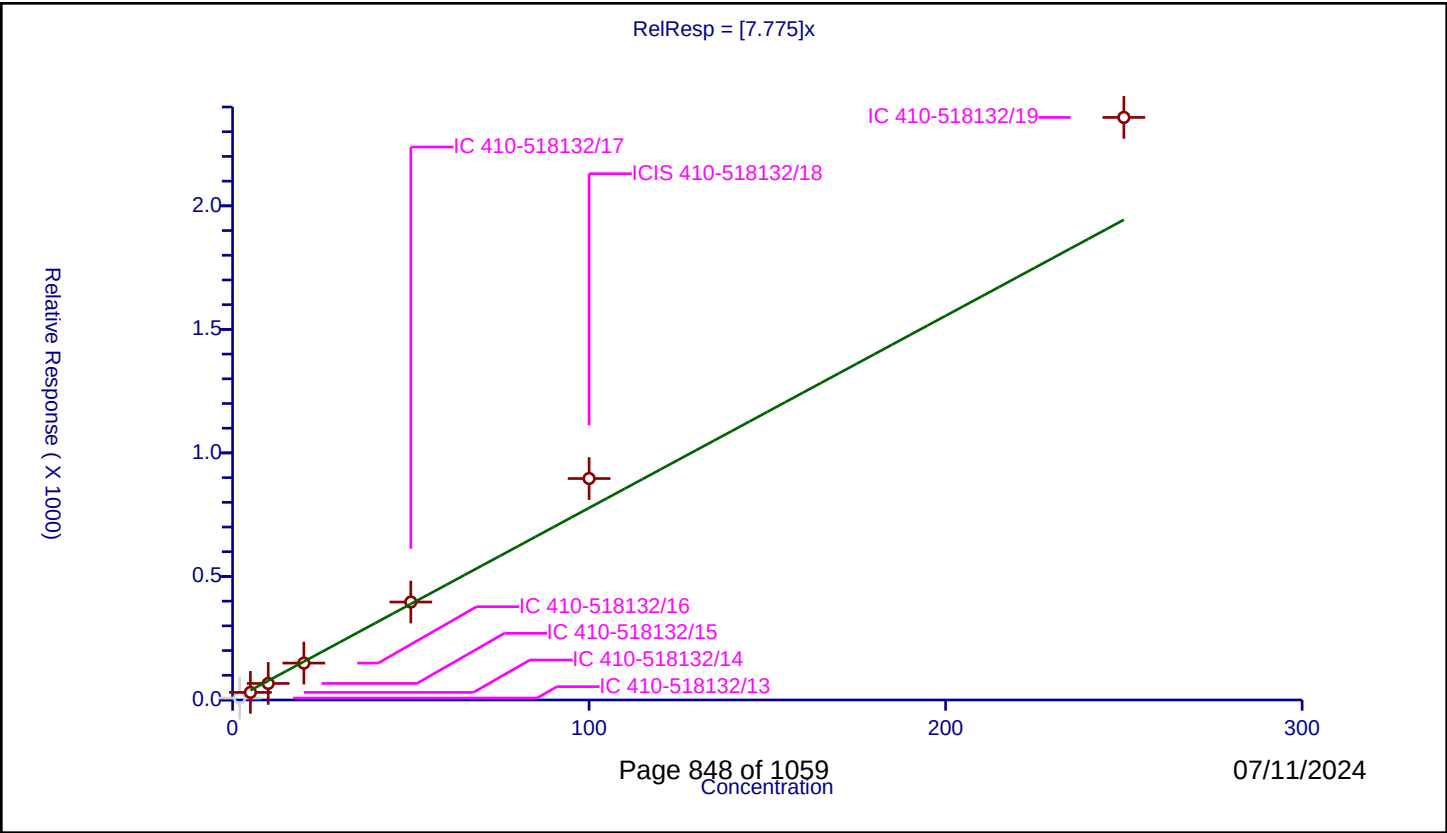


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	7.775

Error Coefficients	
Relative Standard Deviation:	16.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	2.0	7.978023	50.0	88819.0	3.989011	N
2	IC 410-518132/14	5.0	30.811801	50.0	74267.0	6.16236	Y
3	IC 410-518132/15	10.0	66.958763	50.0	85360.0	6.695876	Y
4	IC 410-518132/16	20.0	149.290547	50.0	83656.0	7.464527	Y
5	IC 410-518132/17	50.0	396.470563	50.0	92196.0	7.929411	Y
6	ICIS 410-518132/18	100.0	896.34018	50.0	89294.0	8.963402	Y
7	IC 410-518132/19	250.0	2357.878495	50.0	98185.0	9.431514	Y



Calibration

/ Chlorodibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

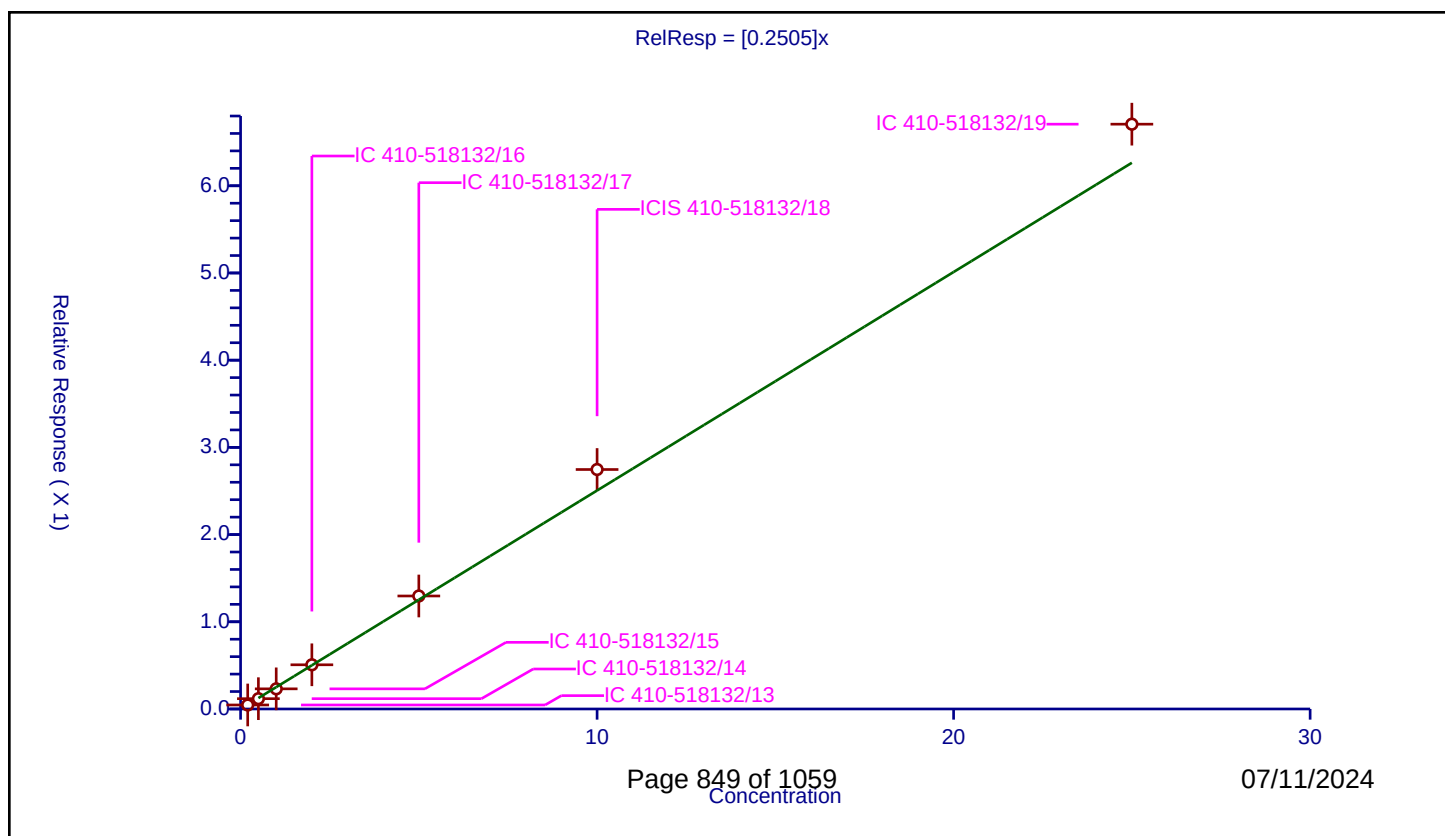
Curve Coefficients

Intercept: 0
Slope: 0.2505

Error Coefficients

Relative Standard Deviation: 7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.046124	10.0	1373915.0	0.230618	Y
2	IC 410-518132/14	0.5	0.118247	10.0	1301763.0	0.236495	Y
3	IC 410-518132/15	1.0	0.231153	10.0	1393321.0	0.231153	Y
4	IC 410-518132/16	2.0	0.507016	10.0	1324514.0	0.253508	Y
5	IC 410-518132/17	5.0	1.29583	10.0	1389928.0	0.259166	Y
6	ICIS 410-518132/18	10.0	2.746404	10.0	1391128.0	0.27464	Y
7	IC 410-518132/19	25.0	6.706545	10.0	1539769.0	0.268262	Y



Calibration

/ Ethylene Dibromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

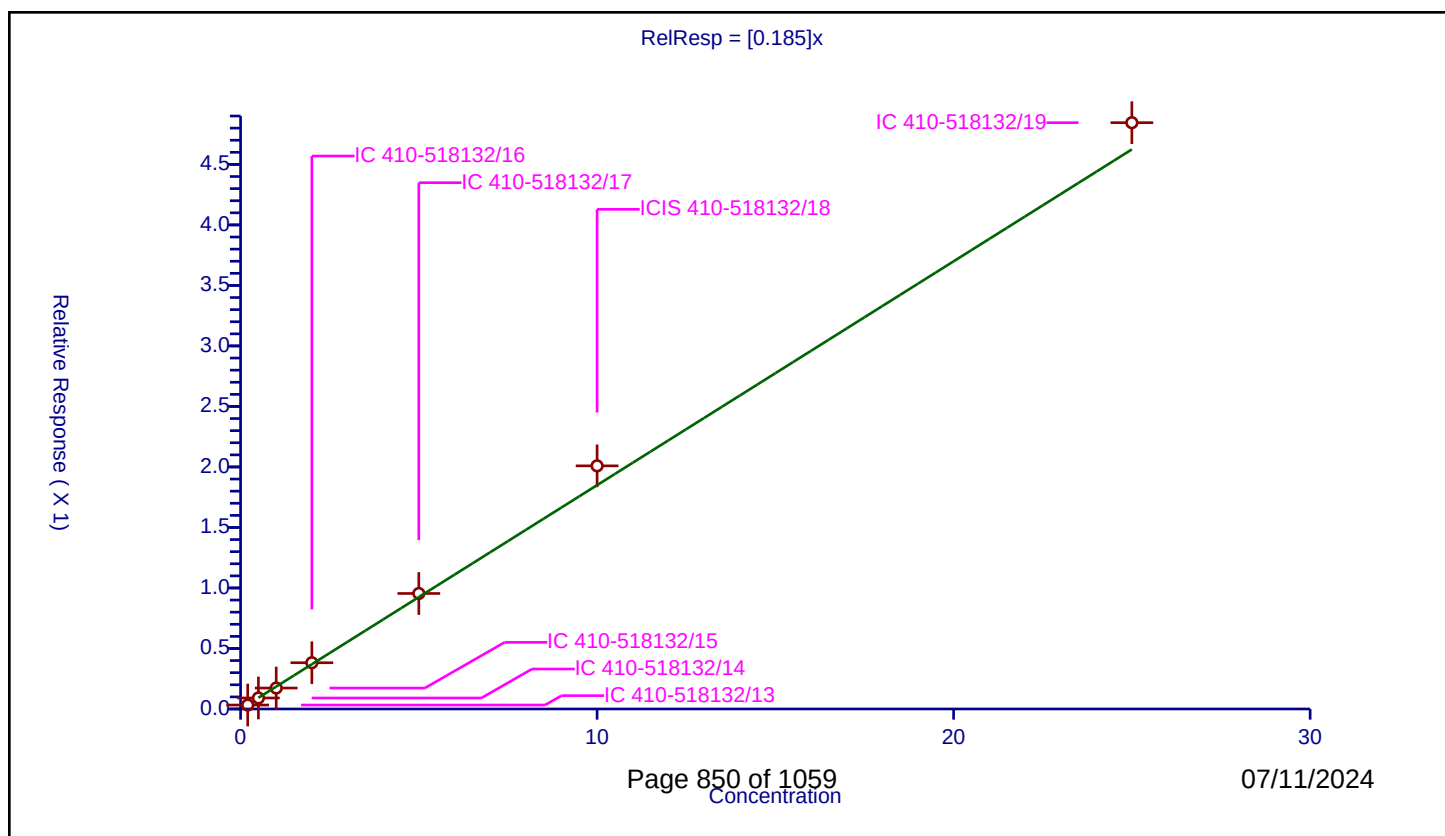
Curve Coefficients

Intercept: 0
Slope: 0.185

Error Coefficients

Relative Standard Deviation: 7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.032615	10.0	1373915.0	0.163074	Y
2	IC 410-518132/14	0.5	0.090938	10.0	1301763.0	0.181876	Y
3	IC 410-518132/15	1.0	0.17314	10.0	1393321.0	0.17314	Y
4	IC 410-518132/16	2.0	0.38214	10.0	1324514.0	0.19107	Y
5	IC 410-518132/17	5.0	0.954416	10.0	1389928.0	0.190883	Y
6	ICIS 410-518132/18	10.0	2.009024	10.0	1391128.0	0.200902	Y
7	IC 410-518132/19	25.0	4.84485	10.0	1539769.0	0.193794	Y



Calibration

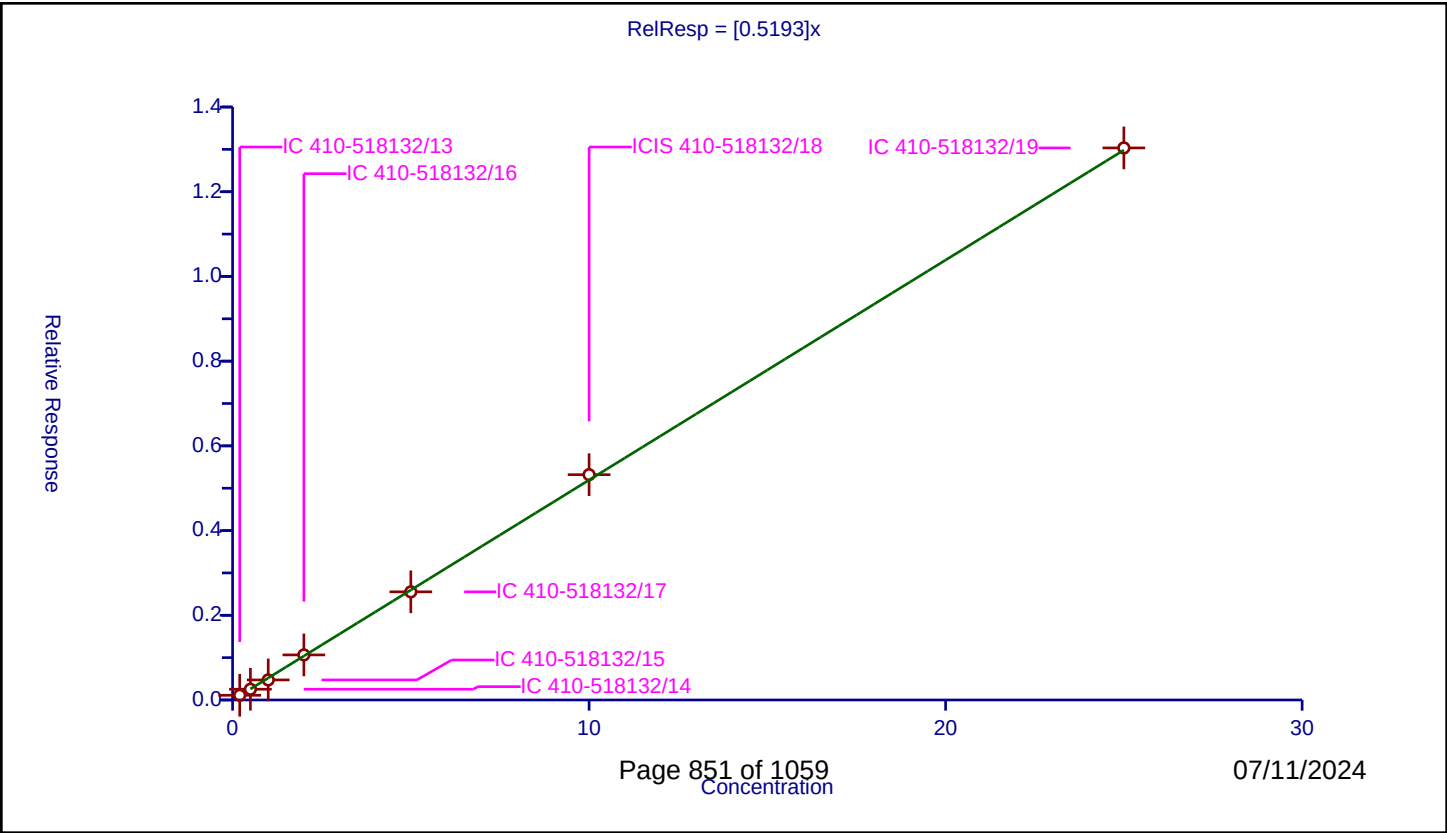
/ 1-Chlorohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5193
Error Coefficients	

Relative Standard Deviation: 5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.111353	10.0	1373915.0	0.556767	Y
2	IC 410-518132/14	0.5	0.25424	10.0	1301763.0	0.50848	Y
3	IC 410-518132/15	1.0	0.473839	10.0	1393321.0	0.473839	Y
4	IC 410-518132/16	2.0	1.064473	10.0	1324514.0	0.532237	Y
5	IC 410-518132/17	5.0	2.553607	10.0	1389928.0	0.510721	Y
6	ICIS 410-518132/18	10.0	5.319518	10.0	1391128.0	0.531952	Y
7	IC 410-518132/19	25.0	13.033942	10.0	1539769.0	0.521358	Y



Calibration

/ Chlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

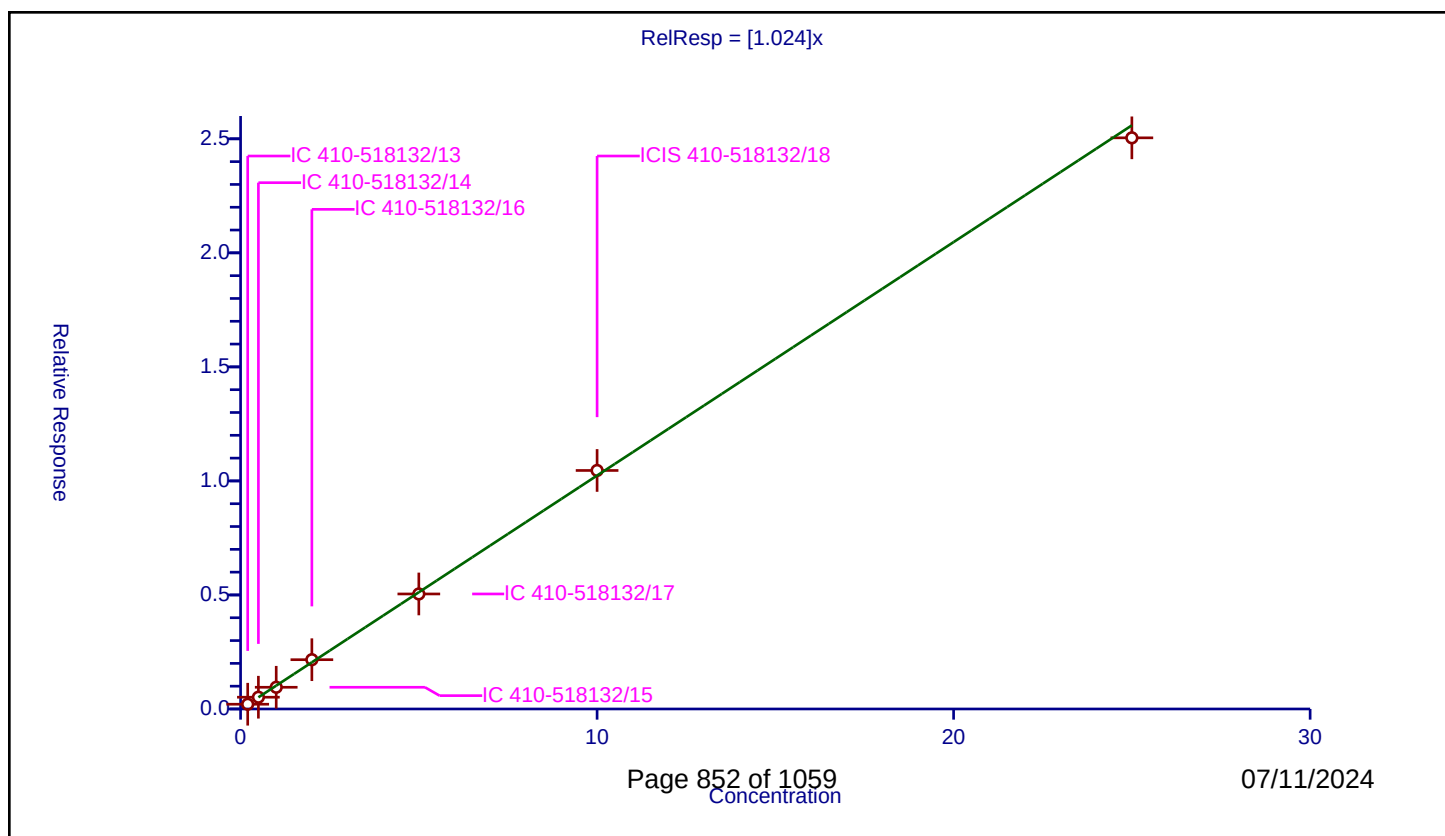
Curve Coefficients

Intercept: 0
Slope: 1.024

Error Coefficients

Relative Standard Deviation: 4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.208696	10.0	1373915.0	1.043478	Y
2	IC 410-518132/14	0.5	0.516277	10.0	1301763.0	1.032554	Y
3	IC 410-518132/15	1.0	0.952185	10.0	1393321.0	0.952185	Y
4	IC 410-518132/16	2.0	2.161623	10.0	1324514.0	1.080812	Y
5	IC 410-518132/17	5.0	5.043578	10.0	1389928.0	1.008716	Y
6	ICIS 410-518132/18	10.0	10.457952	10.0	1391128.0	1.045795	Y
7	IC 410-518132/19	25.0	25.043166	10.0	1539769.0	1.001727	Y



Calibration

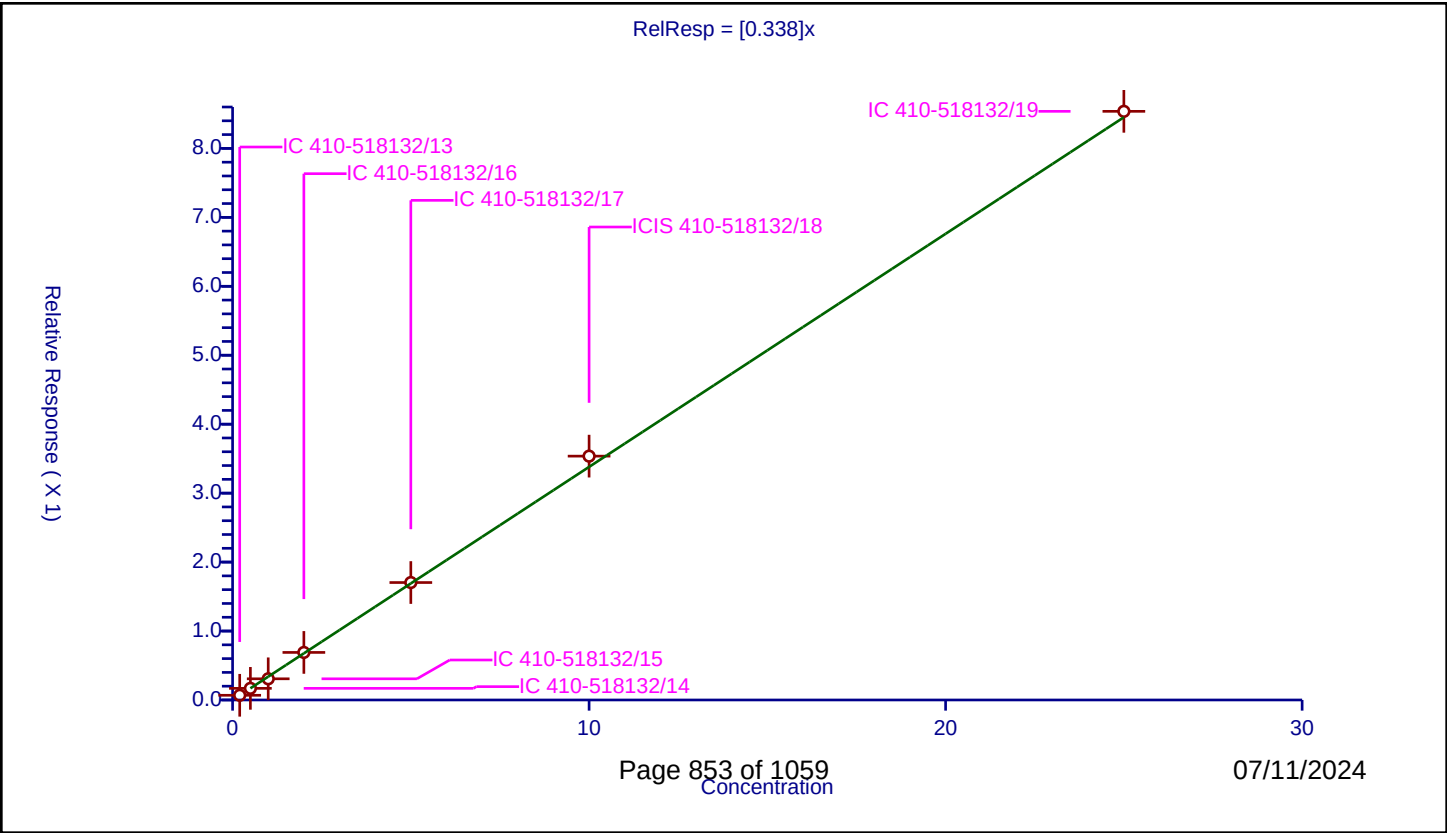
/ 1,1,1,2-Tetrachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.338
Error Coefficients	

Relative Standard Deviation: 4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.068119	10.0	1373915.0	0.340596	Y
2	IC 410-518132/14	0.5	0.168863	10.0	1301763.0	0.337727	Y
3	IC 410-518132/15	1.0	0.30733	10.0	1393321.0	0.30733	Y
4	IC 410-518132/16	2.0	0.689747	10.0	1324514.0	0.344874	Y
5	IC 410-518132/17	5.0	1.703297	10.0	1389928.0	0.340659	Y
6	ICIS 410-518132/18	10.0	3.536461	10.0	1391128.0	0.353646	Y
7	IC 410-518132/19	25.0	8.537417	10.0	1539769.0	0.341497	Y



Calibration

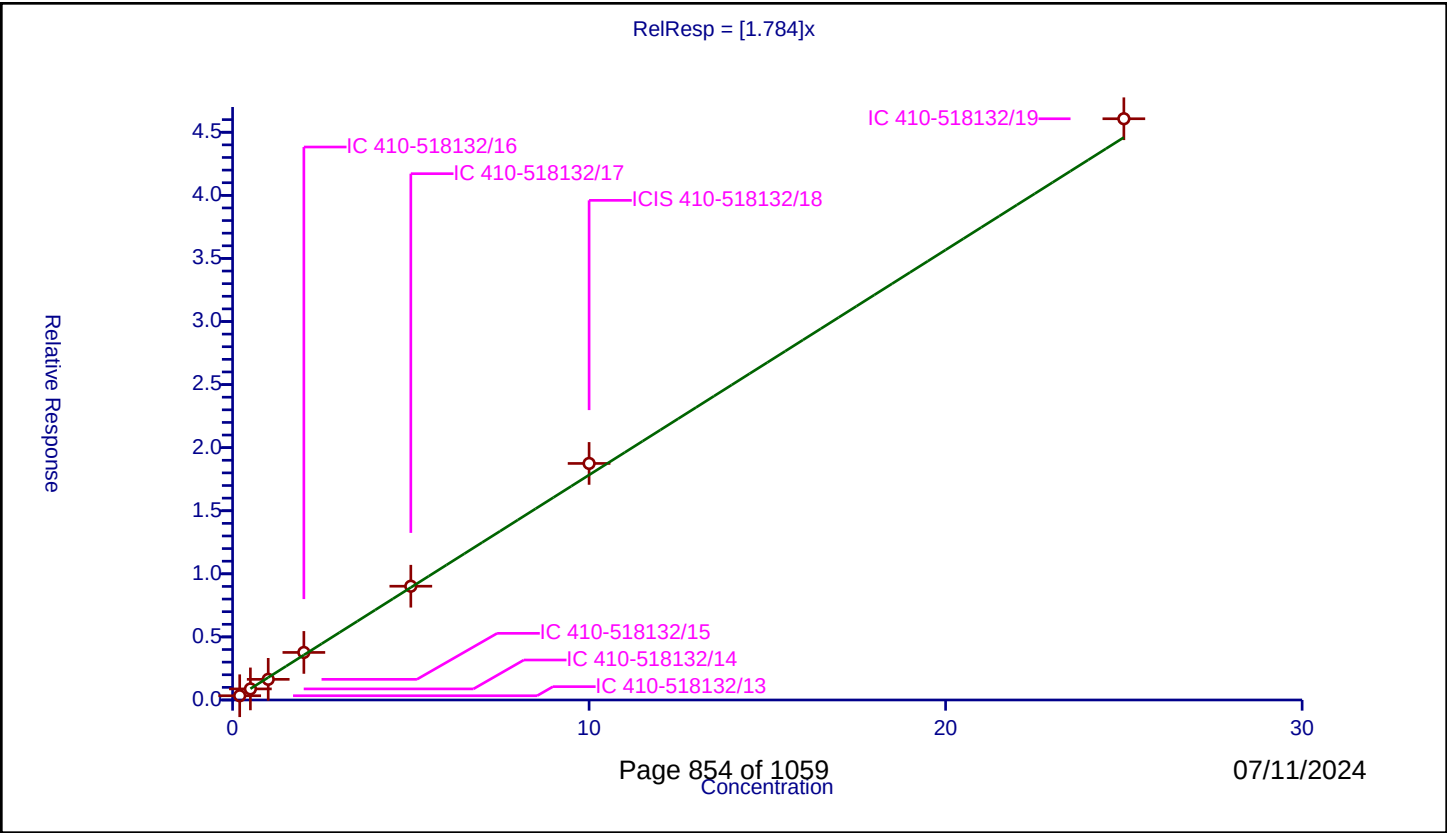
/ Ethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.784
Error Coefficients	

Relative Standard Deviation: 5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.336709	10.0	1373915.0	1.683547	Y
2	IC 410-518132/14	0.5	0.879223	10.0	1301763.0	1.758446	Y
3	IC 410-518132/15	1.0	1.637031	10.0	1393321.0	1.637031	Y
4	IC 410-518132/16	2.0	3.769571	10.0	1324514.0	1.884786	Y
5	IC 410-518132/17	5.0	9.018697	10.0	1389928.0	1.803739	Y
6	ICIS 410-518132/18	10.0	18.749935	10.0	1391128.0	1.874994	Y
7	IC 410-518132/19	25.0	46.070924	10.0	1539769.0	1.842837	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

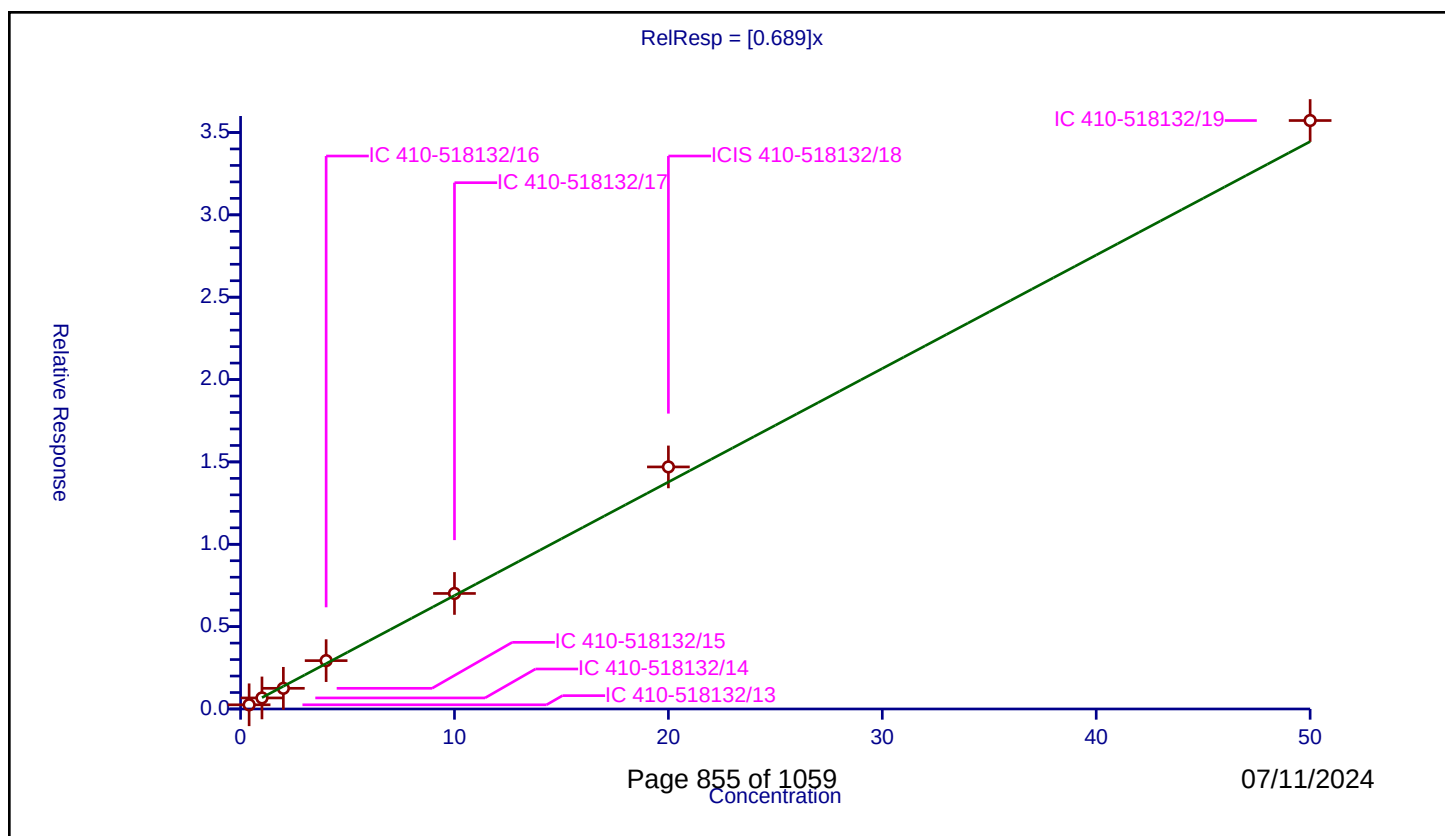
Curve Coefficients

Intercept: 0
Slope: 0.689

Error Coefficients

Relative Standard Deviation: 6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.4	0.255562	10.0	1373915.0	0.638904	Y
2	IC 410-518132/14	1.0	0.671459	10.0	1301763.0	0.671459	Y
3	IC 410-518132/15	2.0	1.255461	10.0	1393321.0	0.62773	Y
4	IC 410-518132/16	4.0	2.935492	10.0	1324514.0	0.733873	Y
5	IC 410-518132/17	10.0	7.013759	10.0	1389928.0	0.701376	Y
6	ICIS 410-518132/18	20.0	14.696405	10.0	1391128.0	0.73482	Y
7	IC 410-518132/19	50.0	35.725807	10.0	1539769.0	0.714516	Y



Calibration

/ o-Xylene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

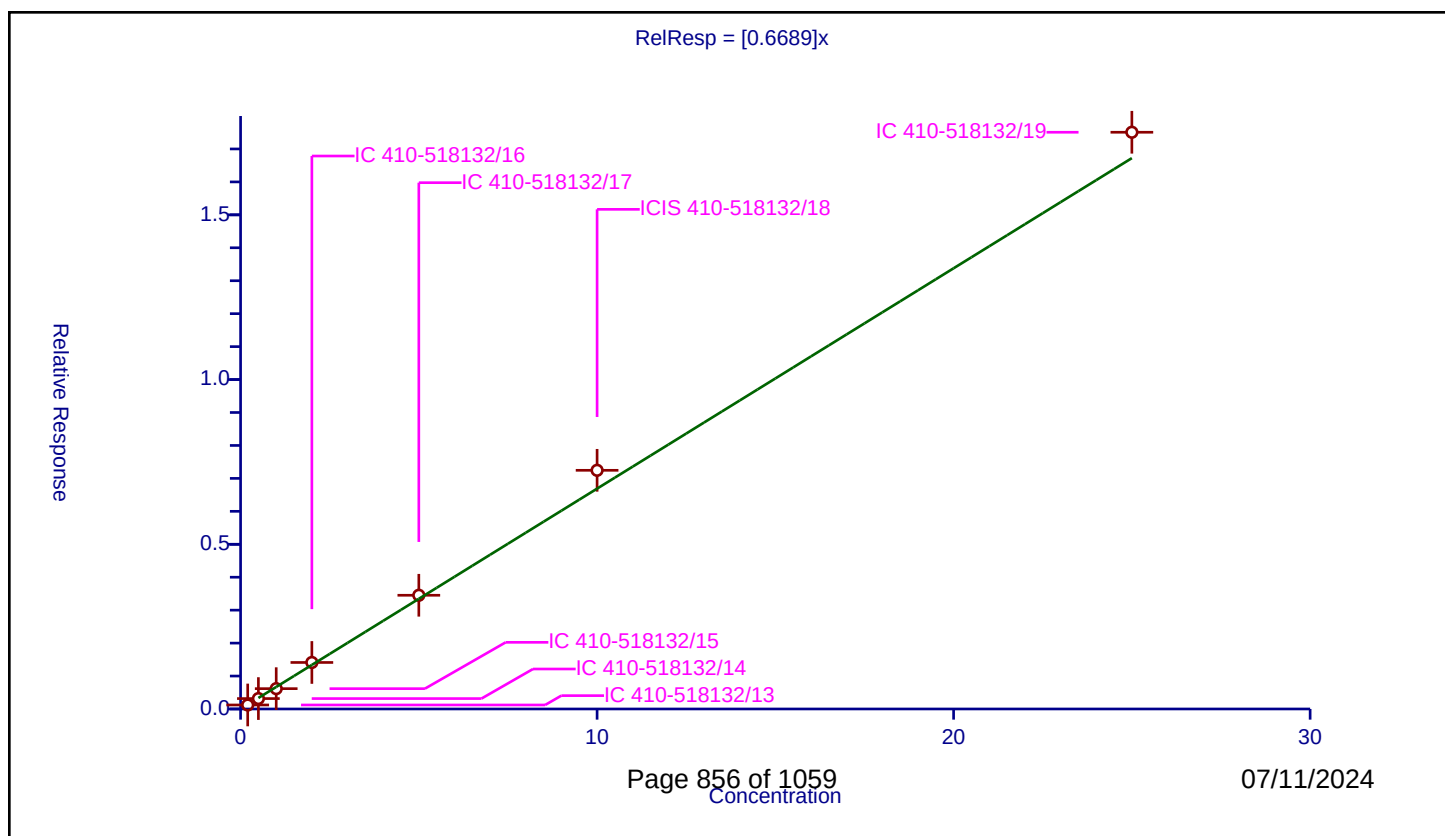
Curve Coefficients

Intercept: 0
Slope: 0.6689

Error Coefficients

Relative Standard Deviation: 7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.122104	10.0	1373915.0	0.610518	Y
2	IC 410-518132/14	0.5	0.316425	10.0	1301763.0	0.632849	Y
3	IC 410-518132/15	1.0	0.617417	10.0	1393321.0	0.617417	Y
4	IC 410-518132/16	2.0	1.412254	10.0	1324514.0	0.706127	Y
5	IC 410-518132/17	5.0	3.452301	10.0	1389928.0	0.69046	Y
6	ICIS 410-518132/18	10.0	7.245315	10.0	1391128.0	0.724531	Y
7	IC 410-518132/19	25.0	17.50723	10.0	1539769.0	0.700289	Y



Calibration

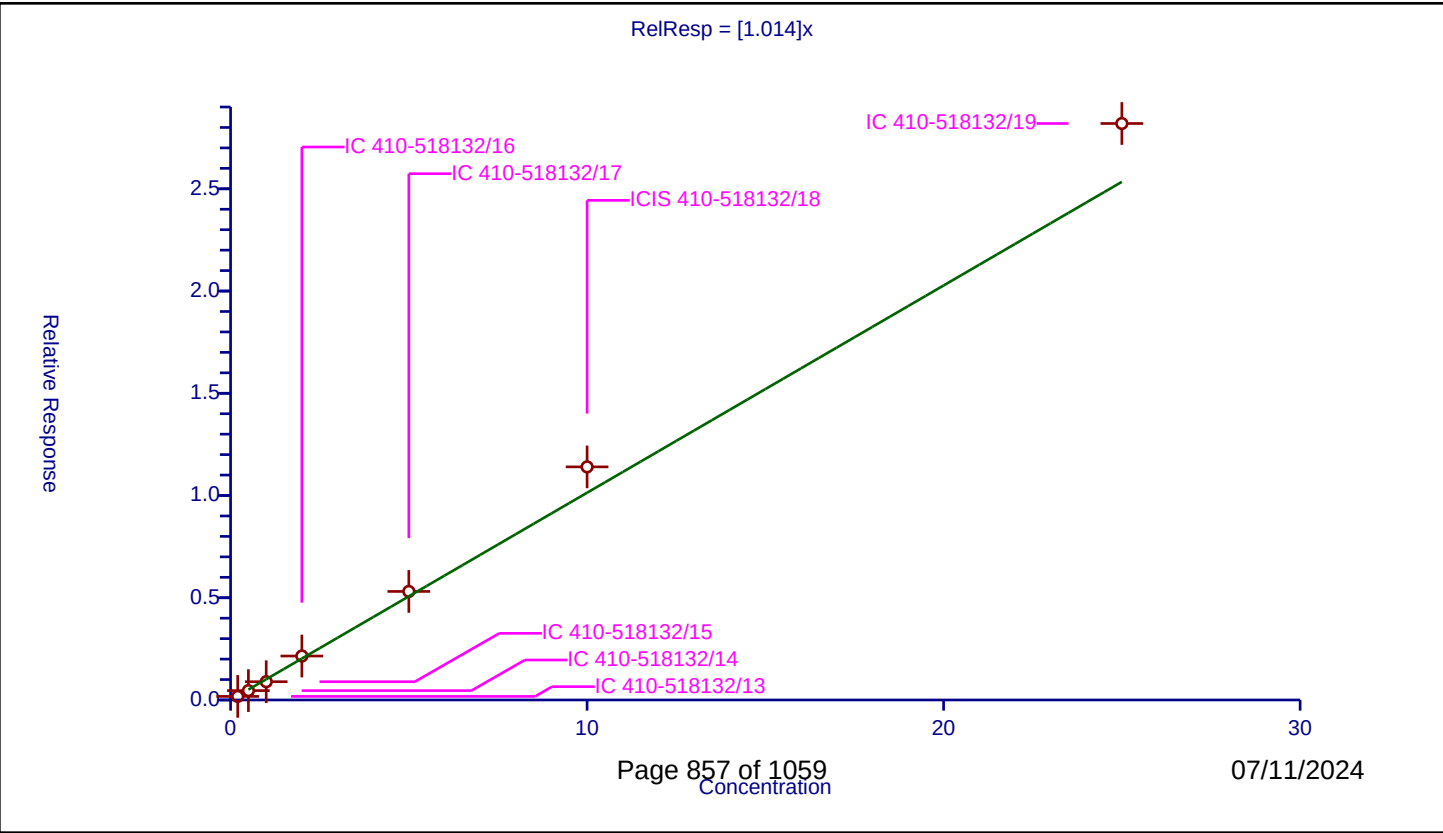
/ Styrene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.014
Error Coefficients	

Relative Standard Deviation: 11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.175957	10.0	1373915.0	0.879785	Y
2	IC 410-518132/14	0.5	0.458501	10.0	1301763.0	0.917003	Y
3	IC 410-518132/15	1.0	0.894209	10.0	1393321.0	0.894209	Y
4	IC 410-518132/16	2.0	2.149845	10.0	1324514.0	1.074923	Y
5	IC 410-518132/17	5.0	5.30834	10.0	1389928.0	1.061668	Y
6	ICIS 410-518132/18	10.0	11.400382	10.0	1391128.0	1.140038	Y
7	IC 410-518132/19	25.0	28.193398	10.0	1539769.0	1.127736	Y

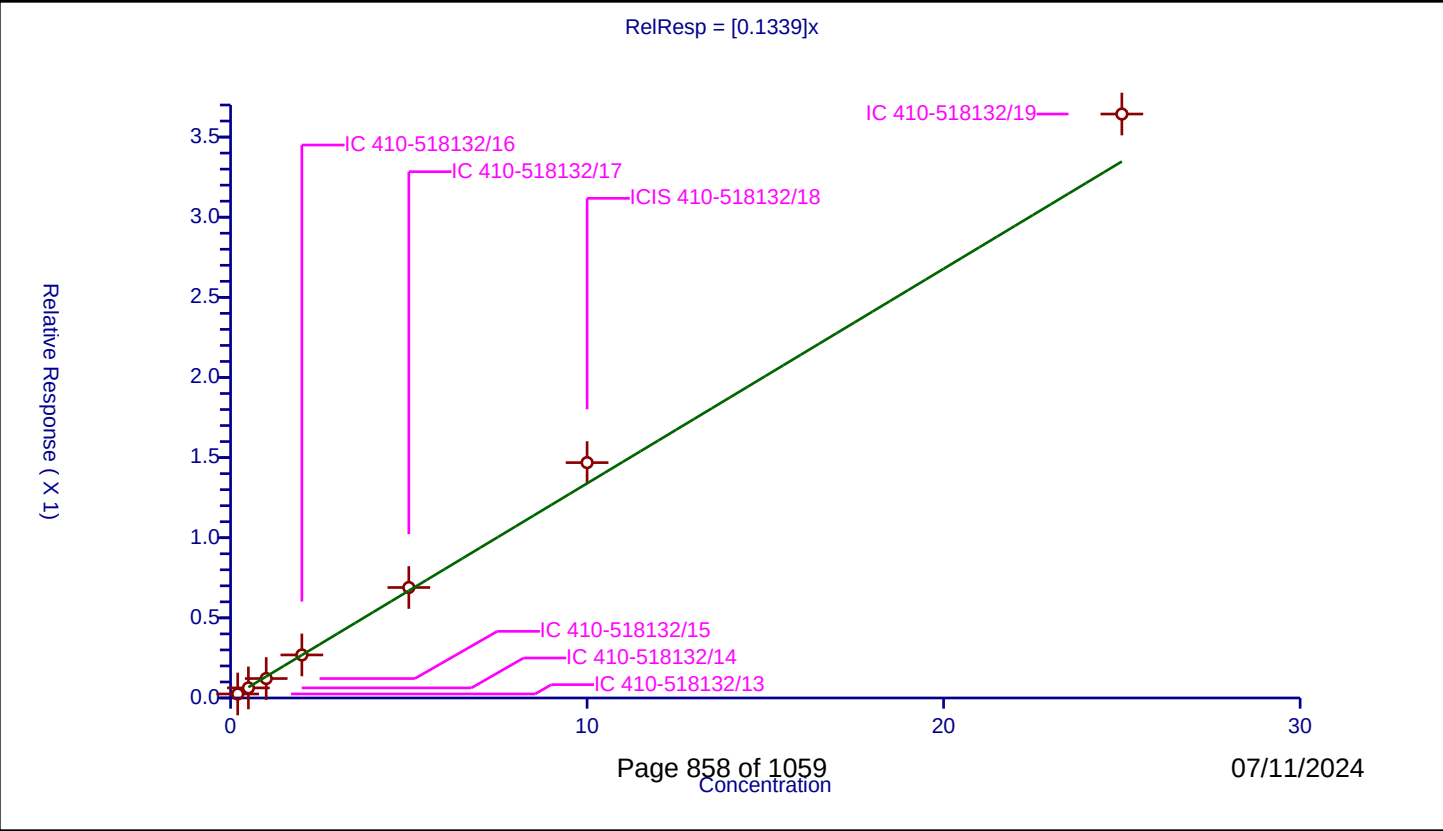


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1339

Error Coefficients	
Relative Standard Deviation:	
	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.025009	10.0	1373915.0	0.125044	Y
2	IC 410-518132/14	0.5	0.063061	10.0	1301763.0	0.126121	Y
3	IC 410-518132/15	1.0	0.121372	10.0	1393321.0	0.121372	Y
4	IC 410-518132/16	2.0	0.268582	10.0	1324514.0	0.134291	Y
5	IC 410-518132/17	5.0	0.68941	10.0	1389928.0	0.137882	Y
6	ICIS 410-518132/18	10.0	1.468614	10.0	1391128.0	0.146861	Y
7	IC 410-518132/19	25.0	3.643728	10.0	1539769.0	0.145749	Y

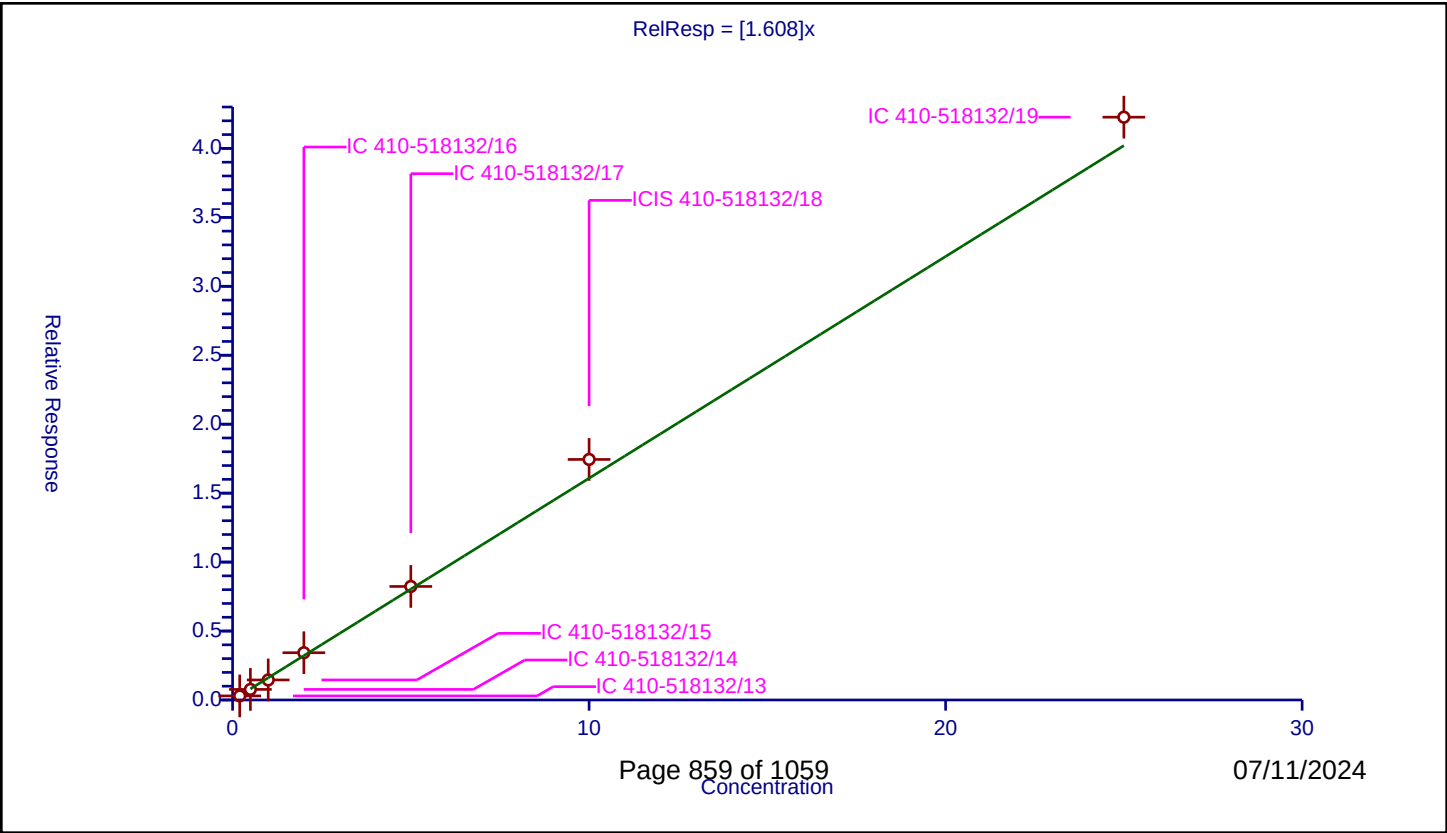


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.608
Error Coefficients	

Relative Standard Deviation: 7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.294844	10.0	1373915.0	1.474218	Y
2	IC 410-518132/14	0.5	0.766691	10.0	1301763.0	1.533382	Y
3	IC 410-518132/15	1.0	1.453412	10.0	1393321.0	1.453412	Y
4	IC 410-518132/16	2.0	3.427574	10.0	1324514.0	1.713787	Y
5	IC 410-518132/17	5.0	8.233534	10.0	1389928.0	1.646707	Y
6	ICIS 410-518132/18	10.0	17.444089	10.0	1391128.0	1.744409	Y
7	IC 410-518132/19	25.0	42.26295	10.0	1539769.0	1.690518	Y



Calibration

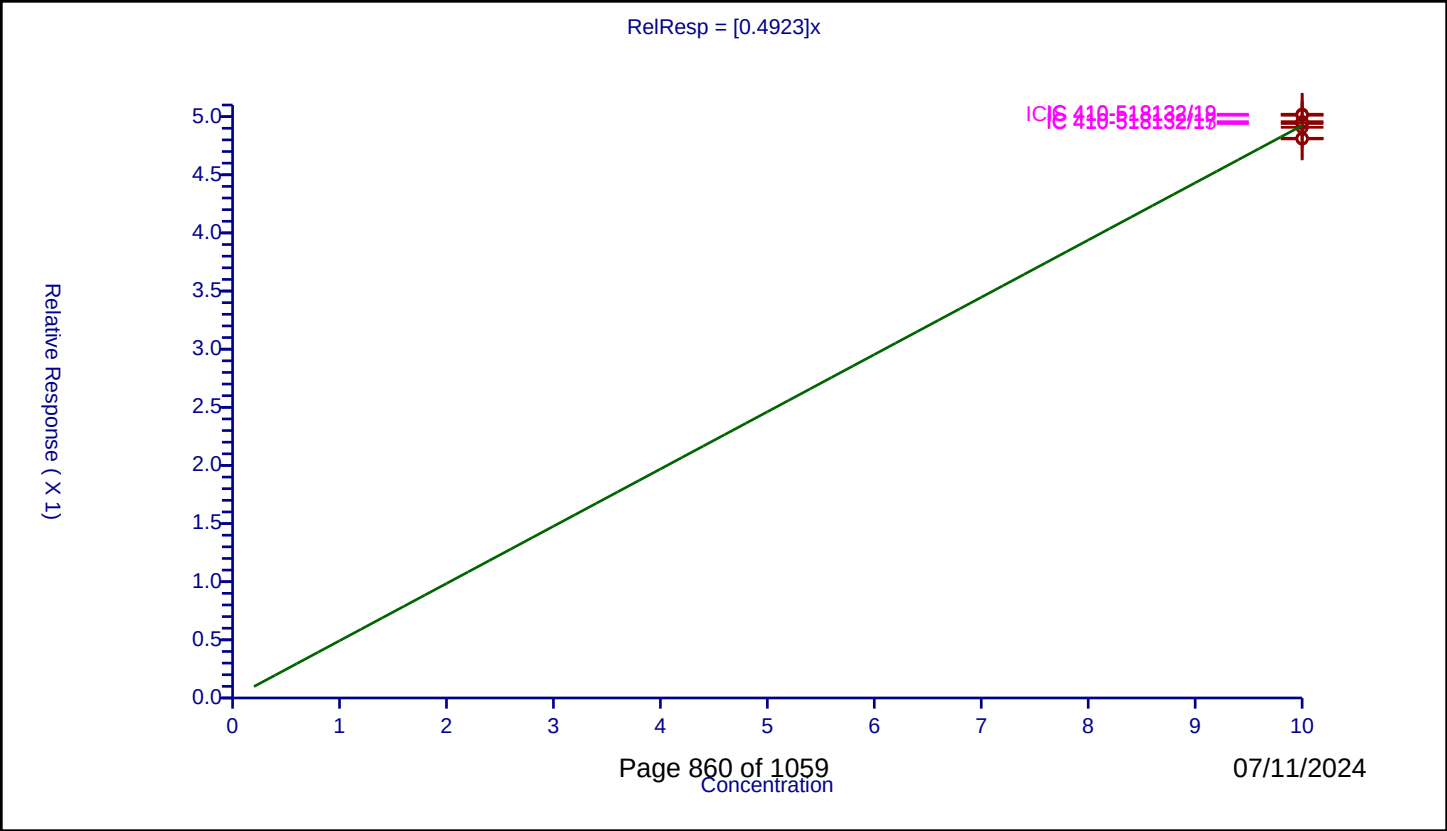
/ 4-Bromofluorobenzene (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4923
Error Coefficients	

Relative Standard Deviation: 1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	10.0	4.814053	10.0	1373915.0	0.481405	Y
2	IC 410-518132/14	10.0	4.808418	10.0	1301763.0	0.480842	Y
3	IC 410-518132/15	10.0	4.940764	10.0	1393321.0	0.494076	Y
4	IC 410-518132/16	10.0	4.908155	10.0	1324514.0	0.490815	Y
5	IC 410-518132/17	10.0	4.956955	10.0	1389928.0	0.495695	Y
6	ICIS 410-518132/18	10.0	5.011897	10.0	1391128.0	0.50119	Y
7	IC 410-518132/19	10.0	5.020805	10.0	1539769.0	0.502081	Y



Calibration

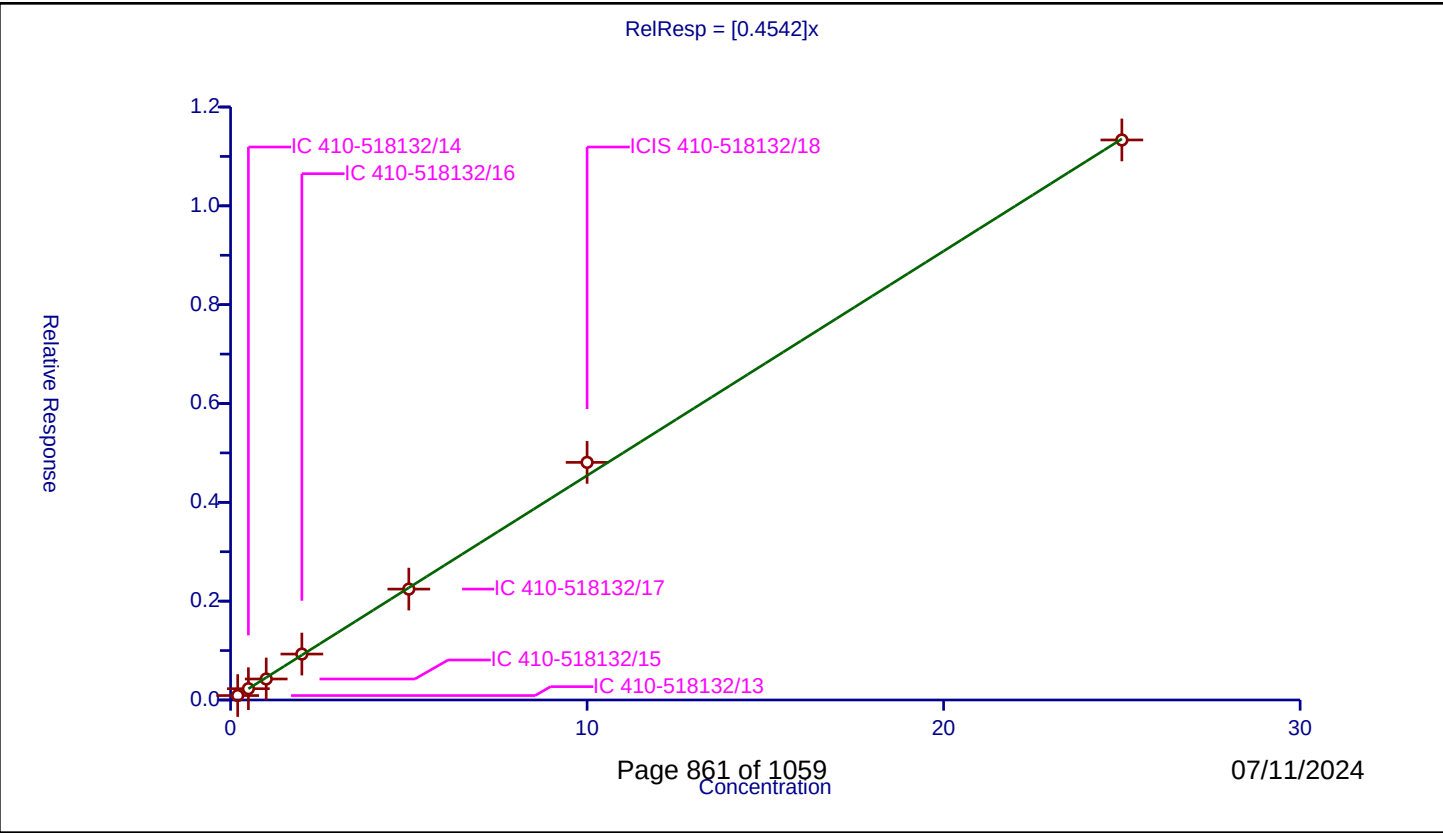
/ 1,1,2,2-Tetrachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4542
Error Coefficients	

Relative Standard Deviation: 3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.089943	10.0	724570.0	0.449715	Y
2	IC 410-518132/14	0.5	0.228488	10.0	700079.0	0.456977	Y
3	IC 410-518132/15	1.0	0.424734	10.0	755531.0	0.424734	Y
4	IC 410-518132/16	2.0	0.929658	10.0	729171.0	0.464829	Y
5	IC 410-518132/17	5.0	2.244156	10.0	779077.0	0.448831	Y
6	ICIS 410-518132/18	10.0	4.808563	10.0	768999.0	0.480856	Y
7	IC 410-518132/19	25.0	11.33335	10.0	881194.0	0.453334	Y



Calibration

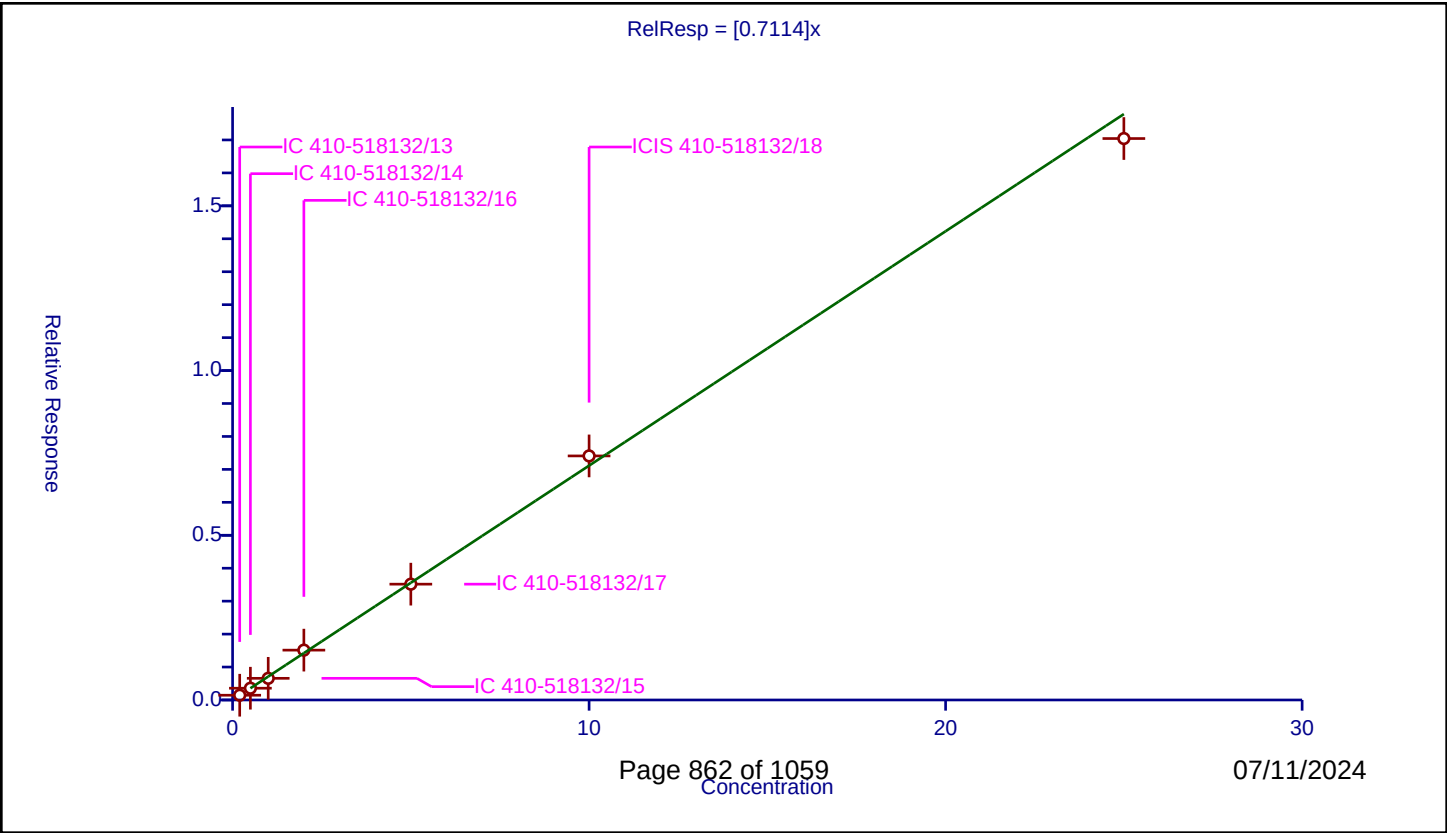
/ Bromobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7114
Error Coefficients	

Relative Standard Deviation: 4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.144845	10.0	724570.0	0.724223	Y
2	IC 410-518132/14	0.5	0.357588	10.0	700079.0	0.715176	Y
3	IC 410-518132/15	1.0	0.658027	10.0	755531.0	0.658027	Y
4	IC 410-518132/16	2.0	1.513404	10.0	729171.0	0.756702	Y
5	IC 410-518132/17	5.0	3.516148	10.0	779077.0	0.70323	Y
6	ICIS 410-518132/18	10.0	7.408748	10.0	768999.0	0.740875	Y
7	IC 410-518132/19	25.0	17.043477	10.0	881194.0	0.681739	Y



Calibration

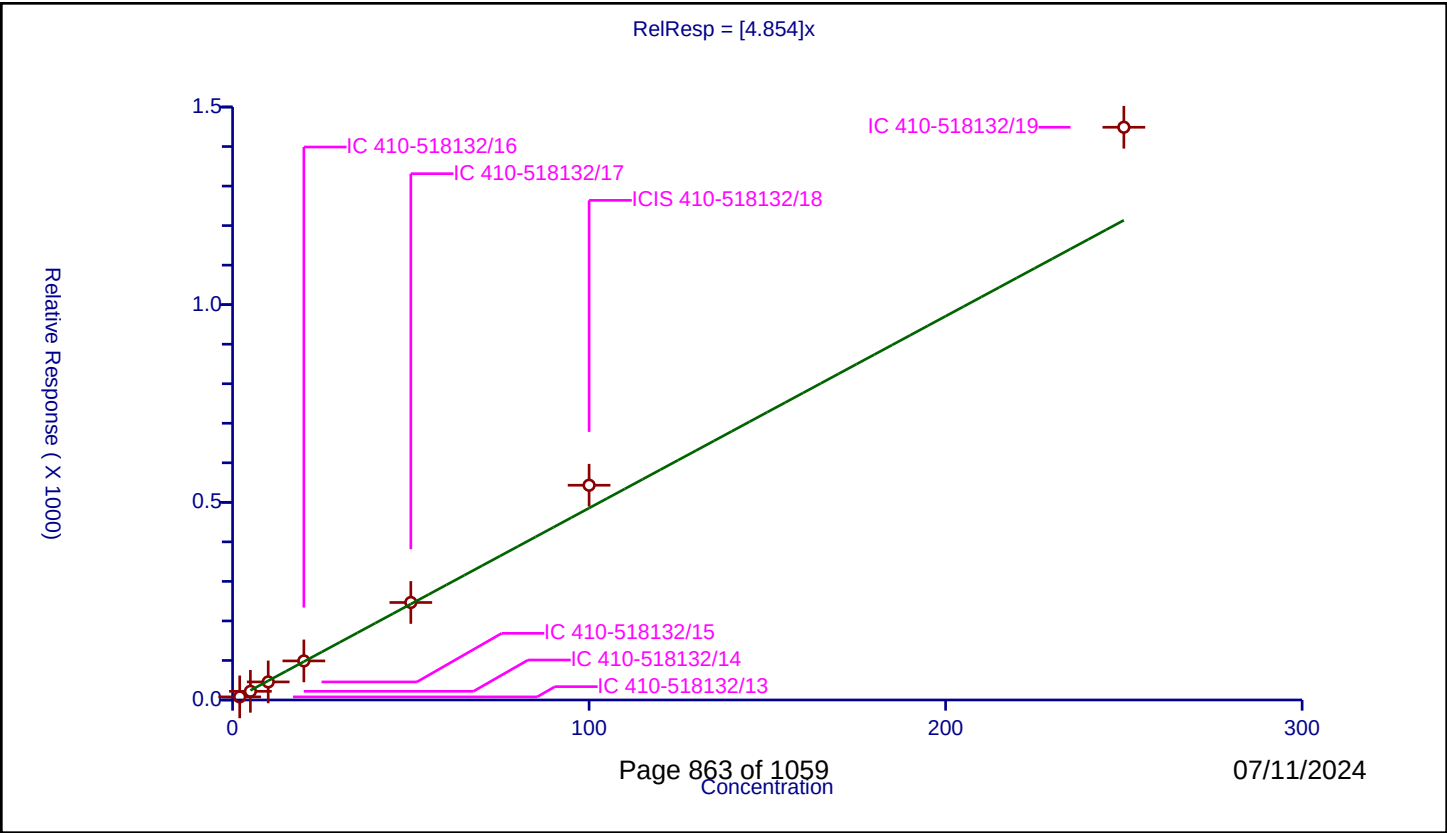
/ trans-1,4-Dichloro-2-butene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	4.854
Error Coefficients	

Relative Standard Deviation: 13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	2.0	7.831658	50.0	88819.0	3.915829	Y
2	IC 410-518132/14	5.0	21.95255	50.0	74267.0	4.39051	Y
3	IC 410-518132/15	10.0	45.705248	50.0	85360.0	4.570525	Y
4	IC 410-518132/16	20.0	98.845271	50.0	83656.0	4.942264	Y
5	IC 410-518132/17	50.0	246.625125	50.0	92196.0	4.932502	Y
6	ICIS 410-518132/18	100.0	543.275024	50.0	89294.0	5.43275	Y
7	IC 410-518132/19	250.0	1448.781382	50.0	98185.0	5.795126	Y



Calibration

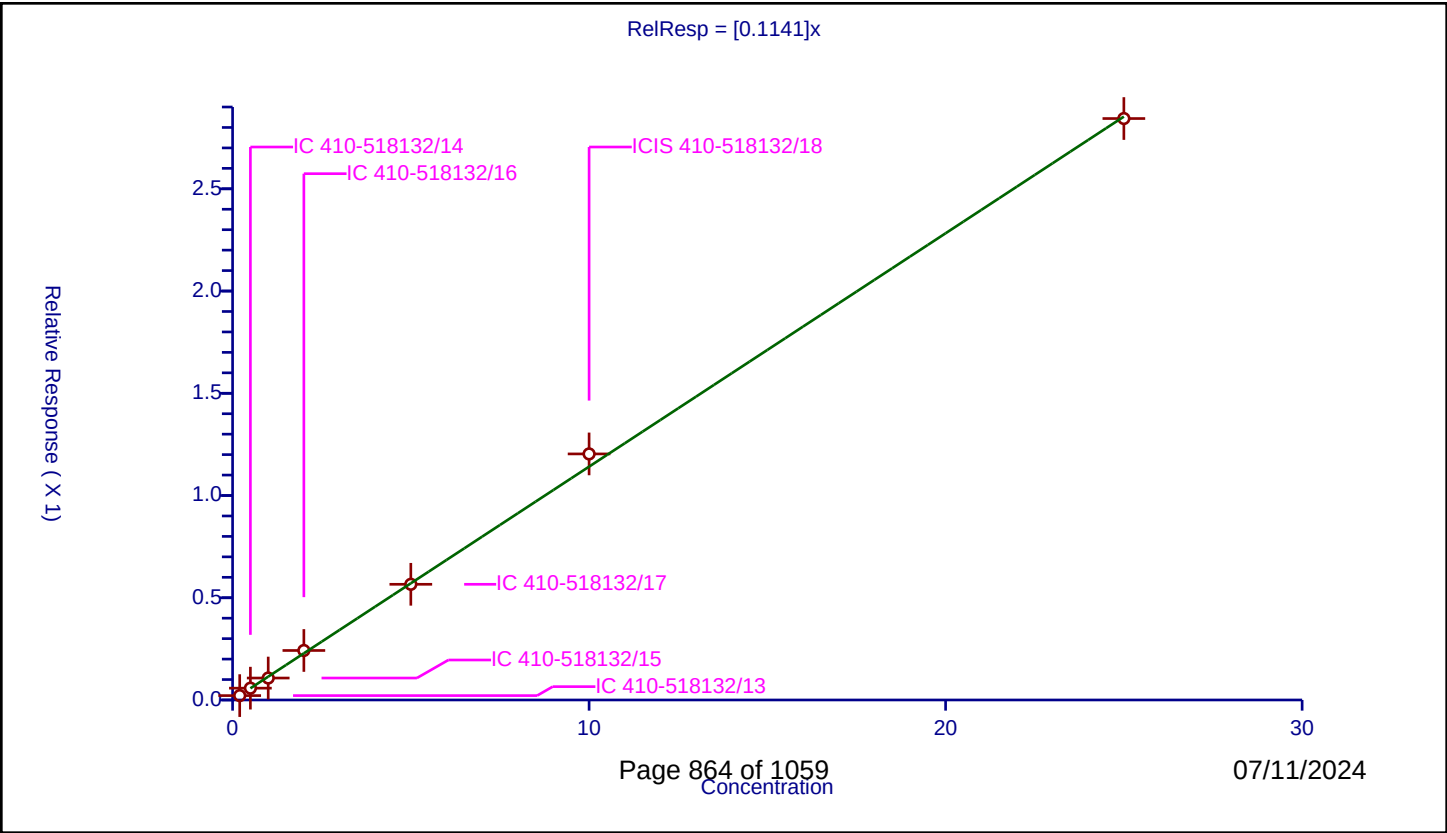
/ 1,2,3-Trichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1141
Error Coefficients	

Relative Standard Deviation: 4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.021489	10.0	724570.0	0.107443	Y
2	IC 410-518132/14	0.5	0.057879	10.0	700079.0	0.115758	Y
3	IC 410-518132/15	1.0	0.107381	10.0	755531.0	0.107381	Y
4	IC 410-518132/16	2.0	0.242069	10.0	729171.0	0.121035	Y
5	IC 410-518132/17	5.0	0.565785	10.0	779077.0	0.113157	Y
6	ICIS 410-518132/18	10.0	1.203448	10.0	768999.0	0.120345	Y
7	IC 410-518132/19	25.0	2.843664	10.0	881194.0	0.113747	Y



Calibration

/ N-Propylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

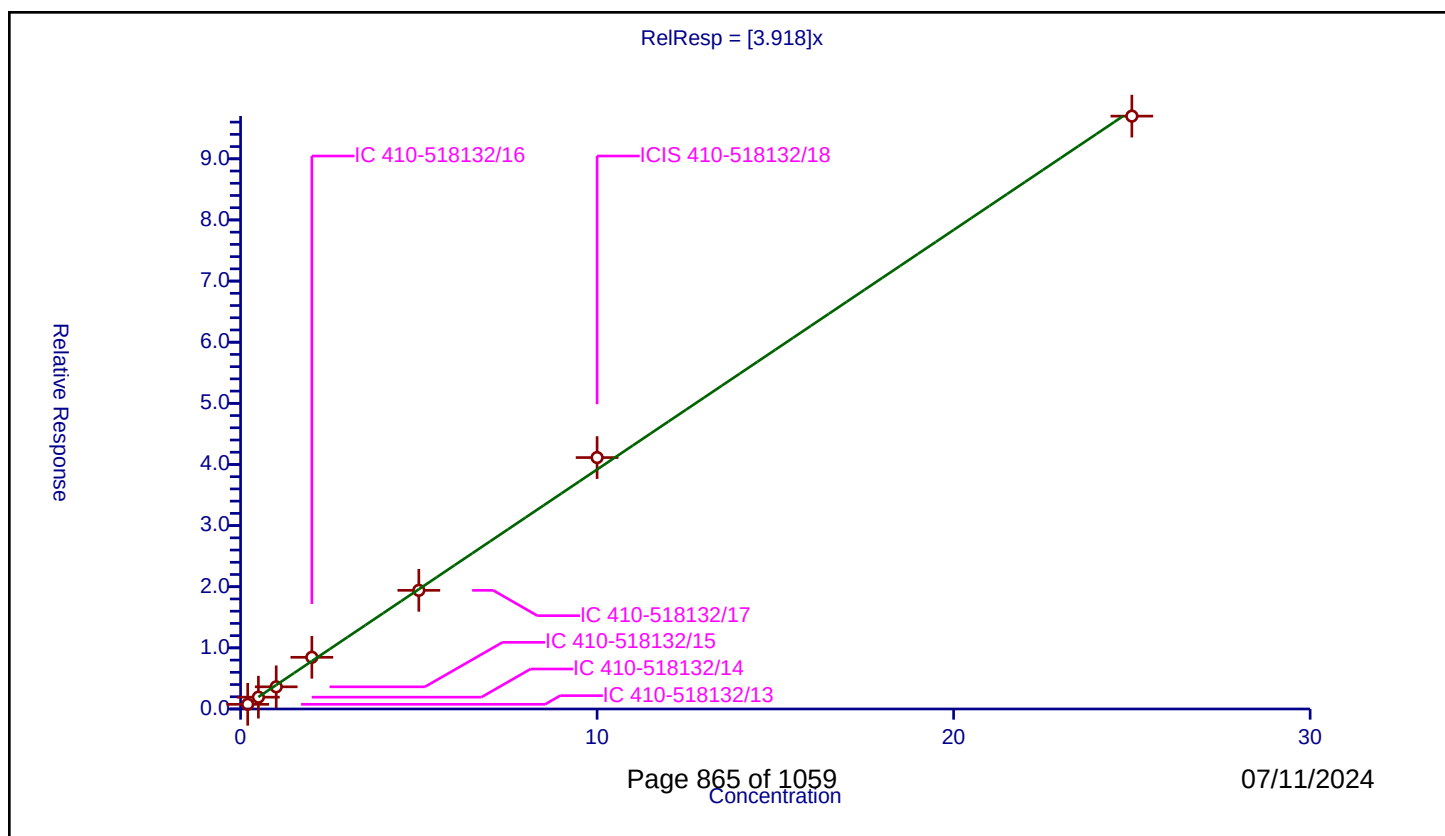
Curve Coefficients

Intercept: 0
Slope: 3.918

Error Coefficients

Relative Standard Deviation: 5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.766441	10.0	724570.0	3.832204	Y
2	IC 410-518132/14	0.5	1.933182	10.0	700079.0	3.866364	Y
3	IC 410-518132/15	1.0	3.62496	10.0	755531.0	3.62496	Y
4	IC 410-518132/16	2.0	8.456713	10.0	729171.0	4.228357	Y
5	IC 410-518132/17	5.0	19.410174	10.0	779077.0	3.882035	Y
6	ICIS 410-518132/18	10.0	41.130275	10.0	768999.0	4.113027	Y
7	IC 410-518132/19	25.0	96.983264	10.0	881194.0	3.879331	Y



Calibration

/ 2-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

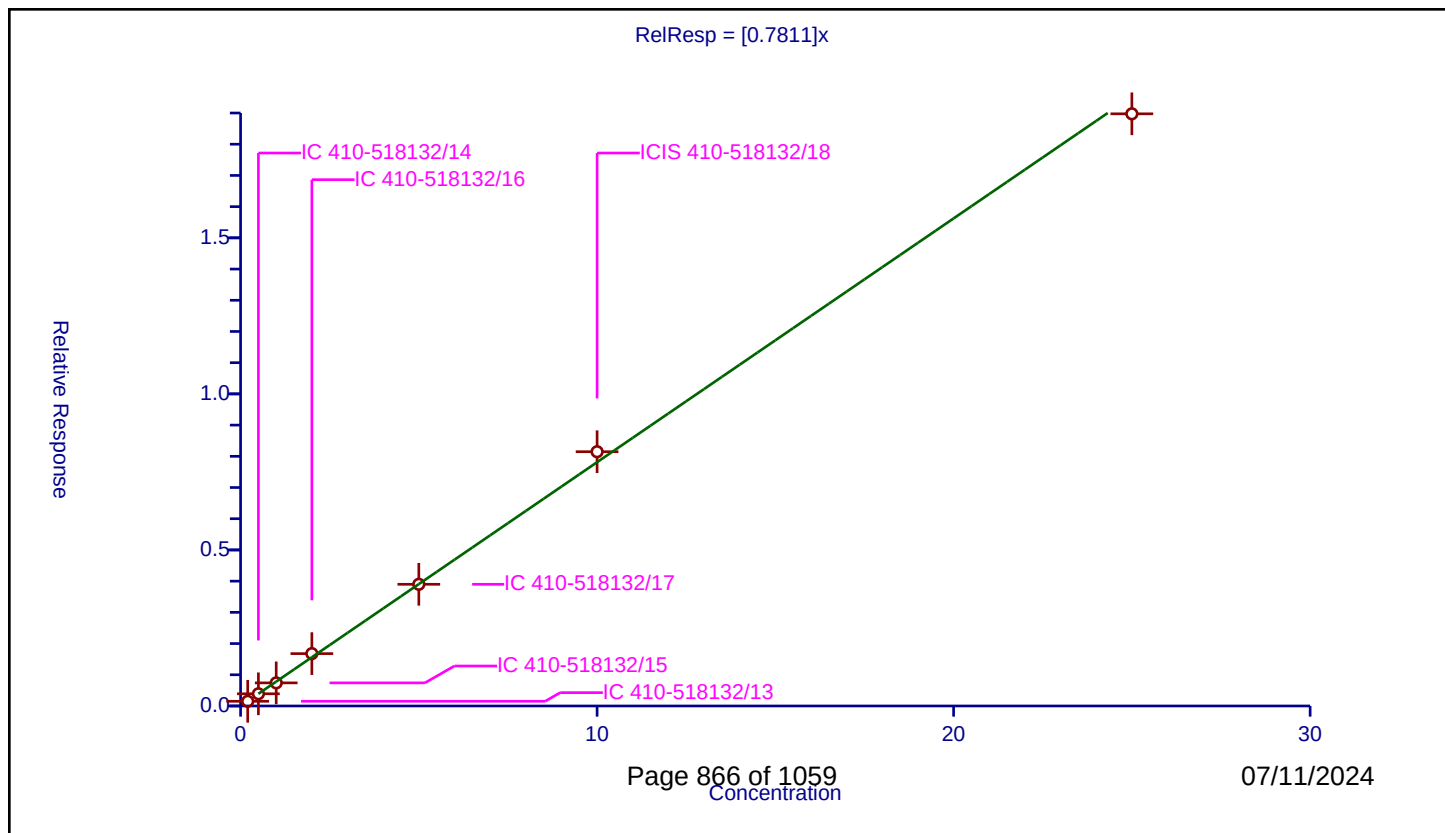
Curve Coefficients

Intercept: 0
Slope: 0.7811

Error Coefficients

Relative Standard Deviation: 4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.1506	10.0	724570.0	0.752998	Y
2	IC 410-518132/14	0.5	0.390899	10.0	700079.0	0.781797	Y
3	IC 410-518132/15	1.0	0.740777	10.0	755531.0	0.740777	Y
4	IC 410-518132/16	2.0	1.677823	10.0	729171.0	0.838912	Y
5	IC 410-518132/17	5.0	3.899152	10.0	779077.0	0.77983	Y
6	ICIS 410-518132/18	10.0	8.147189	10.0	768999.0	0.814719	Y
7	IC 410-518132/19	25.0	18.974074	10.0	881194.0	0.758963	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

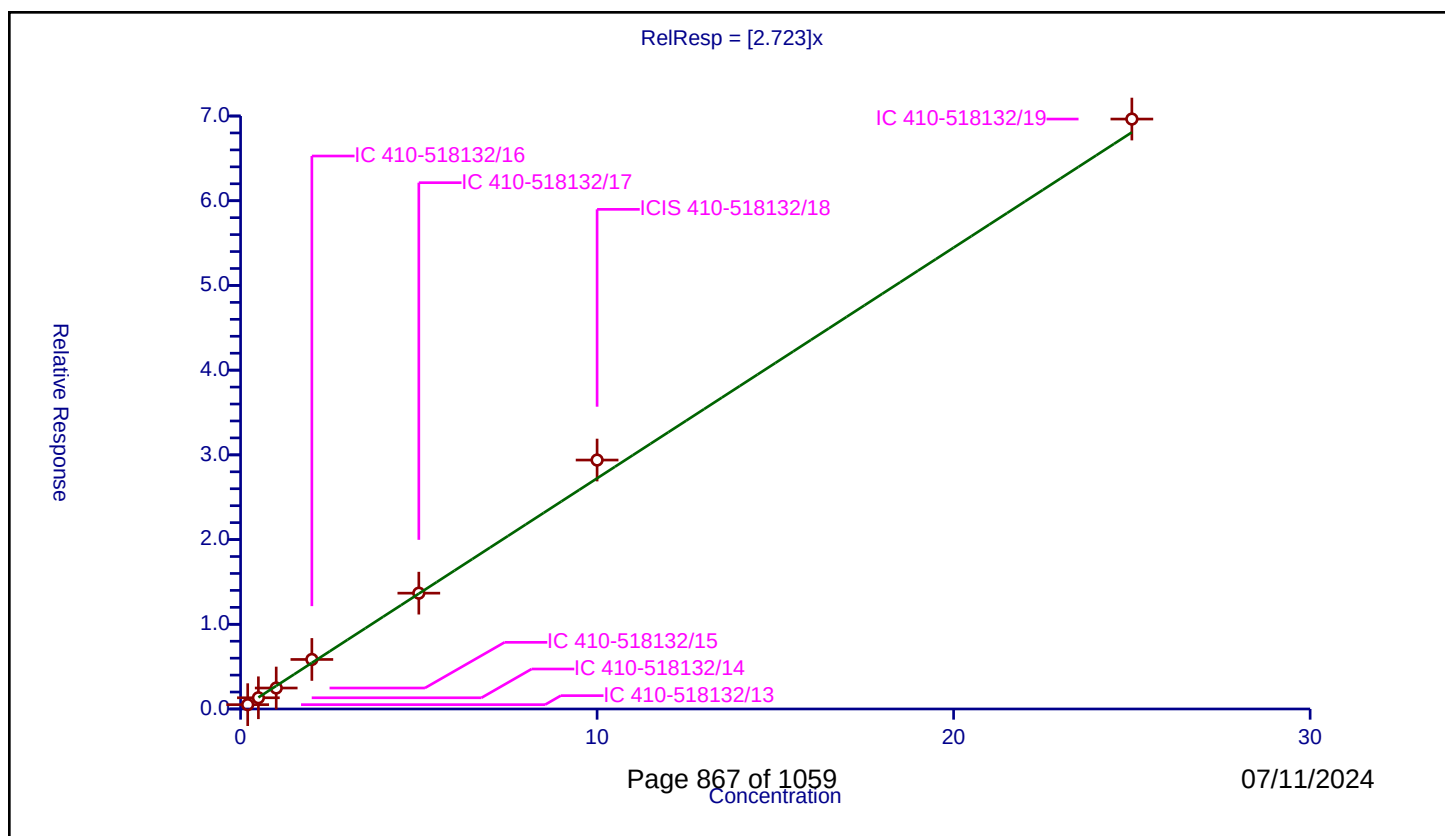
Curve Coefficients

Intercept: 0
Slope: 2.723

Error Coefficients

Relative Standard Deviation: 6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.510592	10.0	724570.0	2.552962	Y
2	IC 410-518132/14	0.5	1.325193	10.0	700079.0	2.650387	Y
3	IC 410-518132/15	1.0	2.474895	10.0	755531.0	2.474895	Y
4	IC 410-518132/16	2.0	5.847065	10.0	729171.0	2.923532	Y
5	IC 410-518132/17	5.0	13.674618	10.0	779077.0	2.734924	Y
6	ICIS 410-518132/18	10.0	29.38801	10.0	768999.0	2.938801	Y
7	IC 410-518132/19	25.0	69.641691	10.0	881194.0	2.785668	Y



Calibration

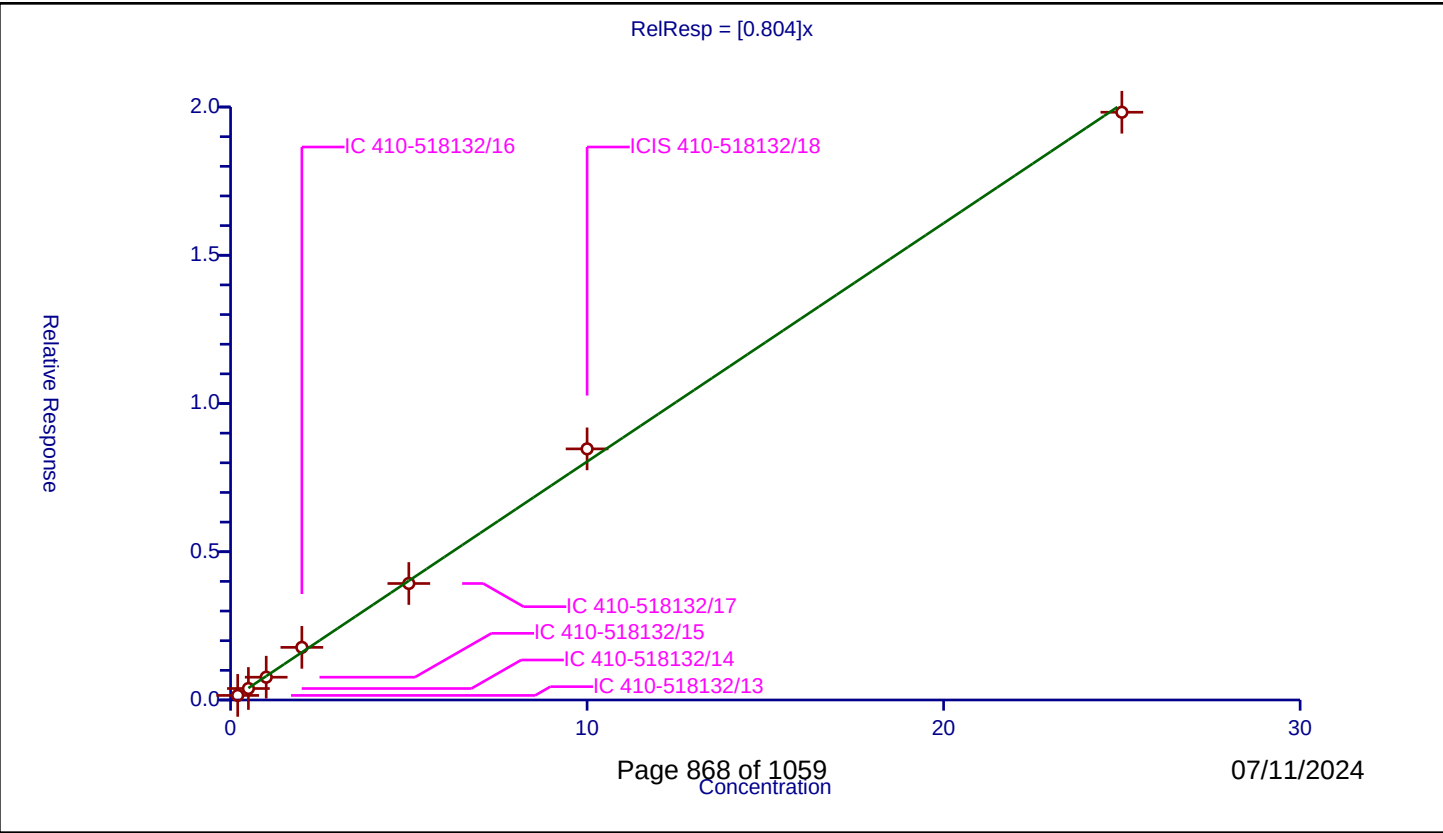
/ 4-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.804
Error Coefficients	

Relative Standard Deviation: 5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.15416	10.0	724570.0	0.770802	Y
2	IC 410-518132/14	0.5	0.387471	10.0	700079.0	0.774941	Y
3	IC 410-518132/15	1.0	0.76885	10.0	755531.0	0.76885	Y
4	IC 410-518132/16	2.0	1.775057	10.0	729171.0	0.887528	Y
5	IC 410-518132/17	5.0	3.92947	10.0	779077.0	0.785894	Y
6	ICIS 410-518132/18	10.0	8.469738	10.0	768999.0	0.846974	Y
7	IC 410-518132/19	25.0	19.823807	10.0	881194.0	0.792952	Y

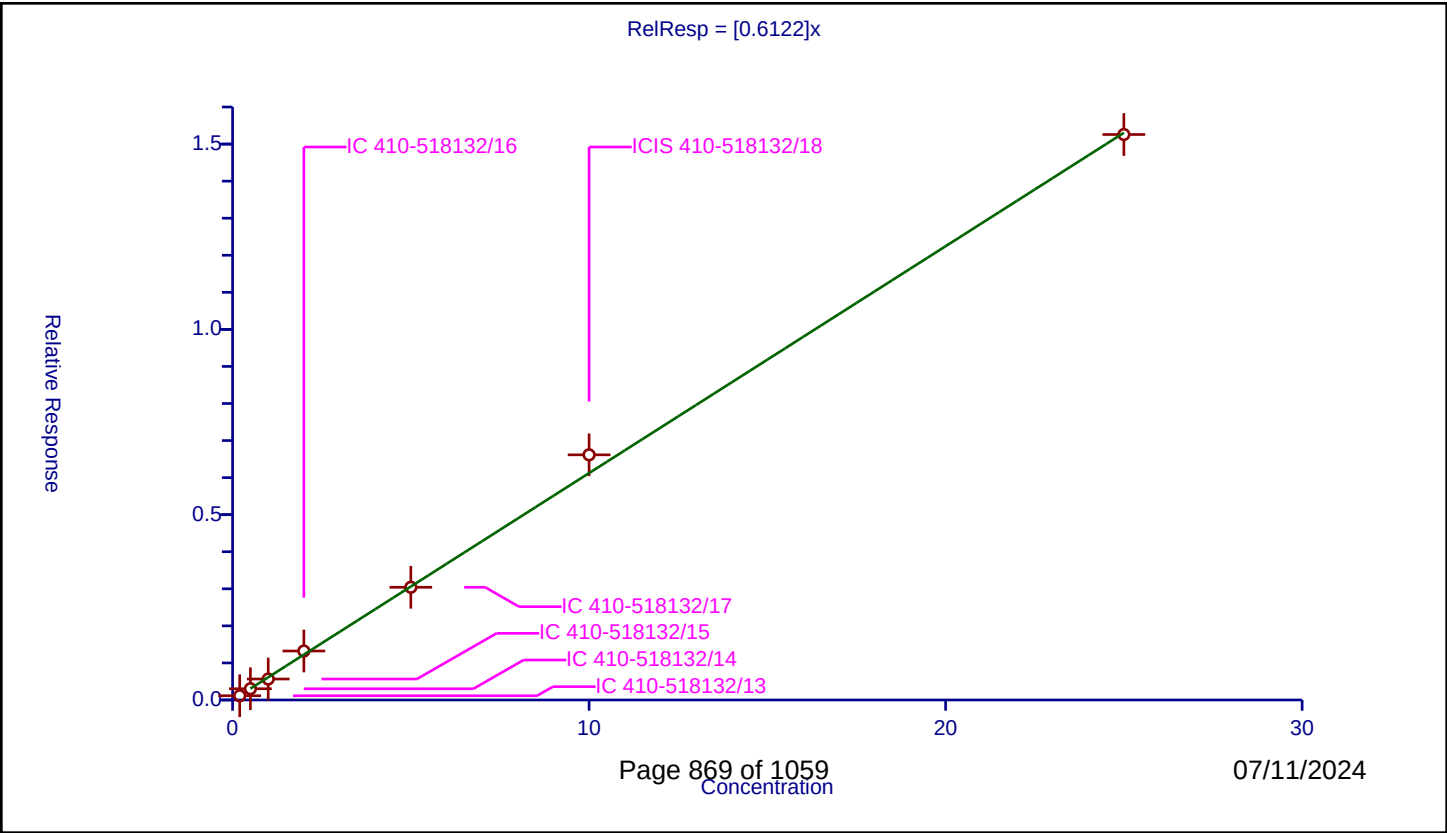


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6122
Error Coefficients	

Relative Standard Deviation: 6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.114413	10.0	724570.0	0.572063	Y
2	IC 410-518132/14	0.5	0.303194	10.0	700079.0	0.606389	Y
3	IC 410-518132/15	1.0	0.566026	10.0	755531.0	0.566026	Y
4	IC 410-518132/16	2.0	1.321487	10.0	729171.0	0.660744	Y
5	IC 410-518132/17	5.0	3.041111	10.0	779077.0	0.608222	Y
6	ICIS 410-518132/18	10.0	6.615314	10.0	768999.0	0.661531	Y
7	IC 410-518132/19	25.0	15.258184	10.0	881194.0	0.610327	Y



Calibration

/ Pentachloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

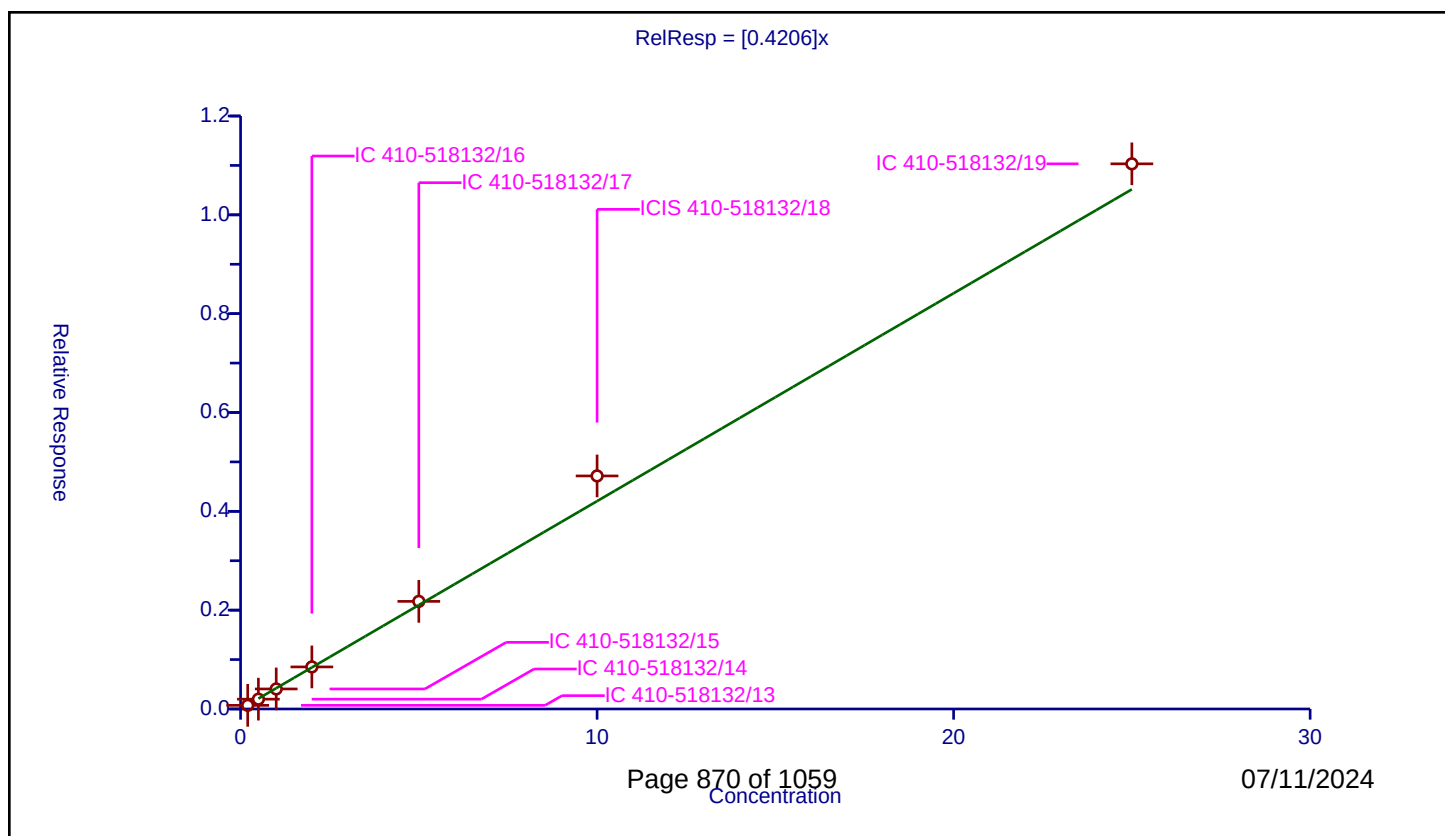
Curve Coefficients

Intercept: 0
 Slope: 0.4206

Error Coefficients

Relative Standard Deviation: 8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.073409	10.0	724570.0	0.367045	Y
2	IC 410-518132/14	0.5	0.198878	10.0	700079.0	0.397755	Y
3	IC 410-518132/15	1.0	0.405582	10.0	755531.0	0.405582	Y
4	IC 410-518132/16	2.0	0.851062	10.0	729171.0	0.425531	Y
5	IC 410-518132/17	5.0	2.177975	10.0	779077.0	0.435595	Y
6	ICIS 410-518132/18	10.0	4.716352	10.0	768999.0	0.471635	Y
7	IC 410-518132/19	25.0	11.032497	10.0	881194.0	0.4413	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

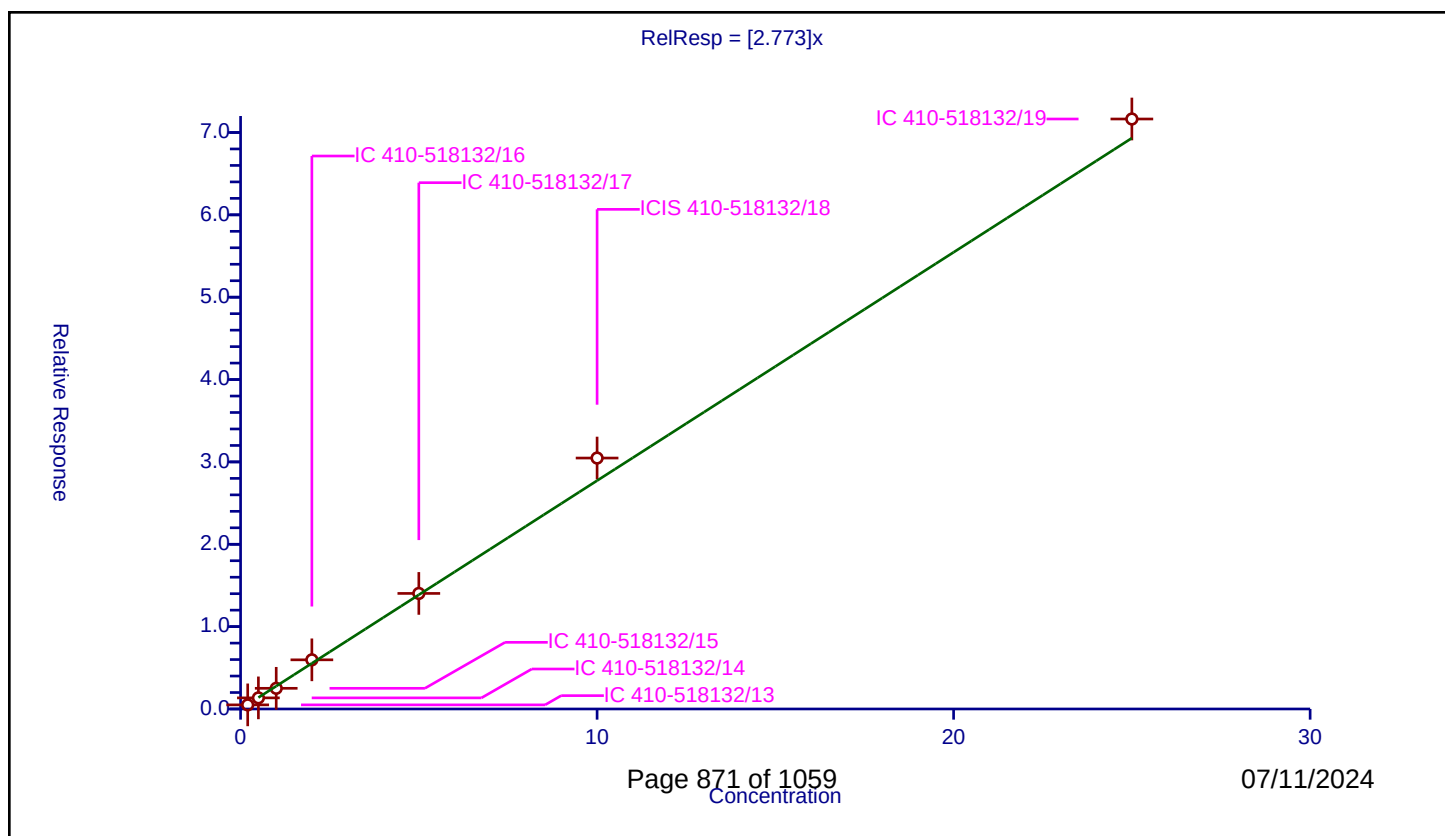
Curve Coefficients

Intercept: 0
Slope: 2.773

Error Coefficients

Relative Standard Deviation: 7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.499096	10.0	724570.0	2.49548	Y
2	IC 410-518132/14	0.5	1.349676	10.0	700079.0	2.699353	Y
3	IC 410-518132/15	1.0	2.510949	10.0	755531.0	2.510949	Y
4	IC 410-518132/16	2.0	5.968915	10.0	729171.0	2.984458	Y
5	IC 410-518132/17	5.0	14.03163	10.0	779077.0	2.806326	Y
6	ICIS 410-518132/18	10.0	30.469715	10.0	768999.0	3.046971	Y
7	IC 410-518132/19	25.0	71.636337	10.0	881194.0	2.865453	Y



Calibration

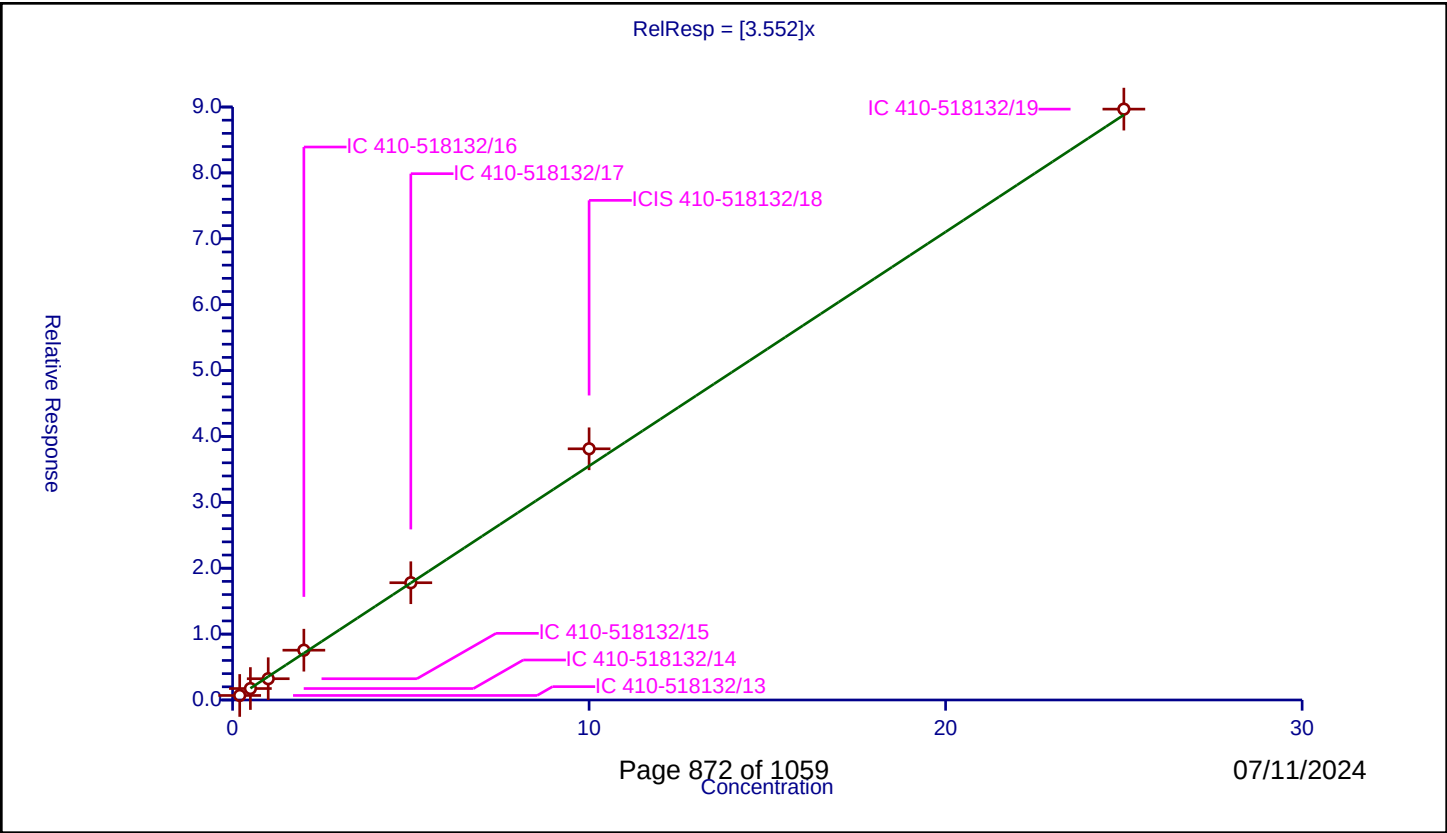
/ sec-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.552
Error Coefficients	

Relative Standard Deviation: 5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.684227	10.0	724570.0	3.421133	Y
2	IC 410-518132/14	0.5	1.73819	10.0	700079.0	3.476379	Y
3	IC 410-518132/15	1.0	3.228974	10.0	755531.0	3.228974	Y
4	IC 410-518132/16	2.0	7.559599	10.0	729171.0	3.779799	Y
5	IC 410-518132/17	5.0	17.797612	10.0	779077.0	3.559522	Y
6	ICIS 410-518132/18	10.0	38.122676	10.0	768999.0	3.812268	Y
7	IC 410-518132/19	25.0	89.681285	10.0	881194.0	3.587251	Y



Calibration

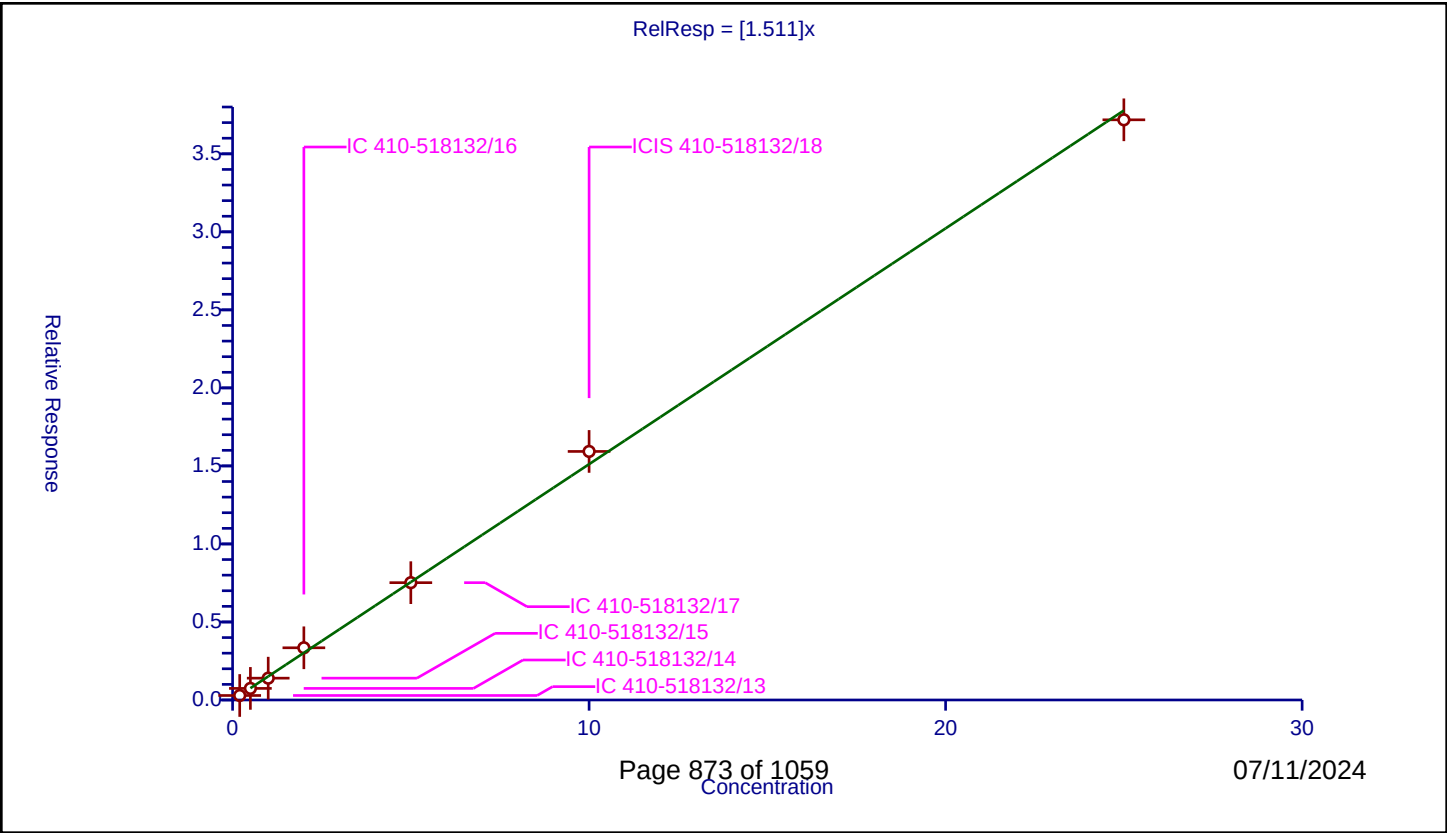
/ 1,3-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.511
Error Coefficients	

Relative Standard Deviation: 6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.287426	10.0	724570.0	1.437128	Y
2	IC 410-518132/14	0.5	0.742902	10.0	700079.0	1.485804	Y
3	IC 410-518132/15	1.0	1.398685	10.0	755531.0	1.398685	Y
4	IC 410-518132/16	2.0	3.344469	10.0	729171.0	1.672235	Y
5	IC 410-518132/17	5.0	7.519013	10.0	779077.0	1.503803	Y
6	ICIS 410-518132/18	10.0	15.92807	10.0	768999.0	1.592807	Y
7	IC 410-518132/19	25.0	37.179055	10.0	881194.0	1.487162	Y



Calibration

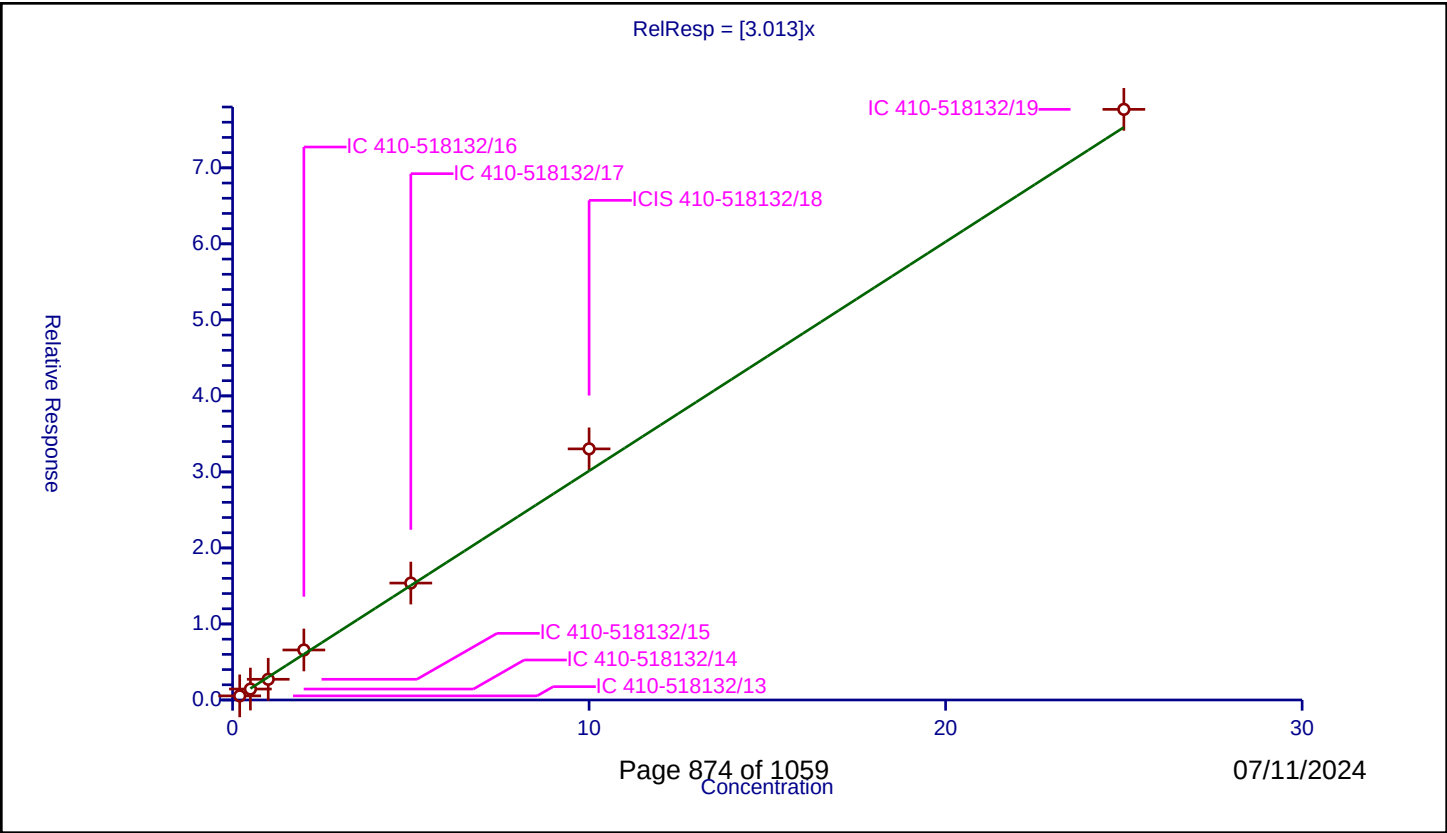
/ 4-Isopropyltoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.013
Error Coefficients	

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.543357	10.0	724570.0	2.716784	Y
2	IC 410-518132/14	0.5	1.438481	10.0	700079.0	2.876961	Y
3	IC 410-518132/15	1.0	2.723555	10.0	755531.0	2.723555	Y
4	IC 410-518132/16	2.0	6.579458	10.0	729171.0	3.289729	Y
5	IC 410-518132/17	5.0	15.380097	10.0	779077.0	3.076019	Y
6	ICIS 410-518132/18	10.0	33.031226	10.0	768999.0	3.303123	Y
7	IC 410-518132/19	25.0	77.692551	10.0	881194.0	3.107702	Y



Calibration

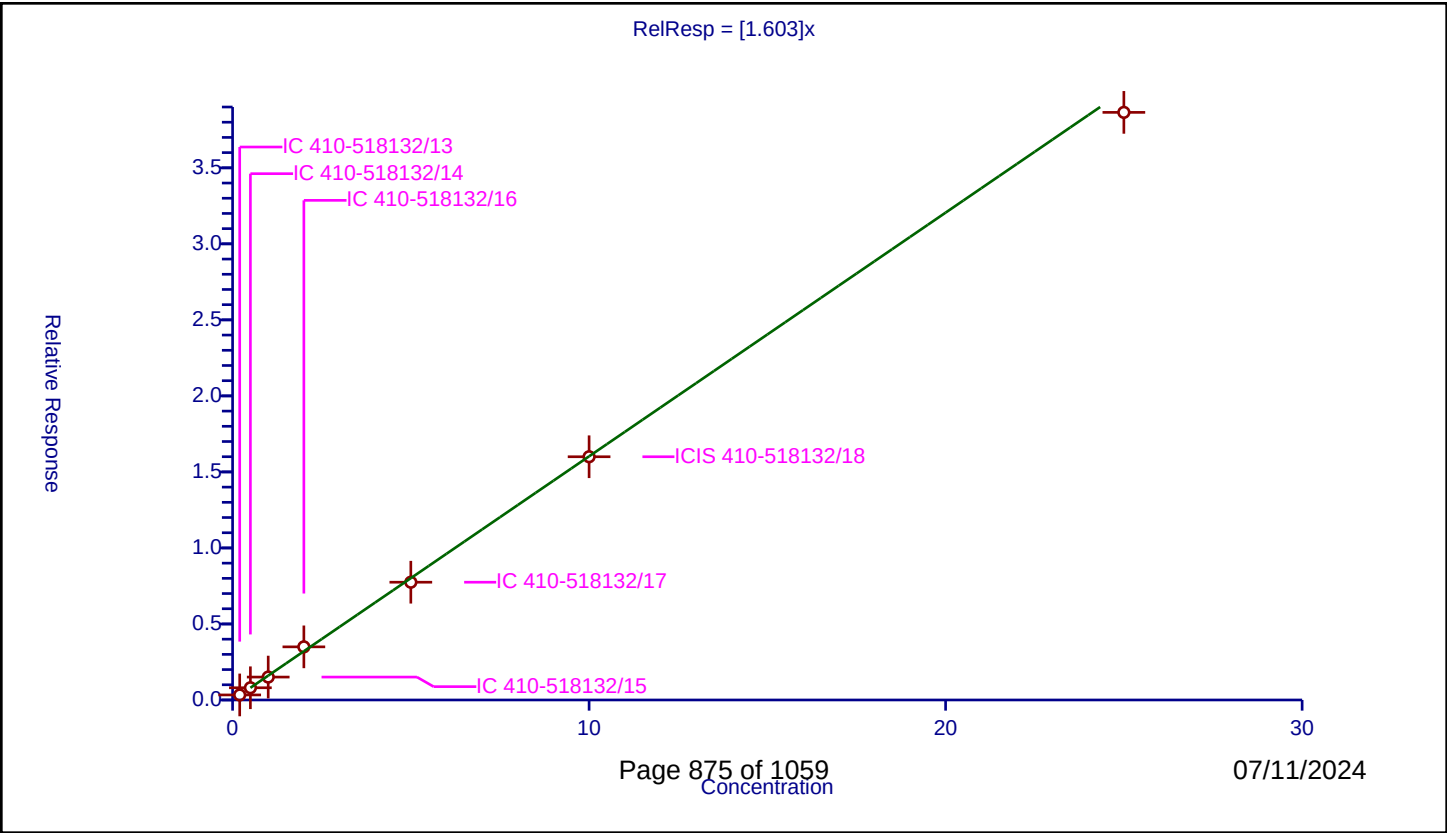
/ 1,4-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.603
Error Coefficients	

Relative Standard Deviation: 5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.331838	10.0	724570.0	1.659191	Y
2	IC 410-518132/14	0.5	0.804709	10.0	700079.0	1.609418	Y
3	IC 410-518132/15	1.0	1.507125	10.0	755531.0	1.507125	Y
4	IC 410-518132/16	2.0	3.49538	10.0	729171.0	1.74769	Y
5	IC 410-518132/17	5.0	7.74668	10.0	779077.0	1.549336	Y
6	ICIS 410-518132/18	10.0	15.997485	10.0	768999.0	1.599749	Y
7	IC 410-518132/19	25.0	38.648255	10.0	881194.0	1.54593	Y

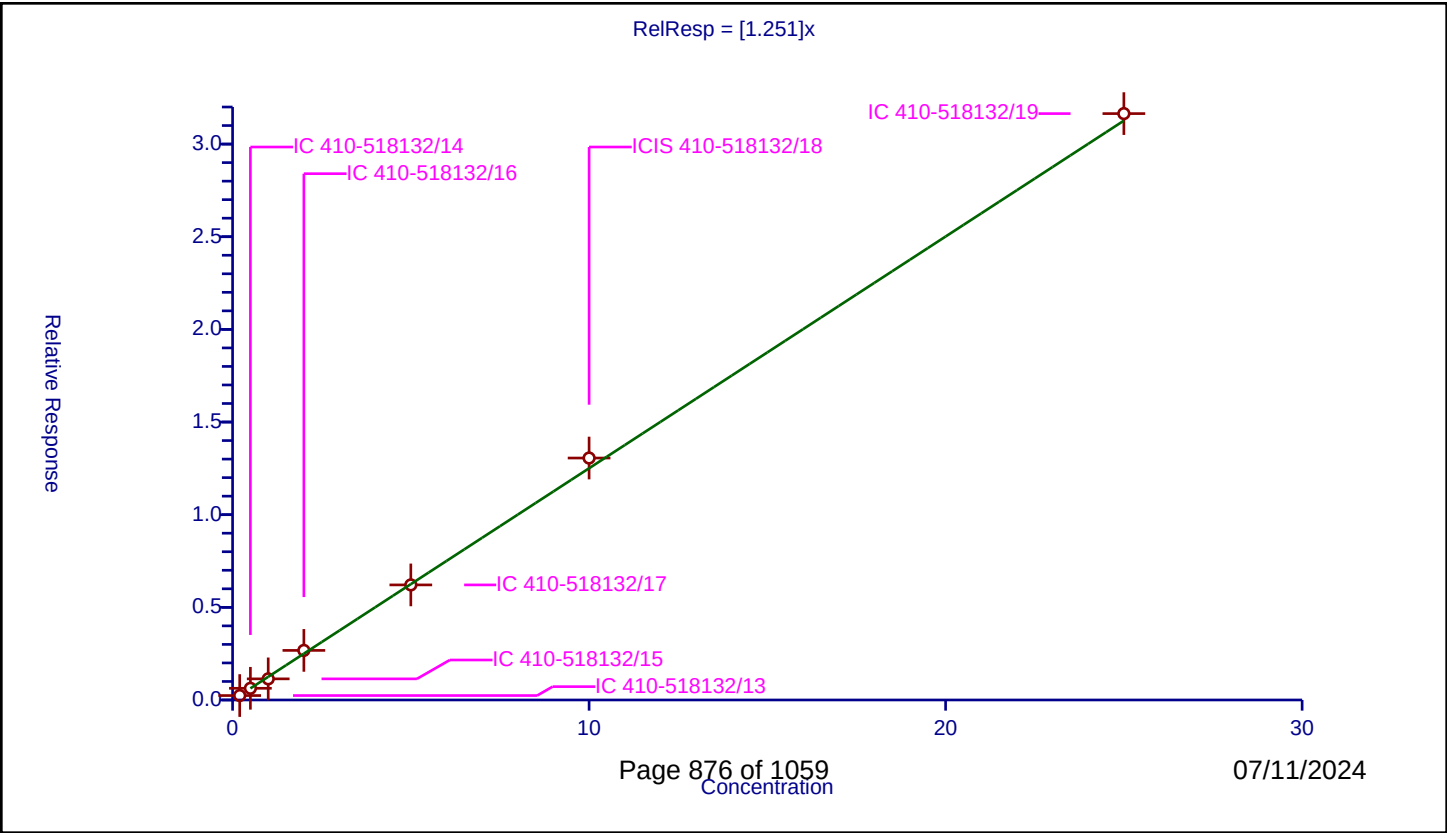


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.251

Error Coefficients	
Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.239784	10.0	724570.0	1.198918	Y
2	IC 410-518132/14	0.5	0.631586	10.0	700079.0	1.263172	Y
3	IC 410-518132/15	1.0	1.140125	10.0	755531.0	1.140125	Y
4	IC 410-518132/16	2.0	2.676286	10.0	729171.0	1.338143	Y
5	IC 410-518132/17	5.0	6.209643	10.0	779077.0	1.241929	Y
6	ICIS 410-518132/18	10.0	13.056896	10.0	768999.0	1.30569	Y
7	IC 410-518132/19	25.0	31.644031	10.0	881194.0	1.265761	Y



Calibration

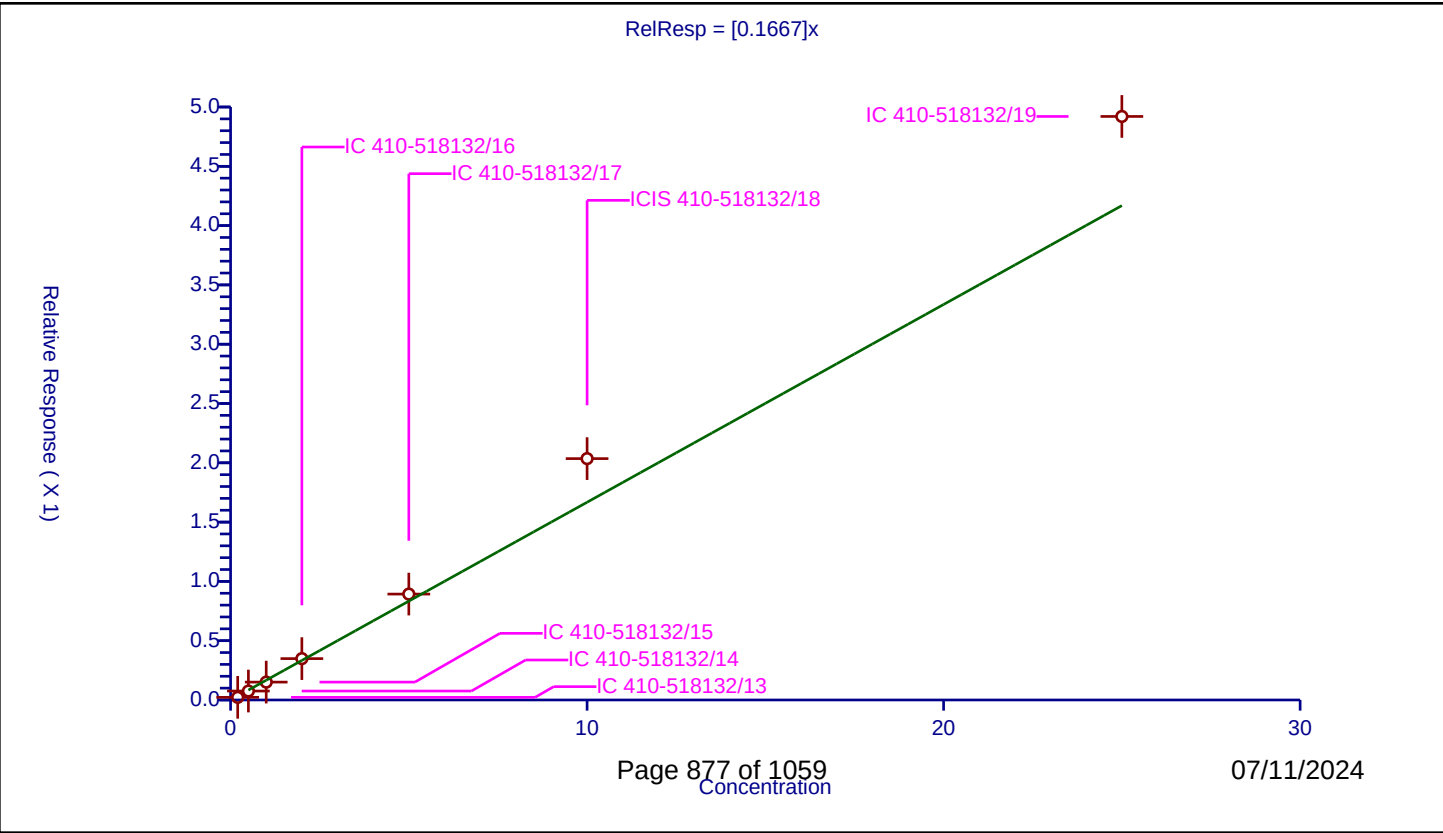
/ Benzyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1667

Error Coefficients	
Relative Standard Deviation:	18.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.022482	10.0	724570.0	0.112411	Y
2	IC 410-518132/14	0.5	0.075406	10.0	700079.0	0.150812	Y
3	IC 410-518132/15	1.0	0.150662	10.0	755531.0	0.150662	Y
4	IC 410-518132/16	2.0	0.348752	10.0	729171.0	0.174376	Y
5	IC 410-518132/17	5.0	0.89307	10.0	779077.0	0.178614	Y
6	ICIS 410-518132/18	10.0	2.035347	10.0	768999.0	0.203535	Y
7	IC 410-518132/19	25.0	4.920324	10.0	881194.0	0.196813	Y



Calibration

/ n-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

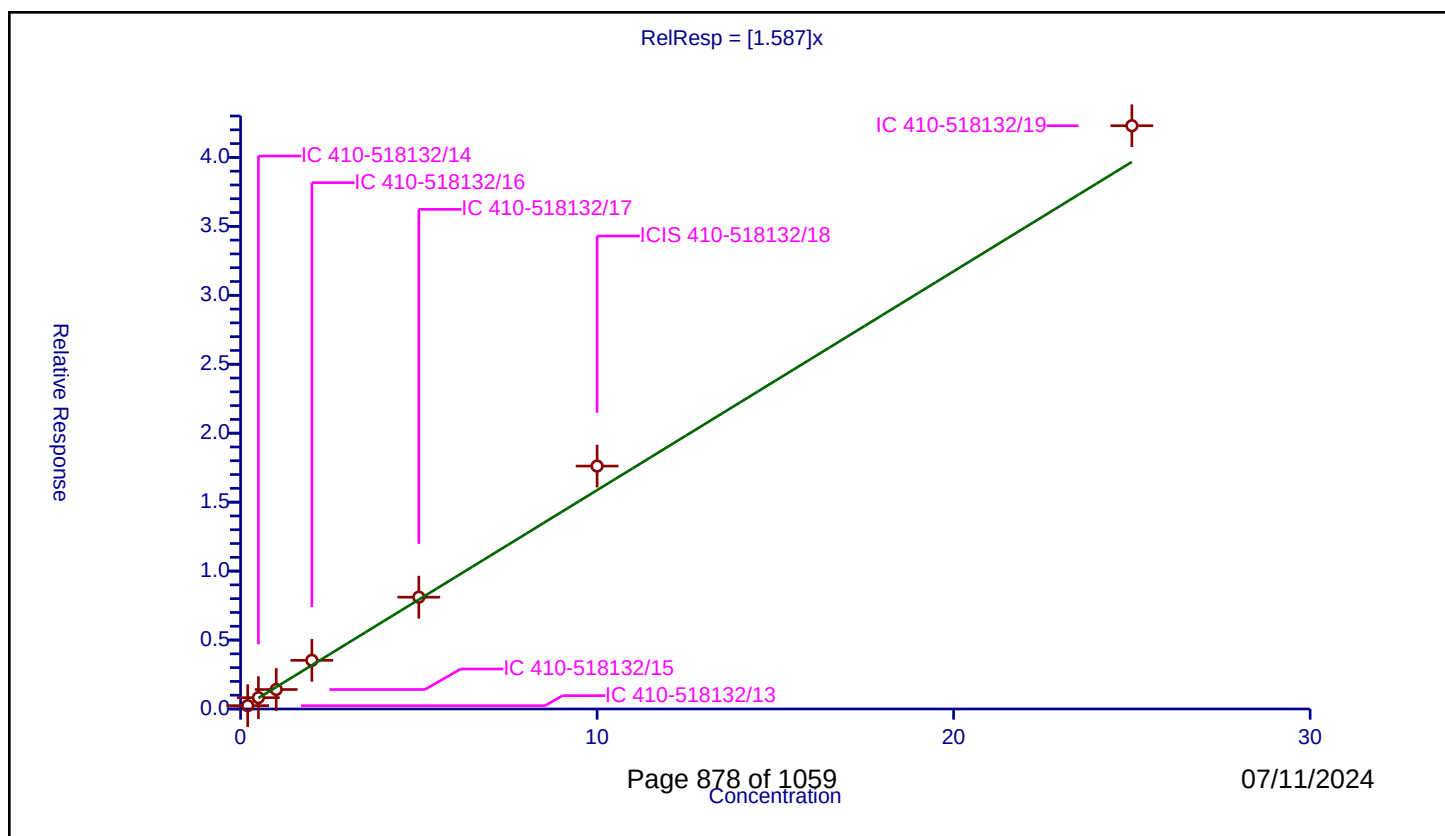
Curve Coefficients

Intercept: 0
 Slope: 1.587

Error Coefficients

Relative Standard Deviation: 12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.242558	10.0	724570.0	1.212788	Y
2	IC 410-518132/14	0.5	0.821422	10.0	700079.0	1.642843	Y
3	IC 410-518132/15	1.0	1.413192	10.0	755531.0	1.413192	Y
4	IC 410-518132/16	2.0	3.528473	10.0	729171.0	1.764236	Y
5	IC 410-518132/17	5.0	8.107324	10.0	779077.0	1.621465	Y
6	ICIS 410-518132/18	10.0	17.615836	10.0	768999.0	1.761584	Y
7	IC 410-518132/19	25.0	42.296804	10.0	881194.0	1.691872	Y



Calibration

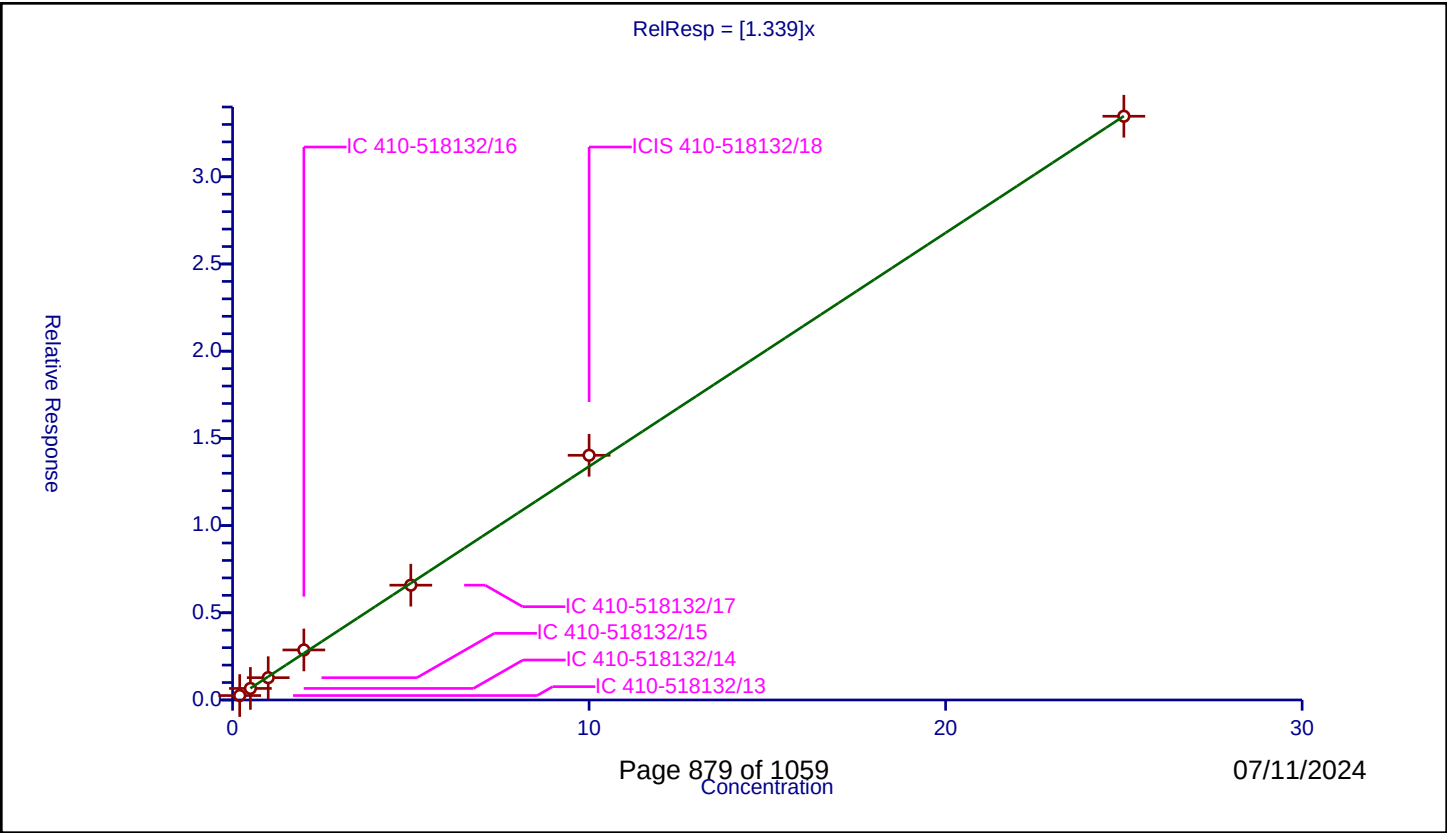
/ 1,2-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.339
Error Coefficients	

Relative Standard Deviation: 4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.25502	10.0	724570.0	1.275101	Y
2	IC 410-518132/14	0.5	0.663411	10.0	700079.0	1.326822	Y
3	IC 410-518132/15	1.0	1.27918	10.0	755531.0	1.27918	Y
4	IC 410-518132/16	2.0	2.869409	10.0	729171.0	1.434705	Y
5	IC 410-518132/17	5.0	6.583419	10.0	779077.0	1.316684	Y
6	ICIS 410-518132/18	10.0	14.031007	10.0	768999.0	1.403101	Y
7	IC 410-518132/19	25.0	33.470893	10.0	881194.0	1.338836	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

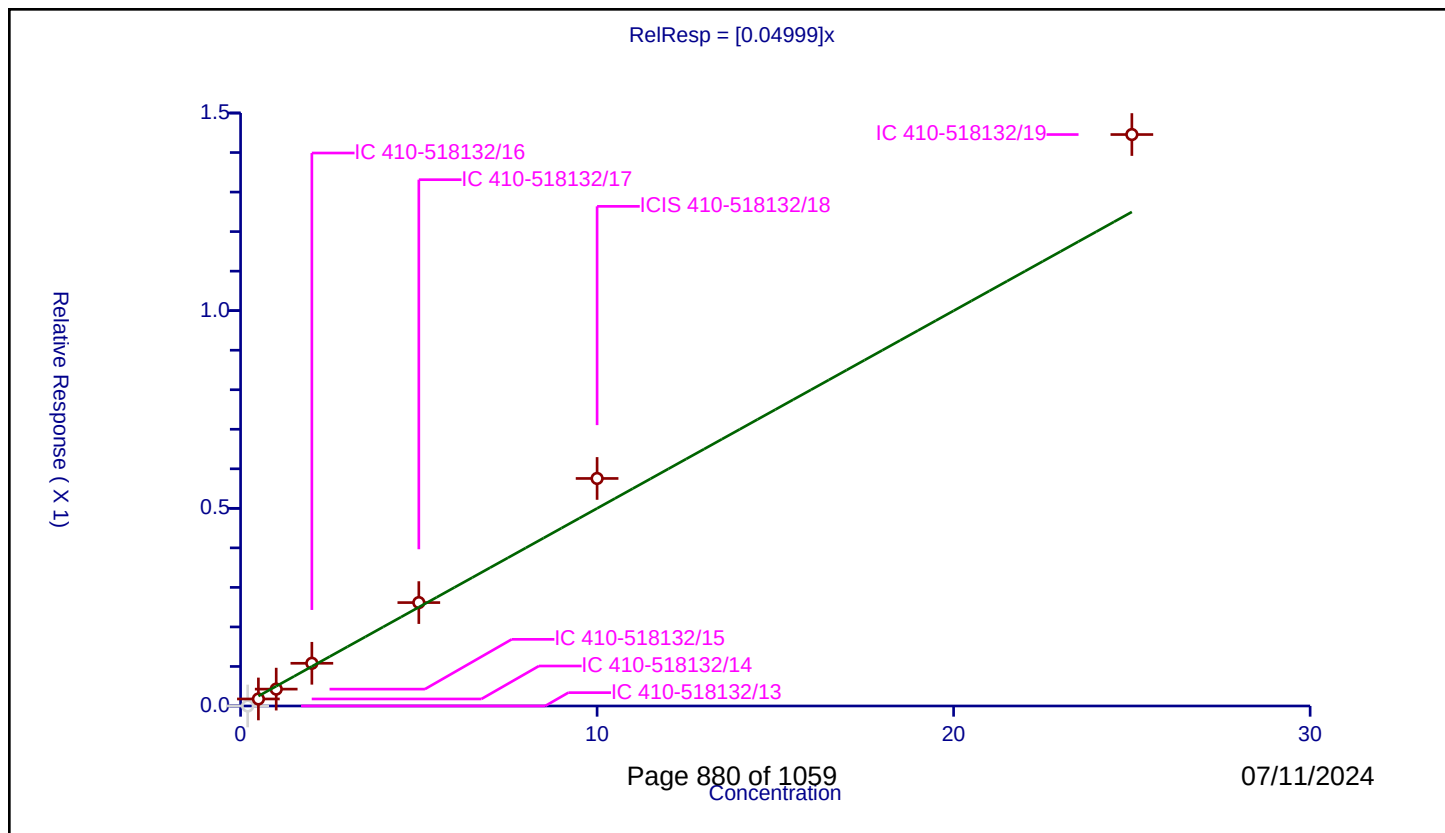
Curve Coefficients

Intercept: 0
 Slope: 0.04999

Error Coefficients

Relative Standard Deviation: 17.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.0	10.0	724570.0	0.0	N
2	IC 410-518132/14	0.5	0.017769	10.0	700079.0	0.035539	Y
3	IC 410-518132/15	1.0	0.042698	10.0	755531.0	0.042698	Y
4	IC 410-518132/16	2.0	0.107999	10.0	729171.0	0.054	Y
5	IC 410-518132/17	5.0	0.261566	10.0	779077.0	0.052313	Y
6	ICIS 410-518132/18	10.0	0.575553	10.0	768999.0	0.057555	Y
7	IC 410-518132/19	25.0	1.445584	10.0	881194.0	0.057823	Y



Calibration

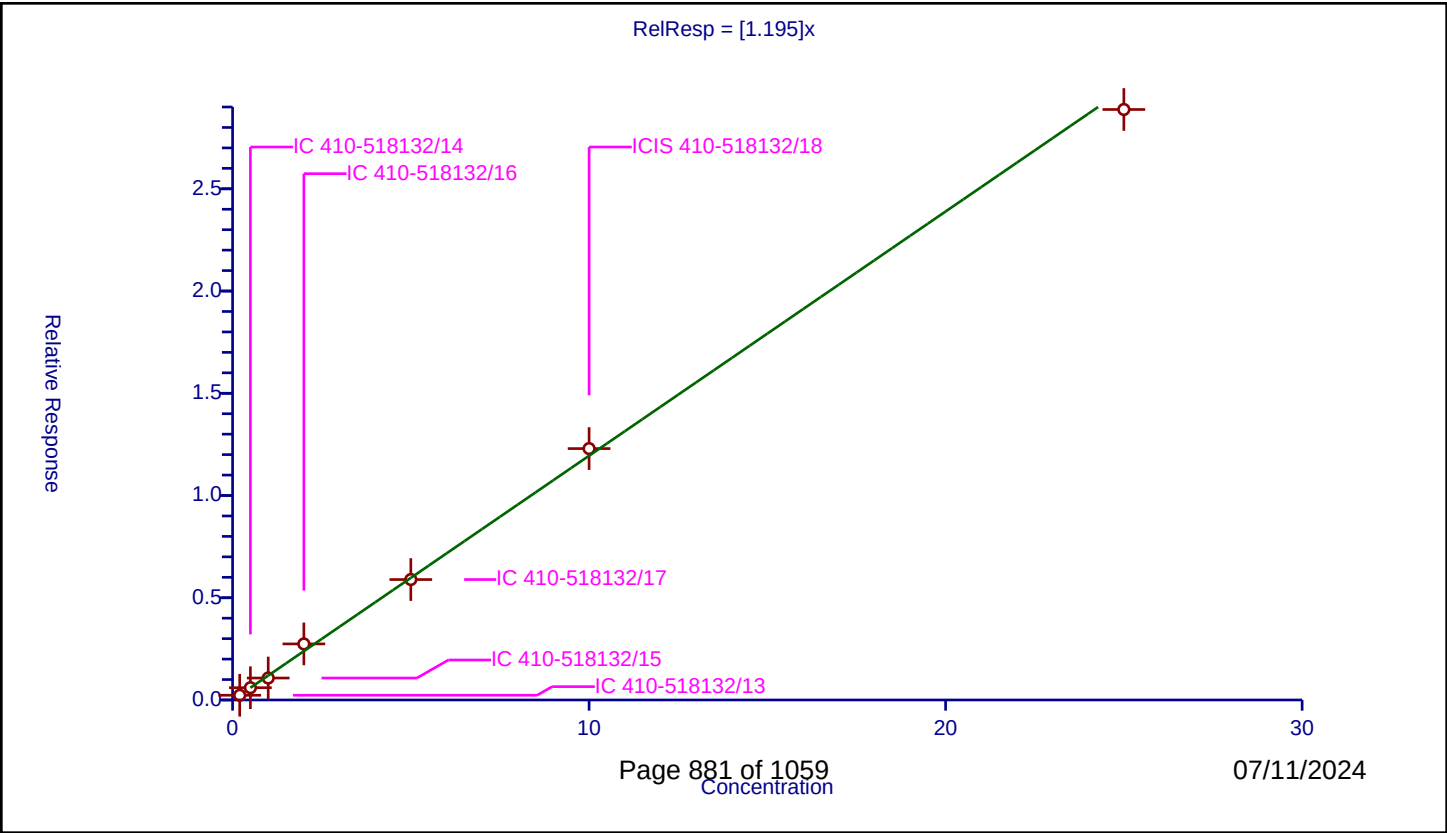
/ 1,3,5-Trichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.195
Error Coefficients	

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.230882	10.0	724570.0	1.154409	Y
2	IC 410-518132/14	0.5	0.600089	10.0	700079.0	1.200179	Y
3	IC 410-518132/15	1.0	1.073682	10.0	755531.0	1.073682	Y
4	IC 410-518132/16	2.0	2.741373	10.0	729171.0	1.370687	Y
5	IC 410-518132/17	5.0	5.890573	10.0	779077.0	1.178115	Y
6	ICIS 410-518132/18	10.0	12.29497	10.0	768999.0	1.229497	Y
7	IC 410-518132/19	25.0	28.879282	10.0	881194.0	1.155171	Y



Calibration

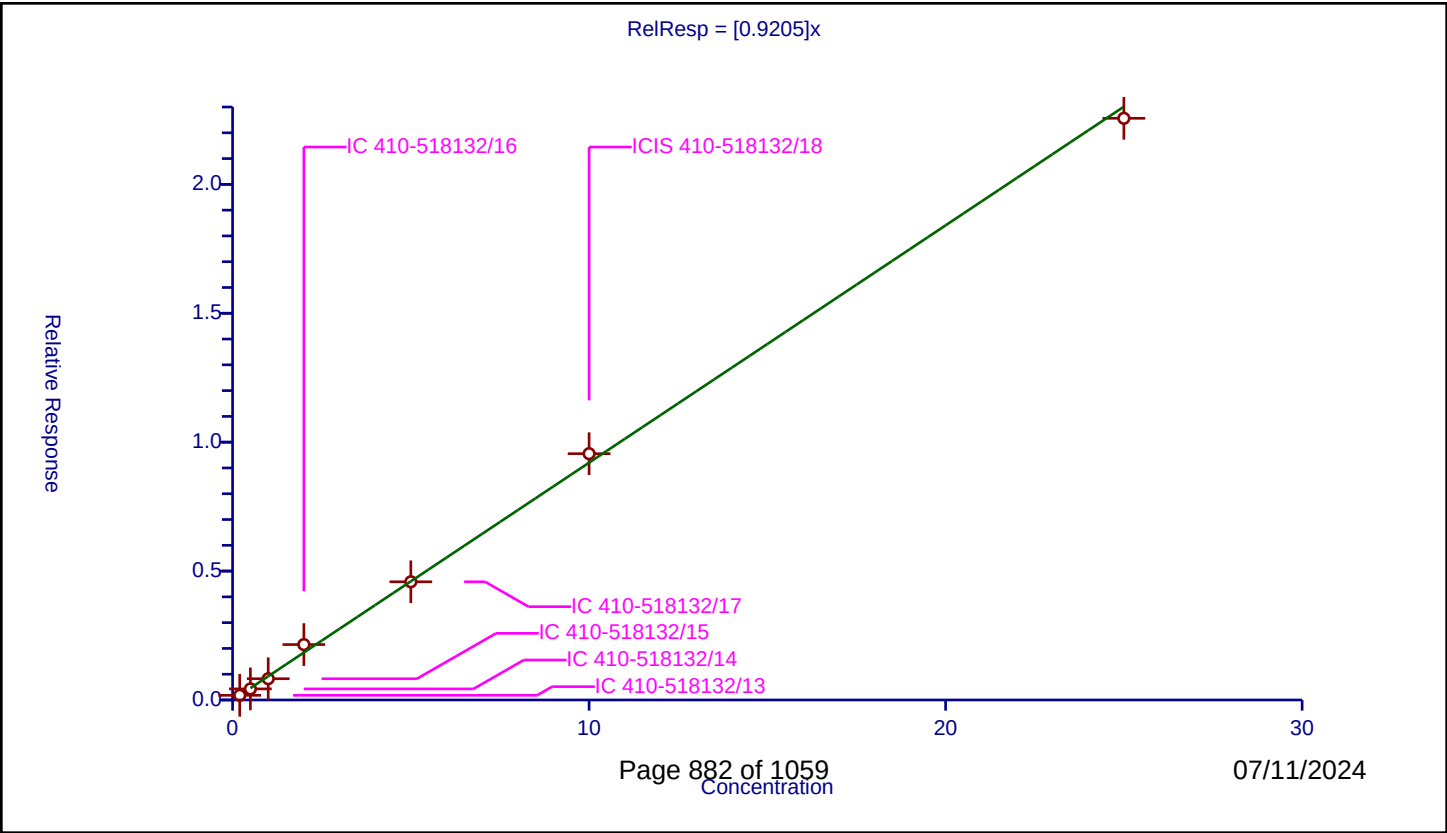
/ 1,2,4-Trichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9205
Error Coefficients	

Relative Standard Deviation: 8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.181984	10.0	724570.0	0.909919	Y
2	IC 410-518132/14	0.5	0.429637	10.0	700079.0	0.859274	Y
3	IC 410-518132/15	1.0	0.824811	10.0	755531.0	0.824811	Y
4	IC 410-518132/16	2.0	2.149372	10.0	729171.0	1.074686	Y
5	IC 410-518132/17	5.0	4.584374	10.0	779077.0	0.916875	Y
6	ICIS 410-518132/18	10.0	9.55325	10.0	768999.0	0.955325	Y
7	IC 410-518132/19	25.0	22.562455	10.0	881194.0	0.902498	Y



Calibration

/ Hexachlorobutadiene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

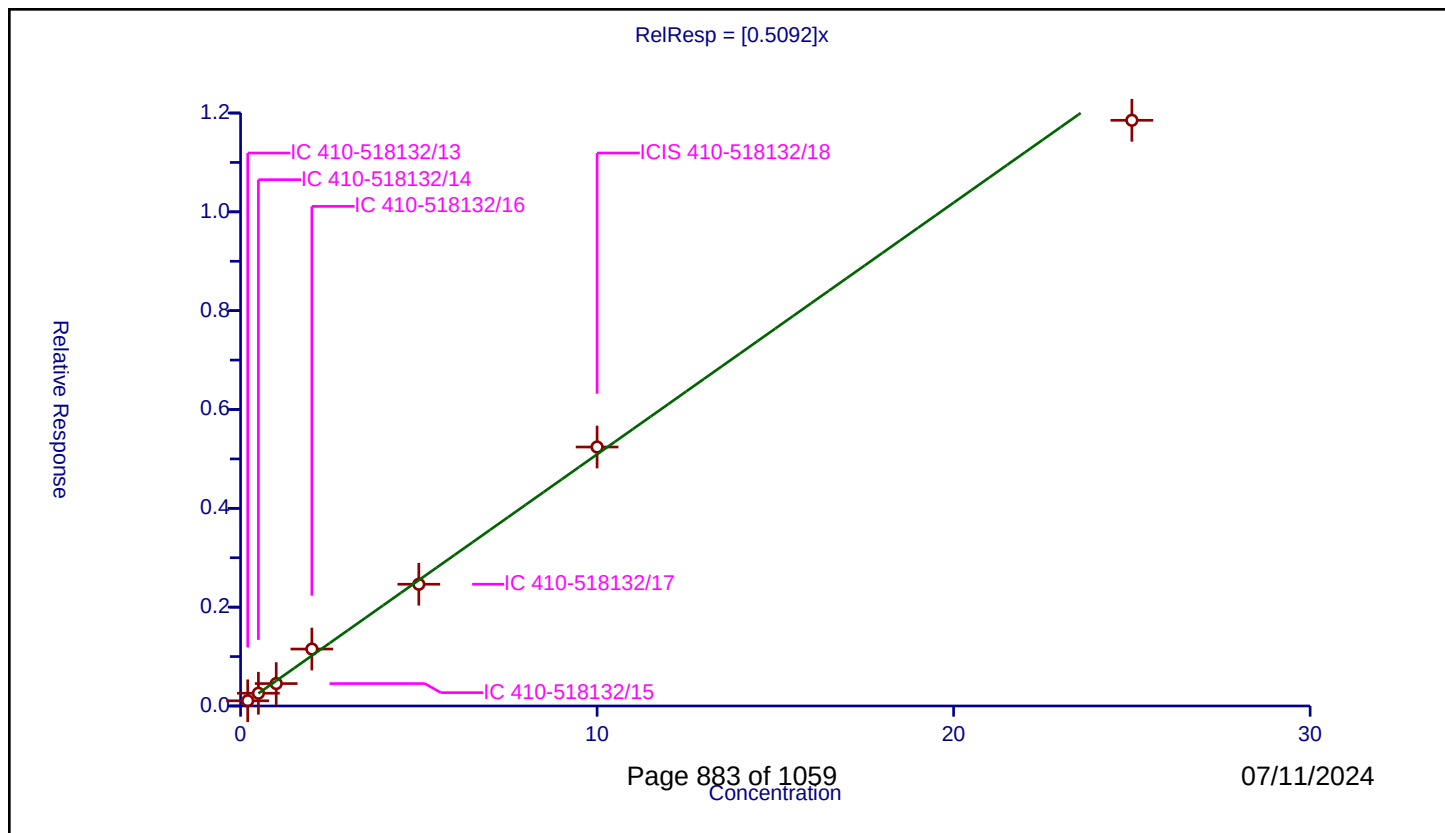
Curve Coefficients

Intercept: 0
 Slope: 0.5092

Error Coefficients

Relative Standard Deviation: 7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.105483	10.0	724570.0	0.527416	Y
2	IC 410-518132/14	0.5	0.258157	10.0	700079.0	0.516313	Y
3	IC 410-518132/15	1.0	0.4538	10.0	755531.0	0.4538	Y
4	IC 410-518132/16	2.0	1.152405	10.0	729171.0	0.576202	Y
5	IC 410-518132/17	5.0	2.463774	10.0	779077.0	0.492755	Y
6	ICIS 410-518132/18	10.0	5.240631	10.0	768999.0	0.524063	Y
7	IC 410-518132/19	25.0	11.852918	10.0	881194.0	0.474117	Y



Calibration

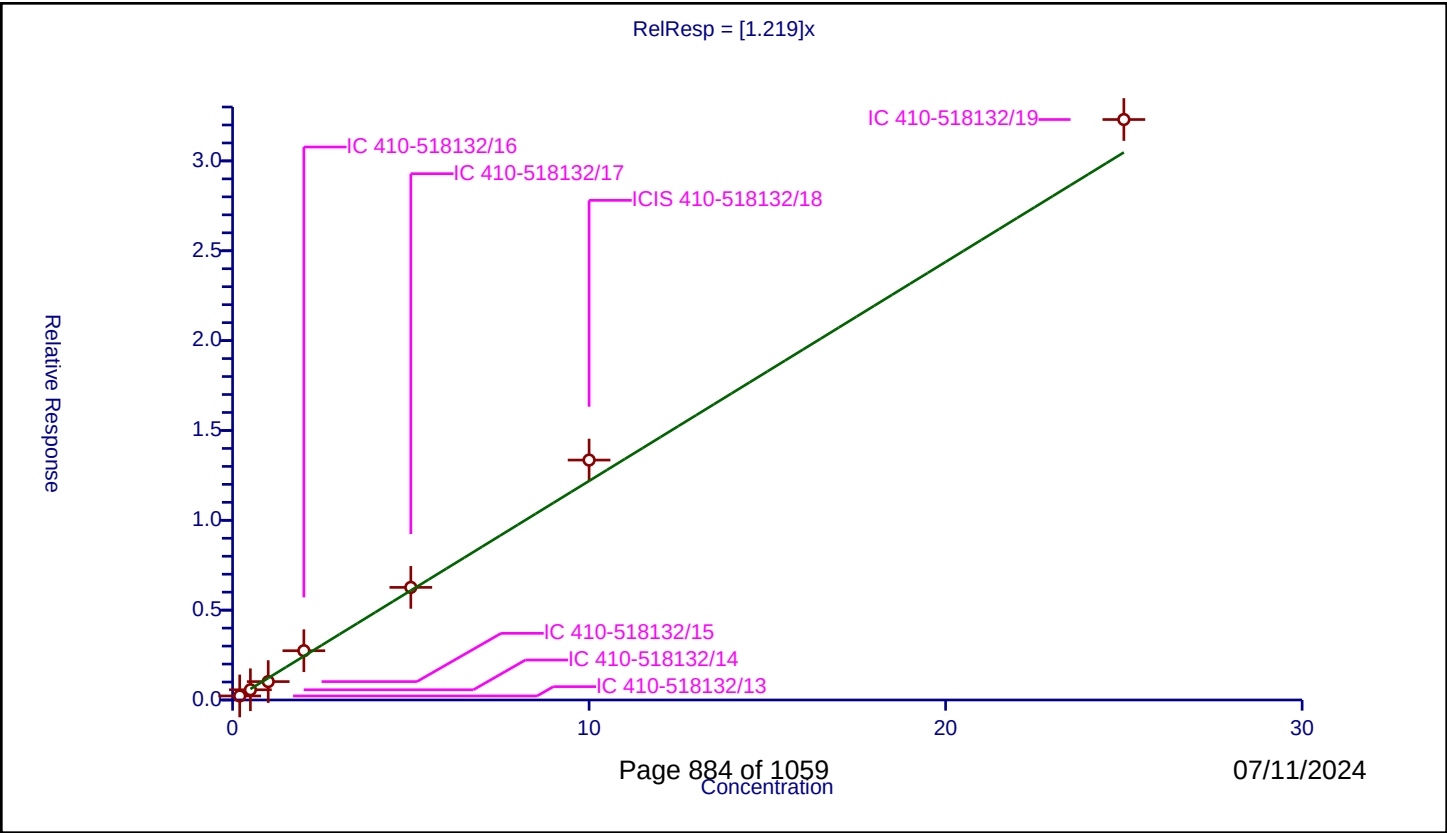
/ Naphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.219
Error Coefficients	

Relative Standard Deviation: 10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.224147	10.0	724570.0	1.120734	Y
2	IC 410-518132/14	0.5	0.568436	10.0	700079.0	1.136872	Y
3	IC 410-518132/15	1.0	1.023466	10.0	755531.0	1.023466	Y
4	IC 410-518132/16	2.0	2.741415	10.0	729171.0	1.370707	Y
5	IC 410-518132/17	5.0	6.267096	10.0	779077.0	1.253419	Y
6	ICIS 410-518132/18	10.0	13.353125	10.0	768999.0	1.335313	Y
7	IC 410-518132/19	25.0	32.304441	10.0	881194.0	1.292178	Y



Calibration

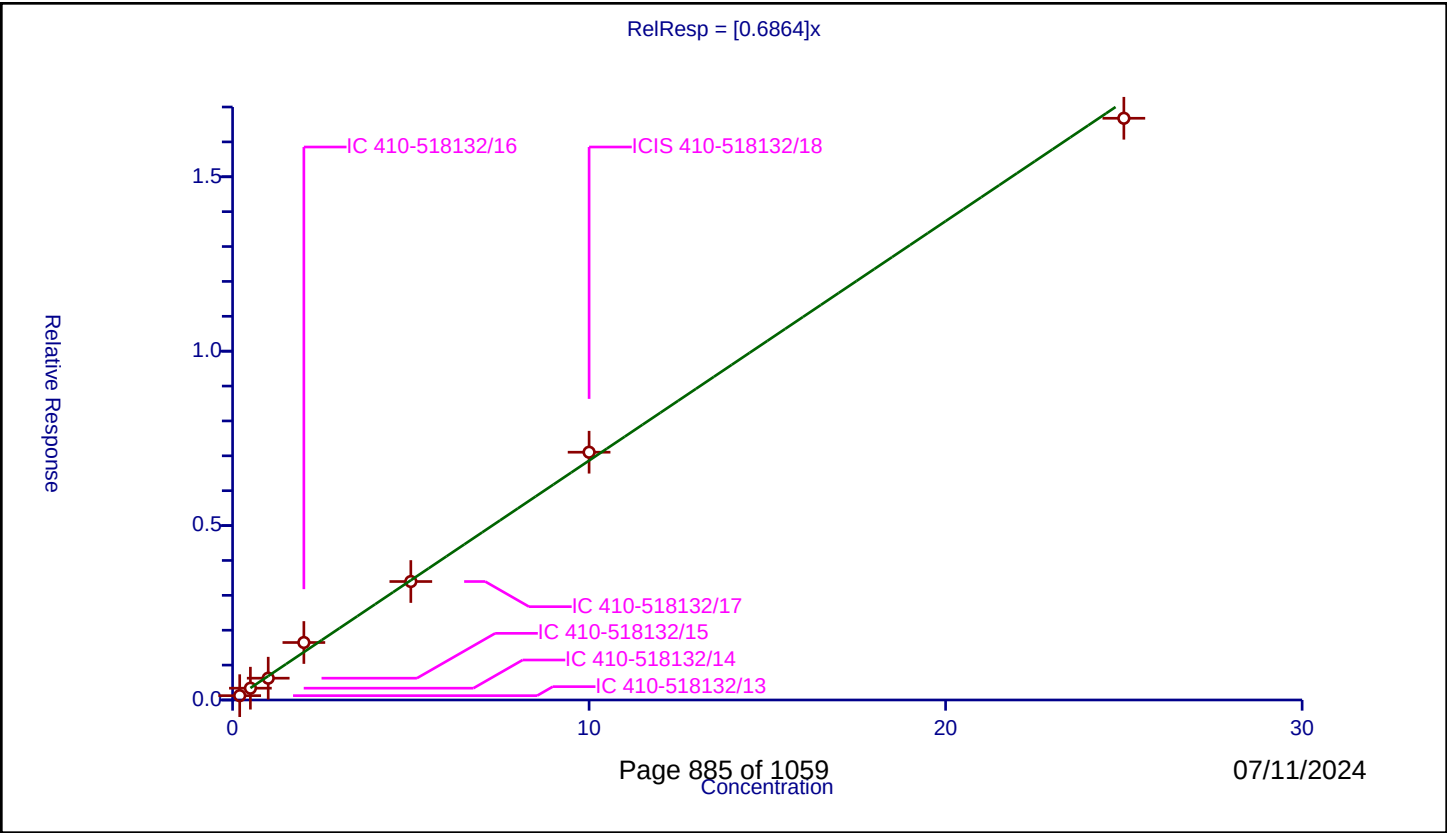
/ 1,2,3-Trichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6864
Error Coefficients	

Relative Standard Deviation: 9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-518132/13	0.2	0.124557	10.0	724570.0	0.622783	Y
2	IC 410-518132/14	0.5	0.338233	10.0	700079.0	0.676467	Y
3	IC 410-518132/15	1.0	0.624792	10.0	755531.0	0.624792	Y
4	IC 410-518132/16	2.0	1.647803	10.0	729171.0	0.823901	Y
5	IC 410-518132/17	5.0	3.396609	10.0	779077.0	0.679322	Y
6	ICIS 410-518132/18	10.0	7.103234	10.0	768999.0	0.710323	Y
7	IC 410-518132/19	25.0	16.67736	10.0	881194.0	0.667094	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.: _____

Lab Sample ID: ICV 410-517601/21

Calibration Date: 06/15/2024 01:30

Instrument ID: 10193

Calib Start Date: 06/14/2024 22:28

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

Calib End Date: 06/15/2024 00:45

Lab File ID: CU14X20.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	0.3321	0.2739	0.1000	4.12	5.00	-17.5	30.0
Chloromethane	Ave	0.3752	0.3285	0.1000	4.38	5.00	-12.5	30.0
Vinyl chloride	Ave	0.3692	0.3265	0.1000	4.42	5.00	-11.6	30.0
1,3-Butadiene	Ave	0.3946	0.3066		3.89	5.00	-22.3	30.0
Bromomethane	Ave	0.2597	0.2385	0.1000	4.59	5.00	-8.2	30.0
Chloroethane	Ave	0.2114	0.1931	0.1000	4.57	5.00	-8.7	30.0
Dichlorofluoromethane	Ave	0.5478	0.4590		4.19	5.00	-16.2	30.0
Trichlorofluoromethane	Ave	0.4296	0.3949	0.1000	4.60	5.00	-8.1	30.0
Ethyl ether	Ave	0.1940	0.1874		4.81	4.98	-3.4	30.0
Freon 123a	Ave	0.3161	0.2906		4.60	5.00	-8.1	30.0
Acrolein	Ave	1.927	1.393		27.2	37.6	-27.7	30.0
1,1-Dichloroethene	Ave	0.2288	0.2409	0.1000	5.27	5.00	5.3	30.0
Acetone	Ave	2.480	2.461	0.1000	62.0	62.5	-0.8	30.0
Freon 113	Ave	0.2354	0.2164	0.1000	4.60	5.00	-8.1	30.0
Methyl iodide	Ave	0.4764	0.4778		5.01	5.00	0.3	30.0
Ethyl bromide	Ave	0.2083	0.2248		5.09	4.72	7.9	30.0
Carbon disulfide	Ave	0.7426	0.7638	0.1000	5.14	5.00	2.9	30.0
Methyl acetate	Ave	7.119	7.001	0.1000	4.92	5.00	-1.7	30.0
Allyl chloride	Ave	0.3800	0.3664		4.82	5.00	-3.6	30.0
Methylene Chloride	Ave	0.2726	0.2679	0.1000	4.91	5.00	-1.7	30.0
t-Butyl alcohol	Ave	0.9667	1.028		53.1	50.0	6.3	30.0
Acrylonitrile	Ave	3.621	3.690		25.5	25.0	1.9	30.0
Methyl tert-butyl ether	Ave	0.6983	0.6832	0.1000	4.89	5.00	-2.2	30.0
trans-1,2-Dichloroethene	Ave	0.2730	0.2774	0.1000	5.08	5.00	1.6	30.0
n-Hexane	Ave	0.3546	0.3454		4.87	5.00	-2.6	30.0
1,1-Dichloroethane	Ave	0.4690	0.4860	0.2000	5.18	5.00	3.6	30.0
di-Isopropyl ether	Ave	0.8360	0.8106		4.85	5.00	-3.0	30.0
2-Chloro-1,3-butadiene	Ave	0.3890	0.3804		4.89	5.00	-2.2	30.0
Ethyl t-butyl ether	Ave	0.8190	0.8225		5.02	5.00	0.4	30.0
2-Butanone (MEK)	Ave	4.550	4.914	0.1000	67.5	62.5	8.0	30.0
cis-1,2-Dichloroethene	Ave	0.3067	0.3126	0.1000	5.10	5.00	1.9	30.0
2,2-Dichloropropane	Ave	0.3888	0.3824		4.92	5.00	-1.6	30.0
Propionitrile	Ave	1.228	1.460		44.6	37.5	19.0	30.0
Methacrylonitrile	Ave	4.499	4.972		41.4	37.5	10.5	30.0
Bromochloromethane	Ave	0.1416	0.1470		5.19	5.00	3.8	30.0
Tetrahydrofuran	Ave	1.421	1.464		25.8	25.0	3.0	30.0
Chloroform	Ave	0.4969	0.4803	0.2000	4.83	5.00	-3.3	30.0
1,1,1-Trichloroethane	Ave	0.4151	0.4275	0.1000	5.15	5.00	3.0	30.0
Cyclohexane	Ave	0.4421	0.4202	0.1000	4.75	5.00	-5.0	30.0
Carbon tetrachloride	Ave	0.3759	0.3864	0.1000	5.14	5.00	2.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.: _____

Lab Sample ID: ICV 410-517601/21

Calibration Date: 06/15/2024 01:30

Instrument ID: 10193

Calib Start Date: 06/14/2024 22:28

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

Calib End Date: 06/15/2024 00:45

Lab File ID: CU14X20.D

Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.3711	0.3729		5.02	5.00	0.5	30.0
Isobutyl alcohol	Ave	0.3468	0.3811		137	125	9.9	30.0
Benzene	Ave	1.115	1.128	0.5000	5.06	5.00	1.2	30.0
1,2-Dichloroethane	Ave	0.2845	0.2922	0.1000	5.14	5.00	2.7	30.0
t-Amyl methyl ether	Ave	0.7612	0.7594		4.99	5.00	-0.2	30.0
n-Heptane	Ave	0.3677	0.3772		5.13	5.00	2.6	30.0
n-Butanol	Ave	0.3188	0.3694		290	250	15.9	30.0
Trichloroethene	Ave	0.3070	0.3041	0.2000	4.95	5.00	-1.0	30.0
Methylcyclohexane	Ave	0.4921	0.4789	0.1000	4.87	5.00	-2.7	30.0
1,2-Dichloropropane	Ave	0.2855	0.2874	0.1000	5.03	5.00	0.7	30.0
1,4-Dioxane	Ave	0.0626	0.0725	0.0050	145	125	16.0	30.0
Dibromomethane	Ave	0.1454	0.1453		5.00	5.00	-0.0	30.0
Methyl methacrylate	Ave	9.434	9.936		5.27	5.00	5.3	30.0
Bromodichloromethane	Ave	0.3445	0.3513	0.2000	5.10	5.00	2.0	30.0
2-Nitropropane	Ave	2.541	2.610		5.13	5.00	2.7	30.0
1-Bromo-2-chloroethane	Ave	0.2792	0.2891		5.18	5.00	3.5	30.0
cis-1,3-Dichloropropene	Ave	0.4460	0.4347	0.2000	4.87	5.00	-2.5	30.0
4-Methyl-2-pentanone (MIBK)	Ave	11.64	12.41	0.1000	66.6	62.5	6.6	30.0
Toluene	Ave	0.9498	0.9540	0.4000	5.02	5.00	0.4	30.0
trans-1,3-Dichloropropene	Ave	0.4840	0.4935	0.1000	5.10	5.00	2.0	30.0
Ethyl methacrylate	Ave	0.4146	0.4078		4.92	5.00	-1.6	30.0
1,1,2-Trichloroethane	Ave	0.2748	0.2728	0.1000	4.96	5.00	-0.8	30.0
Tetrachloroethene	Ave	0.4717	0.4871	0.2000	5.16	5.00	3.3	30.0
1,3-Dichloropropane	Ave	0.4567	0.4654		5.09	5.00	1.9	30.0
2-Hexanone	Ave	8.457	9.136	0.1000	67.5	62.5	8.0	30.0
Dibromochloromethane	Ave	0.3530	0.3642		5.16	5.00	3.2	30.0
1,2-Dibromoethane (EDB)	Ave	0.2725	0.2780	0.1000	5.10	5.00	2.0	30.0
1-Chlorohexane	Ave	0.5567	0.5116		4.60	5.00	-8.1	30.0
Chlorobenzene	Ave	1.135	1.156	0.5000	5.09	5.00	1.8	30.0
1,1,1,2-Tetrachloroethane	Ave	0.4002	0.4080		5.10	5.00	1.9	30.0
Ethylbenzene	Ave	1.865	1.889	0.1000	5.07	5.00	1.3	30.0
m&p-Xylene	Ave	0.7638	0.7675	0.1000	10.0	10.0	0.5	30.0
o-Xylene	Ave	0.7529	0.7528	0.3000	5.00	5.00	-0.0	30.0
Styrene	Ave	1.248	1.276	0.3000	5.12	5.00	2.3	30.0
Bromoform	Ave	0.2276	0.2271	0.1000	4.99	5.00	-0.2	30.0
Isopropylbenzene	Ave	1.787	1.944	0.1000	5.44	5.00	8.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5837	0.5844	0.3000	5.01	5.00	0.1	30.0
Bromobenzene	Ave	0.8797	0.8865		5.04	5.00	0.8	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1371	0.1396		25.5	25.0	1.8	30.0
1,2,3-Trichloropropane	Ave	0.1621	0.1641		5.06	5.00	1.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Lab Sample ID: ICV 410-517601/21

Calibration Date: 06/15/2024 01:30

Instrument ID: 10193

Calib Start Date: 06/14/2024 22:28

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

Calib End Date: 06/15/2024 00:45

Lab File ID: CU14X20.D

Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	3.782	3.855		5.10	5.00	1.9	30.0
2-Chlorotoluene	Ave	0.8480	0.8362		4.93	5.00	-1.4	30.0
1,3,5-Trimethylbenzene	Ave	2.825	2.852		5.05	5.00	1.0	30.0
4-Chlorotoluene	Ave	0.8841	0.8800		4.98	5.00	-0.5	30.0
tert-Butylbenzene	Ave	0.6793	0.6776		4.99	5.00	-0.2	30.0
Pentachloroethane	Ave	0.5092	0.5306		5.21	5.00	4.2	30.0
1,2,4-Trimethylbenzene	Ave	2.917	2.888		4.95	5.00	-1.0	30.0
sec-Butylbenzene	Ave	3.645	3.671		5.04	5.00	0.7	30.0
1,3-Dichlorobenzene	Ave	1.738	1.740	0.6000	5.00	5.00	0.0	30.0
p-Isopropyltoluene	Ave	3.276	3.278		5.00	5.00	0.0	30.0
1,4-Dichlorobenzene	Ave	1.778	1.786	0.5000	5.02	5.00	0.5	30.0
1,2,3-Trimethylbenzene	Ave	1.346	1.307		4.86	5.00	-2.9	30.0
Benzyl chloride	Ave	0.2675	0.2527		4.72	5.00	-5.5	30.0
n-Butylbenzene	Ave	1.573	1.571		4.99	5.00	-0.1	30.0
1,2-Dichlorobenzene	Ave	1.587	1.611	0.4000	5.08	5.00	1.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0967	0.0964	0.0500	4.99	5.00	-0.3	30.0
1,3,5-Trichlorobenzene	Ave	1.348	1.354		5.02	5.00	0.4	30.0
1,2,4-Trichlorobenzene	Ave	1.093	1.126	0.2000	5.15	5.00	3.1	30.0
Hexachlorobutadiene	Ave	0.5642	0.5869		5.20	5.00	4.0	30.0
Naphthalene	Ave	1.730	1.810		5.23	5.00	4.6	30.0
1,2,3-Trichlorobenzene	Ave	0.8521	0.8739		5.13	5.00	2.6	30.0
Dibromofluoromethane (Surr)	Ave	0.2422	0.2424		10.0	10.0	0.1	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0495	0.0493		9.95	10.0	-0.5	30.0
Toluene-d8 (Surr)	Ave	1.281	1.284		10.0	10.0	0.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4817	0.4806		9.98	10.0	-0.2	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X20.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 15-Jun-2024 01:30:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116724-021
 Misc. Info.: ICV LG
 Operator ID: MEC29284 Instrument ID: 10193
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 19:29:21 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1606

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.793	1.799	-0.006	99	306908	5.00	4.12	
5 Chloromethane	50	1.976	1.982	-0.006	99	367985	5.00	4.38	
6 Vinyl chloride	62	2.079	2.085	-0.006	98	365803	5.00	4.42	
7 Butadiene	39	2.085	2.085	0.000	89	343507	5.00	3.89	
9 Bromomethane	94	2.396	2.396	0.000	90	267228	5.00	4.59	
10 Chloroethane	64	2.439	2.445	-0.006	100	216324	5.00	4.57	
11 Dichlorofluoromethane	67	2.683	2.689	-0.006	97	514185	5.00	4.19	
13 Pentane	43	2.732	2.738	-0.006	97	416644	5.00	5.07	
12 Trichlorofluoromethane	101	2.738	2.744	-0.006	98	442432	5.00	4.60	
14 Ethyl ether	59	2.921	2.921	0.000	90	209319	4.98	4.81	
16 1,2-Dichloro-1,1,2-trifluoroethane	67	3.012	3.018	-0.006	91	325544	5.00	4.60	
17 Acrolein	56	3.073	3.073	0.000	99	175224	37.6	27.2	M
18 1,1-Dichloroethene	96	3.189	3.195	-0.006	97	269920	5.00	5.27	
20 Acetone	43	3.219	3.219	0.000	100	514603	62.5	62.0	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.238	3.244	-0.006	90	242435	5.00	4.60	
24 Isopropyl alcohol	45	3.366	3.366	0.000	32	63696	37.5	37.3	
22 Iodomethane	142	3.366	3.372	-0.006	97	535254	5.00	5.01	
23 Ethyl bromide	108	3.390	3.396	-0.006	98	237468	4.72	5.09	
25 Carbon disulfide	76	3.457	3.463	-0.006	99	855773	5.00	5.14	
26 Methyl acetate	43	3.591	3.585	0.006	96	117135	5.00	4.92	
29 3-Chloro-1-propene	41	3.609	3.616	-0.007	93	410542	5.00	4.82	
30 Methylene Chloride	84	3.780	3.786	-0.006	90	300165	5.00	4.91	
* 31 t-Butyl alcohol-d10 (IS)	65	3.798	3.798	0.000	96	167301	50.0	50.0	
32 2-Methyl-2-propanol	59	3.896	3.908	-0.012	100	171902	50.0	53.1	
33 Acrylonitrile	53	4.085	4.091	-0.006	99	308657	25.0	25.5	
35 trans-1,2-Dichloroethene	96	4.146	4.146	0.000	99	310740	5.00	5.08	
34 Methyl tert-butyl ether	73	4.134	4.146	-0.012	91	765449	5.00	4.89	
36 Hexane	57	4.560	4.561	-0.001	91	386921	5.00	4.87	
37 1,1-Dichloroethane	63	4.798	4.804	-0.006	95	544453	5.00	5.18	
39 Isopropyl ether	45	4.865	4.871	-0.006	93	908141	5.00	4.85	
40 2-Chloro-1,3-butadiene	53	4.914	4.914	0.000	89	426166	5.00	4.89	

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	5.408	5.414	-0.006	98	921437	5.00	5.02	
42 2-Butanone (MEK)	43	5.615	5.615	0.000	99	1027603	62.5	67.5	
43 cis-1,2-Dichloroethene	96	5.646	5.652	-0.006	80	350271	5.00	5.10	
44 2,2-Dichloropropane	77	5.664	5.670	-0.006	86	428432	5.00	4.92	
45 Propionitrile	54	5.713	5.719	-0.006	98	183237	37.5	44.6	
47 Methacrylonitrile	67	5.926	5.926	0.000	91	623852	37.5	41.4	
49 Tetrahydrofuran	71	5.981	5.981	0.000	78	122488	25.0	25.8	
48 Chlorobromomethane	128	5.981	5.987	-0.006	88	164746	5.00	5.19	
50 Chloroform	83	6.146	6.146	0.000	93	538142	5.00	4.83	
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.365	-0.006	94	543249	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.365	6.371	-0.006	98	478951	5.00	5.15	
55 Cyclohexane	56	6.463	6.463	0.000	89	470773	5.00	4.75	
57 1,1-Dichloropropene	75	6.584	6.585	0.000	97	417764	5.00	5.02	
56 Carbon tetrachloride	117	6.578	6.585	-0.006	95	432932	5.00	5.14	
58 Isobutyl alcohol	41	6.773	6.780	-0.007	96	159396	125.0	137.4	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.822	-0.006	99	110492	10.0	9.95	
60 Benzene	78	6.847	6.853	-0.006	96	1263998	5.00	5.06	
61 1,2-Dichloroethane	62	6.926	6.926	0.000	97	327399	5.00	5.14	
64 Tert-amyl methyl ether	73	7.060	7.060	0.000	98	850822	5.00	4.99	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2240698	10.0	10.0	
66 n-Heptane	43	7.279	7.286	-0.007	93	422580	5.00	5.13	
67 n-Butanol	56	7.682	7.682	0.000	87	309031	250.0	289.7	
68 Trichloroethene	95	7.749	7.755	-0.006	96	340674	5.00	4.95	
69 Methylcyclohexane	83	8.066	8.066	0.000	90	536531	5.00	4.87	
70 1,2-Dichloropropane	63	8.090	8.096	-0.006	97	321941	5.00	5.03	
71 2-ethoxy-2-methyl butane	87	8.121	8.127	-0.006	94	494865	5.00	4.76	
74 1,4-Dioxane	88	8.194	8.194	0.000	29	30336	125.0	144.9	M
73 Methyl methacrylate	69	8.200	8.200	0.000	91	166236	5.00	5.27	
72 Dibromomethane	93	8.200	8.206	-0.006	91	162770	5.00	5.00	
76 Dichlorobromomethane	83	8.450	8.456	-0.006	99	393571	5.00	5.10	
77 2-Nitropropane	41	8.743	8.743	0.000	98	43662	5.00	5.13	
78 1-Bromo-2-chloroethane	63	8.846	8.846	0.000	98	323900	5.00	5.18	
80 cis-1,3-Dichloropropene	75	9.029	9.029	0.000	97	486992	5.00	4.87	
82 4-Methyl-2-pentanone (MIBK)	43	9.230	9.230	0.000	96	2594630	62.5	66.6	
\$ 83 Toluene-d8 (Surr)	98	9.358	9.358	0.000	93	2264682	10.0	10.0	
84 Toluene	92	9.444	9.444	0.000	99	841448	5.00	5.02	
85 trans-1,3-Dichloropropene	75	9.730	9.730	0.000	91	435254	5.00	5.10	
86 Ethyl methacrylate	69	9.803	9.803	0.000	89	359653	5.00	4.92	
87 1,1,2-Trichloroethane	97	9.944	9.944	0.000	90	240583	5.00	4.96	
88 Tetrachloroethene	166	10.023	10.023	0.000	97	429622	5.00	5.16	
89 1,3-Dichloropropane	76	10.114	10.114	0.000	89	410481	5.00	5.09	
106 2-Hexanone	43	10.181	10.181	0.000	95	1910647	62.5	67.5	
108 Chlorodibromomethane	129	10.334	10.334	0.000	89	321200	5.00	5.16	
110 Ethylene Dibromide	107	10.443	10.444	-0.001	99	245181	5.00	5.10	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	83	1763975	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	96	451247	5.00	4.60	
113 Chlorobenzene	112	10.925	10.925	0.000	98	1019194	5.00	5.09	
114 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	97	359809	5.00	5.10	
115 Ethylbenzene	91	11.023	11.023	0.000	98	1666395	5.00	5.07	
116 m-Xylene & p-Xylene	106	11.145	11.145	0.000	97	1353872	10.0	10.0	
118 o-Xylene	106	11.486	11.486	0.000	95	663921	5.00	5.00	
119 Styrene	104	11.498	11.498	0.000	95	1125690	5.00	5.12	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 Bromoform	173	11.657	11.657	0.000	98	200332	5.00	4.99	
121 Isopropylbenzene	105	11.797	11.797	0.000	95	1714682	5.00	5.44	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.943	11.943	0.000	96	847717	10.0	9.98	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	69	301830	5.00	5.01	
125 Bromobenzene	156	12.059	12.059	0.000	86	457855	5.00	5.04	
127 trans-1,4-Dichloro-2-butene	53	12.083	12.083	0.000	89	360532	25.0	25.5	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	80	84750	5.00	5.06	
129 N-Propylbenzene	91	12.138	12.138	0.000	98	1990939	5.00	5.10	
130 2-Chlorotoluene	126	12.211	12.211	0.000	98	431874	5.00	4.93	
131 1,3,5-Trimethylbenzene	105	12.278	12.279	-0.001	94	1472900	5.00	5.05	
132 4-Chlorotoluene	126	12.303	12.303	0.000	96	454521	5.00	4.98	
133 tert-Butylbenzene	134	12.522	12.522	0.000	92	350002	5.00	4.99	
134 Pentachloroethane	167	12.553	12.553	0.000	93	274044	5.00	5.21	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	96	1491847	5.00	4.95	
136 sec-Butylbenzene	105	12.693	12.693	0.000	93	1895830	5.00	5.04	
137 1,3-Dichlorobenzene	146	12.784	12.785	-0.001	98	898477	5.00	5.00	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	1693083	5.00	5.00	
* 139 1,4-Dichlorobenzene-d4	152	12.845	12.845	0.000	93	1032999	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.864	12.864	0.000	96	922681	5.00	5.02	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	98	675223	5.00	4.86	
142 Benzyl chloride	126	12.943	12.943	0.000	98	130535	5.00	4.72	
145 p-Diethylbenzene	119	13.083	13.083	0.000	94	1059172	5.00	5.02	
143 n-Butylbenzene	92	13.101	13.102	-0.001	97	811519	5.00	4.99	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	832218	5.00	5.08	
148 1,2-Dibromo-3-Chloropropane	155	13.681	13.681	0.000	91	49772	5.00	4.99	
149 1,3,5-Trichlorobenzene	180	13.803	13.803	0.000	97	699246	5.00	5.02	
150 1,2,4-Trichlorobenzene	180	14.235	14.235	0.000	94	581715	5.00	5.15	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	97	303152	5.00	5.20	
152 Naphthalene	128	14.418	14.418	0.000	96	934653	5.00	5.23	
153 1,2,3-Trichlorobenzene	180	14.565	14.565	0.000	96	451385	5.00	5.13	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	430962	5.00	5.45	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00171

Amount Added: 12.50

Units: uL

MSV_QC_Gas826_00201

Amount Added: 12.50

Units: uL

MSV_LCS_EE_00009

Amount Added: 12.50

Units: uL

LCS_ETBR_00008

Amount Added: 12.50

Units: uL

MSV_LCS_ACROL_00174

Amount Added: 12.50

Units: uL

MSV_LCS_Penta_00043

Amount Added: 12.50

Units: uL

MSV_HP25_ISSS_00090

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 17-Jun-2024 19:47:53

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X20.D

Injection Date: 15-Jun-2024 01:30:30

Instrument ID: 10193

Operator ID: MEC29284

Lims ID: ICV

Worklist Smp#: 21

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

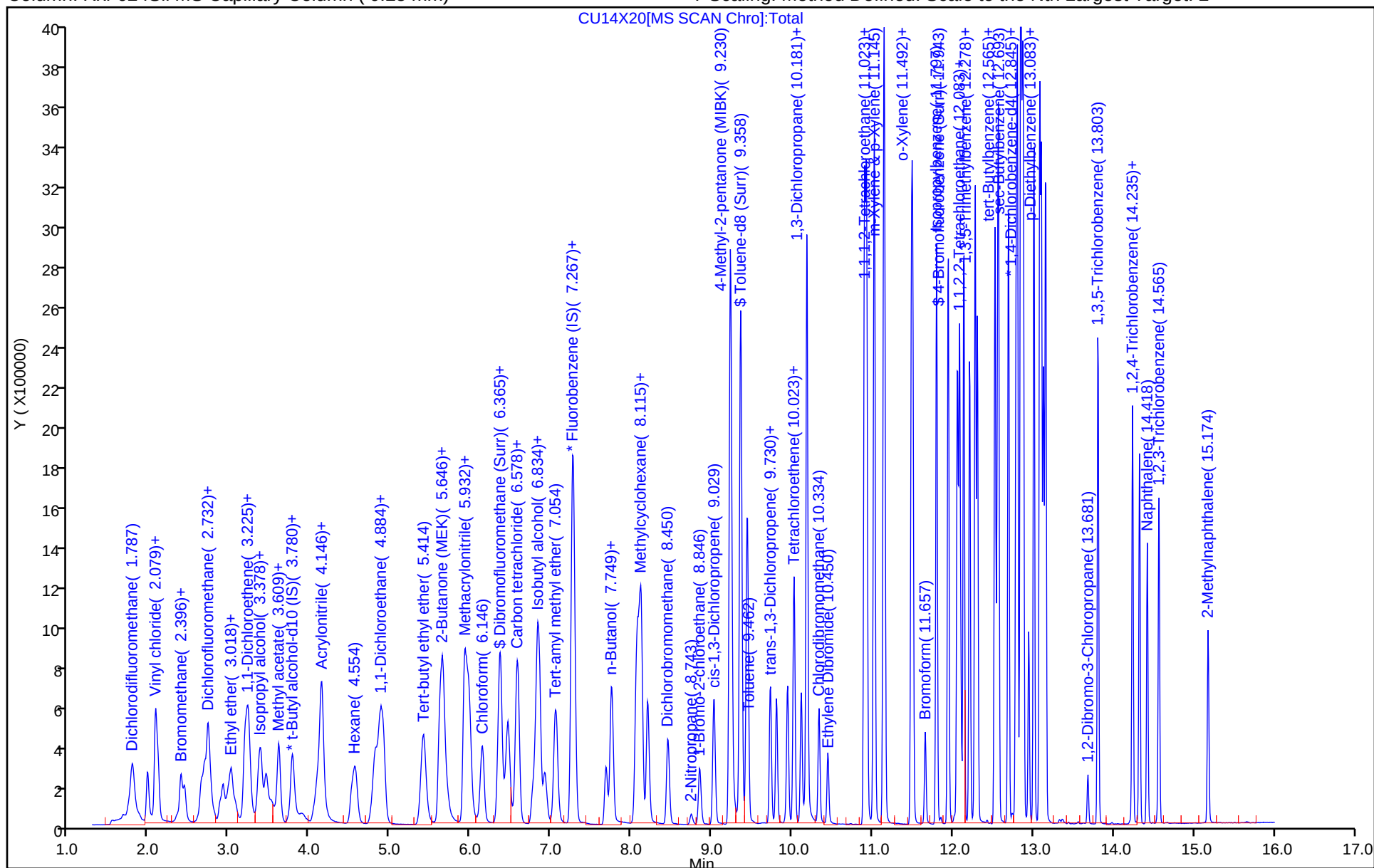
ALS Bottle#: 20

Method: MSV_10193_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



07/11/2024

Eurofins Lancaster Laboratories Environment Testing, LLC

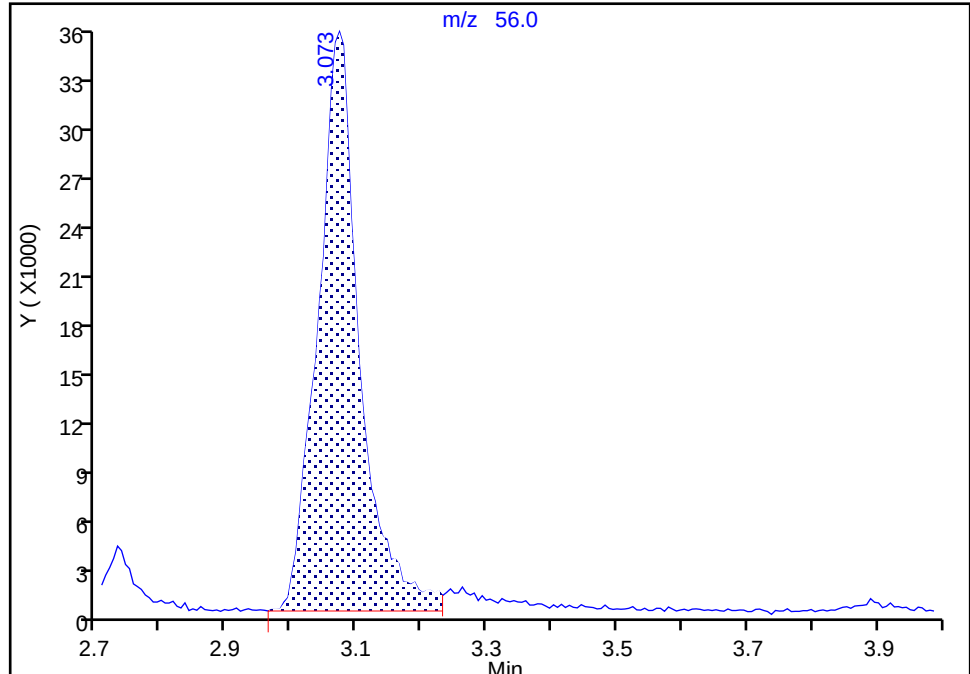
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Injection Date: 15-Jun-2024 01:30:30 Instrument ID: 10193
Lims ID: ICV
Client ID:
Operator ID: MEC29284 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

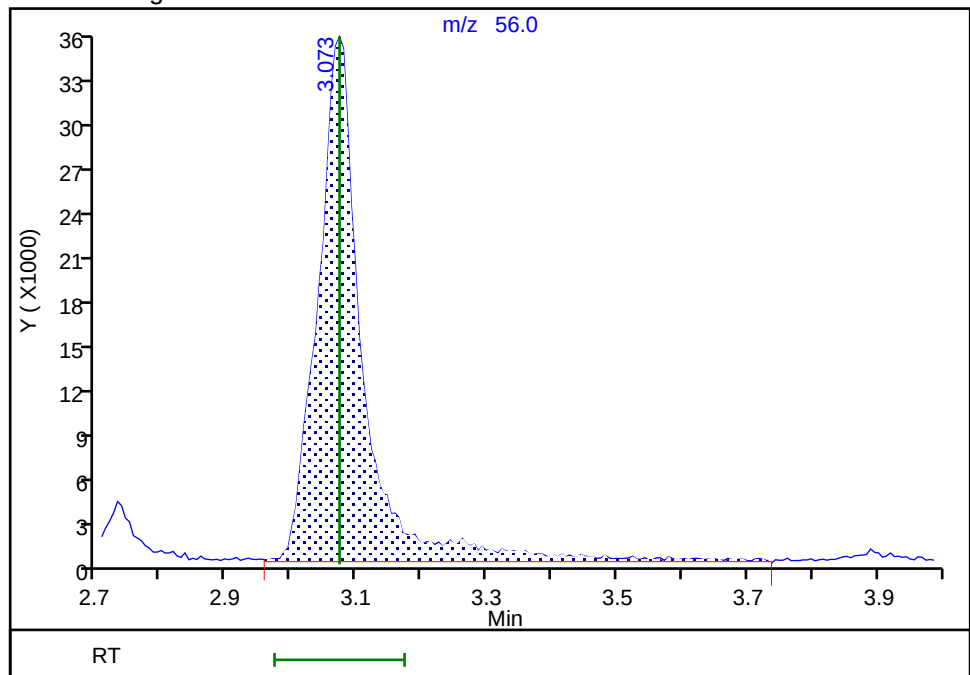
RT: 3.07
Area: 156860
Amount: 23.840960
Amount Units: ug/l

Processing Integration Results



RT: 3.07
Area: 175224
Amount: 27.177141
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 14:10:44 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

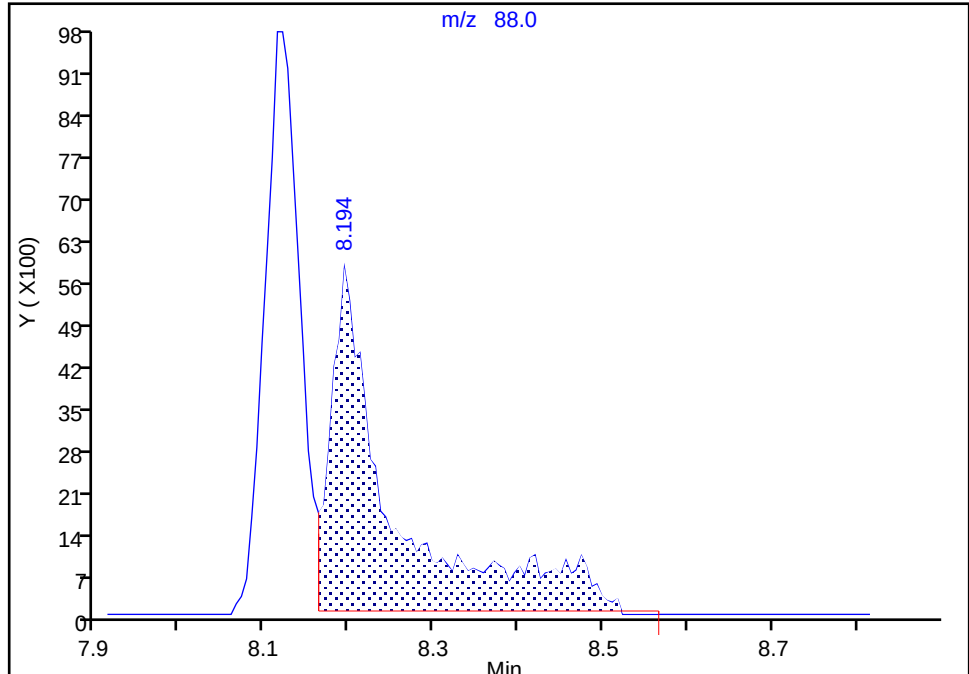
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X20.D
Injection Date: 15-Jun-2024 01:30:30 Instrument ID: 10193
Lims ID: ICV
Client ID:
Operator ID: MEC29284 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

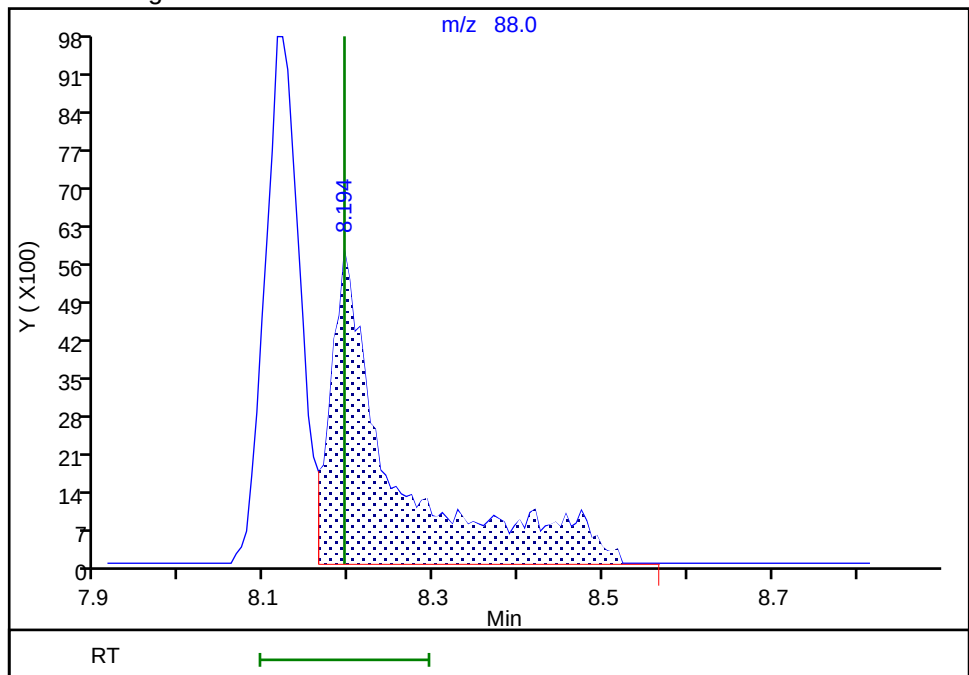
RT: 8.19
Area: 28572
Amount: 134.1262
Amount Units: ug/l

Processing Integration Results



RT: 8.19
Area: 30336
Amount: 144.9401
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 17-Jun-2024 19:20:10 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Baseline

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.: _____

Lab Sample ID: CCVIS 410-523863/3

Calibration Date: 07/02/2024 11:00

Instrument ID: 10193

Calib Start Date: 06/14/2024 22:28

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

Calib End Date: 06/15/2024 00:45

Lab File ID: CL02X02.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	0.3321	0.2842	0.1000	10.7	12.5	-14.4	20.0
Chloromethane	Ave	0.3752	0.3415	0.1000	11.4	12.5	-9.0	20.0
Vinyl chloride	Ave	0.3692	0.3274	0.1000	11.1	12.5	-11.3	20.0
1,3-Butadiene	Ave	0.3946	0.4000		12.7	12.5	1.4	20.0
Bromomethane	Ave	0.2597	0.2548	0.1000	12.3	12.5	-1.9	20.0
Chloroethane	Ave	0.2114	0.1906	0.1000	11.3	12.5	-9.9	20.0
Dichlorofluoromethane	Ave	0.5478	0.5470		12.5	12.5	-0.1	20.0
Trichlorofluoromethane	Ave	0.4296	0.4382	0.1000	12.8	12.5	2.0	20.0
Ethyl ether	Ave	0.1940	0.2044		13.2	12.5	5.4	20.0
Freon 123a	Ave	0.3161	0.3021		11.9	12.5	-4.4	20.0
Acrolein	Ave	1.927	1.555		505	626	-19.3	20.0
1,1-Dichloroethene	Ave	0.2288	0.1798	0.1000	9.82	12.5	-21.4*	20.0
Acetone	Ave	2.480	2.351	0.1000	119	125	-5.2	20.0
Freon 113	Ave	0.2354	0.1843	0.1000	9.79	12.5	-21.7*	20.0
Methyl iodide	Ave	0.4764	0.3834		10.1	12.5	-19.5	20.0
Ethyl bromide	Ave	0.2083	0.2139		12.9	12.5	2.7	20.0
Carbon disulfide	Ave	0.7426	0.5968	0.1000	10.0	12.5	-19.6	20.0
Methyl acetate	Ave	7.119	7.662	0.1000	13.5	12.5	7.6	20.0
Allyl chloride	Ave	0.3800	0.3105		10.2	12.5	-18.3	20.0
Methylene Chloride	Ave	0.2726	0.2248	0.1000	10.3	12.5	-17.5	20.0
t-Butyl alcohol	Ave	0.9667	0.8021		207	250	-17.0	20.0
Acrylonitrile	Ave	3.621	3.271		28.2	31.3	-9.7	20.0
Methyl tert-butyl ether	Ave	0.6983	0.6246	0.1000	11.2	12.5	-10.5	20.0
trans-1,2-Dichloroethene	Ave	0.2730	0.2230	0.1000	10.2	12.5	-18.3	20.0
n-Hexane	Ave	0.3546	0.2599		9.16	12.5	-26.7*	20.0
1,1-Dichloroethane	Ave	0.4690	0.3906	0.2000	10.4	12.5	-16.7	20.0
di-Isopropyl ether	Ave	0.8360	0.7341		11.0	12.5	-12.2	20.0
2-Chloro-1,3-butadiene	Ave	0.3890	0.3132		10.1	12.5	-19.5	20.0
Ethyl t-butyl ether	Ave	0.8190	0.7002		10.7	12.5	-14.5	20.0
2-Butanone (MEK)	Ave	4.550	4.478	0.1000	123	125	-1.6	20.0
cis-1,2-Dichloroethene	Ave	0.3067	0.2625	0.1000	10.7	12.5	-14.4	20.0
2,2-Dichloropropane	Ave	0.3888	0.3188		10.3	12.5	-18.0	20.0
Propionitrile	Ave	1.228	1.355		276	250	10.3	20.0
Methacrylonitrile	Ave	4.499	4.561		127	125	1.4	20.0
Bromochloromethane	Ave	0.1416	0.1306		11.5	12.5	-7.8	20.0
Tetrahydrofuran	Ave	1.421	1.331		58.5	62.5	-6.4	20.0
Chloroform	Ave	0.4969	0.4169	0.2000	10.5	12.5	-16.1	20.0
1,1,1-Trichloroethane	Ave	0.4151	0.3477	0.1000	10.5	12.5	-16.2	20.0
Cyclohexane	Ave	0.4421	0.3364	0.1000	9.51	12.5	-23.9*	20.0
Carbon tetrachloride	Ave	0.3759	0.3143	0.1000	10.5	12.5	-16.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Lab Sample ID: CCVIS 410-523863/3

Calibration Date: 07/02/2024 11:00

Instrument ID: 10193

Calib Start Date: 06/14/2024 22:28

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

Calib End Date: 06/15/2024 00:45

Lab File ID: CL02X02.D

Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.3711	0.3069		10.3	12.5	-17.3	20.0
Isobutyl alcohol	Ave	0.3468	0.3612		651	625	4.1	20.0
Benzene	Ave	1.115	0.9603	0.5000	10.8	12.5	-13.9	20.0
1,2-Dichloroethane	Ave	0.2845	0.2622	0.1000	11.5	12.5	-7.8	20.0
t-Amyl methyl ether	Ave	0.7612	0.6833		11.2	12.5	-10.2	20.0
n-Heptane	Ave	0.3677	0.2796		9.51	12.5	-24.0*	20.0
n-Butanol	Ave	0.3188	0.2913		999	1090	-8.6	20.0
Trichloroethene	Ave	0.3070	0.2598	0.2000	10.6	12.5	-15.4	20.0
Methylcyclohexane	Ave	0.4921	0.3776	0.1000	9.59	12.5	-23.3*	20.0
1,2-Dichloropropane	Ave	0.2855	0.2588	0.1000	11.3	12.5	-9.4	20.0
1,4-Dioxane	Ave	0.0626	0.0785	0.0050	784	625	25.5*	20.0
Methyl methacrylate	Ave	9.434	8.716		11.5	12.5	-7.6	20.0
Dibromomethane	Ave	0.1454	0.1409		12.1	12.5	-3.1	20.0
Bromodichloromethane	Ave	0.3445	0.3149	0.2000	11.4	12.5	-8.6	20.0
2-Nitropropane	Ave	2.541	2.475		60.9	62.5	-2.6	20.0
1-Bromo-2-chloroethane	Ave	0.2792	0.3081		13.8	12.5	10.4	20.0
cis-1,3-Dichloropropene	Ave	0.4460	0.4064	0.2000	11.4	12.5	-8.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	11.64	11.84	0.1000	127	125	1.7	20.0
Toluene	Ave	0.9498	0.8288	0.4000	10.9	12.5	-12.7	20.0
trans-1,3-Dichloropropene	Ave	0.4840	0.4500	0.1000	11.6	12.5	-7.0	20.0
Ethyl methacrylate	Ave	0.4146	0.3891		11.7	12.5	-6.1	20.0
1,1,2-Trichloroethane	Ave	0.2748	0.2566	0.1000	11.7	12.5	-6.7	20.0
Tetrachloroethene	Ave	0.4717	0.4027	0.2000	10.7	12.5	-14.6	20.0
1,3-Dichloropropane	Ave	0.4567	0.4260		11.7	12.5	-6.7	20.0
2-Hexanone	Ave	8.457	8.453	0.1000	125	125	-0.0	20.0
Dibromochloromethane	Ave	0.3530	0.3364		11.9	12.5	-4.7	20.0
1,2-Dibromoethane (EDB)	Ave	0.2725	0.2616	0.1000	12.0	12.5	-4.0	20.0
1-Chlorohexane	Ave	0.5567	0.4431		9.95	12.5	-20.4*	20.0
Chlorobenzene	Ave	1.135	1.024	0.5000	11.3	12.5	-9.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4002	0.3672		11.5	12.5	-8.2	20.0
Ethylbenzene	Ave	1.865	1.632	0.1000	10.9	12.5	-12.5	20.0
m&p-Xylene	Ave	0.7638	0.6744	0.1000	22.1	25.0	-11.7	20.0
o-Xylene	Ave	0.7529	0.6747	0.3000	11.2	12.5	-10.4	20.0
Styrene	Ave	1.248	1.142	0.3000	11.4	12.5	-8.5	20.0
Bromoform	Ave	0.2276	0.2123	0.1000	11.7	12.5	-6.7	20.0
Isopropylbenzene	Ave	1.787	1.563	0.1000	10.9	12.5	-12.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5837	0.5476	0.3000	11.7	12.5	-6.2	20.0
Bromobenzene	Ave	0.8797	0.7703		10.9	12.5	-12.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1371	0.1314		120	125	-4.1	20.0
1,2,3-Trichloropropane	Ave	0.1621	0.1574		12.1	12.5	-2.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Lab Sample ID: CCVIS 410-523863/3

Calibration Date: 07/02/2024 11:00

Instrument ID: 10193

Calib Start Date: 06/14/2024 22:28

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

Calib End Date: 06/15/2024 00:45

Lab File ID: CL02X02.D

Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	3.782	3.186		10.5	12.5	-15.8	20.0
2-Chlorotoluene	Ave	0.8480	0.7119		10.5	12.5	-16.0	20.0
1,3,5-Trimethylbenzene	Ave	2.825	2.383		10.5	12.5	-15.6	20.0
4-Chlorotoluene	Ave	0.8841	0.7563		10.7	12.5	-14.5	20.0
tert-Butylbenzene	Ave	0.6793	0.5410		9.96	12.5	-20.4*	20.0
Pentachloroethane	Ave	0.5092	0.5140		12.6	12.5	1.0	20.0
1,2,4-Trimethylbenzene	Ave	2.917	2.533		10.9	12.5	-13.2	20.0
sec-Butylbenzene	Ave	3.645	3.042		10.4	12.5	-16.5	20.0
1,3-Dichlorobenzene	Ave	1.738	1.527	0.6000	11.0	12.5	-12.2	20.0
p-Isopropyltoluene	Ave	3.276	2.770		10.6	12.5	-15.4	20.0
1,4-Dichlorobenzene	Ave	1.778	1.578	0.5000	11.1	12.5	-11.3	20.0
1,2,3-Trimethylbenzene	Ave	1.346	1.176		10.9	12.5	-12.7	20.0
Benzyl chloride	Ave	0.2675	0.2577		12.0	12.5	-3.7	20.0
n-Butylbenzene	Ave	1.573	1.345		10.7	12.5	-14.5	20.0
1,2-Dichlorobenzene	Ave	1.587	1.445	0.4000	11.4	12.5	-8.9	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0967	0.0958	0.0500	12.4	12.5	-0.9	20.0
1,3,5-Trichlorobenzene	Ave	1.348	1.158		10.7	12.5	-14.1	20.0
1,2,4-Trichlorobenzene	Ave	1.093	0.9897	0.2000	11.3	12.5	-9.4	20.0
Hexachlorobutadiene	Ave	0.5642	0.4456		9.87	12.5	-21.0*	20.0
Naphthalene	Ave	1.730	1.683		12.2	12.5	-2.7	20.0
1,2,3-Trichlorobenzene	Ave	0.8521	0.7854		11.5	12.5	-7.8	20.0
Dibromofluoromethane (Surr)	Ave	0.2422	0.2462		10.2	10.0	1.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0495	0.0504		10.2	10.0	1.8	20.0
Toluene-d8 (Surr)	Ave	1.281	1.294		10.1	10.0	1.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4817	0.4756		9.87	10.0	-1.3	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\CL02X02.D
 Lims ID: CCVIS VSTD12.5
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 02-Jul-2024 11:00:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118306-003
 Misc. Info.: CCVIS VSTD12.5
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 02-Jul-2024 14:16:15 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1629

First Level Reviewer: N7YK

Date: 02-Jul-2024 11:46:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.793	1.793	0.000	99	802584	12.5	10.7	
5 Chloromethane	50	1.982	1.982	0.000	99	964399	12.5	11.4	
6 Vinyl chloride	62	2.079	2.079	0.000	98	924378	12.5	11.1	
7 Butadiene	39	2.110	2.110	0.000	91	1129440	12.5	12.7	
9 Bromomethane	94	2.396	2.396	0.000	90	719556	12.5	12.3	
10 Chloroethane	64	2.439	2.439	0.000	100	538092	12.5	11.3	
11 Dichlorofluoromethane	67	2.683	2.683	0.000	96	1544617	12.5	12.5	
13 Pentane	43	2.725	2.725	0.000	97	787332	12.5	9.50	
12 Trichlorofluoromethane	101	2.732	2.732	0.000	98	1237283	12.5	12.8	
14 Ethyl ether	59	2.908	2.908	0.000	91	577214	12.5	13.2	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.012	3.012	0.000	91	853023	12.5	11.9	
17 Acrolein	56	3.061	3.061	0.000	100	3570407	626.4	505.3	
18 1,1-Dichloroethene	96	3.189	3.189	0.000	98	507772	12.5	9.82	
20 Acetone	43	3.213	3.213	0.000	100	1077767	125.0	118.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.231	3.231	0.000	90	520374	12.5	9.79	
24 Isopropyl alcohol	45	3.360	3.360	0.000	45	458798	250.0	245.4	
22 Iodomethane	142	3.360	3.360	0.000	98	1082578	12.5	10.1	
23 Ethyl bromide	108	3.384	3.384	0.000	98	605089	12.5	12.9	
25 Carbon disulfide	76	3.451	3.451	0.000	99	1685163	12.5	10.0	M
26 Methyl acetate	43	3.573	3.573	0.000	97	351170	12.5	13.5	
29 3-Chloro-1-propene	41	3.603	3.603	0.000	93	876670	12.5	10.2	
30 Methylene Chloride	84	3.774	3.774	0.000	91	634828	12.5	10.3	
* 31 t-Butyl alcohol-d10 (IS)	65	3.774	3.774	0.000	94	183334	50.0	50.0	
32 2-Methyl-2-propanol	59	3.890	3.890	0.000	99	735227	250.0	207.4	
33 Acrylonitrile	53	4.079	4.079	0.000	100	374795	31.3	28.2	
34 Methyl tert-butyl ether	73	4.134	4.134	0.000	95	1763721	12.5	11.2	
35 trans-1,2-Dichloroethene	96	4.134	4.134	0.000	99	629744	12.5	10.2	
36 Hexane	57	4.548	4.548	0.000	92	733824	12.5	9.16	
37 1,1-Dichloroethane	63	4.792	4.792	0.000	96	1102818	12.5	10.4	
39 Isopropyl ether	45	4.865	4.865	0.000	94	2072763	12.5	11.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.902	4.902	0.000	89	884377	12.5	10.1	
41 Tert-butyl ethyl ether	59	5.402	5.402	0.000	97	1977302	12.5	10.7	
42 2-Butanone (MEK)	43	5.609	5.609	0.000	99	2052466	125.0	123.0	
43 cis-1,2-Dichloroethene	96	5.646	5.646	0.000	81	741327	12.5	10.7	
44 2,2-Dichloropropane	77	5.658	5.658	0.000	89	900297	12.5	10.3	
45 Propionitrile	54	5.707	5.707	0.000	99	1241630	250.0	275.8	
47 Methacrylonitrile	67	5.926	5.926	0.000	92	2090542	125.0	126.7	
48 Chlorobromomethane	128	5.975	5.975	0.000	87	368763	12.5	11.5	
49 Tetrahydrofuran	71	5.981	5.981	0.000	77	304965	62.5	58.5	
50 Chloroform	83	6.139	6.139	0.000	93	1177257	12.5	10.5	
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	91	556052	10.0	10.2	
53 1,1,1-Trichloroethane	97	6.365	6.365	0.000	98	981944	12.5	10.5	
55 Cyclohexane	56	6.456	6.456	0.000	89	949802	12.5	9.51	
56 Carbon tetrachloride	117	6.572	6.572	0.000	95	887550	12.5	10.5	
57 1,1-Dichloropropene	75	6.578	6.578	0.000	95	866630	12.5	10.3	
58 Isobutyl alcohol	41	6.767	6.767	0.000	94	827657	625.0	650.9	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.816	0.000	99	113879	10.0	10.2	
60 Benzene	78	6.841	6.841	0.000	96	2711566	12.5	10.8	
61 1,2-Dichloroethane	62	6.920	6.920	0.000	97	740431	12.5	11.5	
64 Tert-amyl methyl ether	73	7.048	7.048	0.000	99	1929370	12.5	11.2	
* 65 Fluorobenzene (IS)	96	7.261	7.261	0.000	98	2258972	10.0	10.0	
66 n-Heptane	43	7.279	7.279	0.000	91	789590	12.5	9.51	
67 n-Butanol	56	7.676	7.676	0.000	88	1168074	1093.8	999.4	
68 Trichloroethene	95	7.749	7.749	0.000	96	733571	12.5	10.6	
69 Methylcyclohexane	83	8.060	8.060	0.000	91	1066152	12.5	9.59	
70 1,2-Dichloropropane	63	8.090	8.090	0.000	98	730684	12.5	11.3	
71 2-ethoxy-2-methyl butane	87	8.115	8.115	0.000	94	1176684	12.5	11.2	
74 1,4-Dioxane	88	8.188	8.188	0.000	37	179927	625.0	784.5	M
73 Methyl methacrylate	69	8.194	8.194	0.000	92	399481	12.5	11.5	
72 Dibromomethane	93	8.200	8.200	0.000	93	397733	12.5	12.1	
76 Dichlorobromomethane	83	8.450	8.450	0.000	99	889305	12.5	11.4	
77 2-Nitropropane	41	8.737	8.737	0.000	99	567204	62.5	60.9	
78 1-Bromo-2-chloroethane	63	8.846	8.846	0.000	98	870045	12.5	13.8	
80 cis-1,3-Dichloropropene	75	9.023	9.023	0.000	97	1147674	12.5	11.4	
82 4-Methyl-2-pentanone (MIBK)	43	9.224	9.224	0.000	96	5425100	125.0	127.2	
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2314766	10.0	10.1	
84 Toluene	92	9.438	9.438	0.000	98	1853752	12.5	10.9	
85 trans-1,3-Dichloropropene	75	9.724	9.724	0.000	91	1006389	12.5	11.6	
86 Ethyl methacrylate	69	9.797	9.797	0.000	89	870379	12.5	11.7	
87 1,1,2-Trichloroethane	97	9.937	9.937	0.000	90	573825	12.5	11.7	
88 Tetrachloroethene	166	10.017	10.017	0.000	97	900620	12.5	10.7	
89 1,3-Dichloropropane	76	10.108	10.108	0.000	89	952909	12.5	11.7	
106 2-Hexanone	43	10.175	10.175	0.000	96	3874497	125.0	125.0	
108 Chlorodibromomethane	129	10.328	10.328	0.000	90	752438	12.5	11.9	
110 Ethylene Dibromide	107	10.437	10.437	0.000	98	585154	12.5	12.0	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	83	1789294	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	97	990992	12.5	9.95	
113 Chlorobenzene	112	10.925	10.925	0.000	97	2290678	12.5	11.3	
114 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	97	821259	12.5	11.5	
115 Ethylbenzene	91	11.023	11.023	0.000	97	3650934	12.5	10.9	
116 m-Xylene & p-Xylene	106	11.138	11.138	0.000	97	3016968	25.0	22.1	
118 o-Xylene	106	11.480	11.480	0.000	96	1508965	12.5	11.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
119 Styrene	104	11.498	11.498	0.000	95	2554203	12.5	11.4	
120 Bromoform	173	11.651	11.651	0.000	98	474811	12.5	11.7	
121 Isopropylbenzene	105	11.791	11.791	0.000	95	3495357	12.5	10.9	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	95	851045	10.0	9.87	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	77	751823	12.5	11.7	
125 Bromobenzene	156	12.053	12.053	0.000	87	1057536	12.5	10.9	
127 trans-1,4-Dichloro-2-butene	53	12.077	12.077	0.000	92	1804255	125.0	119.8	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	79	216058	12.5	12.1	
129 N-Propylbenzene	91	12.132	12.132	0.000	98	4373942	12.5	10.5	
130 2-Chlorotoluene	126	12.205	12.205	0.000	98	977394	12.5	10.5	
131 1,3,5-Trimethylbenzene	105	12.272	12.272	0.000	94	3271468	12.5	10.5	
132 4-Chlorotoluene	126	12.303	12.303	0.000	96	1038352	12.5	10.7	
133 tert-Butylbenzene	134	12.522	12.522	0.000	92	742781	12.5	9.96	
134 Pentachloroethane	167	12.547	12.547	0.000	94	705710	12.5	12.6	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	96	3476990	12.5	10.9	
136 sec-Butylbenzene	105	12.687	12.687	0.000	96	4175646	12.5	10.4	
137 1,3-Dichlorobenzene	146	12.785	12.785	0.000	98	2096073	12.5	11.0	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	3803560	12.5	10.6	
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	93	1098303	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.858	12.858	0.000	96	2166092	12.5	11.1	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	97	1614085	12.5	10.9	
142 Benzyl chloride	126	12.943	12.943	0.000	98	353790	12.5	12.0	
145 p-Diethylbenzene	119	13.077	13.077	0.000	94	2382475	12.5	10.6	
143 n-Butylbenzene	92	13.095	13.095	0.000	97	1846322	12.5	10.7	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	1983880	12.5	11.4	
148 1,2-Dibromo-3-Chloropropane	155	13.675	13.675	0.000	91	131546	12.5	12.4	
149 1,3,5-Trichlorobenzene	180	13.803	13.803	0.000	97	1589644	12.5	10.7	
150 1,2,4-Trichlorobenzene	180	14.235	14.235	0.000	94	1358751	12.5	11.3	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	96	611795	12.5	9.87	
152 Naphthalene	128	14.412	14.412	0.000	96	2310970	12.5	12.2	
153 1,2,3-Trichlorobenzene	180	14.559	14.559	0.000	96	1078207	12.5	11.5	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	93	890033	12.5	10.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00135

Amount Added: 25.00

Units: uL

MSV_LL_#2_826_00143

Amount Added: 25.00

Units: uL

MSV_LL_GAS826_00217

Amount Added: 25.00

Units: uL

MSV_HP25_ISSS_00091

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\CL02X02.D

Injection Date: 02-Jul-2024 11:00:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: CCVIS VSTD12.5

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

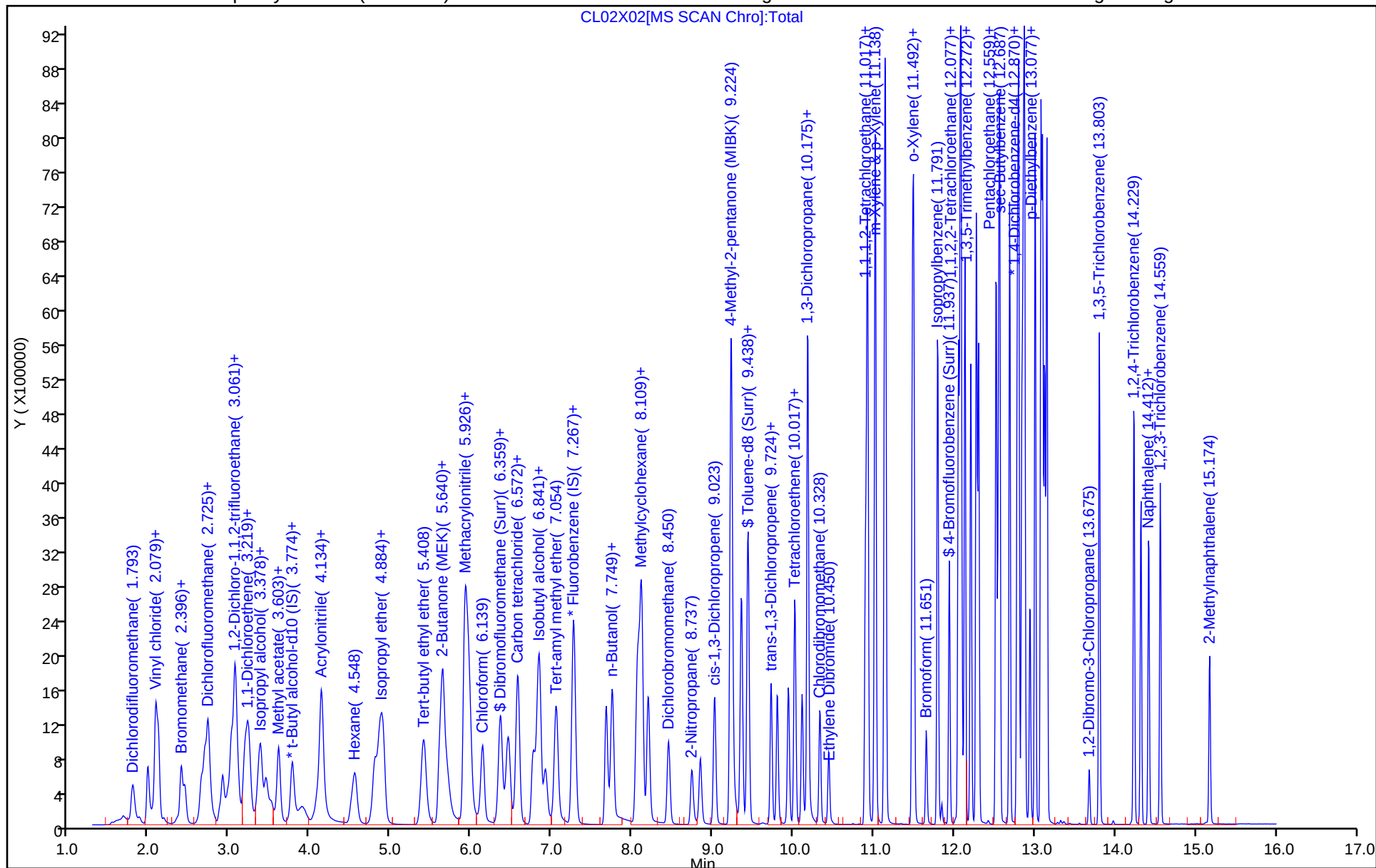
ALS Bottle#: 2

Method: MSV_10193_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

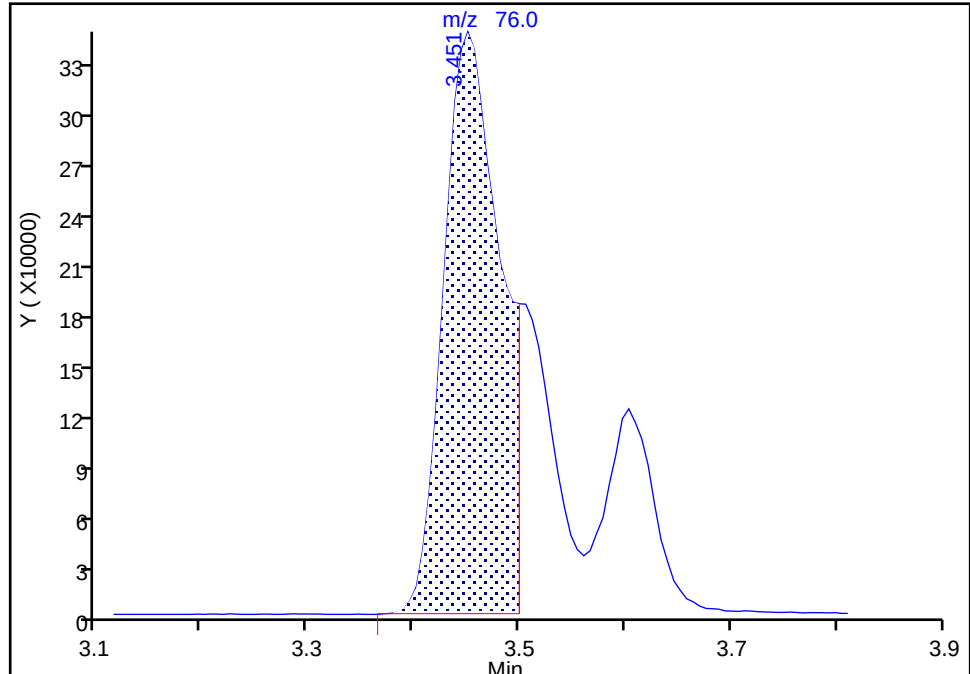
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Injection Date: 02-Jul-2024 11:00:30 Instrument ID: 10193
Lims ID: CCVIS VSTD12.5
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

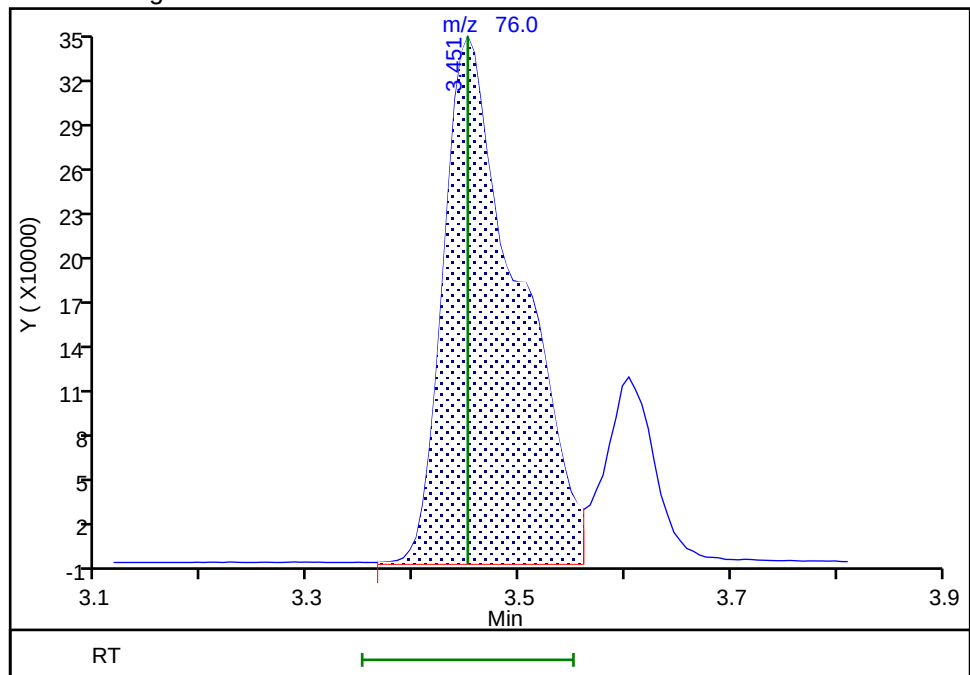
RT: 3.45
Area: 1305286
Amount: 7.780922
Amount Units: ug/l

Processing Integration Results



RT: 3.45
Area: 1685163
Amount: 10.045401
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 02-Jul-2024 11:29:10 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

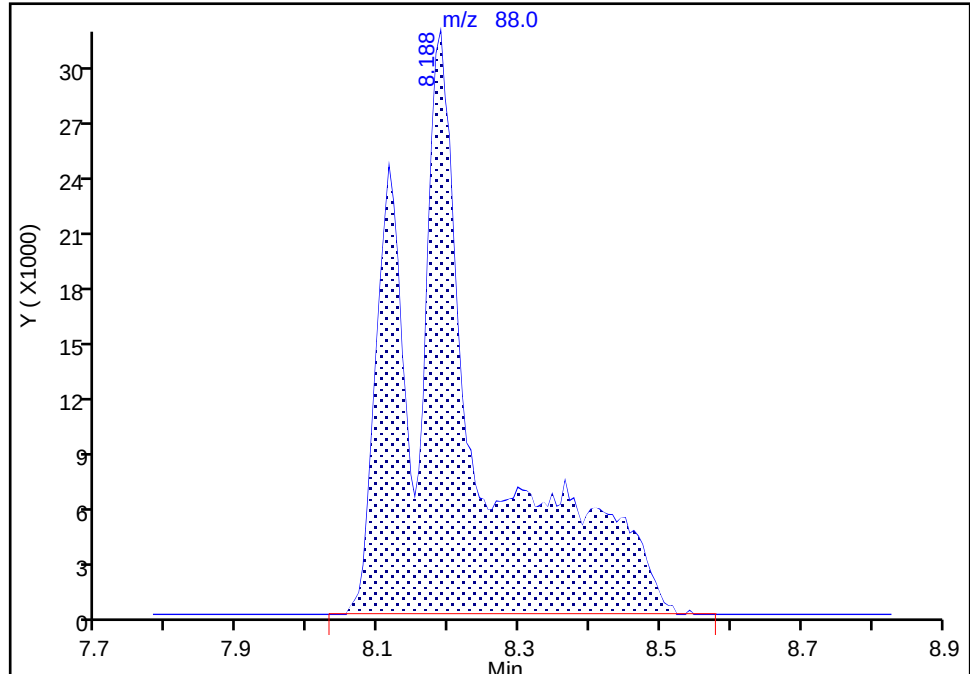
Data File: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\CL02X02.D
Injection Date: 02-Jul-2024 11:00:30 Instrument ID: 10193
Lims ID: CCVIS VSTD12.5
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

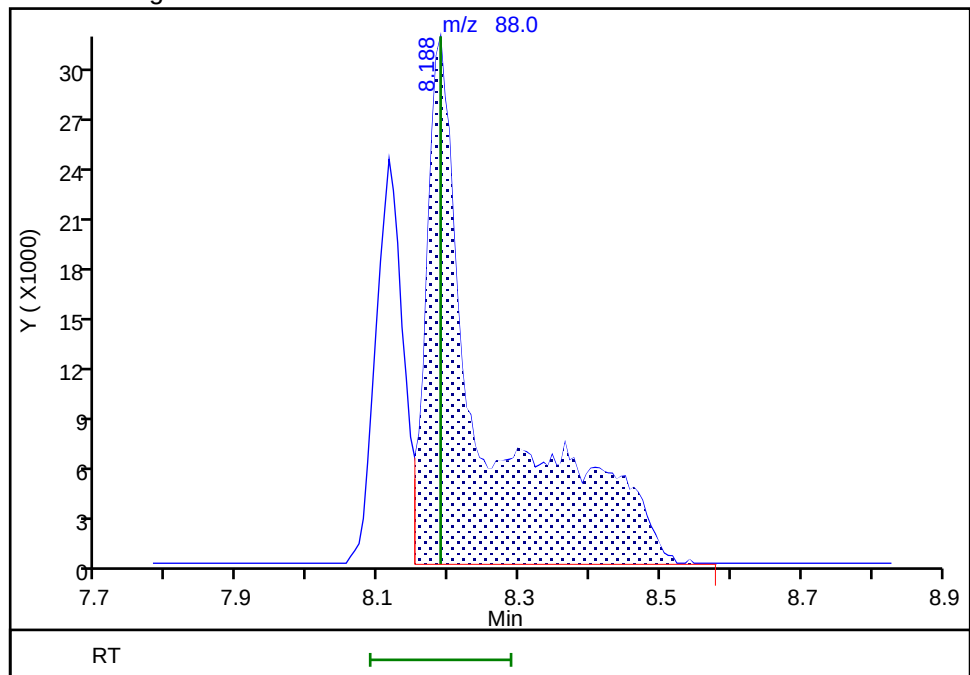
RT: 8.19
Area: 242949
Amount: 1059.2558
Amount Units: ug/l

Processing Integration Results



RT: 8.19
Area: 179927
Amount: 784.4804
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 02-Jul-2024 11:30:25 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.: _____

Lab Sample ID: CCVIS 410-525536/3

Calibration Date: 07/08/2024 11:39

Instrument ID: 10193

Calib Start Date: 06/14/2024 22:28

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

Calib End Date: 06/15/2024 00:45

Lab File ID: CL08X02.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	0.3321	0.2865	0.1000	8.63	10.0	-13.7	20.0
Chloromethane	Ave	0.3752	0.3536	0.1000	9.42	10.0	-5.8	20.0
Vinyl chloride	Ave	0.3692	0.3162	0.1000	8.56	10.0	-14.4	20.0
1,3-Butadiene	Ave	0.3946	0.4913		12.5	10.0	24.5*	20.0
Bromomethane	Ave	0.2597	0.2470	0.1000	9.51	10.0	-4.9	20.0
Chloroethane	Ave	0.2114	0.1928	0.1000	9.12	10.0	-8.8	20.0
Dichlorofluoromethane	Ave	0.5478	0.5272		9.62	10.0	-3.8	20.0
Trichlorofluoromethane	Ave	0.4296	0.4269	0.1000	9.94	10.0	-0.6	20.0
Ethyl ether	Ave	0.1940	0.1969		10.1	10.0	1.5	20.0
Freon 123a	Ave	0.3161	0.3096		9.79	10.0	-2.1	20.0
Acrolein	Ave	1.927	1.597		415	501	-17.1	20.0
1,1-Dichloroethene	Ave	0.2288	0.2028	0.1000	8.86	10.0	-11.4	20.0
Acetone	Ave	2.480	2.409	0.1000	97.2	100	-2.8	20.0
Freon 113	Ave	0.2354	0.2140	0.1000	9.09	10.0	-9.1	20.0
Methyl iodide	Ave	0.4764	0.4281		8.99	10.0	-10.1	20.0
Ethyl bromide	Ave	0.2083	0.2079		10.0	10.0	-0.2	20.0
Carbon disulfide	Ave	0.7426	0.6770	0.1000	9.12	10.0	-8.8	20.0
Methyl acetate	Ave	7.119	7.279	0.1000	10.2	10.0	2.2	20.0
Allyl chloride	Ave	0.3800	0.3513		9.24	10.0	-7.6	20.0
Methylene Chloride	Ave	0.2726	0.2436	0.1000	8.94	10.0	-10.6	20.0
t-Butyl alcohol	Ave	0.9667	0.7560		156	200	-21.8*	20.0
Acrylonitrile	Ave	3.621	3.497		24.1	25.0	-3.4	20.0
Methyl tert-butyl ether	Ave	0.6983	0.6509	0.1000	9.32	10.0	-6.8	20.0
trans-1,2-Dichloroethene	Ave	0.2730	0.2515	0.1000	9.21	10.0	-7.9	20.0
n-Hexane	Ave	0.3546	0.3169		8.94	10.0	-10.6	20.0
1,1-Dichloroethane	Ave	0.4690	0.4373	0.2000	9.32	10.0	-6.8	20.0
di-Isopropyl ether	Ave	0.8360	0.7929		9.48	10.0	-5.2	20.0
2-Chloro-1,3-butadiene	Ave	0.3890	0.3559		9.15	10.0	-8.5	20.0
Ethyl t-butyl ether	Ave	0.8190	0.7428		9.07	10.0	-9.3	20.0
2-Butanone (MEK)	Ave	4.550	4.688	0.1000	103	100	3.0	20.0
cis-1,2-Dichloroethene	Ave	0.3067	0.2886	0.1000	9.41	10.0	-5.9	20.0
2,2-Dichloropropane	Ave	0.3888	0.3549		9.13	10.0	-8.7	20.0
Propionitrile	Ave	1.228	1.395		227	200	13.7	20.0
Methacrylonitrile	Ave	4.499	4.821		107	100	7.1	20.0
Bromochloromethane	Ave	0.1416	0.1381		9.75	10.0	-2.5	20.0
Tetrahydrofuran	Ave	1.421	1.397		49.2	50.0	-1.7	20.0
Chloroform	Ave	0.4969	0.4511	0.2000	9.08	10.0	-9.2	20.0
1,1,1-Trichloroethane	Ave	0.4151	0.3874	0.1000	9.33	10.0	-6.7	20.0
Cyclohexane	Ave	0.4421	0.4067	0.1000	9.20	10.0	-8.0	20.0
Carbon tetrachloride	Ave	0.3759	0.3533	0.1000	9.40	10.0	-6.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.: _____

Lab Sample ID: CCVIS 410-525536/3

Calibration Date: 07/08/2024 11:39

Instrument ID: 10193

Calib Start Date: 06/14/2024 22:28

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

Calib End Date: 06/15/2024 00:45

Lab File ID: CL08X02.D

Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.3711	0.3497		9.42	10.0	-5.8	20.0
Isobutyl alcohol	Ave	0.3468	0.3531		509	500	1.8	20.0
Benzene	Ave	1.115	1.058	0.5000	9.48	10.0	-5.2	20.0
1,2-Dichloroethane	Ave	0.2845	0.2815	0.1000	9.89	10.0	-1.1	20.0
t-Amyl methyl ether	Ave	0.7612	0.7070		9.29	10.0	-7.1	20.0
n-Heptane	Ave	0.3677	0.3511		9.55	10.0	-4.5	20.0
n-Butanol	Ave	0.3188	0.3531		969	875	10.8	20.0
Trichloroethene	Ave	0.3070	0.2850	0.2000	9.28	10.0	-7.2	20.0
Methylcyclohexane	Ave	0.4921	0.4595	0.1000	9.34	10.0	-6.6	20.0
1,2-Dichloropropane	Ave	0.2855	0.2780	0.1000	9.74	10.0	-2.6	20.0
1,4-Dioxane	Ave	0.0626	0.0789	0.0050	630	500	26.1*	20.0
Methyl methacrylate	Ave	9.434	9.132		9.68	10.0	-3.2	20.0
Dibromomethane	Ave	0.1454	0.1435		9.87	10.0	-1.3	20.0
Bromodichloromethane	Ave	0.3445	0.3329	0.2000	9.66	10.0	-3.4	20.0
2-Nitropropane	Ave	2.541	2.509		49.4	50.0	-1.3	20.0
1-Bromo-2-chloroethane	Ave	0.2792	0.2939		10.5	10.0	5.3	20.0
cis-1,3-Dichloropropene	Ave	0.4460	0.4313	0.2000	9.67	10.0	-3.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	11.64	12.07	0.1000	104	100	3.7	20.0
Toluene	Ave	0.9498	0.9099	0.4000	9.58	10.0	-4.2	20.0
trans-1,3-Dichloropropene	Ave	0.4840	0.4600	0.1000	9.50	10.0	-5.0	20.0
Ethyl methacrylate	Ave	0.4146	0.3880		9.36	10.0	-6.4	20.0
1,1,2-Trichloroethane	Ave	0.2748	0.2633	0.1000	9.58	10.0	-4.2	20.0
Tetrachloroethene	Ave	0.4717	0.4446	0.2000	9.43	10.0	-5.7	20.0
1,3-Dichloropropane	Ave	0.4567	0.4474		9.80	10.0	-2.0	20.0
2-Hexanone	Ave	8.457	8.636	0.1000	102	100	2.1	20.0
Dibromochloromethane	Ave	0.3530	0.3454		9.78	10.0	-2.2	20.0
1,2-Dibromoethane (EDB)	Ave	0.2725	0.2632	0.1000	9.66	10.0	-3.4	20.0
1-Chlorohexane	Ave	0.5567	0.4995		8.97	10.0	-10.3	20.0
Chlorobenzene	Ave	1.135	1.102	0.5000	9.70	10.0	-3.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4002	0.3874		9.68	10.0	-3.2	20.0
Ethylbenzene	Ave	1.865	1.792	0.1000	9.61	10.0	-3.9	20.0
m&p-Xylene	Ave	0.7638	0.7338	0.1000	19.2	20.0	-3.9	20.0
o-Xylene	Ave	0.7529	0.7205	0.3000	9.57	10.0	-4.3	20.0
Styrene	Ave	1.248	1.207	0.3000	9.68	10.0	-3.2	20.0
Bromoform	Ave	0.2276	0.2094	0.1000	9.20	10.0	-8.0	20.0
Isopropylbenzene	Ave	1.787	1.714	0.1000	9.59	10.0	-4.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5837	0.5547	0.3000	9.50	10.0	-5.0	20.0
Bromobenzene	Ave	0.8797	0.8291		9.42	10.0	-5.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1371	0.1054		76.9	100	-23.1*	20.0
1,2,3-Trichloropropane	Ave	0.1621	0.1557		9.61	10.0	-3.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Lab Sample ID: CCVIS 410-525536/3

Calibration Date: 07/08/2024 11:39

Instrument ID: 10193

Calib Start Date: 06/14/2024 22:28

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

Calib End Date: 06/15/2024 00:45

Lab File ID: CL08X02.D

Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	3.782	3.564		9.42	10.0	-5.8	20.0
2-Chlorotoluene	Ave	0.8480	0.7825		9.23	10.0	-7.7	20.0
1,3,5-Trimethylbenzene	Ave	2.825	2.660		9.42	10.0	-5.8	20.0
4-Chlorotoluene	Ave	0.8841	0.8221		9.30	10.0	-7.0	20.0
tert-Butylbenzene	Ave	0.6793	0.6279		9.24	10.0	-7.6	20.0
Pentachloroethane	Ave	0.5092	0.4965		9.75	10.0	-2.5	20.0
1,2,4-Trimethylbenzene	Ave	2.917	2.754		9.44	10.0	-5.6	20.0
sec-Butylbenzene	Ave	3.645	3.427		9.40	10.0	-6.0	20.0
1,3-Dichlorobenzene	Ave	1.738	1.632	0.6000	9.39	10.0	-6.1	20.0
p-Isopropyltoluene	Ave	3.276	3.101		9.47	10.0	-5.3	20.0
1,4-Dichlorobenzene	Ave	1.778	1.662	0.5000	9.35	10.0	-6.5	20.0
1,2,3-Trimethylbenzene	Ave	1.346	1.275		9.47	10.0	-5.3	20.0
Benzyl chloride	Ave	0.2675	0.2520		9.42	10.0	-5.8	20.0
n-Butylbenzene	Ave	1.573	1.494		9.50	10.0	-5.0	20.0
1,2-Dichlorobenzene	Ave	1.587	1.516	0.4000	9.55	10.0	-4.5	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0967	0.0891	0.0500	9.22	10.0	-7.8	20.0
1,3,5-Trichlorobenzene	Ave	1.348	1.231		9.13	10.0	-8.7	20.0
1,2,4-Trichlorobenzene	Ave	1.093	0.9860	0.2000	9.02	10.0	-9.8	20.0
Hexachlorobutadiene	Ave	0.5642	0.5044		8.94	10.0	-10.6	20.0
Naphthalene	Ave	1.730	1.491		8.62	10.0	-13.8	20.0
1,2,3-Trichlorobenzene	Ave	0.8521	0.7246		8.50	10.0	-15.0	20.0
Dibromofluoromethane (Surr)	Ave	0.2422	0.2433		10.0	10.0	0.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0495	0.0491		9.92	10.0	-0.8	20.0
Toluene-d8 (Surr)	Ave	1.281	1.281		10.0	10.0	0.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4817	0.4776		9.92	10.0	-0.8	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X02.D
 Lims ID: CCVIS VSTD10
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 08-Jul-2024 11:39:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-003
 Misc. Info.: CCVIS VSTD10
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 08-Jul-2024 16:29:26 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: N7YK

Date: 08-Jul-2024 12:28:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.799	0.000	99	672241	10.0	8.63	
5 Chloromethane	50	1.988	1.988	0.000	99	829501	10.0	9.42	
6 Vinyl chloride	62	2.085	2.085	0.000	98	741770	10.0	8.56	
7 Butadiene	39	2.116	2.116	0.000	89	1152658	10.0	12.5	M
9 Bromomethane	94	2.402	2.402	0.000	90	579426	10.0	9.51	
10 Chloroethane	64	2.445	2.445	0.000	100	452220	10.0	9.12	
11 Dichlorofluoromethane	67	2.695	2.695	0.000	97	1236811	10.0	9.62	
13 Pentane	43	2.732	2.732	0.000	97	776777	10.0	9.03	
12 Trichlorofluoromethane	101	2.738	2.738	0.000	98	1001639	10.0	9.94	
14 Ethyl ether	59	2.914	2.914	0.000	91	461995	10.0	10.1	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.012	3.012	0.000	91	726292	10.0	9.79	
17 Acrolein	56	3.073	3.073	0.000	100	2865687	501.1	415.3	
18 1,1-Dichloroethene	96	3.189	3.189	0.000	98	475794	10.0	8.86	
20 Acetone	43	3.213	3.213	0.000	100	862656	100.0	97.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.244	3.244	0.000	90	501984	10.0	9.09	
24 Isopropyl alcohol	45	3.359	3.359	0.000	42	401457	200.0	219.9	
22 Iodomethane	142	3.366	3.366	0.000	97	1004331	10.0	8.99	
23 Ethyl bromide	108	3.390	3.390	0.000	98	488660	10.0	10.0	
25 Carbon disulfide	76	3.457	3.457	0.000	99	1588371	10.0	9.12	M
26 Methyl acetate	43	3.591	3.591	0.000	98	260624	10.0	10.2	
29 3-Chloro-1-propene	41	3.609	3.609	0.000	93	824278	10.0	9.24	
30 Methylene Chloride	84	3.780	3.780	0.000	91	571625	10.0	8.94	
* 31 t-Butyl alcohol-d10 (IS)	65	3.798	3.798	0.000	36	179031	50.0	50.0	
32 2-Methyl-2-propanol	59	3.902	3.902	0.000	99	541354	200.0	156.4	
33 Acrylonitrile	53	4.091	4.091	0.000	98	312996	25.0	24.1	
34 Methyl tert-butyl ether	73	4.140	4.140	0.000	95	1527066	10.0	9.32	
35 trans-1,2-Dichloroethene	96	4.146	4.146	0.000	100	590133	10.0	9.21	
36 Hexane	57	4.554	4.554	0.000	92	743484	10.0	8.94	
37 1,1-Dichloroethane	63	4.798	4.798	0.000	96	1025884	10.0	9.32	
39 Isopropyl ether	45	4.865	4.865	0.000	93	1860197	10.0	9.48	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.908	4.908	0.000	90	835022	10.0	9.15	
41 Tert-butyl ethyl ether	59	5.408	5.408	0.000	97	1742682	10.0	9.07	
42 2-Butanone (MEK)	43	5.609	5.609	0.000	99	1678530	100.0	103.0	
43 cis-1,2-Dichloroethene	96	5.646	5.646	0.000	81	677119	10.0	9.41	
44 2,2-Dichloropropane	77	5.664	5.664	0.000	87	832564	10.0	9.13	
45 Propionitrile	54	5.707	5.707	0.000	99	999245	200.0	227.3	
47 Methacrylonitrile	67	5.926	5.926	0.000	91	1726063	100.0	107.1	
49 Tetrahydrofuran	71	5.981	5.981	0.000	76	250176	50.0	49.2	
48 Chlorobromomethane	128	5.981	5.981	0.000	87	323923	10.0	9.75	
50 Chloroform	83	6.139	6.139	0.000	93	1058275	10.0	9.08	
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	93	570829	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.365	6.365	0.000	98	908803	10.0	9.33	
55 Cyclohexane	56	6.463	6.463	0.000	89	954206	10.0	9.20	
56 Carbon tetrachloride	117	6.572	6.572	0.000	95	828800	10.0	9.40	
57 1,1-Dichloropropene	75	6.578	6.578	0.000	98	820394	10.0	9.42	
58 Isobutyl alcohol	41	6.767	6.767	0.000	95	632084	500.0	509.0	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.816	0.000	95	115300	10.0	9.92	
60 Benzene	78	6.847	6.847	0.000	96	2481514	10.0	9.48	
61 1,2-Dichloroethane	62	6.920	6.920	0.000	97	660401	10.0	9.89	
64 Tert-amyl methyl ether	73	7.054	7.054	0.000	99	1658610	10.0	9.29	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	98	2346142	10.0	10.0	
66 n-Heptane	43	7.279	7.279	0.000	91	823710	10.0	9.55	
67 n-Butanol	56	7.676	7.676	0.000	88	1106387	875.0	969.3	
68 Trichloroethene	95	7.749	7.749	0.000	96	668759	10.0	9.28	
69 Methylcyclohexane	83	8.060	8.060	0.000	91	1078034	10.0	9.34	
70 1,2-Dichloropropane	63	8.090	8.090	0.000	98	652135	10.0	9.74	
71 2-ethoxy-2-methyl butane	87	8.115	8.115	0.000	94	1032412	10.0	9.48	
74 1,4-Dioxane	88	8.188	8.188	0.000	36	141196	500.0	630.4	M
73 Methyl methacrylate	69	8.194	8.194	0.000	91	326967	10.0	9.68	
72 Dibromomethane	93	8.200	8.200	0.000	94	336771	10.0	9.87	
76 Dichlorobromomethane	83	8.450	8.450	0.000	99	781090	10.0	9.66	
77 2-Nitropropane	41	8.736	8.736	0.000	98	449242	50.0	49.4	
78 1-Bromo-2-chloroethane	63	8.846	8.846	0.000	98	689611	10.0	10.5	
80 cis-1,3-Dichloropropene	75	9.023	9.023	0.000	97	1011929	10.0	9.67	
82 4-Methyl-2-pentanone (MIBK)	43	9.224	9.224	0.000	96	4321326	100.0	103.7	
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2373713	10.0	10.0	
84 Toluene	92	9.438	9.438	0.000	98	1685598	10.0	9.58	
85 trans-1,3-Dichloropropene	75	9.724	9.724	0.000	91	852099	10.0	9.50	
86 Ethyl methacrylate	69	9.797	9.797	0.000	89	718732	10.0	9.36	
87 1,1,2-Trichloroethane	97	9.937	9.937	0.000	90	487783	10.0	9.58	
88 Tetrachloroethene	166	10.017	10.017	0.000	97	823639	10.0	9.43	
89 1,3-Dichloropropane	76	10.108	10.108	0.000	89	828875	10.0	9.80	
106 2-Hexanone	43	10.175	10.175	0.000	96	3092391	100.0	102.1	
108 Chlorodibromomethane	129	10.328	10.328	0.000	90	639794	10.0	9.78	
110 Ethylene Dibromide	107	10.437	10.437	0.000	99	487610	10.0	9.66	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	83	1852533	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	97	925428	10.0	8.97	
113 Chlorobenzene	112	10.925	10.925	0.000	98	2041131	10.0	9.70	
114 1,1,1,2-Tetrachloroethane	131	11.010	11.010	0.000	97	717722	10.0	9.68	
115 Ethylbenzene	91	11.017	11.017	0.000	98	3320068	10.0	9.61	
116 m-Xylene & p-Xylene	106	11.138	11.138	0.000	97	2718890	20.0	19.2	
118 o-Xylene	106	11.480	11.480	0.000	96	1334806	10.0	9.57	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
119 Styrene	104	11.498	11.498	0.000	95	2236611	10.0	9.68	
120 Bromoform	173	11.651	11.651	0.000	98	387840	10.0	9.20	
121 Isopropylbenzene	105	11.791	11.791	0.000	95	3175046	10.0	9.59	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	94	884737	10.0	9.92	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	72	614249	10.0	9.50	
125 Bromobenzene	156	12.053	12.053	0.000	86	918123	10.0	9.42	
127 trans-1,4-Dichloro-2-butene	53	12.077	12.077	0.000	90	1167298	100.0	76.9	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	80	172460	10.0	9.61	
129 N-Propylbenzene	91	12.132	12.132	0.000	98	3947018	10.0	9.42	
130 2-Chlorotoluene	126	12.205	12.205	0.000	98	866549	10.0	9.23	
131 1,3,5-Trimethylbenzene	105	12.272	12.272	0.000	94	2945967	10.0	9.42	
132 4-Chlorotoluene	126	12.303	12.303	0.000	96	910446	10.0	9.30	
133 tert-Butylbenzene	134	12.522	12.522	0.000	92	695381	10.0	9.24	
134 Pentachloroethane	167	12.547	12.547	0.000	93	549847	10.0	9.75	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	96	3049649	10.0	9.44	
136 sec-Butylbenzene	105	12.687	12.687	0.000	93	3795267	10.0	9.40	
137 1,3-Dichlorobenzene	146	12.784	12.784	0.000	98	1807066	10.0	9.39	
138 4-Isopropyltoluene	119	12.797	12.797	0.000	97	3434176	10.0	9.47	
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	92	1107439	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.858	12.858	0.000	96	1840717	10.0	9.35	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	97	1412376	10.0	9.47	
142 Benzyl chloride	126	12.943	12.943	0.000	98	279086	10.0	9.42	
145 p-Diethylbenzene	119	13.077	13.077	0.000	94	2119852	10.0	9.38	
143 n-Butylbenzene	92	13.095	13.095	0.000	97	1654339	10.0	9.50	
144 1,2-Dichlorobenzene	146	13.120	13.120	0.000	99	1678416	10.0	9.55	
148 1,2-Dibromo-3-Chloropropane	155	13.675	13.675	0.000	90	98682	10.0	9.22	
149 1,3,5-Trichlorobenzene	180	13.803	13.803	0.000	98	1363785	10.0	9.13	
150 1,2,4-Trichlorobenzene	180	14.229	14.229	0.000	94	1091930	10.0	9.02	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	96	558640	10.0	8.94	
152 Naphthalene	128	14.412	14.412	0.000	96	1650742	10.0	8.62	
153 1,2,3-Trichlorobenzene	180	14.559	14.559	0.000	96	802417	10.0	8.50	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	450273	10.0	5.31	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00135

Amount Added: 20.00

Units: uL

MSV_LL_#2_826_00143

Amount Added: 20.00

Units: uL

MSV_LL_GAS826_00218

Amount Added: 20.00

Units: uL

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X02.D

Injection Date: 08-Jul-2024 11:39:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: CCVIS VSTD10

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

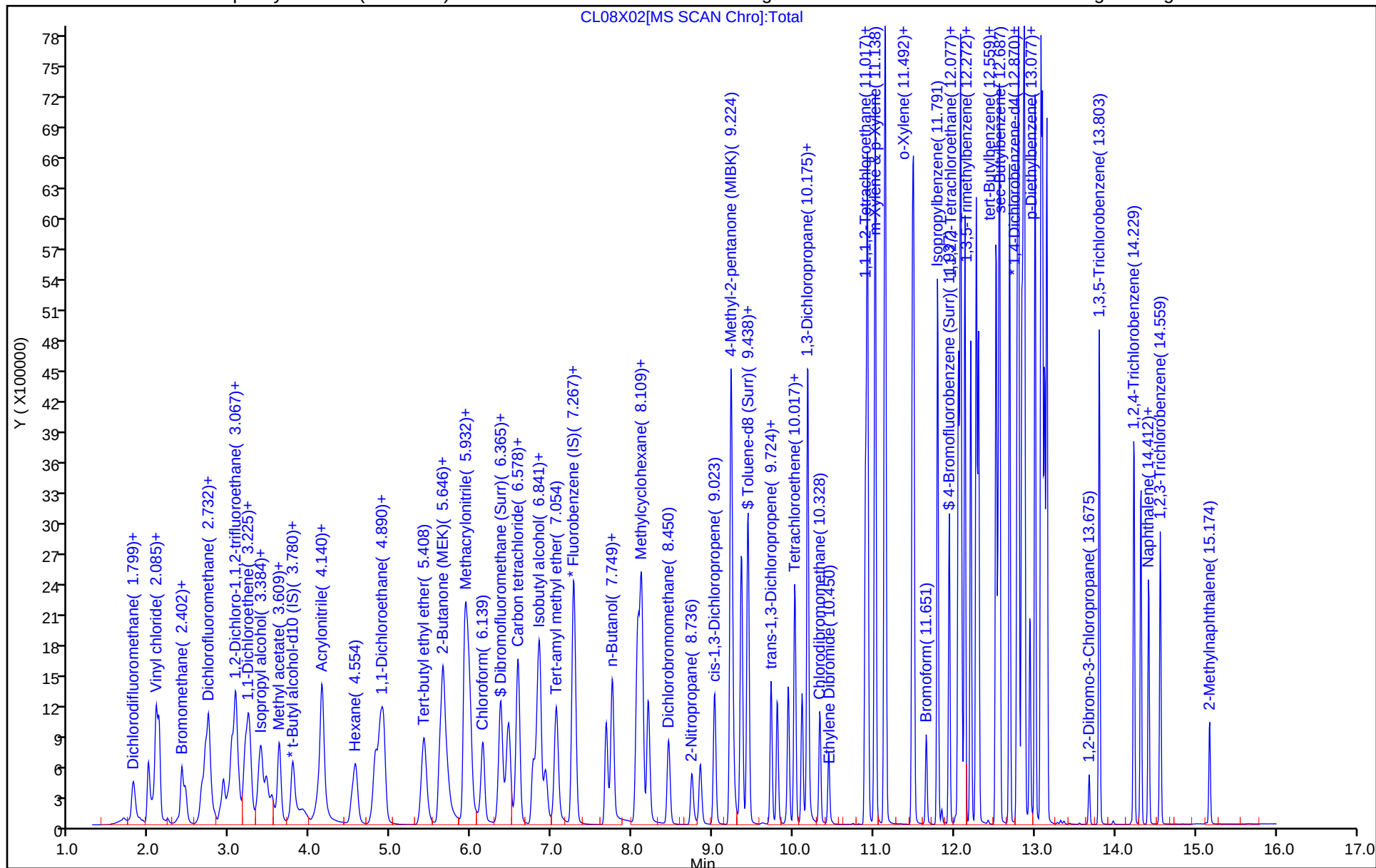
ALS Bottle#: 2

Method: MSV_10193_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

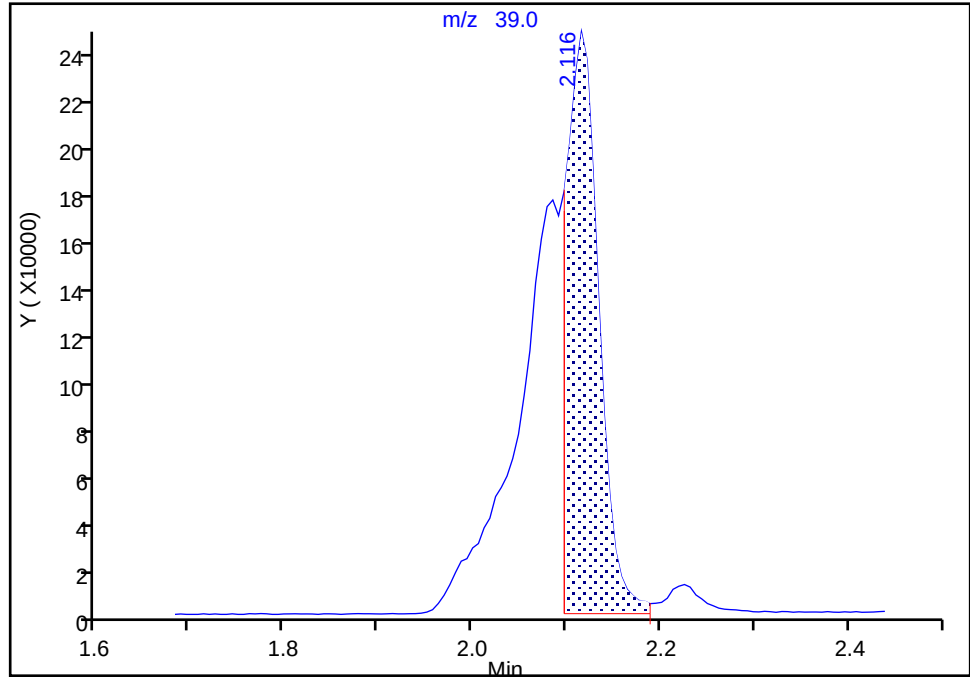
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Injection Date: 08-Jul-2024 11:39:30 Instrument ID: 10193
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

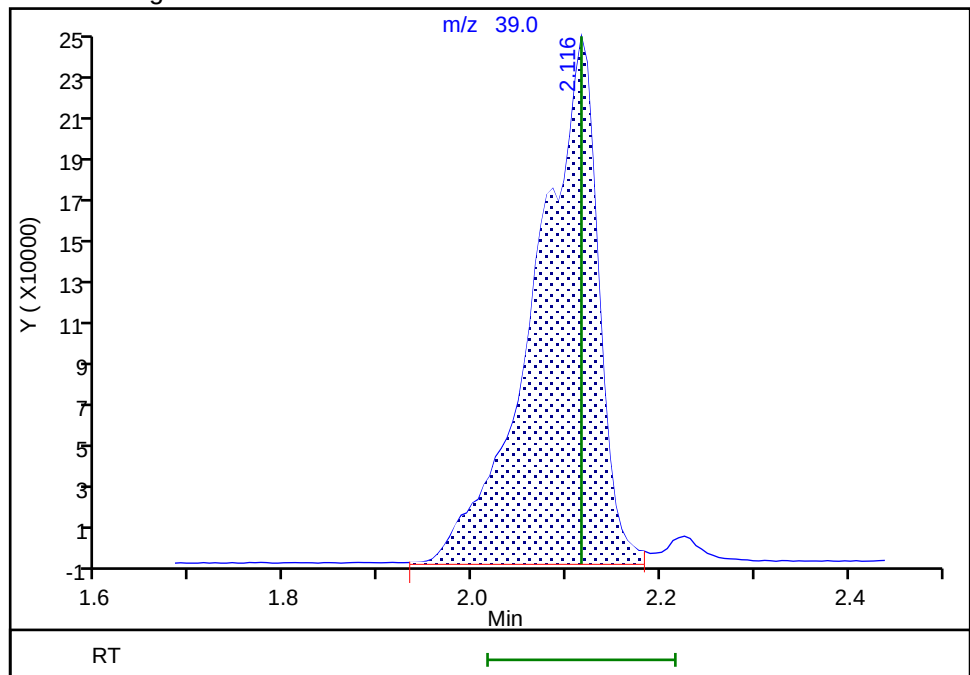
RT: 2.12
Area: 586394
Amount: 6.334038
Amount Units: ug/l

Processing Integration Results



RT: 2.12
Area: 1152658
Amount: 12.450639
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 08-Jul-2024 12:03:25 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

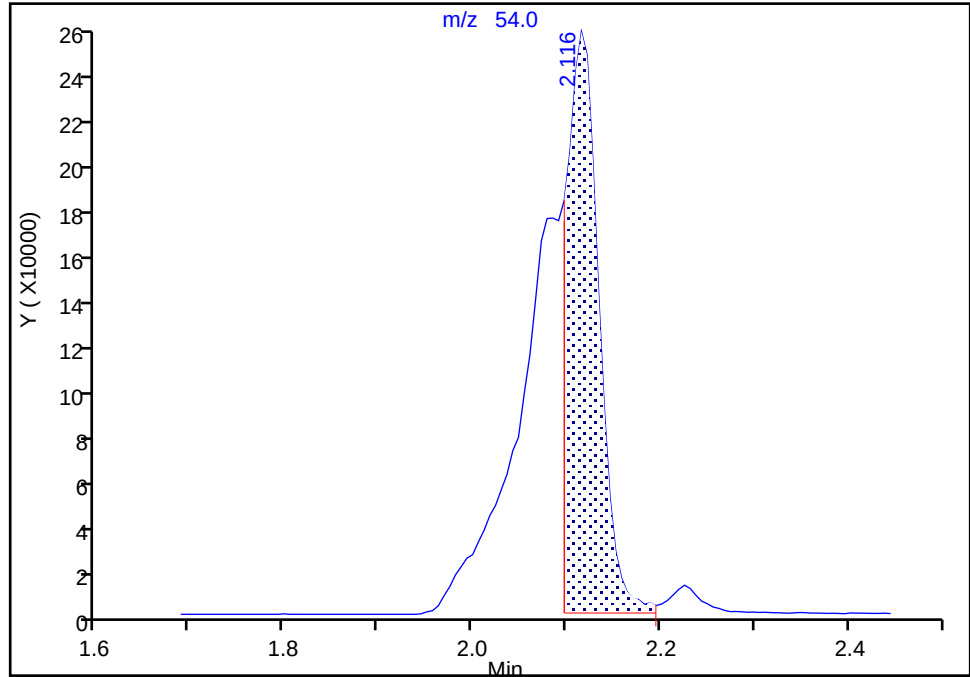
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Injection Date: 08-Jul-2024 11:39:30 Instrument ID: 10193
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 2

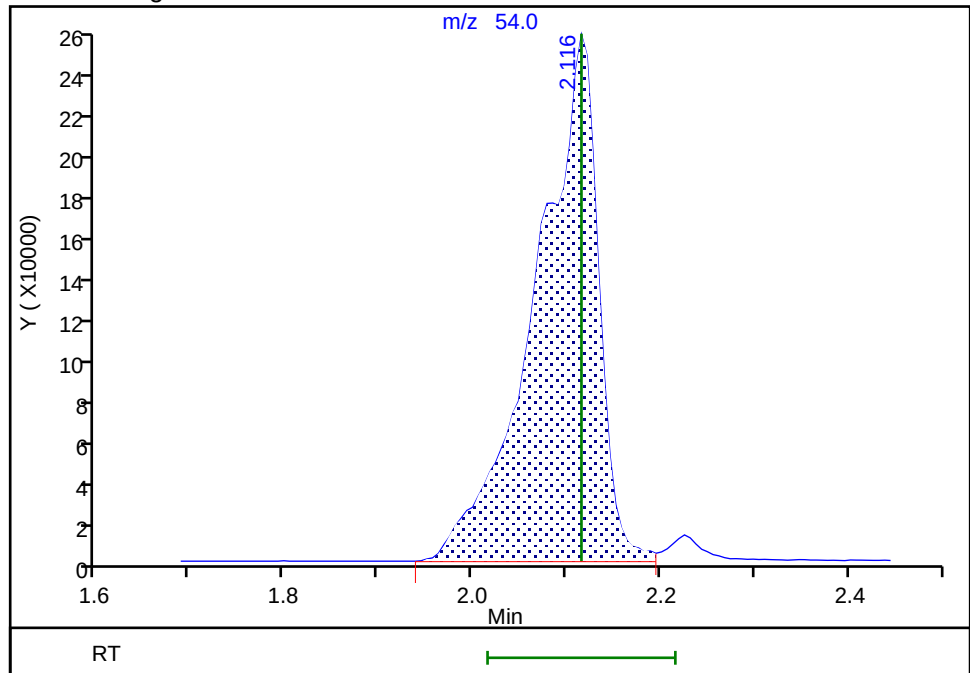
RT: 2.12
Area: 606957
Amount: 6.334038
Amount Units: ug/l

Processing Integration Results



RT: 2.12
Area: 1181329
Amount: 12.450639
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 08-Jul-2024 12:04:42 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

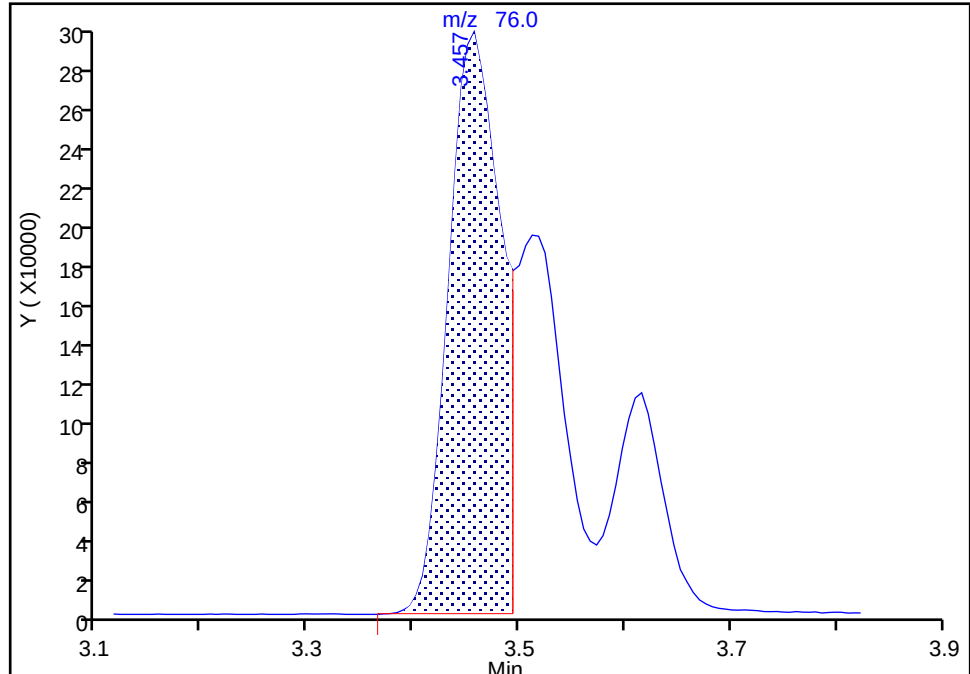
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Injection Date: 08-Jul-2024 11:39:30 Instrument ID: 10193
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

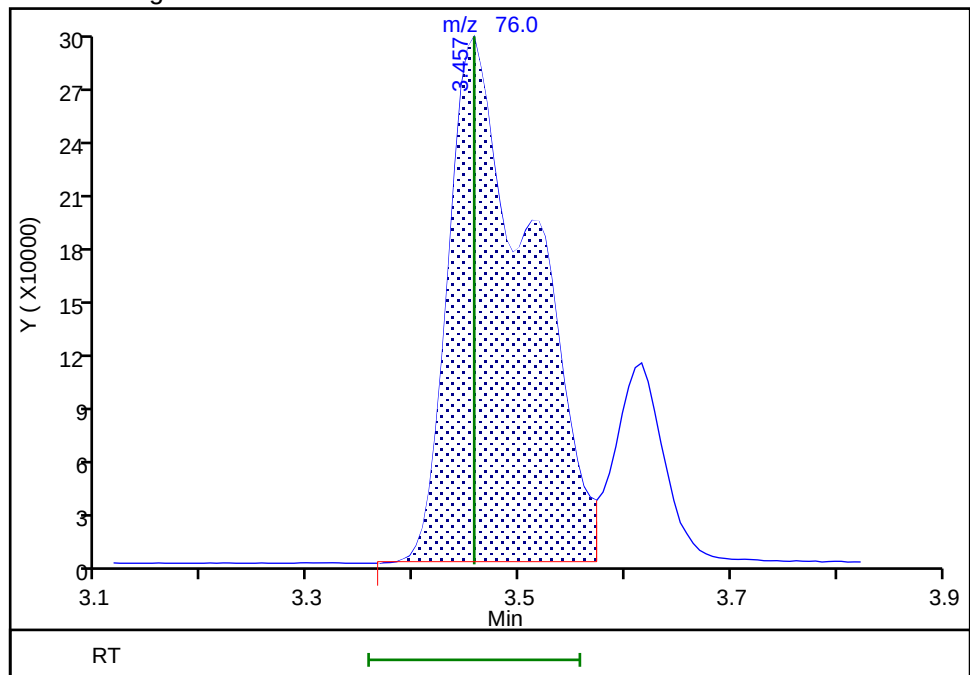
RT: 3.46
Area: 1022635
Amount: 5.869520
Amount Units: ug/l

Processing Integration Results



RT: 3.46
Area: 1588371
Amount: 9.116620
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 08-Jul-2024 12:05:38 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

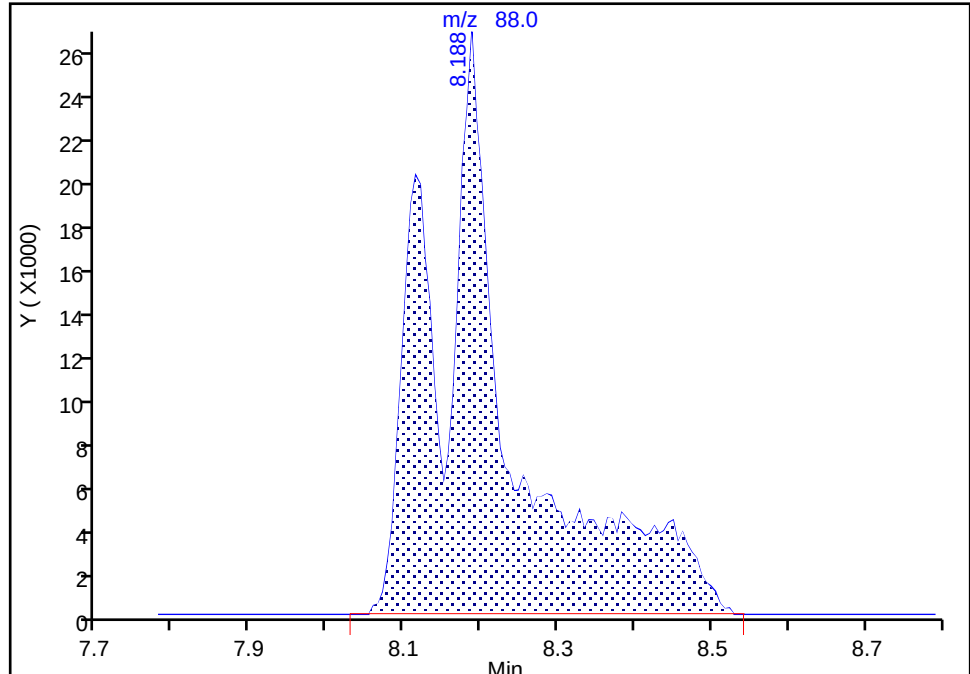
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Injection Date: 08-Jul-2024 11:39:30 Instrument ID: 10193
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

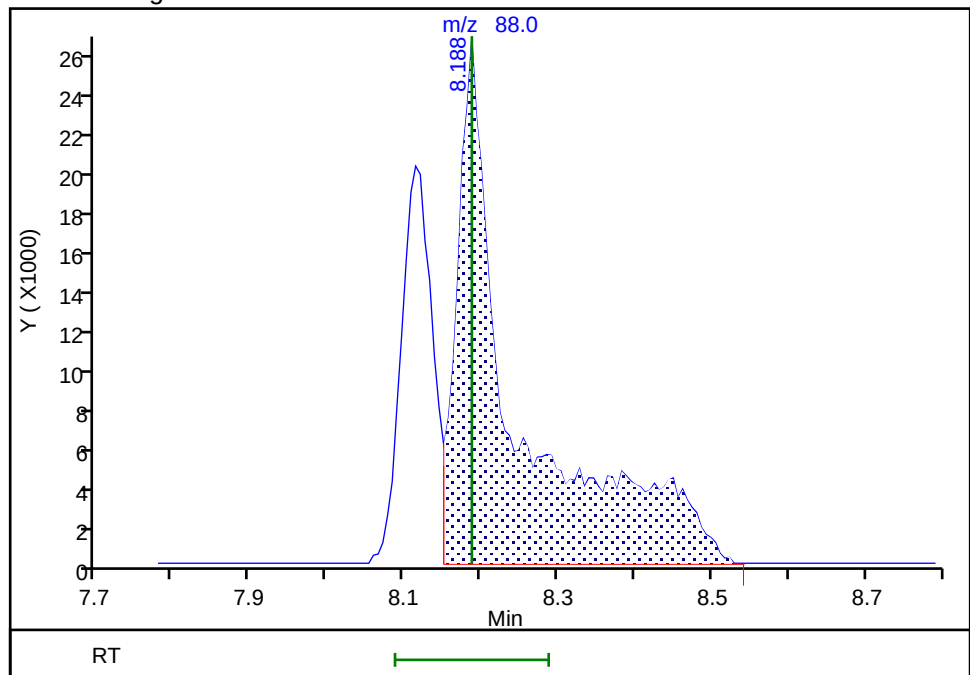
RT: 8.19
Area: 195559
Amount: 873.1288
Amount Units: ug/l

Processing Integration Results



RT: 8.19
Area: 141196
Amount: 630.4097
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 08-Jul-2024 12:06:59 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.: _____

Lab Sample ID: ICV 410-518132/21

Calibration Date: 06/15/2024 01:18

Instrument ID: 16334

Calib Start Date: 06/14/2024 22:22

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

Calib End Date: 06/15/2024 00:34

Lab File ID: GU14X20.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	0.3341	0.2667	0.1000	3.99	5.00	-20.2	30.0
Chloromethane	Ave	0.3941	0.3456	0.1000	4.38	5.00	-12.3	30.0
1,3-Butadiene	Ave	0.3635	0.2998		4.12	5.00	-17.5	30.0
Vinyl chloride	Ave	0.3771	0.3278	0.1000	4.35	5.00	-13.1	30.0
Bromomethane	Ave	0.2333	0.2106	0.1000	4.51	5.00	-9.7	30.0
Chloroethane	Ave	0.2158	0.1948	0.1000	4.51	5.00	-9.7	30.0
Dichlorofluoromethane	Ave	0.5591	0.4596		4.11	5.00	-17.8	30.0
Pentane	None					5.00		30.0
Trichlorofluoromethane	Ave	0.3865	0.3514	0.1000	4.55	5.00	-9.1	30.0
Ethyl ether	Ave	0.1488	0.1478		4.95	4.98	-0.7	30.0
Freon 123a	Ave	0.3165	0.2881		4.55	5.00	-9.0	30.0
Acrolein	Ave	2.216	1.568		26.6	37.6	-29.2	30.0
1,1-Dichloroethene	Ave	0.2065	0.2082	0.1000	5.04	5.00	0.8	30.0
Acetone	Ave	2.689	3.028	0.1000	70.4	62.5	12.6	30.0
Freon 113	Ave	0.2174	0.1898	0.1000	4.36	5.00	-12.7	30.0
Methyl iodide	Ave	0.3717	0.3523		4.74	5.00	-5.2	30.0
Ethyl bromide	Ave	0.1786	0.1834		4.84	4.72	2.7	30.0
Carbon disulfide	Ave	0.7388	0.7276	0.1000	4.92	5.00	-1.5	30.0
Methyl acetate	Ave	7.321	9.094	0.1000	6.21	5.00	24.2	30.0
Allyl chloride	Ave	0.3840	0.3704		4.82	5.00	-3.5	30.0
Methylene Chloride	Ave	0.2402	0.2293	0.1000	4.77	5.00	-4.5	30.0
t-Butyl alcohol	Ave	0.8770	1.003		57.2	50.0	14.4	30.0
Acrylonitrile	Ave	3.972	4.653		29.3	25.0	17.1	30.0
Methyl tertiary butyl ether	Ave	0.4879	0.4729	0.1000	4.85	5.00	-3.1	30.0
trans-1,2-Dichloroethene	Ave	0.2487	0.2454	0.1000	4.93	5.00	-1.3	30.0
n-Hexane	Ave	0.3325	0.3354		5.04	5.00	0.9	30.0
1,1-Dichloroethane	Ave	0.4636	0.4704	0.2000	5.07	5.00	1.5	30.0
di-Isopropyl ether	Ave	0.7909	0.7939		5.02	5.00	0.4	30.0
2-Chloro-1,3-butadiene	Ave	0.3595	0.3702		5.15	5.00	3.0	30.0
Ethyl t-butyl ether	Ave	0.6578	0.6768		5.14	5.00	2.9	30.0
2-Butanone	Ave	4.856	5.480	0.1000	70.5	62.5	12.9	30.0
cis-1,2-Dichloroethene	Ave	0.2759	0.2658	0.1000	4.82	5.00	-3.7	30.0
2,2-Dichloropropane	Ave	0.3794	0.3814		5.03	5.00	0.5	30.0
Propionitrile	Ave	1.336	1.290		36.2	37.5	-3.5	30.0
Methacrylonitrile	Ave	4.986	5.955		44.8	37.5	19.4	30.0
Bromochloromethane	Ave	0.1011	0.1041		5.15	5.00	3.0	30.0
Tetrahydrofuran	Ave	1.227	1.512		30.8	25.0	23.2	30.0
Chloroform	Ave	0.4665	0.4508	0.2000	4.83	5.00	-3.4	30.0
1,1,1-Trichloroethane	Ave	0.3765	0.3779	0.1000	5.02	5.00	0.4	30.0
Cyclohexane	Ave	0.4252	0.4104	0.1000	4.83	5.00	-3.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.: _____

Lab Sample ID: ICV 410-518132/21

Calibration Date: 06/15/2024 01:18

Instrument ID: 16334

Calib Start Date: 06/14/2024 22:22

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

Calib End Date: 06/15/2024 00:34

Lab File ID: GU14X20.D

Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.3205	0.3250	0.1000	5.07	5.00	1.4	30.0
1,1-Dichloropropene	Ave	0.3492	0.3503		5.02	5.00	0.3	30.0
Isobutyl alcohol	Ave	0.0027	0.0027		125	125	-0.1	30.0
Benzene	Ave	1.046	1.046	0.5000	5.00	5.00	0.0	30.0
1,2-Dichloroethane	Ave	0.2421	0.2505	0.1000	5.17	5.00	3.5	30.0
t-Amyl methyl ether	Ave	0.5466	0.5499		5.03	5.00	0.6	30.0
n-Heptane	Ave	0.3808	0.3795		4.98	5.00	-0.4	30.0
n-Butanol	Ave	0.2343	0.2689		287	250	14.8	30.0
Trichloroethene	Ave	0.2684	0.2658	0.2000	4.95	5.00	-1.0	30.0
Methylcyclohexane	Ave	0.4397	0.4212	0.1000	4.79	5.00	-4.2	30.0
1,2-Dichloropropane	Ave	0.2664	0.2707	0.1000	5.08	5.00	1.6	30.0
1,4-Dioxane	Lin		0.0866	0.0050	147	125	17.6	30.0
Methyl methacrylate	Ave	8.653	9.872		5.70	5.00	14.1	30.0
Dibromomethane	Ave	0.1039	0.1045		5.03	5.00	0.5	30.0
Bromodichloromethane	Ave	0.2926	0.2987	0.2000	5.10	5.00	2.1	30.0
2-Nitropropane	Ave	2.792	2.817		5.04	5.00	0.9	30.0
1-Bromo-2-chloroethane	Ave	0.2136	0.2275		5.33	5.00	6.5	30.0
cis-1,3-Dichloropropene	Ave	0.3562	0.3560	0.2000	5.00	5.00	-0.0	30.0
4-Methyl-2-pentanone	Ave	12.12	14.36	0.1000	74.1	62.5	18.5	30.0
Toluene	Ave	0.9246	0.9143	0.4000	4.94	5.00	-1.1	30.0
trans-1,3-Dichloropropene	Ave	0.3880	0.4056	0.1000	5.23	5.00	4.5	30.0
Ethyl methacrylate	Ave	0.2442	0.2627		5.38	5.00	7.6	30.0
1,1,2-Trichloroethane	Ave	0.2081	0.2087	0.1000	5.01	5.00	0.2	30.0
Tetrachloroethene	Ave	0.3925	0.3832	0.2000	4.88	5.00	-2.4	30.0
1,3-Dichloropropane	Ave	0.3747	0.3811		5.08	5.00	1.7	30.0
2-Hexanone	Ave	7.775	9.560	0.1000	76.9	62.5	23.0	30.0
Dibromochloromethane	Ave	0.2505	0.2556		5.10	5.00	2.0	30.0
1,2-Dibromoethane	Ave	0.1850	0.1880	0.1000	5.08	5.00	1.7	30.0
1-Chlorohexane	Ave	0.5193	0.4834		4.65	5.00	-6.9	30.0
Chlorobenzene	Ave	1.024	1.000	0.5000	4.88	5.00	-2.3	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3380	0.3358		4.97	5.00	-0.7	30.0
Ethylbenzene	Ave	1.784	1.813	0.1000	5.08	5.00	1.7	30.0
m&p-Xylene	Ave	0.6890	0.6914	0.1000	10.0	10.0	0.4	30.0
o-Xylene	Ave	0.6689	0.6608	0.3000	4.94	5.00	-1.2	30.0
Styrene	Ave	1.014	1.051	0.3000	5.19	5.00	3.7	30.0
Bromoform	Ave	0.1339	0.1373	0.1000	5.13	5.00	2.5	30.0
Isopropylbenzene	Ave	1.608	1.767	0.1000	5.49	5.00	9.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4542	0.4606	0.3000	5.07	5.00	1.4	30.0
Bromobenzene	Ave	0.7114	0.6977		4.90	5.00	-1.9	30.0
trans-1,4-Dichloro-2-butene	Ave	4.854	5.655		29.1	25.0	16.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.: _____

Lab Sample ID: ICV 410-518132/21

Calibration Date: 06/15/2024 01:18

Instrument ID: 16334

Calib Start Date: 06/14/2024 22:22

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

Calib End Date: 06/15/2024 00:34

Lab File ID: GU14X20.D

Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.1141	0.1153		5.05	5.00	1.0	30.0
N-Propylbenzene	Ave	3.918	4.033		5.15	5.00	2.9	30.0
2-Chlorotoluene	Ave	0.7811	0.7745		4.96	5.00	-0.8	30.0
1,3,5-Trimethylbenzene	Ave	2.723	2.769		5.08	5.00	1.7	30.0
4-Chlorotoluene	Ave	0.8040	0.7834		4.87	5.00	-2.6	30.0
tert-Butylbenzene	Ave	0.6122	0.6106		4.99	5.00	-0.3	30.0
Pentachloroethane	Ave	0.4206	0.4318		5.13	5.00	2.7	30.0
1,2,4-Trimethylbenzene	Ave	2.773	2.839		5.12	5.00	2.4	30.0
sec-Butylbenzene	Ave	3.552	3.625		5.10	5.00	2.1	30.0
1,3-Dichlorobenzene	Ave	1.511	1.490	0.6000	4.93	5.00	-1.4	30.0
p-Isopropyltoluene	Ave	3.013	3.036		5.04	5.00	0.7	30.0
1,4-Dichlorobenzene	Ave	1.603	1.497	0.5000	4.67	5.00	-6.6	30.0
1,2,3-Trimethylbenzene	Ave	1.251	1.173		4.69	5.00	-6.2	30.0
Benzyl chloride	Ave	0.1667	0.1750		5.25	5.00	4.9	30.0
n-Butylbenzene	Ave	1.587	1.637		5.16	5.00	3.2	30.0
1,2-Dichlorobenzene	Ave	1.339	1.322	0.4000	4.94	5.00	-1.3	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0500	0.0498*	0.0500	4.98	5.00	-0.3	30.0
1,3,5-Trichlorobenzene	Ave	1.195	1.162		4.86	5.00	-2.7	30.0
1,2,4-Trichlorobenzene	Ave	0.9205	0.9103	0.2000	4.94	5.00	-1.1	30.0
Hexachlorobutadiene	Ave	0.5092	0.4980		4.89	5.00	-2.2	30.0
Naphthalene	Ave	1.219	1.231		5.05	5.00	0.9	30.0
1,2,3-Trichlorobenzene	Ave	0.6864	0.6652		4.85	5.00	-3.1	30.0
Dibromofluoromethane (Surr)	Ave	0.2303	0.2314		10.0	10.0	0.5	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0440	0.0439		9.98	10.0	-0.2	30.0
Toluene-d8 (Surr)	Ave	1.374	1.393		10.1	10.0	1.3	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4923	0.5015		10.2	10.0	1.9	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X20.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 15-Jun-2024 01:18:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0116727-021
 Misc. Info.: ICV LG
 Operator ID: mec29284 Instrument ID: 16334
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Jun-2024 15:07:00 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1672

First Level Reviewer: UCB5

Date: 16-Jun-2024 12:06:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.861	1.855	0.006	99	276259	5.00	3.99	
5 Chloromethane	50	2.056	2.044	0.012	99	357997	5.00	4.38	
7 Butadiene	39	2.154	2.142	0.012	94	310557	5.00	4.12	
6 Vinyl chloride	62	2.166	2.154	0.012	98	339521	5.00	4.35	
9 Bromomethane	94	2.495	2.483	0.012	91	218185	5.00	4.51	M
10 Chloroethane	64	2.538	2.526	0.012	100	201749	5.00	4.51	
11 Dichlorofluoromethane	67	2.751	2.745	0.006	97	476129	5.00	4.11	M
12 Trichlorofluoromethane	101	2.855	2.843	0.012	68	364055	5.00	4.55	
13 Ethyl ether	59	3.044	3.038	0.006	93	152615	4.98	4.95	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.141	3.129	0.012	95	298469	5.00	4.55	
17 Acrolein	56	3.209	3.196	0.013	99	101260	37.6	26.6	M
18 1,1-Dichloroethene	96	3.330	3.324	0.006	97	215623	5.00	5.04	
19 Acetone	43	3.361	3.355	0.006	100	325187	62.5	70.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.379	3.367	0.012	94	196600	5.00	4.36	
22 Iodomethane	142	3.513	3.501	0.012	99	364935	5.00	4.74	
21 Isopropyl alcohol	45	3.544	3.532	0.012	30	31881	37.5	37.4	
23 Ethyl bromide	108	3.538	3.532	0.006	98	179191	4.72	4.84	
24 Carbon disulfide	76	3.611	3.599	0.012	99	753682	5.00	4.92	
25 Methyl acetate	43	3.763	3.751	0.012	98	78132	5.00	6.21	
27 3-Chloro-1-propene	41	3.775	3.763	0.012	91	383740	5.00	4.82	
29 Methylene Chloride	84	3.952	3.940	0.012	95	237502	5.00	4.77	
* 30 t-Butyl alcohol-d10 (IS)	65	3.971	3.964	0.007	97	85916	50.0	50.0	
31 2-Methyl-2-propanol	59	4.099	4.080	0.019	99	86188	50.0	57.2	
32 Acrylonitrile	53	4.281	4.269	0.012	99	199896	25.0	29.3	
33 Methyl tert-butyl ether	73	4.336	4.330	0.006	94	489829	5.00	4.85	
34 trans-1,2-Dichloroethene	96	4.342	4.330	0.012	99	254196	5.00	4.93	
35 Hexane	57	4.769	4.763	0.006	93	347426	5.00	5.04	
37 1,1-Dichloroethane	63	5.001	4.995	0.006	96	487291	5.00	5.07	
38 Isopropyl ether	45	5.074	5.062	0.012	95	822404	5.00	5.02	
39 2-Chloro-1,3-butadiene	53	5.117	5.105	0.013	92	383447	5.00	5.15	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.611	5.604	0.006	98	701085	5.00	5.14	
41 2-Butanone (MEK)	43	5.824	5.818	0.006	100	588566	62.5	70.5	
42 cis-1,2-Dichloroethene	96	5.848	5.836	0.012	84	275326	5.00	4.82	
43 2,2-Dichloropropane	77	5.854	5.848	0.006	88	395091	5.00	5.03	
45 Propionitrile	54	5.928	5.903	0.025	97	83142	37.5	36.2	
48 Methacrylonitrile	67	6.123	6.117	0.007	91	383732	37.5	44.8	
49 Chlorobromomethane	128	6.177	6.165	0.012	96	107848	5.00	5.15	
50 Tetrahydrofuran	71	6.208	6.196	0.012	79	64944	25.0	30.8	
51 Chloroform	83	6.330	6.324	0.006	94	466978	5.00	4.83	
\$ 52 Dibromofluoromethane (Surr)	113	6.543	6.537	0.006	93	479315	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.555	6.549	0.006	98	391514	5.00	5.02	
54 Cyclohexane	56	6.647	6.647	0.000	92	425173	5.00	4.83	
55 Carbon tetrachloride	117	6.763	6.757	0.006	95	336648	5.00	5.07	
56 1,1-Dichloropropene	75	6.769	6.763	0.006	93	362897	5.00	5.02	
58 Isobutyl alcohol	41	6.970	6.952	0.018	90	69635	125.0	124.8	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.000	6.994	0.006	92	91040	10.0	9.98	
60 Benzene	78	7.031	7.025	0.006	97	1083970	5.00	5.00	
61 1,2-Dichloroethane	62	7.098	7.092	0.006	97	259490	5.00	5.17	
63 Tert-amyl methyl ether	73	7.232	7.232	0.000	98	569686	5.00	5.03	
* 64 Fluorobenzene (IS)	96	7.439	7.433	0.006	97	2071783	10.0	10.0	
65 n-Heptane	43	7.458	7.452	0.006	97	393073	5.00	4.98	
67 n-Butanol	56	7.866	7.848	0.018	90	115514	250.0	287.0	
68 Trichloroethene	95	7.915	7.915	0.000	99	275308	5.00	4.95	
69 Methylcyclohexane	83	8.220	8.220	0.000	93	436353	5.00	4.79	
70 1,2-Dichloropropane	63	8.250	8.244	0.006	95	280385	5.00	5.08	
71 2-ethoxy-2-methyl butane	87	8.269	8.269	0.000	92	373856	5.00	4.78	
73 1,4-Dioxane	88	8.354	8.348	0.006	31	18603	125.0	147.0	M
72 Methyl methacrylate	69	8.354	8.348	0.006	95	84820	5.00	5.70	
74 Dibromomethane	93	8.360	8.354	0.006	96	108206	5.00	5.03	
76 Dichlorobromomethane	83	8.598	8.592	0.006	99	309407	5.00	5.10	
77 2-Nitropropane	41	8.872	8.866	0.006	99	24199	5.00	5.04	
79 1-Bromo-2-chloroethane	63	8.988	8.982	0.006	99	235628	5.00	5.33	
81 cis-1,3-Dichloropropene	75	9.159	9.152	0.007	96	368757	5.00	5.00	
82 4-Methyl-2-pentanone (MIBK)	43	9.348	9.348	0.000	97	1542489	62.5	74.1	
\$ 83 Toluene-d8 (Surr)	98	9.476	9.476	0.000	94	2058270	10.0	10.1	
84 Toluene	92	9.555	9.555	0.000	97	675540	5.00	4.94	
85 trans-1,3-Dichloropropene	75	9.823	9.823	0.000	93	299662	5.00	5.23	
86 Ethyl methacrylate	69	9.896	9.896	0.000	90	194117	5.00	5.38	
107 1,1,2-Trichloroethane	97	10.030	10.030	0.000	91	154169	5.00	5.01	
108 Tetrachloroethene	166	10.116	10.116	0.000	96	283138	5.00	4.88	
109 1,3-Dichloropropane	76	10.195	10.195	0.000	91	281569	5.00	5.08	
110 2-Hexanone	43	10.262	10.262	0.000	98	1026651	62.5	76.9	
112 Chlorodibromomethane	129	10.414	10.408	0.006	90	188841	5.00	5.10	
113 Ethylene Dibromide	107	10.518	10.518	0.000	98	138934	5.00	5.08	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.963	0.000	87	1477768	10.0	10.0	
115 1-Chlorohexane	91	10.975	10.975	0.000	99	357176	5.00	4.65	
116 Chlorobenzene	112	10.988	10.988	0.000	93	738660	5.00	4.88	
117 1,1,1,2-Tetrachloroethane	131	11.073	11.073	0.000	96	248129	5.00	4.97	
118 Ethylbenzene	91	11.079	11.079	0.000	99	1339910	5.00	5.08	
120 m-Xylene & p-Xylene	106	11.195	11.195	0.000	100	1021767	10.0	10.0	
121 o-Xylene	106	11.524	11.524	0.000	97	488244	5.00	4.94	
122 Styrene	104	11.542	11.542	0.000	95	776926	5.00	5.19	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Bromoform	173	11.695	11.695	0.000	95	101430	5.00	5.13	
124 Isopropylbenzene	105	11.829	11.829	0.000	96	1305276	5.00	5.49	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	87	741096	10.0	10.2	
128 1,1,2,2-Tetrachloroethane	83	12.073	12.073	0.000	94	187087	5.00	5.07	
129 Bromobenzene	156	12.085	12.085	0.000	97	283379	5.00	4.90	
130 trans-1,4-Dichloro-2-butene	53	12.103	12.097	0.006	91	242935	25.0	29.1	
131 1,2,3-Trichloropropane	110	12.121	12.115	0.006	82	46813	5.00	5.05	
132 N-Propylbenzene	91	12.158	12.158	0.000	99	1638002	5.00	5.15	
133 2-Chlorotoluene	126	12.231	12.231	0.000	96	314597	5.00	4.96	
134 1,3,5-Trimethylbenzene	105	12.292	12.292	0.000	94	1124805	5.00	5.08	
135 4-Chlorotoluene	126	12.323	12.323	0.000	98	318208	5.00	4.87	
136 tert-Butylbenzene	134	12.530	12.530	0.000	93	248018	5.00	4.99	
137 Pentachloroethane	167	12.560	12.560	0.000	93	175384	5.00	5.13	
138 1,2,4-Trimethylbenzene	105	12.579	12.573	0.006	98	1153249	5.00	5.12	
139 sec-Butylbenzene	105	12.694	12.694	0.000	95	1472466	5.00	5.10	
140 1,3-Dichlorobenzene	146	12.792	12.792	0.000	97	605115	5.00	4.93	
141 4-Isopropyltoluene	119	12.804	12.804	0.000	97	1233133	5.00	5.04	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	95	812365	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.865	12.865	0.000	94	607985	5.00	4.67	
144 1,2,3-Trimethylbenzene	120	12.877	12.877	0.000	99	476561	5.00	4.69	
145 Benzyl chloride	126	12.944	12.944	0.000	99	71076	5.00	5.25	
146 p-Diethylbenzene	119	13.005	13.005	0.000	91	728118	5.00	5.06	
147 n-Butylbenzene	92	13.097	13.091	0.006	97	665085	5.00	5.16	
148 1,2-Dichlorobenzene	146	13.127	13.121	0.006	97	536923	5.00	4.94	
150 1,2-Dibromo-3-Chloropropane	155	13.664	13.664	0.000	82	20243	5.00	4.98	
151 1,3,5-Trichlorobenzene	180	13.792	13.792	0.000	97	471883	5.00	4.86	
152 1,2,4-Trichlorobenzene	180	14.212	14.206	0.006	94	369753	5.00	4.94	
153 Hexachlorobutadiene	225	14.292	14.292	0.000	98	202275	5.00	4.89	
154 Naphthalene	128	14.389	14.389	0.000	98	499812	5.00	5.05	
155 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	96	270200	5.00	4.85	
156 2-Methylnaphthalene	142	15.133	15.127	0.006	92	219650	5.00	5.01	
167 Pentane	43	2.849	2.837	0.012	96	391889	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_Penta_00043	Amount Added: 12.50	Units: uL	
MSV_LCS_VOC#1_00171	Amount Added: 12.50	Units: uL	
LCS_ETBR_00008	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00201	Amount Added: 12.50	Units: uL	
MSV_LCS_ACROL_00174	Amount Added: 12.50	Units: uL	
MSV_LCS_EE_00009	Amount Added: 12.50	Units: uL	
MSV_HP25_ISSS_00084	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 17-Jun-2024 15:07:06

Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X20.D

Injection Date: 15-Jun-2024 01:18:30

Instrument ID: 16334

Operator ID: mec29284

Lims ID: ICV

Worklist Smp#: 21

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

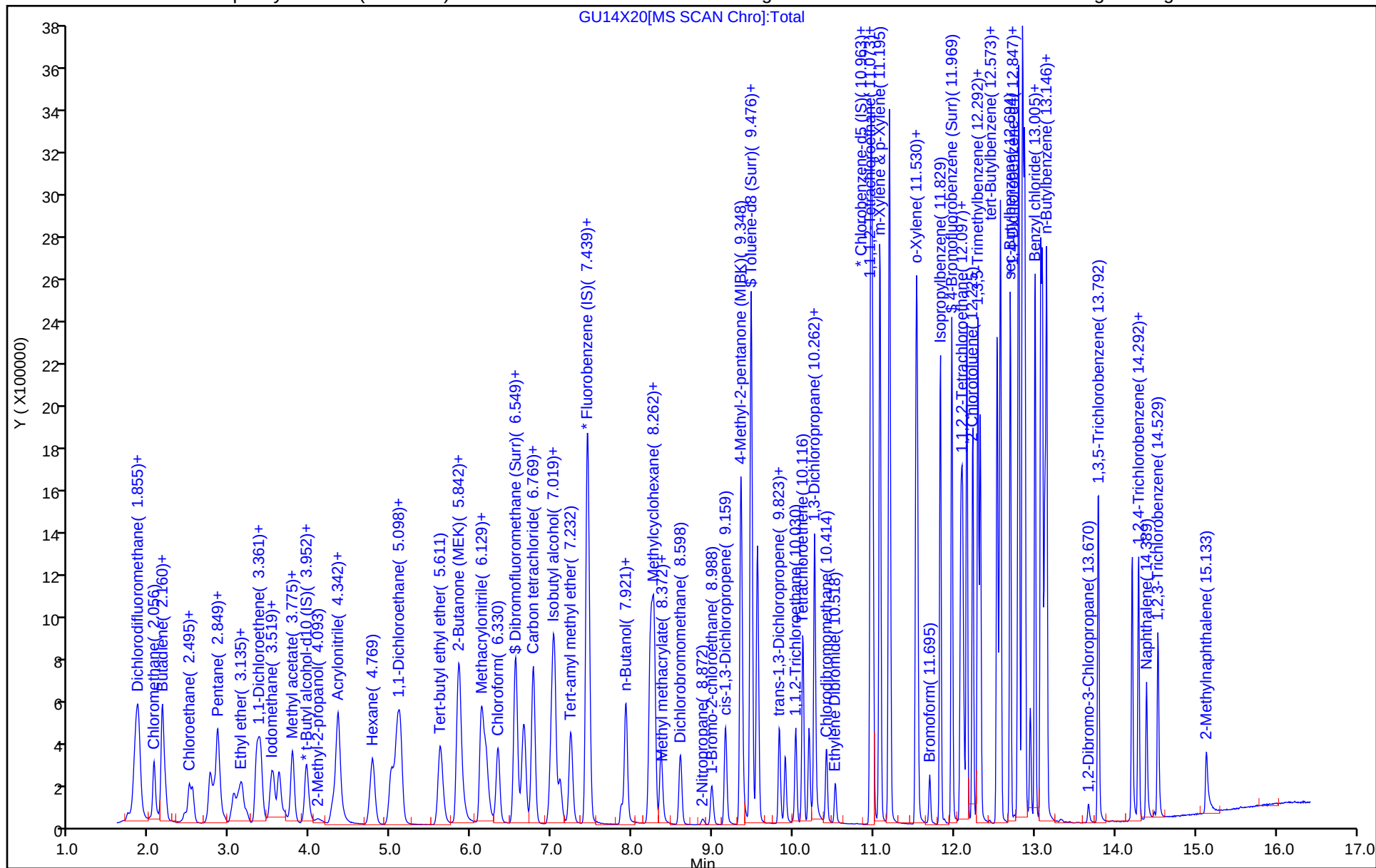
ALS Bottle#: 20

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

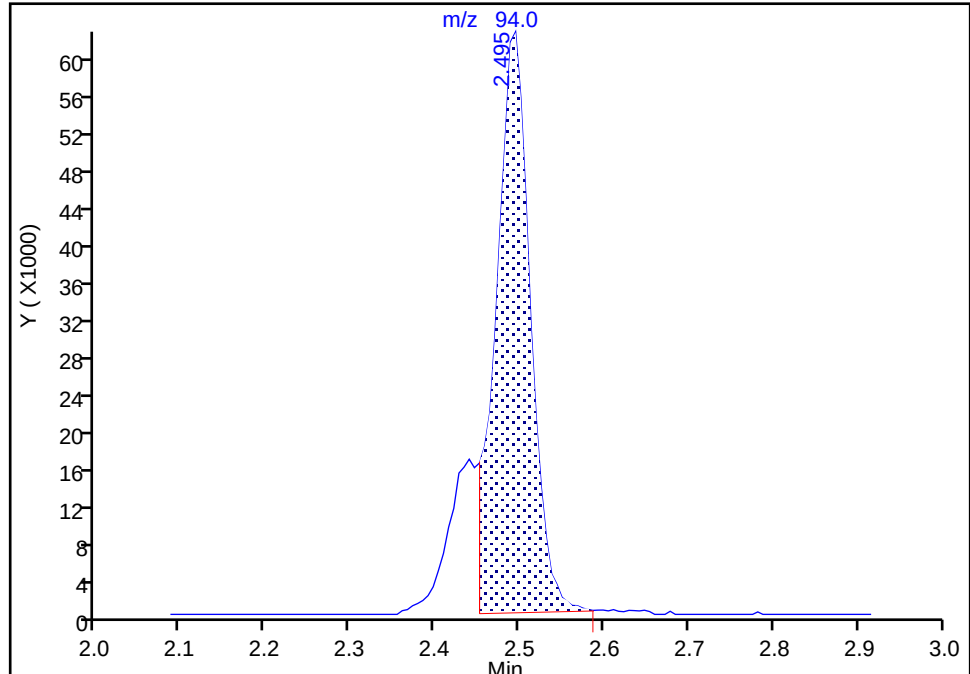
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Injection Date: 15-Jun-2024 01:18:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: mec29284 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

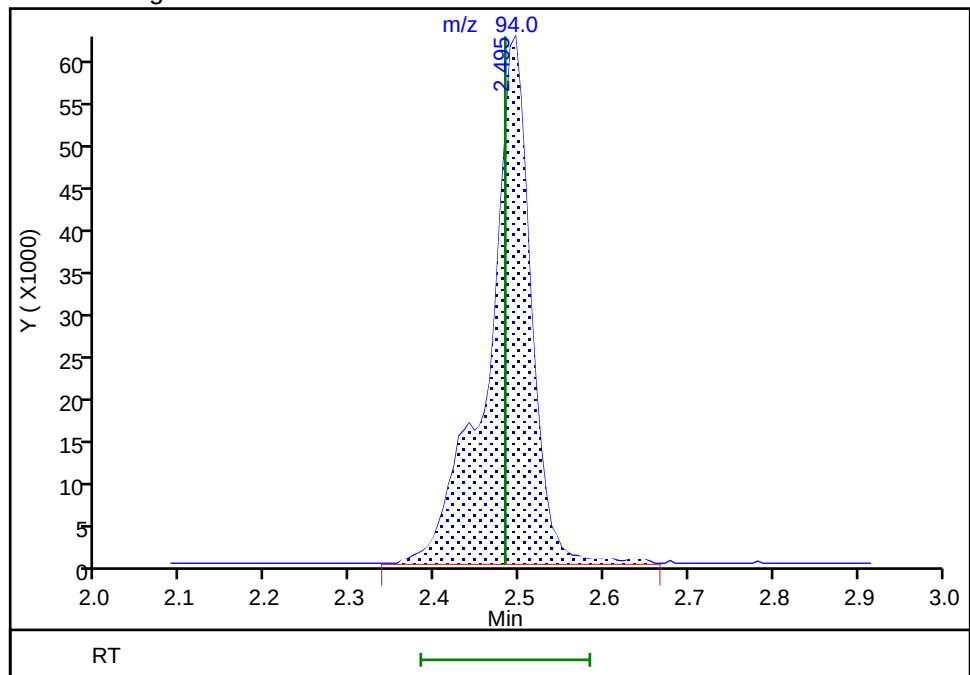
RT: 2.50
Area: 176777
Amount: 3.657329
Amount Units: ug/l

Processing Integration Results



RT: 2.50
Area: 218185
Amount: 4.514017
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 11:57:49 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

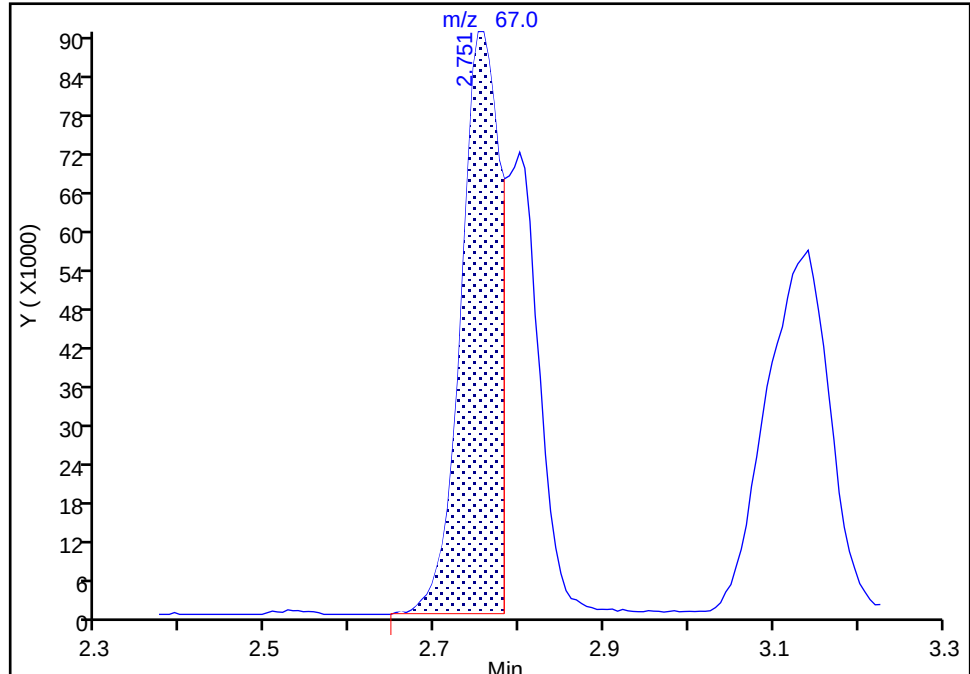
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Injection Date: 15-Jun-2024 01:18:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: mec29284 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

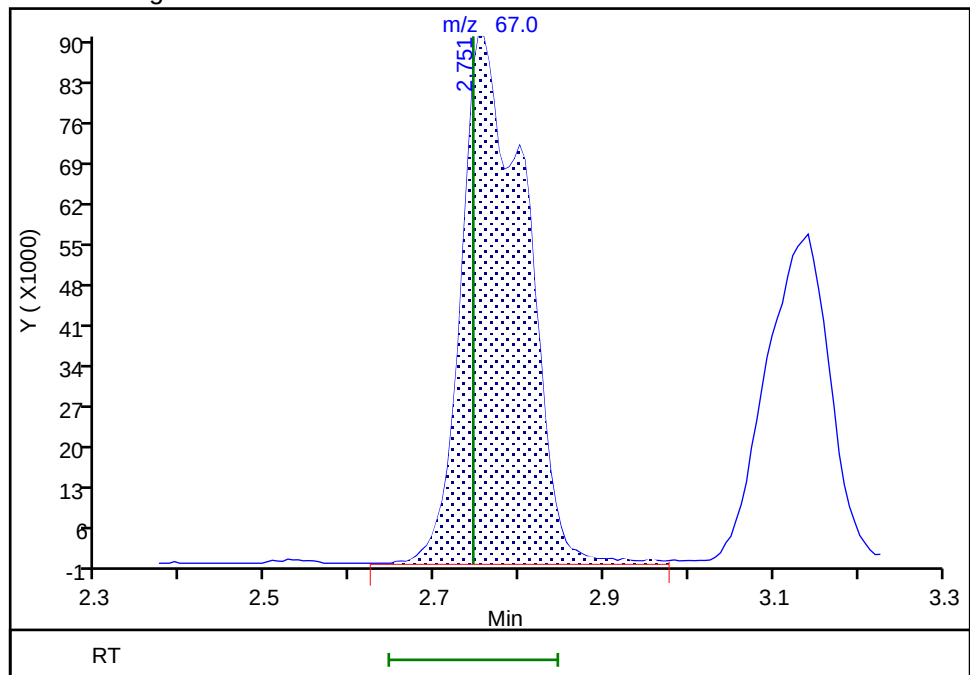
RT: 2.75
Area: 293111
Amount: 2.530332
Amount Units: ug/l

Processing Integration Results



RT: 2.75
Area: 476129
Amount: 4.110267
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 11:58:44 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

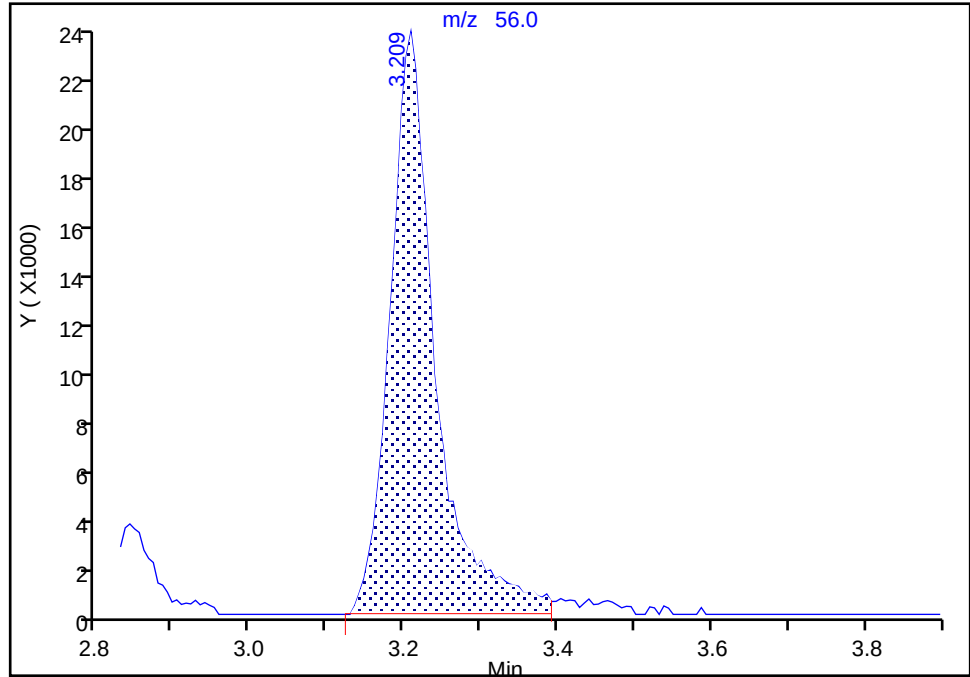
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Injection Date: 15-Jun-2024 01:18:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: mec29284 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

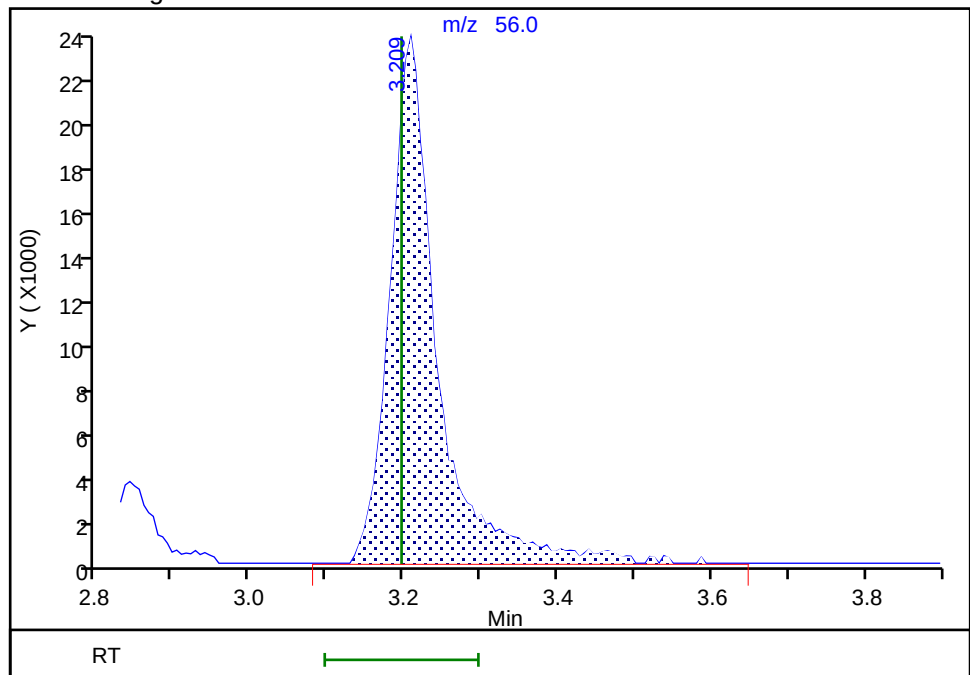
RT: 3.21
Area: 97837
Amount: 25.692058
Amount Units: ug/l

Processing Integration Results



RT: 3.21
Area: 101260
Amount: 26.590940
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 12:04:29 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

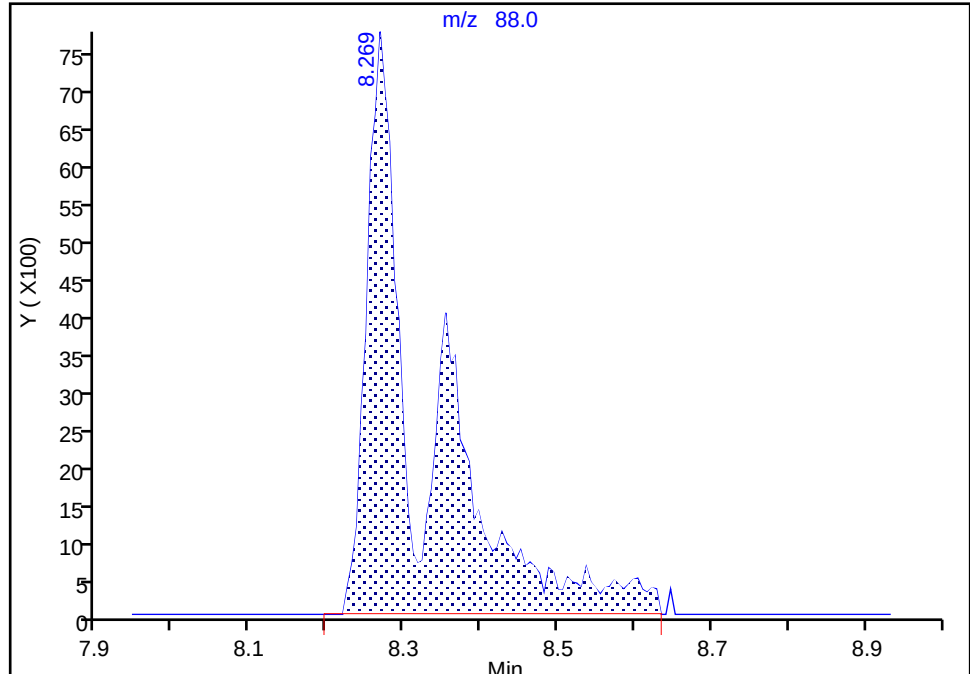
Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X20.D
Injection Date: 15-Jun-2024 01:18:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: mec29284 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

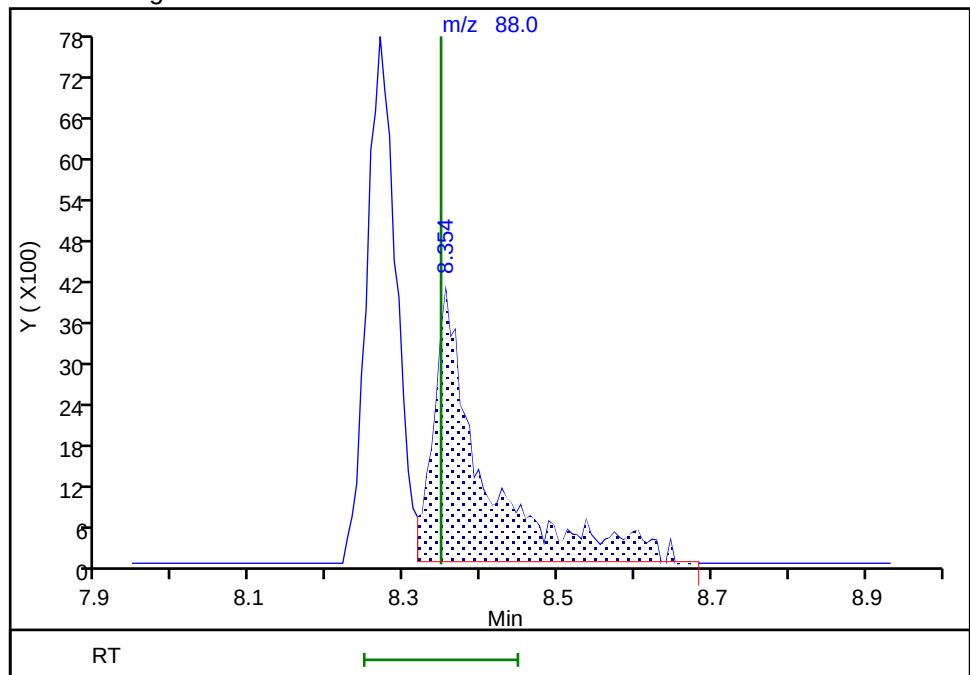
RT: 8.27
Area: 39181
Amount: 295.5053
Amount Units: ug/l

Processing Integration Results



RT: 8.35
Area: 18603
Amount: 146.9876
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 16-Jun-2024 12:02:55 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Wrong peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.: _____

Lab Sample ID: CCVIS 410-526240/3

Calibration Date: 07/09/2024 21:06

Instrument ID: 16334

Calib Start Date: 06/14/2024 22:22

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

Calib End Date: 06/15/2024 00:34

Lab File ID: GL09X32.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	0.3341	0.2489	0.1000	7.45	10.0	-25.5*	20.0
Chloromethane	Ave	0.3941	0.3281	0.1000	8.33	10.0	-16.7	20.0
1,3-Butadiene	Ave	0.3635	0.5056		13.9	10.0	39.1*	20.0
Vinyl chloride	Ave	0.3771	0.2715	0.1000	7.20	10.0	-28.0*	20.0
Bromomethane	Ave	0.2333	0.1841	0.1000	7.89	10.0	-21.1*	20.0
Chloroethane	Ave	0.2158	0.1597	0.1000	7.40	10.0	-26.0*	20.0
Dichlorofluoromethane	Ave	0.5591	0.4498		8.04	10.0	-19.6	20.0
Pentane	None					10.0		20.0
Trichlorofluoromethane	Ave	0.3865	0.3338	0.1000	8.64	10.0	-13.6	20.0
Ethyl ether	Ave	0.1488	0.1481		9.95	10.0	-0.4	20.0
Freon 123a	Ave	0.3165	0.2743		8.67	10.0	-13.3	20.0
Acrolein	Ave	2.216	2.157		488	501	-2.7	20.0
1,1-Dichloroethene	Ave	0.2065	0.1638	0.1000	7.93	10.0	-20.7*	20.0
Acetone	Ave	2.689	2.433	0.1000	90.5	100	-9.5	20.0
Freon 113	Ave	0.2174	0.1763	0.1000	8.11	10.0	-18.9	20.0
Methyl iodide	Ave	0.3717	0.3079		8.28	10.0	-17.2	20.0
Ethyl bromide	Ave	0.1786	0.1623		9.10	10.0	-9.1	20.0
Carbon disulfide	Ave	0.7388	0.5972	0.1000	8.08	10.0	-19.2	20.0
Methyl acetate	Ave	7.321	6.826	0.1000	9.32	10.0	-6.8	20.0
Allyl chloride	Ave	0.3840	0.3277		8.54	10.0	-14.6	20.0
Methylene Chloride	Ave	0.2402	0.2054	0.1000	8.55	10.0	-14.5	20.0
t-Butyl alcohol	Ave	0.8770	0.8468		193	200	-3.4	20.0
Acrylonitrile	Ave	3.972	3.830		24.1	25.0	-3.6	20.0
trans-1,2-Dichloroethene	Ave	0.2487	0.1999	0.1000	8.04	10.0	-19.6	20.0
Methyl tertiary butyl ether	Ave	0.4879	0.4654	0.1000	9.54	10.0	-4.6	20.0
n-Hexane	Ave	0.3325	0.2800		8.42	10.0	-15.8	20.0
1,1-Dichloroethane	Ave	0.4636	0.4056	0.2000	8.75	10.0	-12.5	20.0
di-Isopropyl ether	Ave	0.7909	0.7426		9.39	10.0	-6.1	20.0
2-Chloro-1,3-butadiene	Ave	0.3595	0.3221		8.96	10.0	-10.4	20.0
Ethyl t-butyl ether	Ave	0.6578	0.5961		9.06	10.0	-9.4	20.0
2-Butanone	Ave	4.856	4.314	0.1000	88.8	100	-11.2	20.0
cis-1,2-Dichloroethene	Ave	0.2759	0.2297	0.1000	8.32	10.0	-16.8	20.0
2,2-Dichloropropane	Ave	0.3794	0.3209		8.46	10.0	-15.4	20.0
Propionitrile	Ave	1.336	1.340		201	200	0.3	20.0
Methacrylonitrile	Ave	4.986	4.558		91.4	100	-8.6	20.0
Bromochloromethane	Ave	0.1011	0.0949		9.39	10.0	-6.1	20.0
Tetrahydrofuran	Ave	1.227	1.176		47.9	50.0	-4.1	20.0
Chloroform	Ave	0.4665	0.3801	0.2000	8.15	10.0	-18.5	20.0
1,1,1-Trichloroethane	Ave	0.3765	0.3195	0.1000	8.49	10.0	-15.1	20.0
Cyclohexane	Ave	0.4252	0.3444	0.1000	8.10	10.0	-19.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Lab Sample ID: CCVIS 410-526240/3

Calibration Date: 07/09/2024 21:06

Instrument ID: 16334

Calib Start Date: 06/14/2024 22:22

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

Calib End Date: 06/15/2024 00:34

Lab File ID: GL09X32.D

Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.3492	0.2914		8.34	10.0	-16.6	20.0
Carbon tetrachloride	Ave	0.3205	0.2805	0.1000	8.75	10.0	-12.5	20.0
Isobutyl alcohol	Ave	0.0027	0.0031		572	500	14.3	20.0
Benzene	Ave	1.046	0.9068	0.5000	8.67	10.0	-13.3	20.0
1,2-Dichloroethane	Ave	0.2421	0.2445	0.1000	10.1	10.0	1.0	20.0
t-Amyl methyl ether	Ave	0.5466	0.5340		9.77	10.0	-2.3	20.0
n-Heptane	Ave	0.3808	0.3314		8.70	10.0	-13.0	20.0
n-Butanol	Ave	0.2343	0.2551		953	875	8.9	20.0
Trichloroethene	Ave	0.2684	0.2312	0.2000	8.61	10.0	-13.9	20.0
Methylcyclohexane	Ave	0.4397	0.3729	0.1000	8.48	10.0	-15.2	20.0
1,2-Dichloropropane	Ave	0.2664	0.2478	0.1000	9.30	10.0	-7.0	20.0
1,4-Dioxane	Lin		0.0802	0.0050	510	500	2.0	20.0
Dibromomethane	Ave	0.1039	0.1041		10.0	10.0	0.2	20.0
Methyl methacrylate	Ave	8.653	8.356		9.66	10.0	-3.4	20.0
Bromodichloromethane	Ave	0.2926	0.2777	0.2000	9.49	10.0	-5.1	20.0
2-Nitropropane	Ave	2.792	2.610		46.7	50.0	-6.5	20.0
1-Bromo-2-chloroethane	Ave	0.2136	0.2358		11.0	10.0	10.4	20.0
cis-1,3-Dichloropropene	Ave	0.3562	0.3445	0.2000	9.67	10.0	-3.3	20.0
4-Methyl-2-pentanone	Ave	12.12	11.23	0.1000	92.6	100	-7.4	20.0
Toluene	Ave	0.9246	0.7951	0.4000	8.60	10.0	-14.0	20.0
trans-1,3-Dichloropropene	Ave	0.3880	0.3740	0.1000	9.64	10.0	-3.6	20.0
Ethyl methacrylate	Ave	0.2442	0.2699		11.1	10.0	10.6	20.0
1,1,2-Trichloroethane	Ave	0.2081	0.2022	0.1000	9.72	10.0	-2.8	20.0
Tetrachloroethene	Ave	0.3925	0.3453	0.2000	8.80	10.0	-12.0	20.0
1,3-Dichloropropane	Ave	0.3747	0.3722		9.93	10.0	-0.7	20.0
2-Hexanone	Ave	7.775	7.866	0.1000	101	100	1.2	20.0
Dibromochloromethane	Ave	0.2505	0.2534		10.1	10.0	1.1	20.0
1,2-Dibromoethane	Ave	0.1850	0.1879	0.1000	10.2	10.0	1.6	20.0
1-Chlorohexane	Ave	0.5193	0.4450		8.57	10.0	-14.3	20.0
Chlorobenzene	Ave	1.024	0.9186	0.5000	8.97	10.0	-10.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3380	0.3181		9.41	10.0	-5.9	20.0
Ethylbenzene	Ave	1.784	1.622	0.1000	9.09	10.0	-9.1	20.0
m&p-Xylene	Ave	0.6890	0.6328	0.1000	18.4	20.0	-8.2	20.0
o-Xylene	Ave	0.6689	0.6183	0.3000	9.24	10.0	-7.6	20.0
Styrene	Ave	1.014	0.998	0.3000	9.85	10.0	-1.5	20.0
Bromoform	Ave	0.1339	0.1371	0.1000	10.2	10.0	2.4	20.0
Isopropylbenzene	Ave	1.608	1.492	0.1000	9.28	10.0	-7.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.4542	0.4510	0.3000	9.93	10.0	-0.7	20.0
Bromobenzene	Ave	0.7114	0.6479		9.11	10.0	-8.9	20.0
trans-1,4-Dichloro-2-butene	Ave	4.854	3.235		66.6	100	-33.4*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Lab Sample ID: CCVIS 410-526240/3

Calibration Date: 07/09/2024 21:06

Instrument ID: 16334

Calib Start Date: 06/14/2024 22:22

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

Calib End Date: 06/15/2024 00:34

Lab File ID: GL09X32.D

Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.1141	0.1169		10.2	10.0	2.4	20.0
N-Propylbenzene	Ave	3.918	3.480		8.88	10.0	-11.2	20.0
2-Chlorotoluene	Ave	0.7811	0.6889		8.82	10.0	-11.8	20.0
1,3,5-Trimethylbenzene	Ave	2.723	2.462		9.04	10.0	-9.6	20.0
4-Chlorotoluene	Ave	0.8040	0.7273		9.05	10.0	-9.5	20.0
tert-Butylbenzene	Ave	0.6122	0.5532		9.04	10.0	-9.6	20.0
Pentachloroethane	Ave	0.4206	0.4179		9.94	10.0	-0.6	20.0
1,2,4-Trimethylbenzene	Ave	2.773	2.589		9.34	10.0	-6.6	20.0
sec-Butylbenzene	Ave	3.552	3.218		9.06	10.0	-9.4	20.0
1,3-Dichlorobenzene	Ave	1.511	1.382	0.6000	9.15	10.0	-8.5	20.0
p-Isopropyltoluene	Ave	3.013	2.792		9.27	10.0	-7.3	20.0
1,4-Dichlorobenzene	Ave	1.603	1.405	0.5000	8.77	10.0	-12.3	20.0
1,2,3-Trimethylbenzene	Ave	1.251	1.113		8.90	10.0	-11.0	20.0
Benzyl chloride	Ave	0.1667	0.1830		11.0	10.0	9.7	20.0
n-Butylbenzene	Ave	1.587	1.452		9.15	10.0	-8.5	20.0
1,2-Dichlorobenzene	Ave	1.339	1.237	0.4000	9.24	10.0	-7.6	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0500	0.0504	0.0500	10.1	10.0	0.8	20.0
1,3,5-Trichlorobenzene	Ave	1.195	1.070		8.96	10.0	-10.4	20.0
1,2,4-Trichlorobenzene	Ave	0.9205	0.7606	0.2000	8.26	10.0	-17.4	20.0
Hexachlorobutadiene	Ave	0.5092	0.4397		8.63	10.0	-13.7	20.0
Naphthalene	Ave	1.219	0.9938		8.15	10.0	-18.5	20.0
1,2,3-Trichlorobenzene	Ave	0.6864	0.5344		7.79	10.0	-22.1*	20.0
Dibromofluoromethane (Surr)	Ave	0.2303	0.2290		9.94	10.0	-0.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0440	0.0455		10.3	10.0	3.3	20.0
Toluene-d8 (Surr)	Ave	1.374	1.376		10.0	10.0	0.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4923	0.5033		10.2	10.0	2.2	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X32.D
 Lims ID: CCVIS VSTD10
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 09-Jul-2024 21:06:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118882-003
 Misc. Info.: CCVIS VSTD10
 Operator ID: gaw91131 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 22:39:59 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1611

First Level Reviewer: JS6E

Date: 09-Jul-2024 21:53:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.855	1.855	0.000	100	498913	10.0	7.45	
5 Chloromethane	50	2.050	2.050	0.000	99	657815	10.0	8.33	
7 Butadiene	39	2.142	2.142	0.000	93	1013597	10.0	13.9	M
6 Vinyl chloride	62	2.154	2.154	0.000	98	544190	10.0	7.20	
9 Bromomethane	94	2.489	2.489	0.000	91	369149	10.0	7.89	
10 Chloroethane	64	2.532	2.532	0.000	100	320121	10.0	7.40	
11 Dichlorofluoromethane	67	2.794	2.794	0.000	97	901644	10.0	8.04	
12 Trichlorofluoromethane	101	2.849	2.849	0.000	99	669234	10.0	8.64	
13 Ethyl ether	59	3.032	3.032	0.000	93	296953	10.0	9.95	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.135	3.135	0.000	94	549881	10.0	8.67	
17 Acrolein	56	3.190	3.190	0.000	100	2281522	501.1	487.7	
18 1,1-Dichloroethene	96	3.318	3.318	0.000	96	328294	10.0	7.93	
19 Acetone	43	3.355	3.355	0.000	100	513515	100.0	90.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.373	3.373	0.000	94	353460	10.0	8.11	
22 Iodomethane	142	3.501	3.501	0.000	100	617156	10.0	8.28	
23 Ethyl bromide	108	3.525	3.525	0.000	99	325927	10.0	9.10	
21 Isopropyl alcohol	45	3.525	3.525	0.000	55	186352	200.0	226.2	
24 Carbon disulfide	76	3.599	3.599	0.000	99	1197205	10.0	8.08	M
25 Methyl acetate	43	3.751	3.751	0.000	96	144104	10.0	9.32	
27 3-Chloro-1-propene	41	3.763	3.763	0.000	91	657042	10.0	8.54	
29 Methylene Chloride	84	3.940	3.940	0.000	95	411678	10.0	8.55	
* 30 t-Butyl alcohol-d10 (IS)	65	3.964	3.964	0.000	96	105552	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.080	4.080	0.000	99	357535	200.0	193.1	
32 Acrylonitrile	53	4.269	4.269	0.000	99	202143	25.0	24.1	
34 trans-1,2-Dichloroethene	96	4.324	4.324	0.000	96	400671	10.0	8.04	
33 Methyl tert-butyl ether	73	4.330	4.330	0.000	86	933079	10.0	9.54	
35 Hexane	57	4.757	4.757	0.000	94	561249	10.0	8.42	
37 1,1-Dichloroethane	63	4.989	4.989	0.000	96	813142	10.0	8.75	
38 Isopropyl ether	45	5.068	5.068	0.000	94	1488770	10.0	9.39	
39 2-Chloro-1,3-butadiene	53	5.098	5.098	0.000	92	645644	10.0	8.96	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.604	5.604	0.000	99	1195088	10.0	9.06	
41 2-Butanone (MEK)	43	5.824	5.824	0.000	100	910724	100.0	88.8	
42 cis-1,2-Dichloroethene	96	5.836	5.836	0.000	83	460423	10.0	8.32	
43 2,2-Dichloropropane	77	5.842	5.842	0.000	86	643406	10.0	8.46	
45 Propionitrile	54	5.909	5.909	0.000	99	565887	200.0	200.6	
48 Methacrylonitrile	67	6.116	6.116	0.000	92	962171	100.0	91.4	
49 Chlorobromomethane	128	6.165	6.165	0.000	94	190259	10.0	9.39	
50 Tetrahydrofuran	71	6.196	6.196	0.000	82	124105	50.0	47.9	
51 Chloroform	83	6.318	6.318	0.000	94	761922	10.0	8.15	
\$ 52 Dibromofluoromethane (Surr)	113	6.531	6.531	0.000	93	459021	10.0	9.94	
53 1,1,1-Trichloroethane	97	6.543	6.543	0.000	98	640501	10.0	8.49	
54 Cyclohexane	56	6.641	6.641	0.000	91	690331	10.0	8.10	
55 Carbon tetrachloride	117	6.757	6.757	0.000	97	562357	10.0	8.75	
56 1,1-Dichloropropene	75	6.757	6.757	0.000	96	584237	10.0	8.34	
58 Isobutyl alcohol	41	6.958	6.958	0.000	93	308540	500.0	571.6	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.988	6.988	0.000	92	91153	10.0	10.3	
60 Benzene	78	7.019	7.019	0.000	97	1817809	10.0	8.67	
61 1,2-Dichloroethane	62	7.092	7.092	0.000	97	490148	10.0	10.1	
63 Tert-amyl methyl ether	73	7.226	7.226	0.000	99	1070462	10.0	9.77	
* 64 Fluorobenzene (IS)	96	7.427	7.427	0.000	97	2004729	10.0	10.0	
65 n-Heptane	43	7.445	7.445	0.000	93	664288	10.0	8.70	
67 n-Butanol	56	7.848	7.848	0.000	89	471154	875.0	952.7	
68 Trichloroethene	95	7.915	7.915	0.000	98	463549	10.0	8.61	
69 Methylcyclohexane	83	8.214	8.214	0.000	93	747475	10.0	8.48	
70 1,2-Dichloropropane	63	8.238	8.238	0.000	96	496760	10.0	9.30	
71 2-ethoxy-2-methyl butane	87	8.268	8.268	0.000	92	730916	10.0	9.66	
73 1,4-Dioxane	88	8.348	8.348	0.000	38	84613	500.0	509.8	M
72 Methyl methacrylate	69	8.348	8.348	0.000	92	176396	10.0	9.66	
74 Dibromomethane	93	8.348	8.348	0.000	96	208699	10.0	10.0	
76 Dichlorobromomethane	83	8.592	8.592	0.000	99	556795	10.0	9.49	
77 2-Nitropropane	41	8.866	8.866	0.000	99	275537	50.0	46.7	
79 1-Bromo-2-chloroethane	63	8.982	8.982	0.000	99	472705	10.0	11.0	
81 cis-1,3-Dichloropropene	75	9.152	9.152	0.000	95	690603	10.0	9.67	
82 4-Methyl-2-pentanone (MIBK)	43	9.341	9.341	0.000	97	2369729	100.0	92.6	
\$ 83 Toluene-d8 (Surr)	98	9.469	9.469	0.000	94	1965882	10.0	10.0	
84 Toluene	92	9.549	9.549	0.000	98	1135973	10.0	8.60	
85 trans-1,3-Dichloropropene	75	9.823	9.823	0.000	93	534330	10.0	9.64	
86 Ethyl methacrylate	69	9.896	9.896	0.000	89	385633	10.0	11.1	
107 1,1,2-Trichloroethane	97	10.024	10.024	0.000	91	288911	10.0	9.72	
108 Tetrachloroethene	166	10.116	10.116	0.000	96	493252	10.0	8.80	
109 1,3-Dichloropropane	76	10.189	10.189	0.000	91	531741	10.0	9.93	
110 2-Hexanone	43	10.256	10.256	0.000	98	1660533	100.0	101.2	
112 Chlorodibromomethane	129	10.408	10.408	0.000	90	362018	10.0	10.1	
113 Ethylene Dibromide	107	10.518	10.518	0.000	99	268380	10.0	10.2	
* 114 Chlorobenzene-d5 (IS)	117	10.957	10.957	0.000	88	1428641	10.0	10.0	
115 1-Chlorohexane	91	10.975	10.975	0.000	97	635790	10.0	8.57	
116 Chlorobenzene	112	10.987	10.987	0.000	93	1312367	10.0	8.97	
117 1,1,1,2-Tetrachloroethane	131	11.067	11.067	0.000	96	454489	10.0	9.41	
118 Ethylbenzene	91	11.073	11.073	0.000	99	2316613	10.0	9.09	
120 m-Xylene & p-Xylene	106	11.195	11.195	0.000	100	1808017	20.0	18.4	
121 o-Xylene	106	11.524	11.524	0.000	97	883269	10.0	9.24	
122 Styrene	104	11.536	11.536	0.000	95	1425939	10.0	9.85	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Bromoform	173	11.695	11.695	0.000	95	195803	10.0	10.2	
124 Isopropylbenzene	105	11.823	11.823	0.000	96	2132045	10.0	9.28	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	88	719012	10.0	10.2	
128 1,1,2,2-Tetrachloroethane	83	12.073	12.073	0.000	93	365099	10.0	9.93	
129 Bromobenzene	156	12.085	12.085	0.000	97	524456	10.0	9.11	
130 trans-1,4-Dichloro-2-butene	53	12.097	12.097	0.000	93	682989	100.0	66.6	
131 1,2,3-Trichloropropane	110	12.115	12.115	0.000	79	94638	10.0	10.2	
132 N-Propylbenzene	91	12.152	12.152	0.000	99	2817015	10.0	8.88	
133 2-Chlorotoluene	126	12.231	12.231	0.000	96	557621	10.0	8.82	
134 1,3,5-Trimethylbenzene	105	12.292	12.292	0.000	93	1992776	10.0	9.04	
135 4-Chlorotoluene	126	12.323	12.323	0.000	98	588754	10.0	9.05	
136 tert-Butylbenzene	134	12.530	12.530	0.000	93	447805	10.0	9.04	
137 Pentachloroethane	167	12.560	12.560	0.000	93	338307	10.0	9.94	
138 1,2,4-Trimethylbenzene	105	12.573	12.573	0.000	97	2095990	10.0	9.34	
139 sec-Butylbenzene	105	12.694	12.694	0.000	95	2605004	10.0	9.06	
140 1,3-Dichlorobenzene	146	12.792	12.792	0.000	98	1118939	10.0	9.15	
141 4-Isopropyltoluene	119	12.804	12.804	0.000	97	2260092	10.0	9.27	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	95	809455	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.865	12.865	0.000	94	1137432	10.0	8.77	
144 1,2,3-Trimethylbenzene	120	12.877	12.877	0.000	98	901325	10.0	8.90	
145 Benzyl chloride	126	12.944	12.944	0.000	99	148108	10.0	11.0	
146 p-Diethylbenzene	119	13.005	13.005	0.000	91	1311484	10.0	9.14	
147 n-Butylbenzene	92	13.091	13.091	0.000	96	1175376	10.0	9.15	
148 1,2-Dichlorobenzene	146	13.121	13.121	0.000	98	1001336	10.0	9.24	
150 1,2-Dibromo-3-Chloropropane	155	13.664	13.664	0.000	83	40792	10.0	10.1	
151 1,3,5-Trichlorobenzene	180	13.792	13.792	0.000	98	866007	10.0	8.96	
152 1,2,4-Trichlorobenzene	180	14.206	14.206	0.000	94	615647	10.0	8.26	
153 Hexachlorobutadiene	225	14.292	14.292	0.000	96	355907	10.0	8.63	
154 Naphthalene	128	14.383	14.383	0.000	97	804434	10.0	8.15	
155 1,2,3-Trichlorobenzene	180	14.529	14.529	0.000	96	432598	10.0	7.79	
156 2-Methylnaphthalene	142	15.133	15.133	0.000	92	310802	10.0	7.11	
167 Pentane	43	2.837	2.837	0.000	97	488909	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00135

Amount Added: 20.00

Units: uL

MSV_LL_#2_826_00143

Amount Added: 20.00

Units: uL

MSV_LL_GAS826_00218

Amount Added: 20.00

Units: uL

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 09-Jul-2024 22:39:59

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X32.D

Injection Date: 09-Jul-2024 21:06:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: CCVIS VSTD10

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

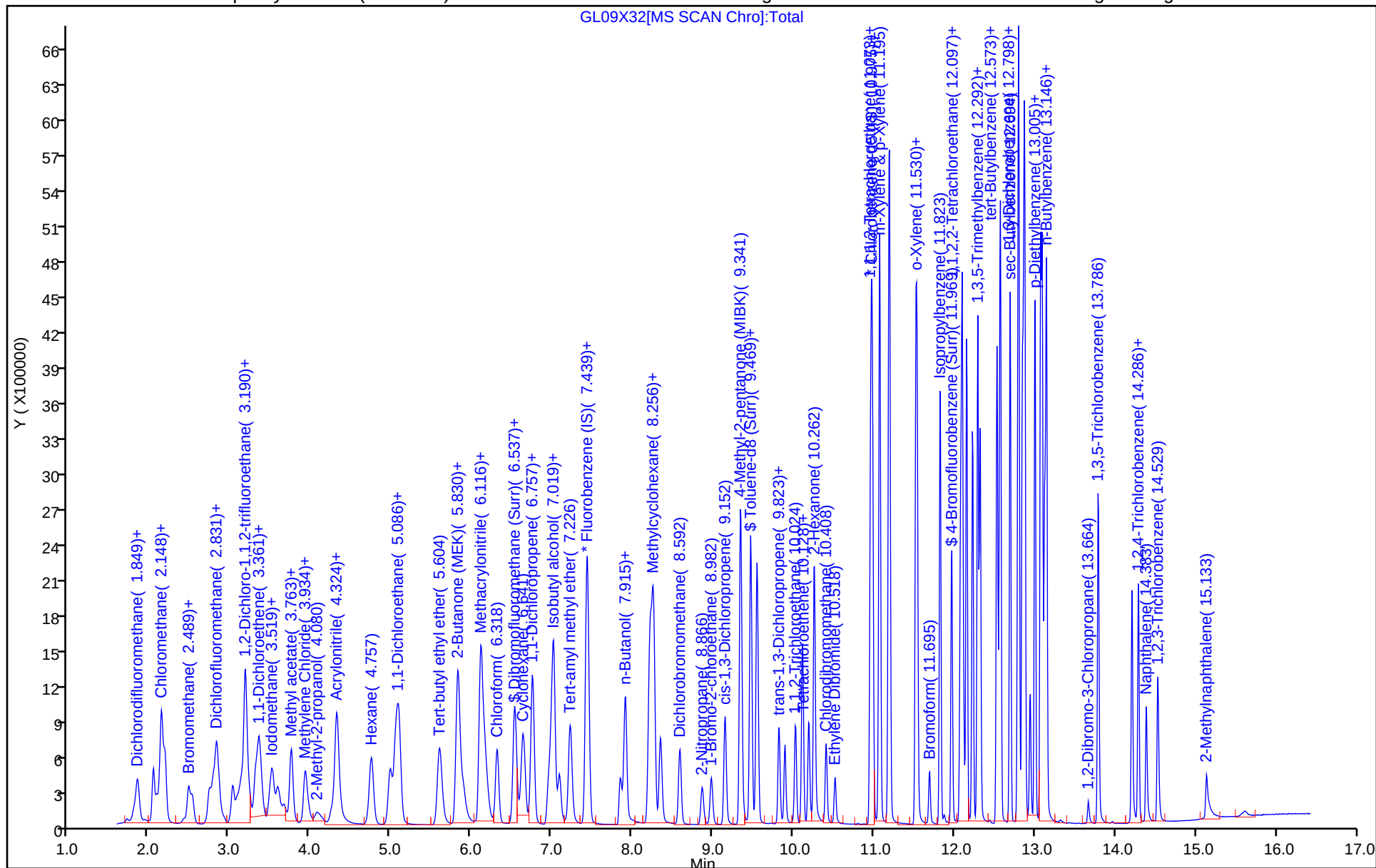
ALS Bottle#: 2

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

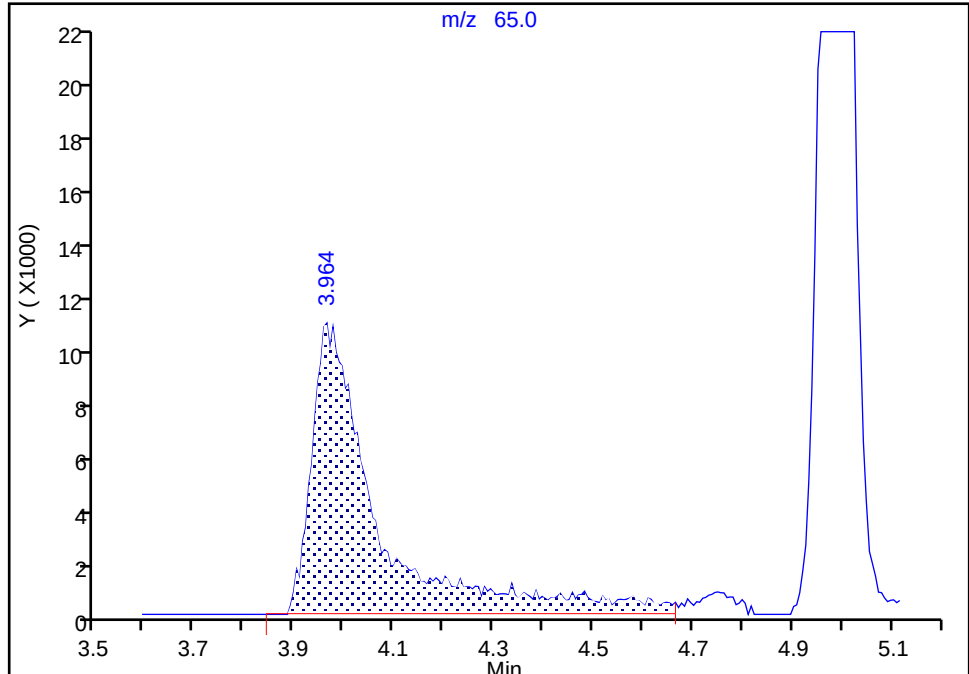
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Injection Date: 09-Jul-2024 21:06:30 Instrument ID: 16334
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

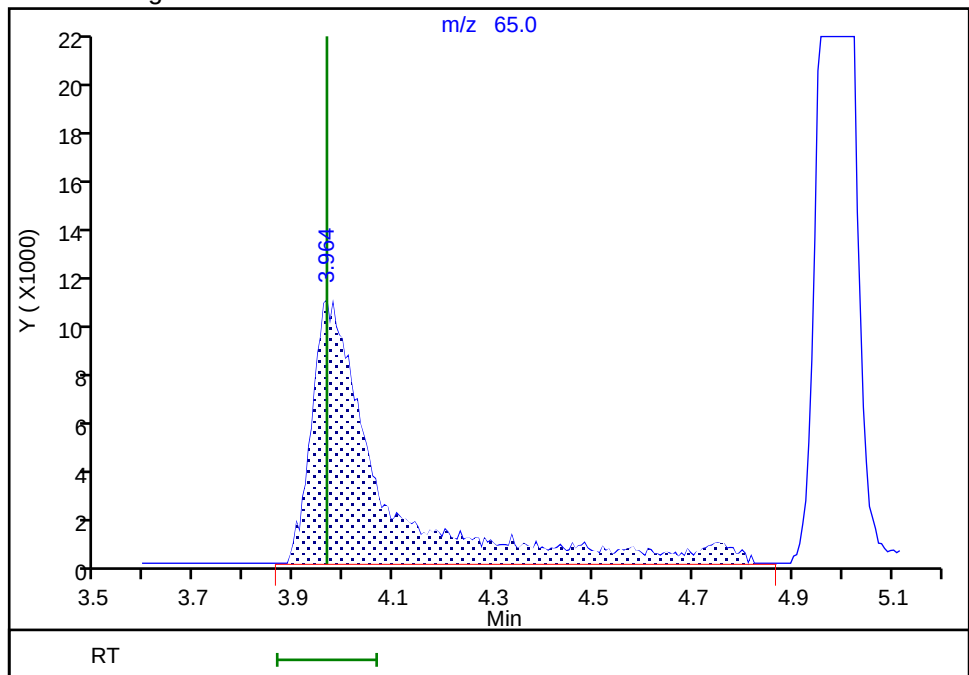
RT: 3.96
Area: 100680
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.96
Area: 105552
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 09-Jul-2024 21:51:31 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

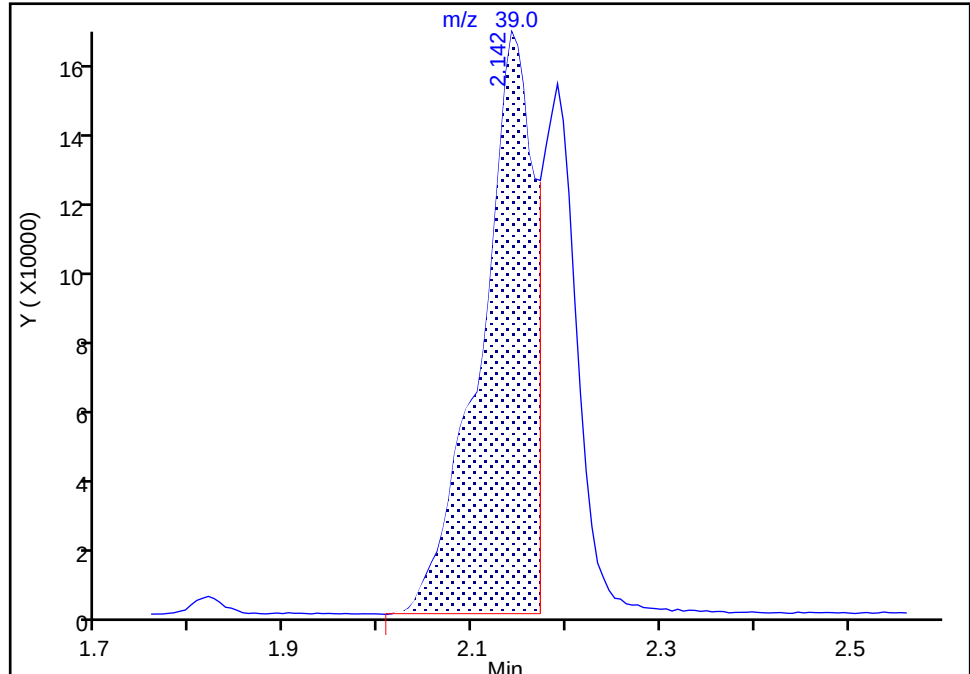
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Injection Date: 09-Jul-2024 21:06:30 Instrument ID: 16334
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

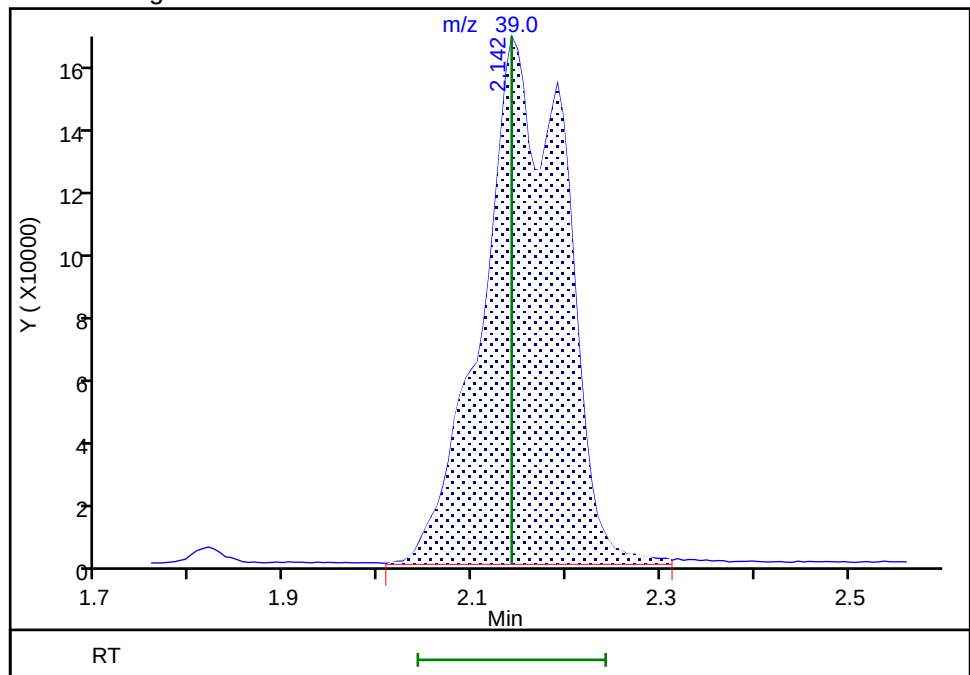
RT: 2.14
Area: 662241
Amount: 9.087162
Amount Units: ug/l

Processing Integration Results



RT: 2.14
Area: 1013597
Amount: 13.908412
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 09-Jul-2024 21:51:02 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

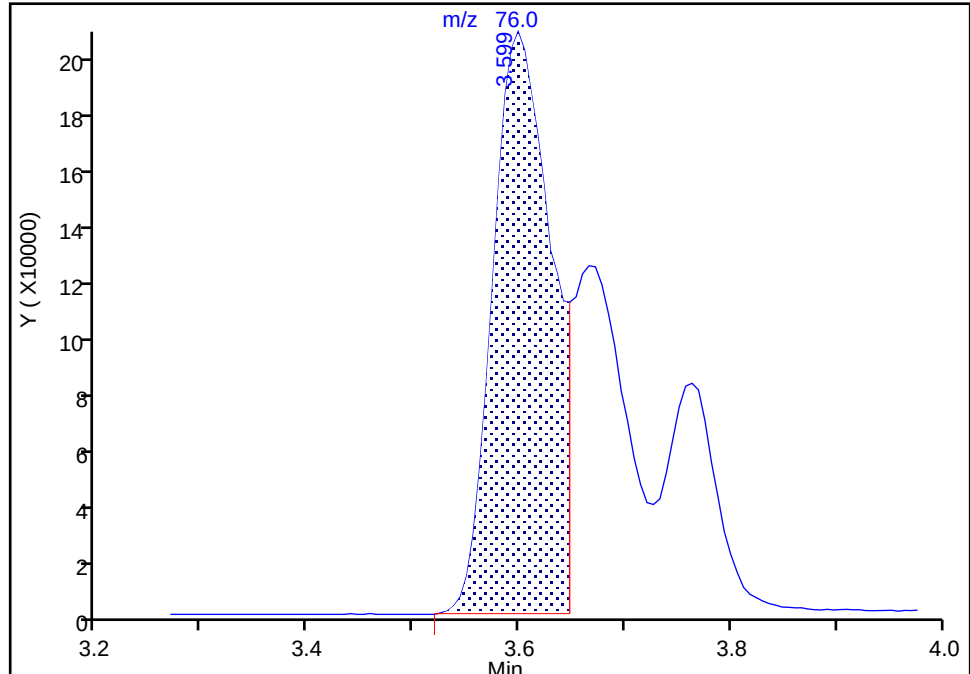
Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X32.D
Injection Date: 09-Jul-2024 21:06:30 Instrument ID: 16334
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

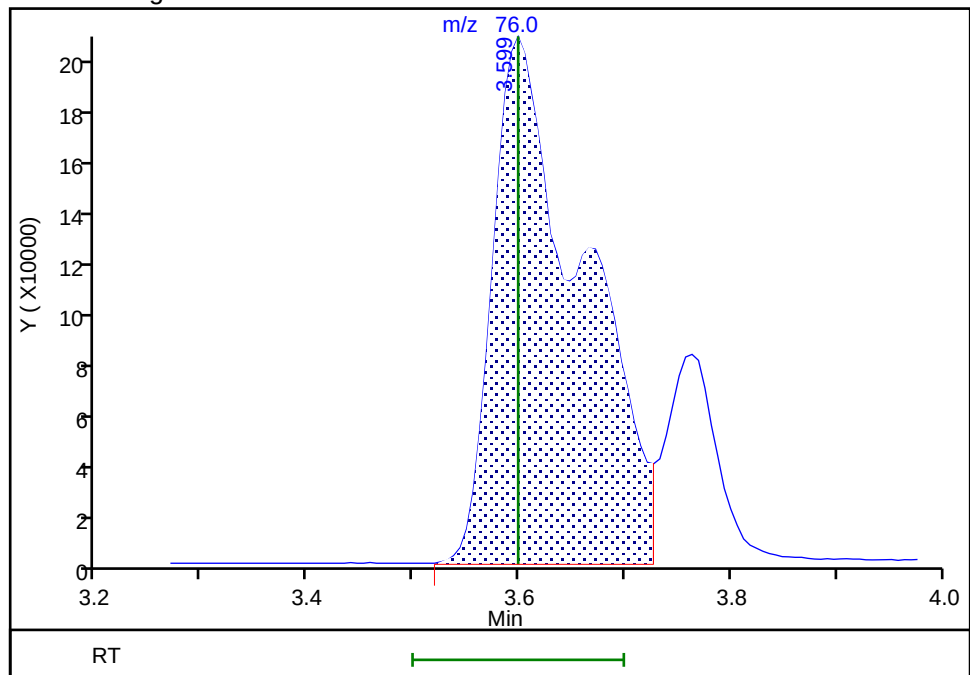
RT: 3.60
Area: 794872
Amount: 5.366978
Amount Units: ug/l

Processing Integration Results



RT: 3.60
Area: 1197205
Amount: 8.083531
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 09-Jul-2024 21:51:21 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

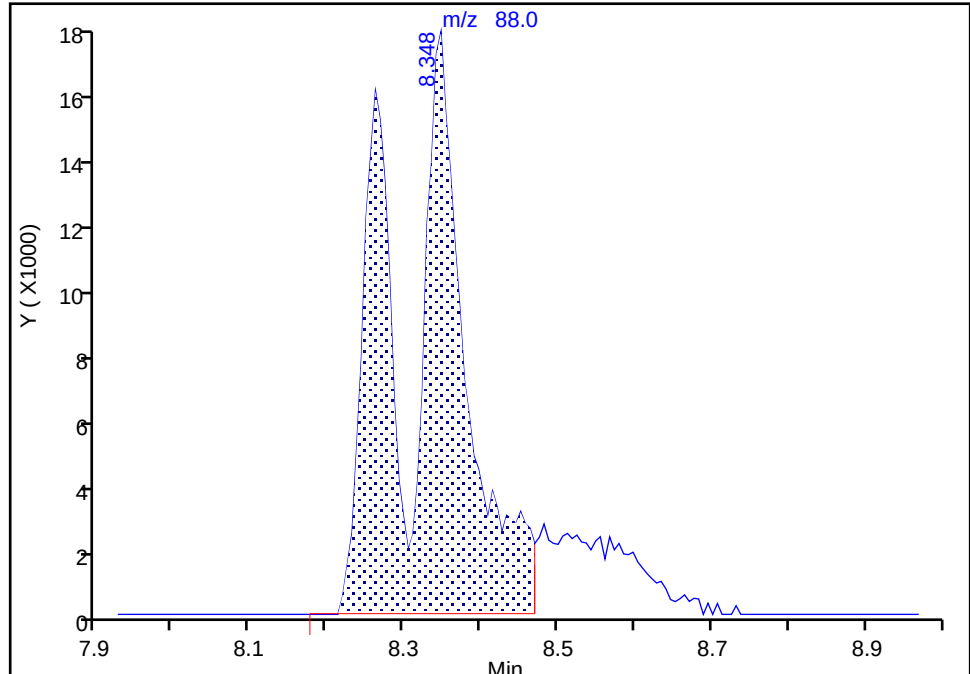
Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X32.D
Injection Date: 09-Jul-2024 21:06:30 Instrument ID: 16334
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

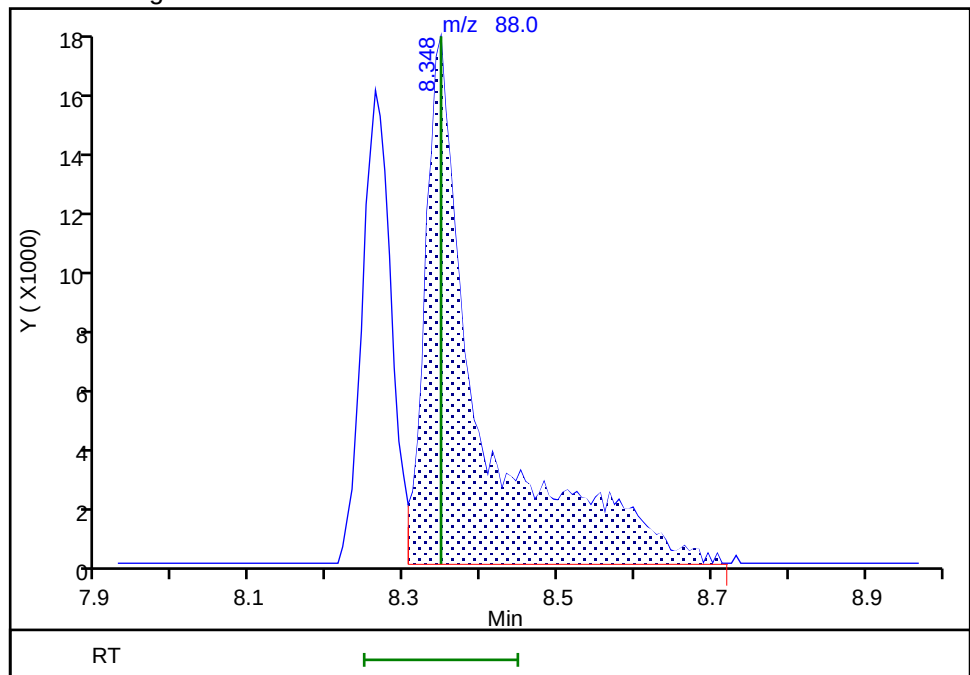
RT: 8.35
Area: 103669
Amount: 621.7443
Amount Units: ug/l

Processing Integration Results



RT: 8.35
Area: 84613
Amount: 509.7967
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 09-Jul-2024 21:52:18 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 14-Jun-2024 17:48:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0116724-001
Misc. Info.: BFB
Operator ID: MEC29284 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 16-Jun-2024 14:14:59 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1663

First Level Reviewer: K4WN

Date: 14-Jun-2024 18:15:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 168 BFB	95	5.018	5.018	0.000	95	452835	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_V_BFB_00017

Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14T01.D

Injection Date: 14-Jun-2024 17:48:30

Instrument ID: 10193

Lims ID: BFB

Client ID:

Operator ID: MEC29284

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

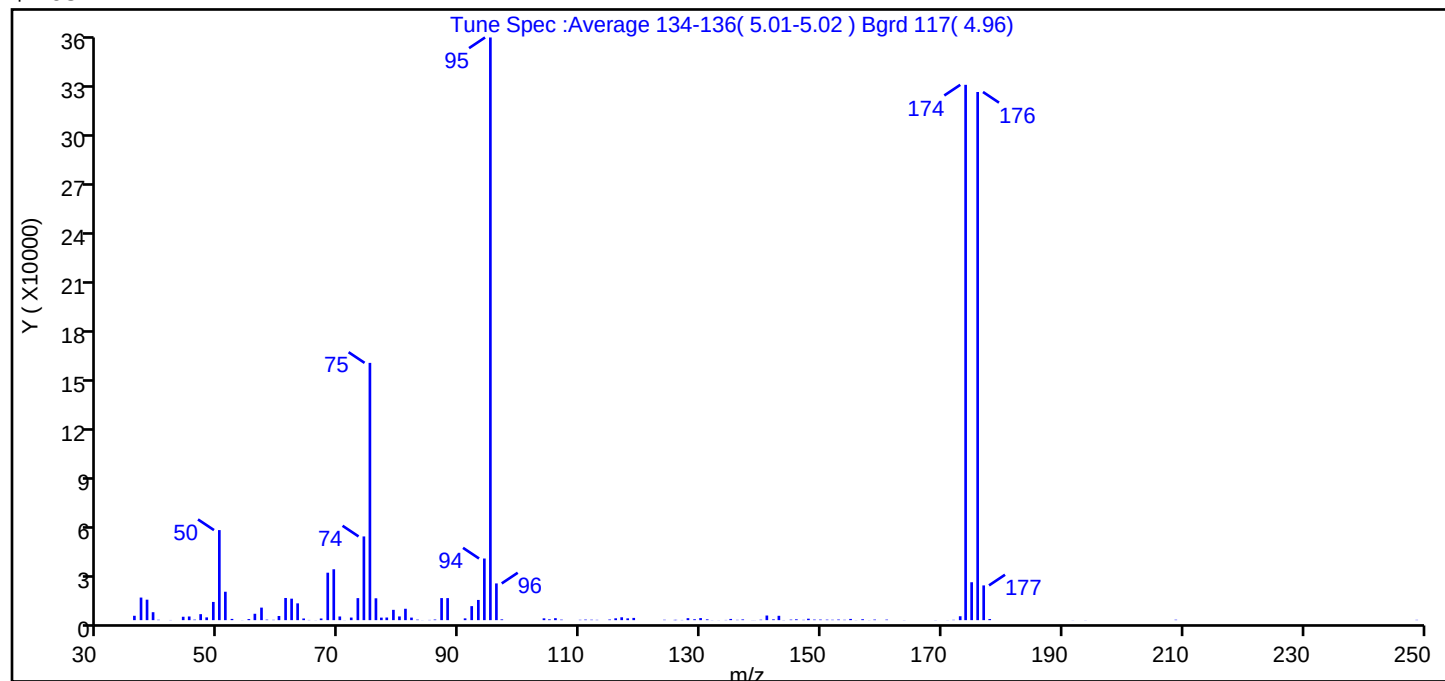
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

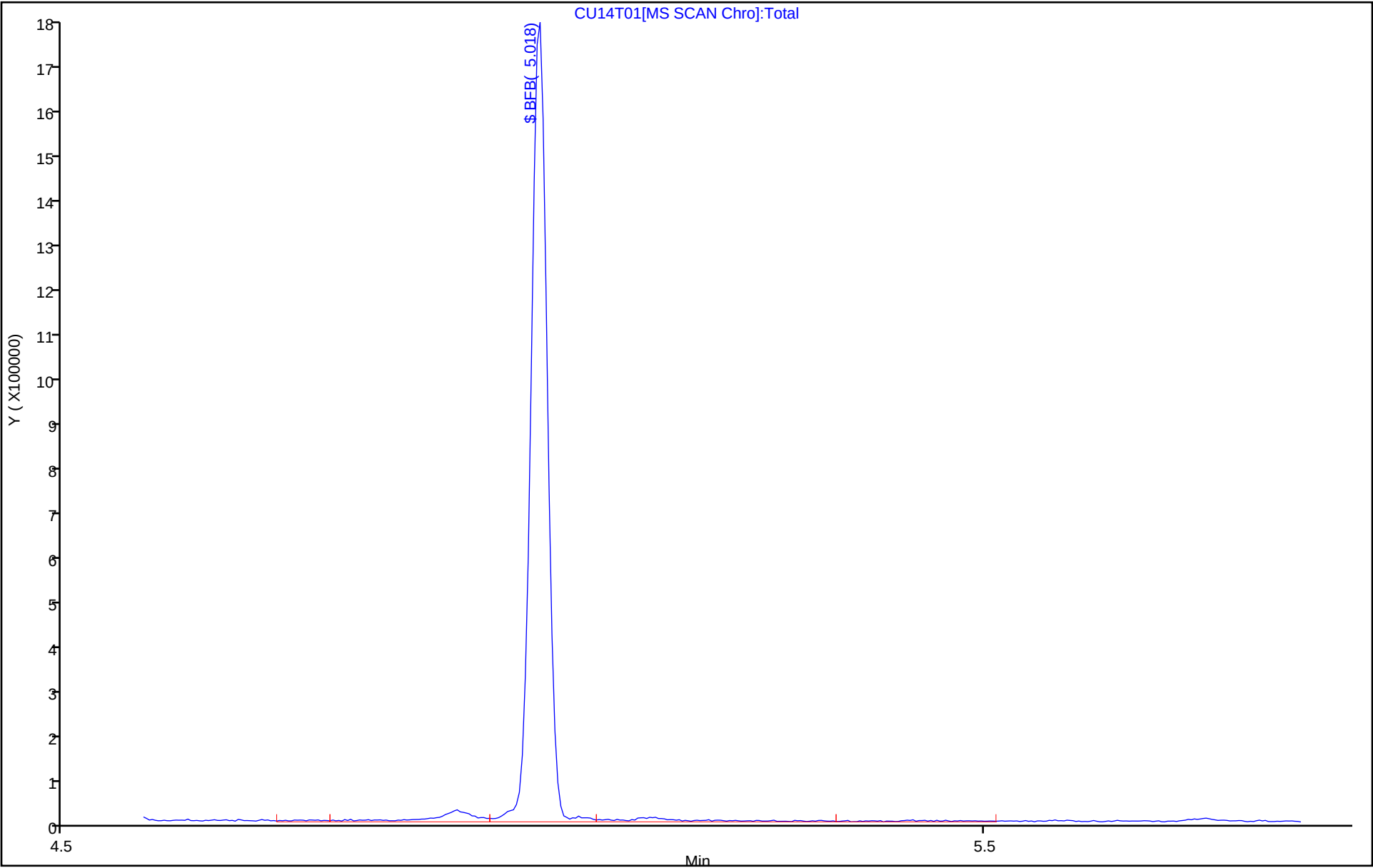
\$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.5
75	30 to 60% of m/z 95	44.2
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.7 (0.7)
174	50 to 120% of m/z 95	91.9
175	5 to 9% of m/z 174	6.5 (7.1)
176	Greater than 95% but less than 101% of m/z 174	90.6 (98.7)
177	5 to 9% of m/z 176	6.0 (6.6)

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14T01.D\MSV_10193_25mL.rsl\spectra.d
Injection Date: 14-Jun-2024 17:48:30
Spectrum: Tune Spec :Average 134-136(5.01-5.02) Bgrd 117(4.96)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 121

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2652	70.00	2236	111.00	334	147.00	182
37.00	13710	71.00	50	112.00	262	148.00	878
38.00	12428	72.00	1565	113.00	190	149.00	346
39.00	4820	73.00	13372	115.00	391	150.00	353
40.00	228	74.00	50808	116.00	1112	151.00	309
42.00	102	75.00	156160	117.00	1733	152.00	233
44.00	2063	76.00	13267	118.00	1080	153.00	374
45.00	2224	77.00	1536	119.00	1364	154.00	221
46.00	308	78.00	1593	124.00	230	155.00	741
47.00	3638	79.00	6257	126.00	150	156.00	58
48.00	1673	80.00	2253	126.00	189	157.00	544
49.00	11053	81.00	6913	127.00	113	158.00	51
50.00	54656	82.00	1548	128.00	1195	159.00	350
51.00	17240	83.00	312	129.00	553	161.00	324
52.00	751	84.00	52	130.00	1250	164.00	70
54.00	57	85.00	140	131.00	485	169.00	75
55.00	646	86.00	371	132.00	72	171.00	58
56.00	3870	87.00	13390	133.00	51	172.00	194
57.00	7613	88.00	13379	134.00	124	173.00	2368
58.00	317	91.00	1078	135.00	739	174.00	324928
59.00	202	92.00	8507	136.00	183	175.00	23008
60.00	2519	93.00	12261	137.00	440	176.00	320576
61.00	13452	94.00	37408	138.00	56	177.00	21088
62.00	13038	95.00	353664	139.00	53	178.00	671
63.00	10193	96.00	22288	140.00	268	192.00	50
64.00	1000	97.00	466	141.00	2808	194.00	57
65.00	120	104.00	1098	142.00	486	209.00	256
66.00	56	105.00	497	143.00	2635	249.00	178
67.00	999	106.00	1195	144.00	91		
68.00	28800	107.00	300	145.00	324		
69.00	30888	110.00	207	146.00	507		



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\CL02T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 02-Jul-2024 10:21:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0118306-001
Misc. Info.: BFB
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 02-Jul-2024 14:16:51 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1629

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 168 BFB	95	5.015	5.015	0.000	92	490214	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_V_BFB_00017

Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\CL02T01.D

Injection Date: 02-Jul-2024 10:21:30

Instrument ID: 10193

Lims ID: BFB

Client ID:

Operator ID: knk41612

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

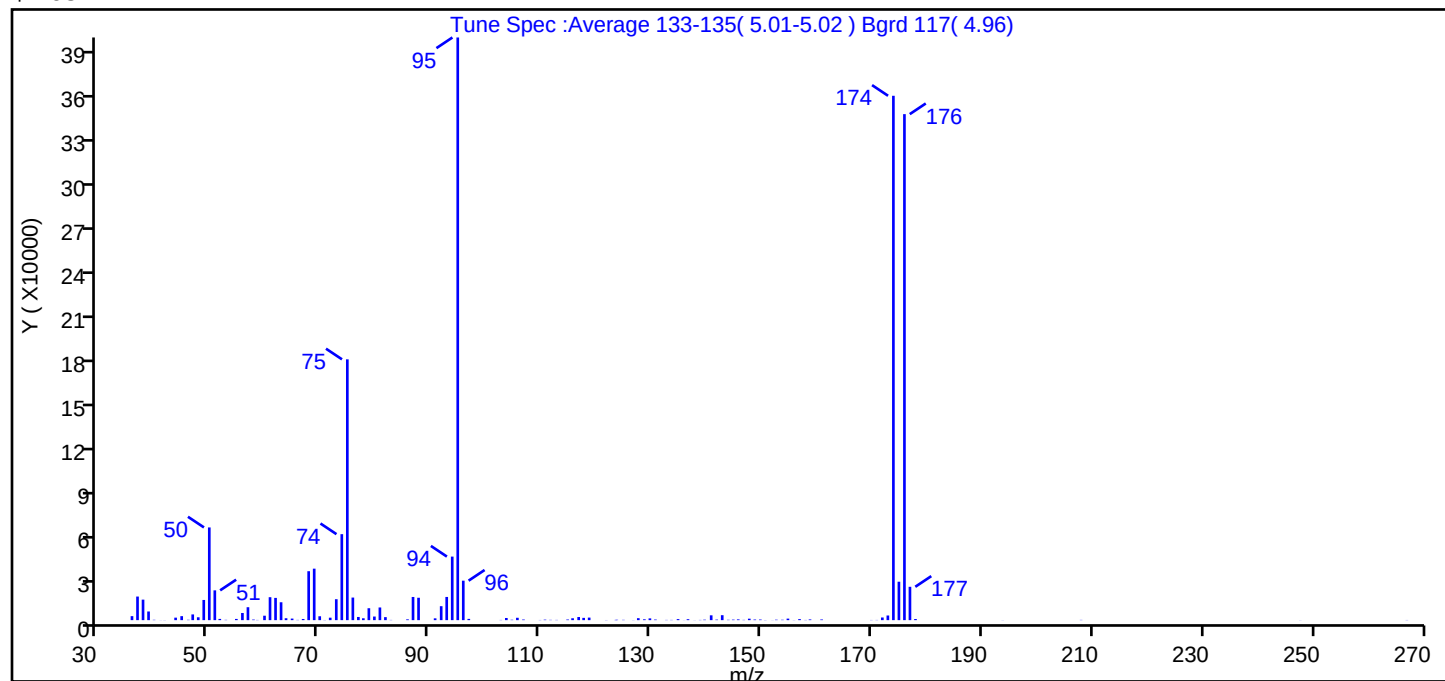
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

\$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.9
75	30 to 60% of m/z 95	44.8
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.8 (0.9)
174	50 to 120% of m/z 95	90.0
175	5 to 9% of m/z 174	6.6 (7.3)
176	Greater than 95% but less than 101% of m/z 174	86.8 (96.5)
177	5 to 9% of m/z 176	5.7 (6.6)

Data File: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\CL02T01.D\MSV_10193_25mL.rslt\spectra.d
Injection Date: 02-Jul-2024 10:21:30
Spectrum: Tune Spec :Average 133-135(5.01-5.02) Bgrd 117(4.96)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2684	68.00	32928	107.00	412	144.00	234
37.00	15877	69.00	34640	110.00	121	145.00	350
38.00	13798	70.00	2621	111.00	334	146.00	511
39.00	5828	71.00	106	112.00	193	147.00	179
40.00	228	72.00	1655	113.00	158	148.00	974
41.00	51	73.00	14088	115.00	430	149.00	410
42.00	73	74.00	57856	116.00	1270	150.00	411
44.00	1677	75.00	175488	117.00	2098	151.00	99
45.00	2681	76.00	15193	118.00	1532	152.00	52
46.00	240	77.00	2132	119.00	1710	153.00	305
47.00	3852	78.00	1257	122.00	101	154.00	259
48.00	1924	79.00	8018	124.00	143	155.00	1021
49.00	13582	80.00	2428	124.00	257	156.00	78
50.00	62384	81.00	8529	125.00	203	157.00	681
51.00	20048	82.00	2027	127.00	67	158.00	127
52.00	828	83.00	144	128.00	1313	159.00	484
53.00	196	86.00	539	129.00	565	161.00	449
55.00	815	87.00	15589	130.00	1182	170.00	121
56.00	4812	88.00	15062	131.00	399	171.00	134
57.00	8700	91.00	1218	133.00	158	172.00	1786
58.00	392	92.00	9390	134.00	157	173.00	3124
59.00	137	93.00	15609	135.00	687	174.00	352832
60.00	2983	94.00	42760	136.00	51	175.00	25856
61.00	15437	95.00	392064	137.00	624	176.00	340480
62.00	14968	96.00	26560	138.00	60	177.00	22440
63.00	12036	97.00	841	139.00	149	178.00	747
64.00	1281	103.00	136	140.00	315	194.00	62
65.00	1054	104.00	1451	141.00	3244	208.00	171
66.00	161	105.00	262	142.00	363	248.00	60
67.00	782	106.00	1592	143.00	3332	267.00	114

Data File: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\CL02T01.D

Injection Date: 02-Jul-2024 10:21:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

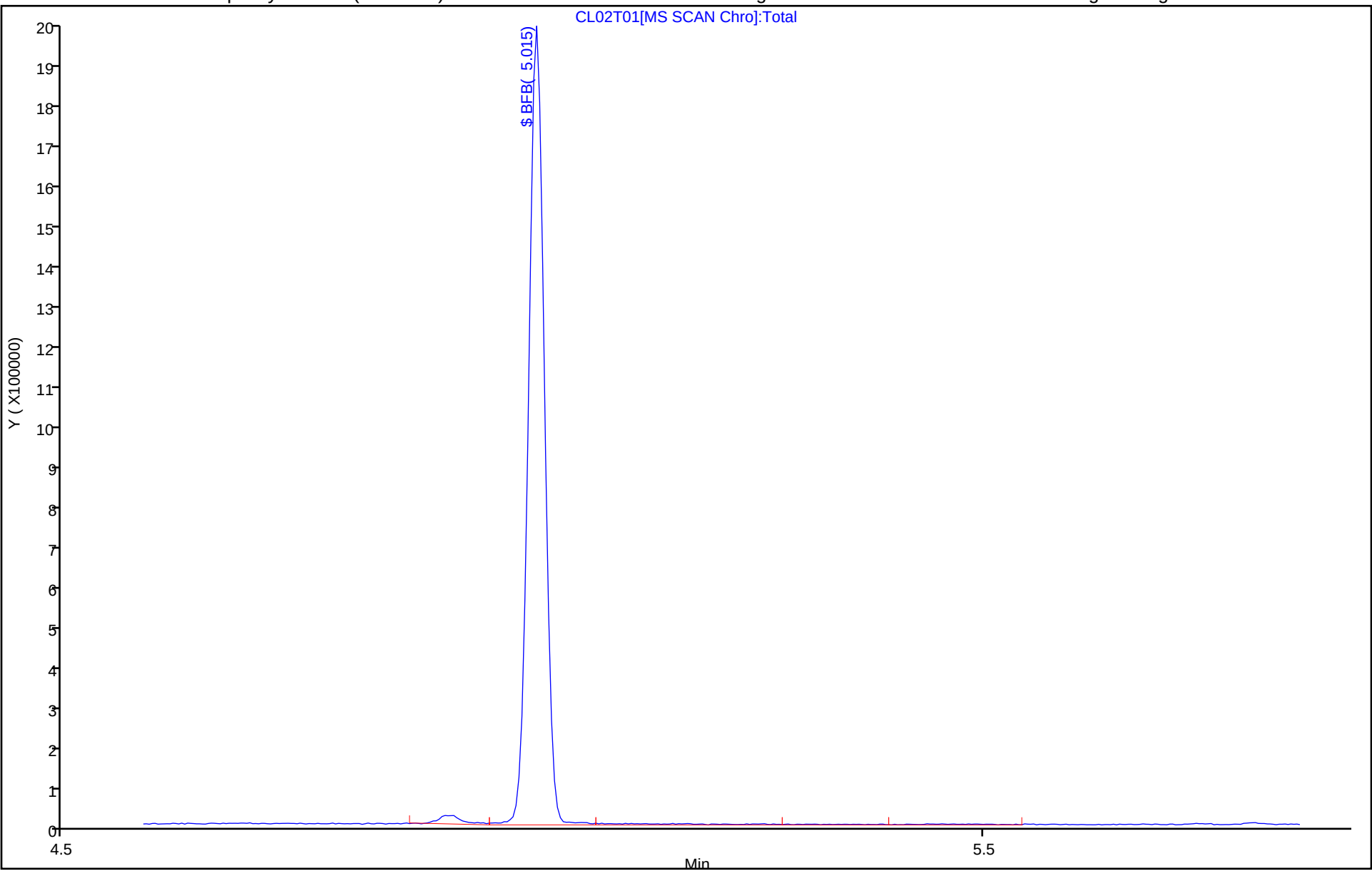
ALS Bottle#: 1

Method: MSV_10193_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\10193\20240708-118704.b\CL08T01.D

Lims ID:

BFB

Client ID:

Sample Type:

BFB

Inject. Date:

08-Jul-2024 10:51:30

ALS Bottle#:

1

Worklist Smp#:

1

Injection Vol:

1.0 uL

Dil. Factor:

1.0000

Sample Info:

410-0118704-001

Misc. Info.:

BFB

Operator ID:

knk41612

Instrument ID:

10193

Method:

\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m

Limit Group:

MSV - 8260C_D

Last Update:

09-Jul-2024 12:08:28

Calib Date:

15-Jun-2024 00:45:30

Integrator:

RTE

ID Type:

Deconvolution ID

Quant Method:

Internal Standard

Quant By:

Initial Calibration

Last ICal File:

\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 :

Rxi-624Sil MS Capillary Column (0.25 mm)

Det:

MS Quad

Process Host:

CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 12:08:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 168 BFB

95

5.011

5.011

0.000

92

890428

NR

NR

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_V_BFB_00017

Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08T01.D

Injection Date: 08-Jul-2024 10:51:30

Instrument ID: 10193

Lims ID: BFB

Client ID:

Operator ID: knk41612

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

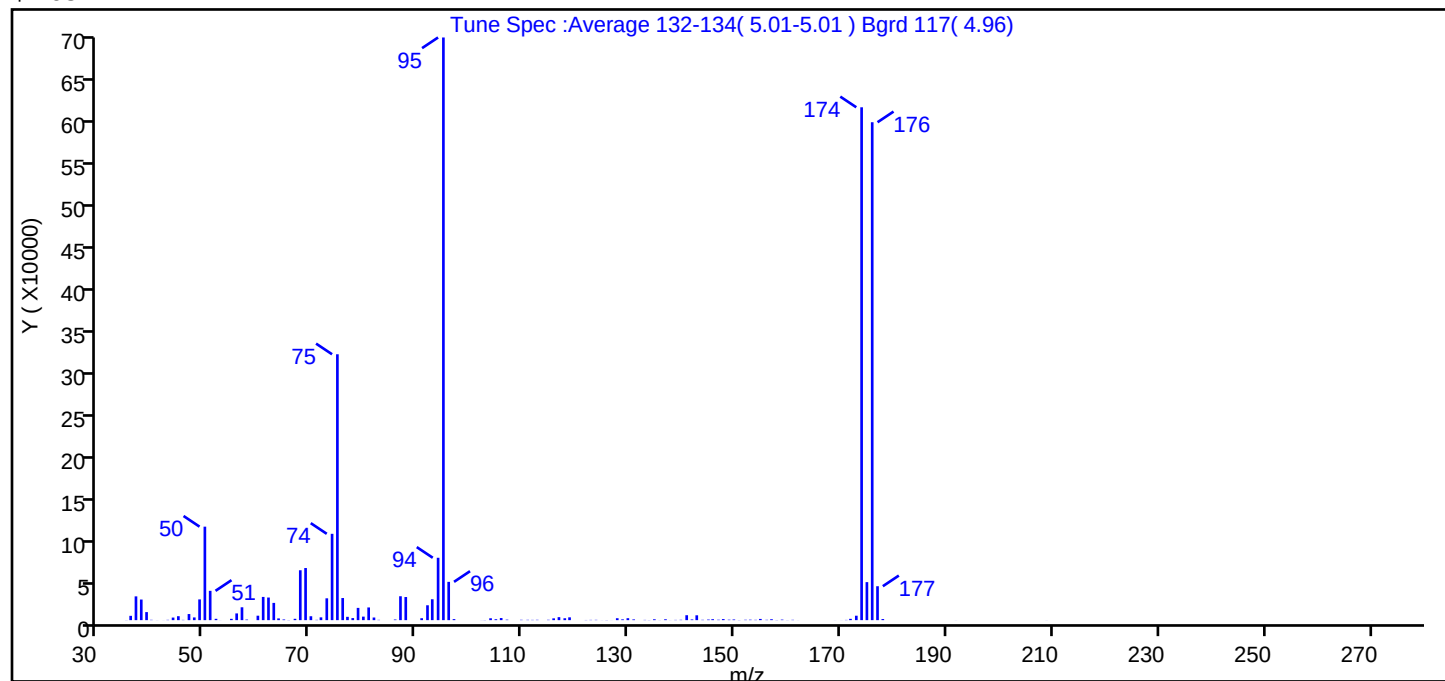
Dil. Factor: 1.0000

Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

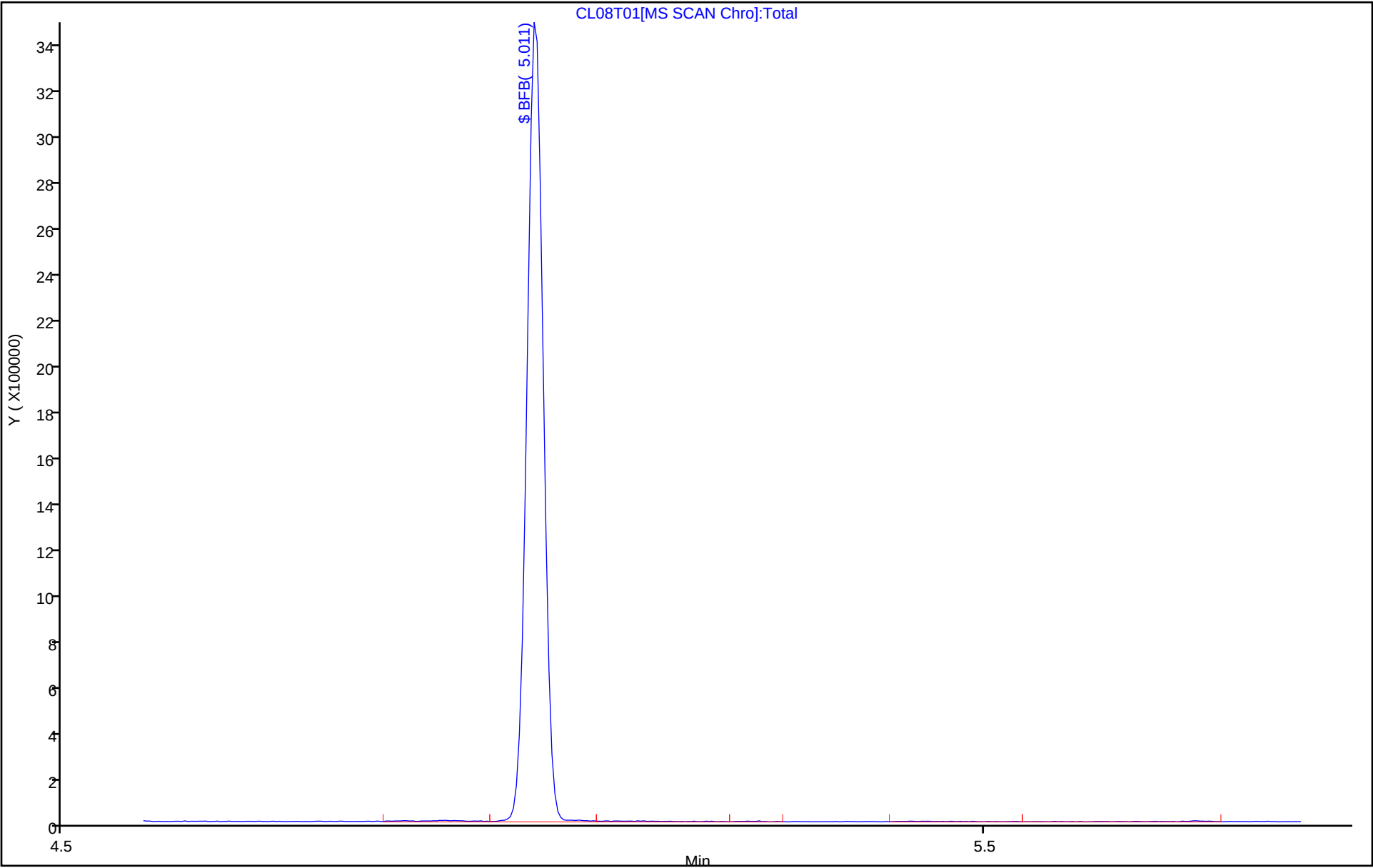
\$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.0
75	30 to 60% of m/z 95	45.6
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.8 (0.9)
174	50 to 120% of m/z 95	88.0
175	5 to 9% of m/z 174	6.5 (7.4)
176	Greater than 95% but less than 101% of m/z 174	85.5 (97.1)
177	5 to 9% of m/z 176	5.8 (6.8)

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08T01.D\MSV_10193_25mL.rslt\spectra.d
Injection Date: 08-Jul-2024 10:51:30
Spectrum: Tune Spec :Average 132-134(5.01-5.01) Bgrd 117(4.96)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 125

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	121	69.00	61776	111.00	393	147.00	495
36.00	5112	70.00	4629	112.00	323	148.00	1250
37.00	28192	71.00	353	113.00	415	149.00	532
38.00	24432	72.00	3304	115.00	427	150.00	790
39.00	9536	73.00	25880	116.00	2114	151.00	163
40.00	382	74.00	102344	117.00	3541	152.00	449
41.00	69	75.00	315200	118.00	2249	153.00	555
42.00	54	76.00	26216	119.00	3337	154.00	375
43.00	360	77.00	3935	122.00	199	155.00	1439
44.00	3050	78.00	2460	123.00	315	156.00	400
45.00	4680	79.00	14531	124.00	363	157.00	1058
46.00	317	80.00	4171	125.00	75	158.00	177
47.00	7226	81.00	15044	126.00	171	159.00	636
48.00	3214	82.00	3124	127.00	56	160.00	115
49.00	24592	83.00	347	128.00	2273	161.00	387
50.00	110824	86.00	750	129.00	930	162.00	55
51.00	34752	87.00	28336	130.00	2302	169.00	55
52.00	1566	88.00	27408	131.00	874	170.00	52
53.00	63	91.00	2277	133.00	301	171.00	279
55.00	1554	92.00	17632	134.00	145	172.00	1559
56.00	7978	93.00	24768	135.00	1032	173.00	5249
57.00	15254	94.00	73944	136.00	91	174.00	608000
58.00	697	95.00	690752	137.00	1022	175.00	45064
60.00	5273	96.00	45400	138.00	69	176.00	590272
61.00	27528	97.00	1225	139.00	300	177.00	40216
62.00	26808	102.00	75	140.00	416	178.00	1293
63.00	20448	103.00	159	141.00	5838	192.00	57
64.00	2045	104.00	2211	142.00	828	209.00	64
65.00	804	105.00	1093	143.00	5745	270.00	52
66.00	174	106.00	2478	144.00	405		
67.00	1584	107.00	580	145.00	696		
68.00	59144	110.00	416	146.00	1124		



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14T01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 14-Jun-2024 17:47:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0116727-001
Misc. Info.: bfb
Operator ID: mec29284 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Jun-2024 15:07:00 Calib Date: 15-Jun-2024 00:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1672

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 168 BFB	95	5.030	5.030	0.000	87	192907	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_V_BFB_00017

Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14T01.D

Injection Date: 14-Jun-2024 17:47:30

Instrument ID: 16334

Lims ID: bfb

Client ID:

Operator ID: mec29284

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

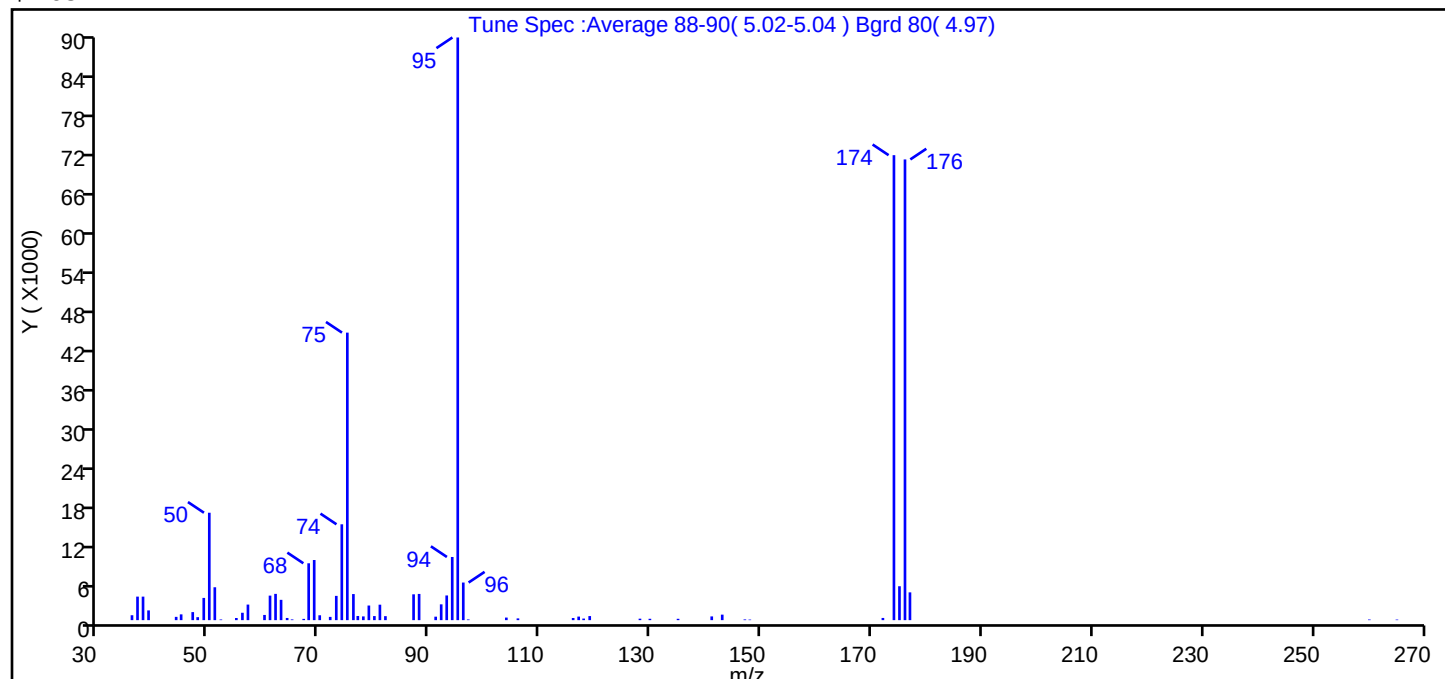
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

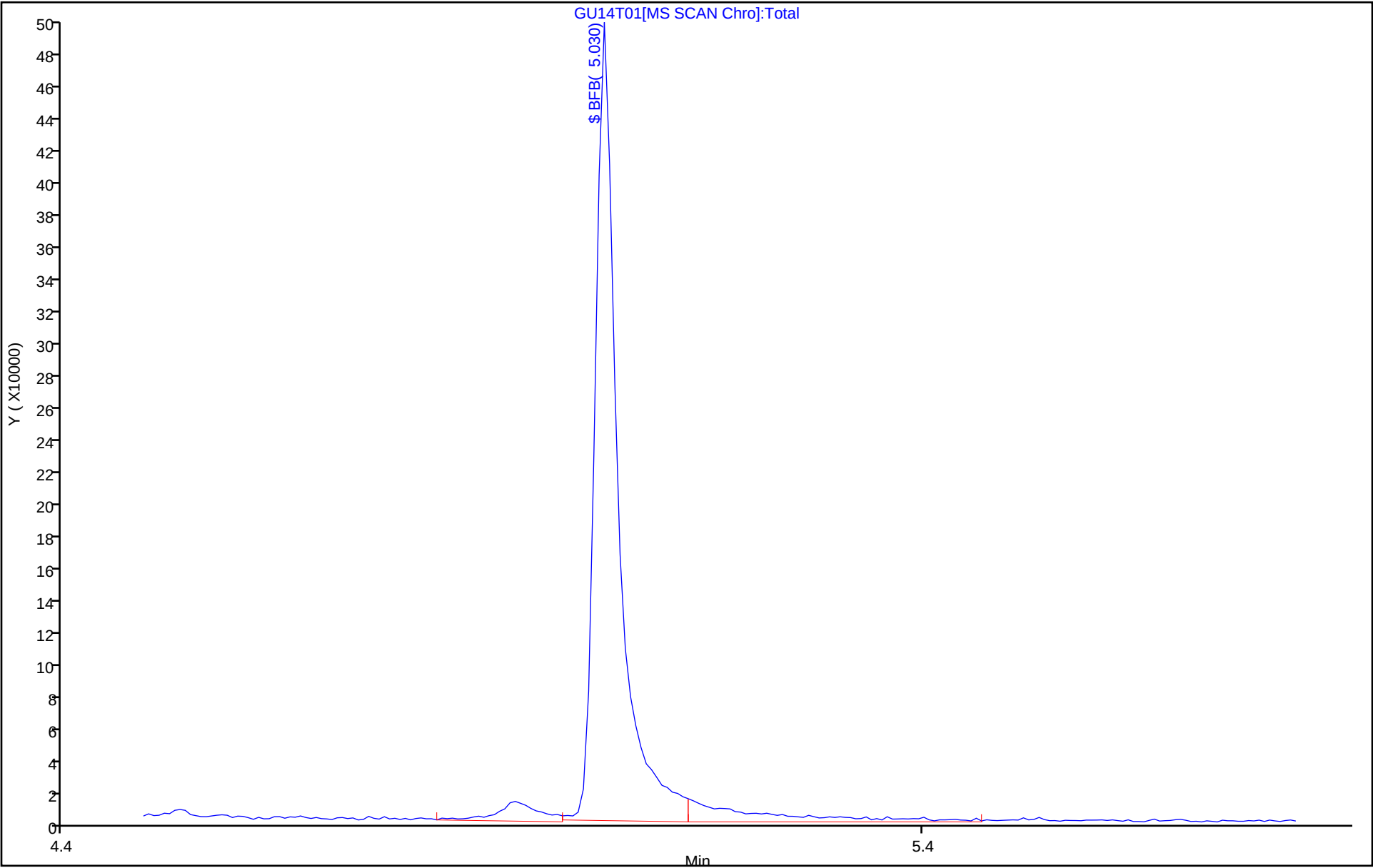
\$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.4
75	30 to 60% of m/z 95	49.3
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	79.8
175	5 to 9% of m/z 174	5.8 (7.3)
176	Greater than 95% but less than 101% of m/z 174	79.1 (99.1)
177	5 to 9% of m/z 176	4.8 (6.0)

Data File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14T01.D\MSV_16334_25mL.rslt\spectra.d
Injection Date: 14-Jun-2024 17:47:30
Spectrum: Tune Spec :Average 88-90(5.02-5.04) Bgrd 80(4.97)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	756	62.00	4047	81.00	2382	128.00	225
37.00	3625	63.00	3129	82.00	614	130.00	210
38.00	3624	64.00	335	87.00	3980	135.00	207
39.00	1501	65.00	111	88.00	4039	141.00	575
44.00	506	67.00	195	91.00	535	143.00	849
45.00	891	68.00	8761	92.00	2435	147.00	111
47.00	1238	69.00	9265	93.00	3804	148.00	87
48.00	458	70.00	751	94.00	9732	172.00	340
49.00	3425	72.00	501	95.00	89784	174.00	71648
50.00	16552	73.00	3739	96.00	5795	175.00	5225
51.00	5067	74.00	14770	97.00	108	176.00	70992
52.00	102	75.00	44304	104.00	396	177.00	4281
55.00	330	76.00	4018	106.00	269	260.00	97
56.00	1138	77.00	640	116.00	332	265.00	89
57.00	2398	78.00	575	117.00	548		
60.00	800	79.00	2252	118.00	242		
61.00	3780	80.00	626	119.00	628		



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09T31.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 09-Jul-2024 20:30:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0118882-001
Misc. Info.: BFB
Operator ID: gaw91131 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 22:40:25 Calib Date: 15-Jun-2024 00:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1611

First Level Reviewer: JS6E

Date: 09-Jul-2024 20:39:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 168 BFB	95	5.029	5.029	0.000	86	349212	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_V_BFB_00017

Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09T31.D

Injection Date: 09-Jul-2024 20:30:30

Instrument ID: 16334

Lims ID: BFB

Client ID:

Operator ID: gaw91131

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

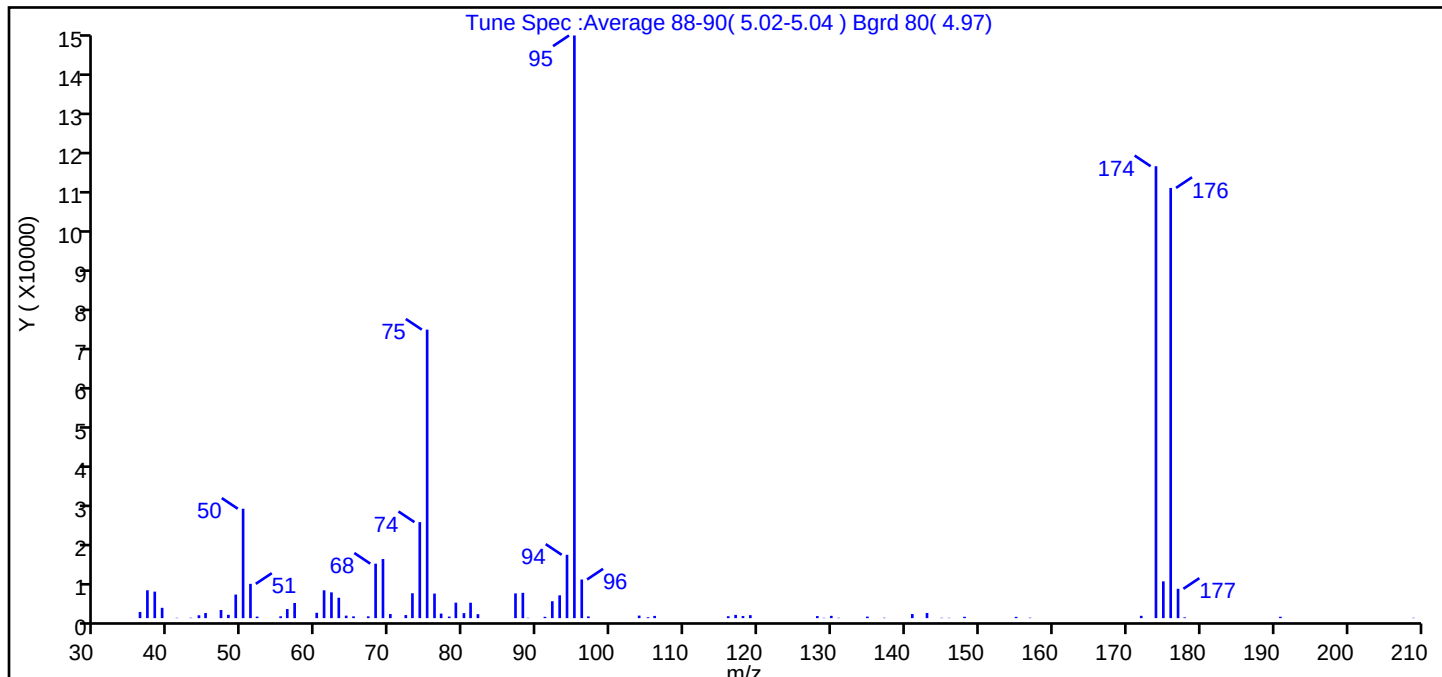
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

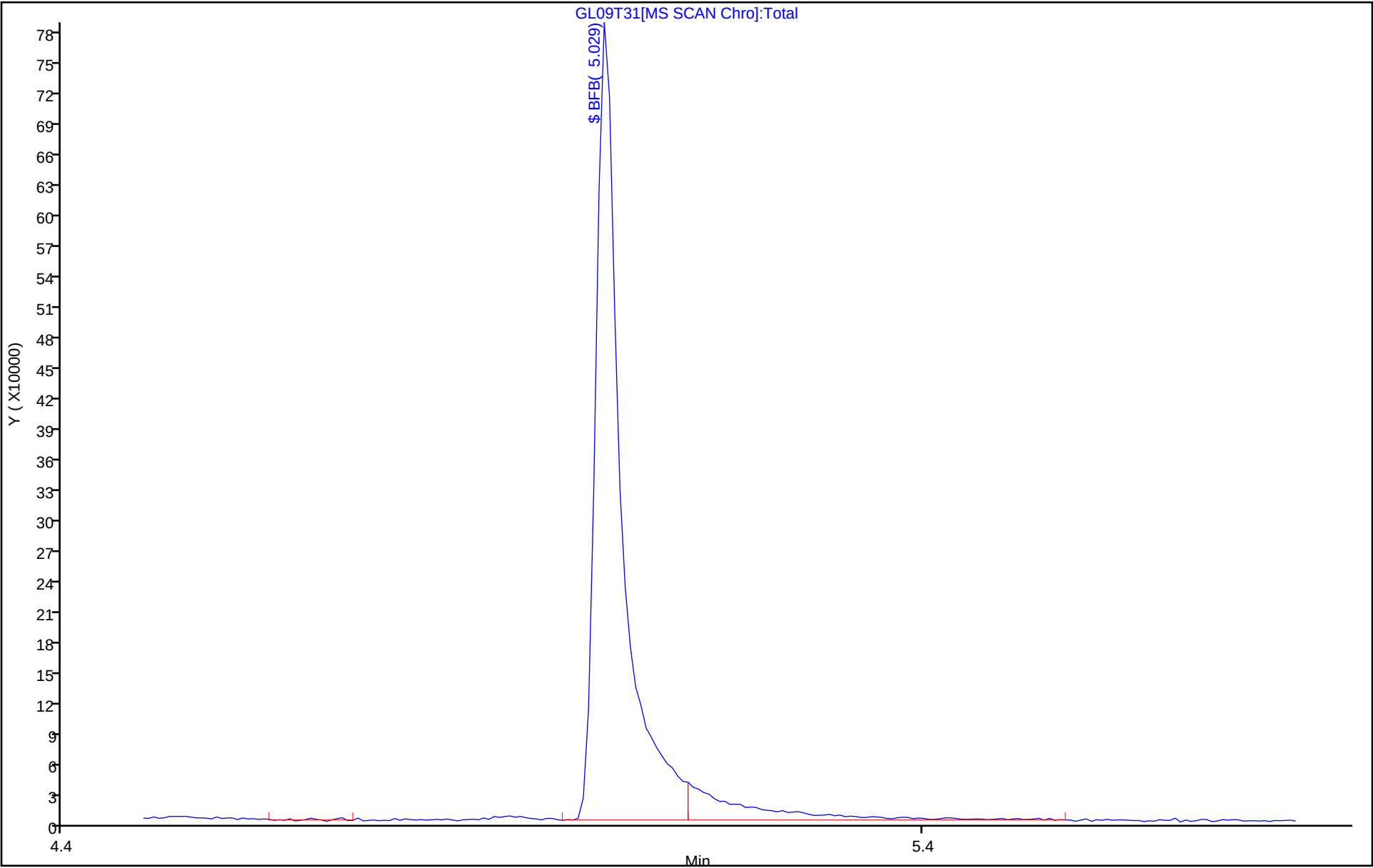
\$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.8
75	30 to 60% of m/z 95	49.5
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	77.6
175	5 to 9% of m/z 174	6.3 (8.1)
176	Greater than 95% but less than 101% of m/z 174	73.8 (95.2)
177	5 to 9% of m/z 176	5.0 (6.8)

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09T31.D\MSV_16334_25mL.rsl\spectra.d
Injection Date: 09-Jul-2024 20:30:30
Spectrum: Tune Spec :Average 88-90(5.02-5.04) Bgrd 80(4.97)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1582	62.00	6581	87.00	6319	130.00	588
37.00	7114	63.00	5211	88.00	6459	131.00	90
38.00	6769	64.00	646	89.00	86	135.00	389
39.00	2636	65.00	458	91.00	343	137.00	100
41.00	84	67.00	459	92.00	4316	141.00	1043
43.00	99	68.00	13906	93.00	5819	143.00	1324
44.00	733	69.00	15088	94.00	16172	145.00	91
45.00	1309	70.00	1046	95.00	148736	146.00	83
47.00	2077	72.00	788	96.00	9866	148.00	351
48.00	850	73.00	6349	97.00	437	155.00	330
49.00	6017	74.00	24512	104.00	650	157.00	113
50.00	27928	75.00	73648	105.00	227	172.00	596
51.00	8756	76.00	6271	106.00	573	174.00	115360
52.00	392	77.00	1161	116.00	493	175.00	9397
55.00	468	78.00	398	117.00	835	176.00	109824
56.00	2326	79.00	3946	118.00	541	177.00	7491
57.00	3867	80.00	1279	119.00	761	178.00	198
60.00	1367	81.00	3938	128.00	526	191.00	350
61.00	7105	82.00	1017	129.00	85	209.00	88



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-523863/7

Matrix: Water

Lab File ID: CL02X06.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2024 12:31

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 523863

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 410-523863/7

Matrix: Water Lab File ID: CL02X06.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 07/02/2024 12:31

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 523863 Units: ug/L

Preparation Batch No.: _____ Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		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\10193\20240702-118306.b\CL02X06.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 02-Jul-2024 12:31:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118306-007
 Misc. Info.: MB
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2024 12:59:23 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1642

First Level Reviewer: N7YK

Date: 02-Jul-2024 14:07:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.762					ND	
2 Dichlorodifluoromethane	85		1.793					ND	
3 Chlorodifluoromethane	51		1.811					ND	7
4 Dimethyl ether	45		1.860					ND	
5 Chloromethane	50		1.982					ND	
6 Vinyl chloride	62		2.079					ND	
7 Butadiene	39		2.110					ND	7
8 2-Chloro-1,1,1-Trifluoroethane	118		2.153					ND	
9 Bromomethane	94		2.396					ND	7
10 Chloroethane	64		2.439					ND	
11 Dichlorofluoromethane	67		2.683					ND	
13 Pentane	43		2.725					ND	U
12 Trichlorofluoromethane	101		2.732					ND	
14 Ethyl ether	59		2.908					ND	
16 1,2-Dichloro-1,1,2-trifluoroetha	67		3.012					ND	
17 Acrolein	56		3.061					ND	7
18 1,1-Dichloroethene	96		3.189					ND	
20 Acetone	43	3.213	3.213	0.000	36	4548		0.5309	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.231					ND	
24 Isopropyl alcohol	45		3.360					ND	U
22 Iodomethane	142		3.360					ND	
23 Ethyl bromide	108		3.384					ND	
25 Carbon disulfide	76		3.451					ND	MU
27 Acetonitrile	41		3.561					ND	7
26 Methyl acetate	43		3.573					ND	7
29 3-Chloro-1-propene	41		3.603					ND	
30 Methylene Chloride	84	3.786	3.774	0.012	42	1587		0.0259	7M
* 31 t-Butyl alcohol-d10 (IS)	65	3.799	3.774	0.025	97	172722	50.0	50.0	
32 2-Methyl-2-propanol	59		3.890					ND	7
33 Acrylonitrile	53		4.079					ND	
34 Methyl tert-butyl ether	73		4.134					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 trans-1,2-Dichloroethene	96		4.134					ND	
36 Hexane	57		4.548					ND	
38 Vinyl acetate	43		4.780					ND	
37 1,1-Dichloroethane	63		4.792					ND	
39 Isopropyl ether	45		4.865					ND	
40 2-Chloro-1,3-butadiene	53		4.902					ND	
41 Tert-butyl ethyl ether	59		5.402					ND	7
42 2-Butanone (MEK)	43		5.609					ND	7
43 cis-1,2-Dichloroethene	96		5.646					ND	
44 2,2-Dichloropropane	77		5.658					ND	7
46 Ethyl acetate	43		5.682					ND	7
45 Propionitrile	54		5.707					ND	
47 Methacrylonitrile	67		5.926					ND	
48 Chlorobromomethane	128		5.975					ND	
49 Tetrahydrofuran	71		5.981					ND	
51 Methyl acrylate	55		6.013					ND	
50 Chloroform	83		6.139					ND	
S 52 1,2-Dichloroethene, Total	100		6.155					ND	7
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	94	550469	10.0	10.1	
53 1,1,1-Trichloroethane	97		6.365					ND	
55 Cyclohexane	56		6.456					ND	
56 Carbon tetrachloride	117		6.572					ND	
57 1,1-Dichloropropene	75		6.578					ND	
58 Isobutyl alcohol	41		6.767					ND	
62 1-Chlorobutane	56		6.781					ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.816	0.000	98	111670	10.0	10.0	
60 Benzene	78		6.841					ND	
61 1,2-Dichloroethane	62		6.920					ND	
63 Isopropyl acetate	43		6.956					ND	
64 Tert-amyl methyl ether	73		7.048					ND	
* 65 Fluorobenzene (IS)	96	7.261	7.261	0.000	99	2249883	10.0	10.0	
66 n-Heptane	43		7.279					ND	7
67 n-Butanol	56		7.676					ND	7
68 Trichloroethene	95		7.749					ND	
69 Methylcyclohexane	83		8.060					ND	
70 1,2-Dichloropropane	63		8.090					ND	
71 2-ethoxy-2-methyl butane	87		8.115					ND	
74 1,4-Dioxane	88		8.188					ND	
73 Methyl methacrylate	69		8.194					ND	
72 Dibromomethane	93		8.200					ND	
75 n-Propyl acetate	61		8.292					ND	
76 Dichlorobromomethane	83		8.450					ND	
77 2-Nitropropane	41		8.737					ND	
79 2-Chloroethyl vinyl ether	63		8.840					ND	
78 1-Bromo-2-chloroethane	63		8.846					ND	
80 cis-1,3-Dichloropropene	75		9.023					ND	
81 Chloroacetonitrile	75		9.067					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.224					ND	7
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2251685	10.0	9.97	
84 Toluene	92		9.438					ND	7
85 trans-1,3-Dichloropropene	75		9.724					ND	7
86 Ethyl methacrylate	69		9.797					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.937					ND	
88 Tetrachloroethene	166		10.017					ND	
S 107 1,3-Dichloropropene, Total	100		10.060					ND	7
89 1,3-Dichloropropane	76		10.108					ND	
106 2-Hexanone	43		10.175					ND	7
109 n-Butyl acetate	43		10.316					ND	U
108 Chlorodibromomethane	129		10.328					ND	
110 Ethylene Dibromide	107		10.437					ND	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1762775	10.0	10.0	
112 1-Chlorohexane	91		10.919					ND	7
113 Chlorobenzene	112		10.925					ND	
114 1,1,1,2-Tetrachloroethane	131		11.017					ND	
115 Ethylbenzene	91		11.023					ND	
116 m-Xylene & p-Xylene	106		11.138					ND	7
S 117 Xylenes, Total	106		11.245					ND	7
118 o-Xylene	106		11.480					ND	
119 Styrene	104		11.498					ND	7
120 Bromoform	173		11.651					ND	7
121 Isopropylbenzene	105		11.791					ND	
122 cis-1,4-Dichloro-2-butene	88		11.852					ND	
123 Cyclohexanone	55		11.876					ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	95	800403	10.0	9.43	
126 1,1,2,2-Tetrachloroethane	83		12.053					ND	
125 Bromobenzene	156		12.053					ND	7
127 trans-1,4-Dichloro-2-butene	53		12.077					ND	
128 1,2,3-Trichloropropane	110		12.096					ND	
129 N-Propylbenzene	91		12.132					ND	
130 2-Chlorotoluene	126		12.205					ND	7
131 1,3,5-Trimethylbenzene	105		12.272					ND	
132 4-Chlorotoluene	126		12.303					ND	7
133 tert-Butylbenzene	134		12.522					ND	
134 Pentachloroethane	167		12.547					ND	
135 1,2,4-Trimethylbenzene	105		12.565					ND	7
136 sec-Butylbenzene	105		12.687					ND	
137 1,3-Dichlorobenzene	146		12.785					ND	7
138 4-Isopropyltoluene	119		12.803					ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	93	999122	10.0	10.0	
140 1,4-Dichlorobenzene	146		12.858					ND	7
141 1,2,3-Trimethylbenzene	120		12.876					ND	7
142 Benzyl chloride	126		12.943					ND	
145 p-Diethylbenzene	119	13.083	13.077	0.006	79	1022		0.005011	
143 n-Butylbenzene	92		13.095					ND	7
144 1,2-Dichlorobenzene	146		13.126					ND	7
147 Hexachloroethane	117		13.444					ND	
148 1,2-Dibromo-3-Chloropropane	155		13.675					ND	
149 1,3,5-Trichlorobenzene	180		13.803					ND	7
150 1,2,4-Trichlorobenzene	180		14.235					ND	7
151 Hexachlorobutadiene	225		14.321					ND	7
152 Naphthalene	128	14.418	14.412	0.006	94	4485		0.0260	
153 1,2,3-Trichlorobenzene	180	14.559	14.559	0.000	93	2369		0.0278	
154 2-Methylnaphthalene	142	15.168	15.174	-0.006	86	4723		0.0617	
155 Dodecane	57		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
156 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
157 tert-Butyl Formate	1		0.000					ND	
158 2-Bromo-1-chloropropane	1		0.000					ND	
159 1-Chloropropane	1		0.000					ND	
160 1,1-Dichloroacetone	1		0.000					ND	
161 Methylal	1		0.000					ND	
162 Propene oxide	1		0.000					ND	
163 t-Amyl alcohol	1		0.000					ND	
164 Ethanol	45		0.000					ND	
165 n-Decane	57		0.000					ND	
166 1-Bromo-3-Chloropropane	1		0.000					ND	
244 1,1-Dichloro-1-fluoroethane TIC1			0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

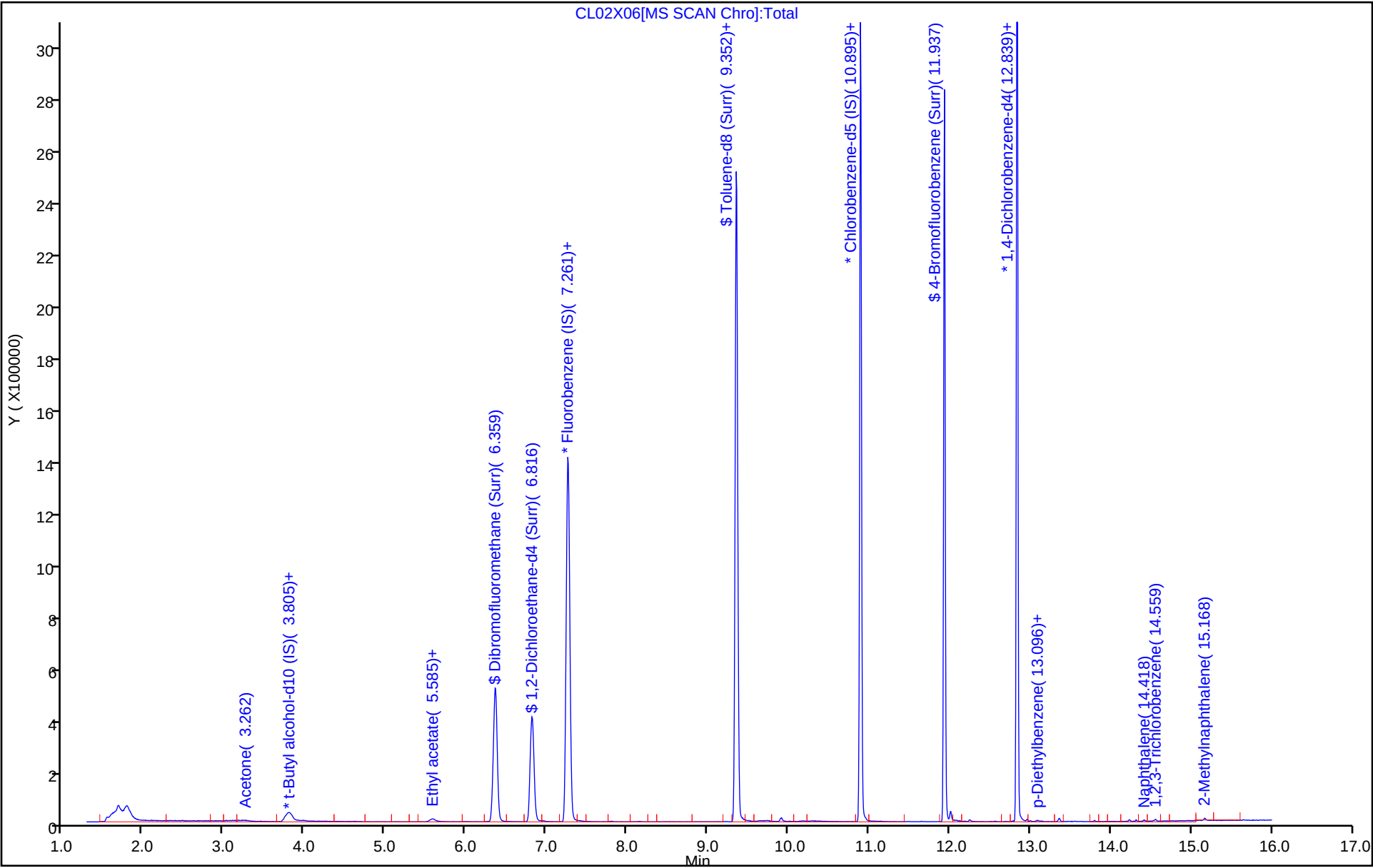
Reagents:

MSV_HP25_ISSS_00091

Amount Added: 1.00

Units: uL

Run Reagent



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\CL02X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 02-Jul-2024 12:31:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118306-007
Misc. Info.: MB
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 03-Jul-2024 12:59:23 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1642

First Level Reviewer: N7YK

Date: 02-Jul-2024 14:07:53

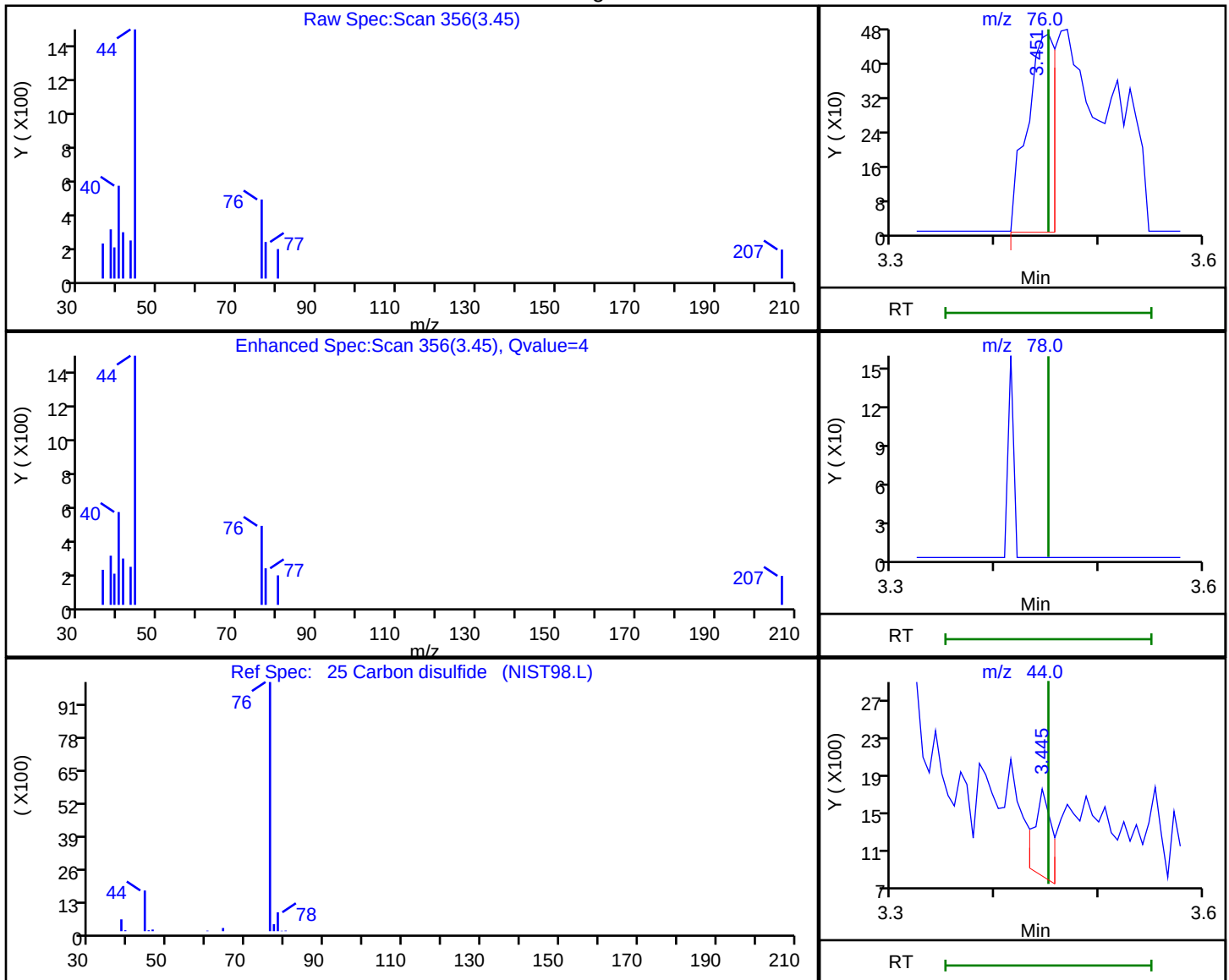
Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.1	101.03
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.18
\$ 83 Toluene-d8 (Surr)	10.0	9.97	99.69
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.43	94.27

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\CL02X06.D
Injection Date: 02-Jul-2024 12:31:30 Instrument ID: 10193
Lims ID: MB
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
3.45	76.00	891	0.005333
3.45	78.00	0	
3.44	44.00	1058	

Reviewer: N7YK, 02-Jul-2024 13:06:40 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

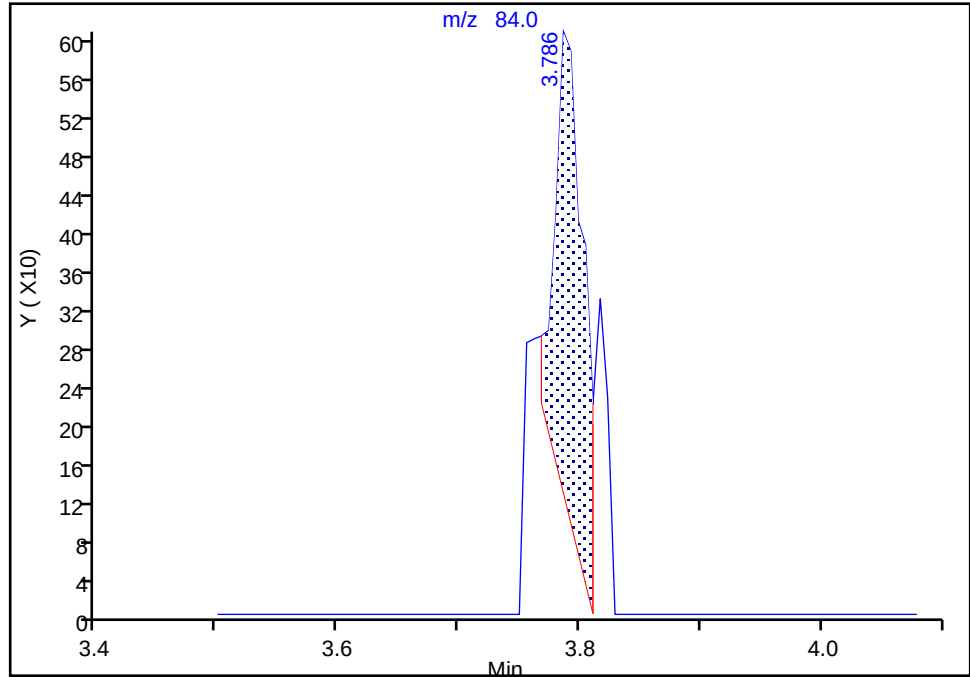
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Injection Date: 02-Jul-2024 12:31:30 Instrument ID: 10193
Lims ID: MB
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

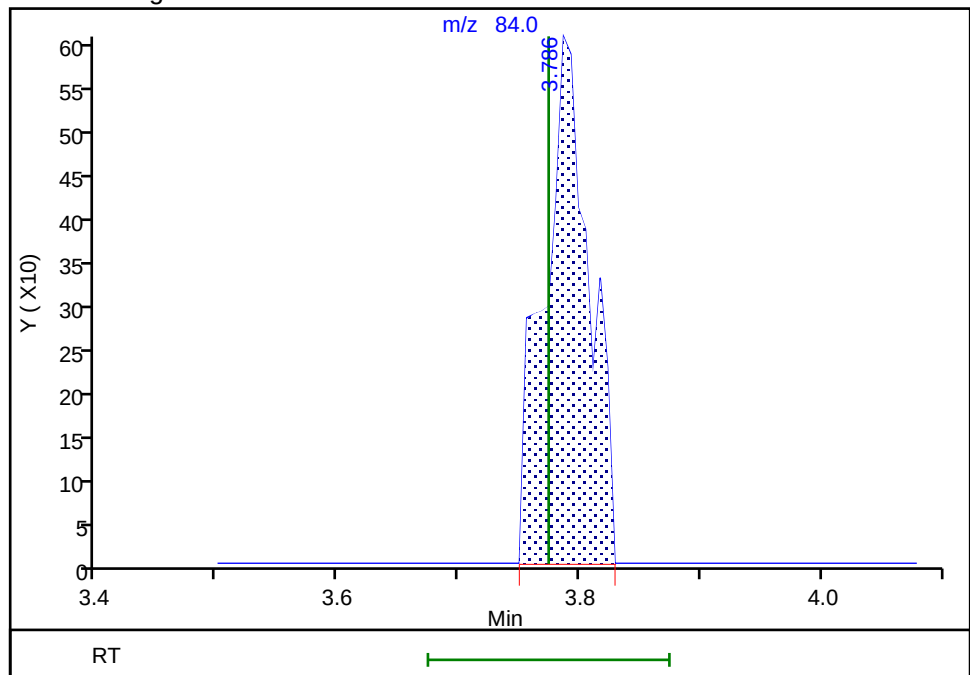
RT: 3.79
Area: 855
Amount: 0.013942
Amount Units: ug/l

Processing Integration Results



RT: 3.79
Area: 1587
Amount: 0.025878
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 02-Jul-2024 13:07:04 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

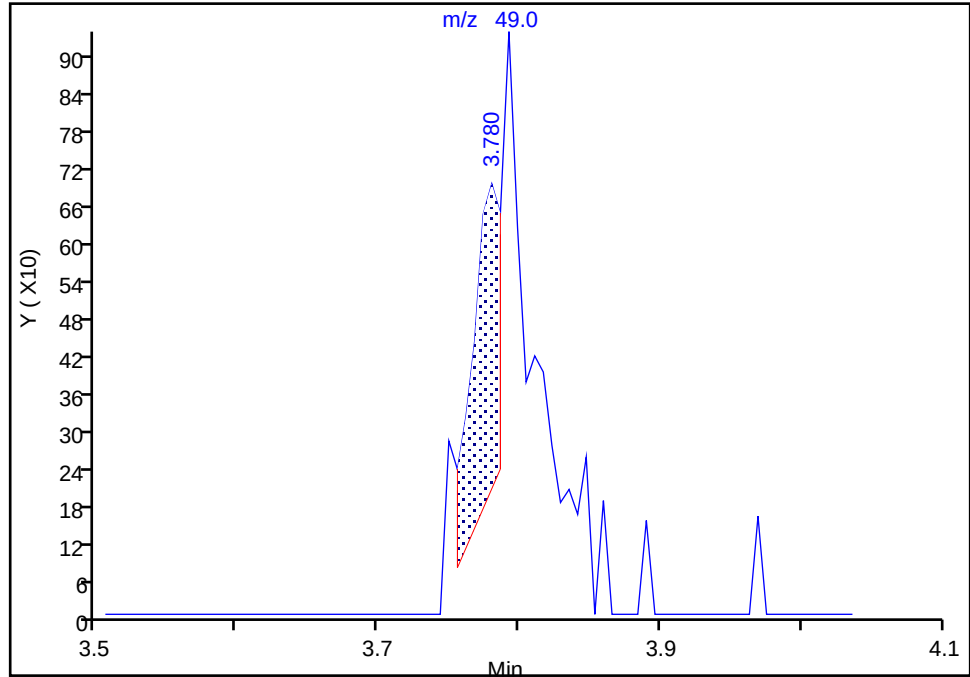
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Injection Date: 02-Jul-2024 12:31:30 Instrument ID: 10193
Lims ID: MB
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

30 Methylene Chloride, CAS: 75-09-2

Signal: 2

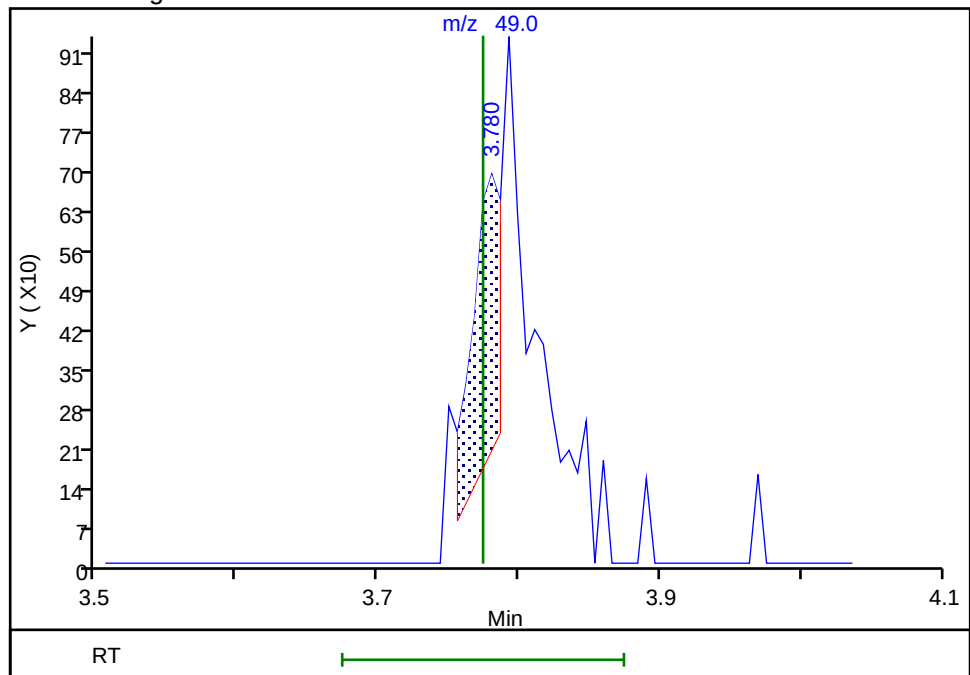
RT: 3.78
Area: 751
Amount: 0.013942
Amount Units: ug/l

Processing Integration Results



RT: 3.78
Area: 751
Amount: 0.025878
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 02-Jul-2024 13:07:09 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

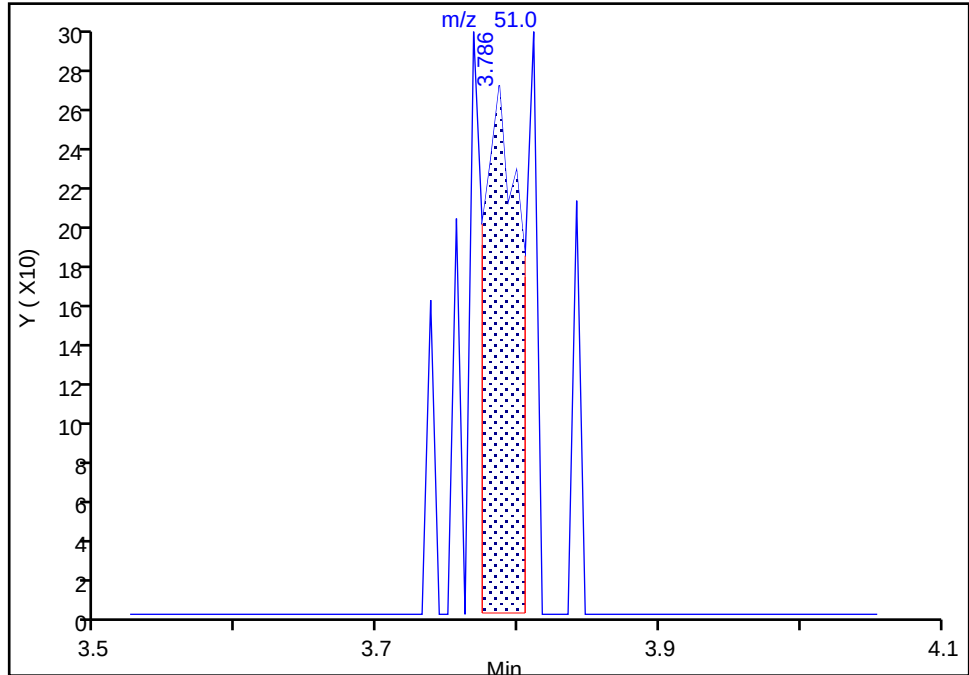
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Injection Date: 02-Jul-2024 12:31:30 Instrument ID: 10193
Lims ID: MB
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

30 Methylene Chloride, CAS: 75-09-2

Signal: 3

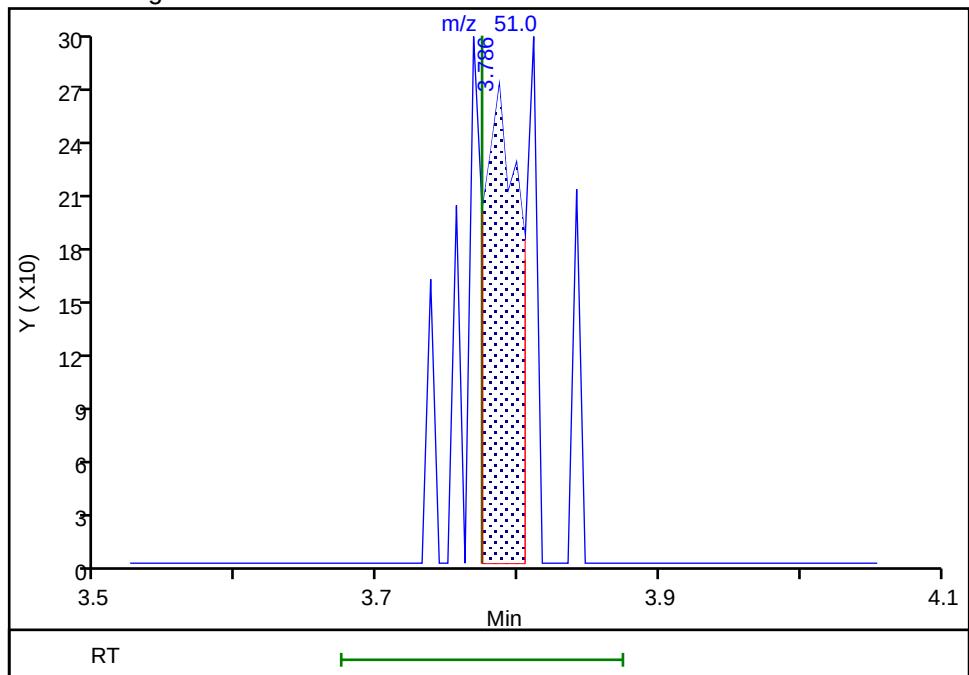
RT: 3.79
Area: 475
Amount: 0.013942
Amount Units: ug/l

Processing Integration Results



RT: 3.79
Area: 475
Amount: 0.025878
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 02-Jul-2024 13:07:09 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

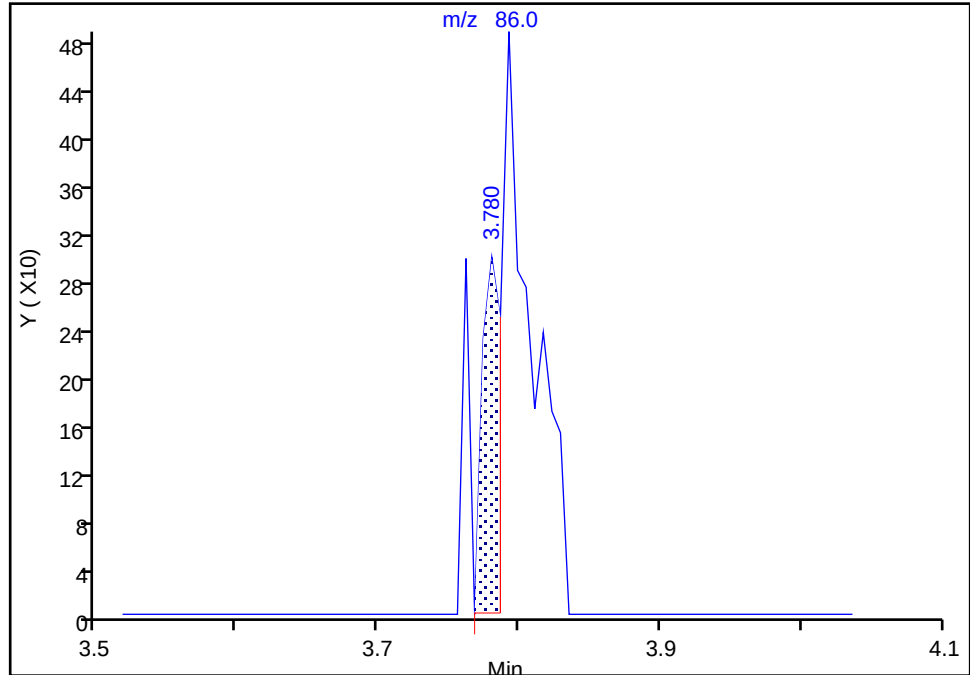
Data File: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\CL02X06.D
Injection Date: 02-Jul-2024 12:31:30 Instrument ID: 10193
Lims ID: MB
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

30 Methylene Chloride, CAS: 75-09-2

Signal: 4

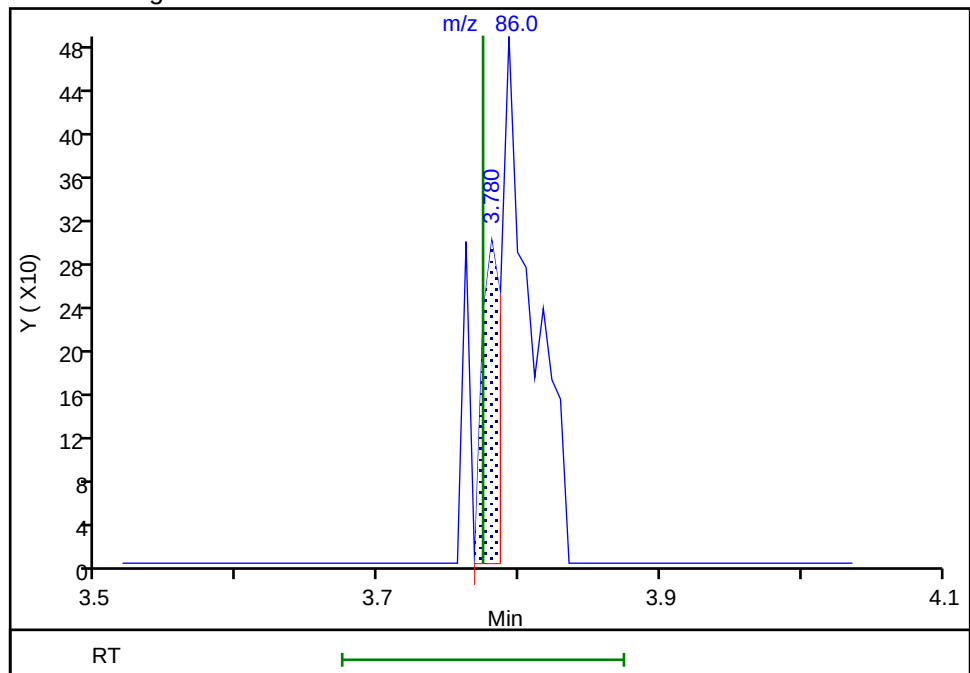
RT: 3.78
Area: 284
Amount: 0.013942
Amount Units: ug/l

Processing Integration Results



RT: 3.78
Area: 284
Amount: 0.025878
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 02-Jul-2024 13:07:09 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-525536/6

Matrix: Water

Lab File ID: CL08X05.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 12:46

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.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-525536/6

Matrix: Water

Lab File ID: CL08X05.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 12:46

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.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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)	100		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)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X05.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 08-Jul-2024 12:46:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-006
 Misc. Info.: MB
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 08-Jul-2024 16:29:26 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: N7YK

Date: 08-Jul-2024 13:57:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.762					ND	
2 Dichlorodifluoromethane	85		1.799					ND	
3 Chlorodifluoromethane	51		1.811					ND	7
4 Dimethyl ether	45		1.860					ND	7
5 Chloromethane	50		1.988					ND	
6 Vinyl chloride	62		2.085					ND	
7 Butadiene	39		2.116					ND	7
8 2-Chloro-1,1,1-Trifluoroethane	118		2.153					ND	
9 Bromomethane	94		2.402					ND	7
10 Chloroethane	64		2.445					ND	
11 Dichlorofluoromethane	67		2.695					ND	
13 Pentane	43		2.732					ND	U
12 Trichlorofluoromethane	101		2.738					ND	
14 Ethyl ether	59		2.914					ND	
16 1,2-Dichloro-1,1,2-trifluoroetha	67		3.012					ND	
17 Acrolein	56		3.073					ND	MU
18 1,1-Dichloroethene	96		3.189					ND	
20 Acetone	43	3.219	3.213	0.006	36	3937		0.4921	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.244					ND	
24 Isopropyl alcohol	45		3.359					ND	
22 Iodomethane	142		3.366					ND	
23 Ethyl bromide	108		3.390					ND	
25 Carbon disulfide	76	3.518	3.457	0.061	28	5843		0.0350	M
27 Acetonitrile	41		3.561					ND	7
26 Methyl acetate	43		3.591					ND	7
29 3-Chloro-1-propene	41		3.609					ND	
30 Methylene Chloride	84		3.780					ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.792	3.798	-0.006	97	161307	50.0	50.0	
32 2-Methyl-2-propanol	59		3.902					ND	7
33 Acrylonitrile	53		4.091					ND	
34 Methyl tert-butyl ether	73		4.140					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 trans-1,2-Dichloroethene	96		4.146					ND	
36 Hexane	57		4.554					ND	
38 Vinyl acetate	43		4.780					ND	
37 1,1-Dichloroethane	63		4.798					ND	
39 Isopropyl ether	45		4.865					ND	
40 2-Chloro-1,3-butadiene	53		4.908					ND	
41 Tert-butyl ethyl ether	59		5.408					ND	7
42 2-Butanone (MEK)	43		5.609					ND	7
43 cis-1,2-Dichloroethene	96		5.646					ND	
44 2,2-Dichloropropane	77		5.664					ND	7
46 Ethyl acetate	43		5.682					ND	7
45 Propionitrile	54		5.707					ND	
47 Methacrylonitrile	67		5.926					ND	
49 Tetrahydrofuran	71		5.981					ND	
48 Chlorobromomethane	128		5.981					ND	
51 Methyl acrylate	55		6.013					ND	
50 Chloroform	83		6.139					ND	
S 52 1,2-Dichloroethene, Total	100		6.155					ND	7
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	94	552668	10.0	10.1	
53 1,1,1-Trichloroethane	97		6.365					ND	
55 Cyclohexane	56		6.463					ND	
56 Carbon tetrachloride	117		6.572					ND	
57 1,1-Dichloropropene	75		6.578					ND	
58 Isobutyl alcohol	41		6.767					ND	
62 1-Chlorobutane	56		6.781					ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.816	0.000	99	111826	10.0	10.0	
60 Benzene	78		6.847					ND	7
61 1,2-Dichloroethane	62		6.920					ND	
63 Isopropyl acetate	43		6.956					ND	
64 Tert-amyl methyl ether	73		7.054					ND	
* 65 Fluorobenzene (IS)	96	7.261	7.267	-0.006	99	2249767	10.0	10.0	
66 n-Heptane	43		7.279					ND	7
67 n-Butanol	56		7.676					ND	
68 Trichloroethene	95		7.749					ND	
69 Methylcyclohexane	83		8.060					ND	
70 1,2-Dichloropropane	63		8.090					ND	
71 2-ethoxy-2-methyl butane	87		8.115					ND	
74 1,4-Dioxane	88		8.188					ND	
73 Methyl methacrylate	69		8.194					ND	
72 Dibromomethane	93		8.200					ND	
75 n-Propyl acetate	61		8.292					ND	
76 Dichlorobromomethane	83		8.450					ND	
77 2-Nitropropane	41		8.736					ND	7
79 2-Chloroethyl vinyl ether	63		8.840					ND	
78 1-Bromo-2-chloroethane	63		8.846					ND	
80 cis-1,3-Dichloropropene	75		9.023					ND	
81 Chloroacetonitrile	75		9.067					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.224					ND	7
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2251158	10.0	9.93	
84 Toluene	92		9.438					ND	
85 trans-1,3-Dichloropropene	75		9.724					ND	7
86 Ethyl methacrylate	69		9.797					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.937					ND	
88 Tetrachloroethene	166		10.017					ND	
S 107 1,3-Dichloropropene, Total	100		10.060					ND	7
89 1,3-Dichloropropane	76		10.108					ND	
106 2-Hexanone	43		10.175					ND	7
109 n-Butyl acetate	43	10.297	10.316	-0.019	37	892		0.0106	
108 Chlorodibromomethane	129		10.328					ND	
110 Ethylene Dibromide	107		10.437					ND	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1769246	10.0	10.0	
112 1-Chlorohexane	91		10.919					ND	7
113 Chlorobenzene	112		10.925					ND	
114 1,1,1,2-Tetrachloroethane	131		11.010					ND	
115 Ethylbenzene	91		11.017					ND	7
116 m-Xylene & p-Xylene	106		11.138					ND	7
S 117 Xylenes, Total	106		11.245					ND	7
118 o-Xylene	106		11.480					ND	
119 Styrene	104		11.498					ND	7
120 Bromoform	173		11.651					ND	7
121 Isopropylbenzene	105		11.791					ND	
122 cis-1,4-Dichloro-2-butene	88		11.852					ND	
123 Cyclohexanone	55		11.876					ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	94	809456	10.0	9.50	
126 1,1,2,2-Tetrachloroethane	83		12.053					ND	
125 Bromobenzene	156		12.053					ND	
127 trans-1,4-Dichloro-2-butene	53		12.077					ND	
128 1,2,3-Trichloropropane	110		12.096					ND	
129 N-Propylbenzene	91		12.132					ND	
130 2-Chlorotoluene	126		12.205					ND	
131 1,3,5-Trimethylbenzene	105		12.272					ND	7
132 4-Chlorotoluene	126		12.303					ND	7
133 tert-Butylbenzene	134		12.522					ND	
134 Pentachloroethane	167		12.547					ND	
135 1,2,4-Trimethylbenzene	105		12.565					ND	7
136 sec-Butylbenzene	105		12.687					ND	7
137 1,3-Dichlorobenzene	146		12.784					ND	
138 4-Isopropyltoluene	119		12.797					ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	93	984984	10.0	10.0	
140 1,4-Dichlorobenzene	146		12.858					ND	7
141 1,2,3-Trimethylbenzene	120		12.876					ND	7
142 Benzyl chloride	126		12.943					ND	
145 p-Diethylbenzene	119	13.071	13.077	-0.006	83	1124		0.005591	
143 n-Butylbenzene	92		13.095					ND	7
144 1,2-Dichlorobenzene	146		13.120					ND	7
147 Hexachloroethane	117		13.444					ND	
148 1,2-Dibromo-3-Chloropropane	155		13.675					ND	
149 1,3,5-Trichlorobenzene	180		13.803					ND	7
150 1,2,4-Trichlorobenzene	180		14.229					ND	7
151 Hexachlorobutadiene	225		14.321					ND	7
152 Naphthalene	128	14.412	14.412	0.000	97	4760		0.0279	
153 1,2,3-Trichlorobenzene	180	14.559	14.559	0.000	95	3073		0.0366	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	95	7540		0.0999	
155 Dodecane	57		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
156 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
157 tert-Butyl Formate	1		0.000					ND	
158 2-Bromo-1-chloropropane	1		0.000					ND	
159 1-Chloropropane	1		0.000					ND	
160 1,1-Dichloroacetone	1		0.000					ND	
161 Methylal	1		0.000					ND	
162 Propene oxide	1		0.000					ND	
163 t-Amyl alcohol	1		0.000					ND	
164 Ethanol	45		0.000					ND	
165 n-Decane	57		0.000					ND	
166 1-Bromo-3-Chloropropane	1		0.000					ND	
244 1,1-Dichloro-1-fluoroethane TIC1			0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 08-Jul-2024 16:29:59

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X05.D

Injection Date: 08-Jul-2024 12:46:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: MB

Worklist Smp#: 6

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

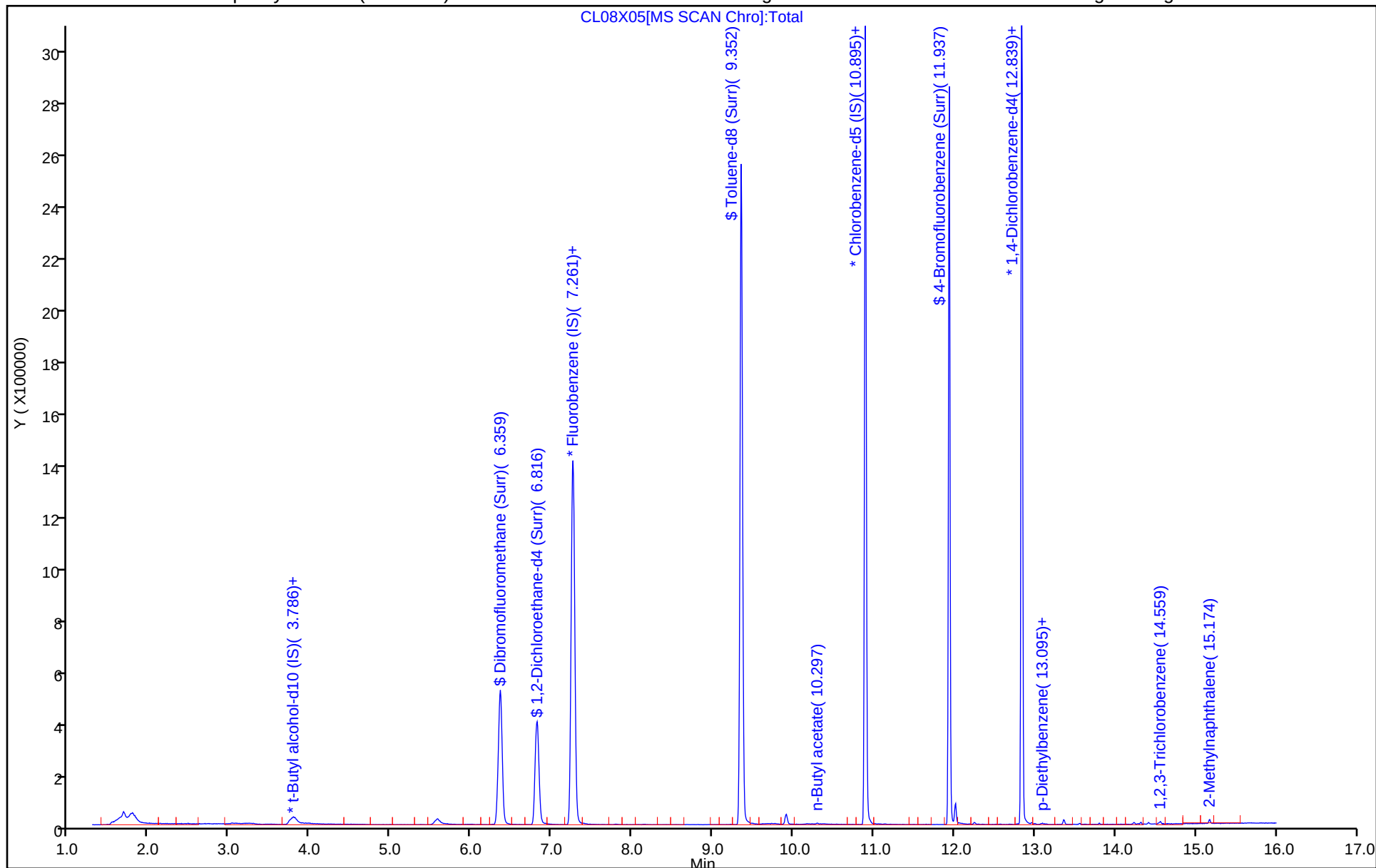
ALS Bottle#: 5

Method: MSV_10193_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\10193\20240708-118704.b\CL08X05.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 08-Jul-2024 12:46:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-006
Misc. Info.: MB
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 08-Jul-2024 16:29:26 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1657

First Level Reviewer: N7YK

Date: 08-Jul-2024 13:57:37

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.1	101.44
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.33
\$ 83 Toluene-d8 (Surr)	10.0	9.93	99.30
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.50	94.99

Eurofins Lancaster Laboratories Environment Testing, LLC

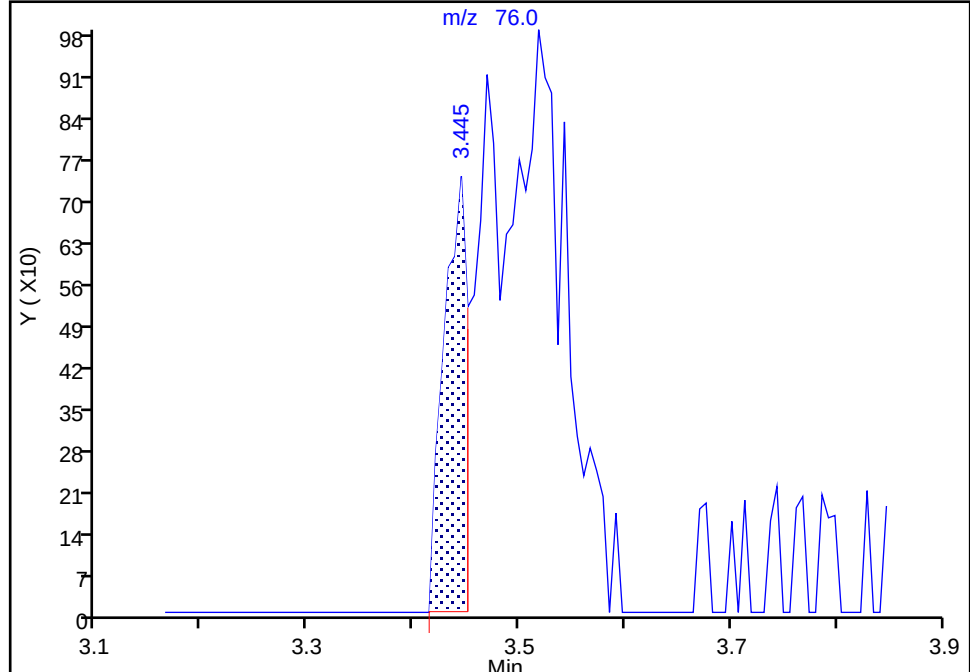
Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X05.D
Injection Date: 08-Jul-2024 12:46:30 Instrument ID: 10193
Lims ID: MB
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

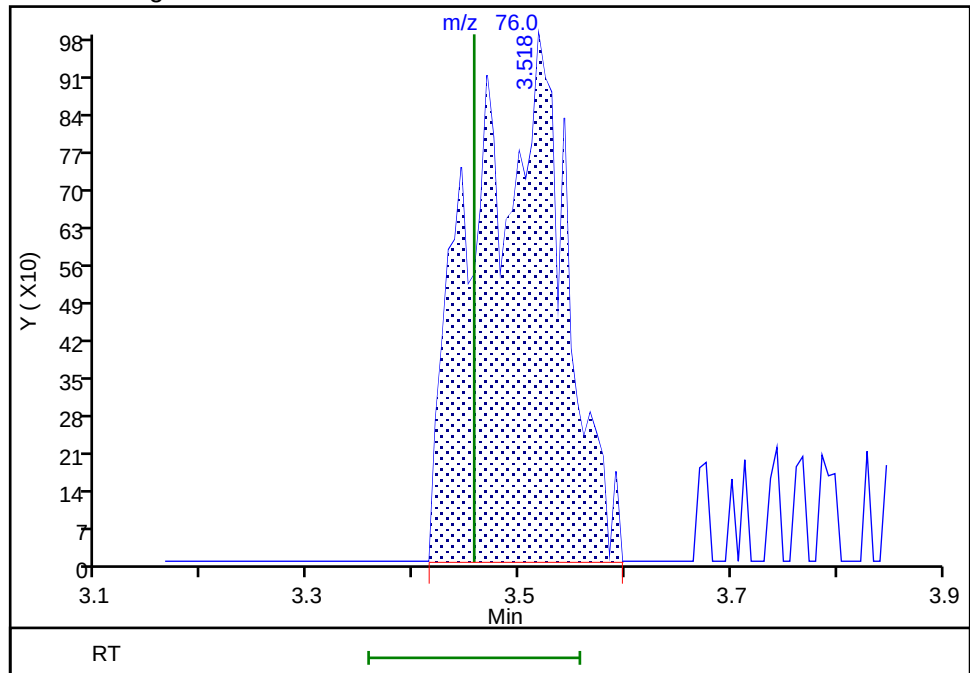
RT: 3.44
Area: 1141
Amount: 0.006829
Amount Units: ug/l

Processing Integration Results



RT: 3.52
Area: 5843
Amount: 0.034973
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 08-Jul-2024 14:17:51 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-526240/6

Matrix: Water

Lab File ID: GL09X35.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/09/2024 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.: 526240

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP29

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 410-526240/6

Matrix: Water Lab File ID: GL09X35.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 07/09/2024 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.: 526240 Units: ug/L

Preparation Batch No.: _____ Instrument ID: Agilent GC/MS - HP29

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		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\16334\20240709-118882.b\GL09X35.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 09-Jul-2024 22:12:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118882-006
 Misc. Info.: MB
 Operator ID: gaw91131 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 22:39:59 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1611

First Level Reviewer: JS6E

Date: 09-Jul-2024 22:39:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.818					ND	
2 Dichlorodifluoromethane	85		1.855					ND	
3 Chlorodifluoromethane	51		1.867					ND	7
4 Dimethyl ether	45		1.922					ND	7
5 Chloromethane	50		2.050					ND	
7 Butadiene	39		2.142					ND	7
6 Vinyl chloride	62		2.154					ND	7
8 2-Chloro-1,1,1-Trifluoroethane	118		2.215					ND	
9 Bromomethane	94		2.489					ND	
10 Chloroethane	64		2.532					ND	
11 Dichlorofluoromethane	67		2.794					ND	
12 Trichlorofluoromethane	101		2.849					ND	
13 Ethyl ether	59		3.032					ND	
16 1,2-Dichloro-1,1,2-trifluoroethane	67		3.135					ND	
17 Acrolein	56		3.190					ND	
14 Ethanol	45		3.190					ND	
18 1,1-Dichloroethene	96		3.318					ND	
19 Acetone	43		3.355					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.373					ND	
22 Iodomethane	142		3.501					ND	
23 Ethyl bromide	108		3.525					ND	
21 Isopropyl alcohol	45		3.525					ND	
24 Carbon disulfide	76	3.629	3.599	0.030	37	8112		0.0588	M
26 Acetonitrile	41		3.720					ND	
25 Methyl acetate	43		3.751					ND	
27 3-Chloro-1-propene	41		3.763					ND	
29 Methylene Chloride	84		3.940					ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.995	3.964	0.031	27	92014	50.0	50.0	
31 2-Methyl-2-propanol	59		4.080					ND	
32 Acrylonitrile	53		4.269					ND	
34 trans-1,2-Dichloroethene	96		4.324					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73		4.330					ND	
35 Hexane	57		4.757					ND	
37 1,1-Dichloroethane	63		4.989					ND	
36 Vinyl acetate	43		4.995					ND	
38 Isopropyl ether	45		5.068					ND	
39 2-Chloro-1,3-butadiene	53		5.098					ND	
40 Tert-butyl ethyl ether	59		5.604					ND	
41 2-Butanone (MEK)	43		5.824					ND	
42 cis-1,2-Dichloroethene	96		5.836					ND	
43 2,2-Dichloropropane	77		5.842					ND	
44 Ethyl acetate	43		5.891					ND	
45 Propionitrile	54		5.909					ND	
48 Methacrylonitrile	67		6.116					ND	
46 Methyl acrylate	55		6.141					ND	
S 47 1,2-Dichloroethene, Total	100		6.155					ND	7
49 Chlorobromomethane	128		6.165					ND	
50 Tetrahydrofuran	71		6.196					ND	
51 Chloroform	83		6.318					ND	
\$ 52 Dibromofluoromethane (Surr)	113	6.543	6.531	0.012	93	435878	10.0	10.1	
53 1,1,1-Trichloroethane	97		6.543					ND	
54 Cyclohexane	56		6.641					ND	
55 Carbon tetrachloride	117		6.757					ND	
56 1,1-Dichloropropene	75		6.757					ND	
57 1-Chlorobutane	56		6.940					ND	
58 Isobutyl alcohol	41		6.958					ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.994	6.988	0.006	66	84999	10.0	10.3	
60 Benzene	78		7.019					ND	
61 1,2-Dichloroethane	62		7.092					ND	
62 Isopropyl acetate	43		7.134					ND	
63 Tert-amyl methyl ether	73		7.226					ND	
* 64 Fluorobenzene (IS)	96	7.439	7.427	0.012	98	1868850	10.0	10.0	
65 n-Heptane	43		7.445					ND	
66 t-Amyl alcohol	73		7.842					ND	
67 n-Butanol	56		7.848					ND	
68 Trichloroethene	95		7.915					ND	
69 Methylcyclohexane	83		8.214					ND	
70 1,2-Dichloropropane	63		8.238					ND	
71 2-ethoxy-2-methyl butane	87		8.268					ND	
73 1,4-Dioxane	88		8.348					ND	
72 Methyl methacrylate	69		8.348					ND	
74 Dibromomethane	93		8.348					ND	
75 n-Propyl acetate	61		8.439					ND	
76 Dichlorobromomethane	83		8.592					ND	
77 2-Nitropropane	41		8.866					ND	
78 2-Chloroethyl vinyl ether	63		8.969					ND	
79 1-Bromo-2-chloroethane	63		8.982					ND	
81 cis-1,3-Dichloropropene	75		9.152					ND	
80 Chloroacetonitrile	75		9.189					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.341					ND	
\$ 83 Toluene-d8 (Surr)	98	9.476	9.469	0.007	94	1815157	10.0	9.95	
84 Toluene	92		9.549					ND	
85 trans-1,3-Dichloropropene	75		9.823					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 Ethyl methacrylate	69		9.896					ND	
107 1,1,2-Trichloroethane	97		10.024					ND	
S 106 1,3-Dichloropropene, Total	100		10.060					ND	7
108 Tetrachloroethene	166		10.116					ND	
109 1,3-Dichloropropane	76		10.189					ND	
110 2-Hexanone	43		10.256					ND	
111 n-Butyl acetate	43		10.390					ND	
112 Chlorodibromomethane	129		10.408					ND	
113 Ethylene Dibromide	107		10.518					ND	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.957	0.006	87	1326876	10.0	10.0	
115 1-Chlorohexane	91		10.975					ND	7
116 Chlorobenzene	112		10.987					ND	
117 1,1,1,2-Tetrachloroethane	131		11.067					ND	
118 Ethylbenzene	91		11.073					ND	
120 m-Xylene & p-Xylene	106		11.195					ND	
S 119 Xylenes, Total	106		11.245					ND	7
121 o-Xylene	106		11.524					ND	
122 Styrene	104		11.536					ND	
123 Bromoform	173		11.695					ND	
124 Isopropylbenzene	105		11.823					ND	
125 cis-1,4-Dichloro-2-butene	88		11.877					ND	
126 Cyclohexanone	55		11.908					ND	U
\$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	90	591776	10.0	9.06	
128 1,1,2,2-Tetrachloroethane	83		12.073					ND	
129 Bromobenzene	156		12.085					ND	
130 trans-1,4-Dichloro-2-butene	53		12.097					ND	
131 1,2,3-Trichloropropane	110		12.115					ND	
132 N-Propylbenzene	91		12.152					ND	
133 2-Chlorotoluene	126		12.231					ND	
134 1,3,5-Trimethylbenzene	105		12.292					ND	
135 4-Chlorotoluene	126		12.323					ND	
136 tert-Butylbenzene	134		12.530					ND	
137 Pentachloroethane	167		12.560					ND	
138 1,2,4-Trimethylbenzene	105		12.573					ND	
139 sec-Butylbenzene	105		12.694					ND	
140 1,3-Dichlorobenzene	146		12.792					ND	
141 4-Isopropyltoluene	119		12.804					ND	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	676577	10.0	10.0	
143 1,4-Dichlorobenzene	146		12.865					ND	7
144 1,2,3-Trimethylbenzene	120		12.877					ND	7
145 Benzyl chloride	126		12.944					ND	
146 p-Diethylbenzene	119		13.005					ND	
147 n-Butylbenzene	92		13.091					ND	
148 1,2-Dichlorobenzene	146		13.121					ND	
149 Hexachloroethane	201		13.499					ND	
150 1,2-Dibromo-3-Chloropropane	155		13.664					ND	
151 1,3,5-Trichlorobenzene	180		13.792					ND	
152 1,2,4-Trichlorobenzene	180		14.206					ND	
153 Hexachlorobutadiene	225		14.292					ND	
154 Naphthalene	128		14.383					ND	
155 1,2,3-Trichlorobenzene	180		14.529					ND	
156 2-Methylnaphthalene	142		15.133					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
157 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
158 1-Chloropropane	1		0.000					ND	
159 1-Bromo-3-Chloropropane	1		0.000					ND	
160 Propene oxide	1		0.000					ND	
161 n-Decane	57		0.000					ND	
162 Methylal	1		0.000					ND	
163 tert-Butyl Formate	1		0.000					ND	
164 1,1-Dichloroacetone	1		0.000					ND	
165 Dodecane	57		0.000					ND	
166 2-Bromo-1-chloropropane	1		0.000					ND	
209 1,1-Dichloro-1-fluoroethane TIC1			0.000					ND	
167 Pentane	43	2.806	2.837	-0.031	7	193			NR

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 09-Jul-2024 22:40:23

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X35.D

Injection Date: 09-Jul-2024 22:12:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: MB

Worklist Smp#: 6

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

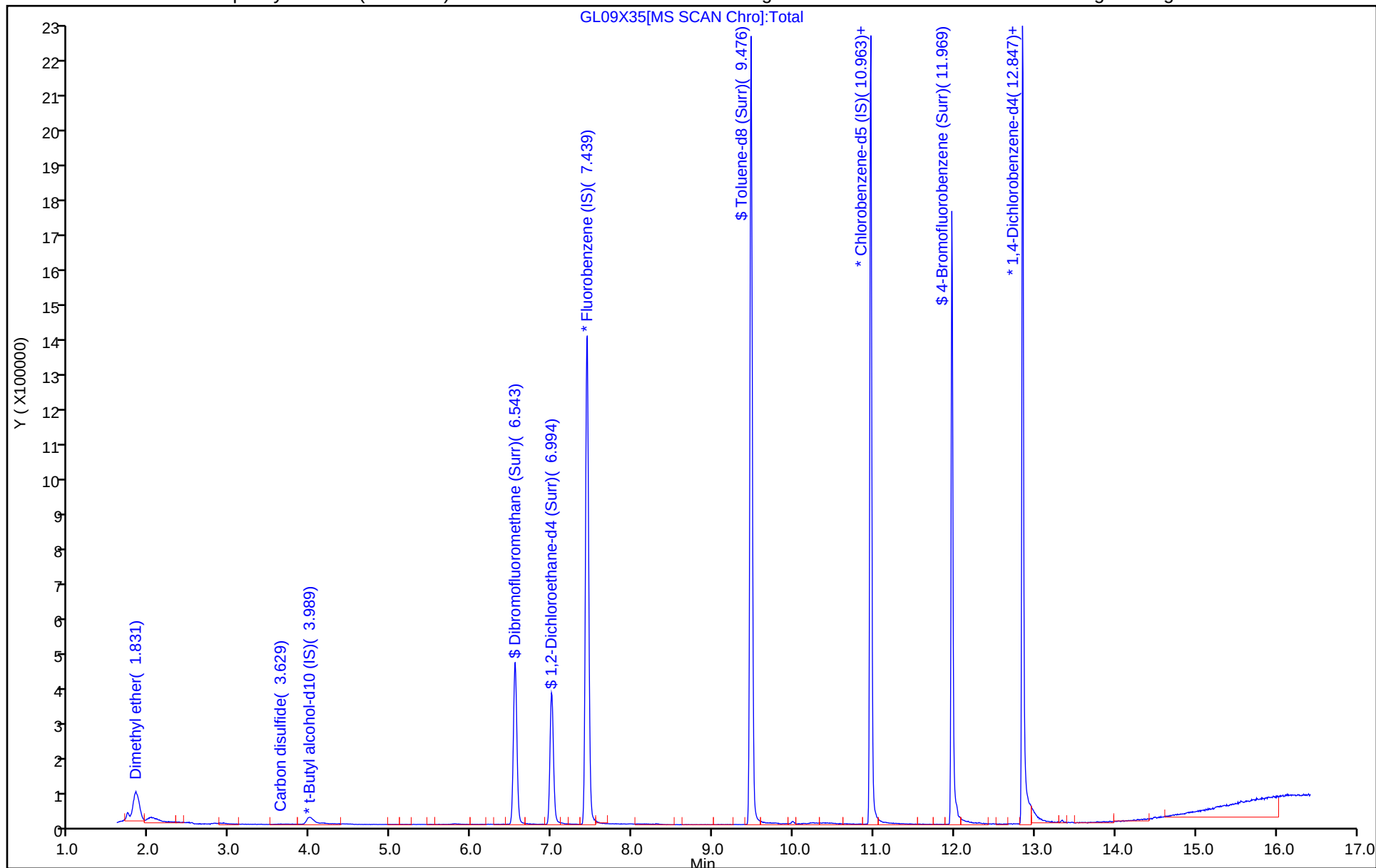
ALS Bottle#: 5

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X35.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 09-Jul-2024 22:12:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118882-006
Misc. Info.: MB
Operator ID: gaw91131 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 22:39:59 Calib Date: 15-Jun-2024 00:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1611

First Level Reviewer: JS6E

Date: 09-Jul-2024 22:39:38

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.1	101.27
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	103.30
\$ 83 Toluene-d8 (Surr)	10.0	9.95	99.53
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.06	90.59

Eurofins Lancaster Laboratories Environment Testing, LLC

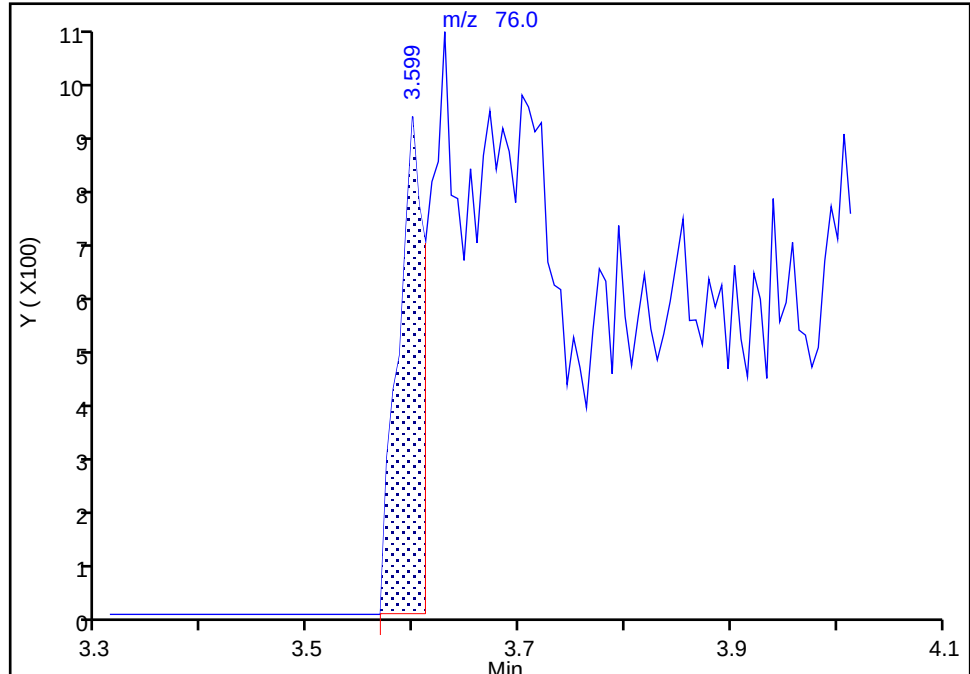
Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X35.D
Injection Date: 09-Jul-2024 22:12:30 Instrument ID: 16334
Lims ID: MB
Client ID:
Operator ID: gaw91131 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

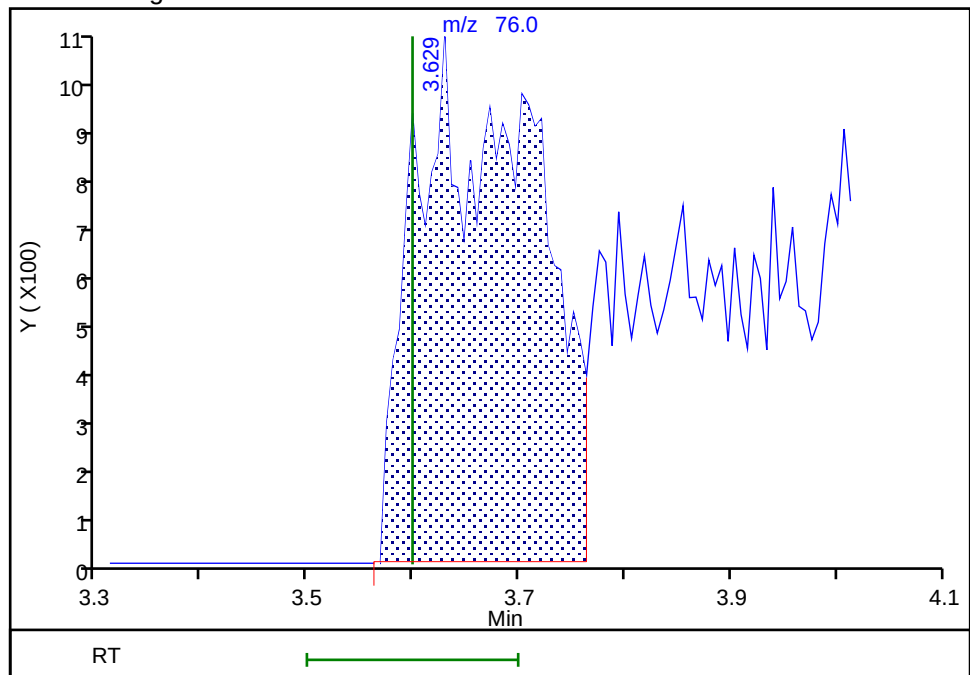
RT: 3.60
Area: 1503
Amount: 0.010886
Amount Units: ug/l

Processing Integration Results



RT: 3.63
Area: 8112
Amount: 0.058755
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 09-Jul-2024 22:39:04 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-523863/4

Matrix: Water

Lab File ID: CL02X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2024 11:23

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.: 523863

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.85		0.50	0.070
71-55-6	1,1,1-Trichloroethane	4.68		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.88		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.93		0.50	0.080
75-34-3	1,1-Dichloroethane	4.72		0.50	0.10
75-35-4	1,1-Dichloroethene	4.79		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	4.88		0.50	0.080
107-06-2	1,2-Dichloroethane	4.94		0.50	0.070
78-87-5	1,2-Dichloropropane	4.88		0.50	0.10
78-93-3	2-Butanone (MEK)	68.1		5.0	1.0
591-78-6	2-Hexanone	67.6		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	67.5		5.0	1.0
67-64-1	Acetone	63.7		5.0	1.5
71-43-2	Benzene	4.73		0.50	0.10
74-97-5	Bromochloromethane	5.07		0.50	0.080
75-27-4	Bromodichloromethane	4.78		0.50	0.080
75-25-2	Bromoform	4.58		1.0	0.30
74-83-9	Bromomethane	4.81		0.50	0.10
75-15-0	Carbon disulfide	4.41		1.0	0.10
56-23-5	Carbon tetrachloride	4.60		0.50	0.10
108-90-7	Chlorobenzene	4.85		0.50	0.070
75-00-3	Chloroethane	4.72		0.50	0.10
67-66-3	Chloroform	4.57		0.50	0.090
74-87-3	Chloromethane	4.59		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	4.72		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.52		0.50	0.10
124-48-1	Dibromochloromethane	4.90		0.50	0.080
100-41-4	Ethylbenzene	4.68		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.54		0.50	0.080
75-09-2	Methylene Chloride	4.62		0.50	0.20
100-42-5	Styrene	4.83		0.50	0.070
127-18-4	Tetrachloroethene	4.76		0.50	0.20

FORM I

GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No. :

Client Sample ID:

Lab Sample ID: LCS 410-523863/4

Matrix: Water

Lab File ID: CL02X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2024 11:23

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

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 523863

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	4.74		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	4.60		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.67		0.50	0.080
79-01-6	Trichloroethene	4.57		0.50	0.080
75-01-4	Vinyl chloride	4.57		0.50	0.10
1330-20-7	Xylenes, Total	14.1		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\CL02X03.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 02-Jul-2024 11:23:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118306-004
 Misc. Info.: LCS
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 02-Jul-2024 14:16:15 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1629

First Level Reviewer: N7YK

Date: 02-Jul-2024 12:09:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.793	0.006	99	334575	5.00	4.27	
5 Chloromethane	50	1.988	1.982	0.006	99	406069	5.00	4.59	
6 Vinyl chloride	62	2.085	2.079	0.006	98	397313	5.00	4.57	
7 Butadiene	39	2.116	2.110	0.006	91	392839	5.00	4.22	
9 Bromomethane	94	2.396	2.396	0.000	90	294299	5.00	4.81	
10 Chloroethane	64	2.445	2.439	0.006	100	235137	5.00	4.72	
11 Dichlorofluoromethane	67	2.689	2.683	0.006	97	560179	5.00	4.34	
13 Pentane	43	2.732	2.725	0.007	98	365231	5.00	4.23	
12 Trichlorofluoromethane	101	2.738	2.732	0.006	97	465515	5.00	4.60	
14 Ethyl ether	59	2.921	2.908	0.013	89	167164	4.98	3.66	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.024	3.012	0.012	91	352368	5.00	4.73	
17 Acrolein	56	3.073	3.061	0.012	99	221485	37.6	32.9	
18 1,1-Dichloroethene	96	3.195	3.189	0.006	98	258052	5.00	4.79	
20 Acetone	43	3.219	3.213	0.006	100	550889	62.5	63.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.244	3.231	0.013	90	220429	5.00	3.97	
24 Isopropyl alcohol	45	3.360	3.360	0.000	33	65331	37.5	36.7	
22 Iodomethane	142	3.366	3.360	0.006	98	489444	5.00	4.36	
23 Ethyl bromide	108	3.390	3.384	0.006	98	209381	4.72	4.27	
25 Carbon disulfide	76	3.457	3.451	0.006	99	772045	5.00	4.41	M
26 Methyl acetate	43	3.591	3.573	0.018	95	140217	5.00	5.64	
29 3-Chloro-1-propene	41	3.616	3.603	0.013	93	386810	5.00	4.32	
30 Methylene Chloride	84	3.780	3.774	0.006	91	296702	5.00	4.62	
* 31 t-Butyl alcohol-d10 (IS)	65	3.786	3.774	0.012	96	174489	50.0	50.0	
32 2-Methyl-2-propanol	59	3.902	3.890	0.012	99	146609	50.0	43.5	
33 Acrylonitrile	53	4.085	4.079	0.006	99	320525	25.0	25.4	
34 Methyl tert-butyl ether	73	4.140	4.134	0.006	97	747992	5.00	4.54	
35 trans-1,2-Dichloroethene	96	4.146	4.134	0.012	100	296302	5.00	4.60	
36 Hexane	57	4.554	4.548	0.006	92	331892	5.00	3.97	
37 1,1-Dichloroethane	63	4.798	4.792	0.006	96	522252	5.00	4.72	
39 Isopropyl ether	45	4.865	4.865	0.000	94	898315	5.00	4.56	
40 2-Chloro-1,3-butadiene	53	4.908	4.902	0.006	92	396720	5.00	4.33	

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	5.408	5.402	0.006	97	883406	5.00	4.58	
42 2-Butanone (MEK)	43	5.609	5.609	0.000	99	1082209	62.5	68.1	
43 cis-1,2-Dichloroethene	96	5.646	5.646	0.000	80	341335	5.00	4.72	
44 2,2-Dichloropropane	77	5.664	5.658	0.006	87	415828	5.00	4.54	
45 Propionitrile	54	5.707	5.707	0.000	98	182794	37.5	42.7	
47 Methacrylonitrile	67	5.926	5.926	0.000	94	643019	37.5	41.0	
48 Chlorobromomethane	128	5.981	5.975	0.006	91	169264	5.00	5.07	
49 Tetrahydrofuran	71	5.981	5.981	0.000	78	127601	25.0	25.7	
50 Chloroform	83	6.140	6.139	0.001	93	534892	5.00	4.57	
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	94	576252	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.365	6.365	0.000	97	457938	5.00	4.68	
55 Cyclohexane	56	6.463	6.456	0.007	89	418820	5.00	4.02	
56 Carbon tetrachloride	117	6.572	6.572	0.000	96	407664	5.00	4.60	
57 1,1-Dichloropropene	75	6.578	6.578	0.000	96	402300	5.00	4.60	
58 Isobutyl alcohol	41	6.774	6.767	0.007	96	164843	125.0	136.2	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.816	0.000	98	119164	10.0	10.2	
60 Benzene	78	6.847	6.841	0.006	97	1243369	5.00	4.73	
61 1,2-Dichloroethane	62	6.920	6.920	0.000	97	331486	5.00	4.94	
64 Tert-amyl methyl ether	73	7.054	7.048	0.006	99	820601	5.00	4.57	
* 65 Fluorobenzene (IS)	96	7.267	7.261	0.006	99	2356952	10.0	10.0	
66 n-Heptane	43	7.280	7.279	0.001	91	382144	5.00	4.41	
67 n-Butanol	56	7.676	7.676	0.000	88	330069	250.0	296.7	
68 Trichloroethene	95	7.755	7.749	0.006	96	330831	5.00	4.57	
69 Methylcyclohexane	83	8.060	8.060	0.000	89	473997	5.00	4.09	
70 1,2-Dichloropropane	63	8.090	8.090	0.000	97	328042	5.00	4.88	
71 2-ethoxy-2-methyl butane	87	8.115	8.115	0.000	94	476333	5.00	4.35	
74 1,4-Dioxane	88	8.194	8.188	0.006	31	38334	125.0	175.6	M
73 Methyl methacrylate	69	8.194	8.194	0.000	91	164386	5.00	4.99	
72 Dibromomethane	93	8.200	8.200	0.000	91	167478	5.00	4.89	
76 Dichlorobromomethane	83	8.450	8.450	0.000	100	388065	5.00	4.78	
77 2-Nitropropane	41	8.737	8.737	0.001	99	40471	5.00	4.56	
78 1-Bromo-2-chloroethane	63	8.846	8.846	0.000	98	353298	5.00	5.37	
80 cis-1,3-Dichloropropene	75	9.023	9.023	0.000	97	474945	5.00	4.52	
82 4-Methyl-2-pentanone (MIBK)	43	9.224	9.224	0.000	96	2739250	62.5	67.5	
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2368122	10.0	10.1	
84 Toluene	92	9.438	9.438	0.000	98	828339	5.00	4.74	
85 trans-1,3-Dichloropropene	75	9.724	9.724	0.000	91	415544	5.00	4.67	
86 Ethyl methacrylate	69	9.803	9.797	0.006	89	343579	5.00	4.51	
87 1,1,2-Trichloroethane	97	9.938	9.937	0.001	90	248983	5.00	4.93	
88 Tetrachloroethene	166	10.017	10.017	0.000	97	412496	5.00	4.76	
89 1,3-Dichloropropane	76	10.108	10.108	0.000	89	415223	5.00	4.94	
106 2-Hexanone	43	10.181	10.175	0.006	95	1993771	62.5	67.6	
108 Chlorodibromomethane	129	10.328	10.328	0.000	89	318424	5.00	4.90	
110 Ethylene Dibromide	107	10.437	10.437	0.000	99	244451	5.00	4.88	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	84	1838921	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	98	419828	5.00	4.10	
113 Chlorobenzene	112	10.925	10.925	0.000	98	1012930	5.00	4.85	
114 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	97	357257	5.00	4.85	
115 Ethylbenzene	91	11.017	11.023	-0.006	97	1606427	5.00	4.68	
116 m-Xylene & p-Xylene	106	11.139	11.138	0.001	97	1328515	10.0	9.46	
118 o-Xylene	106	11.480	11.480	0.000	96	647728	5.00	4.68	
119 Styrene	104	11.498	11.498	0.000	95	1108774	5.00	4.83	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 Bromoform	173	11.651	11.651	0.000	98	191539	5.00	4.58	
121 Isopropylbenzene	105	11.791	11.791	0.000	95	1659947	5.00	5.05	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	95	867508	10.0	9.79	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	71	312028	5.00	4.88	
125 Bromobenzene	156	12.053	12.053	0.000	87	457037	5.00	4.74	
127 trans-1,4-Dichloro-2-butene	53	12.077	12.077	0.000	90	340789	25.0	22.7	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	82	89323	5.00	5.03	
129 N-Propylbenzene	91	12.132	12.132	0.000	98	1958197	5.00	4.73	
130 2-Chlorotoluene	126	12.205	12.205	0.000	98	431413	5.00	4.64	
131 1,3,5-Trimethylbenzene	105	12.272	12.272	0.000	94	1434771	5.00	4.64	
132 4-Chlorotoluene	126	12.303	12.303	0.000	96	450522	5.00	4.65	
133 tert-Butylbenzene	134	12.516	12.522	-0.006	92	339426	5.00	4.56	
134 Pentachloroethane	167	12.547	12.547	0.000	91	265473	5.00	4.76	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	97	1489214	5.00	4.66	
136 sec-Butylbenzene	105	12.687	12.687	0.000	93	1842695	5.00	4.62	
137 1,3-Dichlorobenzene	146	12.785	12.785	0.001	98	902054	5.00	4.74	
138 4-Isopropyltoluene	119	12.797	12.803	-0.006	97	1649128	5.00	4.60	
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	93	1095323	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.858	12.858	0.000	96	928672	5.00	4.77	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	97	674845	5.00	4.58	
142 Benzyl chloride	126	12.943	12.943	0.000	98	131860	5.00	4.50	
145 p-Diethylbenzene	119	13.077	13.077	0.000	94	1057177	5.00	4.73	
143 n-Butylbenzene	92	13.095	13.095	0.000	97	810284	5.00	4.70	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	850647	5.00	4.89	
148 1,2-Dibromo-3-Chloropropane	155	13.675	13.675	0.000	90	48490	5.00	4.58	
149 1,3,5-Trichlorobenzene	180	13.803	13.803	0.000	98	694382	5.00	4.70	
150 1,2,4-Trichlorobenzene	180	14.236	14.235	0.001	94	587506	5.00	4.91	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	96	297093	5.00	4.81	
152 Naphthalene	128	14.412	14.412	0.000	96	938104	5.00	4.95	
153 1,2,3-Trichlorobenzene	180	14.559	14.559	0.000	96	463027	5.00	4.96	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	93	396750	5.00	4.73	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00174	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00204	Amount Added: 12.50	Units: uL	
MSV_LCS_ACROL_00177	Amount Added: 12.50	Units: uL	
MSV_LCS_EE_00009	Amount Added: 12.50	Units: uL	
LCS_ETBR_00008	Amount Added: 12.50	Units: uL	
MSV_LCS_Penta_00043	Amount Added: 12.50	Units: uL	
MSV_HP25_ISSS_00091	Amount Added: 1.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\CL02X03.D

Injection Date: 02-Jul-2024 11:23:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

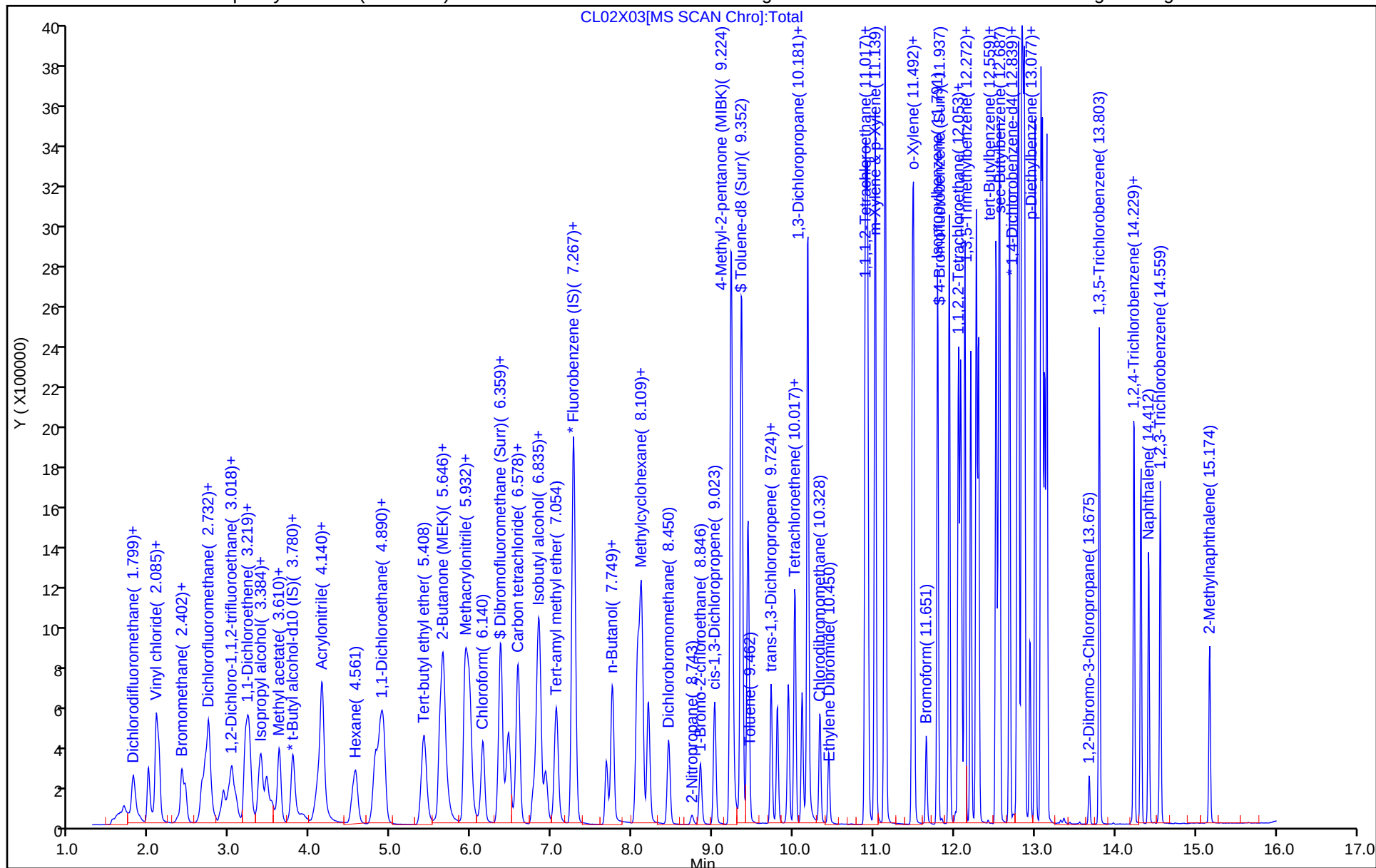
ALS Bottle#: 3

Method: MSV_10193_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\10193\20240702-118306.b\CL02X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 02-Jul-2024 11:23:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118306-004
Misc. Info.: LCS
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 02-Jul-2024 14:16:15 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1629

First Level Reviewer: N7YK

Date: 02-Jul-2024 12:09:17

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.1	100.96
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	102.05
\$ 83 Toluene-d8 (Surr)	10.0	10.1	100.51
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.79	97.94

Eurofins Lancaster Laboratories Environment Testing, LLC

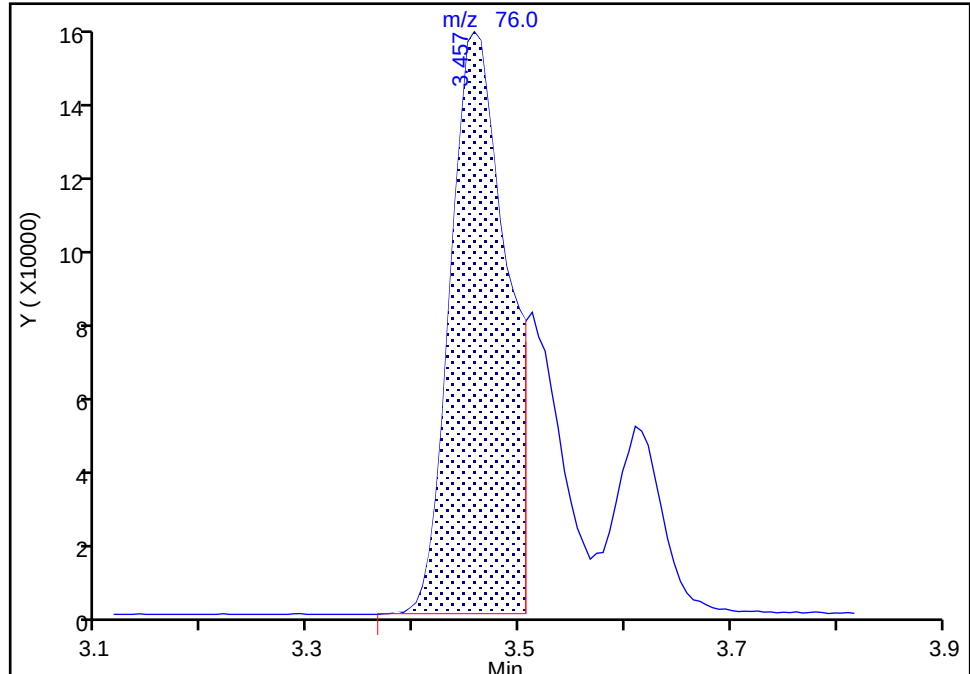
Data File: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\CL02X03.D
Injection Date: 02-Jul-2024 11:23:30 Instrument ID: 10193
Lims ID: LCS
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

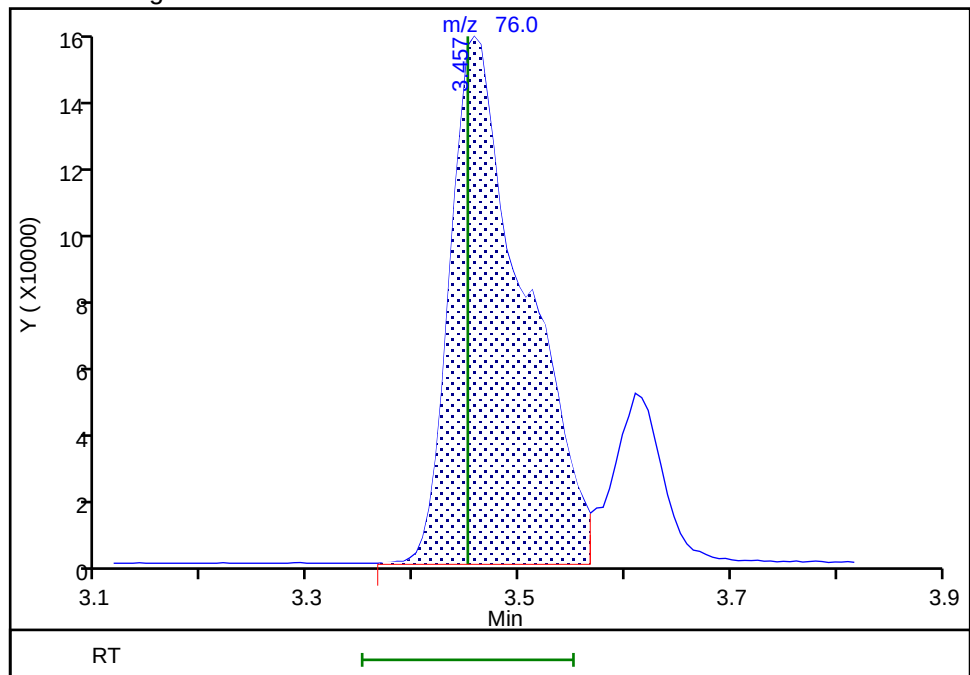
RT: 3.46
Area: 600670
Amount: 3.431796
Amount Units: ug/l

Processing Integration Results



RT: 3.46
Area: 772045
Amount: 4.410909
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 02-Jul-2024 12:05:42 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-525536/4

Matrix: Water

Lab File ID: CL08X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 12:01

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.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.01		0.50	0.070
71-55-6	1,1,1-Trichloroethane	4.92		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.84		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.06		0.50	0.080
75-34-3	1,1-Dichloroethane	5.00		0.50	0.10
75-35-4	1,1-Dichloroethene	5.04		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.08		0.50	0.080
107-06-2	1,2-Dichloroethane	5.11		0.50	0.070
78-87-5	1,2-Dichloropropane	5.05		0.50	0.10
78-93-3	2-Butanone (MEK)	69.3		5.0	1.0
591-78-6	2-Hexanone	68.4		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	68.0		5.0	1.0
67-64-1	Acetone	63.8		5.0	1.5
71-43-2	Benzene	4.97		0.50	0.10
74-97-5	Bromochloromethane	5.18		0.50	0.080
75-27-4	Bromodichloromethane	5.04		0.50	0.080
75-25-2	Bromoform	4.75		1.0	0.30
74-83-9	Bromomethane	4.43		0.50	0.10
75-15-0	Carbon disulfide	4.87		1.0	0.10
56-23-5	Carbon tetrachloride	4.87		0.50	0.10
108-90-7	Chlorobenzene	5.06		0.50	0.070
75-00-3	Chloroethane	4.49		0.50	0.10
67-66-3	Chloroform	4.79		0.50	0.090
74-87-3	Chloromethane	4.51		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.03		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.68		0.50	0.10
124-48-1	Dibromochloromethane	5.07		0.50	0.080
100-41-4	Ethylbenzene	4.96		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.77		0.50	0.080
75-09-2	Methylene Chloride	4.85		0.50	0.20
100-42-5	Styrene	5.00		0.50	0.070
127-18-4	Tetrachloroethene	4.93		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 410-525536/4

Matrix: Water Lab File ID: CL08X03.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 07/08/2024 12:01

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.: 525536 Units: ug/L

Preparation Batch No.: _____ Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	5.00		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	4.91		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.88		0.50	0.080
79-01-6	Trichloroethene	4.78		0.50	0.080
75-01-4	Vinyl chloride	4.22		0.50	0.10
1330-20-7	Xylenes, Total	14.8		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X03.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 08-Jul-2024 12:01:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-004
 Misc. Info.: LCS
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 08-Jul-2024 16:29:26 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: N7YK

Date: 08-Jul-2024 12:31:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.805	1.799	0.006	99	305690	5.00	3.95	
5 Chloromethane	50	1.994	1.988	0.006	99	394430	5.00	4.51	
6 Vinyl chloride	62	2.092	2.085	0.007	98	363534	5.00	4.22	
7 Butadiene	39	2.122	2.116	0.006	91	423860	5.00	4.61	
9 Bromomethane	94	2.409	2.402	0.007	91	268265	5.00	4.43	
10 Chloroethane	64	2.451	2.445	0.006	100	221541	5.00	4.49	
11 Dichlorofluoromethane	67	2.701	2.695	0.006	97	521055	5.00	4.08	
13 Pentane	43	2.738	2.732	0.006	98	411990	5.00	4.82	
12 Trichlorofluoromethane	101	2.744	2.738	0.006	98	418953	5.00	4.18	
14 Ethyl ether	59	2.921	2.914	0.007	92	258055	4.98	5.70	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.024	3.012	0.012	91	332088	5.00	4.50	
17 Acrolein	56	3.073	3.073	0.000	100	210914	37.6	32.0	
18 1,1-Dichloroethene	96	3.201	3.189	0.012	98	269066	5.00	5.04	
20 Acetone	43	3.226	3.213	0.013	99	541078	62.5	63.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.244	3.244	0.000	90	237677	5.00	4.33	
24 Isopropyl alcohol	45	3.347	3.359	-0.012	96	66029	37.5	37.8	
22 Iodomethane	142	3.378	3.366	0.012	98	527610	5.00	4.75	
23 Ethyl bromide	108	3.396	3.390	0.006	98	216044	4.72	4.45	
25 Carbon disulfide	76	3.463	3.457	0.006	99	843327	5.00	4.87	M
26 Methyl acetate	43	3.591	3.591	0.000	97	145684	5.00	5.98	
29 3-Chloro-1-propene	41	3.616	3.609	0.007	91	404430	5.00	4.56	
30 Methylene Chloride	84	3.786	3.780	0.006	90	308148	5.00	4.85	
* 31 t-Butyl alcohol-d10 (IS)	65	3.799	3.798	0.001	38	171120	50.0	50.0	
32 2-Methyl-2-propanol	59	3.902	3.902	0.000	100	159822	50.0	48.3	
33 Acrylonitrile	53	4.097	4.091	0.006	99	325211	25.0	26.2	
34 Methyl tert-butyl ether	73	4.140	4.140	0.000	95	776279	5.00	4.77	
35 trans-1,2-Dichloroethene	96	4.152	4.146	0.006	99	312784	5.00	4.91	
36 Hexane	57	4.567	4.554	0.013	92	368528	5.00	4.46	
37 1,1-Dichloroethane	63	4.805	4.798	0.007	96	546680	5.00	5.00	
39 Isopropyl ether	45	4.878	4.865	0.013	93	931906	5.00	4.78	
40 2-Chloro-1,3-butadiene	53	4.914	4.908	0.006	89	420050	5.00	4.63	

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	5.414	5.408	0.006	97	901464	5.00	4.72	
42 2-Butanone (MEK)	43	5.609	5.609	0.000	99	1079422	62.5	69.3	
43 cis-1,2-Dichloroethene	96	5.652	5.646	0.006	80	360058	5.00	5.03	
44 2,2-Dichloropropane	77	5.664	5.664	0.000	90	434064	5.00	4.79	
45 Propionitrile	54	5.719	5.707	0.012	98	191966	37.5	45.7	
47 Methacrylonitrile	67	5.932	5.926	0.006	93	646147	37.5	42.0	
49 Tetrahydrofuran	71	5.975	5.981	-0.006	83	125305	25.0	25.8	
48 Chlorobromomethane	128	5.981	5.981	0.000	90	171208	5.00	5.18	
50 Chloroform	83	6.146	6.139	0.007	93	554520	5.00	4.79	
\$ 54 Dibromofluoromethane (Surr)	113	6.365	6.359	0.006	94	569155	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.371	6.365	0.006	98	476117	5.00	4.92	
55 Cyclohexane	56	6.463	6.463	0.000	92	451972	5.00	4.38	
56 Carbon tetrachloride	117	6.579	6.572	0.007	96	427208	5.00	4.87	
57 1,1-Dichloropropene	75	6.579	6.578	0.001	97	423246	5.00	4.89	
58 Isobutyl alcohol	41	6.774	6.767	0.007	92	161301	125.0	135.9	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.822	6.816	0.006	99	120370	10.0	10.4	
60 Benzene	78	6.847	6.847	0.000	97	1292057	5.00	4.97	
61 1,2-Dichloroethane	62	6.926	6.920	0.006	97	339297	5.00	5.11	
64 Tert-amyl methyl ether	73	7.054	7.054	0.000	99	841806	5.00	4.74	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2332092	10.0	10.0	
66 n-Heptane	43	7.286	7.279	0.007	92	403703	5.00	4.71	
67 n-Butanol	56	7.682	7.676	0.006	89	313344	250.0	287.2	
68 Trichloroethene	95	7.749	7.749	0.000	96	342484	5.00	4.78	
69 Methylcyclohexane	83	8.060	8.060	0.000	89	505253	5.00	4.40	
70 1,2-Dichloropropane	63	8.090	8.090	0.000	97	336236	5.00	5.05	
71 2-ethoxy-2-methyl butane	87	8.121	8.115	0.006	94	493763	5.00	4.56	
74 1,4-Dioxane	88	8.182	8.188	-0.006	31	39053	125.0	182.4	M
73 Methyl methacrylate	69	8.194	8.194	0.000	91	166634	5.00	5.16	
72 Dibromomethane	93	8.200	8.200	0.000	93	171658	5.00	5.06	
76 Dichlorobromomethane	83	8.450	8.450	0.000	99	405037	5.00	5.04	
77 2-Nitropropane	41	8.743	8.736	0.007	99	39933	5.00	4.59	
78 1-Bromo-2-chloroethane	63	8.846	8.846	0.000	98	341752	5.00	5.25	
80 cis-1,3-Dichloropropene	75	9.023	9.023	0.000	97	487113	5.00	4.68	
82 4-Methyl-2-pentanone (MIBK)	43	9.224	9.224	0.000	96	2709729	62.5	68.0	
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2354214	10.0	10.1	
84 Toluene	92	9.438	9.438	0.000	98	866995	5.00	5.00	
85 trans-1,3-Dichloropropene	75	9.724	9.724	0.000	91	431689	5.00	4.88	
86 Ethyl methacrylate	69	9.804	9.797	0.007	89	349569	5.00	4.62	
87 1,1,2-Trichloroethane	97	9.938	9.937	0.001	90	253900	5.00	5.06	
88 Tetrachloroethene	166	10.017	10.017	0.000	97	424945	5.00	4.93	
89 1,3-Dichloropropane	76	10.108	10.108	0.000	89	422272	5.00	5.06	
106 2-Hexanone	43	10.175	10.175	0.000	96	1980564	62.5	68.4	
108 Chlorodibromomethane	129	10.328	10.328	0.000	90	327183	5.00	5.07	
110 Ethylene Dibromide	107	10.438	10.437	0.001	98	252799	5.00	5.08	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	85	1827077	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	97	444999	5.00	4.38	
113 Chlorobenzene	112	10.925	10.925	0.000	97	1049607	5.00	5.06	
114 1,1,1,2-Tetrachloroethane	131	11.011	11.010	0.001	97	366304	5.00	5.01	
115 Ethylbenzene	91	11.017	11.017	0.000	98	1691307	5.00	4.96	
116 m-Xylene & p-Xylene	106	11.139	11.138	0.001	97	1376827	10.0	9.87	
118 o-Xylene	106	11.480	11.480	0.000	95	677940	5.00	4.93	
119 Styrene	104	11.498	11.498	0.000	95	1139597	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
120 Bromoform	173	11.651	11.651	0.000	98	197546	5.00	4.75	
121 Isopropylbenzene	105	11.791	11.791	0.000	95	1707636	5.00	5.23	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	95	869253	10.0	9.88	
126 1,1,2,2-Tetrachloroethane	83	12.047	12.053	-0.006	85	307968	5.00	4.84	
125 Bromobenzene	156	12.053	12.053	0.000	86	469093	5.00	4.89	
127 trans-1,4-Dichloro-2-butene	53	12.077	12.077	0.000	91	274649	25.0	18.4	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	83	86657	5.00	4.90	
129 N-Propylbenzene	91	12.132	12.132	0.000	98	2014971	5.00	4.89	
130 2-Chlorotoluene	126	12.206	12.205	0.001	98	438912	5.00	4.75	
131 1,3,5-Trimethylbenzene	105	12.273	12.272	0.001	95	1480328	5.00	4.81	
132 4-Chlorotoluene	126	12.303	12.303	0.000	96	468383	5.00	4.86	
133 tert-Butylbenzene	134	12.516	12.522	-0.006	92	353552	5.00	4.78	
134 Pentachloroethane	167	12.547	12.547	0.000	93	273971	5.00	4.94	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	96	1535349	5.00	4.83	
136 sec-Butylbenzene	105	12.687	12.687	0.000	93	1914450	5.00	4.82	
137 1,3-Dichlorobenzene	146	12.785	12.784	0.001	98	920592	5.00	4.86	
138 4-Isopropyltoluene	119	12.797	12.797	0.000	97	1693903	5.00	4.74	
* 139 1,4-Dichlorobenzene-d4	152	12.840	12.839	0.001	92	1090017	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.858	12.858	0.000	96	932247	5.00	4.81	
141 1,2,3-Trimethylbenzene	120	12.870	12.876	-0.006	98	683851	5.00	4.66	
142 Benzyl chloride	126	12.943	12.943	0.000	98	129012	5.00	4.42	
145 p-Diethylbenzene	119	13.077	13.077	0.000	94	1072258	5.00	4.82	
143 n-Butylbenzene	92	13.096	13.095	0.001	97	828917	5.00	4.84	
144 1,2-Dichlorobenzene	146	13.120	13.120	0.000	99	848355	5.00	4.90	
148 1,2-Dibromo-3-Chloropropane	155	13.675	13.675	0.000	88	46115	5.00	4.38	
149 1,3,5-Trichlorobenzene	180	13.803	13.803	0.000	98	705831	5.00	4.80	
150 1,2,4-Trichlorobenzene	180	14.230	14.229	0.001	94	576852	5.00	4.84	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	97	302958	5.00	4.93	
152 Naphthalene	128	14.412	14.412	0.000	97	858591	5.00	4.55	
153 1,2,3-Trichlorobenzene	180	14.559	14.559	0.000	96	435439	5.00	4.69	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	345069	5.00	4.13	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00175

Amount Added: 12.50

Units: uL

MSV_QC_Gas826_00205

Amount Added: 12.50

Units: uL

MSV_LCS_EE_00009

Amount Added: 12.50

Units: uL

LCS_ETBR_00008

Amount Added: 12.50

Units: uL

MSV_LCS_Penta_00043

Amount Added: 12.50

Units: uL

MSV_LCS_ACROL_00178

Amount Added: 12.50

Units: uL

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X03.D

Injection Date: 08-Jul-2024 12:01:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

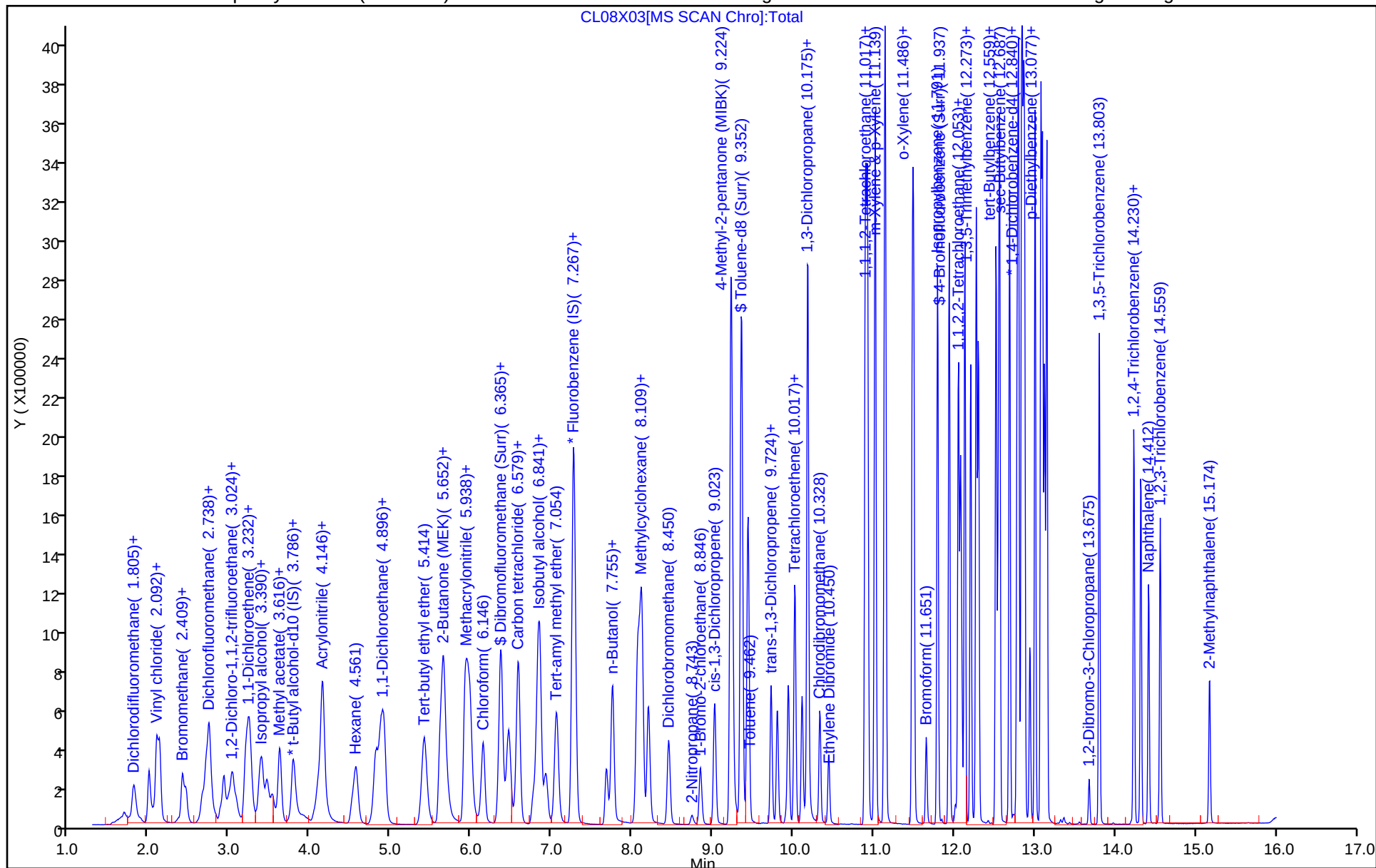
ALS Bottle#: 3

Method: MSV_10193_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\10193\20240708-118704.b\CL08X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 08-Jul-2024 12:01:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-004
Misc. Info.: LCS
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 08-Jul-2024 16:29:26 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1657

First Level Reviewer: N7YK

Date: 08-Jul-2024 12:31:41

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.1	100.78
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	104.18
\$ 83 Toluene-d8 (Surr)	10.0	10.1	100.56
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.88	98.78

Eurofins Lancaster Laboratories Environment Testing, LLC

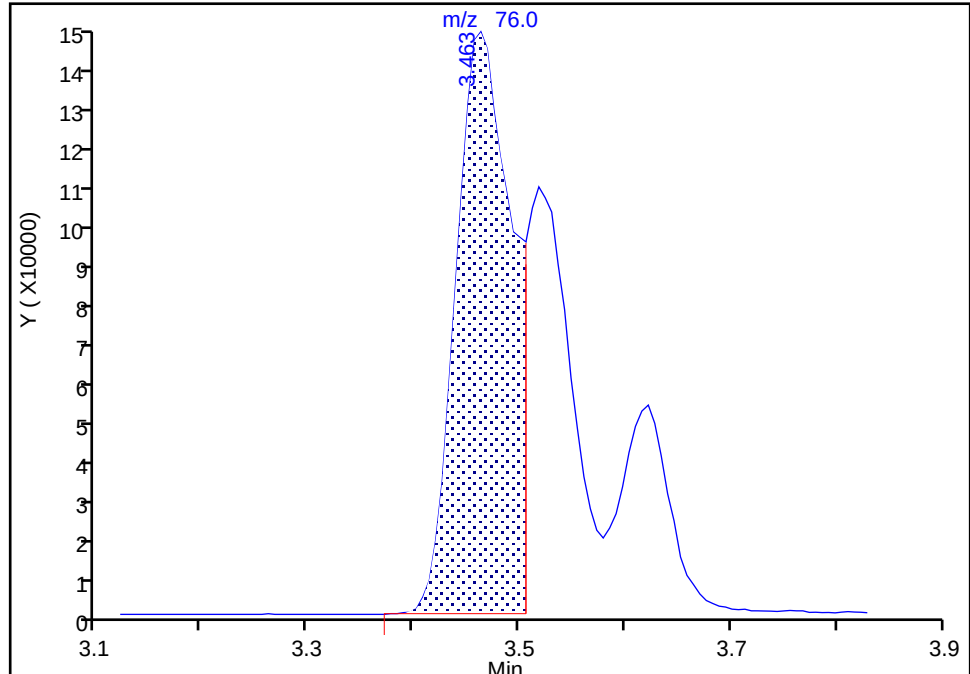
Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X03.D
Injection Date: 08-Jul-2024 12:01:30 Instrument ID: 10193
Lims ID: LCS
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

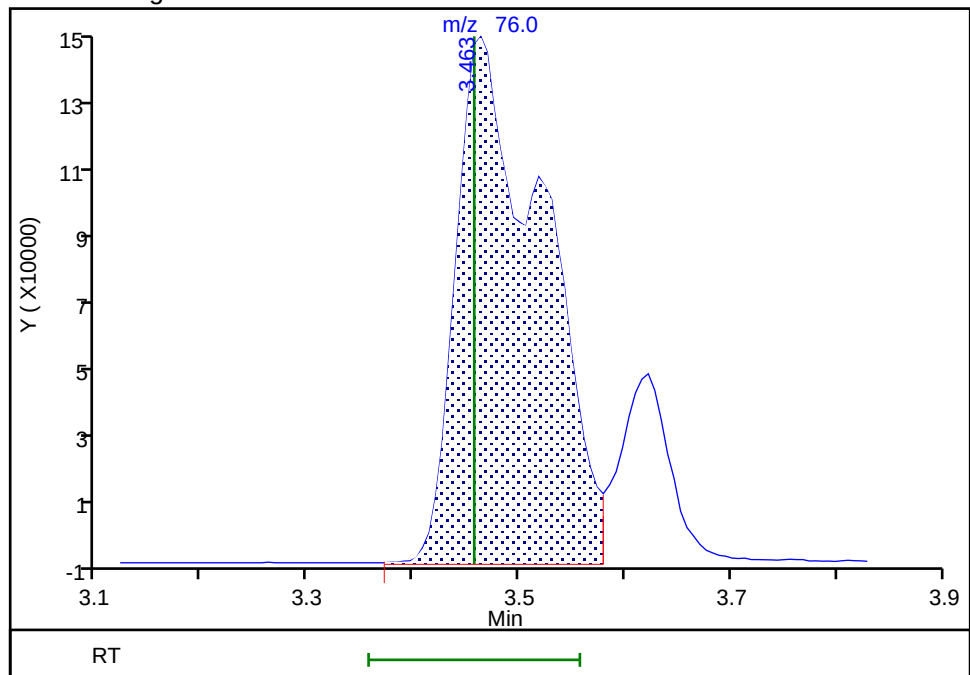
RT: 3.46
Area: 552837
Amount: 3.192182
Amount Units: ug/l

Processing Integration Results



RT: 3.46
Area: 843327
Amount: 4.869524
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 08-Jul-2024 12:29:31 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-526240/4

Matrix: Water

Lab File ID: GL09X33.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/09/2024 21:28

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.: 526240

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP29

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.76		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.59		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.99		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.86		0.50	0.080
75-34-3	1,1-Dichloroethane	5.72		0.50	0.10
75-35-4	1,1-Dichloroethene	5.40		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	6.12		0.50	0.080
107-06-2	1,2-Dichloroethane	6.14		0.50	0.070
78-87-5	1,2-Dichloropropane	5.74		0.50	0.10
78-93-3	2-Butanone (MEK)	70.1		5.0	1.0
591-78-6	2-Hexanone	71.6		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	66.5		5.0	1.0
67-64-1	Acetone	72.1		5.0	1.5
71-43-2	Benzene	5.41		0.50	0.10
74-97-5	Bromochloromethane	5.94		0.50	0.080
75-27-4	Bromodichloromethane	5.87		0.50	0.080
75-25-2	Bromoform	5.96		1.0	0.30
74-83-9	Bromomethane	4.20		0.50	0.10
75-15-0	Carbon disulfide	5.37		1.0	0.10
56-23-5	Carbon tetrachloride	5.65		0.50	0.10
108-90-7	Chlorobenzene	5.53		0.50	0.070
75-00-3	Chloroethane	4.10		0.50	0.10
67-66-3	Chloroform	5.36		0.50	0.090
74-87-3	Chloromethane	4.56		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.36		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.33		0.50	0.10
124-48-1	Dibromochloromethane	6.15		0.50	0.080
100-41-4	Ethylbenzene	5.56		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.69		0.50	0.080
75-09-2	Methylene Chloride	5.43		0.50	0.20
100-42-5	Styrene	5.91		0.50	0.070
127-18-4	Tetrachloroethene	5.45		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-526240/4

Matrix: Water

Lab File ID: GL09X33.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/09/2024 21:28

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.: 526240

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP29

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	5.40		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.29		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.65		0.50	0.080
79-01-6	Trichloroethene	5.37		0.50	0.080
75-01-4	Vinyl chloride	4.17		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)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X33.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 09-Jul-2024 21:28:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118882-004
 Misc. Info.: LCS
 Operator ID: gaw91131 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 22:39:59 Calib Date: 15-Jun-2024 00:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1611

First Level Reviewer: JS6E

Date: 09-Jul-2024 22:00:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.861	1.855	0.006	99	232767	5.00	3.98	
5 Chloromethane	50	2.056	2.050	0.006	99	314652	5.00	4.56	
7 Butadiene	39	2.203	2.142	0.060	93	347007	5.00	5.45	M
6 Vinyl chloride	62	2.166	2.154	0.012	98	275285	5.00	4.17	
9 Bromomethane	94	2.495	2.489	0.006	92	171636	5.00	4.20	
10 Chloroethane	64	2.544	2.532	0.012	100	154709	5.00	4.10	
11 Dichlorofluoromethane	67	2.806	2.794	0.012	96	369820	5.00	3.78	
12 Trichlorofluoromethane	101	2.855	2.849	0.006	98	294535	5.00	4.35	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.154	3.135	0.019	94	260381	5.00	4.70	
18 1,1-Dichloroethene	96	3.330	3.318	0.012	96	195230	5.00	5.40	
19 Acetone	43	3.367	3.355	0.012	100	362386	62.5	72.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.385	3.373	0.012	92	174645	5.00	4.59	
22 Iodomethane	142	3.513	3.501	0.012	99	339302	5.00	5.21	
21 Isopropyl alcohol	45	3.550	3.525	0.025	98	43453	37.5	60.4	
24 Carbon disulfide	76	3.611	3.599	0.012	99	694182	5.00	5.37	M
25 Methyl acetate	43	3.763	3.751	0.012	36	74867	5.00	5.47	
27 3-Chloro-1-propene	41	3.775	3.763	0.012	91	344640	5.00	5.13	
29 Methylene Chloride	84	3.946	3.940	0.006	96	228455	5.00	5.43	
* 30 t-Butyl alcohol-d10 (IS)	65	3.983	3.964	0.019	96	93527	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.105	4.080	0.025	98	96949	50.0	59.1	
32 Acrylonitrile	53	4.281	4.269	0.012	100	206464	25.0	27.8	
34 trans-1,2-Dichloroethene	96	4.342	4.324	0.018	97	230447	5.00	5.29	
33 Methyl tert-butyl ether	73	4.342	4.330	0.012	79	485807	5.00	5.69	
35 Hexane	57	4.769	4.757	0.012	94	308999	5.00	5.31	
37 1,1-Dichloroethane	63	5.001	4.989	0.012	96	464127	5.00	5.72	
38 Isopropyl ether	45	5.074	5.068	0.006	94	770290	5.00	5.56	
39 2-Chloro-1,3-butadiene	53	5.110	5.098	0.012	92	347753	5.00	5.52	
40 Tert-butyl ethyl ether	59	5.610	5.604	0.006	98	663570	5.00	5.76	
41 2-Butanone (MEK)	43	5.830	5.824	0.006	100	636483	62.5	70.1	
42 cis-1,2-Dichloroethene	96	5.842	5.836	0.006	83	258860	5.00	5.36	
43 2,2-Dichloropropane	77	5.848	5.842	0.006	63	365260	5.00	5.50	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 Propionitrile	54	5.921	5.909	0.012	98	95809	37.5	38.3	
48 Methacrylonitrile	67	6.122	6.116	0.006	92	393507	37.5	42.2	
49 Chlorobromomethane	128	6.171	6.165	0.006	96	105103	5.00	5.94	
50 Tetrahydrofuran	71	6.208	6.196	0.012	83	66747	25.0	29.1	
51 Chloroform	83	6.324	6.318	0.006	94	437417	5.00	5.36	
\$ 52 Dibromofluoromethane (Surr)	113	6.543	6.531	0.012	93	406063	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.549	6.543	0.006	99	368682	5.00	5.59	
54 Cyclohexane	56	6.647	6.641	0.006	92	373887	5.00	5.02	
55 Carbon tetrachloride	117	6.763	6.757	0.006	96	317191	5.00	5.65	
56 1,1-Dichloropropene	75	6.769	6.757	0.012	98	331662	5.00	5.42	
58 Isobutyl alcohol	41	6.976	6.958	0.018	93	75107	125.0	159.3	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.000	6.988	0.012	95	80155	10.0	10.4	
60 Benzene	78	7.025	7.019	0.006	98	991422	5.00	5.41	
61 1,2-Dichloroethane	62	7.098	7.092	0.006	97	260078	5.00	6.14	
63 Tert-amyl methyl ether	73	7.232	7.226	0.006	98	555875	5.00	5.81	
* 64 Fluorobenzene (IS)	96	7.433	7.427	0.006	97	1750765	10.0	10.0	
65 n-Heptane	43	7.451	7.445	0.006	94	361537	5.00	5.42	
67 n-Butanol	56	7.866	7.848	0.018	89	124600	250.0	284.4	
68 Trichloroethene	95	7.921	7.915	0.006	98	252175	5.00	5.37	
69 Methylcyclohexane	83	8.220	8.214	0.006	93	377882	5.00	4.91	
70 1,2-Dichloropropane	63	8.244	8.238	0.006	95	267804	5.00	5.74	
71 2-ethoxy-2-methyl butane	87	8.268	8.268	0.000	92	358447	5.00	5.42	
73 1,4-Dioxane	88	8.360	8.348	0.012	33	23080	125.0	165.7	M
72 Methyl methacrylate	69	8.354	8.348	0.006	91	83904	5.00	5.18	
74 Dibromomethane	93	8.354	8.348	0.006	96	111678	5.00	6.14	
76 Dichlorobromomethane	83	8.591	8.592	-0.001	99	300633	5.00	5.87	
77 2-Nitropropane	41	8.872	8.866	0.006	99	26242	5.00	5.02	
79 1-Bromo-2-chloroethane	63	8.982	8.982	0.000	99	232590	5.00	6.22	
81 cis-1,3-Dichloropropene	75	9.158	9.152	0.006	96	332092	5.00	5.33	
82 4-Methyl-2-pentanone (MIBK)	43	9.347	9.341	0.006	97	1508493	62.5	66.5	
\$ 83 Toluene-d8 (Surr)	98	9.475	9.469	0.006	94	1701601	10.0	9.94	
84 Toluene	92	9.549	9.549	0.000	98	622091	5.00	5.40	
85 trans-1,3-Dichloropropene	75	9.823	9.823	0.000	93	272858	5.00	5.65	
86 Ethyl methacrylate	69	9.896	9.896	0.000	89	184402	5.00	6.06	
107 1,1,2-Trichloroethane	97	10.024	10.024	0.000	91	151949	5.00	5.86	
108 Tetrachloroethene	166	10.116	10.116	0.000	97	266312	5.00	5.45	
109 1,3-Dichloropropane	76	10.195	10.189	0.006	90	274323	5.00	5.88	
110 2-Hexanone	43	10.262	10.256	0.006	97	1041212	62.5	71.6	
112 Chlorodibromomethane	129	10.408	10.408	0.000	90	191988	5.00	6.15	
113 Ethylene Dibromide	107	10.524	10.518	0.006	99	141063	5.00	6.12	
* 114 Chlorobenzene-d5 (IS)	117	10.963	10.957	0.006	88	1245458	10.0	10.0	
115 1-Chlorohexane	91	10.975	10.975	0.000	97	322288	5.00	4.98	
116 Chlorobenzene	112	10.987	10.987	0.000	93	705110	5.00	5.53	
117 1,1,1,2-Tetrachloroethane	131	11.073	11.067	0.006	95	242587	5.00	5.76	
118 Ethylbenzene	91	11.079	11.073	0.006	99	1234534	5.00	5.56	
120 m-Xylene & p-Xylene	106	11.195	11.195	0.000	100	959395	10.0	11.2	
121 o-Xylene	106	11.524	11.524	0.000	97	462763	5.00	5.55	
122 Styrene	104	11.542	11.536	0.006	95	746617	5.00	5.91	
123 Bromoform	173	11.695	11.695	0.000	95	99401	5.00	5.96	
124 Isopropylbenzene	105	11.829	11.823	0.006	96	1205405	5.00	6.02	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.969	11.969	0.000	88	612068	10.0	9.98	
128 1,1,2,2-Tetrachloroethane	83	12.073	12.073	0.000	93	185356	5.00	5.99	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
129 Bromobenzene	156	12.085	12.085	0.000	97	277942	5.00	5.73	
130 trans-1,4-Dichloro-2-butene	53	12.103	12.097	0.006	91	144094	25.0	15.9	
131 1,2,3-Trichloropropane	110	12.115	12.115	0.000	81	49263	5.00	6.33	
132 N-Propylbenzene	91	12.152	12.152	0.000	99	1498594	5.00	5.61	
133 2-Chlorotoluene	126	12.231	12.231	0.000	96	290360	5.00	5.45	
134 1,3,5-Trimethylbenzene	105	12.292	12.292	0.000	94	1044595	5.00	5.63	
135 4-Chlorotoluene	126	12.322	12.323	-0.001	98	306275	5.00	5.59	
136 tert-Butylbenzene	134	12.530	12.530	0.000	94	212255	5.00	5.09	
138 1,2,4-Trimethylbenzene	105	12.572	12.573	0.000	98	1070608	5.00	5.66	
139 sec-Butylbenzene	105	12.694	12.694	0.000	95	1343893	5.00	5.55	
140 1,3-Dichlorobenzene	146	12.792	12.792	0.000	98	583015	5.00	5.66	
141 4-Isopropyltoluene	119	12.804	12.804	0.000	97	1147838	5.00	5.59	
* 142 1,4-Dichlorobenzene-d4	152	12.847	12.847	0.000	96	681693	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.865	12.865	0.000	94	591358	5.00	5.41	
144 1,2,3-Trimethylbenzene	120	12.877	12.877	0.000	99	451302	5.00	5.29	
145 Benzyl chloride	126	12.944	12.944	0.000	99	69851	5.00	6.15	
146 p-Diethylbenzene	119	13.005	13.005	0.000	91	684593	5.00	5.67	
147 n-Butylbenzene	92	13.091	13.091	0.000	98	615072	5.00	5.69	
148 1,2-Dichlorobenzene	146	13.121	13.121	0.000	97	524642	5.00	5.75	
150 1,2-Dibromo-3-Chloropropane	155	13.676	13.664	0.012	83	20345	5.00	5.97	
151 1,3,5-Trichlorobenzene	180	13.792	13.792	0.000	97	449075	5.00	5.51	
152 1,2,4-Trichlorobenzene	180	14.212	14.206	0.006	93	356915	5.00	5.69	
153 Hexachlorobutadiene	225	14.292	14.292	0.000	97	197923	5.00	5.70	
154 Naphthalene	128	14.389	14.383	0.006	98	478152	5.00	5.75	
155 1,2,3-Trichlorobenzene	180	14.535	14.529	0.006	95	263891	5.00	5.64	
156 2-Methylnaphthalene	142	15.145	15.133	0.012	93	192691	5.00	5.23	
167 Pentane	43	2.843	2.837	0.006	96	310187	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00175

Amount Added: 12.50

Units: uL

MSV_QC_Gas826_00205

Amount Added: 12.50

Units: uL

MSV_HP25_ISSS_00092

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 09-Jul-2024 22:40:03

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X33.D

Injection Date: 09-Jul-2024 21:28:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

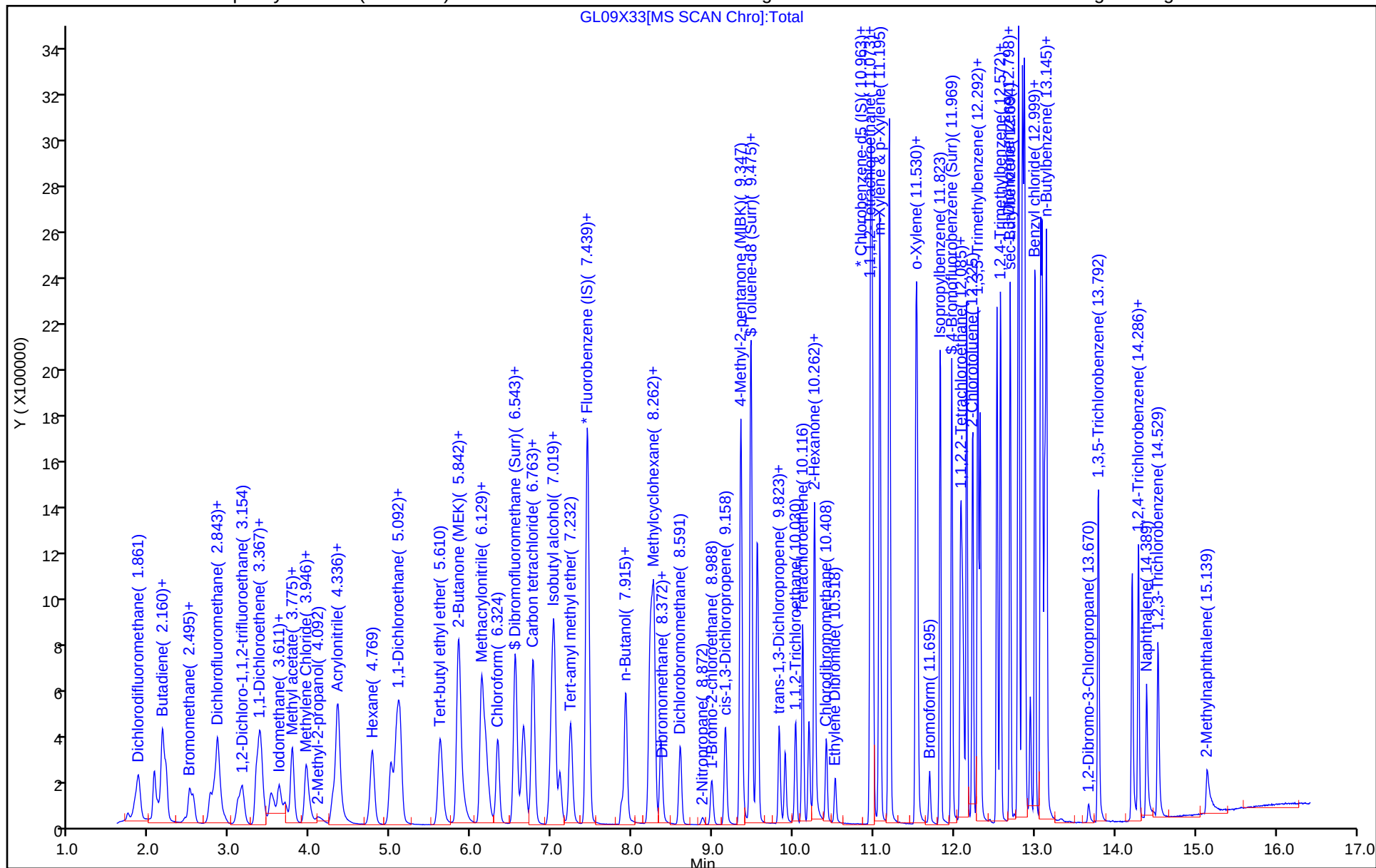
ALS Bottle#: 3

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X33.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 09-Jul-2024 21:28:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118882-004
Misc. Info.: LCS
Operator ID: gaw91131 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 22:39:59 Calib Date: 15-Jun-2024 00:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240614-116727.b\GU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1611

First Level Reviewer: JS6E

Date: 09-Jul-2024 22:00:39

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.1	100.71
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	103.98
\$ 83 Toluene-d8 (Surr)	10.0	9.94	99.40
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.98	99.83

Eurofins Lancaster Laboratories Environment Testing, LLC

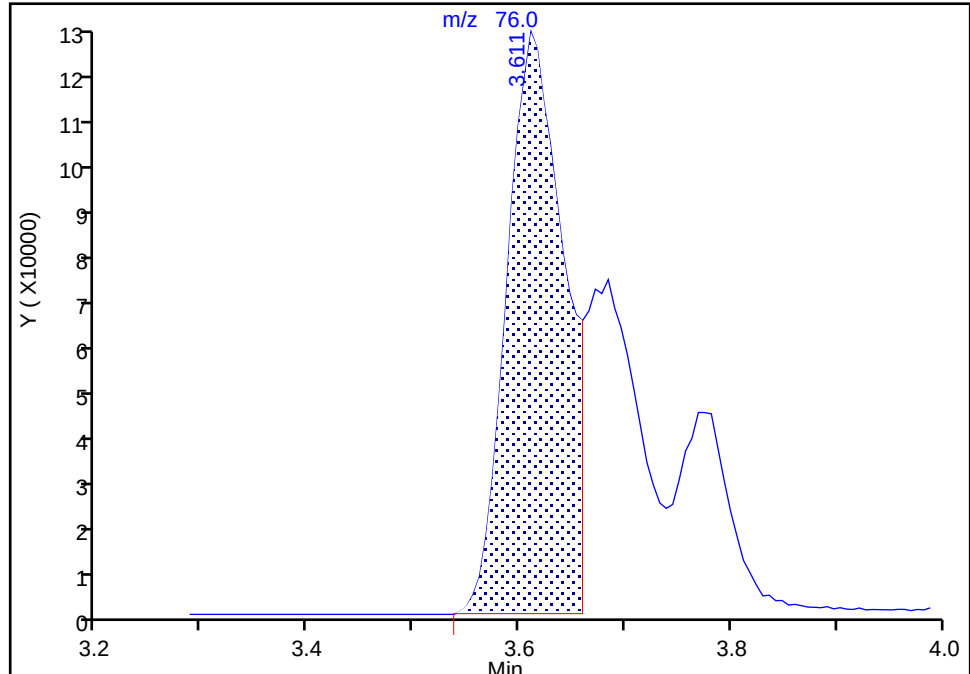
Data File: \\chromfs\Lancaster\ChromData\16334\20240709-118882.b\GL09X33.D
Injection Date: 09-Jul-2024 21:28:30 Instrument ID: 16334
Lims ID: LCS
Client ID:
Operator ID: gaw91131 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

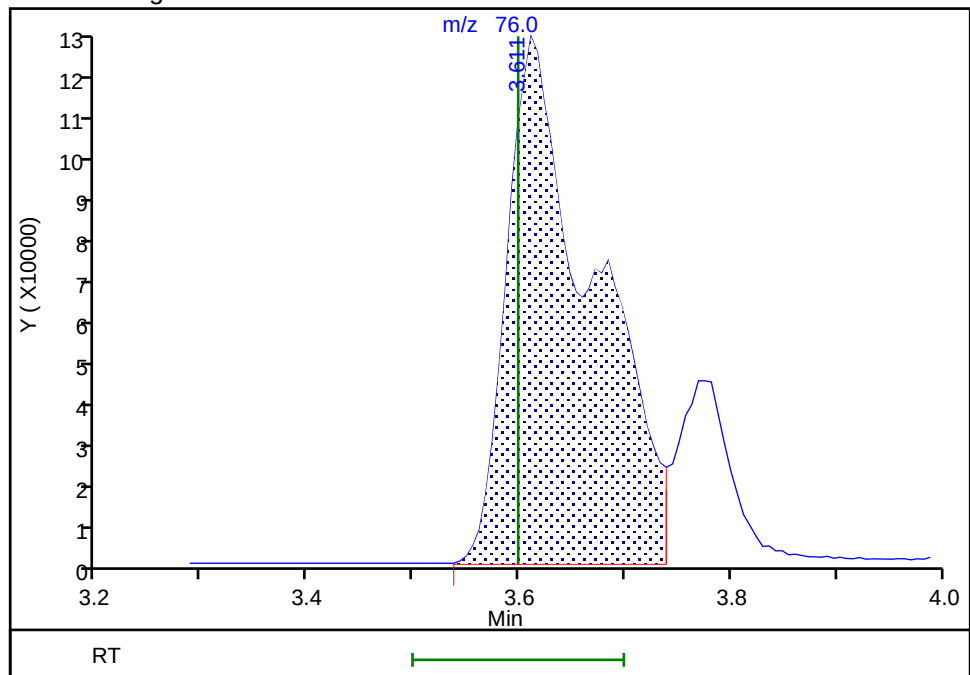
RT: 3.61
Area: 461916
Amount: 3.571276
Amount Units: ug/l

Processing Integration Results



RT: 3.61
Area: 694182
Amount: 5.367027
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 09-Jul-2024 21:59:20 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

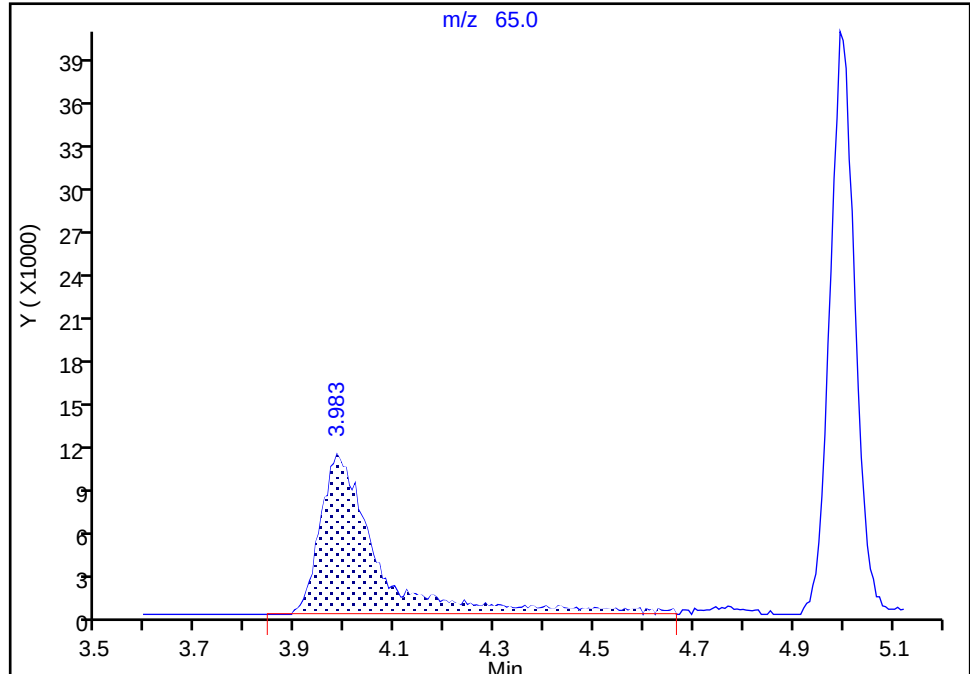
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Injection Date: 09-Jul-2024 21:28:30 Instrument ID: 16334
Lims ID: LCS
Client ID:
Operator ID: gaw91131 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

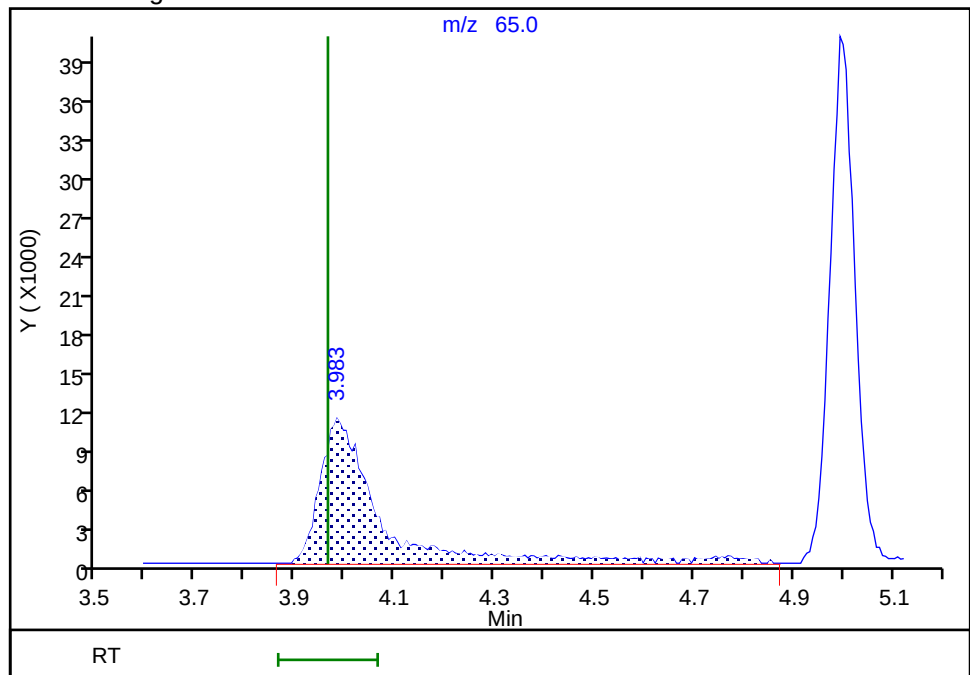
RT: 3.98
Area: 90137
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.98
Area: 93527
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 09-Jul-2024 21:59:31 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCSD 410-523863/5

Matrix: Water

Lab File ID: CL02X04.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2024 11:46

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.: 523863

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.92		0.50	0.070
71-55-6	1,1,1-Trichloroethane	4.77		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.84		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.91		0.50	0.080
75-34-3	1,1-Dichloroethane	4.89		0.50	0.10
75-35-4	1,1-Dichloroethene	4.73		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	4.91		0.50	0.080
107-06-2	1,2-Dichloroethane	5.14		0.50	0.070
78-87-5	1,2-Dichloropropane	4.96		0.50	0.10
78-93-3	2-Butanone (MEK)	65.2		5.0	1.0
591-78-6	2-Hexanone	64.3		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	64.7		5.0	1.0
67-64-1	Acetone	61.3		5.0	1.5
71-43-2	Benzene	4.78		0.50	0.10
74-97-5	Bromochloromethane	5.03		0.50	0.080
75-27-4	Bromodichloromethane	4.78		0.50	0.080
75-25-2	Bromoform	4.72		1.0	0.30
74-83-9	Bromomethane	4.78		0.50	0.10
75-15-0	Carbon disulfide	4.55		1.0	0.10
56-23-5	Carbon tetrachloride	4.73		0.50	0.10
108-90-7	Chlorobenzene	4.94		0.50	0.070
75-00-3	Chloroethane	4.76		0.50	0.10
67-66-3	Chloroform	4.67		0.50	0.090
74-87-3	Chloromethane	4.60		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	4.83		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.53		0.50	0.10
124-48-1	Dibromochloromethane	4.98		0.50	0.080
100-41-4	Ethylbenzene	4.85		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.66		0.50	0.080
75-09-2	Methylene Chloride	4.66		0.50	0.20
100-42-5	Styrene	4.91		0.50	0.070
127-18-4	Tetrachloroethene	4.81		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 410-523863/5

Matrix: Water Lab File ID: CL02X04.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 07/02/2024 11:46

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.: 523863 Units: ug/L

Preparation Batch No.: _____ Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	4.80		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	4.72		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.74		0.50	0.080
79-01-6	Trichloroethene	4.69		0.50	0.080
75-01-4	Vinyl chloride	4.60		0.50	0.10
1330-20-7	Xylenes, Total	14.4		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)	100		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\10193\20240702-118306.b\CL02X04.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 02-Jul-2024 11:46:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118306-005
 Misc. Info.: LCSD
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 02-Jul-2024 14:16:15 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1629

First Level Reviewer: N7YK

Date: 02-Jul-2024 12:16:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.793	0.006	99	341561	5.00	4.37	
5 Chloromethane	50	1.988	1.982	0.006	99	406537	5.00	4.60	
6 Vinyl chloride	62	2.085	2.079	0.006	98	399705	5.00	4.60	
7 Butadiene	39	2.092	2.110	-0.018	91	391188	5.00	4.21	M
9 Bromomethane	94	2.402	2.396	0.006	90	292115	5.00	4.78	
10 Chloroethane	64	2.445	2.439	0.006	100	237235	5.00	4.76	
11 Dichlorofluoromethane	67	2.689	2.683	0.006	97	567426	5.00	4.40	
13 Pentane	43	2.732	2.725	0.007	97	376695	5.00	4.36	
12 Trichlorofluoromethane	101	2.738	2.732	0.006	98	480595	5.00	4.75	
14 Ethyl ether	59	2.915	2.908	0.007	91	161770	4.98	3.54	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.018	3.012	0.006	91	355881	5.00	4.78	
17 Acrolein	56	3.073	3.061	0.012	100	231535	37.6	32.6	
18 1,1-Dichloroethene	96	3.195	3.189	0.006	98	255153	5.00	4.73	
20 Acetone	43	3.219	3.213	0.006	100	559797	62.5	61.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.238	3.231	0.007	90	226211	5.00	4.08	
24 Isopropyl alcohol	45	3.372	3.360	0.012	32	57735	37.5	30.7	
22 Iodomethane	142	3.366	3.360	0.006	98	500582	5.00	4.46	
23 Ethyl bromide	108	3.390	3.384	0.006	98	214388	4.72	4.37	
25 Carbon disulfide	76	3.457	3.451	0.006	99	795252	5.00	4.55	
26 Methyl acetate	43	3.591	3.573	0.018	96	136568	5.00	5.21	
29 3-Chloro-1-propene	41	3.616	3.603	0.013	92	388134	5.00	4.34	
30 Methylene Chloride	84	3.780	3.774	0.006	91	299356	5.00	4.66	
* 31 t-Butyl alcohol-d10 (IS)	65	3.792	3.774	0.018	42	184224	50.0	50.0	
32 2-Methyl-2-propanol	59	3.902	3.890	0.012	99	156119	50.0	43.8	
33 Acrylonitrile	53	4.085	4.079	0.006	99	329834	25.0	24.7	
34 Methyl tert-butyl ether	73	4.146	4.134	0.012	93	766742	5.00	4.66	
35 trans-1,2-Dichloroethene	96	4.146	4.134	0.012	99	303450	5.00	4.72	
36 Hexane	57	4.555	4.548	0.006	92	342224	5.00	4.10	
37 1,1-Dichloroethane	63	4.798	4.792	0.006	96	540464	5.00	4.89	
39 Isopropyl ether	45	4.865	4.865	0.000	93	920139	5.00	4.67	
40 2-Chloro-1,3-butadiene	53	4.914	4.902	0.012	89	411158	5.00	4.49	

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	5.414	5.402	0.012	98	898235	5.00	4.66	
42 2-Butanone (MEK)	43	5.609	5.609	0.000	99	1092444	62.5	65.2	
43 cis-1,2-Dichloroethene	96	5.646	5.646	0.000	80	348995	5.00	4.83	
44 2,2-Dichloropropane	77	5.664	5.658	0.006	86	422632	5.00	4.61	
45 Propionitrile	54	5.713	5.707	0.006	99	182882	37.5	40.4	
47 Methacrylonitrile	67	5.926	5.926	0.000	94	655782	37.5	39.6	
48 Chlorobromomethane	128	5.981	5.975	0.006	87	167971	5.00	5.03	
49 Tetrahydrofuran	71	5.975	5.981	-0.006	78	122896	25.0	23.5	
50 Chloroform	83	6.146	6.139	0.007	93	546474	5.00	4.67	
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	94	573102	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.365	6.365	0.000	98	466194	5.00	4.77	
55 Cyclohexane	56	6.463	6.456	0.007	89	427811	5.00	4.11	
56 Carbon tetrachloride	117	6.572	6.572	0.000	95	418873	5.00	4.73	
57 1,1-Dichloropropene	75	6.579	6.578	0.000	97	411037	5.00	4.70	
58 Isobutyl alcohol	41	6.774	6.767	0.007	92	164411	125.0	128.7	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.816	0.000	99	117170	10.0	10.0	
60 Benzene	78	6.847	6.841	0.006	97	1255748	5.00	4.78	
61 1,2-Dichloroethane	62	6.920	6.920	0.000	97	344117	5.00	5.14	
64 Tert-amyl methyl ether	73	7.054	7.048	0.006	99	833578	5.00	4.65	
* 65 Fluorobenzene (IS)	96	7.267	7.261	0.006	99	2355661	10.0	10.0	
66 n-Heptane	43	7.280	7.279	0.001	92	389561	5.00	4.50	
67 n-Butanol	56	7.676	7.676	0.000	89	296048	250.0	252.1	
68 Trichloroethene	95	7.749	7.749	0.000	96	339364	5.00	4.69	
69 Methylcyclohexane	83	8.060	8.060	0.000	89	487239	5.00	4.20	
70 1,2-Dichloropropane	63	8.090	8.090	0.000	98	333859	5.00	4.96	
71 2-ethoxy-2-methyl butane	87	8.115	8.115	0.000	94	480372	5.00	4.39	
74 1,4-Dioxane	88	8.194	8.188	0.006	32	38975	125.0	169.1	M
73 Methyl methacrylate	69	8.194	8.194	0.000	91	164774	5.00	4.74	
72 Dibromomethane	93	8.200	8.200	0.000	94	169798	5.00	4.96	
76 Dichlorobromomethane	83	8.450	8.450	0.000	100	388270	5.00	4.78	
77 2-Nitropropane	41	8.737	8.737	0.001	97	40250	5.00	4.30	
78 1-Bromo-2-chloroethane	63	8.846	8.846	0.000	98	351830	5.00	5.35	
80 cis-1,3-Dichloropropene	75	9.023	9.023	0.000	97	475713	5.00	4.53	
82 4-Methyl-2-pentanone (MIBK)	43	9.224	9.224	0.000	96	2772300	62.5	64.7	
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2409531	10.0	10.2	
84 Toluene	92	9.438	9.438	0.000	98	841047	5.00	4.80	
85 trans-1,3-Dichloropropene	75	9.724	9.724	0.000	92	422696	5.00	4.74	
86 Ethyl methacrylate	69	9.803	9.797	0.006	89	347625	5.00	4.55	
87 1,1,2-Trichloroethane	97	9.938	9.937	0.001	90	248892	5.00	4.91	
88 Tetrachloroethene	166	10.017	10.017	0.000	97	418526	5.00	4.81	
89 1,3-Dichloropropane	76	10.108	10.108	0.000	89	411229	5.00	4.88	
106 2-Hexanone	43	10.175	10.175	0.000	96	2004328	62.5	64.3	
108 Chlorodibromomethane	129	10.328	10.328	0.000	89	324110	5.00	4.98	
110 Ethylene Dibromide	107	10.438	10.437	0.001	99	247004	5.00	4.91	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	83	1844233	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	97	430325	5.00	4.19	
113 Chlorobenzene	112	10.925	10.925	0.000	97	1034644	5.00	4.94	
114 1,1,1,2-Tetrachloroethane	131	11.011	11.017	-0.006	97	362794	5.00	4.92	
115 Ethylbenzene	91	11.017	11.023	-0.006	98	1667743	5.00	4.85	
116 m-Xylene & p-Xylene	106	11.139	11.138	0.001	97	1356282	10.0	9.63	
118 o-Xylene	106	11.480	11.480	0.000	95	661487	5.00	4.76	
119 Styrene	104	11.498	11.498	0.000	95	1130657	5.00	4.91	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 Bromoform	173	11.651	11.651	0.000	98	197891	5.00	4.72	
121 Isopropylbenzene	105	11.791	11.791	0.000	95	1703882	5.00	5.17	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	95	877383	10.0	9.88	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	72	313906	5.00	4.84	
125 Bromobenzene	156	12.053	12.053	0.000	87	464059	5.00	4.75	
127 trans-1,4-Dichloro-2-butene	53	12.077	12.077	0.000	90	350563	25.0	23.0	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	82	90516	5.00	5.02	
129 N-Propylbenzene	91	12.132	12.132	0.000	98	2009347	5.00	4.78	
130 2-Chlorotoluene	126	12.205	12.205	0.000	98	442118	5.00	4.69	
131 1,3,5-Trimethylbenzene	105	12.273	12.272	0.001	94	1483976	5.00	4.73	
132 4-Chlorotoluene	126	12.303	12.303	0.000	96	461925	5.00	4.70	
133 tert-Butylbenzene	134	12.522	12.522	0.000	92	350594	5.00	4.64	
134 Pentachloroethane	167	12.547	12.547	0.000	93	273758	5.00	4.84	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	96	1542288	5.00	4.76	
136 sec-Butylbenzene	105	12.687	12.687	0.000	94	1918145	5.00	4.74	
137 1,3-Dichlorobenzene	146	12.785	12.785	0.001	98	925385	5.00	4.79	
138 4-Isopropyltoluene	119	12.797	12.803	-0.006	97	1699937	5.00	4.67	
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	93	1111294	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.858	12.858	0.000	96	946158	5.00	4.79	
141 1,2,3-Trimethylbenzene	120	12.870	12.876	-0.006	98	679120	5.00	4.54	
142 Benzyl chloride	126	12.943	12.943	0.000	98	130128	5.00	4.38	
145 p-Diethylbenzene	119	13.077	13.077	0.000	94	1083797	5.00	4.78	
143 n-Butylbenzene	92	13.096	13.095	0.001	96	830766	5.00	4.75	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	869734	5.00	4.93	
148 1,2-Dibromo-3-Chloropropane	155	13.675	13.675	0.000	90	48780	5.00	4.54	
149 1,3,5-Trichlorobenzene	180	13.803	13.803	0.000	98	719999	5.00	4.81	
150 1,2,4-Trichlorobenzene	180	14.236	14.235	0.001	94	600535	5.00	4.95	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	96	298820	5.00	4.77	
152 Naphthalene	128	14.412	14.412	0.000	97	939056	5.00	4.89	
153 1,2,3-Trichlorobenzene	180	14.559	14.559	0.000	96	467591	5.00	4.94	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	364469	5.00	4.28	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_QC_Gas826_00204	Amount Added: 12.50	Units: uL	
MSV_LCS_VOC#1_00174	Amount Added: 12.50	Units: uL	
MSV_LCS_ACROL_00177	Amount Added: 12.50	Units: uL	
MSV_LCS_EE_00009	Amount Added: 12.50	Units: uL	
LCS_ETBR_00008	Amount Added: 12.50	Units: uL	
MSV_LCS_Penta_00043	Amount Added: 12.50	Units: uL	
MSV_HP25_ISSS_00091	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 02-Jul-2024 14:16:27

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\CL02X04.D

Injection Date: 02-Jul-2024 11:46:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: LCSD

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

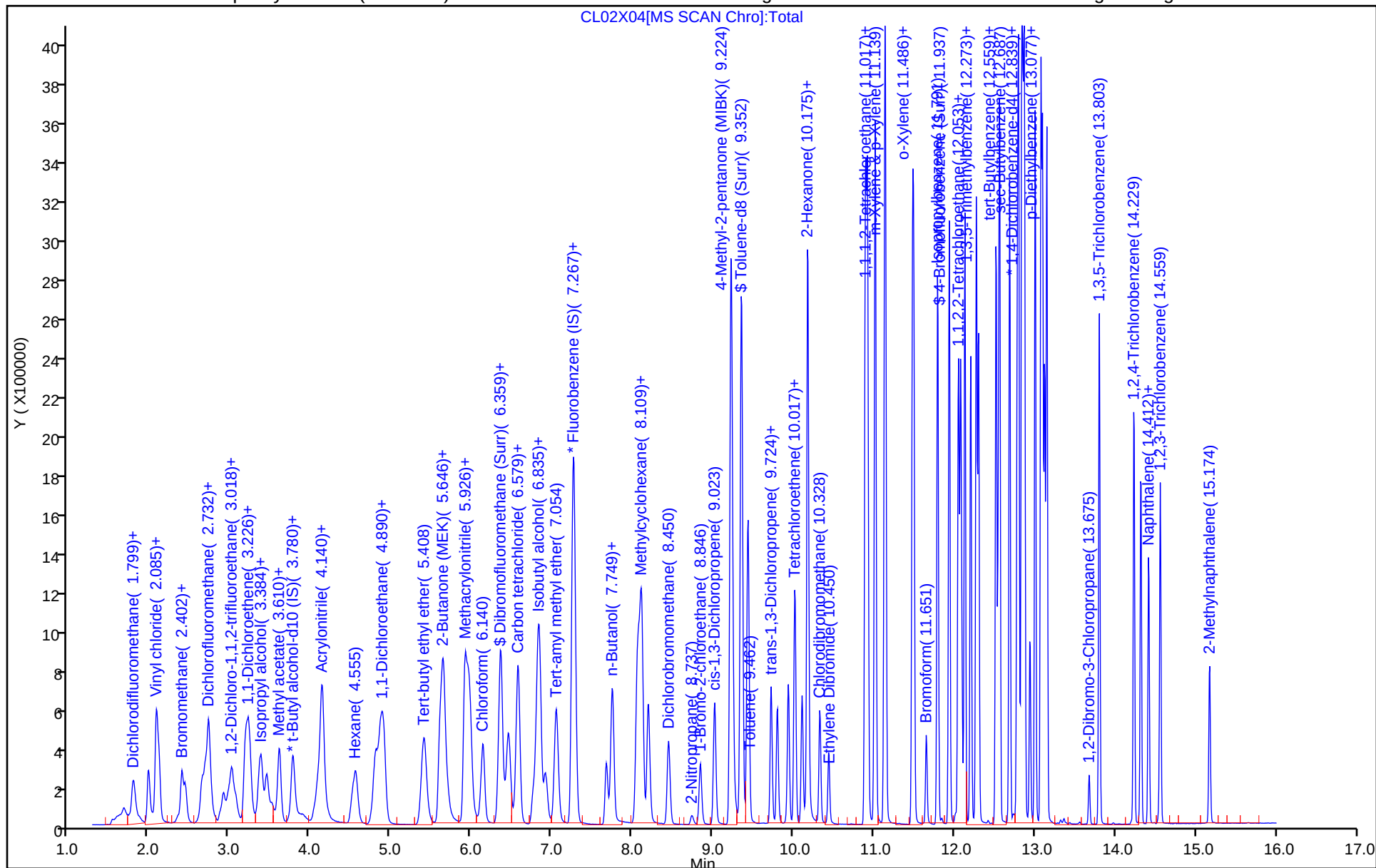
ALS Bottle#: 4

Method: MSV_10193_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\10193\20240702-118306.b\CL02X04.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 02-Jul-2024 11:46:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118306-005
Misc. Info.: LCSD
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240702-118306.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 02-Jul-2024 14:16:15 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1629

First Level Reviewer: N7YK

Date: 02-Jul-2024 12:16:36

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.0	100.46
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.39
\$ 83 Toluene-d8 (Surr)	10.0	10.2	101.97
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.88	98.77

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-6 MS

Matrix: Water

Lab File ID: CL08X13.D

Analysis Method: 8260D

Date Collected: 06/26/2024 10:30

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 15:46

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.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.38		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.77		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.02		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.28		0.50	0.080
75-34-3	1,1-Dichloroethane	5.71		0.50	0.10
75-35-4	1,1-Dichloroethene	6.05		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.14		0.50	0.080
107-06-2	1,2-Dichloroethane	5.39		0.50	0.070
78-87-5	1,2-Dichloropropane	5.54		0.50	0.10
78-93-3	2-Butanone (MEK)	74.7		5.0	1.0
591-78-6	2-Hexanone	76.0		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	75.5		5.0	1.0
67-64-1	Acetone	66.4		5.0	1.5
71-43-2	Benzene	5.45		0.50	0.10
74-97-5	Bromochloromethane	5.57		0.50	0.080
75-27-4	Bromodichloromethane	5.31		0.50	0.080
75-25-2	Bromoform	4.82		1.0	0.30
74-83-9	Bromomethane	4.83		0.50	0.10
75-15-0	Carbon disulfide	5.64		1.0	0.10
56-23-5	Carbon tetrachloride	5.70		0.50	0.10
108-90-7	Chlorobenzene	5.50		0.50	0.070
75-00-3	Chloroethane	4.89		0.50	0.10
67-66-3	Chloroform	5.35		0.50	0.090
74-87-3	Chloromethane	4.79		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	6.21		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.83		0.50	0.10
124-48-1	Dibromochloromethane	5.22		0.50	0.080
100-41-4	Ethylbenzene	5.47		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.77		0.50	0.080
75-09-2	Methylene Chloride	5.23		0.50	0.20
100-42-5	Styrene	5.39		0.50	0.070
127-18-4	Tetrachloroethene	10.0		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-6 MS

Matrix: Water

Lab File ID: CL08X13.D

Analysis Method: 8260D

Date Collected: 06/26/2024 10:30

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 15:46

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.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	5.48		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.59		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.96		0.50	0.080
79-01-6	Trichloroethene	6.29		0.50	0.080
75-01-4	Vinyl chloride	4.86		0.50	0.10
1330-20-7	Xylenes, Total	16.1		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		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\10193\20240708-118704.b\CL08X13.D
 Lims ID: 410-177855-A-6 MS
 Client ID: HD-COD-SW-15-0/1-0 MS
 Sample Type: MS
 Inject. Date: 08-Jul-2024 15:46:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-014
 Misc. Info.: 410-177855-A-6 MS
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 11:40:53 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:40:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.793	1.799	-0.006	99	364644	5.00	4.92	
5 Chloromethane	50	1.982	1.988	-0.006	99	401456	5.00	4.79	
6 Vinyl chloride	62	2.079	2.085	-0.006	98	400517	5.00	4.86	
7 Butadiene	39	2.110	2.116	-0.006	91	492744	5.00	5.59	
9 Bromomethane	94	2.396	2.402	-0.006	90	280302	5.00	4.83	
10 Chloroethane	64	2.439	2.445	-0.006	100	230773	5.00	4.89	
11 Dichlorofluoromethane	67	2.689	2.695	-0.006	97	553768	5.00	4.52	
13 Pentane	43	2.726	2.732	-0.006	98	481200	5.00	5.87	
12 Trichlorofluoromethane	101	2.732	2.738	-0.006	97	491562	5.00	5.12	
14 Ethyl ether	59	2.909	2.914	-0.006	91	244359	4.99	5.64	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.012	3.012	0.000	91	364422	5.00	5.16	
17 Acrolein	56	3.067	3.073	-0.006	98	187505	37.6	33.6	
18 1,1-Dichloroethene	96	3.189	3.189	0.000	97	309258	5.00	6.05	
20 Acetone	43	3.213	3.213	0.000	100	476692	62.6	66.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.238	3.244	-0.006	90	282941	5.00	5.38	
24 Isopropyl alcohol	45	3.360	3.359	0.001	96	42019	37.5	28.5	
22 Iodomethane	142	3.366	3.366	0.000	98	554847	5.00	5.21	
23 Ethyl bromide	108	3.390	3.390	0.000	98	223013	4.72	4.79	
25 Carbon disulfide	76	3.445	3.457	-0.012	99	936474	5.00	5.64	M
26 Methyl acetate	43	3.585	3.591	-0.006	95	124108	5.00	6.02	
29 3-Chloro-1-propene	41	3.610	3.609	0.001	92	429958	5.00	5.06	
30 Methylene Chloride	84	3.780	3.780	0.000	90	318777	5.00	5.23	
* 31 t-Butyl alcohol-d10 (IS)	65	3.774	3.798	-0.024	38	144717	50.0	50.0	
32 2-Methyl-2-propanol	59	3.884	3.902	-0.018	93	120628	50.0	43.1	
33 Acrylonitrile	53	4.085	4.091	-0.006	99	294826	25.0	28.1	
34 Methyl tert-butyl ether	73	4.134	4.140	-0.006	88	743661	5.00	4.77	
35 trans-1,2-Dichloroethene	96	4.140	4.146	-0.006	99	340736	5.00	5.59	
36 Hexane	57	4.555	4.554	0.001	92	385986	5.00	4.87	
37 1,1-Dichloroethane	63	4.792	4.798	-0.006	96	597798	5.00	5.71	
39 Isopropyl ether	45	4.865	4.865	0.000	93	935437	5.00	5.01	
40 2-Chloro-1,3-butadiene	53	4.902	4.908	-0.006	89	463300	5.00	5.33	

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	5.408	5.408	0.000	97	879529	5.00	4.81	
42 2-Butanone (MEK)	43	5.603	5.609	-0.006	99	983491	62.6	74.7	
43 cis-1,2-Dichloroethene	96	5.646	5.646	0.000	80	425353	5.00	6.21	
44 2,2-Dichloropropane	77	5.658	5.664	-0.006	86	464375	5.00	5.35	
45 Propionitrile	54	5.701	5.707	-0.006	98	157968	37.5	44.5	
47 Methacrylonitrile	67	5.920	5.926	-0.006	92	624156	37.5	47.9	
49 Tetrahydrofuran	71	5.969	5.981	-0.012	87	117556	25.0	28.6	
48 Chlorobromomethane	128	5.981	5.981	0.000	88	176214	5.00	5.57	
50 Chloroform	83	6.140	6.139	0.001	93	593682	5.00	5.35	
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	94	549135	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.365	6.365	0.000	97	534933	5.00	5.77	
55 Cyclohexane	56	6.457	6.463	-0.006	89	533835	5.00	5.40	
56 Carbon tetrachloride	117	6.566	6.572	-0.006	85	479034	5.00	5.70	
57 1,1-Dichloropropene	75	6.579	6.578	0.001	96	463442	5.00	5.59	
58 Isobutyl alcohol	41	6.768	6.767	0.001	97	141178	125.1	140.7	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.816	0.000	99	116806	10.0	10.6	
60 Benzene	78	6.841	6.847	-0.006	97	1356691	5.00	5.45	
61 1,2-Dichloroethane	62	6.914	6.920	-0.006	97	342684	5.00	5.39	
64 Tert-amyl methyl ether	73	7.054	7.054	0.000	99	807712	5.00	4.75	
* 65 Fluorobenzene (IS)	96	7.261	7.267	-0.006	99	2234089	10.0	10.0	
66 n-Heptane	43	7.280	7.279	0.001	92	396148	5.00	4.82	
67 n-Butanol	56	7.676	7.676	0.000	89	266768	250.2	289.1	
68 Trichloroethene	95	7.743	7.749	-0.006	96	431343	5.00	6.29	
69 Methylcyclohexane	83	8.060	8.060	0.000	90	589864	5.00	5.37	
70 1,2-Dichloropropane	63	8.084	8.090	-0.006	97	353286	5.00	5.54	
71 2-ethoxy-2-methyl butane	87	8.115	8.115	0.000	95	485067	5.00	4.68	
74 1,4-Dioxane	88	8.188	8.188	0.000	30	27931	125.1	154.3	M
73 Methyl methacrylate	69	8.194	8.194	0.000	89	158885	5.00	5.82	
72 Dibromomethane	93	8.200	8.200	0.000	92	170732	5.00	5.26	
76 Dichlorobromomethane	83	8.444	8.450	-0.006	99	408526	5.00	5.31	
77 2-Nitropropane	41	8.737	8.736	0.001	97	37819	5.00	5.14	
78 1-Bromo-2-chloroethane	63	8.840	8.846	-0.006	98	327771	5.00	5.25	
80 cis-1,3-Dichloropropene	75	9.017	9.023	-0.006	97	481275	5.00	4.83	
82 4-Methyl-2-pentanone (MIBK)	43	9.224	9.224	0.000	96	2542862	62.6	75.5	
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2267308	10.0	10.2	
84 Toluene	92	9.432	9.438	-0.006	98	902115	5.00	5.48	
85 trans-1,3-Dichloropropene	75	9.724	9.724	0.000	91	416031	5.00	4.96	
86 Ethyl methacrylate	69	9.797	9.797	0.000	89	338492	5.00	4.71	
87 1,1,2-Trichloroethane	97	9.938	9.937	0.001	90	251289	5.00	5.28	
88 Tetrachloroethene	166	10.017	10.017	0.000	97	820810	5.00	10.0	
89 1,3-Dichloropropane	76	10.108	10.108	0.000	89	423127	5.00	5.35	
106 2-Hexanone	43	10.175	10.175	0.000	96	1859739	62.6	76.0	
108 Chlorodibromomethane	129	10.328	10.328	0.000	90	319540	5.00	5.22	
110 Ethylene Dibromide	107	10.438	10.437	0.001	99	242828	5.00	5.14	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	83	1732825	10.0	10.0	
112 1-Chlorohexane	91	10.913	10.919	-0.006	97	474211	5.00	4.92	
113 Chlorobenzene	112	10.919	10.925	-0.006	99	1081195	5.00	5.50	
114 1,1,1,2-Tetrachloroethane	131	11.011	11.010	0.001	96	373249	5.00	5.38	
115 Ethylbenzene	91	11.017	11.017	0.000	97	1767841	5.00	5.47	
116 m-Xylene & p-Xylene	106	11.139	11.138	0.001	97	1433120	10.0	10.8	
118 o-Xylene	106	11.480	11.480	0.000	95	691959	5.00	5.30	
119 Styrene	104	11.492	11.498	-0.006	95	1164800	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
120 Bromoform	173	11.651	11.651	0.000	98	190089	5.00	4.82	
121 Isopropylbenzene	105	11.791	11.791	0.000	95	1791623	5.00	5.79	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	97	810613	10.0	9.71	
126 1,1,2,2-Tetrachloroethane	83	12.047	12.053	-0.006	70	299470	5.00	5.02	
125 Bromobenzene	156	12.053	12.053	0.000	86	471075	5.00	5.24	
127 trans-1,4-Dichloro-2-butene	53	12.077	12.077	0.000	90	240282	25.0	17.2	
128 1,2,3-Trichloropropane	110	12.090	12.096	-0.006	82	82623	5.00	4.99	
129 N-Propylbenzene	91	12.132	12.132	0.000	98	2077537	5.00	5.38	
130 2-Chlorotoluene	126	12.205	12.205	0.000	98	450378	5.00	5.20	
131 1,3,5-Trimethylbenzene	105	12.273	12.272	0.001	94	1523189	5.00	5.28	
132 4-Chlorotoluene	126	12.297	12.303	-0.006	96	472588	5.00	5.23	
133 tert-Butylbenzene	134	12.516	12.522	-0.006	92	369453	5.00	5.33	
134 Pentachloroethane	167	12.547	12.547	0.000	93	280172	5.00	5.39	
135 1,2,4-Trimethylbenzene	105	12.559	12.565	-0.006	96	1546771	5.00	5.19	
136 sec-Butylbenzene	105	12.687	12.687	0.000	93	1989689	5.00	5.35	
137 1,3-Dichlorobenzene	146	12.779	12.784	-0.005	98	919291	5.00	5.18	
138 4-Isopropyltoluene	119	12.797	12.797	0.000	97	1724844	5.00	5.16	
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	92	1021177	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.858	12.858	0.000	96	937126	5.00	5.16	
141 1,2,3-Trimethylbenzene	120	12.870	12.876	-0.006	98	687512	5.00	5.00	
142 Benzyl chloride	126	12.937	12.943	-0.006	98	117780	5.00	4.31	
145 p-Diethylbenzene	119	13.077	13.077	0.000	94	1070476	5.00	5.14	
143 n-Butylbenzene	92	13.096	13.095	0.001	97	820599	5.00	5.11	
144 1,2-Dichlorobenzene	146	13.120	13.120	0.000	99	838020	5.00	5.17	
148 1,2-Dibromo-3-Chloropropane	155	13.675	13.675	0.000	90	41179	5.00	4.17	
149 1,3,5-Trichlorobenzene	180	13.803	13.803	0.000	98	664608	5.00	4.83	
150 1,2,4-Trichlorobenzene	180	14.229	14.229	0.000	94	518632	5.00	4.65	
151 Hexachlorobutadiene	225	14.315	14.321	-0.006	97	288269	5.00	5.00	
152 Naphthalene	128	14.412	14.412	0.000	96	744639	5.00	4.22	
153 1,2,3-Trichlorobenzene	180	14.559	14.559	0.000	96	385303	5.00	4.43	
154 2-Methylnaphthalene	142	15.168	15.174	-0.006	93	193035	5.00	2.47	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00175	Amount Added: 5.38	Units: uL	
MSV_LCS_EE_00009	Amount Added: 5.38	Units: uL	
LCS_ETBR_00008	Amount Added: 5.38	Units: uL	
MSV_LCS_Penta_00043	Amount Added: 5.38	Units: uL	
MSV_LCS_ACROL_00178	Amount Added: 5.38	Units: uL	
MSV_QC_Gas826_00205	Amount Added: 5.38	Units: uL	
MSV_HP25_ISSS_00092	Amount Added: 1.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X13.D

Injection Date: 08-Jul-2024 15:46:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-177855-A-6 MS

Worklist Smp#: 14

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

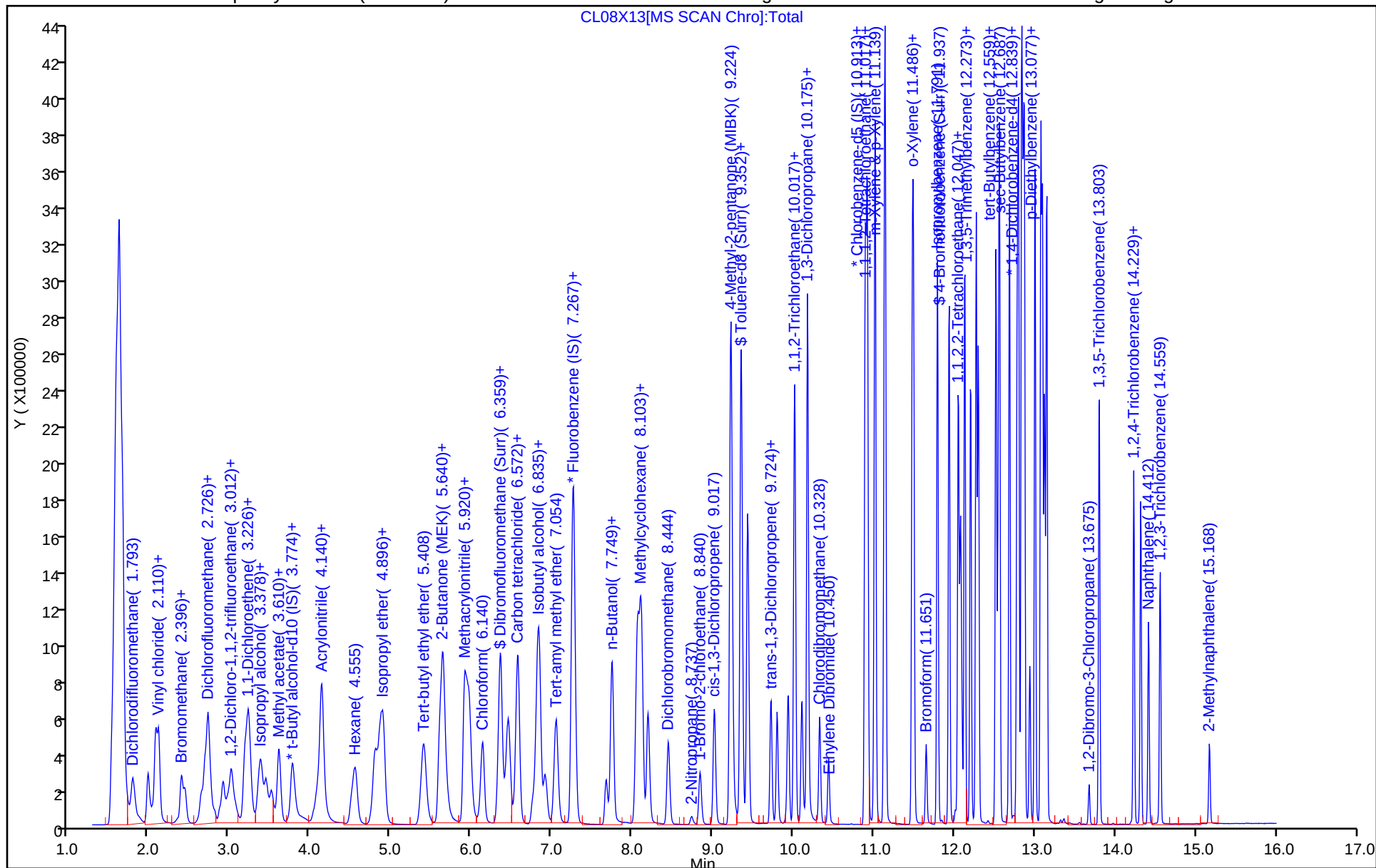
ALS Bottle#: 13

Method: MSV_10193_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\10193\20240708-118704.b\CL08X13.D
Lims ID: 410-177855-A-6 MS
Client ID: HD-COD-SW-15-0/1-0 MS
Sample Type: MS
Inject. Date: 08-Jul-2024 15:46:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-014
Misc. Info.: 410-177855-A-6 MS
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 11:40:53 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:40:53

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.1	101.50
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	105.53
\$ 83 Toluene-d8 (Surr)	10.0	10.2	102.12
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.71	97.12

Eurofins Lancaster Laboratories Environment Testing, LLC

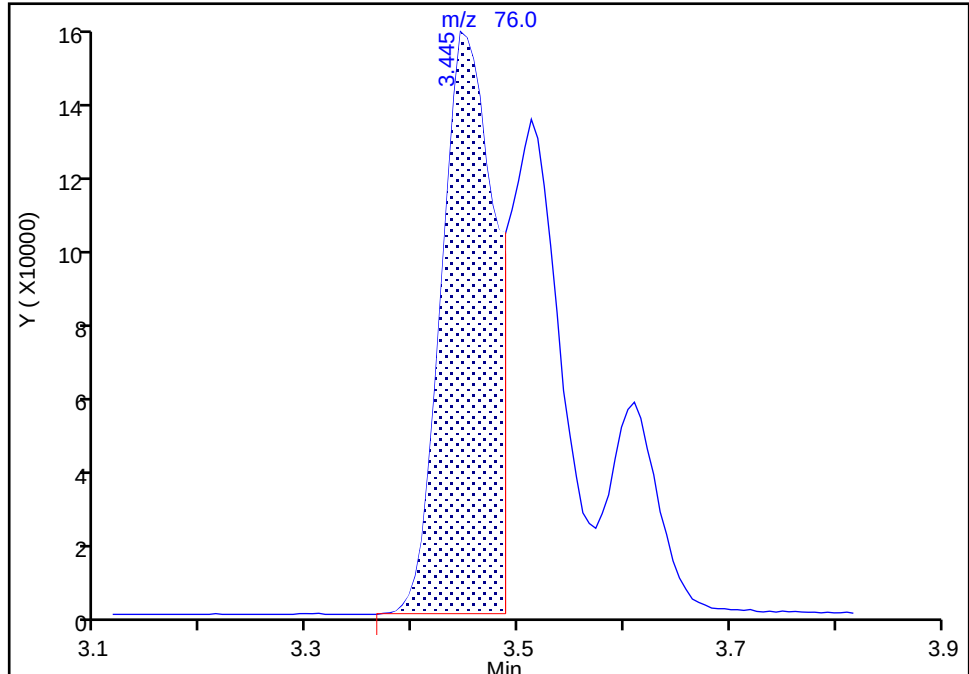
Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X13.D
Injection Date: 08-Jul-2024 15:46:30 Instrument ID: 10193
Lims ID: 410-177855-A-6 MS
Client ID: HD-COD-SW-15-0/1-0 MS
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

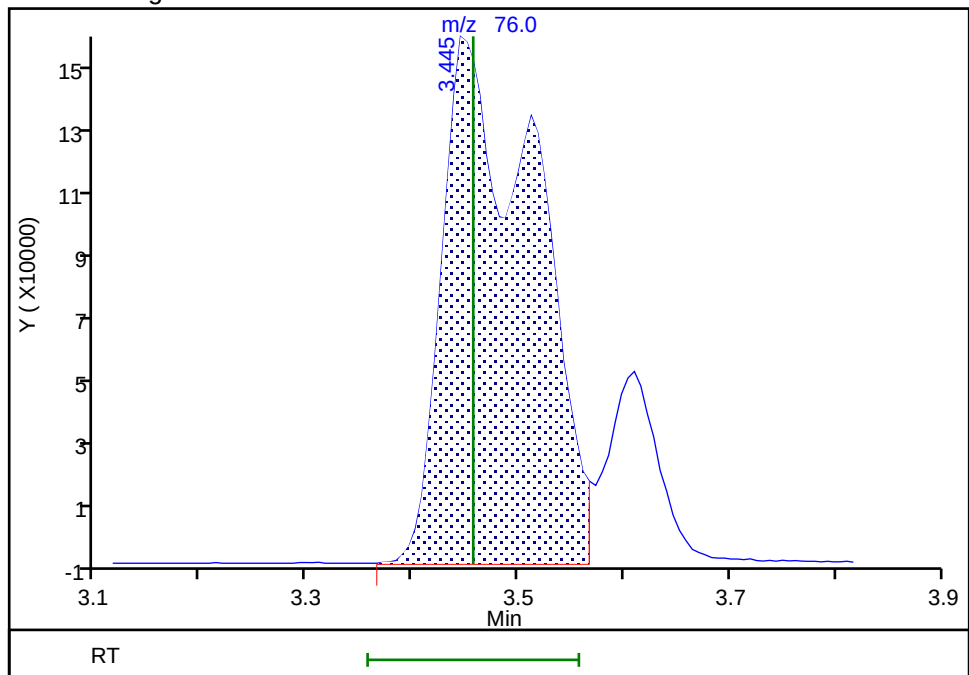
RT: 3.44
Area: 542079
Amount: 3.267370
Amount Units: ug/l

Processing Integration Results



RT: 3.44
Area: 936474
Amount: 5.644578
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 09-Jul-2024 11:39:57 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-177855-1

SDG No.:

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

Lab Sample ID: 410-177855-6 MSD

Matrix: Water

Lab File ID: CL08X14.D

Analysis Method: 8260D

Date Collected: 06/26/2024 10:30

Sample wt/vol: 25 (mL)

Date Analyzed: 07/08/2024 16:09

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 525536

Units: ug/L

Preparation Batch No.:

Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.20		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.56		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.89		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.16		0.50	0.080
75-34-3	1,1-Dichloroethane	5.48		0.50	0.10
75-35-4	1,1-Dichloroethene	5.75		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.08		0.50	0.080
107-06-2	1,2-Dichloroethane	5.32		0.50	0.070
78-87-5	1,2-Dichloropropane	5.28		0.50	0.10
78-93-3	2-Butanone (MEK)	68.4		5.0	1.0
591-78-6	2-Hexanone	68.6		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	69.3		5.0	1.0
67-64-1	Acetone	61.3		5.0	1.5
71-43-2	Benzene	5.27		0.50	0.10
74-97-5	Bromochloromethane	5.37		0.50	0.080
75-27-4	Bromodichloromethane	5.14		0.50	0.080
75-25-2	Bromoform	4.64		1.0	0.30
74-83-9	Bromomethane	4.99		0.50	0.10
75-15-0	Carbon disulfide	5.40		1.0	0.10
56-23-5	Carbon tetrachloride	5.44		0.50	0.10
108-90-7	Chlorobenzene	5.32		0.50	0.070
75-00-3	Chloroethane	5.02		0.50	0.10
67-66-3	Chloroform	5.21		0.50	0.090
74-87-3	Chloromethane	4.91		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	6.01		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.69		0.50	0.10
124-48-1	Dibromochloromethane	5.12		0.50	0.080
100-41-4	Ethylbenzene	5.27		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.69		0.50	0.080
75-09-2	Methylene Chloride	5.09		0.50	0.20
100-42-5	Styrene	5.17		0.50	0.070

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-15-0/1-0 MSD Lab Sample ID: 410-177855-6 MSD
MSD

Matrix: Water Lab File ID: CL08X14.D

Analysis Method: 8260D Date Collected: 06/26/2024 10:30

Sample wt/vol: 25 (mL) Date Analyzed: 07/08/2024 16:09

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 525536 Units: ug/L

Preparation Batch No.: _____ Instrument ID: Agilent GC/MS - HP25

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	9.80		0.50	0.20
108-88-3	Toluene	5.29		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.36		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.82		0.50	0.080
79-01-6	Trichloroethene	6.07		0.50	0.080
75-01-4	Vinyl chloride	4.84		0.50	0.10
1330-20-7	Xylenes, Total	15.6		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)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		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\10193\20240708-118704.b\CL08X14.D
 Lims ID: 410-177855-A-6 MSD
 Client ID: HD-COD-SW-15-0/1-0 MSD
 Sample Type: MSD
 Inject. Date: 08-Jul-2024 16:09:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0118704-015
 Misc. Info.: 410-177855-A-6 MSD
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Jul-2024 11:44:08 Calib Date: 15-Jun-2024 00:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:44:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.799	0.000	99	371672	5.00	4.91	
5 Chloromethane	50	1.982	1.988	-0.006	99	419700	5.00	4.91	
6 Vinyl chloride	62	2.079	2.085	-0.006	98	407165	5.00	4.84	
7 Butadiene	39	2.116	2.116	0.000	90	512825	5.00	5.70	
9 Bromomethane	94	2.402	2.402	0.000	91	295232	5.00	4.99	
10 Chloroethane	64	2.445	2.445	0.000	100	241895	5.00	5.02	
11 Dichlorofluoromethane	67	2.695	2.695	0.000	97	574608	5.00	4.60	
13 Pentane	43	2.732	2.732	0.000	98	471612	5.00	5.64	
12 Trichlorofluoromethane	101	2.738	2.738	0.000	99	497204	5.00	5.08	
14 Ethyl ether	59	2.915	2.914	0.001	92	249793	4.99	5.65	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.018	3.012	0.006	91	374472	5.00	5.20	
17 Acrolein	56	3.073	3.073	0.000	99	189045	37.6	30.3	
18 1,1-Dichloroethene	96	3.195	3.189	0.006	98	299495	5.00	5.75	
20 Acetone	43	3.219	3.213	0.006	100	491323	62.6	61.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.244	3.244	0.000	90	268838	5.00	5.01	
24 Isopropyl alcohol	45	3.354	3.359	-0.005	33	53788	37.5	32.6	
22 Iodomethane	142	3.372	3.366	0.006	97	546250	5.00	5.03	
23 Ethyl bromide	108	3.390	3.390	0.000	98	221602	4.72	4.67	
25 Carbon disulfide	76	3.451	3.457	-0.006	99	913914	5.00	5.40	M
26 Methyl acetate	43	3.579	3.591	-0.012	97	127485	5.00	5.54	
29 3-Chloro-1-propene	41	3.610	3.609	0.001	92	423438	5.00	4.89	
30 Methylene Chloride	84	3.780	3.780	0.000	90	315793	5.00	5.09	
* 31 t-Butyl alcohol-d10 (IS)	65	3.780	3.798	-0.018	37	161662	50.0	50.0	
32 2-Methyl-2-propanol	59	3.896	3.902	-0.006	100	127997	50.0	41.0	
33 Acrylonitrile	53	4.091	4.091	0.000	99	301959	25.0	25.8	
34 Methyl tert-butyl ether	73	4.140	4.140	0.000	87	746893	5.00	4.69	
35 trans-1,2-Dichloroethene	96	4.146	4.146	0.000	99	333578	5.00	5.36	
36 Hexane	57	4.548	4.554	-0.006	92	389760	5.00	4.82	
37 1,1-Dichloroethane	63	4.798	4.798	0.000	96	586053	5.00	5.48	
39 Isopropyl ether	45	4.865	4.865	0.000	93	932185	5.00	4.89	
40 2-Chloro-1,3-butadiene	53	4.908	4.908	0.000	89	449627	5.00	5.07	

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	5.408	5.408	0.000	97	876875	5.00	4.70	
42 2-Butanone (MEK)	43	5.603	5.609	-0.006	99	1006328	62.6	68.4	
43 cis-1,2-Dichloroethene	96	5.640	5.646	-0.006	80	419580	5.00	6.01	
44 2,2-Dichloropropane	77	5.664	5.664	0.000	86	445835	5.00	5.03	
45 Propionitrile	54	5.707	5.707	0.000	98	178102	37.5	44.9	
47 Methacrylonitrile	67	5.920	5.926	-0.006	92	633062	37.5	43.5	
49 Tetrahydrofuran	71	5.975	5.981	-0.006	79	120521	25.0	26.2	
48 Chlorobromomethane	128	5.981	5.981	0.000	89	173333	5.00	5.37	
50 Chloroform	83	6.140	6.139	0.001	93	589924	5.00	5.21	
\$ 54 Dibromofluoromethane (Surr)	113	6.359	6.359	0.000	94	555719	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.365	6.365	0.000	97	525936	5.00	5.56	
55 Cyclohexane	56	6.457	6.463	-0.006	90	516502	5.00	5.13	
56 Carbon tetrachloride	117	6.572	6.572	0.000	96	465496	5.00	5.44	
57 1,1-Dichloropropene	75	6.572	6.578	-0.006	96	448236	5.00	5.30	
58 Isobutyl alcohol	41	6.767	6.767	0.000	94	141684	125.1	126.4	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.816	0.000	99	113727	10.0	10.1	
60 Benzene	78	6.841	6.847	-0.006	97	1340203	5.00	5.27	
61 1,2-Dichloroethane	62	6.920	6.920	0.000	97	344695	5.00	5.32	
64 Tert-amyl methyl ether	73	7.054	7.054	0.000	99	805335	5.00	4.64	
* 65 Fluorobenzene (IS)	96	7.261	7.267	-0.006	98	2278289	10.0	10.0	
66 n-Heptane	43	7.273	7.279	-0.006	95	405363	5.00	4.84	
67 n-Butanol	56	7.676	7.676	0.000	88	219021	250.2	212.5	
68 Trichloroethene	95	7.749	7.749	0.000	96	424648	5.00	6.07	
69 Methylcyclohexane	83	8.060	8.060	0.000	90	564807	5.00	5.04	
70 1,2-Dichloropropane	63	8.090	8.090	0.000	98	343138	5.00	5.28	
71 2-ethoxy-2-methyl butane	87	8.115	8.115	0.000	95	482535	5.00	4.56	
74 1,4-Dioxane	88	8.182	8.188	-0.006	30	33433	125.1	165.3	M
73 Methyl methacrylate	69	8.188	8.194	-0.006	93	158920	5.00	5.21	
72 Dibromomethane	93	8.200	8.200	0.000	94	169776	5.00	5.12	
76 Dichlorobromomethane	83	8.444	8.450	-0.006	99	403104	5.00	5.14	
77 2-Nitropropane	41	8.731	8.736	-0.005	99	36873	5.00	4.49	
78 1-Bromo-2-chloroethane	63	8.840	8.846	-0.006	98	346441	5.00	5.45	
80 cis-1,3-Dichloropropene	75	9.017	9.023	-0.006	97	476719	5.00	4.69	
82 4-Methyl-2-pentanone (MIBK)	43	9.224	9.224	0.000	96	2605367	62.6	69.3	
\$ 83 Toluene-d8 (Surr)	98	9.352	9.352	0.000	93	2305022	10.0	10.2	
84 Toluene	92	9.432	9.438	-0.006	98	888923	5.00	5.29	
85 trans-1,3-Dichloropropene	75	9.718	9.724	-0.006	91	412879	5.00	4.82	
86 Ethyl methacrylate	69	9.797	9.797	0.000	89	339211	5.00	4.62	
87 1,1,2-Trichloroethane	97	9.938	9.937	0.001	90	250870	5.00	5.16	
88 Tetrachloroethene	166	10.017	10.017	0.000	97	818058	5.00	9.80	
89 1,3-Dichloropropane	76	10.108	10.108	0.000	90	419470	5.00	5.19	
106 2-Hexanone	43	10.175	10.175	0.000	95	1875322	62.6	68.6	
108 Chlorodibromomethane	129	10.328	10.328	0.000	89	319568	5.00	5.12	
110 Ethylene Dibromide	107	10.438	10.437	0.001	98	244693	5.00	5.08	
* 111 Chlorobenzene-d5 (IS)	117	10.895	10.895	0.000	83	1769204	10.0	10.0	
112 1-Chlorohexane	91	10.913	10.919	-0.006	97	469938	5.00	4.77	
113 Chlorobenzene	112	10.919	10.925	-0.006	98	1068383	5.00	5.32	
114 1,1,1,2-Tetrachloroethane	131	11.011	11.010	0.001	97	368016	5.00	5.20	
115 Ethylbenzene	91	11.017	11.017	0.000	97	1739066	5.00	5.27	
116 m-Xylene & p-Xylene	106	11.139	11.138	0.001	97	1420799	10.0	10.5	
118 o-Xylene	106	11.480	11.480	0.000	95	682141	5.00	5.12	
119 Styrene	104	11.492	11.498	-0.006	95	1140222	5.00	5.17	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 Bromoform	173	11.651	11.651	0.000	98	186765	5.00	4.64	
121 Isopropylbenzene	105	11.791	11.791	0.000	95	1769326	5.00	5.60	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.937	0.000	96	842371	10.0	9.89	
126 1,1,2,2-Tetrachloroethane	83	12.047	12.053	-0.006	70	296593	5.00	4.89	
125 Bromobenzene	156	12.053	12.053	0.000	86	464997	5.00	5.09	
127 trans-1,4-Dichloro-2-butene	53	12.077	12.077	0.000	91	234786	25.0	16.5	
128 1,2,3-Trichloropropane	110	12.090	12.096	-0.006	82	84812	5.00	5.04	
129 N-Propylbenzene	91	12.126	12.132	-0.006	98	2065289	5.00	5.26	
130 2-Chlorotoluene	126	12.205	12.205	0.000	98	442985	5.00	5.03	
131 1,3,5-Trimethylbenzene	105	12.273	12.272	0.001	94	1491450	5.00	5.08	
132 4-Chlorotoluene	126	12.297	12.303	-0.006	96	461130	5.00	5.02	
133 tert-Butylbenzene	134	12.516	12.522	-0.006	93	359039	5.00	5.09	
134 Pentachloroethane	167	12.547	12.547	0.000	91	270015	5.00	5.11	
135 1,2,4-Trimethylbenzene	105	12.559	12.565	-0.006	96	1532453	5.00	5.06	
136 sec-Butylbenzene	105	12.687	12.687	0.000	93	1954601	5.00	5.16	
137 1,3-Dichlorobenzene	146	12.779	12.784	-0.005	98	914908	5.00	5.07	
138 4-Isopropyltoluene	119	12.797	12.797	0.000	97	1702784	5.00	5.00	
* 139 1,4-Dichlorobenzene-d4	152	12.839	12.839	0.000	92	1038790	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.858	12.858	0.000	96	940809	5.00	5.09	
141 1,2,3-Trimethylbenzene	120	12.870	12.876	-0.006	98	683945	5.00	4.89	
142 Benzyl chloride	126	12.937	12.943	-0.006	98	120342	5.00	4.33	
145 p-Diethylbenzene	119	13.077	13.077	0.000	94	1072883	5.00	5.06	
143 n-Butylbenzene	92	13.096	13.095	0.001	97	819742	5.00	5.02	
144 1,2-Dichlorobenzene	146	13.120	13.120	0.000	99	827572	5.00	5.02	
148 1,2-Dibromo-3-Chloropropane	155	13.675	13.675	0.000	90	43508	5.00	4.33	
149 1,3,5-Trichlorobenzene	180	13.803	13.803	0.000	98	671846	5.00	4.80	
150 1,2,4-Trichlorobenzene	180	14.229	14.229	0.000	94	541622	5.00	4.77	
151 Hexachlorobutadiene	225	14.315	14.321	-0.006	96	287207	5.00	4.90	
152 Naphthalene	128	14.412	14.412	0.000	96	809933	5.00	4.51	
153 1,2,3-Trichlorobenzene	180	14.559	14.559	0.000	96	409308	5.00	4.62	
154 2-Methylnaphthalene	142	15.168	15.174	-0.006	92	269446	5.00	3.39	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_ACROL_00178	Amount Added: 5.38	Units: uL	
MSV_LCS_Penta_00043	Amount Added: 5.38	Units: uL	
MSV_QC_Gas826_00205	Amount Added: 5.38	Units: uL	
MSV_LCS_VOC#1_00175	Amount Added: 5.38	Units: uL	
MSV_LCS_EE_00009	Amount Added: 5.38	Units: uL	
LCS_ETBR_00008	Amount Added: 5.38	Units: uL	
MSV_HP25_ISSS_00092	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 09-Jul-2024 11:44:08

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X14.D

Injection Date: 08-Jul-2024 16:09:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-177855-A-6 MSD

Worklist Smp#: 15

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

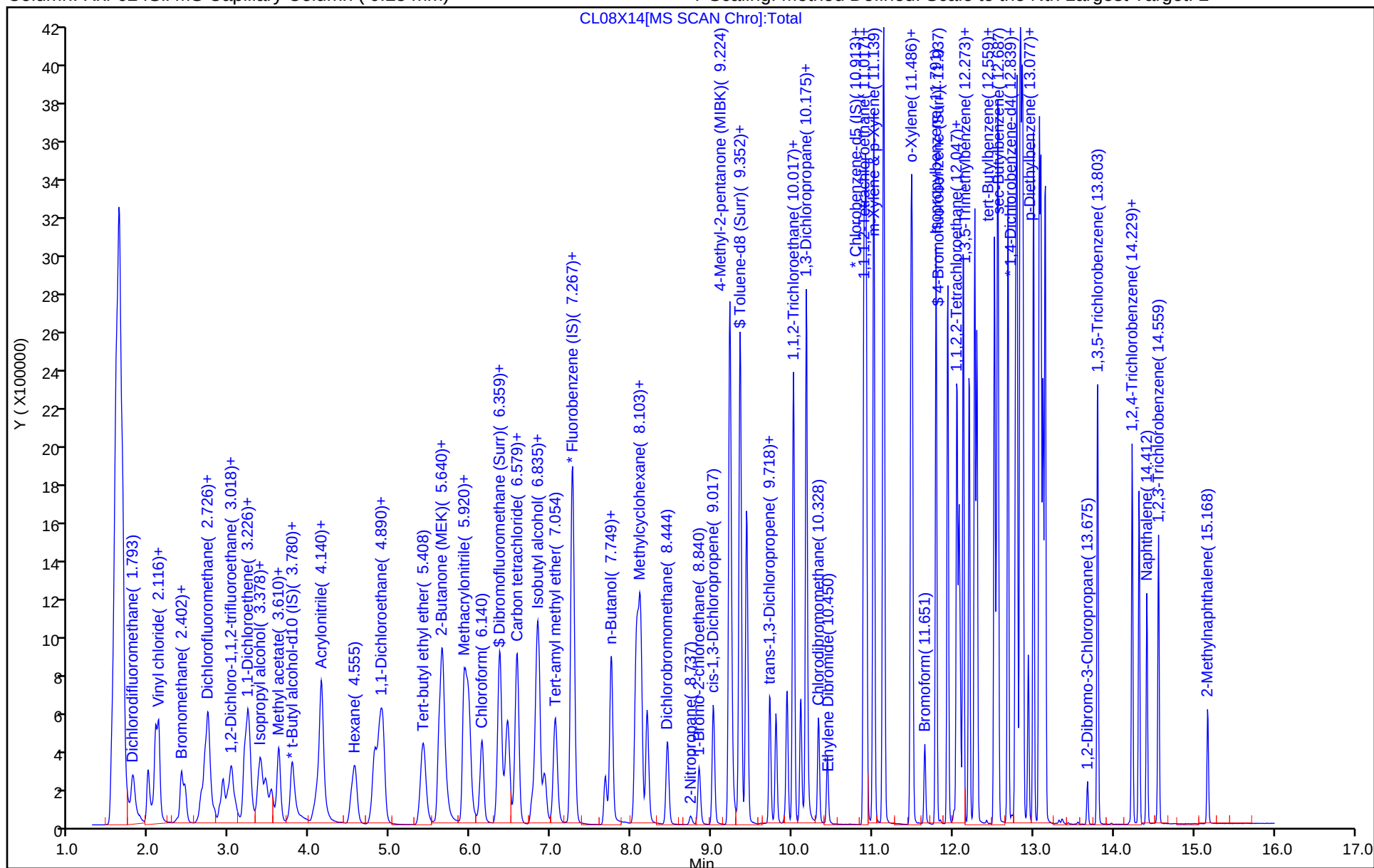
ALS Bottle#: 14

Method: MSV_10193_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\10193\20240708-118704.b\CL08X14.D
Lims ID: 410-177855-A-6 MSD
Client ID: HD-COD-SW-15-0/1-0 MSD
Sample Type: MSD
Inject. Date: 08-Jul-2024 16:09:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0118704-015
Misc. Info.: 410-177855-A-6 MSD
Operator ID: knk41612 Instrument ID: 10193
Method: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Jul-2024 11:44:08 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: FQ4L

Date: 09-Jul-2024 11:44:08

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	10.1	100.72
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.75
\$ 83 Toluene-d8 (Surr)	10.0	10.2	101.68
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.89	98.85

Eurofins Lancaster Laboratories Environment Testing, LLC

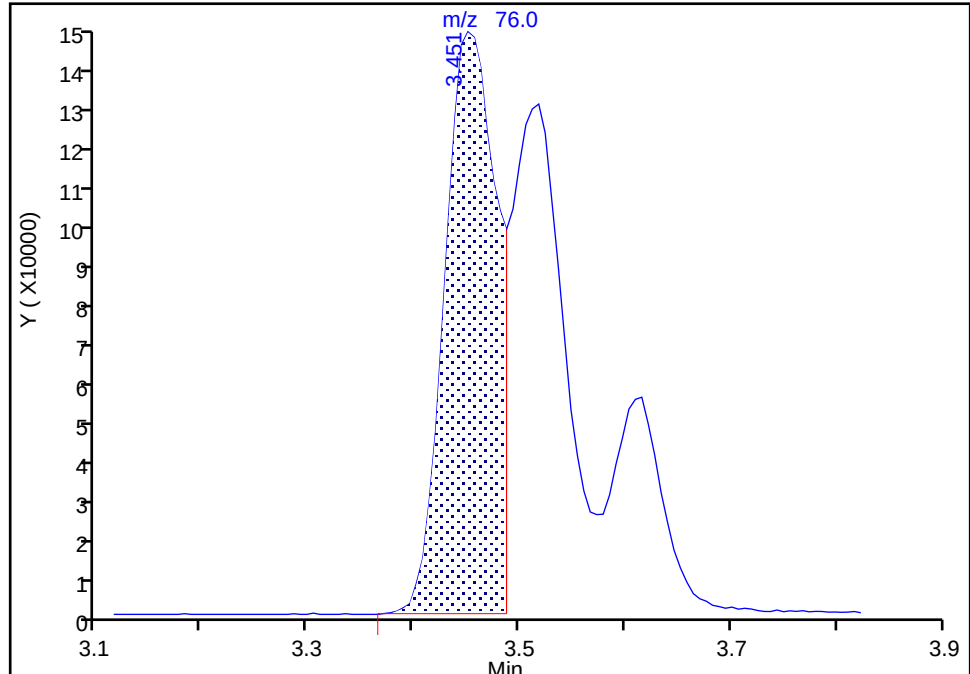
Data File: \\chromfs\Lancaster\ChromData\10193\20240708-118704.b\CL08X14.D
Injection Date: 08-Jul-2024 16:09:30 Instrument ID: 10193
Lims ID: 410-177855-A-6 MSD
Client ID: HD-COD-SW-15-0/1-0 MSD
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

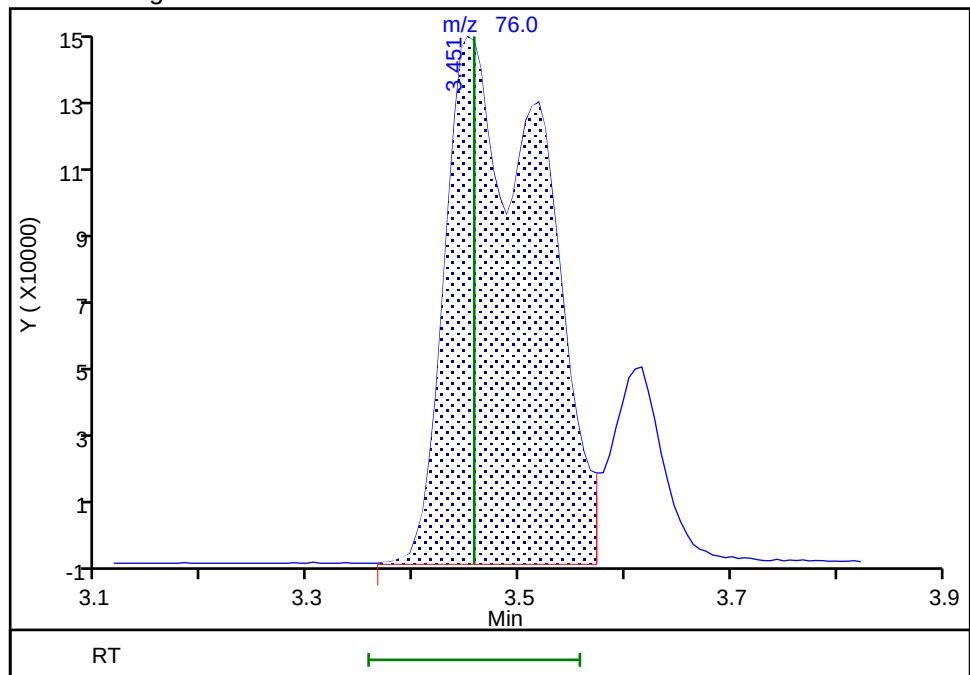
RT: 3.45
Area: 502043
Amount: 2.967347
Amount Units: ug/l

Processing Integration Results



RT: 3.45
Area: 913914
Amount: 5.401728
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 09-Jul-2024 11:42:33 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 10193

Start Date: 06/14/2024 17:48

Analysis Batch Number: 517601

End Date: 06/15/2024 03:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-517601/1		06/14/2024 17:48	1	CU14T01.D	R-624Si1MS 30m 0.25 (mm)
IC 410-517601/3		06/14/2024 18:42	1	CU14X02.D	R-624Si1MS 30m 0.25 (mm)
IC 410-517601/4		06/14/2024 19:05	1	CU14X03.D	R-624Si1MS 30m 0.25 (mm)
IC 410-517601/5		06/14/2024 19:27	1	CU14X04.D	R-624Si1MS 30m 0.25 (mm)
IC 410-517601/6		06/14/2024 19:50	1	CU14X05.D	R-624Si1MS 30m 0.25 (mm)
IC 410-517601/7		06/14/2024 20:13	1	CU14X06.D	R-624Si1MS 30m 0.25 (mm)
IC 410-517601/8		06/14/2024 20:35	1	CU14X07.D	R-624Si1MS 30m 0.25 (mm)
CCV 410-517601/1008		06/14/2024 20:35	1		R-624Si1MS 30m 0.25 (mm)
IC 410-517601/9		06/14/2024 20:58	1	CU14X08.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-517601/11		06/14/2024 21:43	1		R-624Si1MS 30m 0.25 (mm)
IC 410-517601/13		06/14/2024 22:28	1	CU14X12.D	R-624Si1MS 30m 0.25 (mm)
IC 410-517601/14		06/14/2024 22:51	1	CU14X13.D	R-624Si1MS 30m 0.25 (mm)
IC 410-517601/15		06/14/2024 23:14	1	CU14X14.D	R-624Si1MS 30m 0.25 (mm)
IC 410-517601/16		06/14/2024 23:36	1	CU14X15.D	R-624Si1MS 30m 0.25 (mm)
IC 410-517601/17		06/14/2024 23:59	1	CU14X16.D	R-624Si1MS 30m 0.25 (mm)
ICIS 410-517601/18		06/15/2024 00:22	1	CU14X17.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/15/2024 00:22	1		R-624Si1MS 30m 0.25 (mm)
IC 410-517601/19		06/15/2024 00:45	1	CU14X18.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-517601/21		06/15/2024 01:30	1	CU14X20.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/15/2024 02:15	1		R-624Si1MS 30m 0.25 (mm)
LODV 410-517601/24		06/15/2024 02:38	1		R-624Si1MS 30m 0.25 (mm)
LODV 410-517601/25		06/15/2024 03:00	1		R-624Si1MS 30m 0.25 (mm)
LODV 410-517601/26		06/15/2024 03:23	1		R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 16334

Start Date: 06/14/2024 17:47

Analysis Batch Number: 518132

End Date: 06/15/2024 03:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-518132/1		06/14/2024 17:47	1	GU14T01.D	R-624Si1MS 30m 0.25 (mm)
IC 410-518132/3		06/14/2024 18:40	1	GU14X02.D	R-624Si1MS 30m 0.25 (mm)
IC 410-518132/4		06/14/2024 19:02	1	GU14X03.D	R-624Si1MS 30m 0.25 (mm)
IC 410-518132/5		06/14/2024 19:24	1	GU14X04.D	R-624Si1MS 30m 0.25 (mm)
IC 410-518132/6		06/14/2024 19:46	1	GU14X05.D	R-624Si1MS 30m 0.25 (mm)
IC 410-518132/7		06/14/2024 20:09	1	GU14X06.D	R-624Si1MS 30m 0.25 (mm)
IC 410-518132/8		06/14/2024 20:31	1	GU14X07.D	R-624Si1MS 30m 0.25 (mm)
IC 410-518132/9		06/14/2024 20:55	1	GU14X08.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-518132/11		06/14/2024 21:38	1		R-624Si1MS 30m 0.25 (mm)
IC 410-518132/13		06/14/2024 22:22	1	GU14X12.D	R-624Si1MS 30m 0.25 (mm)
IC 410-518132/14		06/14/2024 22:44	1	GU14X13.D	R-624Si1MS 30m 0.25 (mm)
IC 410-518132/15		06/14/2024 23:06	1	GU14X14.D	R-624Si1MS 30m 0.25 (mm)
IC 410-518132/16		06/14/2024 23:28	1	GU14X15.D	R-624Si1MS 30m 0.25 (mm)
IC 410-518132/17		06/14/2024 23:50	1	GU14X16.D	R-624Si1MS 30m 0.25 (mm)
ICIS 410-518132/18		06/15/2024 00:12	1	GU14X17.D	R-624Si1MS 30m 0.25 (mm)
IC 410-518132/19		06/15/2024 00:34	1	GU14X18.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-518132/21		06/15/2024 01:18	1	GU14X20.D	R-624Si1MS 30m 0.25 (mm)
CCV 410-518132/27		06/15/2024 01:18	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/15/2024 02:02	1		R-624Si1MS 30m 0.25 (mm)
LODV 410-518132/24		06/15/2024 02:24	1		R-624Si1MS 30m 0.25 (mm)
LODV 410-518132/25		06/15/2024 02:46	1		R-624Si1MS 30m 0.25 (mm)
LODV 410-518132/26		06/15/2024 03:08	1		R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 10193

Start Date: 07/02/2024 10:21

Analysis Batch Number: 523863

End Date: 07/02/2024 20:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-523863/1		07/02/2024 10:21	1	CL02T01.D	R-624Si1MS 30m 0.25 (mm)
CCVIS 410-523863/3		07/02/2024 11:00	1	CL02X02.D	R-624Si1MS 30m 0.25 (mm)
LCS 410-523863/4		07/02/2024 11:23	1	CL02X03.D	R-624Si1MS 30m 0.25 (mm)
LCSD 410-523863/5		07/02/2024 11:46	1	CL02X04.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 12:09	1		R-624Si1MS 30m 0.25 (mm)
MB 410-523863/7		07/02/2024 12:31	1	CL02X06.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 12:54	1		R-624Si1MS 30m 0.25 (mm)
410-177855-14	HD-QC1-0/1-2	07/02/2024 13:17	1	CL02X08.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 13:42	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 14:05	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 14:27	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 14:50	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 15:13	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 15:35	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 15:58	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 16:21	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 16:44	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 17:06	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 17:29	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 17:52	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 18:14	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 18:37	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 19:00	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 19:23	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 19:49	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 20:12	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 20:35	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2024 20:57	100		R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 10193

Start Date: 07/08/2024 10:51

Analysis Batch Number: 525536

End Date: 07/08/2024 21:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-525536/1		07/08/2024 10:51	1	CL08T01.D	R-624Si1MS 30m 0.25 (mm)
CCVIS 410-525536/3		07/08/2024 11:39	1	CL08X02.D	R-624Si1MS 30m 0.25 (mm)
LCS 410-525536/4		07/08/2024 12:01	1	CL08X03.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/08/2024 12:24	1		R-624Si1MS 30m 0.25 (mm)
MB 410-525536/6		07/08/2024 12:46	1	CL08X05.D	R-624Si1MS 30m 0.25 (mm)
410-177855-1	HD-COD-SW-6-0/1-0	07/08/2024 13:31	1	CL08X07.D	R-624Si1MS 30m 0.25 (mm)
410-177855-2	HD-COD-SW-7-0/1-0	07/08/2024 13:54	1	CL08X08.D	R-624Si1MS 30m 0.25 (mm)
410-177855-3	HD-COD-SW-8-0/1-0	07/08/2024 14:17	1	CL08X09.D	R-624Si1MS 30m 0.25 (mm)
410-177855-4	HD-COD-SW-9-0/1-0	07/08/2024 14:39	1	CL08X10.D	R-624Si1MS 30m 0.25 (mm)
410-177855-5	HD-COD-SW-13-0/1-0	07/08/2024 15:02	1	CL08X11.D	R-624Si1MS 30m 0.25 (mm)
410-177855-6	HD-COD-SW-15-0/1-0	07/08/2024 15:24	1	CL08X12.D	R-624Si1MS 30m 0.25 (mm)
410-177855-6 MS	HD-COD-SW-15-0/1-0 MS MS	07/08/2024 15:46	1	CL08X13.D	R-624Si1MS 30m 0.25 (mm)
410-177855-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	07/08/2024 16:09	1	CL08X14.D	R-624Si1MS 30m 0.25 (mm)
410-177855-7	HD-COD-SW-16-0/1-0	07/08/2024 16:32	1	CL08X15.D	R-624Si1MS 30m 0.25 (mm)
410-177855-8	HD-COD-SW-17-0/1-0	07/08/2024 16:54	1	CL08X16.D	R-624Si1MS 30m 0.25 (mm)
410-177855-9	HD-COD-SW-26-0/1-0	07/08/2024 17:17	1	CL08X17.D	R-624Si1MS 30m 0.25 (mm)
410-177855-10	HD-COD-SW-27-0/1-0	07/08/2024 17:40	1	CL08X18.D	R-624Si1MS 30m 0.25 (mm)
410-177855-11	HD-COD-SW-28-0/1-0	07/08/2024 18:03	1	CL08X19.D	R-624Si1MS 30m 0.25 (mm)
410-177855-12	HD-COD-SW-29-0/1-0	07/08/2024 18:25	1	CL08X20.D	R-624Si1MS 30m 0.25 (mm)
410-177855-13	HD-QC1-0/1-1	07/08/2024 18:48	1	CL08X21.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/08/2024 19:11	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/08/2024 19:33	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/08/2024 19:56	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/08/2024 20:19	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/08/2024 20:42	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/08/2024 21:04	1		R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-177855-1

SDG No.:

Instrument ID: 16334

Start Date: 07/09/2024 20:30

Analysis Batch Number: 526240

End Date: 07/10/2024 02:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-526240/1		07/09/2024 20:30	1	GL09T31.D	R-624SiIMS 30m 0.25 (mm)
CCVIS 410-526240/3		07/09/2024 21:06	1	GL09X32.D	R-624SiIMS 30m 0.25 (mm)
LCS 410-526240/4		07/09/2024 21:28	1	GL09X33.D	R-624SiIMS 30m 0.25 (mm)
ZZZZZ		07/09/2024 21:50	1		R-624SiIMS 30m 0.25 (mm)
MB 410-526240/6		07/09/2024 22:12	1	GL09X35.D	R-624SiIMS 30m 0.25 (mm)
ZZZZZ		07/09/2024 23:41	1		R-624SiIMS 30m 0.25 (mm)
410-177855-8 DL	HD-COD-SW-17-0/1-0 DL	07/10/2024 00:03	10	GL09X40.D	R-624SiIMS 30m 0.25 (mm)
410-177855-13 DL	HD-QC1-0/1-1 DL	07/10/2024 00:25	10	GL09X41.D	R-624SiIMS 30m 0.25 (mm)
ZZZZZ		07/10/2024 01:53	1		R-624SiIMS 30m 0.25 (mm)
ZZZZZ		07/10/2024 02:16	1		R-624SiIMS 30m 0.25 (mm)
ZZZZZ		07/10/2024 02:38	1		R-624SiIMS 30m 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1

SDG No.: _____

Batch Number: 517601 Batch Start Date: 06/14/24 17:48 Batch Analyst: Campbell, Miranda EBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00008	MSV_CCV_CYC 00008	MSV_CCV_V5ACE 00037
BFB 410-517601/1		8260D			1 uL	1 uL				
IC 410-517601/3		8260D			25 mL	25 mL	2750		1.6 uL	0.2 uL
IC 410-517601/4		8260D			25 mL	25 mL	2750		4 uL	0.5 uL
IC 410-517601/5		8260D			25 mL	25 mL	2750		8 uL	1 uL
IC 410-517601/6		8260D			25 mL	25 mL	2750		8 uL	1 uL
IC 410-517601/7		8260D			25 mL	25 mL	2750		8 uL	1 uL
IC 410-517601/8		8260D			25 mL	25 mL	2750		8 uL	1 uL
IC 410-517601/9		8260D			25 mL	25 mL	2750		20 uL	2.5 uL
IC 410-517601/13		8260D			25 mL	25 mL	2750			
IC 410-517601/14		8260D			25 mL	25 mL	2750			
IC 410-517601/15		8260D			25 mL	25 mL	2750			
IC 410-517601/16		8260D			25 mL	25 mL	2750			
IC 410-517601/17		8260D			25 mL	25 mL	2750			
ICIS 410-517601/18		8260D			25 mL	25 mL	2750			
IC 410-517601/19		8260D			25 mL	25 mL	2750			
ICV 410-517601/21		8260D			25 mL	25 mL	2750	12.5 uL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00055	MSV_HP25_ISO 00010	MSV_HP25_ISSS 00090	MSV_LCS_ACROL 00174	MSV_LCS_EE 00009	MSV_LCS_Penta 00043
BFB 410-517601/1		8260D								
IC 410-517601/3		8260D			0.2 uL	1 uL				
IC 410-517601/4		8260D			0.5 uL	1 uL				
IC 410-517601/5		8260D			1 uL	1 uL				
IC 410-517601/6		8260D			1 uL	1 uL				
IC 410-517601/7		8260D			1 uL	1 uL				
IC 410-517601/8		8260D			1 uL	1 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1

SDG No.: _____

Batch Number: 517601 Batch Start Date: 06/14/24 17:48 Batch Analyst: Campbell, Miranda EBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME_00055	MSV_HP25_ISO_00010	MSV_HP25_ISSS_00090	MSV_LCS_ACROL_00174	MSV_LCS_EE_00009	MSV_LCS_Penta_00043
IC 410-517601/9		8260D			2.5 uL	1 uL				
IC 410-517601/13		8260D					1 uL			
IC 410-517601/14		8260D					1 uL			
IC 410-517601/15		8260D					1 uL			
IC 410-517601/16		8260D					1 uL			
IC 410-517601/17		8260D					1 uL			
ICIS 410-517601/18		8260D					1 uL			
IC 410-517601/19		8260D					1 uL			
ICV 410-517601/21		8260D					1 uL	12.5 uL	12.5 uL	12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1_00171	MSV_LL_#1_826_00133	MSV_LL_#2_826_00140	MSV_LL_GAS826_00214	MSV_QC_Gas826_00201	MSV_V_BFB_00017
BFB 410-517601/1		8260D								1 uL
IC 410-517601/3		8260D								
IC 410-517601/4		8260D								
IC 410-517601/5		8260D								
IC 410-517601/6		8260D								
IC 410-517601/7		8260D								
IC 410-517601/8		8260D								
IC 410-517601/9		8260D								
IC 410-517601/13		8260D				2 uL	2 uL	2 uL		
IC 410-517601/14		8260D				2 uL	2 uL	2 uL		
IC 410-517601/15		8260D				2 uL	2 uL	2 uL		
IC 410-517601/16		8260D				2 uL	2 uL	2 uL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1

SDG No.: _____

Batch Number: 517601 Batch Start Date: 06/14/24 17:48 Batch Analyst: Campbell, Miranda EBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00171	MSV_LL_#1_826 00133	MSV_LL_#2_826 00140	MSV_LL_GAS826 00214	MSV_QC_Gas826 00201	MSV_V_BFB 00017
IC 410-517601/17		8260D				5 uL	5 uL	5 uL		
ICIS 410-517601/18		8260D				10 uL	10 uL	10 uL		
IC 410-517601/19		8260D				25 uL	25 uL	25 uL		
ICV 410-517601/21		8260D			12.5 uL				12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_SMRV4 00071					
BFB 410-517601/1		8260D								
IC 410-517601/3		8260D			1 uL					
IC 410-517601/4		8260D			2.5 uL					
IC 410-517601/5		8260D			5 uL					
IC 410-517601/6		8260D			5 uL					
IC 410-517601/7		8260D			5 uL					
IC 410-517601/8		8260D			5 uL					
IC 410-517601/9		8260D			12.5 uL					
IC 410-517601/13		8260D								
IC 410-517601/14		8260D								
IC 410-517601/15		8260D								
IC 410-517601/16		8260D								
IC 410-517601/17		8260D								
ICIS 410-517601/18		8260D								
IC 410-517601/19		8260D								
ICV 410-517601/21		8260D								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1

SDG No.: _____

Batch Number: 517601 Batch Start Date: 06/14/24 17:48 Batch Analyst: Campbell, Miranda EBatch 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.: 410-177855-1

SDG No.: _____

Batch Number: 518132 Batch Start Date: 06/14/24 17:47 Batch Analyst: Campbell, Miranda EBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00008	MSV_CCV_CYC 00008	MSV_CCV_V5ACE 00037
BFB 410-518132/1		8260D			1 uL	1 uL				
IC 410-518132/3		8260D			25 mL	25 mL	2750		1.6 uL	0.2 uL
IC 410-518132/4		8260D			25 mL	25 mL	2750		4 uL	0.5 uL
IC 410-518132/5		8260D			25 mL	25 mL	2750		8 uL	1 uL
IC 410-518132/6		8260D			25 mL	25 mL	2750		8 uL	1 uL
IC 410-518132/7		8260D			25 mL	25 mL	2750		8 uL	1 uL
IC 410-518132/8		8260D			25 mL	25 mL	2750		8 uL	1 uL
IC 410-518132/9		8260D			25 mL	25 mL	2750		20 uL	2.5 uL
IC 410-518132/13		8260D			25 mL	25 mL	2750			
IC 410-518132/14		8260D			25 mL	25 mL	2750			
IC 410-518132/15		8260D			25 mL	25 mL	2750			
IC 410-518132/16		8260D			25 mL	25 mL	2750			
IC 410-518132/17		8260D			25 mL	25 mL	2750			
ICIS 410-518132/18		8260D			25 mL	25 mL	2750			
IC 410-518132/19		8260D			25 mL	25 mL	2750			
ICV 410-518132/21		8260D			25 mL	25 mL	2750	12.5 uL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00055	MSV_HP25_ISO 00009	MSV_HP25_ISSS 00084	MSV_LCS_ACROL 00174	MSV_LCS_EE 00009	MSV_LCS_Penta 00043
BFB 410-518132/1		8260D								
IC 410-518132/3		8260D			0.2 uL	1 uL				
IC 410-518132/4		8260D			0.5 uL	1 uL				
IC 410-518132/5		8260D			1 uL	1 uL				
IC 410-518132/6		8260D			1 uL	1 uL				
IC 410-518132/7		8260D			1 uL	1 uL				
IC 410-518132/8		8260D			1 uL	1 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1

SDG No.: _____

Batch Number: 518132 Batch Start Date: 06/14/24 17:47 Batch Analyst: Campbell, Miranda EBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00055	MSV_HP25_ISO 00009	MSV_HP25_ISSS 00084	MSV_LCS_ACROL 00174	MSV_LCS_EE 00009	MSV_LCS_Penta 00043
IC 410-518132/9		8260D			2.5 uL	1 uL				
IC 410-518132/13		8260D					1 uL			
IC 410-518132/14		8260D					1 uL			
IC 410-518132/15		8260D					1 uL			
IC 410-518132/16		8260D					1 uL			
IC 410-518132/17		8260D					1 uL			
ICIS 410-518132/18		8260D					1 uL			
IC 410-518132/19		8260D					1 uL			
ICV 410-518132/21		8260D					1 uL	12.5 uL	12.5 uL	12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00171	MSV_LL_#1_826 00133	MSV_LL_#2_826 00140	MSV_LL_GAS826 00214	MSV_QC_Gas826 00201	MSV_V_BFB 00017
BFB 410-518132/1		8260D								1 uL
IC 410-518132/3		8260D								
IC 410-518132/4		8260D								
IC 410-518132/5		8260D								
IC 410-518132/6		8260D								
IC 410-518132/7		8260D								
IC 410-518132/8		8260D								
IC 410-518132/9		8260D								
IC 410-518132/13		8260D				2 uL	2 uL	2 uL		
IC 410-518132/14		8260D				2 uL	2 uL	2 uL		
IC 410-518132/15		8260D				2 uL	2 uL	2 uL		
IC 410-518132/16		8260D				2 uL	2 uL	2 uL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

Page 2 of 4

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1

SDG No.: _____

Batch Number: 518132 Batch Start Date: 06/14/24 17:47 Batch Analyst: Campbell, Miranda EBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00171	MSV_LL_#1_826 00133	MSV_LL_#2_826 00140	MSV_LL_GAS826 00214	MSV_QC_Gas826 00201	MSV_V_BFB 00017
IC 410-518132/17		8260D				5 uL	5 uL	5 uL		
ICIS 410-518132/18		8260D				10 uL	10 uL	10 uL		
IC 410-518132/19		8260D				25 uL	25 uL	25 uL		
ICV 410-518132/21		8260D			12.5 uL				12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_SMRV4 00071					
BFB 410-518132/1		8260D								
IC 410-518132/3		8260D			1 uL					
IC 410-518132/4		8260D			2.5 uL					
IC 410-518132/5		8260D			5 uL					
IC 410-518132/6		8260D			5 uL					
IC 410-518132/7		8260D			5 uL					
IC 410-518132/8		8260D			5 uL					
IC 410-518132/9		8260D			12.5 uL					
IC 410-518132/13		8260D								
IC 410-518132/14		8260D								
IC 410-518132/15		8260D								
IC 410-518132/16		8260D								
IC 410-518132/17		8260D								
ICIS 410-518132/18		8260D								
IC 410-518132/19		8260D								
ICV 410-518132/21		8260D								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1

SDG No.: _____

Batch Number: 518132 Batch Start Date: 06/14/24 17:47 Batch Analyst: Campbell, Miranda EBatch 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.: 410-177855-1

SDG No.: _____

Batch Number: 523863 Batch Start Date: 07/02/24 10:21 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCh eck	Headspace	Lot#Vial
BFB 410-523863/1		8260D			1 uL	1 uL				
CCVIS 410-523863/3		8260D			25 mL	25 mL				2750
LCS 410-523863/4		8260D			25 mL	25 mL				2750
LCSD 410-523863/5		8260D			25 mL	25 mL				2750
MB 410-523863/7		8260D			25 mL	25 mL				2750
410-177855-A-14	HD-QC1-0/1-2	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	LCS_ETBR 00008	MSV_HP25_ISSS 00091	MSV_LCS ACROL 00177	MSV_LCS EE 00009	MSV_LCS Penta 00043	MSV_LCS VOC#1 00174
BFB 410-523863/1		8260D								
CCVIS 410-523863/3		8260D				1 uL				
LCS 410-523863/4		8260D			12.5 uL	1 uL	12.5 uL	12.5 uL	12.5 uL	12.5 uL
LCSD 410-523863/5		8260D			12.5 uL	1 uL	12.5 uL	12.5 uL	12.5 uL	12.5 uL
MB 410-523863/7		8260D				1 uL				
410-177855-A-14	HD-QC1-0/1-2	8260D	Water	T		1 uL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#1_826 00135	MSV_LL_#2_826 00143	MSV_LL_GAS826 00217	MSV_QC_Gas826 00204	MSV_V_BFB 00017	
BFB 410-523863/1		8260D							1 uL	
CCVIS 410-523863/3		8260D			25 uL	25 uL	25 uL			
LCS 410-523863/4		8260D						12.5 uL		
LCSD 410-523863/5		8260D						12.5 uL		
MB 410-523863/7		8260D								
410-177855-A-14	HD-QC1-0/1-2	8260D	Water	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1

SDG No.: _____

Batch Number: 523863 Batch Start Date: 07/02/24 10:21 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: _____

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1

SDG No.: _____

Batch Number: 525536 Batch Start Date: 07/08/24 10:51 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCh eck	Headspace	Lot#Vial
BFB 410-525536/1		8260D			1 uL	1 uL				
CCVIS 410-525536/3		8260D			25 mL	25 mL				2750
LCS 410-525536/4		8260D			25 mL	25 mL				2750
MB 410-525536/6		8260D			25 mL	25 mL				2750
410-177855-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-177855-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-177855-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-177855-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-177855-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-177855-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-177855-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-177855-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-177855-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-177855-A-8	HD-COD-SW-17-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-177855-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-177855-A-10	HD-COD-SW-27-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-177855-A-11	HD-COD-SW-28-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-177855-A-12	HD-COD-SW-29-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-177855-A-13	HD-QC1-0/1-1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	LCS_ETBR 00008	MSV_HP25_ISSS 00092	MSV_LCS_ACROL 00178	MSV_LCS_EE 00009	MSV_LCS_Penta 00043	MSV_LCS_VOC#1 00175
BFB 410-525536/1		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.

8260D

Page 1 of 3

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1

SDG No.: _____

Batch Number: 525536 Batch Start Date: 07/08/24 10:51 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	LCS_ETBR 00008	MSV_HP25_ISSS 00092	MSV_LCS_ACROL 00178	MSV_LCS_EE 00009	MSV_LCS_Penta 00043	MSV_LCS_VOC#1 00175
CCVIS 410-525536/3		8260D				1 uL				
LCS 410-525536/4		8260D			12.5 uL	1 uL	12.5 uL	12.5 uL	12.5 uL	12.5 uL
MB 410-525536/6		8260D				1 uL				
410-177855-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T		1 uL				
410-177855-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T		1 uL				
410-177855-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T		1 uL				
410-177855-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T		1 uL				
410-177855-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T		1 uL				
410-177855-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T		1 uL				
410-177855-A-6	HD-COD-SW-15-0/1-0 MS	8260D	Water	T	5.38 uL	1 uL	5.38 uL	5.38 uL	5.38 uL	5.38 uL
410-177855-A-6	HD-COD-SW-15-0/1-0 MSD	8260D	Water	T	5.38 uL	1 uL	5.38 uL	5.38 uL	5.38 uL	5.38 uL
410-177855-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T		1 uL				
410-177855-A-8	HD-COD-SW-17-0/1-0	8260D	Water	T		1 uL				
410-177855-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T		1 uL				
410-177855-A-10	HD-COD-SW-27-0/1-0	8260D	Water	T		1 uL				
410-177855-A-11	HD-COD-SW-28-0/1-0	8260D	Water	T		1 uL				
410-177855-A-12	HD-COD-SW-29-0/1-0	8260D	Water	T		1 uL				
410-177855-A-13	HD-QC1-0/1-1	8260D	Water	T		1 uL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL #1_826 00135	MSV_LL #2_826 00143	MSV_LL GAS826 00218	MSV_QC Gas826 00205	MSV_V BFB 00017	
BFB 410-525536/1		8260D							1 uL	
CCVIS 410-525536/3		8260D			20 uL	20 uL	20 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.

8260D

Page 2 of 3

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1

SDG No.: _____

Batch Number: 525536 Batch Start Date: 07/08/24 10:51 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#1_826 00135	MSV_LL_#2_826 00143	MSV_LL_GAS826 00218	MSV_QC_Gas826 00205	MSV_V_BFB 00017	
LCS 410-525536/4		8260D						12.5 uL		
MB 410-525536/6		8260D								
410-177855-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T						
410-177855-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T						
410-177855-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T						
410-177855-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T						
410-177855-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T						
410-177855-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T						
410-177855-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	Water	T				5.38 uL		
410-177855-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	Water	T				5.38 uL		
410-177855-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T						
410-177855-A-8	HD-COD-SW-17-0/1-0	8260D	Water	T						
410-177855-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T						
410-177855-A-10	HD-COD-SW-27-0/1-0	8260D	Water	T						
410-177855-A-11	HD-COD-SW-28-0/1-0	8260D	Water	T						
410-177855-A-12	HD-COD-SW-29-0/1-0	8260D	Water	T						
410-177855-A-13	HD-QC1-0/1-1	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

Page 3 of 3

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1

SDG No.: _____

Batch Number: 526240 Batch Start Date: 07/09/24 20:30 Batch Analyst: Walmer, GavinBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCh eck	Headspace	Lot#Vial
BFB 410-526240/1		8260D			1 uL	1 uL				
CCVIS 410-526240/3		8260D			25 mL	25 mL				2750
LCS 410-526240/4		8260D			25 mL	25 mL				2750
MB 410-526240/6		8260D			25 mL	25 mL				2750
410-177855-B-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	2750
410-177855-B-13	HD-QC1-0/1-1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	2750

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_HP25 ISSS 00092	MSV_LCS VOC#1 00175	MSV_LL #1_826 00135	MSV_LL #2_826 00143	MSV_LL GAS826 00218	MSV_QC Gas826 00205
BFB 410-526240/1		8260D								
CCVIS 410-526240/3		8260D			1 uL		20 uL	20 uL	20 uL	
LCS 410-526240/4		8260D			1 uL	12.5 uL				12.5 uL
MB 410-526240/6		8260D			1 uL					
410-177855-B-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T	1 uL					
410-177855-B-13	HD-QC1-0/1-1	8260D	Water	T	1 uL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00017					
BFB 410-526240/1		8260D			1 uL					
CCVIS 410-526240/3		8260D								
LCS 410-526240/4		8260D								
MB 410-526240/6		8260D								
410-177855-B-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T						
410-177855-B-13	HD-QC1-0/1-1	8260D	Water	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

Page 1 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-177855-1

SDG No.: _____

Batch Number: 526240 Batch Start Date: 07/09/24 20:30 Batch Analyst: Walmer, GavinBatch 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

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410-177855 Chain of Custody

name

Chain of Custody Record

370472
HARRISBURG

Environment Testing

CI		Sampler: <u>C. Littlefield/L. Grimm</u>		Lab PM: <u>Gallagher, Kelly</u>		Carrier Tracking No(s): <u>NA</u>		COC No: <u>410-124621-34443 3</u>					
Client Contact: <u>Casey Littlefield</u>		Phone: <u>(717) 395-3150</u>		E-Mail: <u>kelly.gallagher@et.eurofinsus.com</u>		State of Origin: <u>PA</u>		Page: <u>3 of 2</u> 1 of 2					
Company: <u>Groundwater Sciences Corporation</u>		PWSID:		Analysis Requested						Job #:			
Address: <u>2550 Interstate Drive Suite 303</u>		Due Date Requested:		Field Filtered Sample (Yes or No) ☒ Perform MS/MSD (Yes or No) ☒ 8260D - LL - QAPP List LL, updated 12/01/2020 (ml) ☒ 8260D - QAPP List SL, updated 12/01/2020 (ml) ☒ Aqueous VOCs via 8260b (10w) ☒ 12661 - 25 ml purge ☒ Total Number of containers: <u>3</u>						Preservation Codes: <u>A - HCL</u>			
City: <u>Harrisburg</u>		TAT Requested (days): <u>STANDARD</u>								Other:			
State, Zip: <u>PA, 17110</u>		Compliance Project: ☐ Yes ☒ No											
Phone: <u>(717) 901-8176 / (717) 756-1246</u>		PO #: <u>Purchase Order not required 10012.52</u>											
Email: <u>clittlefield@groundwatersciences.com</u>		WO #:											
Project Name: <u>YNOP - Monthly SW sampling</u>		Project #: <u>41001716</u>											
Site: <u>FyNOP</u>		SSOW#:											
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)		Preservation Code:		Special Instructions/Note:	
HD-COD-SW-6-0/1-0		6/26/24		0849		G		Water		N N		3 All samples preserved on ice	
HD-COD-SW-7-0/1-0				1005		G		Water		N N		3	
HD-COD-SW-8-0/1-0				0728		G		Water		N N		3	
HD-COD-SW-9-0/1-0				1125		G		Water		N N		3	
HD-COD-SW-13-0/1-0				0745		G		Water		N N		3	
HD-COD-SW-15-0/1-0				1030		G		Water		N Y		3	
HD-COD-SW-15-0/1-0 MS				1030		G		water		N Y		3	
HD-COD-SW-15-0/1-0 MSD				1030		G		water		N Y		3	
HD-COD-SW-16-0/1-0				0808		G		water		N N		3	
HD-COD-SW-17-0/1-0				0820		G		water		N N		3	
HD-COD-SW-20-0/1-0				0935		G		water		N N		3	
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological										☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested: <u>1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</u>										Special Instructions/QC Requirements:			
Empty Kit Relinquished by: _____ Date: _____										Time: _____ Method of Shipment: _____			
Relinquished by: <u>[Signature]</u>		Date/Time: <u>6/26/24 1233</u>		Company: <u>GSC</u>		Received by: <u>[Signature]</u>		Date/Time: <u>6/26/24 1233</u>		Company: <u>ETA</u>			
Relinquished by: <u>[Signature]</u>		Date/Time: <u>6/27/24 1346</u>		Company: <u>ETA</u>		Received by: <u>[Signature]</u>		Date/Time: <u>6/27/24 1346</u>		Company: <u>ELLE</u>			
Relinquished by: <u>[Signature]</u>		Date/Time: <u>6/27/24 1453</u>		Company: <u>ELLE</u>		Received by: <u>[Signature]</u>		Date/Time: <u>6/27/24 1453</u>		Company: <u>ELLE</u>			
Custody Seals Intact: ☒ Yes ☐ No										Custody Seal No.: _____		Cooler Temperature(s) °C and Other Remarks: <u>12.1.9 C1.8</u>	

Chain of Custody Record

370472
HARRISBURG PA

Eurofins

Environment Testing

Client Information		Sampler: C. Littlefield / C. Grumm		Lab PM: Gallagher, Kelly		Carrier Tracking No(s): NA		COC No: 410-124621-34443.1															
Client Contact: Casey Littlefield		Phone: (717) 395-3150		E-Mail: kelly.gallagher@et.eurofinsus.com		State of Origin: PA		Page: 1 of 2															
Company: Groundwater Sciences Corporation		PWSID:		Analysis Requested						Job #:													
Address: 2550 Interstate Drive Suite 303		Due Date Requested:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8260D_LL - QAPP List LL, updated 12012020 (ml) 8260D - QAPP List SL, updated 12012020 (ml) Aqueous VOCs via 8260D (low level purity - 25 ml)						Preservation Codes: A - HCL													
City: Harrisburg		TAT Requested (days): STANDARD								Other:													
State, Zip: PA, 17110		Compliance Project: ☐ Yes ☒ No																					
Phone: (717) 901-3176 / (717) 756-1246		PO #: Purchase Order not required 10012.52																					
Email: clittlefield@groundwatersciences.com		WO #:		Total Number of containers						Special Instructions/Note:													
Project Name: MNOP - Monthly SW Sampling		Project #: 41001716																					
Site: FyNOP		SSOW#:																					
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		8260D_LL - QAPP List LL, updated 12012020 (ml)		8260D - QAPP List SL, updated 12012020 (ml)		Aqueous VOCs via 8260D (low level purity - 25 ml)		Total Number of containers		Special Instructions/Note:	
HD-COD-SW-27-0/1-0		6/26/24		1020		G		Water		N		N		A		A		X		3		All samples	
HD-COD-SW-28-0/1-0		6/26/24		1137		G		Water		N		N		A		A		X		3		preserved on ice	
HD-COD-SW-29-0/1-0		6/26/24		0715		G		Water		N		N		A		A		X		3			
~~HD-COD-SW-30-0/1-0~~		~~6/26/24~~		~~0900~~		~~G~~		~~Water~~		~~N~~		~~N~~		~~A~~		~~A~~		~~X~~		~~3~~			
HD-QCI-0/1-1		6/26/24		0900		G		Water		N		N		A		A		X		3			
HD-QCI-0/1-2		6/26/24		-		G		Water		N		N		A		A		X		2		TRIP BLANK for all samples	
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Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-177855-1

Login Number: 177855

List Number: 1

Creator: Santiago, Nathaniel

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(<=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (<=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	